

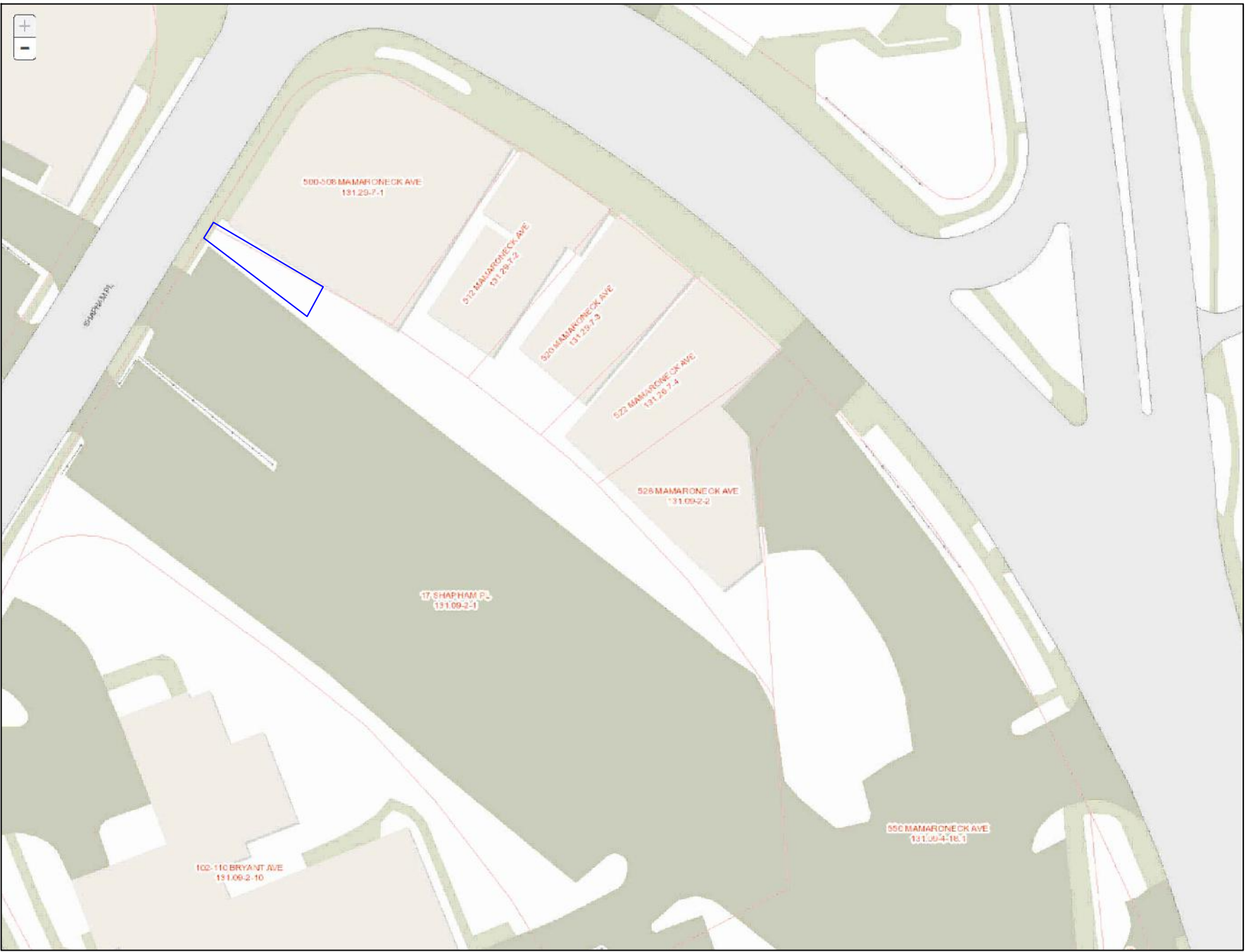
SUMMARY:

PROPERTY:
DUNNE'S PUB IS 15 SHAPHAM PLACE, WHITE PLAINS, NY.
500-508 MAMARONECK AVENUE IS 131.29-7-1 (PER WESTCHESTER COUNTY GIS)
CITY PROPERTY IS 17 SHAPHAM PLACE; 131.09-2-1 (PER WESTCHESTER COUNTY GIS)

BACKGROUND:
LICENSEE, DECLAN FARRELL IS LEASEHOLDER AND OFFICER OF CALLAST INC., DOING BUSINESS AS DUNNES PUB.
OUTDOOR DINING IS PROPOSED IN THE CITY R.O.W., TO THE RIGHT OF DUNNE'S, IN (CURRENT) GRASSED AREA.
PURSUANT TO THE ORDINANCE ENACTED BY THE COMMON COUNCIL OF THE CITY OF WHITE PLAINS, DUNNES PUB HEREBY REQUESTS APPROVAL TO CARRY OUT IMPROVEMENTS AS DESCRIBED HEREIN.

PROPOSED WORK:
CONSTRUCT A TERRACE AREA OF APPROXIMATELY 630 S.F. OF PERMEABLE PAVERS OVER OPEN-GRADED AGGREGATE (POROSITY +/- 40%).
CONSTRUCT APPROXIMATELY 70 L.F. OF RETAINING WALL, AVERAGE HEIGHT 2'-0", MAXIMUM HEIGHT 3'-0".
PROPOSED SERVICE ACCESS WILL BE FROM THE EXISTING KITCHEN SIDE DOOR.
PROPOSED DINER ACCESS WILL BE FROM THE SIDEWALK ON SHAPHAM PLACE.

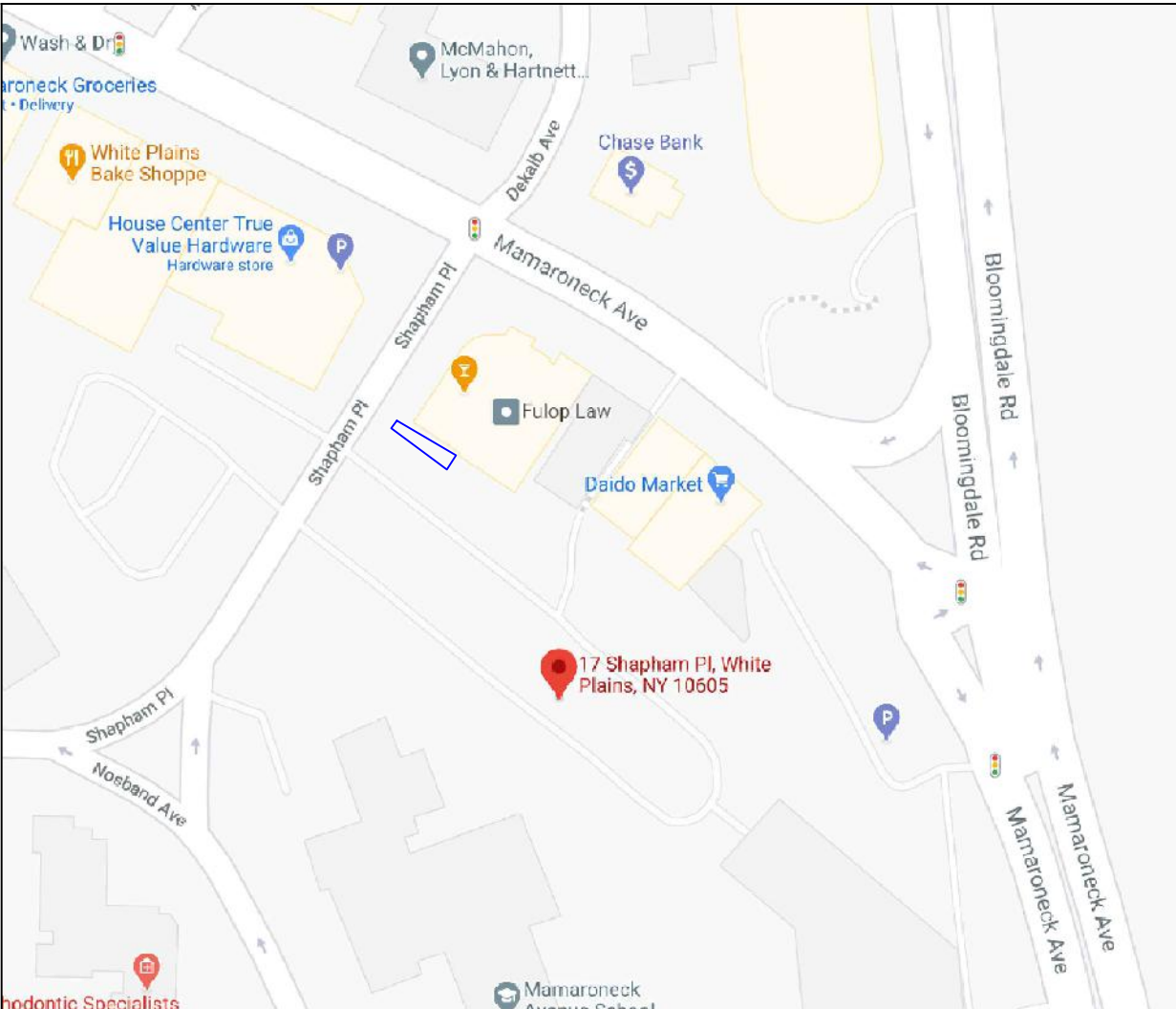
SUMMARY



TAX MAP
FROM WESTCHESTER COUNTY GIS



FRONT VIEW
FROM SHAPHAM PLACE



LOCATION
GOOGLE MAPS



PROPOSED AREA
PROPOSED DINING (BLUE);
WALKWAY / DUNNES PROPERTY (YELLOW);
CITY PROPERTY (GREEN);
PROPOSED RETAINING WALL (BROWN)

ORDINANCE OF THE COMMON COUNCIL OF THE CITY OF WHITE PLAINS
AUTHORIZING THE COMMISSIONER OF PUBLIC WORKS TO EXECUTE A
LICENSE AGREEMENT BETWEEN THE CITY OF WHITE PLAINS AND CALLAST NY
INC. TO ENCUMBER CERTAIN REAL PROPERTY OWNED BY THE CITY.

WHEREAS, the City of White Plains (the "City") is the owner of unimproved property along Shapham Place between Dunne's Pub and the municipal parking lot; and

WHEREAS, Callast NY Inc., doing business as Dunne's Pub (hereafter "Dunne's Pub"), desires to enter into a license agreement to make improvements upon such property for the purpose of providing outdoor dining; and

WHEREAS, Dunne's Pub shall pay the City a fee of \$1,800.00 to license the property from February 1, 2021 until January 31, 2022; and

WHEREAS, the Commissioner of Public Works and Commissioner of Parking have no objection to licensing the property to Dunne's Pub for the purpose of providing outdoor dining.

NOW THEREFORE, the Common Council of the City of White Plains hereby ordains and enacts as follows:

Section 1. The Common Council of the City of White Plains hereby authorizes the Commissioner of Public Works, on behalf of the City of White Plains, to execute a license agreement with Dunne's Pub to make improvements upon and encumber certain real property owned by the City of White Plains along Shapham Place from February 1, 2021 until January 31, 2022. Dunne's Pub may request two one year extensions of said license agreement, said extensions to be granted at the sole discretion of the Commissioner of Public Works and be subject to such additional terms and conditions as may be required by the Commissioner of Public Works.

Section 2. All proposed improvements on the approximate 45 foot strip of property shall be subject to the approval of the Commissioner of Public Works; that such improvements shall be made at Dunne's Pub's expense; and Dunne's Pub shall pay the City a fee of \$1,800.00 for said license for the period of February 1, 2021 until January 31, 2022. The fee for each one year extension of said license agreement that may be granted by the Commissioner of Public Works shall be an amount determined by the Commissioner of Public Works, provided, however, that said fee shall not be less than \$1,800.00 per one year period.

Section 3. Said license agreement shall be in a form and content approved by the Corporation Council.

Section 4. This ordinance shall take effect immediately.

ORDINANCE OF THE COMMON COUNCIL
CITY OF WHITE PLAINS

GISMONTI ARCHITECTS
904 MEMORIAL DRIVE AUBREY, TX 76227
(914) 494-8943
MCISMO646@AOL.COM

Oliver Engineering, P.C.
Design - Permit Applications - Legalizations
Code Compliance - Project Supervision
163 North Main Street, #207 Port Chester, NY 10573
(914) 774-9876 www.proeng.nyc vc@proeng.nyc

PROPERTY ADDRESS:

WHITE PLAINS, NY 10605
S-B-L:

OWNER:
CITY OF WHITE PLAINS

CLIENT:

DATE:
03.18.2021
ISSUE:
FOR REVIEW

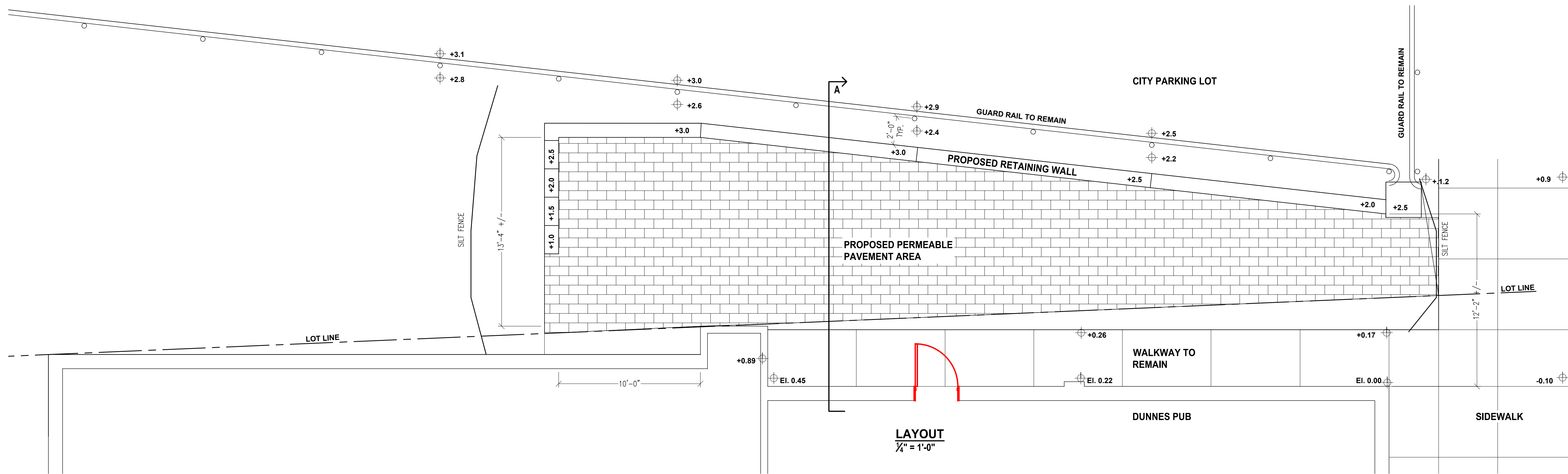
PROJECT NAME:
DUNNES OUTDOOR DINING

DRAWING NAME:
COVER SHEET

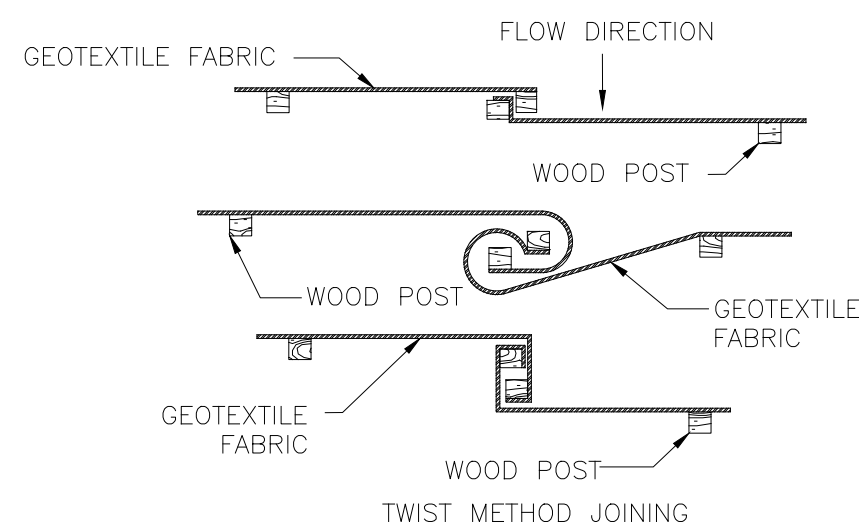
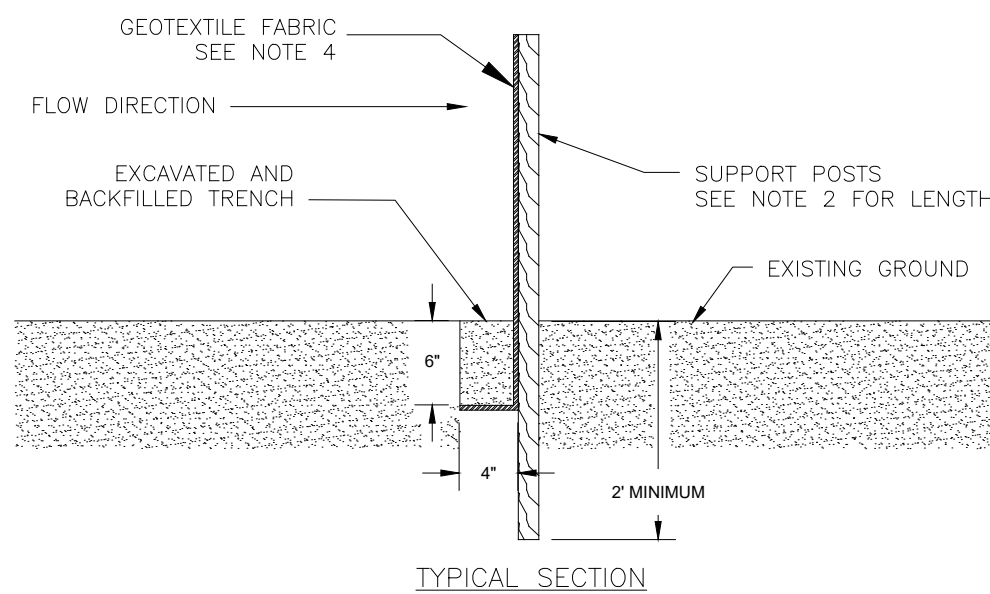
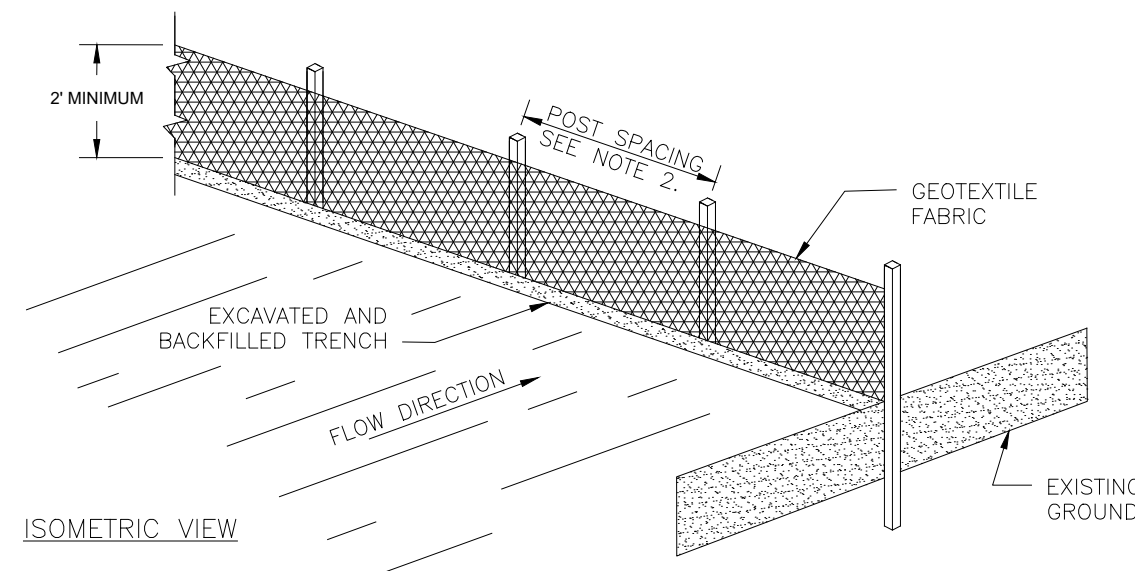
DRAWING NUMBER:
S.01

SCALE:
AS NOTED
DATE:
03.18.2021

NOTE:
THIS DRAWING IS VALID FOR
CONSTRUCTION IF (AND ONLY IF)
IT IS SO-APPROVED, BY THE CITY
OF WHITE PLAINS.



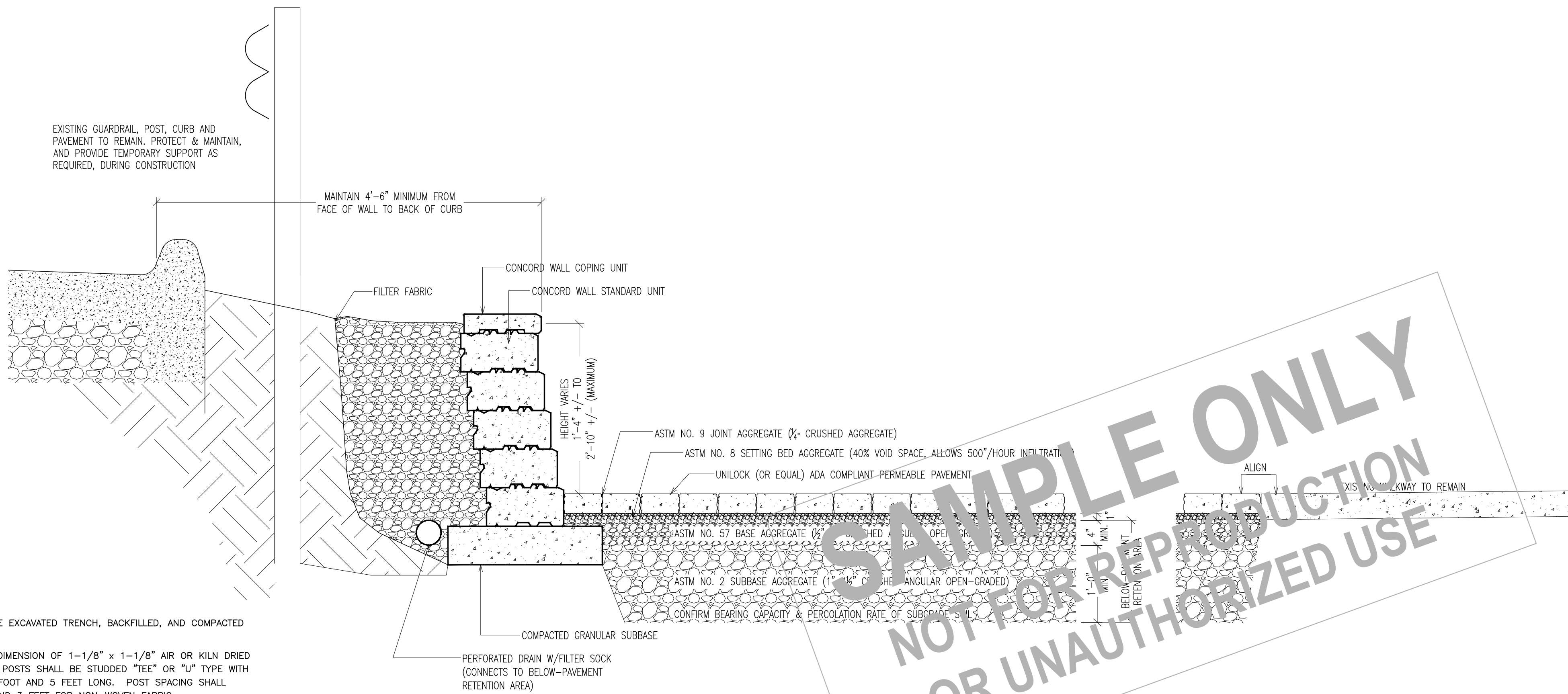
LAYOUT
1/4" = 1'-0"



SILT FENCE
DETAILS

NOTES:

1. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
2. WOODEN SUPPORT POSTS SHALL BE A MINIMUM DIMENSION OF 1-1/8" x 1-1/8" AIR OR KILN DRIED OF HICKORY OR OAK AND 4 FEET LONG. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAL FOOT AND 5 FEET LONG. POST SPACING SHALL BE A MAXIMUM OF 8 FEET FOR WOVEN FABRIC AND 3 FEET FOR NON-WOVEN FABRIC.
3. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH 0.5 INCH STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN LATH AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR 50 POUND PLASTIC TIE STRAPS ON THE UPSLOPE SIDE.
4. THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:



SECTION A
1" = 1'-0"

DESIGN AND TECHNICAL INFORMATION

TYPICAL RUNOFF COEFFICIENTS FOR THE RATIONAL METHOD

LAND USE TYPE	RECOMMENDED VALUE	SURFACE TYPE	RECOMMENDED VALUE
Industrial	0.75	Bituminous Asphalt	0.85
Downtown Business District	0.85	Pour-in-Place Concrete	0.85
Single-Family Residential	0.40	Lawns - Sandy Soils	0.15
Multi-Family Residential	0.60	Lawns - Heavy Soils	0.20
Parks	0.20	Permeable Pavers	0.0*

Sources: Design and Construction of Sanitary and Storm Sewers.
American Society of Civil Engineers, New York, n. 352, 1969.
Coefficients are based on 5 - 10 year storm frequencies.

*Actual value until detention in permeable base reaches capacity.



SOIL SUBGRADE TEXTURE / INFILTRATION RATE INCHES / HOUR (MM/SEC)											
	Sand	Loamy Sand	Sandy Loam	Loam	Silt Loam	Sandy Clay Loam	Clay Loam	Silty Clay Loam	Sandy Clay	Silty Clay	Clay
Criterion	T ₁ (hrs)	8.27 (2x10 ⁻⁵)	2.41 (7x10 ⁻⁵)	1.02 (3x10 ⁻⁵)	0.52 (1x10 ⁻⁵)	0.27 (2x10 ⁻⁵)	0.17 (1x10 ⁻⁵)	0.08 (8x10 ⁻⁶)	0.06 (4x10 ⁻⁶)	0.05 (5x10 ⁻⁶)	0.04 (2x10 ⁻⁶)
I x T ₁ / V	24	496 (216)	145 (3.7)	61 (1.5)	31 (0.8)	16 (0.4)	10 (0.25)	5 (0.12)	4 (0.1)	3 (0.07)	2 (0.05)
for	48	992 (25.2)	290 (7.4)	122 (3.1)	62 (1.6)	32 (0.8)	20 (0.5)	11 (0.3)	7 (0.17)	6 (0.15)	2 (0.05)
(V ₁ = 0.4)	72	1488 (37.8)	434 (11)	183 (4.6)	93 (2.4)	48 (1.2)	31 (0.8)	16 (0.4)	11 (0.3)	9 (0.2)	4 (0.1)

T₁ = Maximum allowable storage time V₁ = Voids ratio

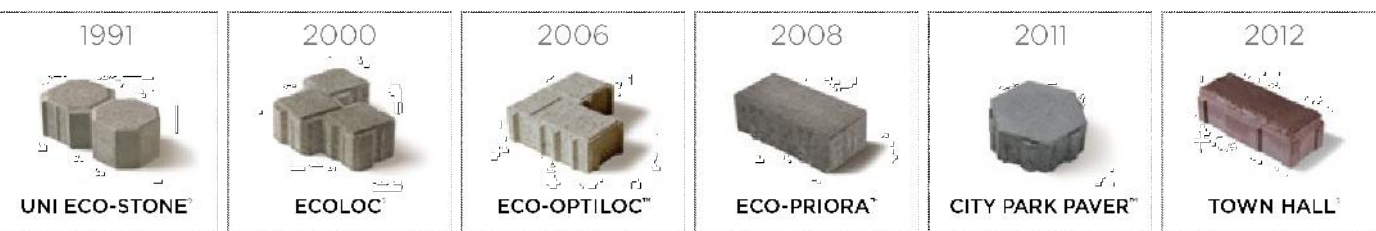
Lowest values unless base infiltration is supplemented with drain pipes.

Maximum allowable depths, inches (in) of storage for selected maximum storage times (T₁ in hours), minimum infiltration rates and inches/hour (mm/sec)(C).

The Natural Resources Conservation Service (NRCS) method typically uses 24-hour storm events as the basis for design. Therefore, this design method is based on controlling the increased runoff for a specific 24-hour storm. The specific duration and return period (e.g., 6 months, 1 year, 2 years, etc.) are provided by the locality. If the increase in peak discharge associated with the storm event cannot be managed, a first-flush event should be the minimum selected for design.

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PERMEABLE PAVER INNOVATION



ECOLOC™



- > Customizable surface texture and color (page 8-10)
- > Optimized for machine installation
- > 6 mm joint width
- > 12.8% void space

ECO-OPTILOC™



- > Machine installable averaging 8,000 sq.ft. (750 m²) per machine per day
- > Rectilinear multi-stone design
- > Dual-axis engineering for heavy-duty capability
- > Customizable surface texture and color (page 8-10)
- > 12 mm joint width
- > 7.3% void space

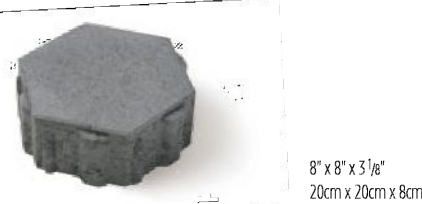
ECO-PRIORA™



- > 3 compatible sizes for variable patterns
- > Customizable surface texture and color (page 8-10)
- > 3 mm micro level for ADA compliance
- > Herringbone mold optimized for machine installation
- > 7 mm joint width
- > 7% void space (herringbone 5\"/>

*Available separately

CITY PARK PAVER™



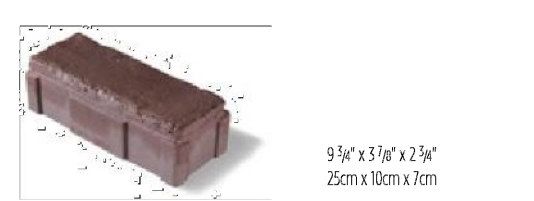
- > Hexagonal design
- > Appropriate for vehicular or pedestrian applications
- > Customizable surface texture and color (page 8-10)
- > 10 mm joint width
- > 4.2% void space

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Unilock introduced permeable paving to North America in 1991, and has continued to lead the charge with new innovative products. Our extensive involvement in permeable paving and long-standing international alliances have allowed us to gain valuable knowledge, experience, and best practices that we can share with clients to help ensure their projects are a success.

TOWN HALL™



- > Real® Surface Design replicates old street pavements
- > Ultimate® Concrete Technology provides superior strength
- > Long-term color and wear performance
- > Rounded edges facilitate snow removal
- > 8-9 mm joint width
- > 6.5% void space

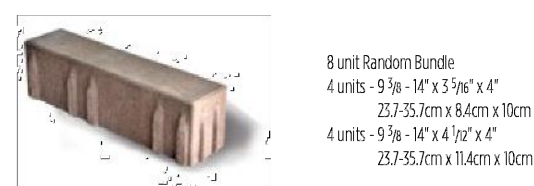
THORNBURY™



- > Three rectangular sizes in one bundle
- > Modestly textured surface
- > Long-term color and wear performance
- > Zero-bevel edge
- > 11-15 mm joint width
- > <4% void space

LARGE SQUARE
13 1/4\"/>

ECO-LINE™



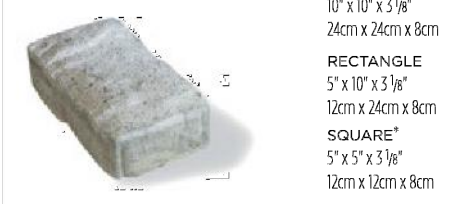
- > Long, linear shape
- > Permeable spacer ribs
- > Appropriate for heavy-duty applications
- > Customizable surface texture and color (page 8-10)
- > 7 mm joint width
- > 5.8% void space

ECO-PROMENADE™



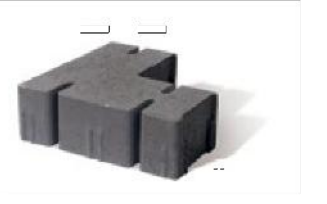
- > Long, linear shape
- > Permeable spacer ribs
- > Appropriate for vehicular or pedestrian applications
- > Customizable surface texture and color (page 8-10)
- > 7 mm joint width
- > 9.3% void space

TRIBECA COBBLE™



- > Long, linear shape
- > Permeable spacer ribs
- > Appropriate for vehicular or pedestrian applications
- > 7 mm joint width
- > 5.6% void space

DURA-FLOW™



- > Specially designed for easier cleaning and maintenance
- > Machine installable averaging 8,000 sq.ft. (750 m²) per machine per day
- > Rectilinear multi-stone design
- > Dual-axis engineering for heavy-duty capability
- > Customizable surface texture and color (page 8-10)
- > 12 mm joint width
- > 8% void space

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BENEFITS OF INFILTRATION

RAINWATER INFILTRATION is extremely important to the groundwater supply. According to the U.S. Geological Survey, one of America's most important natural resources is groundwater. Half of the drinking water in the U.S. comes from groundwater, with the balance coming from lakes and rivers. It is vital to agriculture and other industries, as well as essential for ensuring the health of rivers, streams, wetlands and other water bodies. Urban sprawl contributes to the decrease in pervious area for rainwater infiltration and reduced groundwater levels. Soil infiltration is a simple method for ensuring future water availability.

Installing a permeable paver system above porous soils allows for rainwater infiltration, reducing runoff and flooding. Most soils, even clay, allow for some infiltration. Soils with high porosity, such as sand, can have a higher infiltration rate than the actual rate of rainfall. For example, if it is raining at a rate of 2\"/>

TYPICAL INFILTRATION RATES OF VARIOUS SOIL GROUPS

SOIL CONSERVATION SERVICE GROUP	TYPICAL SOIL TYPE	SATURATED INFILTRATION RATE	
		in/hr	mm/hr
A	Sand	8.27"	210 mm
A	Loamy Sand	2.41"	60 mm
B	Sandy Loam	1.02"	26 mm
B	Loam	0.52"	12.7 mm
C	Silt Loam	0.27"	6.8 mm
C	Sandy Clay Loam	0.17"	4.3 mm
D	Sandy Clay	0.09"	2.3 mm
D	Clay Loam and Silty Clay Loam	0.08"	1.5 mm

INFILTRATION RATES FOR UNILOCK PERMEABLE PAVERS - NEWLY INSTALLED

ADA COMPLIANT	PAVER	JOINT MATERIAL	JOINT WIDTH*	VOID SPACE*	INFILTRATION RATE*	MINIMUM INFILTRATION RATE** FOR RAINFALL INTENSITY OF:			
						2"/hr	4.5"/hr	6.5"/hr	11"/hr
ADA COMPLIANT Slope 1:12 Slope 1:20	ECO-Line™	ASTM # 9 Aqua Rock	6.25mm	5.8%	560	34	78	12	190
	ECO-Promenade™	ASTM #9 - SEK Chip	7 mm	10.32%	916	20	11	81	159
	ECO-Priora™ Herringbone	ASTM #9 - SEK Chip	7 mm	7.08%	676	28	64	92	155
	ECO-Priora™ S-100	Ka-Ka - 1/8 to 3/16"	7 mm	6.6%	633	39	66	96	161
	ECO-Priora™ Pattern H	ASTM #9 - Roscoe Chip	7 mm	5.7%	509	33	79	114	183
	ECO-Priora™ Pattern H	DOT F&32	7 mm	2.7%	247	32	79	114	183
	ECO-Priora™ 10 x 10	Ka-Ka - 1/8 to 3/16"	7 mm	4.6%	337	31	98	137	239
	THORNBURY™	Ka-Ka - 1/8 to 3/16"	18mm	6.3%	794	31	69	103	169
	City Park Paver™	ASTM #9 - SEK Chip	10mm	4.2%	354	44	117	155	267
	DURA-FLOW™	ASTM #9 DOT CA-16	2mm	8%	912	25	56	81	138
ADA COMPLIANT Slope 1:12 Slope 1:20	ECO-OptiLoc™	HPB	12 mm	7.3%	404	27	62	90	151
	ECO-OptiLoc™	ASTM #9 DOT CA-16	2 mm	7.3%	912	27	62	90	151
	TRIBECA COBBLE™		10mm	5.6%	400	36	80	116	196
	THORNBURY™	ASTM # 9 Aqua Rock	18mm	4.4%	365	45	102	148	230
	ECO-Stone™	ASTM #8 DOT CA-16	6 mm	10.18%	784	18	42	60	102
	ECOLOC™	Ka-Ka - 1/8 to 3/16"	7 mm	12.18%	1050	18	41	53	99

NOTE: The 2", 4.5", 6.5" and 11" per hour Rainfall intensity examples are based on common 5 minute rainfall intensity charts and are not the same as total rainfall quantity.
* Joint Width is measured at the top of the paver. Void Space is calculated at the base of the paver.
** Infiltration rate is inches per hour based on testing done when first installed and is an approximation.

DETENTION AND VOLUME CONTROL OPPORTUNITIES

TRADITIONAL SURFACE DETENTION PONDS which act as holding facilities for rainfall are an inefficient use of space. For most land uses and all impervious areas, such as roofs, roads and parking lots, stormwater runoff flows through a system of pipes that release it into detention or retention ponds. This valuable surface area could be much more effectively utilized.

A permeable paving base for stormwater detention is a very efficient use of land. With this system, the surface is pervious, allowing detention area to be contained underneath. The detention is created under every square foot of permeable paving, as deep as necessary.

Permeable paver systems use crushed, angular, open-graded aggregate base materials. These materials are entirely different from those used for traditional impervious roads and parking lots. Those traditional systems use dense-graded aggregates containing fines, making them extremely slow-draining. Conversely, the use of open-graded aggregates provides a void space or porosity of approximately 40 percent. This is utilized for detention and allows for a rapid surface infiltration rate of over 500" (12,700 mm) per hour (see page 30 for aggregate infiltration rates).



STREETSCAPE REMAKE

A desire for urban beautification in Manhattan led to the largest district-wide use of state-of-the-art sustainable street features in the city. Among the tools permeable pavers allow rainwater to flow into the specifically-designed tree trenches that feed vegetation. As well, permeable paving helps capture stormwater, a benefit that became top-of-mind following the extensive flooding caused by Hurricane Sandy.

Product: Eco-Priora™
Location: Manhattan, New York
Project: Hudson Spine
Design: Mathew Nelson

BASE STORAGE CAPACITY

CRITERIA	SURFACE AREA (sq ft)	BASE DEPTH (in)	VOID SPACE	RAINWATER HARVEST VOLUME		BASE STORAGE CAPACITY	ACID FERT.	SURPLUS / (DEFICIT) STORAGE		% Used
				Cubic Ft (m ³)	Acres Feet	Cubic Ft (m ³)	Acres Feet	Gallons (m ³)	Acres Feet	Gallons (m ³)
1 (25 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	3,630 (103 m ³)	0.08	27,934 (793 m ³)	0.47	152,064 (376 m ³)	0.38	124,910 (475 m ³)
1 (25 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	3,630 (103 m ³)	0.08	27,934 (793 m ³)	0.60	195,511 (449 m ³)	0.52	168,357 (637 m ³)
1 (25 mm)	43,560 (4,047 m ²)	22 (56 cm)	40%	6,450 (183 m ³)	0.08	27,934 (793 m ³)	0.73	238,998 (531 m ³)	0.65	219,024 (802 m ³)
3.04 (77 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	11,035 (312 m ³)	0.25	82,548 (232 m ³)	0.47	152,064 (376 m ³)	0.21	69,596 (263 m ³)
3.04 (77 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	11,035 (312 m ³)	0.25	85,548 (240 m ³)	0.60	195,511 (449 m ³)	0.25	112,963 (438 m ³)
7.58 (19 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	22,576 (779 m ³)	0.63	205,827 (779 m ³)	0.47	152,064 (376 m ³)	(106)	15,165 (57 m ³)
7.58 (19 mm)	43,560 (4,047 m ²)	14 (35 cm)	40%	22,576 (779 m ³)	0.63	205,827 (779 m ³)	0.73	238,997 (905 m ³)	0.10	33,331 (125 m ³)

Detention volumes or storage capacities for permeable paving are based on different rainfall events.

IMPROVED WATER QUALITY



WITHOUT WATER, life cannot survive. For fish, wildlife and many plants, water is a necessity. Even plants need a certain quality of water. The infiltration process of a permeable paving system will remove pollutants such as oil. The EPA recognizes permeable paving as a best management practice (BMP) for non-point source pollution. Installing permeable pavers is a simple step to ensure cleaner water and to minimize increases in water temperature. Often forgotten, water temperature is an important quality issue. Increased water temperature can increase the amount of bacteria and algae, and can decrease aquatic life. Allowing the water to immediately infiltrate from the surface ensures it will not be heated from an impervious surface before it reaches the water table.

The Interlocking Concrete Pavement Institute (ICPI) has conducted tests that determine water quality. Their findings indicate that clean water results from water filtered through a permeable paving system. Traditional systems have no means for filtering water. Many municipalities in North America have been in turn implementing strategies to improve water quality by using permeable paving systems. Even small communities have joined in the effort to create more sustainable water management systems.

POLLUTANT	INFILTRATION TRENCH DESIGN TYPE*			Infiltration Trenches & In-situ Treatment
	10 in (25mm) Runoff per Impervious Area	10 in (25mm) Runoff per Permeous Area	2-1/2 in (6mm) Design Storm Treatment	
Total Suspended Solids	60-80%	80-100%	80-100%	95%
Total Phosphorus	40-60%	40-60%	60-80%	70%
Total Nitrogen	40-60%	40-60%	60-80%	5%
Biological Oxygen Demand	60-80%	60-80%	80-100%	-
Bacteria	60-80%	60-80%	80-100%	-
Metals	60-80%	60-80%	80-100%	99% (Zn)

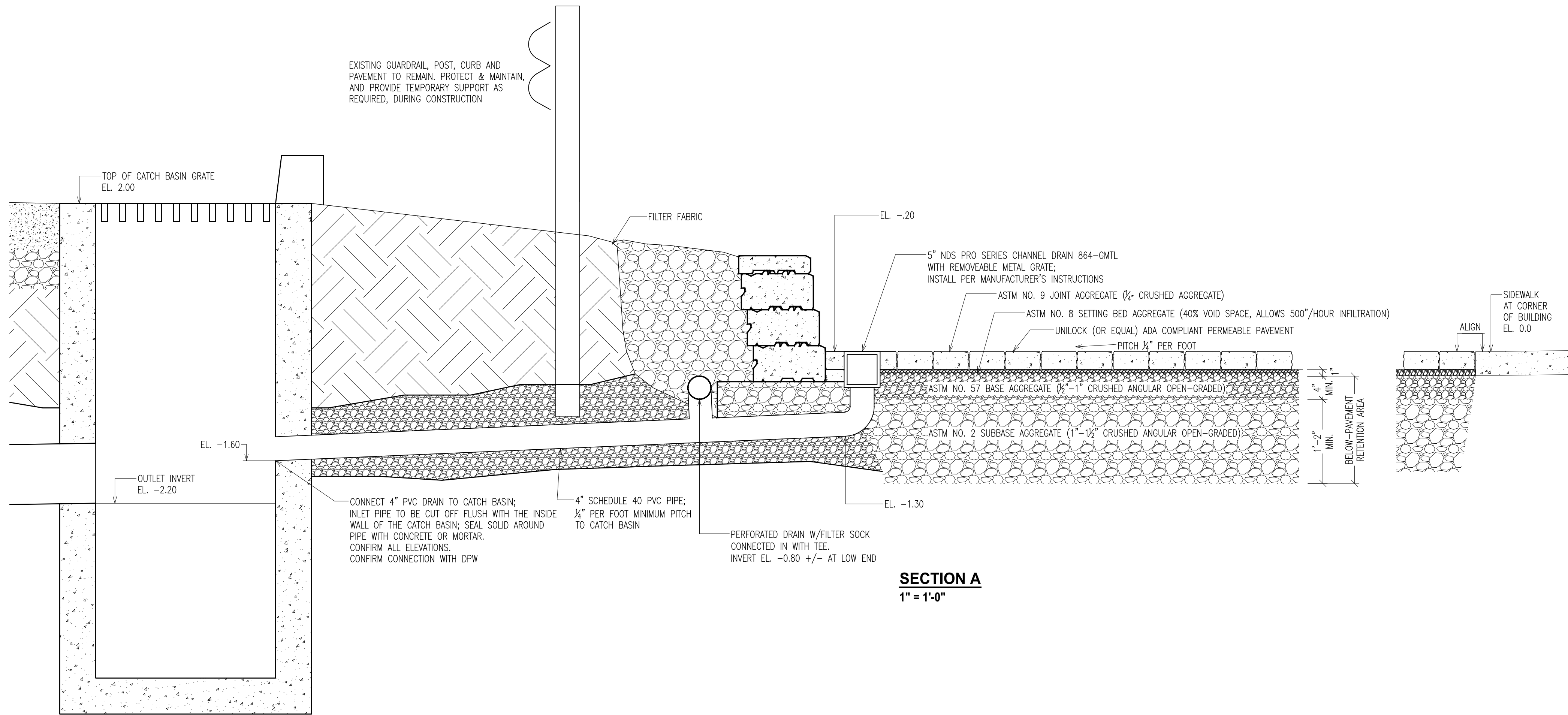
*Note: These rates are not based on actual data since monitoring what enters and leaves any infiltration facility is difficult to measure. This data is based on land application of pollutants and their treatment through soils.

**Actual monitored removal rates.

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SECTION A
1" = 1'-0"

TECHNICAL SPECIFICATIONS

5 Inch Pro Series Drain Kit With Metal Grate

Part #: 864GMTL (Includes 2 Galvanized Steel Grates, #800-Channel (1qty.), #813-End Outlet (1qty.), and #812-End Cap (1qty.)
Material: Channel (Polyolefin) Grates (Galvanized Steel)
Color: Light Gray / Galvanized Steel
Fits: 3" (Hub) and 4" (Spigot) Sewer/Drain Pipe
Rebar tie clips for easier installation: Fits #4 Rebar

Grate Opening: 0.45"x 4"
Open Surface Area: 19.32 sq. inch per linear ft.

Head Pressure / Flow Rate:
Head (inches) - Max Flow
 1" = 83.58 GPM per foot
 0.5" = 59.10 GPM per foot
Weight per unit: 7.70 lbs.
Screw: #829 Stainless Steel Screw, 4 per grate.
UV Inhibitors

ADA Compliance
 NDS provides a wide selection of grates that are compliant with the Americans with Disabilities Act. The ADA Accessibility Guidelines for Buildings and Facilities Section 4.5.4 specifies that grates and floor grates shall have spaces no greater than 2.0 in (51 mm) wide in any direction. We are pleased to provide grates that comply with these requirements, so that no individual need be limited from accessing the area safely and confidently.
 To see if a grate is ADA compliant, please check the description of the product in our NDS Drainage Catalog; products that meet these requirements are marked "ADA compliant."
 Like to find out more about ADA compliance and NDS? Send us your question and we'll be happy to help.

ADA COMPLIANT

Class B
 • Loads of 81-175 psi.
 • Recommended for medium-duty pneumatic tire traffic, autos and light trucks at speeds less than 20 m.p.h.

Note: Some installations may require a concrete collar to meet soilaving. Collars are based on enclosing product at concrete. Product that be installed using NDS instructions.

STAMP:

851 N. Harvard Avenue
 Lindsay, CA 93247
 809-726-1994

Visit ndspro.com for specs, detail drawings, and case studies

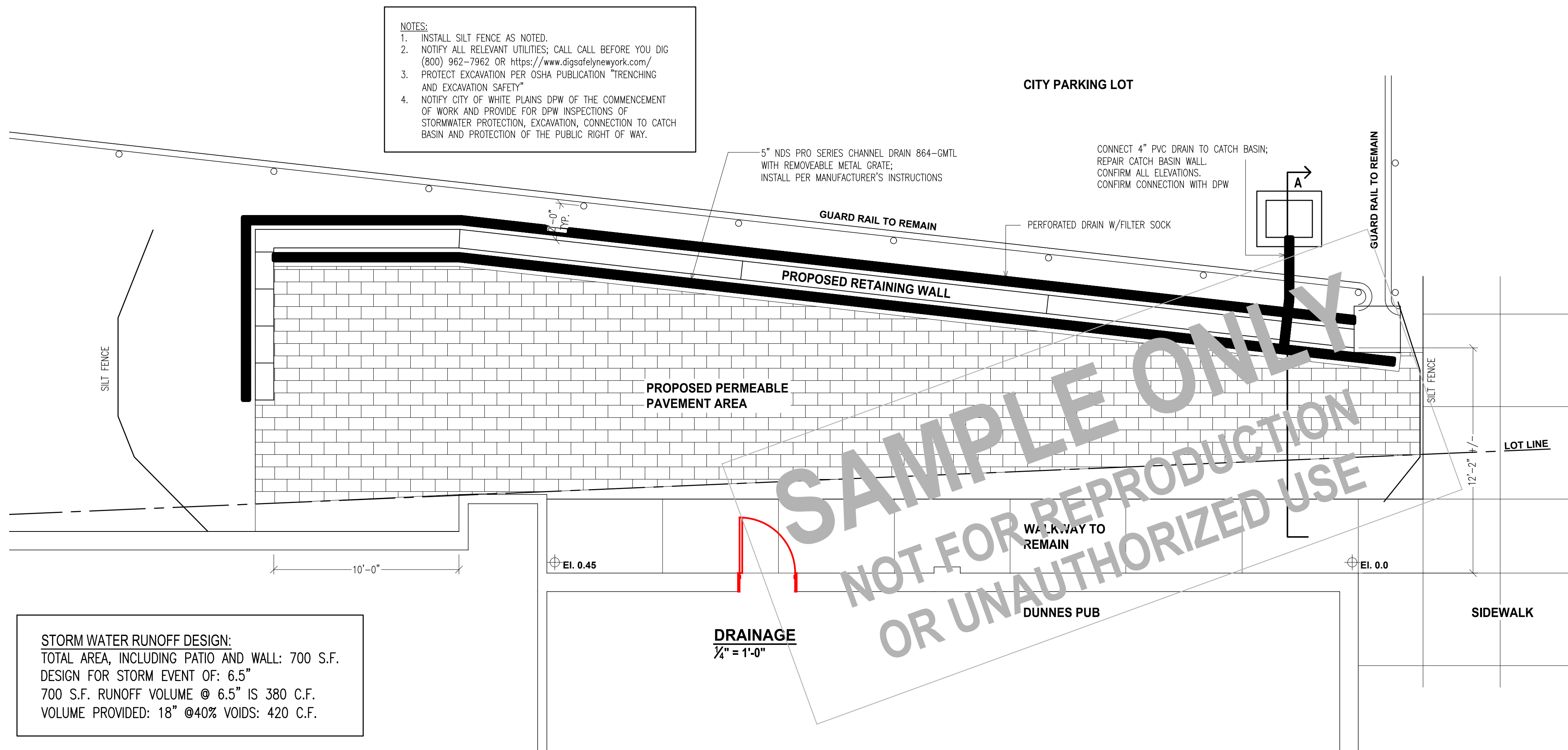
NDS
 WE PUT WATER IN ITS PLACE

NDS, INC.
 851 NORTH HARVARD AVE.
 LINDSAY, CA 93247
 TOLL FREE: 1-800-726-1994
 PHONE: (559) 562-9888
 FAX: (559) 562-4488
www.ndspro.com

NOTES:
 1. CHANNELS TO BE INSTALLED WITH GRATE. GRATE TO BE PROTECTED FROM CONCRETE POUR
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. DO NOT SCALE DRAWING.
 4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
 5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

PRO SERIES CHANNEL DRAIN SYSTEM
 5" PRO SERIES INSTALLATION DETAIL - LOAD CLASS 'A' & 'B' - 4" ENCASMENT REBAR SUSPENSION W/ PAVERS

REVISION DATE 3-5-2015



STORM WATER RUNOFF DESIGN:
 TOTAL AREA, INCLUDING PATIO AND WALL: 700 S.F.
 DESIGN FOR STORM EVENT OF: 6.5"
 700 S.F. RUNOFF VOLUME @ 6.5" IS 380 C.F.
 VOLUME PROVIDED: 18" @40% VOIDS: 420 C.F.

GISMONDI ARCHITECTS
 904 MEMORIAL DRIVE AUBREY, TX 76227
 (914) 494-8943 MGISMD046@AOL.COM

Oliver Engineering P.C.
 Design - Permit Applications - Legalizations
 Code Compliance - Project Supervision
 163 North Main Street, #207 Port Chester, NY 10573
 (914) 774-9878 www.proeng.nyc vc@proeng.nyc

STAMP:

MICHAEL A. GISMONDI AIA
 NY REG. NO. 117585

STAMP:

WINFRED COAKLEY, P.E.
 NY REG. NO. 00075

PROPERTY ADDRESS:
 DUNNES OUTDOOR DINING
 17 SHAPHAM PLACE
 WHITE PLAINS, NY 10605

S-B-L:
 131.09-2-1

OWNER:
 CITY OF WHITE PLAINS

CLIENT:
 DECLAN FARRELL
 DUNNES PUB
 (914) 424-8168

DATE:
 03.18.2021
 03.29.2021
 04.13.2021
 04.17.2021
 04.22.2021
 04.26.2021

ISSUE:
 FOR REVIEW
 FOR REVIEW
 DPW
 STORMWATER
 REVISED
 REVISED
 REVISED

PROJECT NAME:
 DUNNES OUTDOOR DINING

DRAWING NAME:
 DRAINAGE

DRAWING NUMBER:
 S.04

SCALE:
 AS NOTED

DATE:
 03.18.2021

NOTE:
 THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) IT IS SO-APPROVED, BY THE CITY OF WHITE PLAINS.