

**Department of Safety & Permits
Stormwater Management & Landscape Plan Review
POST CONSTRUCTION CERTIFICATION**

TO BE SUBMITTED WITH AS-BUILT PLANS OR EQUAL

I, Name, a Professional Engineer or Landscape Architect duly licensed to practice in the State of Louisiana do hereby certify that, to the best of my knowledge, the structural and/or landscape components recorded with the approved Stormwater Management Plan Docket Number SW##### have been installed in general accordance with the approved plans and specifications, subject to existing conditions and unless otherwise specified for the Stormwater Management Plan for the property located at Property Address.

Building Permit # #21-10840-NEWC

Name

Affiliation or Firm DAMMON ENGINEERING

Street Address 554 OLD SPANISH TRAIL

City State Zip Code SLIDELL, LA. 70458

Email Address INFO@DAMMONENGINEERING.COM

Phone Number 985-649-5832

Notes

Engineer or Landscape Architect's Seal and Signature:

Brian A Mistich

Date: 01-22-24



Once executed, please return the original certification to:

City of New Orleans
Department of Safety & Permits
Stormwater Management
1300 Perdido Street, 7W03
New Orleans, LA 70112

5710 General Haig street

2 messages

Jessika C. Thibodeaux <Jessika.Thibodeaux@nola.gov>

Thu, Jan 11, 2024 at 2:41 PM

To: "noffthomasm@gmail.com" <noffthomasm@gmail.com>

Cc: "Jay P. Dufour" <Jay.Dufour@nola.gov>, "Daniel J. Hrapmann" <djhrapmann@nola.gov>


Thomas, it was a pleasure speaking with you this morning here are the attached documentation for storm water for you to have. There is no need for a performance bond since this is a capital project but please provide a affidavit associated with the post certification letter you have on file. We will need these documents recorded and a payment of \$250 for the storm water certification is needed.

Jessika C. Thibodeaux

Senior Hydrology Plan Examiner**Safety and Permits**

Office of Business and External Services | City of New Orleans

1340 Poydras| 8th Floor | New Orleans, LA 70112(504) 658-7200 Office | (504) 658-7129 Direct | jessika.thibodeaux@nola.gov*"you will not be able to stop winning if you tried" -2024*

8 attachments **C100 - AS-BUILT 7-20-22 Site Paving Plan.pdf**
991K **C101 - Site Plan Pre and Post.pdf**
664K **drainage cost NOFD (1).pdf**
69K **Post Construction Certification-signed.pdf**
154K **Storm Water Calc PostDev.pdf**
107K **Storm Water Calc PreDev.pdf**
87K **Storm Water Calc Summary.pdf**
99K **TrueGrid Maintenance Guide.pdf**
350K

Thomas Meagher <noffthomasm@gmail.com>

Thu, Jan 11, 2024 at 3:23 PM

Draft To: "Jessika C. Thibodeaux" <Jessika.Thibodeaux@nola.gov>

Cc: "Jay P. Dufour" <Jay.Dufour@nola.gov>, "Daniel J. Hrapmann" <djhrapmann@nola.gov>

It was a pleasure speaking with you. I will record these documents and provide a affidavit

Thanks

Tommy

[Quoted text hidden]

--

Thomas F. Meagher III
Secretary Treasurer
Trustee
5710 General Haig
New Orleans, La. 70124
(504) 578-0305 Cell
(504) 366-8102 Office
noffthomasm@gmail.com

Department of Safety & Permits
Stormwater Management & Landscape Plan Review
POST CONSTRUCTION RECORDATION FORMAT

Note: A certification inspection fee of \$250 will also be established for the project post final inspection due prior to CO

- 1) Executed Stormwater Performance Bond using City format**
- 2) Itemized Statement of Stormwater Construction Cost**
- 3) Stormwater Operation & Maintenance Plan**
- 4) Designer's Affidavits / Certifications of Stormwater Completion**
- 5) As-built Plans and Calculations of Stormwater Improvements**
 - a. Demolition Plan**
 - b. Site Plan**
 - c. Pre-construction Drainage Area Map**
 - d. Stormwater Calculator Pre-construction Sheet**
 - e. Post-construction Drainage Area Map**
 - f. Stormwater Calculator Post-construction Sheet**
 - g. Stormwater Calculator Summary Sheet**
 - h. Stormwater Improvements Plans including Utilities, Grading, Sections, Details and similar information necessary to reconstruct the improvements if needed.**



DAMMON
ENGINEERING, INC.

554 Old Spanish Trail
Slidell, LA 70458
Phone: 985-649-5832

dammonengineering.com
info@dammonengineering.com

Department of Safety & Permits
Stormwater Management & Landscape Plan Review
Post Construction Certification

7-20-2022

I Brian Mistich a Professional Engineer, licensed to practice in the State of Louisiana do hereby certify that, to the best of my knowledge, the structural and landscape components recorded with the approved Stormwater Management Plan Permit Number #21-10840-NEWC have been installed in general accordance with the approved plans and specifications, subject to existing conditions and unless otherwise specified for the Stormwater Management Plan for the property located at 5710 General Haig St. NOLA.

Building Permit #21-10840-NEWC

Dammon Engineering
554 Old Spanish Trail
Slidell, La. 70458
info@dammonengineering.com
985-649-5832



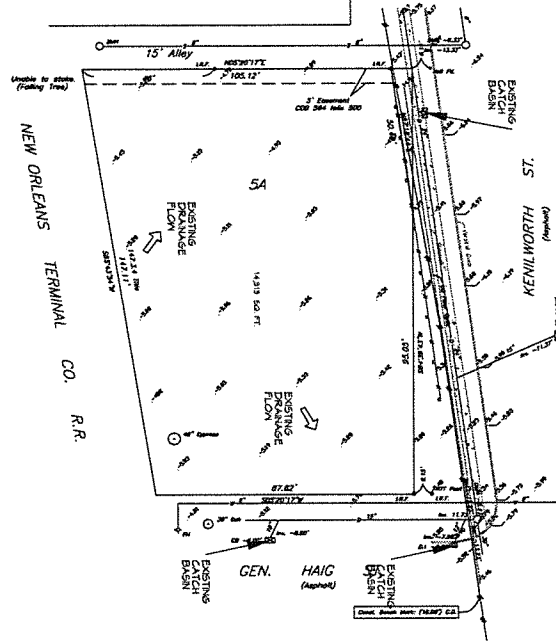
Brian A Mistich



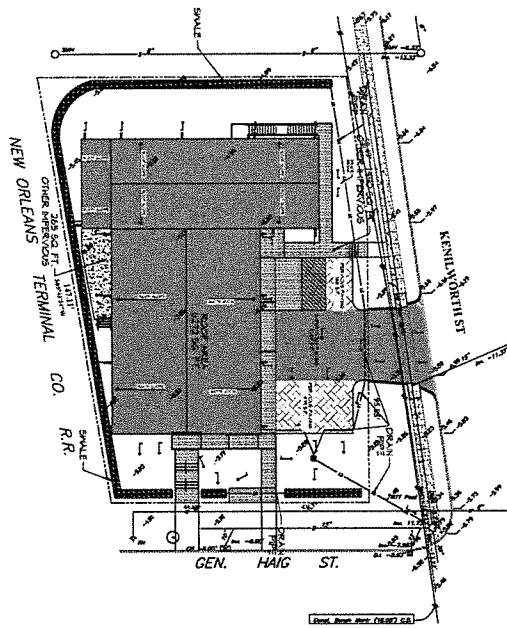
ARGONNE ST. SIDE

PRE DEVELOPMENT
SCALE 1"=20'

Note:
Improvements may not be to scale for clarity.
The dimensions shown prevail over scale.



POST DEVELOPMENT
SCALE 1"=20'



PRE & POST WATER FLOW
↑ PRE DEVELOPMENT DRAINAGE FLOW
↓ POST DEVELOPMENT DRAINAGE FLOW

AS-BUILT
07-20-22

NEW FACILITY
5110 GENERAL HAIG STREET
NEW ORLEANS, LA 70124

PROJECT: NEW ORLEANS AIRPORT
DRAWN BY: C101
DATE: 06/30/2021
CHECKED BY: JH

1 of 1

NO.	DESCRIPTION	DATE
1	AS-BUILT	07-20-22

DAMMON
ENGINEERING, INC.
LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Heston, PE
554 Old Spanish Trail
Shreve, LA 70565

www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832

K. B. KAUFMANN & CO. INC
PROFESSIONAL CONSTRUCTION AND DEVELOPMENT SERVICES

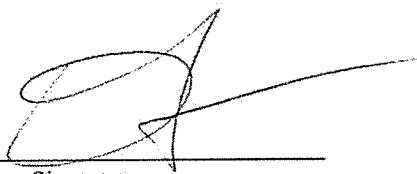
August 2, 2022

G.C.: K. B. Kaufmann
Contact: David Kaufmann Jr.

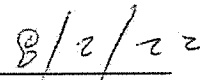
Project: NOFD permit # 21-10840
General Haig, New Orleans, La.

Drainage Cost for General Haig NOFD Union

The Cost of drainage for the project was \$27,500.00



Signature



Date

Respectfully,

David Kaufmann, Jr, V.P.

Total PP Storage Volume (cf) **1071.8**

Bioretention/Bioswale/Planter

	Bio1A	Bio1B	Bio1C	Bio1D
Length (ft)	215	30.7		
Width (ft)	3	3		
Side Slope Ratio (X:1)	3	3		
Area (sf)	645	92.1		
Contributing Drainage Area (sf)	8924	780		
Ponding Depth (in)	3	3	3	3
Bioretention Soil Depth (in)	0	8	8	8
Bioretention Soil Void Space	0.3	0.3	0.3	0.3
Bridging Stone Layer Depth (in)	0	3	3	3
Bridging Stone Void Space	0.35	0.35	0.35	0.35
Aggregate Layer Depth (in)	0	18	18	18
Aggregate Layer Void Space	0.3	0.3	0.3	0.3
Subsurface Storage Volume (cf)	0	68		
Surface Storage Volume (cf)	121	17		
Total Storage Volume (cf)	121	85		

Total Bioretention Storage Volume (cf) **205.3**

Infiltration Trench

	IT1A	IT1B	IT1C	IT1D
Length (ft)				
Width (ft)				
Area(sf)	0	0	0	0
Side Slope Ratio (X:1)				
Contributing Drainage Area (sf)				
Ponding Depth (in)	0	0	0	0
Aggregate Layer Depth (in)	24	24	24	24
Aggregate Layer Void Space	0.3	0.3	0.3	0.3
Subsurface Storage Volume (cf)	0	0	0	0
Surface Storage Volume (cf)	0	0	0	0
Total Storage Volume (cf)	0	0	0	0

Total Trench Storage Volume (cf) **0**

Tree Cell

	TC1A	TC1B	TC1C	TC1D
Length (ft)				
Width (ft)				
Area(sf)	0	0	0	0
Contributing Drainage Area (sf)				
Depth of Amended Soil (in)				
Depth of Open Space (if any) (in)				
Amended Soil Void Space	0.35	0.35	0.35	0.35
Subsurface Storage (cf)	0	0	0	0

Total Tree Cell Storage Volume (cf) **0.0**

Detention/Retention Basins

Basin Used?	No
Detention or Retention?	Retention
Contributing Drainage Area (sf)	

Stage (ft)	Surface Area (sf)	Volume (cf)
		0

Orifice Information

Centerline Depth (ft)	Area (sf)	Coefficient of Discharge

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Total Basin Storage Volume (cf)	0
Total Surface Area (sf)	0

Total Provided Storage Non-Detention (cf)	1277
Total Provided Storage with Detention (cf)	1277

SubArea Requirement Met	YES
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Total Contributing Area to GI (sf)	14,312
Total Drainage Area(sf)	14,313
Contributing Area Equal or Less than Drainage Area	YES

GENERAL INFORMATION

Site Location	NEW ORLEANS FIRE FIGHTERS ASSOCIATION		Developer Contact	DAVID KAUFMANN, JR
	5710 GENERAL HAIG STREET		Engineer Contact	DAVID DAMMON
	NEW ORLEANS, LA 70124			
Name of Developer	K B KAUFMANN & CO INC			
Name of Engineer	DAMMON ENGINEERING, INC			

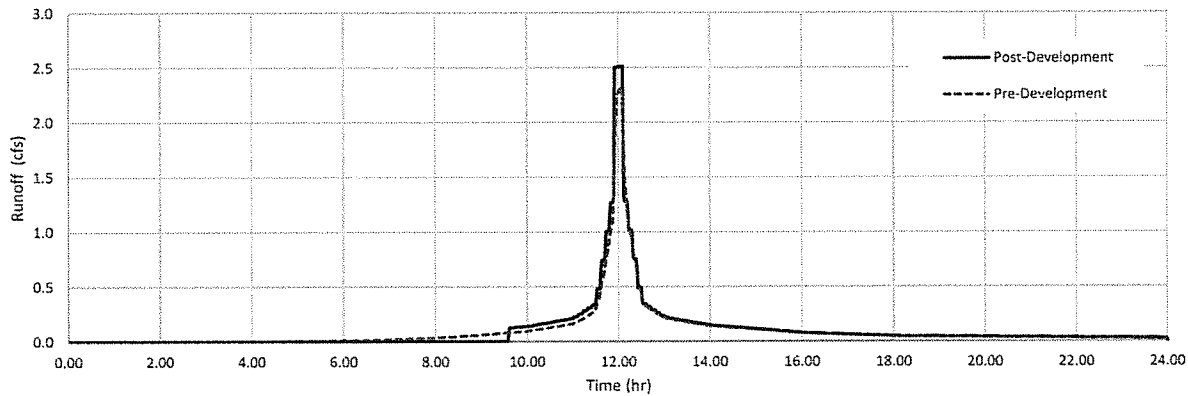
SUMMARY - STORAGE VOLUME

	Drainage Area 1	Drainage Area 2	Drainage Area 3	Drainage Area 4	Total
Total Area (acres)	0.329				0.33
Required Storage Volume (cf)	956				956
Provided Storage Volume (cf)	1277				1277
Bypass Volume (cf)	0				0
	Storage Requirement Met				YES
	Bypass Volume <=10%				YES

SUMMARY - RUNOFF

Storm for Analysis: 10-yr Rainfall Depth (in): 9.1

	Pre-Development	Post-Development	Requirement Met
Total Site (acres)	0.33	0.33	YES
Peak Runoff Rate (cfs)	2.32	2.51	NO
Total Runoff (MG)	0.064	0.067	-



SUMMARY - WATER QUALITY

Average Annual Rainfall Total (in): 63

New Development or Substantial Improvement? Substantial Improvement

Average Annual Loadings

	Units	Pre-Development	Post-Development w/o GI	Post-Development w/ GI	Annual Reduction via GI	Reduction %
TSS	lbs	22	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
BOD	lbs	2.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
TP	lbs	1.24	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
TN	lbs	5.36	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Pb	lbs	0.02	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Zn	lbs	0.16	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
E.Coli	Billion Colonies	55.4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

TRUEGRID – Maintenance Guide

TRUEGRID typically requires very little maintenance. Most silt and sediment will decay and pass naturally through the system as tested and documented in the Brattebo and Booth 2003 study¹. Here are some maintenance suggestions to ensure high permeability for the life of your TRUEGRID site.

Leaves & Garbage:

Excessive leaves and/or garbage should be raked, or air blown being careful not to remove the gravel. Small organic particles will decay naturally and pass through the system.

Sediment:

TRUEGRID may be hosed down with water or carefully power washed to move excess sediment through the system. Care should be taken to not wash gravel out during this process. TRUEGRID is a modular system. If needed, any area can be pulled up and infill or base material can be replaced. The same TRUEGRID can then be reused.

Snowplowing:

TRUEGRID can be plowed using standard truck-mounted snowplow blades with small riser skids on the corners of the blades to keep the bottom of the blade off the surface of the grid by roughly 1".

Tree or plants watering:

Adjacent trees or plants next to or part of the TRUEGRID site can be watered directly through the permeable TRUEGRID system either manually or with irrigation. TRUEGRID paving helps protect the tree roots from damage from heavy vehicles and traffic.

Grass Infill

TRUEGRID grass infill applications should be treated the same as regular grass maintenance. Water and feed grass, as needed. Mow grass appropriately. Apply seed to bare spots, as needed. Aerate grass, as needed.

¹Long-term stormwater quantity and quality performance of permeable pavement systems

Benjamin O. Brattebo, Derek B. Booth*

Department of Civil and Environmental Engineering, Center for Water and Watershed Studies, University of Washington, Box 352700, Seattle, WA 98195, USA

Received 10 October 2002; received in revised form 20 June 2003; accepted 1 July 2003

Abstract

This study examined the long-term effectiveness of permeable pavement as an alternative to traditional impervious asphalt pavement in a parking area. Four commercially available permeable pavement systems were evaluated after 6 years of daily parking usage for structural durability, ability to infiltrate precipitation, and impacts on infiltrate water quality. All four permeable pavement systems showed no major signs of wear. Virtually all rainwater infiltrated through the permeable pavements, with almost no surface runoff. The infiltrated water had significantly lower levels of copper and zinc than the direct surface runoff from the asphalt area. Motor oil was detected in 89% of samples from the asphalt runoff but not in any water sample infiltrated through the permeable pavement. Neither lead nor diesel fuel were detected in any sample. Infiltrate measured 5 years earlier displayed significantly higher concentrations of zinc and significantly lower concentrations of copper and lead.

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