

InvoiceInvoice Number
E-113583Invoice Date
Jun 30, 2025

Page:

1

Shauger Property Services, Inc.
429 DODD STREET
EAST ORANGE, NJ 07017

Voice: 973-676-2100
Fax: 973-676-8200

Sold To:
TOWNSHIP OF WEST ORANGE
DEPT. OF PUBLIC WORKS
25 LAKESIDE AVENUE
WEST ORANGE, NJ 07052

Attn: ZAYIBETH CARBALLO
RE: TOWNSHIP OF WEST ORA

Job Number: PC25-033,02,10

Customer PO	Payment Terms	Due Date	Sales Rep ID
80223	Net 15 Days	7/15/25	

Quantity	Description	Unit Price	Extension
	JOB LOCATION: 12 ROONEY CIRCLE, WEST ORANGE, NJ 07052		442,710.63
	SCOPE OF WORK		
	EMERGENCY RESPONSE, EXCAVATION, REPAIR, AND REPLACEMENT ACTIVITIES - ROONEY CIRCLE STORM WATER		
	INFRASTRUCTURE FAILURE		
	CONTRACTOR: THE SHAUGER PROPERTY SERVICES, INC.		
	IN RESPONSE TO A MAJOR STORMWATER INFRASTRUCTURE FAILURE AT ROONEY CIRCLE IN WEST ORANGE, NJ, THE SHAUGER PROPERTY SERVICES, INC. MOBILIZED TO PERFORM EMERGENCY EXCAVATION, REPAIR, AND, REPLACEMENT OPERATIONS. THE SCOPE OF WORK INCLUDED DEEP TRENCH EXCAVATION WITH TIMBER SHORING FOR TRENCH PROTECTION, INSTALLATION OF HIGH DENSITY POLYETHYLENE (HDPE) STORM PIPING,		

	Subtotal	Continued
	Sales Tax	Continued
	Total Invoice Amount	Continued
Check No	Payment Received	0.00
	TOTAL	Continued

Invoice

Shauger Property Services, Inc.
429 DODD STREET
EAST ORANGE, NJ 07017

Invoice Number
E-113583

Invoice Date
Jun 30, 2025

Page:
2

Voice: 973-676-2100
Fax: 973-676-8200

Sold To:
TOWNSHIP OF WEST ORANGE
DEPT. OF PUBLIC WORKS
25 LAKESIDE AVENUE
WEST ORANGE, NJ 07052

Attn: ZAYIBETH CARBALLO
RE: TOWNSHIP OF WEST ORA

Job Number:

Customer PO	Payment Terms	Due Date	Sales Rep ID
80223	Net 15 Days	7/15/25	

Quantity	Description	Unit Price	Extension
	CONCRETE REINFORCEMENT, AND FINAL PAVING TO RESTORE FULL STORMWATER SYSTEM FUNCTIONALITY. CONFINED SPACE SETUP & INSPECTION ESTABLISHED A CONFINED SPACE ENTRY (CSE) PROTOCOL FOR SAFE ACCESS TO A 26-FOOT-DEEP STORM MANHOLE. PERFORMED MANNED ENTRY INTO THE MANHOLE TO CONDUCT AN INTERNAL INSPECTION. UTILIZED A PORTABLE PUSH CAMERA SYSTEM TO INSPECT THE STORM LINE AND CONFIRM THE LOCATION AND EXTENT OF THE PIPE COLLAPSE. CAPTURED AND SUBMITTED PHOTOGRAPHIC EVIDENCE OF THE DAMAGED PIPE TO THE CLIENT FOR DOCUMENTATION AND REPAIR PLANNING. FOLLOWING DAY 1, SHAUGER BEGAN EXCAVATIONS TO EXPOSE THE DAMAGED PIPE, WHICH INCLUDED THE CONSTRUCTION OF TIMBER SHORING TRENCH		

	Subtotal	Continued
	Sales Tax	Continued
	Total Invoice Amount	Continued
Check No	Payment Received	0.00
	TOTAL	Continued

Invoice

Shauger Property Services, Inc.
429 DODD STREET
EAST ORANGE, NJ 07017

Invoice Number
E-113583

Invoice Date
Jun 30, 2025

Page:
3

Voice: 973-676-2100
Fax: 973-676-8200

Sold To:
TOWNSHIP OF WEST ORANGE
DEPT. OF PUBLIC WORKS
25 LAKESIDE AVENUE
WEST ORANGE, NJ 07052

Attn: ZAYIBETH CARBALLO
RE: TOWNSHIP OF WEST ORA

Job Number:

Customer PO	Payment Terms	Due Date	Sales Rep ID
80223	Net 15 Days	7/15/25	

Quantity	Description	Unit Price	Extension
	PROTECTION. THE EXCAVATION ULTIMATELY REACHED 26' DEEP THROUGHOUT THE EXCAVATION AND INCLUDED THE PRESENCE OF AN 8-INCH ACTIVE GAS MAIN RUNNING THROUGH THE TRENCH EXTRA TIMBER SHORING WAS INSTALLED WITH EXTRA CAUTION AND REINFORCEMENT TO PROTECT AND SUPPORT THE EXISTING GAS UTILITY. THE PRESENCE OF THE HIGH PRESSURE GAS MAIN CREATED THE NEED FOR SIGNIFICANT HAND WORK THROUGHOUT THE EXCAVATION PROCESS. STORM PIPE REPLACEMENT AND INFRASTRUCTURE IMPROVEMENTS. PRIMARY TRENCH WORK: UPON EXPOSING THE DAMAGED STORM PIPE, A 60-FOOT SECTION WAS REMOVED. THE TRENCH WAS THEN PREPARED FOR THE INSTALLATION OF 160 LINEAR FEET (LF) OF NEW 30-INCH HIGH-DENSITY		

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment Received	0.00
TOTAL	Continued

Check No

Invoice

Shauger Property Services, Inc.
429 DODD STREET
EAST ORANGE, NJ 07017

Invoice Number
E-113583

Invoice Date
Jun 30, 2025

Page:
4

Voice: 973-676-2100
Fax: 973-676-8200

Sold To:
TOWNSHIP OF WEST ORANGE
DEPT. OF PUBLIC WORKS
25 LAKESIDE AVENUE
WEST ORANGE, NJ 07052

Attn: ZAYIBETH CARBALLO
RE: TOWNSHIP OF WEST ORA

Job Number:

Customer PO	Payment Terms	Due Date	Sales Rep ID
80223	Net 15 Days	7/15/25	

Quantity	Description	Unit Price	Extension
	POLYETHYLENE (HDPE) STORM PIPE, RUNNING FROM THE MANHOLE ON ROONEY CIRCLE TO THE MANHOLE LOCATED IN THE CAMBRIA HOTEL PARKING LOT A PORTION OF THE NEW STORM LINE WAS BORED AND SLEEVED TO ALLOW SAFE CROSSING BENEATH EXISTING INFRASTRUCTURE. THE SLEEVED SECTION WAS FULLY ENCASED IN FLOWABLE FILL CONCRETE MIX TO ENHANCE STRUCTURAL INTEGRITY AND PREVENT FUTURE SUBSIDENCE OR COLLAPSE. ONCE PIPE INSTALLATION WAS COMPLETED, SHAUGER BACKFILLED THE TRENCH USING CERTIFIED DENSE GRADED AGGREGATE (DGA) MATERIAL IN 3-FOOT LIFTS. AFTER BACKFILLING TO 8 INCHES BELOW FINISHED GRADE, THE REMAINING TIMBER SHORING WAS REMOVED AND THE TRENCH WAS PAVED WITH ASPHALT BASE COURSE TO MATCH GRADE WITH NEW 18-INCH HDPE STORM PIPE TO INCREASE CAPACITY AND IMPROVE SYSTEM DURABILITY		

	Subtotal	Continued
	Sales Tax	Continued
	Total Invoice Amount	Continued
Check No	Payment Received	0.00
	TOTAL	Continued

Invoice

Shauger Property Services, Inc.
429 DODD STREET
EAST ORANGE, NJ 07017

Invoice Number
E-113583

Invoice Date
Jun 30, 2025

Page:

5

Voice: 973-676-2100
Fax: 973-676-8200

Sold To:
TOWNSHIP OF WEST ORANGE
DEPT. OF PUBLIC WORKS
25 LAKESIDE AVENUE
WEST ORANGE, NJ 07052

Attn: ZAYIBETH CARBALLO
RE: TOWNSHIP OF WEST ORA

Job Number: PC25-033

Customer PO	Payment Terms	Due Date	Sales Rep ID
80223	Net 15 Days	7/15/25	

Quantity	Description	Unit Price	Extension
	SECONDARY TRENCH WORK: AN ADDITIONAL TRENCH WAS EXCAVATED TO ACCESS AND REMOVE A COLLAPSED 12-INCH STORM MAIN LOCATED BETWEEN TWO CATCH BASINS. THE FAILED SECTION WAS REPLACED WITH NEW 18-INCH HDPE STORM PIPE TO INCREASE CAPACITY AND IMPROVE SYSTEM DURABILITY. THE TRENCH REACHED A DEPTH OF APPROXIMATELY 8 FEET AND WAS SUBSEQUENTLY BACKFILLED AND PAVED WITH ASPHALT BASE COURSE TO FINISHED GRADE. CONDUCTED CCTV CAMERA INSPECTION AND THOROUGH CLEANING OF THE ENTIRE STORMWATER MAIN SYSTEM WITHIN ROONEY CIRCLE FOLLOWING THE REPAIR WORK. VERIFIED STRUCTURAL INTEGRITY AND OPERATIONAL FLOW OF ALL NEWLY INSTALLED AND EXISTING STORM LINES. WORK COMPLETED: 7/1/2025		

	Subtotal	442,710.63
	Sales Tax	
	Total Invoice Amount	442,710.63
Check No	Payment Received	0.00
	TOTAL	442,710.63

Shauger Property Services, Inc.
Property Construction Billing Report

DATE:	6/10/2025	DAY:	Tuesday
CLIENT:	TOWNSHIP OF WEST ORANGE		
C/O:	DEPARTMENT OF DPW		
CONTACT:	ZAYIBETH CARBALLO		
BILLING ADDRESS:	25 LAKESIDE AVENUE		
	WEST ORANGE, NJ 07052		
PROJECT NAME:	ESSEX GREEN		
LOCATION:	12 ROONEY CIRCLE, WEST ORANGE, NJ		
JOB NO.:	PC25-033	Email:	zcarballo@westorange.org
WORK COMPLETED:	7/1/2025	Phone:	973-325-4165
		Email:	

SCOPE OF WORK

\$ 442,710.63

RE: Emergency Response, Excavation, Repair, and Replacement Activities — Rooney Circle Stormwater Infrastructure Failure

Location: Rooney Circle, West Orange, NJ

Contractor: The Shauger Property Services, Inc.

In response to a major stormwater infrastructure failure at Rooney Circle in West Orange, NJ, The Shauger Property Services, Inc. mobilized to perform emergency excavation, repair, and replacement operations. The scope of work included deep trench excavation with timber shoring for trench protection, installation of high-density polyethylene (HDPE) storm piping, concrete reinforcement, and final paving to restore full stormwater system functionality.

Confined Space Setup & Inspection

Established a Confined Space Entry (CSE) protocol for safe access to a 26-foot-deep storm manhole.

Performed manned entry into the manhole to conduct an internal inspection.

Utilized a portable push camera system to inspect the storm line and confirm the location and extent of the pipe collapse.

Captured and submitted photographic evidence of the damaged pipe to the client for documentation and repair planning.

Following Day 1, Shauger began excavations to expose the damaged pipe, which included the construction of timber shoring trench protection. The excavation ultimately reached 26' deep throughout the excavation and included the presence of an 8-inch active gas main running through the trench.

Extra timber shoring was installed with extra caution and reinforcement to protect and support the existing gas utility. The presence of the high pressure gas main created the need for significant hand work throughout the excavation process.

Storm Pipe Replacement and Infrastructure Improvements

Primary Trench Work:

Upon exposing the damaged storm pipe, a 60-foot section was removed. The trench was then prepared for the installation of 160 linear feet (LF) of new 30-inch high-density polyethylene (HDPE) storm pipe, running from the manhole on Rooney Circle to the manhole located in the Cambria Hotel parking lot.

A portion of the new storm line was bored and sleeved to allow safe crossing beneath existing infrastructure. The sleeved section was fully encased in flowable fill concrete mix to enhance structural integrity and prevent future subsidence or collapse.

Once pipe installation was completed, Shauger backfilled the trench using certified Dense Graded Aggregate (DGA) material in 3-foot lifts. After backfilling to 8 inches below finished grade, the remaining timber shoring was removed, and the trench was paved with asphalt base course to match grade.

Secondary Trench Work:

An additional trench was excavated to access and remove a collapsed 12-inch storm main located between two catch basins. The failed section was replaced with new 18-inch HDPE storm pipe to increase capacity and improve system durability.

The trench reached a depth of approximately 8 feet and was subsequently backfilled and paved with asphalt base course to finished grade.

Conducted CCTV camera inspection and thorough cleaning of the entire stormwater main system within Rooney Circle following the repair work.

Verified structural integrity and operational flow of all newly installed and existing storm lines.

NOTES:	SUBTOTAL:	\$442,710.63
	EXTRA:	\$0.00
	SUBTOTAL:	\$442,710.63
	Plus 6.625% Sales Tax:	\$0.00
	TOTAL INVOICE	\$442,710.63

PREPARED BY:	PATTY
REVIEWED BY:	Matt
APPROVED BY:	 7/9/25