CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 1

DATE: **April 21, 2020**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **2020 Safe Routes to School Projects IFB-4786-20-DH**

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Q. In the bid schedule, item number 37 poly drain shallow trench drain 3.9". I need the manufacture's name and product number.

   A. See attached information.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Standard PolyDrain – 2519BAF
"River Wave"

Precast Trench Drain 4" ID w Uncoated Decorative Ductile Iron Grate & Coated Frame
Standard Specification

System ID#: PD 2519BAF River Wave

Trench drain shall be PolyDrain; manufactured by ABT, Inc., 259 Murdock Road, Troutman, NC - (800) 438-6057. www.abtdrains.com

System Components:

Precast Trench Drain - The precast trench shall be manufactured using polyester polymer concrete with the following material properties when tested:

Property	Test Method	Value
Compressive Strength	ASTM C579	14,000 psi Minimum
Bending Strength	ASTM C580	4,000 psi Minimum
Tensile Strength	ASTM C307	2,000 psi Minimum
Moisture Absorption	ASTM D570	0.1% Maximum
Chemical Resistance	ASTM C267	Pass
Freeze/Thaw w/o weight loss	ASTM C666	1600 Number of Cycles Minimum
Resistance to Fungi	ASTM G21	Zero (0) Rating Mold Growth
UL/ULC Listed- Flame Spread	UL-723	Class A

The trench consisting of 39.19" (1 meter) or 19.56" (1/2 meter) channels with nominal 6" (155mm) outside width, 4 " (100mm) inside width. Pre-sloped channels shall have a standard slope of 0.6% with radius bottom. Non-sloping channels must have written approval by engineer prior to installation. Channels shall have tongue and groove joints. Grate lock down slots shall have polyethylene vibration dampening inserts. All channels must have full length anchoring ribs for a positive mechanical lock with the surrounding concrete.

Sidewall Extensions – Sidewall extensions for channels may be used for hydraulic performance or to maintain the standard slope of 0.6% in greater trench run lengths. Sidewall extensions shall be composed of similar material and thickness as the channels and shall have tongue and groove joints.

Frame & Grate #2519BAF River Wave: Uncoated ductile iron grate with polymer coated frame conforming to ASTM A-536. Grates shall meet a minimum 494 psi proof load per AASHTO M-306 test modified by utilizing a 9" x 3" load plate and conform to the requirements of the Americans with Disabilities Act Handbook, Section 4.5.4. Frames shall be a minimum of .188" (4.77mm) thick. The frames shall have .25" dia. x 3" long (minimum) anchors spaced no more than 17" (431.8mm) on center. Frames shall be independent of the channels. Frames and grates shall seat into channels without rocking and shall be locked to the channel using a zinc plated steel 5/16 – 18 UNC bolt and zinc plated steel toggle bar system with a bolt torque of 10in/lb. Frames and grates shall be made in U.S.A., and shall conform to the FHWA's "Buy America" policy 23 CFR 635.410(b) and Federal Acquisitions Regulations (FAR) 52.225 "Buy American Act".

Submittals: A Certificate of Compliance in conformance with the provisions of these Standard Specifications shall be furnished to the Engineer. Grates shall be independently tested to AASHTO M-306.

Standard PolyDrain – Shallow

Precast Trench Drain 4" ID Shallow depth Channel
Standard Specification

System ID#: PD Shallow 3.1- or PD Shallow 3.9-

Trench drain shall be PolyDrain Shallow; manufactured by ABT, Inc., 259 Murdock Road, Troutman, NC - (800) 438-6057. www.abtdrains.com

System Components:

Precast Trench Drain - The precast trench shall be manufactured using polyester polymer concrete with the following material properties when tested:

Property	Test Method	Value
Compressive Strength	ASTM C579	14,000 psi Minimum
Bending Strength	ASTM C580	4,000 psi Minimum
Tensile Strength	ASTM C307	2,000 psi Minimum
Moisture Absorption	ASTM D570	0.1% Maximum
Chemical Resistance	ASTM C267	Pass
Freeze/Thaw w/o weight loss	ASTM C666	1,600 Number of Cycles Minimum
Resistance to Fungi	ASTM G21	Zero (0) Rating Mold Growth
UL/ULC Listed- Flame Spread	UL-723	Class A

The trench consisting of 39.19” (1 meter) channels with nominal 6” (155mm) outside width, 4 “ (100mm) inside width. Channels are non-sloping channels with flat bottoms. Channel depts. Are 3.1” (78.9mm) or 3.9” (99.1mm) as shown on plans. Channels shall have tongue and groove joints. Grate lock down slots shall have polyethylene vibration dampening inserts. All channels must have full length anchoring ribs for a positive mechanical lock with the surrounding concrete.

Frame & Grate: #: All PolyDrain grates or frame and grates will fit on PolyDrain Channels. Select grate or frame and grate from Standard PolyDrain selections.

Quality Assurance:

Submittals: A Certificate of Compliance in conformance with the provisions of these Standard Specifications shall be furnished to the Engineer. Grates shall be independently tested to AASHTO M-306.