

17172-18-01

Date: August 30, 2019

**VOLCANO SCHOOL OF ARTS AND SCIENCE
PHASE – 1 SITE IMPROVEMENTS****Addendum #1****RFI #1 and Responses:**

Question #1: No Bid Form found in the bid documents received. To prevent deviation from the intended lump sum price you are seeking please provide a Bid Form for the use of Bidders.

Response #1: The owner/project will not provide a bid form. Bidders may choose to use a bid form of their choice when submitting their bid

Question #2: It is viewed the scope of work to require bidding Contractors possess an “A” GENERAL ENGINEERING Contractor License. Please confirm to the bidders

Response #2: The bidder must provide their Hawaii State Contractor’s license number, classification and complete information. The owner/project will not provide any form of confirmation related to the Different Licensing Classifications of a Hawaii Contractors License required.

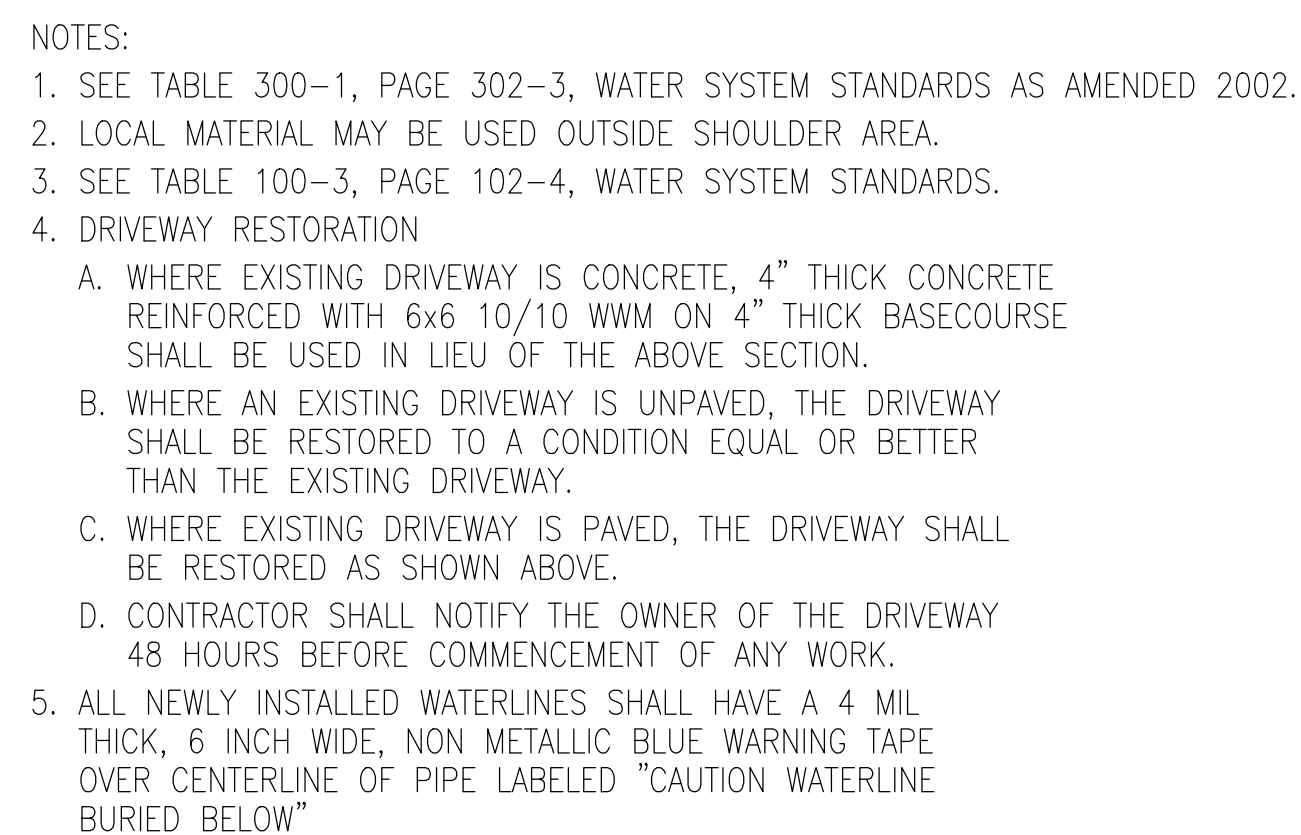
Question #3: Please provide a list of plan holders so we have access to all the contractors, subcontractors and vendors holding plans and specifications

Response #3: The owner/project will not provide any information on plan holders bidding on project.

Drawing Revisions

Sheet C-401: 4” DI and FDC not required to be constructed. Fire Hydrant standpipe location was adjusted, and horizontal control dimensional information to utilities were added to plans

Sheet C-003: Detail 5/C-003 removed from project. Fire hydrant standpipe detail revised



4 TRAFFIC RATED FRAME AND COVER



1. THIS TRENCH SECTION APPLIES TO FLEXIBLE PIPES INCLUDING SEWER, STORM DRAIN, AND WATER PIPES. FLEXIBLE PIPE MATERIAL INCLUDES COPPER, CMP, PVC, ABS, AND HDPE.
2. THIS TRENCH SECTION APPLIES TO PIPING WITHIN PRIVATE PROPERTIES ONLY.
3. BEDDING MATERIAL ABOVE PIPE SHALL BE 12" HIGH FOR GRANULAR MATERIAL AND 6" HIGH FOR CONCRETE. GRANULAR BEDDING SHALL BE COMPACTED TO 95% MAX. DRY DENSITY.
4. TRENCH BACKFILL SHALL BE 3" MINUS GRANULAR BACKFILL OR SUITABLE NATIVE MATERIAL NO LARGER THAN 6". TRENCH BACKFILL SHALL BE COMPACTED TO 95% MAX. DRY DENSITY.
5. TRAFFIC AREA SHALL INCLUDE BUT NOT BE LIMITED TO PAVED OR UNPAVED ROADWAY, SHOULDER, DRIVEWAY, CARPATH, PARKING, LOADING ZONE, STORAGE AREA AND AREAS NOT PROTECTED FROM TRAFFIC LOAD. NON-TRAFFIC AREA SHALL BE PROTECTED FROM TRAFFIC LOAD BY MEANS OF CONCRETE CURBS, GUARDRAILS, BARRICADE, AND AREAS INACCESSIBLE BY VEHICLES.
6. BEDDING MATERIAL FOR COPPER PIPE SHALL BE #4 SAND OR CONCRETE ONLY.
7. MIN. 6" WIDE WARNING TAPE IDENTIFYING THE BURIED UTILITY SHALL BE PLACED CONTINUOUSLY ALONG THE LENGTH OF THE PIPE JUST BELOW THE SUBBASE OR 12" BELOW THE SURFACE FOR UNPAVED AREAS. FOR METALLIC PIPE, TAPE SHALL BE NON-METALLIC. FOR NON-METALLIC PIPE, TAPE SHALL BE DETECTABLE BY STANDARD, NON-DESTRUCTIVE PIPE DETECTION METHODS.

DEPTH OF COVER IN FT.	TRAFFIC AREA	NON-TRAFFIC AREA
6" < COVER < 12"	NOT ALLOWED	ALLOWED FOR 6"Ø PIPE OR SMALLER ONLY WITH NO. 10 CRUSHED ROCK
12" < COVER < 18"	ALLOWED FOR 6"Ø PIPE OR SMALLER ONLY WITH CLASS "C" CONCRETE	NO. 10 CRUSHED ROCK (#4 SAND)
18" < COVER < 24"	CLASS "C" CONCRETE	NO. 10 OR NO. 67 CRUSHED ROCK
COVER > 24"	NO. 10 OR NO. 67 CRUSHED ROCK	NO. 10 OR NO. 67 CRUSHED ROCK

(FOR PRIVATE UTILITY PIPING ONLY)

2 CLEANOUT TO GRADE (C.O.T.G.)
SCALE: NOT TO SCALE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION,
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION

Yan Wen Fang
SIGNATURE

DETAILS

REV. /

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NOTE:

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PHASE 1 SITE IMPROVEMENTS FOR:
VOLCANO SCHOOL OF ARTS & SCIENCES:
KEAKEALANI CAMPUS DEVELOPMENT
VOLCANO VILLAGE, ISLAND OF HAWAII

DRAWN BY:	DESIGNED BY:
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CHECKED BY:	QC'D BY:
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JOB NO.
17172-18-01

DWG. NO.

C-003

SHEET NO. 4 OF 10