



Eastern Connecticut State University  
Willimantic, Connecticut 06226-2295

## HEAT PLANT SECONDARY PUMPS REPLACEMENT

Project: ECSU 2019-3

### ADDENDUM NUMBER 1

Date of Addendum: February 27, 2019

Bids Due: **2:00 P.M. on March 6, 2019** in the Purchasing Department, Third Floor, Room 344 of the Gelsi-Young Hall (Administration Building along High Street)

The following clarifications are applicable to Drawings and Specifications for the project referenced above:

#### **Request for Information:**

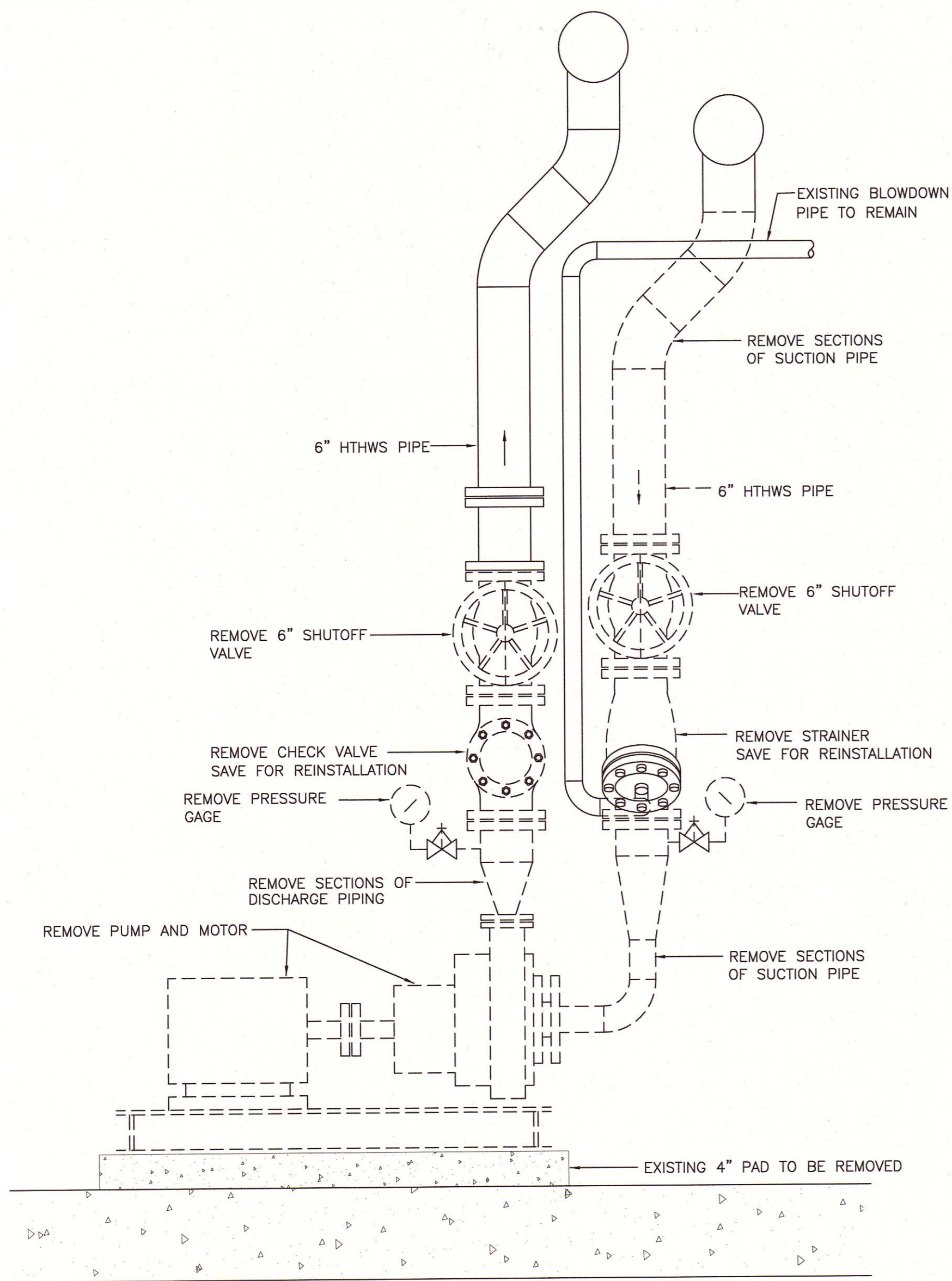
None were submitted.

#### **Addendum Items:**

- ITEM 1: The attached drawing M-2 shows revised configuration of the suction pipe connected to pumps.
- ITEM 2 **Specifications, Section 232113 hydronic piping:**
- a) Add paragraph 1.2 A.4 with the following wording: "Welding Certificates"
  - b) Add paragraph 1.4. B with the following wording:  
Pipe welding: qualify procedures and operators according to ASME Boiler and pressure Vessel Code: Section IX. Certify that each welder has passed AWS qualifications tests for welding processes involved and that certification is current.
  - c) Replace word "coil" with word "pump" in paragraph 3.4 A
  - d) Add paragraph 3.5 A.5. with the following wording:  
"All weld joints will be visually inspected and x-ray tested by the testing company hired directly by ECSU (owner's separate contract). A Radiographic method of testing (x-ray) will be used to verify quality of weld joints compliance with ASME Standard

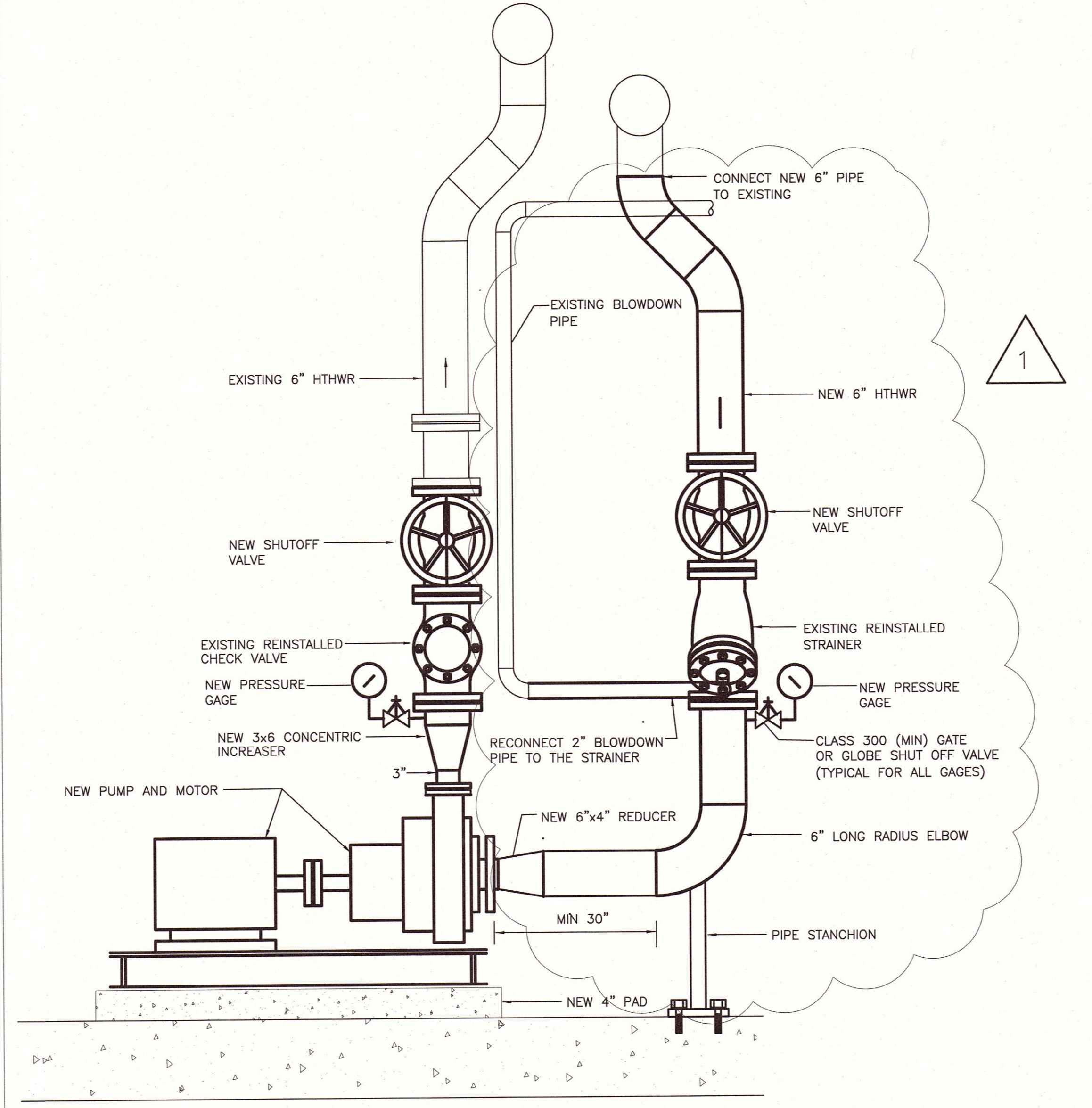
B31.1. The radiographic testing will be conducted according to ASME 5 and ASME1R.19. If any of the joints fails the test, additional radiographic testing will be ordered. Contractor will be responsible for covering cost of retesting of the failed joints.”

**END OF ADDENDUM #1**



**1 SECONDARY PUMP DEMOLITION**  
PUMPS P-4, P-5 & P-6

SCALE: NTS

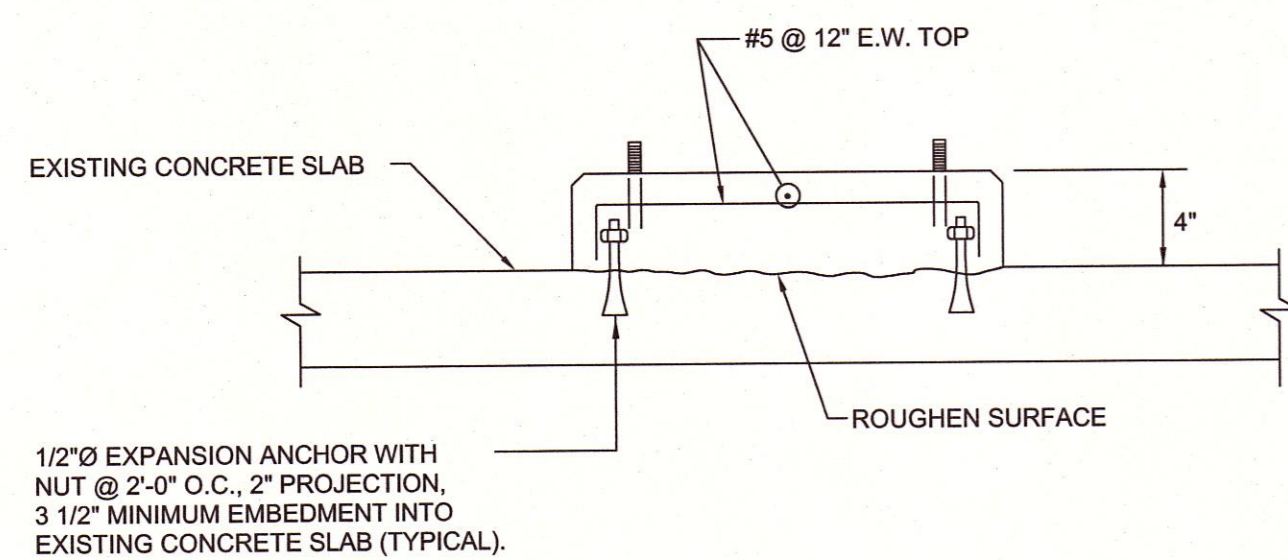


**1 SECONDARY PUMP REPLACEMENT & PIPING MODIFICATIONS**  
PUMPS P-4, P-5, & P-6

SCALE: NTS

**MECHANICAL LEGEND**

- HTHWS— HIGH TEMPERATURE HOT WATER SUPPLY PIPE (EXISTING)
- HTHWR— HIGH TEMPERATURE HOT WATER RETURN PIPE (EXISTING)
- HTHWS— HIGH TEMPERATURE HOT WATER SUPPLY PIPE (NEW)
- HTHWR— HIGH TEMPERATURE HOT WATER RETURN PIPE (NEW)
- BDL— BLOWDOWN LINE
- CW— DOMESTIC COLD WATER
- ← PIPE DOWN
- PIPE UP
- ⊗ SHUT-OFF VALVE (EXISTING)
- ⊠ CONTROL VALVE (EXISTING)
- ⊡ OS&Y VALVE (EXISTING)
- ⊢ CHECK VALVE (EXISTING)
- ⊥ FLANGE
- ⊕ UNION
- ex EXISTING



**TYPICAL EQUIPMENT PAD ON SUPPORTED SLAB**

NOT TO SCALE

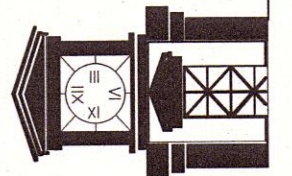
**PUMP SCHEDULE**

TAG	SERVICE	DESIGN POINT		MOTOR			REMARKS
		GPM	Δ P-FT	HP	RPM	V/PH	
P-4	PRIMARY HTHW	330	155	25	3600	208/3	RATED FOR MIN. 400 DEG F FLUID TEMPERATURE, AIR COOLED PUMPS
P-5	PRIMARY HTHW	330	155	25	3600	208/3	
P-6	PRIMARY HTHW	330	155	25	3600	208/3	

PUMP BASIS FOR DESIGN: DEAN PUMPS, SERIES RWA 4166 SIZE 3X4X8.5. IMPELLER 6.5" DIAMETER.

**EASTERN CONNECTICUT STATE UNIVERSITY**

Facilities Management and Planning  
83 Windham Street, Willimantic CT 06226



No.	Revision/Issue	Date
1	Revision	2/27/19

BUILDING: NORTH HEAT PLANT

PROJECT NAME:  
SECONDARY PUMPS REPLACEMENT

DRAWING NAME:  
MECHANICAL DETAILS AND EQUIPMENT SCHEDULE

Project No.:	ECSU-2019-3
Date:	2/8/2019
Scale:	AS NOTED
Drawing No.:	M-2

