

NOTE  
AS-1 & AS-2 MOUNTED  
ABOVE FLOOR W/  
STEEL SUPPORT LEGS

NOTE  
PROVIDE WATTS  
NO. 999 BACKFLOW  
PREVENTER  
CONN. TO EXIST.  
4" C.W.

CONN. TO  
EXIST. 6"  
C VALVE  
STATION

NOTE  
EXIST SHIP'S  
LADDER &  
PLATFORM  
MUST BE  
RE-CONFIGURED  
TO ALLOW CH-1  
CLEARANCE

GLYCOL PIPING  
IN EXIST. TRENCH  
TO NEW & EXIST.  
ICE STORAGE  
MODULES

NOTE  
LEC BLDG. PUMP SET  
BLDG. ATO VALVE &  
HX-4 ARE EXIST.  
RELOCATED ITEMS.  
(1) BABEL OF HX-4  
WILL BE DISCARDED  
TO MAKE A (3)  
BABEL HEAT  
EXCHANGER.

NOTE  
HX-3 & HX-4  
MOUNTED ON  
STEEL GRILLAGE

PART PLAN  
BELOW HX-4

EXIST. FUEL  
OIL TANK  
BELOW GRADE

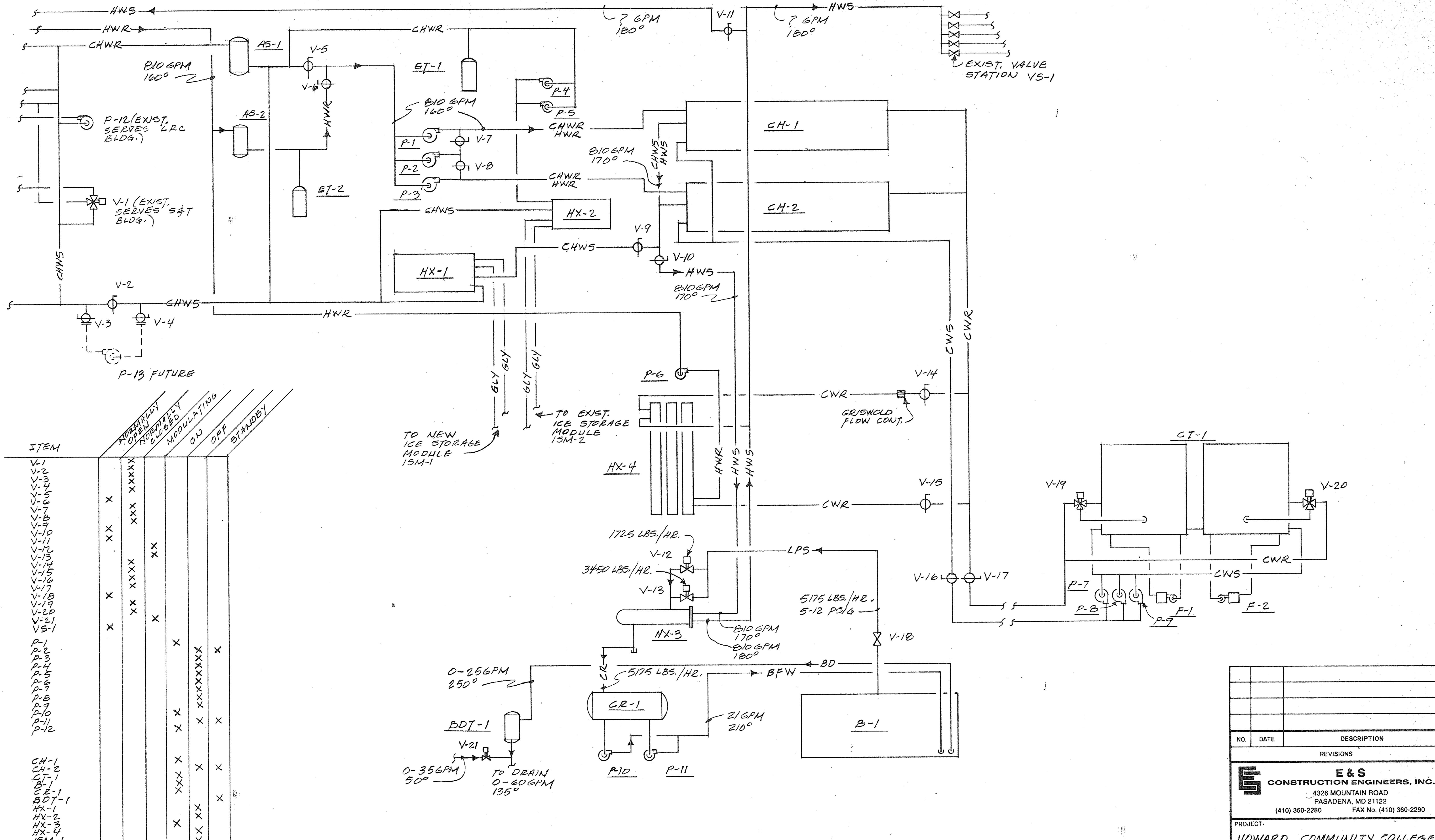
10" CWS & CWR  
BELOW GRADE TO  
NEW COOLING  
TOWER LOCATED  
ADJACENT TO  
EXIST. ICE  
STORAGE MODULE

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NO.	DATE	DESCRIPTION
REVISIONS		
<b>E &amp; S</b> <b>CONSTRUCTION ENGINEERS, INC.</b> 4326 MOUNTAIN ROAD PASADENA, MD 21122 (410) 360-2280 FAX No. (410) 360-2290		
PROJECT:		
HOWARD COMMUNITY COLLEGE COLUMBIA, MARYLAND		
TITLE:		
DATE	PROJECT NUMBER	DRAWING NUMBER
6-26-94	597	M-1
SCALE	DRAWN BY	CHECKED BY
AS NOTED		
LAST REVISION		





ITEM	NORMALLY OPEN	NORMALLY CLOSED	MODULATING	ON	OFF	STANDBY
V-1	X	X				
V-2						
V-3						
V-4						
V-5	X	X				
V-6						
V-7	X	X				
V-8						
V-9						
V-10	X	X				
V-11	X	X				
V-12						
V-13						
V-14						
V-15						
V-16						
V-17						
V-18	X	X				
V-19	X	X				
V-20						
V-21	X	X				
VS-1						
P-1			X			X
P-2			X			X
P-3			X			X
P-4			X			X
P-5			X			X
P-6			X			X
P-7			X			X
P-8			X			X
P-9			X			X
P-10			X			X
P-11			X			X
P-12			X			X
CH-1			X			X
CH-2			X			X
CT-1			X			X
CR-1			X			X
BDT-1			X			X
HX-1			X			X
HX-2			X			X
HX-3			X			X
HX-4			X			X
ISM-1			X			X
ISM-2			X			X
F-1			X			X
F-2			X			X

**SCHMATIC FLOW DIAGRAM  
HEATING OPERATION**

NO.	DATE	DESCRIPTION

REVISIONS

**E & S**  
CONSTRUCTION ENGINEERS, INC.  
4326 MOUNTAIN ROAD  
PASADENA, MD 21122  
(410) 360-2280 FAX No. (410) 360-2290

PROJECT: **HOWARD COMMUNITY COLLEGE  
COLUMBIA, MARYLAND**

TITLE:

DATE	6-29-94	PROJECT NUMBER	597	DRAWING NUMBER
SCALE	NONE	DRAWN BY		M-3
LAST REVISION		CHECKED BY		

