Drawing: K:\VP0\2013\2013013 \A Fresno Chilled Water System\DRAWINGS\LHA-FLS\LHA-FLS Chiller Plant Upgrade\Phase 1 revised CD 2013-10-30.DWG
Xrefs: MAS-BSBD-PHALOWE, MAS22-BWLOWE, MAS22-PAVLOWE, HVAC2-MAILOWE,

(E) BOILER ROOM
BLDG. 2

EQUIPMENT ROOM

(E) CHILLERS
BLDG. 22

(E) CHILLER ROOM

SEE 22-MD-101
FOR CONT.

(D) 2 1/2" HPS
& 1" HPR

PIPING BELOW GRADE

(D) 3" CHS
& CHR

(D) 1 1/2" STEAM
ABOVE GRADE TO
SANI-PAC

(E) CONDENSER
WATER PUMPS

(E) RO SYSTEM

DEMO (E) HEAT
EXCHANGER AND
(E) PUMPS, COMPLETE

(E) WATER TREATMENT
SYSTEM FOR BOILERS,
AND COOLING TOWER
SERVING (E)CH-1 AND
(E)CH-2 TO REMAIN

(E) 2 1/2" HPS
UP TO MEZZANINE

(E) SECONDARY
CHILLED WATER
PUMPS

(E) 3" HPR

(E) 3"
CHS
AND
CHR

(E) BUTTERFLY
VALVE

(D) 10" CWR
UP TO ROOF

(D) CHILLED
WATER PUMP

(D) CONDENSER
WATER PUMP

(D) 10" CWS
UP TO ROOF

(E) EXHAUST
DUCT

REMOVE (E) CHW PUMP

RELOCATE (E) CH-3
AND (E) CH-4
COOLING TOWER
CHEMICAL TREATMENT
SYSTEM AND CONTROL
SYSTEM, COMPLETE.
SEE 22A-MS-102

(E) CHS TO
(E) BLDG 31

(E) JOHNSON
CONTROLS
WORKSTATION

CAP
(E) PIPE

(E) CHILLER 1

(E) CHILLER 2

(E) FAN
COIL

(D) CHILLER 3

16x16 EA

RELOCATE (E) CH-4
(YORK CENTRIFUGAL
CHILLER), 560 TONS,
SEE 22A-MS-102

(E) METASYS
CONTROL
PANEL

(D) WELL
WATER PIPE

(E) PRIMARY
CHILLED WATER
PUMPS

CAP PIPE
INSIDE (E)
CHILLER ROOM

REMOVE (E) FAN COIL COMPLETE

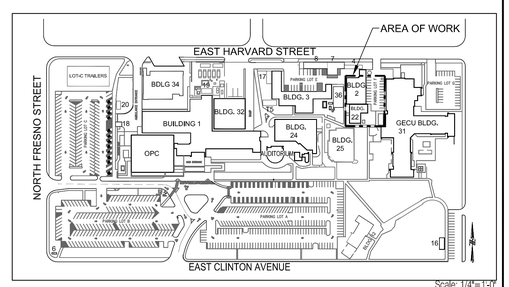
(D) 16x16 UP TO REF-3

(E)10"CHS

(E)10"CHR

(E) 10" CHILLED
WATER PIPES DOWN
TO TUNNEL

SHEET NOTE

ALL COMPONENTS RELATED TO (E) CHILLER #4 MUST STAY OPERATIONAL UNTIL NEW CHILLER #3 IS INSTALLED, TESTED, AND OPERATING WITHOUT ISSUE.

KEY MAP