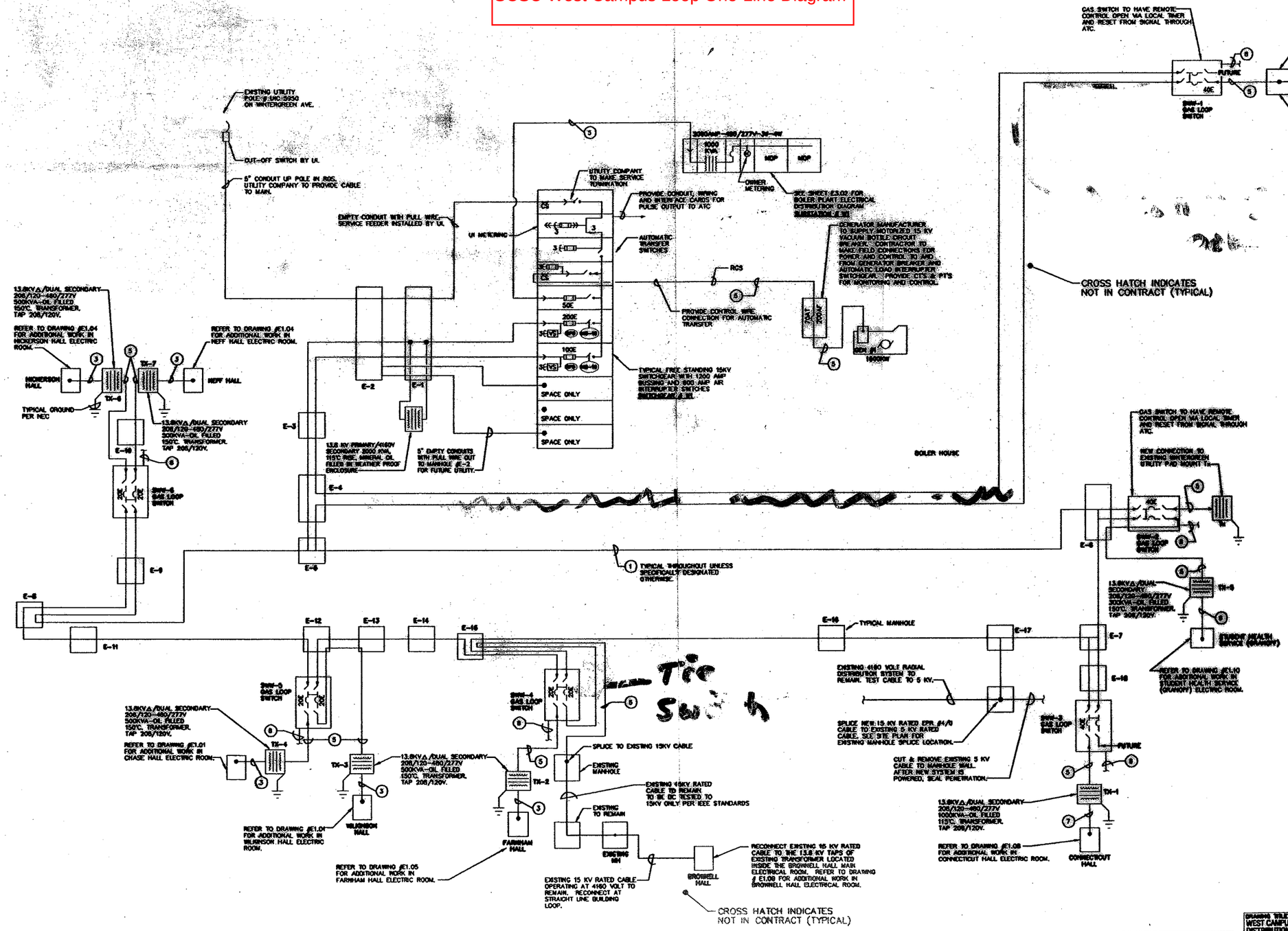
SCSU West Campus Loop One-Line Diagram

Attachment O



GENERAL NOTES

1. ALL SPLICES, TAPS, CONNECTORS AND NECESSARY EQUIPMENT AND ACCESSORIES FOR A COMPLETE NEW ELECTRICAL DISTRIBUTION SYSTEM TO BE PROVIDED BY THE CONTRACTOR.
2. CONTRACTOR TO MAKE ALL TEMPORARY CONNECTIONS AND MAINTAIN TWO SERVICES DURING THE ENTIRE CONSTRUCTION PROCESS UNTIL ALL LOADS ARE FED FROM THE NEW ELECTRICAL DISTRIBUTION. AT SUCH TIME ALL EXISTING UNDERGROUND ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF.
3. LOOP 15 KV FEEDERS THROUGH ELECTRICAL MANHOLE TO ALLOW FOR FUTURE NEW SPLICES.

DRAWING NOTES

1. ALL NEW MEDIUM VOLTAGE CABLE TO BE 15KV, 133% INSULATION, 133 CONDUCTOR, 3/C, 1/0 GROUND WIRE, ACCEPTABLE RATED ETHYLENE.
2. SEE UTILITY RFP PLAN FOR APPROXIMATE LENGTHS OF NEW CABLE. ALL CABLING TO BE STANDARD UNLESS EXISTING ROUTING CONFLICTS WITH NEW WORK.
3. 6 SETS OF 4 #500 KCMIL.
4. 4 SETS OF 4 #500 KCMIL.
5. 3 #2 EPR 15KV CONDUCTORS + 1 #2 GROUND.
6. 3 SETS OF 4 #300 KCMIL.
7. 6 SETS OF 4 #500 KCMIL.
8. 1" CONDUIT TO NEAREST BUILDING FOR BMS LOOP SWITCH MONITORING.

LEGEND

EXISTING _____

NEW _____

NOTE:
REFER TO DRAWINGS
MEP1.01 THRU MEP1.05
FOR ADDITIONAL INFORMATION

AS-BUILT DRAWINGS
9/05/06

21-00-151

WEST CAMPUS ELECTRICAL DISTRIBUTION DIAGRAM

NOT TO SCALE

DRAWING TITLE: WEST CAMPUS ELECTRICAL DISTRIBUTION DIAGRAM			STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS				
MARK	DATE	DESCRIPTION	DRAWING PREPARED BY	DATE 10/23/01
1	9/9/06	UTILITY LOCATION		DRAWN B.T.S.
			PROJECT TITLE: SOUTHERN CONNECTICUT STATE UNIVERSITY NEW HAVEN, CT	CHECKED BY KV/MB
				APPROVED BY GVO
			PROJECT NO. 98-RS-216	DRAWING NO. E3.01