

The United Illuminating Company

**Development and Management Plan
for the Modification of Hawthorne Substation**

Petition No. _____

October 30, 2014

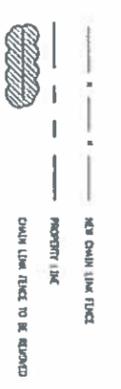
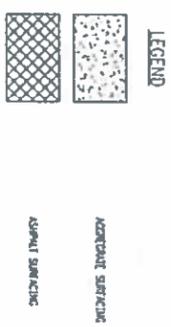
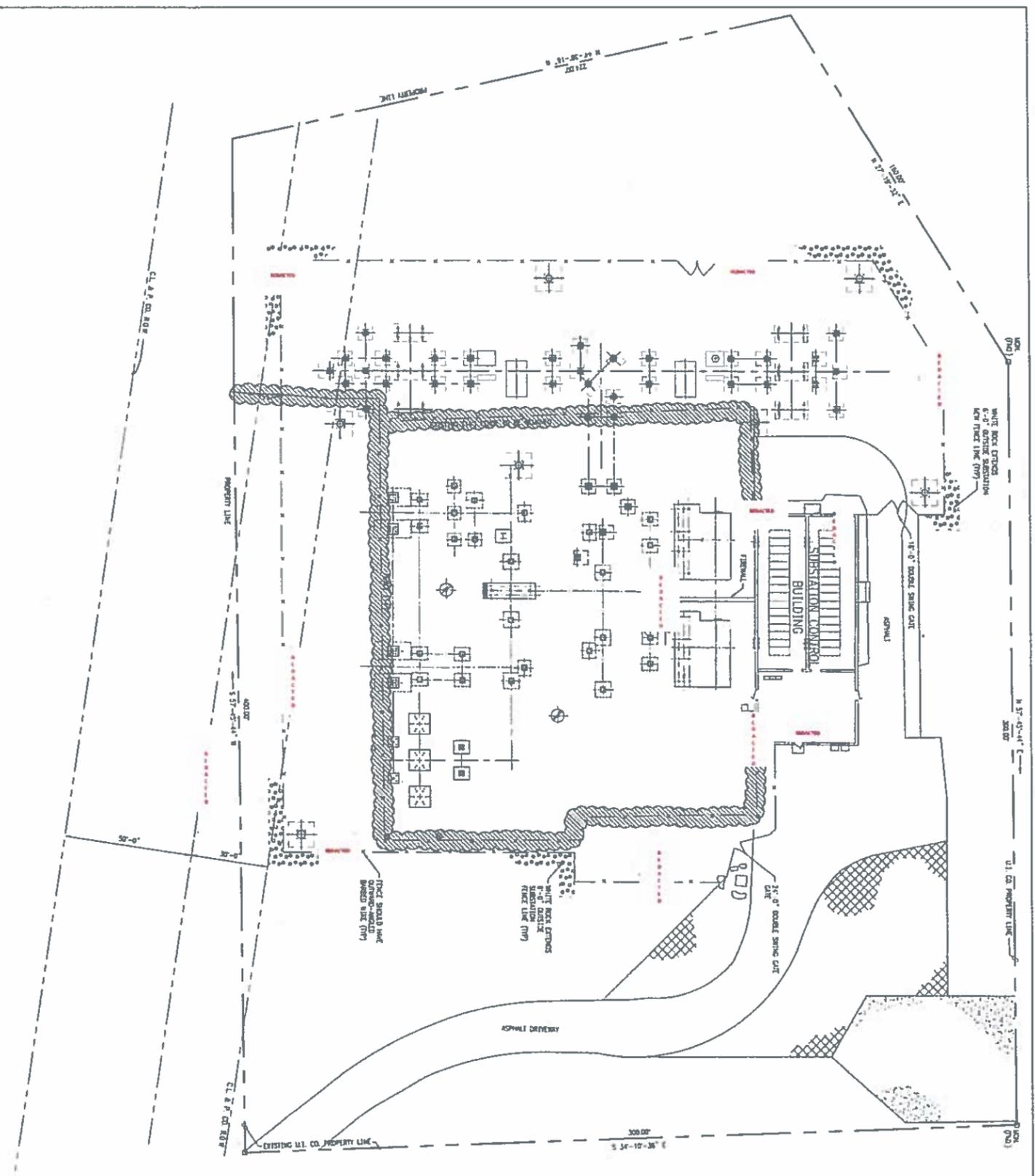


Development and Management Plan for Hawthorne Substation – Fencing and Security Improvements

The Hawthorne Substation has an existing security system designed to prevent intrusion for sabotage and/or vandalism. The site has a barbed wire perimeter fence with locked gates, and there are outdoor camera and motion detection systems to alert UI Security Officers of intruders. The perimeter and yard fence are examined on a monthly basis for damage or deterioration by UI employees as part of routine substation inspections.

The existing control and switchgear building utilizes card readers at each entrance, with access credentials granted only to a select group of UI employees. Sensors on all of the doors notify the UI security officer of unauthorized opening of doors, and there are internal motion detectors that identify activity inside the building.

The exterior fence line on the west and south of the substation yard will be extended to accommodate the addition of the two 115 kV capacitor banks. The exterior fence line on the east will be replaced and will incorporate a new angled drive gate for large equipment access. The new fence to be installed at the substation will incorporate additional outdoor cameras and motion detection systems. These systems will be integrated into the existing security system. New cameras will also be installed internal to the existing control building to monitor critical assets. The existing security features and proposed modifications are shown on the attached drawings 25242-427C & 25242-404A.



REFERENCE DRAWINGS

OPERATION PLAN	2323-423 & 424
SECTION AND DETAILS	2323-424 & 428
CONSTRUCTION PLAN	2323-414
SOIL PROTECTION CONTROL PLAN	2323-425A

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

BLACK & VEATCH
Engineering & Construction

PROJECT	22	DATE	03
CHECKED		DATE	
DESIGNED		DATE	
APPROVED		DATE	



NEW DRAWING

No.	Date	Revision

The United Illuminating Company

Drawn	CHD	Date	9/3/2014	Scale	1"=20'
Design Eng.		Design Eng.		Design Supr.	

SECURITY SITE PLAN

HAWTHORNE SUBSTATION

DATE	2014-09-03	SCALE	1"=20'
PROJECT NO.	2323-414	SHEET NO.	2323-425A

