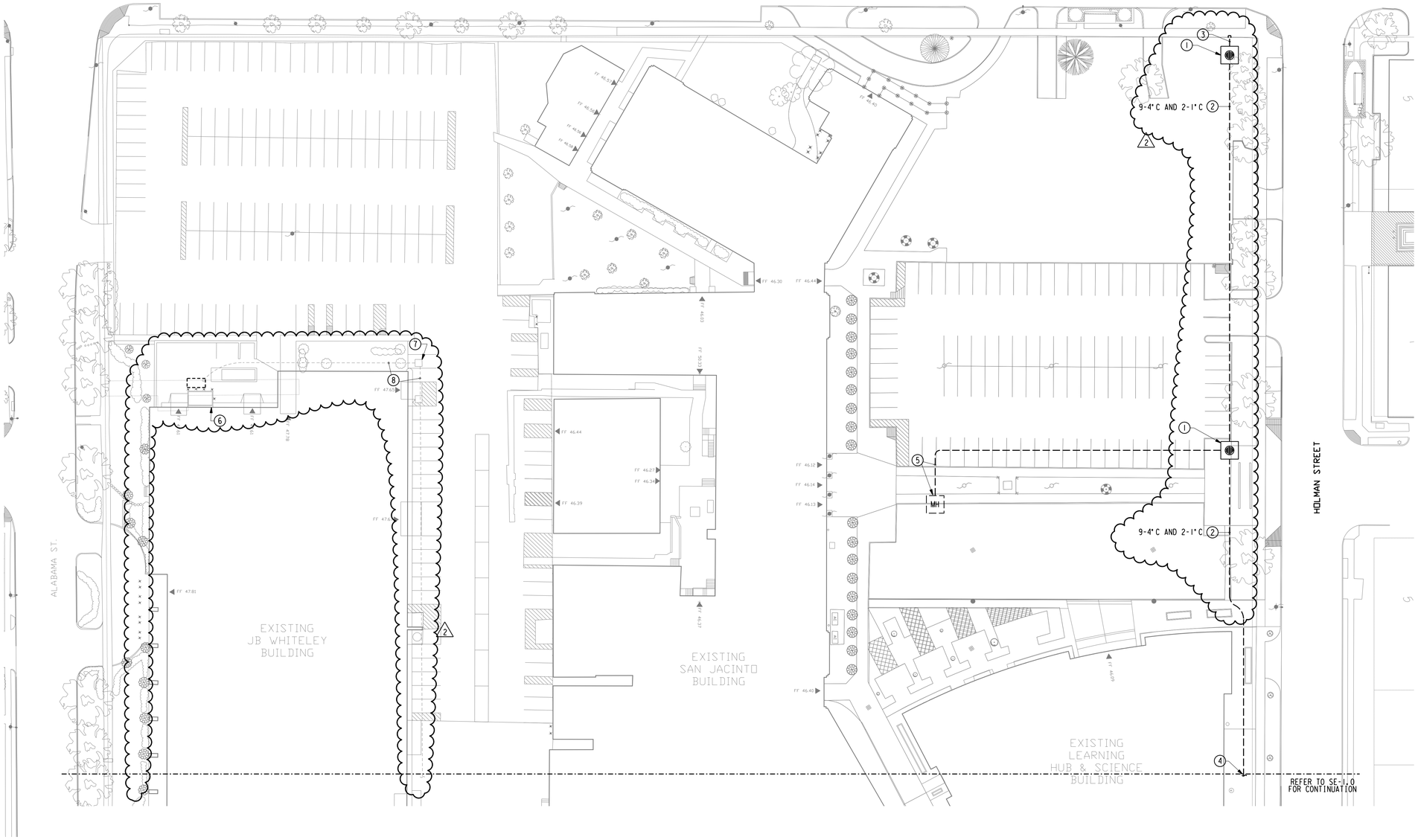

1 ELECTRICAL PLAN

SCALE: 1" = 30'-0"

4. EXTEND EXISTING DUCK BANK INSTALLED IN THE AUSTIN DUCK BANK PACKAGE. REFER TO SE-1.0.
5. SPARE 1" EC. TIE INTO EXISTING BELOW GRADE PULL BOX.
6. EXISTING 2500 KVA UNIT SUB STATION TRANSFORMER WITH FANS AND PRIMARY LOAD INTERRUPTER SWITCH WITH SPADE TERMINALS AND STRESS CONES TO BE REEFED.
7. EXISTING 15 KV PULL BOX.
8. TWO EXISTING 4" CONDUITS ONE WITH EXISTING 4/0 15 KV FEEDER AND ONE SPARE. CLEAN SPARE 4" C AND PULL NEW FEEDER IN CONDUIT. REFER TO SE-2.0 FOR FEEDER SIZE. TEST AND TERMINATE NEW FEEDER PRIOR TO REMOVING EXISTING FEEDER.

GENERAL NOTES:

A. RE: EQ.0 FOR ADDITIONAL GENERAL NOTES SYMBOLS AND ABBREVIATIONS.

B. PRIOR TO TRENCHING COORDINATE LOCATION OF EXISTING UTILITIES WITH HCC AND CIVIL ENGINEER.

C. SCHEDULE ALL REQUIRED DOWN TIME TO BACK FED EXISTING LOADS WITH HCC.

D. REFER TO CIVIL DRAWING PACKAGE FOR PLAN AND PROFILE DRAWINGS FOR ADDITIONAL.

E. MAINTAIN MINIMUM SEPARATION OF 1'-0" BETWEEN NEW ELECTRICAL AND EXISTING COMMUNICATION DUCT BANK.

F. ALL ELECTRICAL WORK AND EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 100 2011 NEC.

DRAWING NOTES:

1. NEW ELECTRICAL FOUR WAY 10'-9" X 10'-9" X 6'-6" TYPICAL TO OLDCASTLE 1010FM78 EQUAL. REFER TO SE-2.0 FOR MANHOLE DETAIL FOR ADDITIONAL REQUIREMENTS.
2. CONCRETE ENCASED DUCK BANK, REFER TO SE-2.0 FOR TYPICAL SECTION. TOP OF DUCK BANK MINIMUM 36" BELOW GRADE.
3. INSTALL COUPLING ON END OF CONDUIT FLUSH WITH END OF DUCK BANK AND INSTALL REMOVABLE CAPS ON CONDUITS. ALSO EXTEND DUCK BANK REBAR 12" PAST END OF DUCK BANK TO ALLOW FOR FUTURE EXTENSION.

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53019
REGISTERED PROFESSIONAL ENGINEER

Thomas Beuke

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Date: 2012.11.21 13:31:08 -06'00'

TX Firm Registration No: F-003068

Issue/Revision:

REV	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	10/19/12	MHS
1	PERMIT REVISIONS	11/01/12	MHS
	ISSUED FOR BID	11/11/12	MHS
1	ADDENDUM #1	11/26/12	MHS

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Contract No.:		E&C Project No.:	2990.00
Drawn By:	MHS	Date:	2011-07-11
Checked By:	TJB	Date:	2011-07-11
Approved By:	MHS	Date:	2011-07-11

Ownership of Instruments of Service:
All reports, plans, specifications, computer files, field data, notes & other documents and instruments prepared for Houston Community College as instruments of service shall become the property of Houston Community College. Houston Community College shall gain all common law, statutory and other reserved rights, including the copyright thereto.

Electrical Plan

Scale:

SE-1.1

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11/21/2012