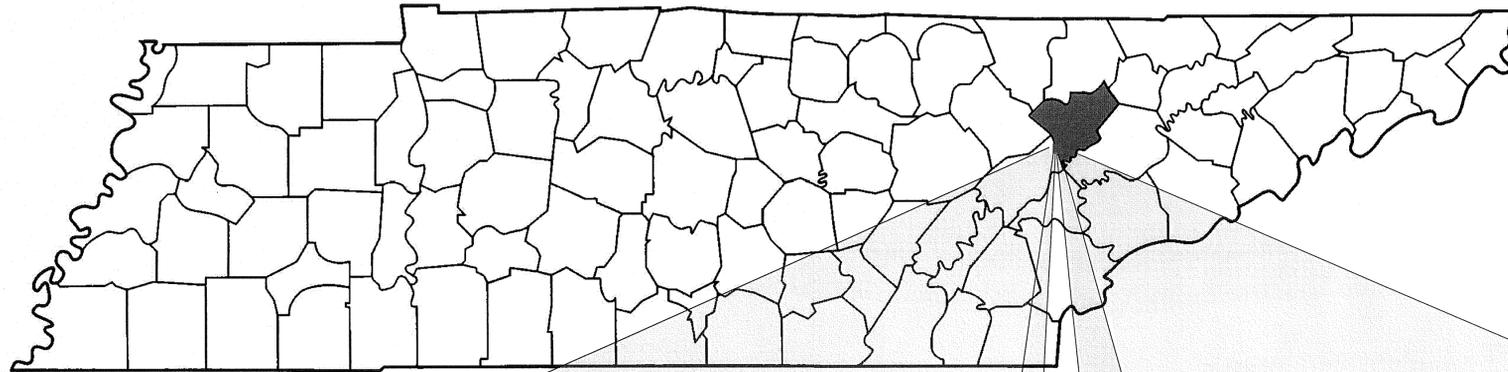




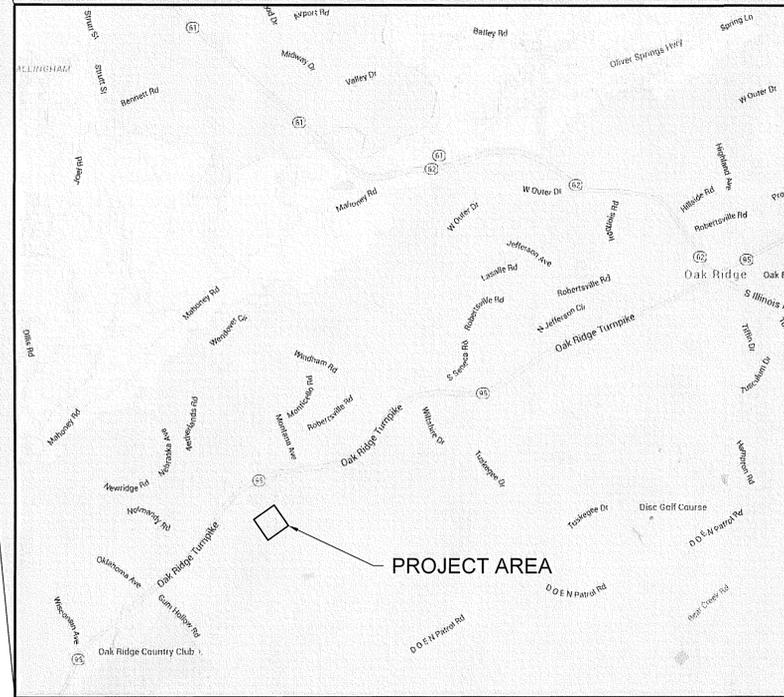
# CITY OF OAK RIDGE

OAK RIDGE, TENNESSEE  
WWTP SWITCHGEAR REPLACEMENT  
JUNE 2016



AERIAL MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

## DRAWING INDEX

- GENERAL
  - G1.0 COVER SHEET
- ELECTRICAL
  - E1.0 SITE PLAN ELECTRICAL
  - E1.1 FEEDER DIAGRAMS

## PROJECT TEAM

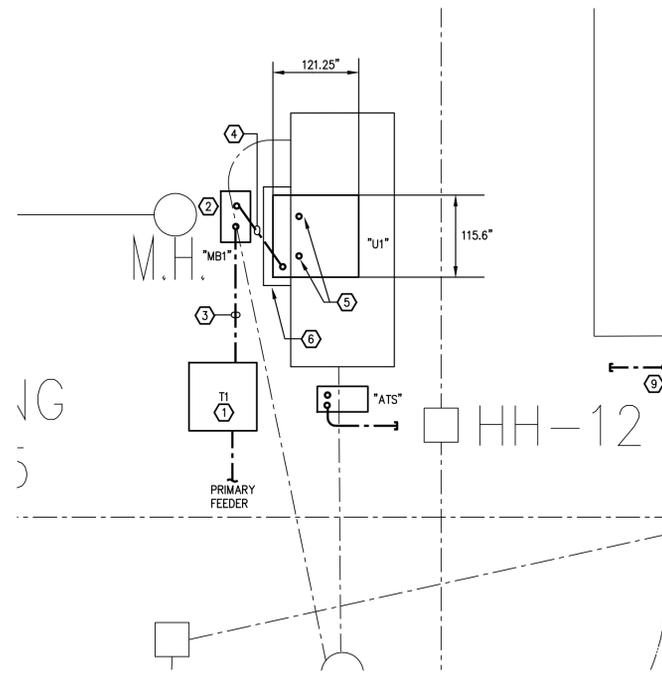
MECHANICAL / ELECTRICAL / PLUMBING  
**WEST, WELCH, REED**  
 5417 BALL CAMP PIKE  
 KNOXVILLE, TN 37921  
 865.588.2431

## SIGNATURES



**FRIST**

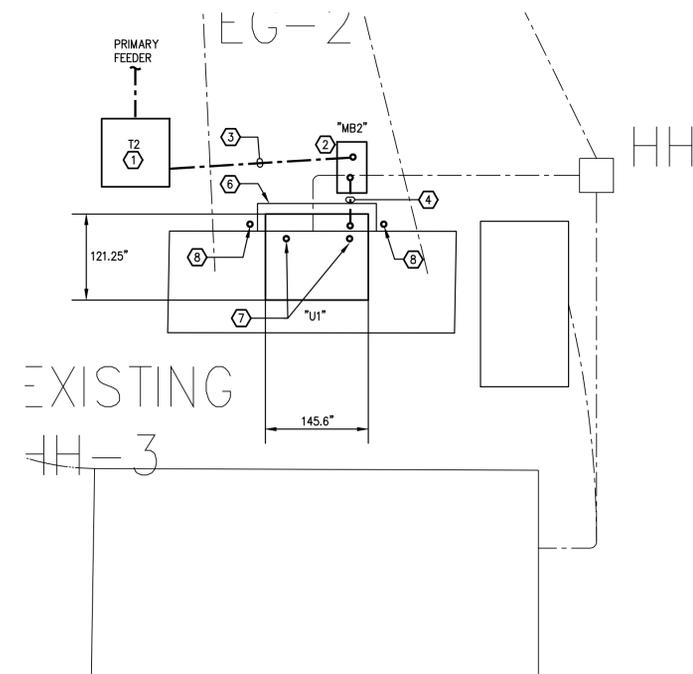
ONE VANTAGE WAY, SUITE C-130 NASHVILLE, TN 37228 615.823.4008



**ENLARGED U1 PLAN - ELECTRICAL**

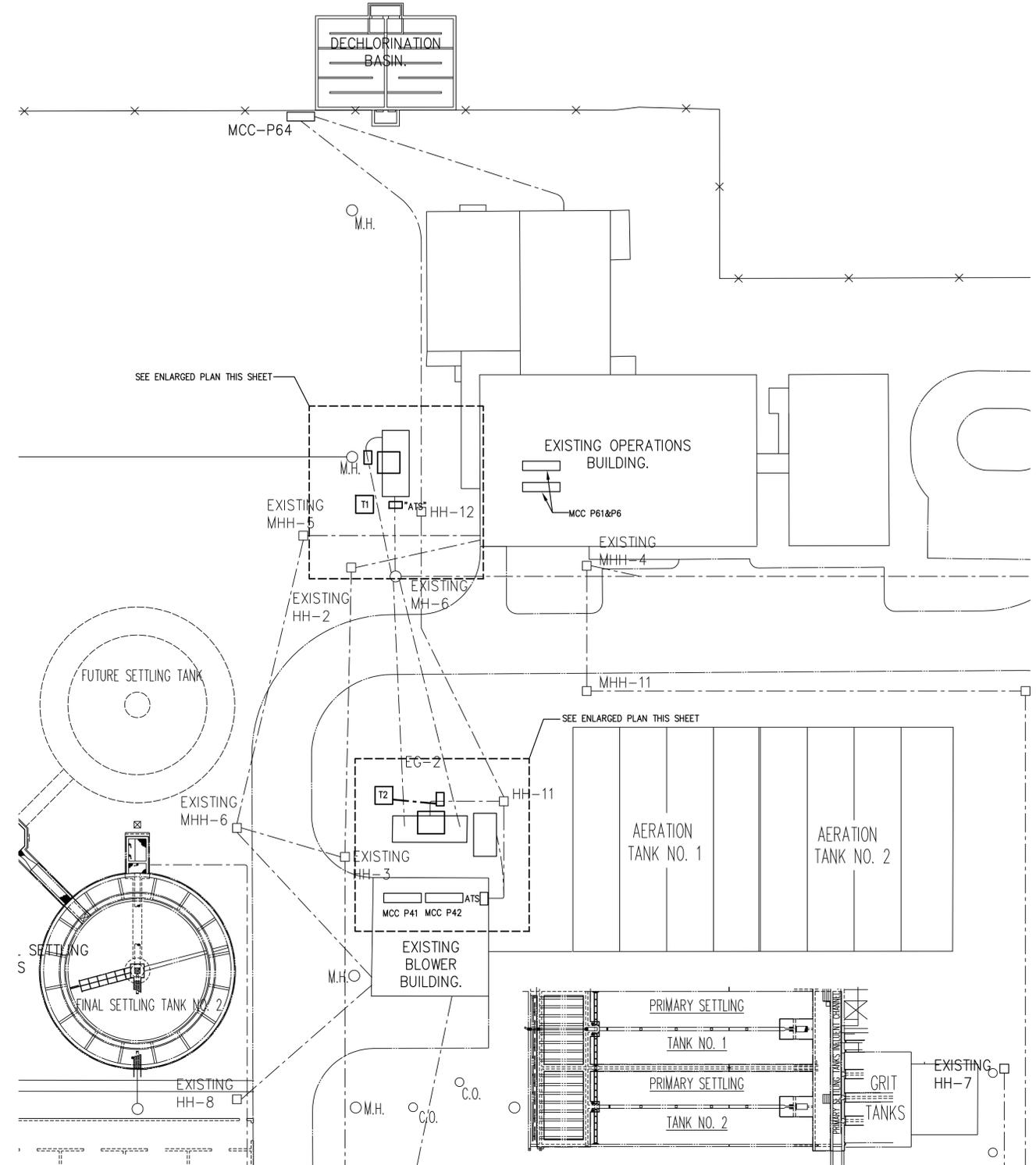
SCALE: 1"=10'-0"

- DRAWING NOTES:**
- 1 LOCATION OF NEW PAD MOUNTED TRANSFORMER PROVIDED AND INSTALLED BY UTILITY CO.
  - 2 LOCATION OF NEW MAIN BREAKER PROVIDED AND INSTALLED BY UTILITY CO.
  - 3 LOCATION OF NEW UNDERGROUND SECONDARY INSTALL IN CONDUITS PROVIDED. SEE FEEDER DIAGRAM
  - 4 INTERCEPT EXISTING LOAD SIDE CONDUITS FROM MAIN BREAKER AND EXTEND TO NEW LOCATION OF "U1" MAIN BREAKER.
  - 5 INTERCEPT EXISTING LOAD SIDE CONDUITS FROM EXISTING MCC P61 AND P62. EXTEND TO NEW BREAKERS IN "U1". SEE FEEDER DIAGRAM.
  - 6 EXTEND EXISTING CONCRETE PAD TO ACCOMMODATE NEW "U1" SWITCHGEAR. PROVIDE CONDUIT WINDOWS IN PAD SUCH THAT EXISTING FEEDERS CAN BE RECONNECTED. EXTEND PAD MINIMUM 12" LARGER THAN THE SIZE OF THE GEAR. PAD SHALL BE MINIMUM 12" THICK WITH STEEL REINFORCING.
  - 7 INTERCEPT EXISTING LOAD SIDE CONDUITS FROM EXISTING MCC P41 AND P42. EXTEND TO NEW BREAKERS IN "U2". SEE FEEDER DIAGRAM.
  - 8 INTERCEPT EXISTING LOAD SIDE CONDUITS FROM EXISTING MCC P44 AND DIGESTER MCC. EXTEND TO NEW BREAKERS IN "U2". SEE FEEDER DIAGRAM.
  - 9 STUB OUT 2-1" FROM EXISTING BUILDING FOR FUTURE GENERATOR BATTERY CHARGER, WATER JACKET HEATER AND CONTROLS.



**ENLARGED U2 PLAN - ELECTRICAL**

SCALE: 1"=10'-0"



**SITE PLAN - ELECTRICAL**

SCALE: 1"=30'-0"



DRAWN BY: **RAC**  
 APPROVED BY: **RAC**

DATE	ISSUE
06/2016	BIDDING

**WWR ENGINEERS INC.** 5417 Ball Camp Pike  
 Knoxville, Tn 37921  
 Phone: (865) 588-2431  
 Fax: (865) 588-2434  
**West, Welch, Reed Engineers, Inc.**  
 WWR PROJECT# 115068

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