



NOTES:

1. ALL APPARATUS (TRANSFORMERS, BREAKERS, SWITCHES, ETC.) SHALL HAVE TWO SEPARATE CONNECTIONS TO GROUNDING GRID.

2. TRANSFORMER CONNECTIONS TO THE GROUNDING GRID SHALL BE PARALLEL 4/0 BARE COPPER.

3. GROUNDING GRID SHALL BE BURIED A MINIMUM OF 24".

4. MAINTAIN A MINIMUM 1' SEPARATION BETWEEN GROUNDING GRID CONDUCTORS AND ANCHOR RODS.

5. SWITCH OPERATOR PLATFORMS SHALL BE LOCATED ON THE SAME SIDE OF SWITCH AS OPERATING HANDLE.
6. TEST EACH ROD PRIOR TO CONNECTION TO THE GROUNDING GRID. EACH 20' ROD SHOULD READ 36 OHMS OR LESS. EACH 30' ROD SHOULD READ 20 OHMS OR LESS. IF READING EXCEEDS THESE VALUES, CONTACT THE ENGINEER.

7. INSTALL 2/0 CU GROUND CONDUCTOR INSIDE TRENCH. BOND THIS CONDUCTOR TO GROUNDING GRID AT EACH CROSSING.

8. GROUNDING GRID MUST BE INSTALLED BEFORE THE OIL CONTAINMENT SYSTEM. GROUNDING GRID SHALL BE BONDED TO REINFORCING MESH IN CONCRETE BASIN. SEE DETAIL NO. 1, DWG. 140-4065, OC3 OF 3.

LEGEND

- 4/0 AWG. S.D. BARE COPPER (312)

2/0 AWG. S.D. BARE COPPER (313)

#2 S.D. TINNED COPPER (314)

GRID CONNECTORS: BURNDY TYPE (606),(607),OR (608)

5/8" DIA. COPPERWELD GROUND RODS, TWO 12' SECTIONS (315)

5/8" DIA. COPPERWELD GROUND RODS, THREE 12' SECTIONS (315)

PIGTAILS TO BE TERMINATED BY OTHERS
- SWITCH OPERATOR PLATFORM (4)

NEW FOUNDATIONS/POLES

FUTURE FOUNDATIONS

EXISTING TRANSMISSION POLE

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JOHN H. WIDFIELD,  
16885, ON 3/8/96.  
THIS MEDIA SHOULD  
NOT BE CONSIDERED A  
CERTIFIED DOCUMENT

NO.	REVISIONS	DATE

DWN. B.A.B.  
CKD. J.H.W.  
SCALE 3/32"=1'-0"

DATE 03/08/96  
APPD. J.H.W.

DWG. NO.  
140-4065  
GP1 OF 2

GREENVILLE UTILITIES COMMISSION  
GREENVILLE, NORTH CAROLINA

PROCTER & GAMBLE  
115 TO 15 kV SUBSTATION  
GROUNDING PLAN