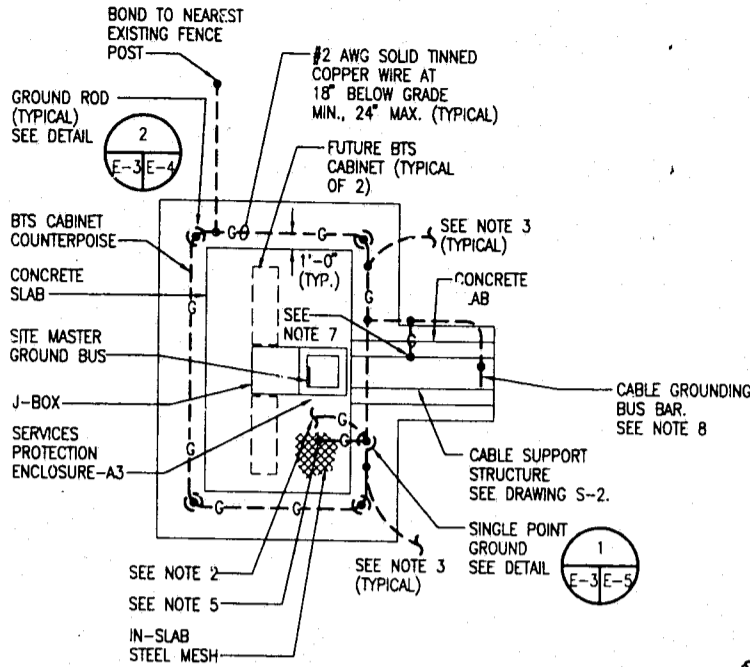


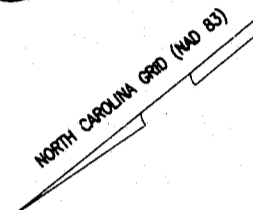
NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.
2. ROUTE #2/0 BARE STRANDED COPPER GROUND WIRE THRU 1 1/2" PVC CONDUIT TO SERVICES PROTECTION ENCLOSURE-A3. CONNECT TO SITE MASTER GROUND BUS, SEE DRAWING E-2.
3. CONNECT TO EXISTING TOWER COUNTERPOISE WITH EXOTHERMIC WELD.
4. MINIMUM SPACING BETWEEN GROUND RODS 5'-0".
5. CADWELD COPPER WIRE TO STEEL MESH USING CADWELD TYPE FT CONNECTIONS.
6. GROUND CONDUCTOR BENDS SHALL NOT BE LESS THAN 8" RADIUS.
7. PROVIDE GROUND WIRE FOR FUTURE CONNECTION TO CABLE SUPPORT STRUCTURE.
8. THE CABLE GROUNDING BUS BAR IS TO BE PROVIDED BY THE CONTRACTOR. 10' OF GROUND WIRE FOR THE SHALL BE COILED UP FOR FUTURE CONNECTION TO THE CABLE GROUNDING BUS BAR.
9. WHEN BTS CABINET OR MONOPOLE COUNTERPOISE IS WITHIN THREE (3) FEET OF GATE, BOND GATE POST DIRECTLY TO COUNTERPOISE WITH #2 AWG SOLID TINNED COPPER WIRE AND OMIT GATE POST TO GATE POST GROUND WIRE.



SITE GROUNDING PLAN

SCALE: 1/8" = 1'-0"



ELECTRICAL LEGEND	
---	UNDERGROUND CONDUIT
-G-	GROUND CABLE RUN BELOW GRADE
⊙	10" X 3/4" DIAMETER COPPER CLAD, STEEL GROUND ROD
-G-⊙-G-	EXOTHERMIC CONNECTION OF GROUND CABLE TO GROUND ROD
-G-⊙-G-	SUBGRADE GROUNDING CABLE TO CABLE CONNECTION USING EXOTHERMIC PROCESS.

ISSUED FOR PERMITTING, BIDS AND OTHER REVIEW		REV	BY
A	6/19/98	AA	AA
NO.	DATE	REVISION DESCRIPTION	BY
			CCO

BELLSOUTH Carolinas PCS, L.P.

09-368-107-A

SITE GROUNDING PLAN

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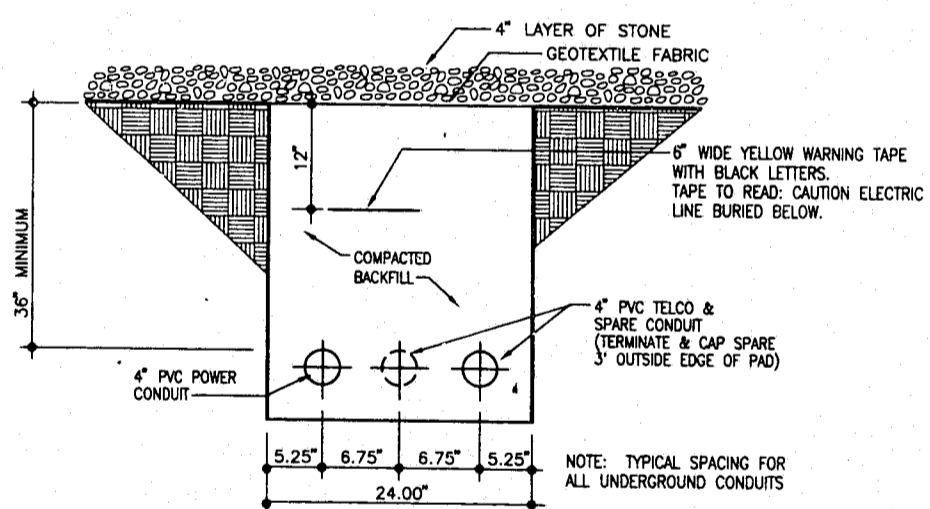
Piedmont Osen Hensley

2301 Ramoths Drive
Post Office Box 31363, Raleigh, NC 27622-1369
Tel: 919/792-5511 Fax: 919/792-5925

NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 15061
6-20-98
ARTHUR L. ANCHORS ENGINEER

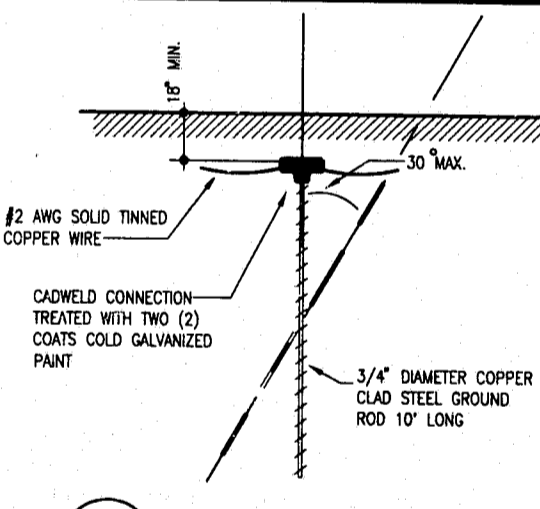
SEAL NOT VALID UNLESS SIGNED AND DATED

PROJECT MANAGER J. LATHAN	DEPARTMENT MANAGER A. ANCHORS
LEAD DESIGN PROF. R. WHITT	CHECKED A. ANCHORS
DRAWN C. SUMERLIN	DATE 6/10/98
PROJECT NUMBER 22597-02	DRAWING NUMBER E-3



UTILITY TRENCH DETAIL

SCALE: NTS



TYPICAL GROUND ROD

SCALE: NTS

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DETAILS

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CONSTRUCTION DOCUMENTS
RALEIGH OFFICE

PROJECT MANAGER J. LATHAN	DEPARTMENT MANAGER A. ANCHORS
LEAD DESIGN PROF. R. WHITT	CHECKED A. ANCHORS
DRAWN C. SUMERLIN	DATE 6/10/98
PROJECT NUMBER 22597-02	DRAWING NUMBER E-4