

**SITE GROUNDING PLAN**  
SCALE: 1/4" = 1'-0"

- 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 GROUND LUG ON OUTSIDE SURFACE OF MONOPOLE.
  4. MINIMUM SPACING BETWEEN GROUND RODS 5'-0".
  5. CADWELD COPPER WIRE TO STEEL MESH USING CADWELD TYPE PT 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 MONOPOLE MANUFACTURER. THE GROUND WIRE FOR THE CABLE GROUNDING BUS BAR IS TO BE ROUTED UP THROUGH THE MONOPOLE FOUNDATION AND 10' OF GROUND WIRE 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.

**ELECTRICAL LEGEND**

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

C	3/12/00	RELOCATED EQUIPMENT	NO	AA
B	2/19/00	RELOCATED EQUIPMENT AND	NO	AA
A	11/10/99	ISSUED FOR PERMITTING	NO	AA
NO.	DATE	REVISION DESCRIPTION	BY	APP.

**BELLSOUTH**  
Carolina PCS, L.P.

09-368-097-A

SITE GROUNDING PLAN

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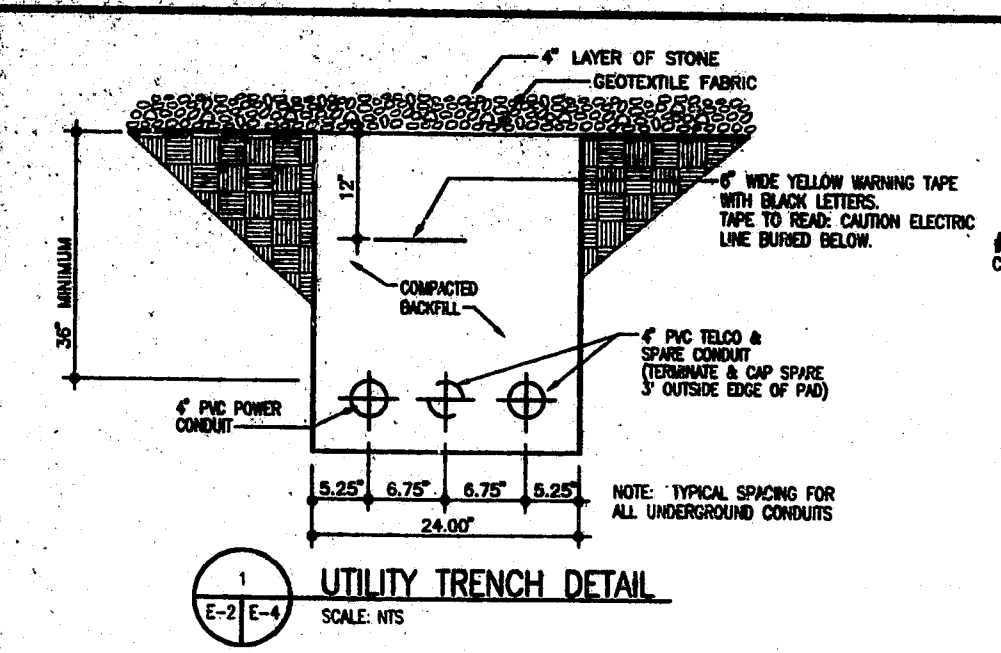
**Professional Seal - Randy**

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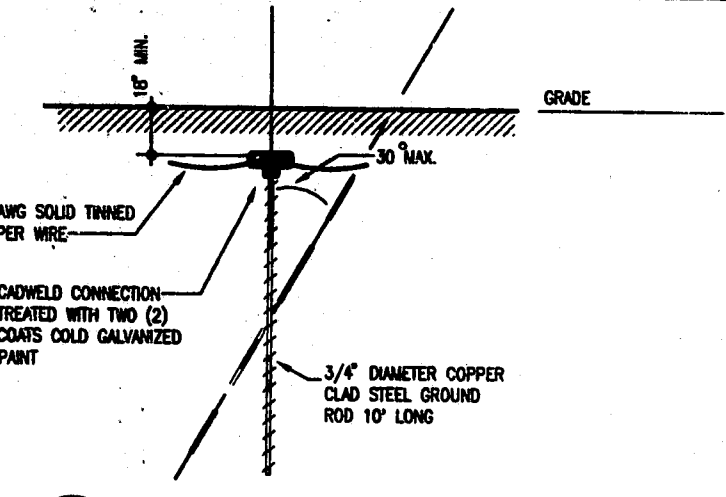
**REVIEW**  
**NOT FOR CONSTRUCTION**

SEAL NOT VALID UNLESS SIGNED AND DATED

PROJECT MANAGER J. LAYTON	DEPARTMENT MANAGER A. ANCHORS
LEAD DESIGN PROJ. R. SHUTT	CHECKED A. ANCHORS
DESIGN D. SAMBLIN	DATE 10/19/00
PROJECT NUMBER 22597-02	DRAWING NUMBER E-3



**UTILITY TRENCH DETAIL**  
SCALE: NTS



**TYPICAL GROUND ROD**  
SCALE: NTS

C	3/12/00	DELETED FORCE GATE DETAIL	NO	AA
B	2/19/00	REMOVED UTILITY	NO	AA
A	11/10/99	ISSUED FOR PERMITTING	NO	AA
NO.	DATE	REVISION DESCRIPTION	BY	APP.

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DETAILS

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PROJECT MANAGER J. LAYTON	DEPARTMENT MANAGER A. ANCHORS
LEAD DESIGN PROJ. R. SHUTT	CHECKED A. ANCHORS
DESIGN D. SAMBLIN	DATE 10/19/00
PROJECT NUMBER 22597-02	DRAWING NUMBER E-4