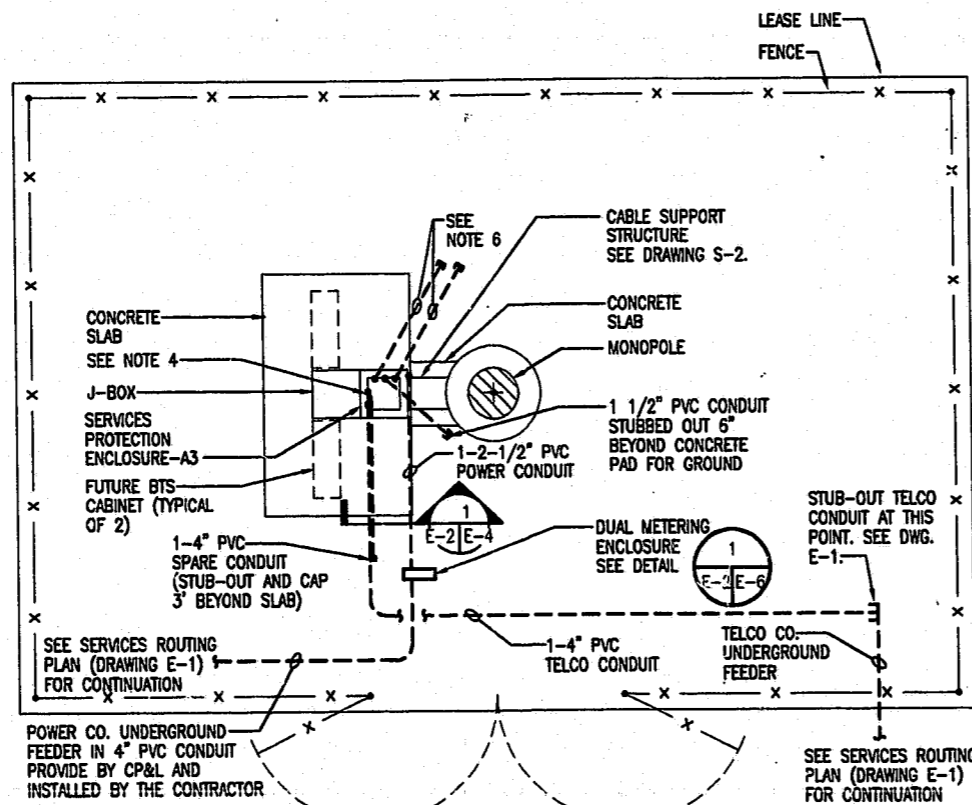


CONSTRUCTION DOCUMENTS
RALEIGH OFFICE

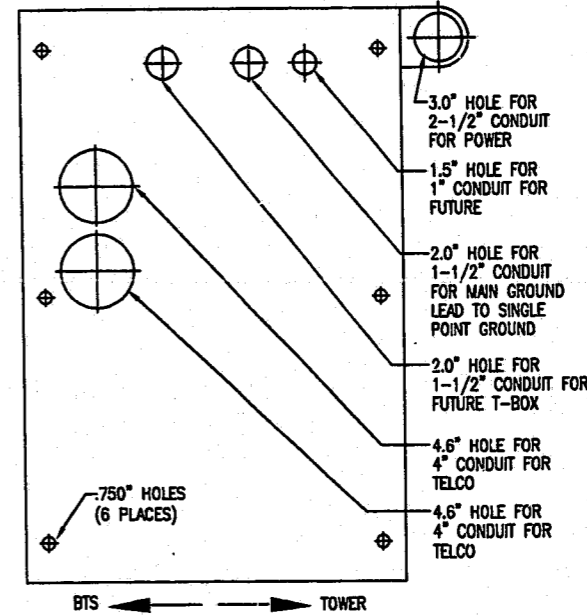


ENLARGED SITE PLAN

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

NOTES:

1. POWER COMPANY SHALL TERMINATE THE POWER CABLES (SUPPLIED AND INSTALLED BY POWER CO.) AT THE UTILITY METER LOCATED DUAL METERING ENCLOSURE.
2. FUTURE BTS CABINET TO BE SUPPLIED AND INSTALLED BY THE OWNER.
3. CONDUIT LINES SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE SPE-A3 TO THE PROPERTY LINE SO THAT WATER WILL FLOW AWAY FROM THE SPE-A3. TRENCHES SHALL BE EXCAVATED ALONG STRAIGHT LINES BEFORE CONDUITS ARE LAID SO THE ELEVATION CAN BE ADJUSTED, IF NECESSARY, TO AVOID UNSEEN OBSTRUCTIONS. MANUFACTURED BENDS SHALL HAVE A MINIMUM RADIUS 36" FOR CONDUITS.
4. ALL CONDUITS ENTERING THE SPE-A3 (FROM BELOW GRADE) SHALL BE STUBBED UP TO 14" ABOVE SUB-GRADE THRU THE HOLES SHOWN IN THE SPE-A3 BASE TEMPLATE DETAIL. A COUPLING SHALL BE PROVIDED ON THE POWER CONDUIT AND STRAIGHT END BELL FITTINGS SHALL BE PROVIDED ON ALL TELCO AND SPARE CONDUITS AFTER CONDUITS ARE STUBBED INTO THE SPE-A3.
5. SERVICES PROTECTION ENCLOSURE TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
6. STUB-OUT 6" BEYOND CONCRETE SLAB FOR CONNECTION TO FUTURE T-BOX. PROVIDE CAP ON END OF CONDUITS. PROVIDE MARKER (REBAR) AT END OF CONDUITS. MARKER SHALL BE DRIVEN SO THAT A MINIMUM OF 2 FEET REMAINS ABOVE FINISHED GRADE. EXPOSED PORTION OF REBAR TO BE PAINTED BRIGHT ORANGE.
7. ALL CONDUITS ENTERING THE SPE-A3 SHALL BE SEALED WITH SEALANTS THAT ARE IDENTIFIED FOR USE WITH THE CABLE INSULATION, SHIELD, OR OTHER COMPONENTS. A BEAD OF SILICONE SHALL BE PLACED AROUND ALL CONDUIT PENETRATIONS INTO THE SPE-A3.



SPE-A3 BASE TEMPLATE DETAIL

SCALE: NTS

NO.	DATE	REVISION DESCRIPTION	BY	APP.
A	1/31/97	ISSUED FOR PERMITTING, RES AND OWNER REVIEW	AS	AS

BELLSOUTH
Carolinas PCS, L.P.

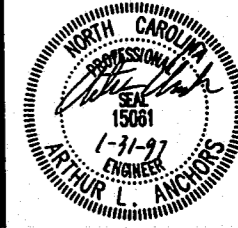
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ENLARGED SITE PLAN

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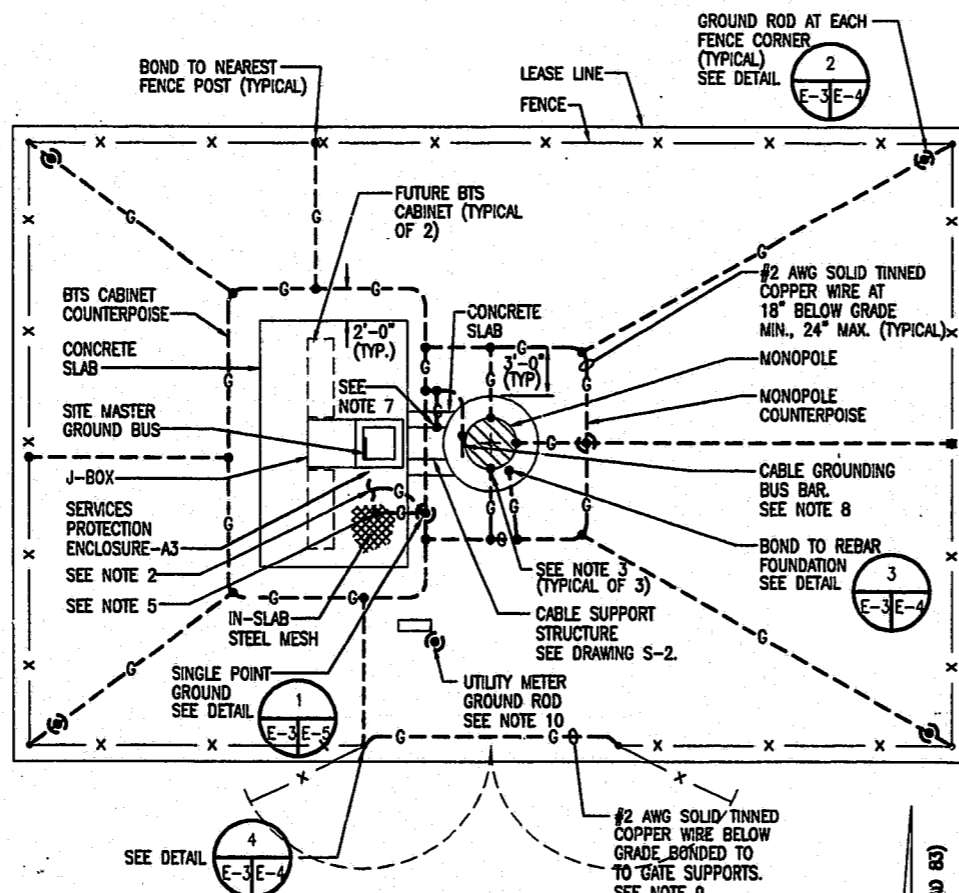
2301 Ramoth Drive
Post Office Box 31308, Raleigh, NC 27622-1308
Tel: 919/782-5211 Fax: 919/782-5805



SEAL NOT VALID UNLESS SIGNED AND DATED

PROJECT MANAGER	DEPARTMENT MANAGER
J. LATHAM	A. ANCHORS
LEAD DESIGN PROF.	CHECKED
R. WATT	A. ANCHORS
DRAWN	DATE
G. SUMERLIN	1/15/97
PROJECT NUMBER	DRAWING NUMBER
22597-02	E-2

97-57-034
APPROVED
B3 4-3-97
TM 4-3-97



SITE GROUNDING PLAN

SCALE: 1/8" = 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 10' OF GROUND WIRE COILED UP AT THE EDGE OF THE CONCRETE SLAB FOR FUTURE CONNECTION TO CABLE SUPPORT STRUCTURE AND PLATFORM BUS BAR.
8. THE CABLE GROUNDING BUS BAR IS TO BE PROVIDED BY THE MONOPOLE MANUFACTURER AND INSTALLED BY THE CONTRACTOR. THE GROUND WIRE FOR THE CABLE GROUNDING BUS BAR SHALL BE ROUTED UP THROUGH THE MONOPOLE FOUNDATION AND CADWELDED TO THE LOWEST POINT ON 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.
10. TOP OF UTILITY METER GROUND ROD TO BE 6" ABOVE SUB-GRADE, FOR INSPECTION BY LOCAL AUTHORITY. GROUND ROD NOT TO BE TIED INTO COUNTERPOISE.

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.

NO.	DATE	REVISION DESCRIPTION	BY	APP.
A	1/31/97	ISSUED FOR PERMITTING, RES AND OWNER REVIEW	AS	AS

BELLSOUTH
Carolinas PCS, L.P.

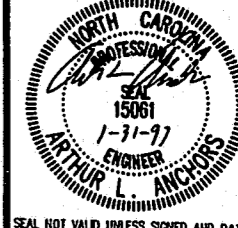
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SITE GROUNDING PLAN

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