

NOTES:

1. APPLY FOR UTILITY SERVICE (TELEPHONE AND ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. COORDINATE WITH ELECTRIC UTILITY COMPANY FOR EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND SERVICE ROUTING. COORDINATE WITH TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
2. LOCATE EXISTING UTILITIES BEFORE TRENCHING. DAMAGE CAUSED TO EXISTING UTILITIES SHALL BE REPAIRED AT CONTRACTORS EXPENSE.
3. SEAL ALL CONDUIT PENETRATIONS INTO BUILDING (DOWNLEADS, POWER CONDUITS, TELEPHONE CONDUIT,...) INSIDE AND OUTSIDE OF BUILDING.
4. PROVIDE COPIES OF RECEIPTS VERIFYING APPLICATION FOR ELECTRICAL SERVICE AND CONFIRMATION FROM UTILITY AS TO WHEN SERVICE WILL BE AVAILABLE. IF THE DATE SERVICE IS ACTUALLY COMPLETE IS LATER THAN THE DATE SERVICE IS REQUIRED UNDER THIS CONTRACT, PROVIDE A 40 KVA GENERATOR, FUEL TANK, AND FUEL TO SERVE SITE AT A COST MUTUALLY AGREED UPON WITH OWNER. IF THE PROCEDURES OUTLINED UNDER THIS CONTRACT HAVE NOT BEEN FOLLOWED IN ORDER TO OBTAIN SERVICE, THE OWNER SHALL BEAR NO COST FOR PROVIDING THE GENERATOR.
5. PROVIDE 2 PULL STRINGS SECURELY FASTENED AT EACH END OF THE CONDUIT. PULL STRING TO BE 200LB TEST POLYETHYLENE CORD. PROVIDE CAP ON END OF THE CONDUITS AND MARK AS SHOWN ON THE ENLARGED SITE PLAN.

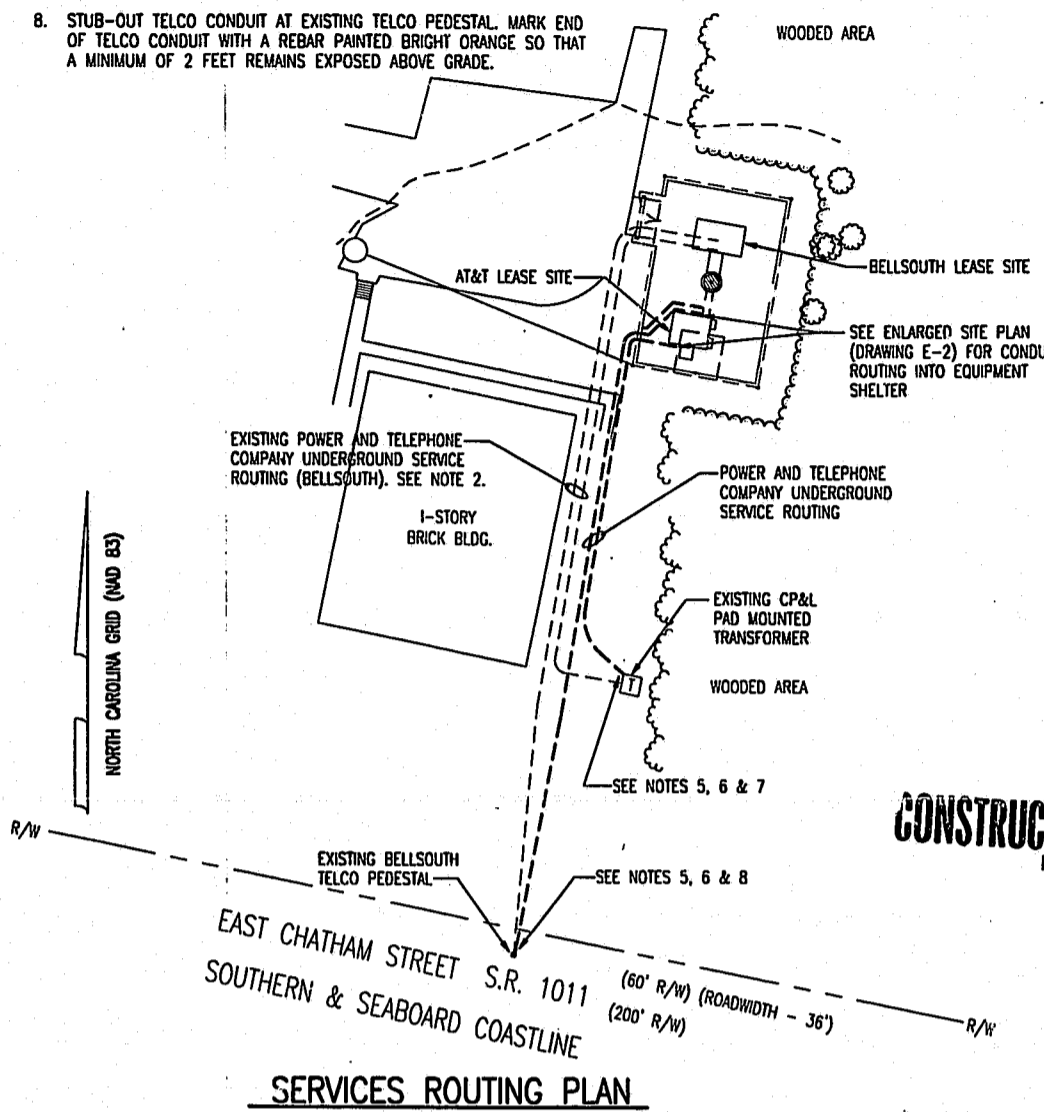
NOTES: (CONTIN.)

6. AT EXISTING POWER CO. PAD MOUNTED TRANSFORMER STUB-OUT THE POWER CONDUIT FOR CONNECTION. MARK THE END OF THE POWER CONDUIT WITH A REBAR PAINTED BRIGHT ORANGE SO THAT MINIMUM OF 2 FEET REMAINS EXPOSED ABOVE GRADE.
7. EXACT ROUTING AND CONNECTION OF POWER AND TELCO CONDUITS IS TO BE VERIFIED WITH LOCAL UTILITY COMPANIES PRIOR TO TRENCHING.
8. STUB-OUT TELCO CONDUIT AT EXISTING TELCO PEDESTAL. MARK END OF TELCO CONDUIT WITH A REBAR PAINTED BRIGHT ORANGE SO THAT A MINIMUM OF 2 FEET REMAINS EXPOSED ABOVE GRADE.

ELECTRICAL LOAD SUMMARY

120/240V-1φ-3W SERVICE

LOAD DESCRIPTION	KVA
LIGHTING	0.48
RECEPTACLES	1.26
HVAC	11.52
COMMUNICATION EQUIPMENT	24.80
MISC. LOADS	0.32
TOTAL CONNECTED LOAD	38.38 KVA
CONTINUOUS LOAD 38.38 X 125% =	47.975 KVA
47.975/240 VOLTS =	199.99 AMPS



A	8/1/97	ISSUED FOR PERMITTING, BUS AND OWNERS REVIEW	BY	AA
NO.	DATE	REVISION DESCRIPTION	BY	CHKD

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 RA008
 SERVICES ROUTING PLAN
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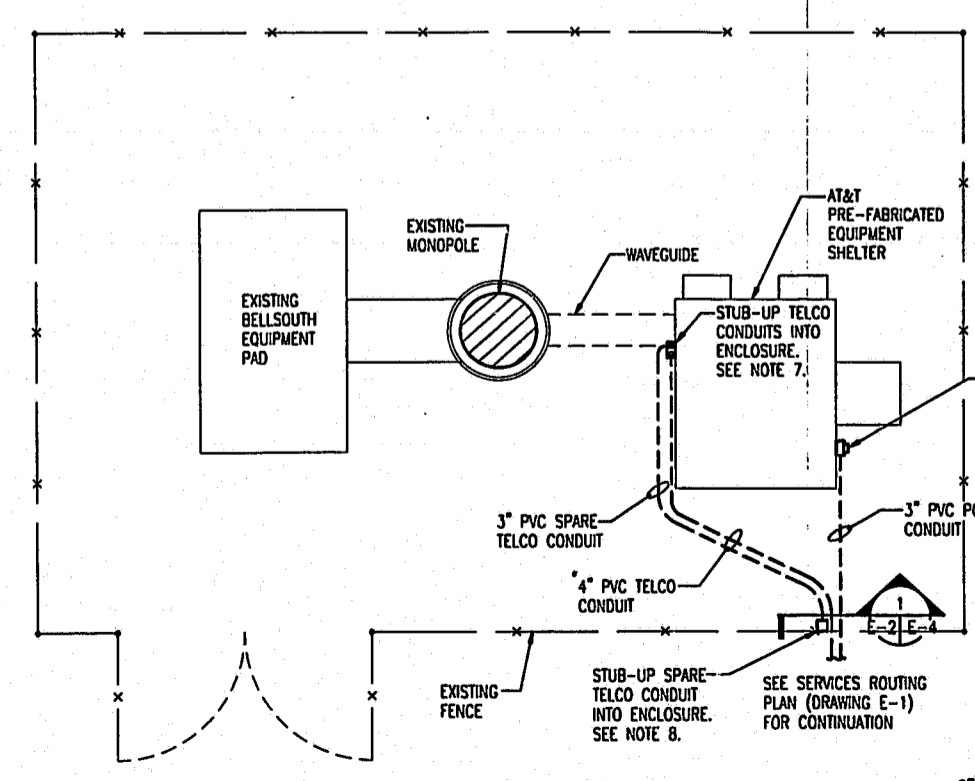
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CONSTRUCTION DOCUMENTS
 RALEIGH OFFICE

PROJECT MANAGER D. BROWN	DEPARTMENT MANAGER A. ANCHORS
LEAD DESIGN PROF. R. WHITT	CHECKED A. ANCHORS
DRAWN R. WHITT	DATE 7/10/97
PROJECT NUMBER 22828.00AT	DRAWING NUMBER E-1

NOTES:

1. CONTRACTOR SHALL ROUTE 3" POWER CONDUIT WITH WIRES TO EXISTING DUAL METER BASE AND TURN UP INTO ENCLOSURE. COORDINATE WITH LOCAL UTILITY FOR WIRING INTO SPARE METER. UTILIZATION OF SPARE METER SHALL BE VERIFIED WITH BELLSOUTH. IN THE EVENT THE METER BASE IS NOT SPARE, CONTRACTOR SHALL PROVIDE AND INSTALL NEW METER BASE ON OR NEAR SHELTER, AND COORDINATE POWER ROUTING AND CONNECTION WITH LOCAL UTILITY.
2. CONDUIT LINES SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE EQUIPMENT SHELTER SO THAT WATER WILL FLOW AWAY FROM THE BUILDING. 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 OF 36" FOR CONDUITS.
3. EACH CONDUIT IS TO BE TAPED AT EACH END, MARKED AND LABELED APPROPRIATELY. COORDINATE EXACT TERMINATION POINT OF CONDUITS ENTERING EQUIPMENT SHELTER WITH AT&T EQUIPMENT SHELTER PLAN AND CONDITIONS AT TIME OF INSTALLATION.
4. THIS DRAWING IS TO BE USED ALONG WITH AT&T SHELTER PLAN AND POWER SPECIFICATIONS AND DETAILS.
5. EQUIPMENT SHELTER TO BE PROVIDED BY AT&T AND INSTALLED BY THE CONTRACTOR.
6. ALL CONDUITS ENTERING THE EQUIPMENT SHELTER SHALL BE SEALED WITH SEALANTS THAT ARE IDENTIFIED FOR USE WITH THE CABLE INSULATION SHIELD OR OTHER COMPONENTS.
7. STUB-UP AND TERMINATE THE TELCO CONDUITS INTO A NEMA 3R ENCLOSURE (24" TALL X 12" WIDE X 6" DEEP) TO FACILITATE TELEPHONE WIRING THROUGH 2-2" TELEPHONE PENETRATIONS IN BUILDING WALL. COORDINATE EXACT MOUNTING HEIGHT OF ENCLOSURE WITH PRE-CUT TELCO PENETRATIONS.
8. STUB-UP SPARE 3" TELCO CONDUIT INTO A NEMA 3R ENCLOSURE (6" TALL X 12" WIDE X 12" DEEP) AT THE EXISTING FENCE LINE AS SHOWN.



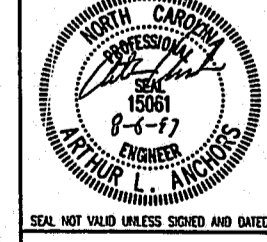
ENLARGED SITE PLAN
 SCALE: 1/8" = 1'-0"

APPROVED
 TRC 9/8/97
 TM 9-8-97

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