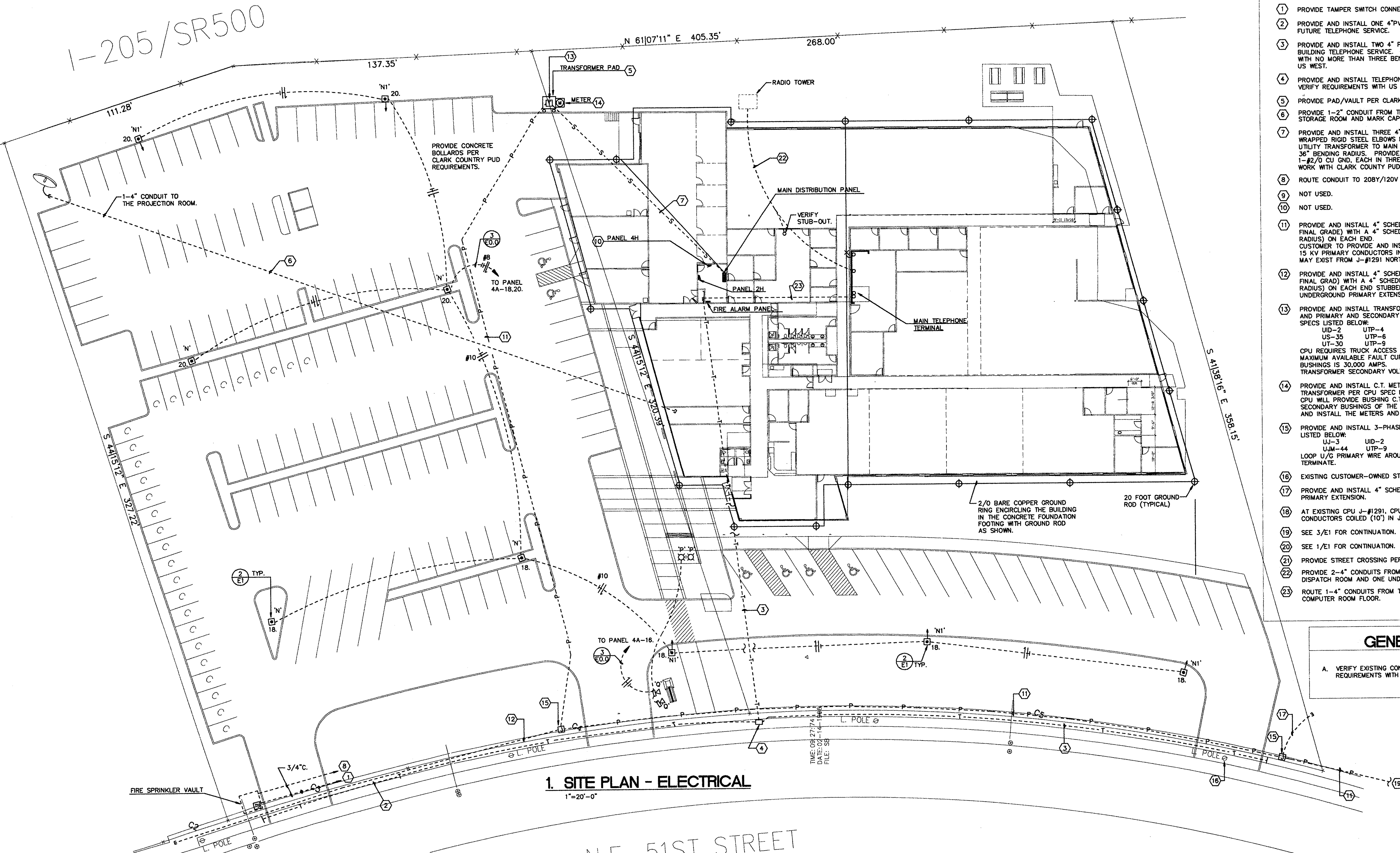
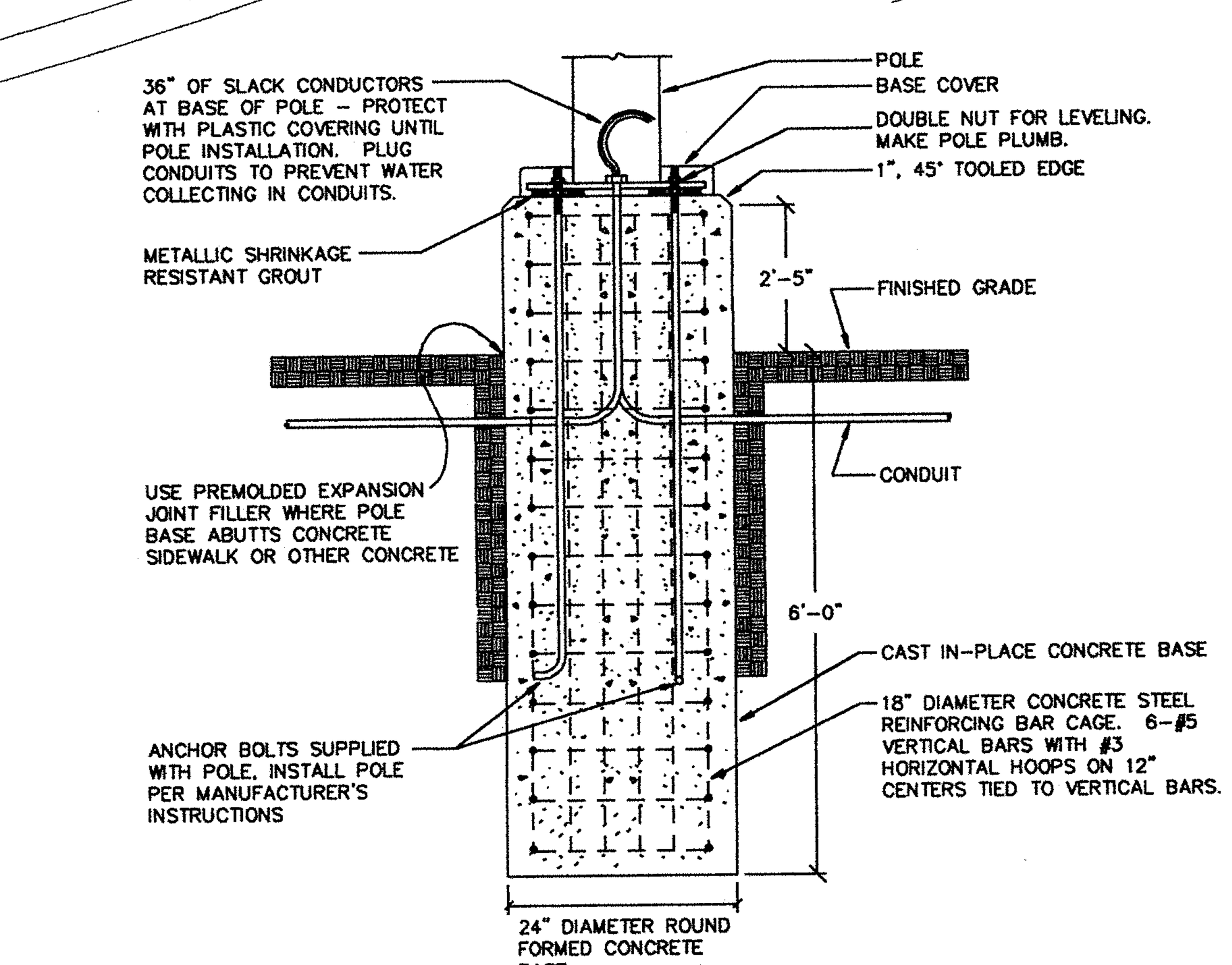


1. SITE PLAN - ELECTRICAL

1"=20'-0"



2. SECTION - AREA LUMINAIRE STANDARD PEDESTAL ANCHOR BASE

NO SCALE D10A

3. VICINITY PLAN - ELECTRICAL

NO SCALE

NOTES THIS SHEET

1. PROVIDE TAMPER SWITCH CONNECTIONS TO FIRE ALARM PANEL
2. PROVIDE AND INSTALL ONE 4"PVC SCHEDULE 40 CONDUIT FOR FUTURE TELEPHONE SERVICE.
3. PROVIDE AND INSTALL TWO 4" PVC SCHEDULE 40 CONDUIT FOR BUILDING TELEPHONE SERVICE. 36 INCH MINIMUM BENDING RADIUS WITH NO MORE THAN THREE BENDS. COORDINATE ALL WORK WITH US WEST.
4. PROVIDE AND INSTALL TELEPHONE VAULT AS REQUIRED PER US WEST. VERIFY REQUIREMENTS WITH US WEST.
5. PROVIDE PAD/VAULT PER CLARK COUNTY PUD REQUIREMENTS.
6. PROVIDE 1-2" CONDUIT FROM THE FUTURE SATILITE DISH TO THE AUDIO/VIDEO STORAGE ROOM AND MARK CAP FOR FUTURE USE.
7. PROVIDE AND INSTALL THREE 4" PVC SCHEDULE 40 CONDUIT WITH WRAPPED RIGID STEEL ELBOWS FOR SECONDARY FEEDERS FROM UTILITY TRANSFORMER TO MAIN DISTRIBUTION PANEL 'MDP'. 36" BENDING RADIUS. PROVIDE AND INSTALL THREE SETS OF 4-500kcmil CU, 1-#2/0 CU GND, EACH IN THREE 4" SCHEDULE 40 PVC. COORDINATE ALL WORK WITH CLARK COUNTY PUD.
8. ROUTE CONDUIT TO 208Y/120V PANEL 2H. FOR FUTURE SUMP PUMP CONNECTION.
9. NOT USED.
10. NOT USED.
11. PROVIDE AND INSTALL 4" SCHEDULE 40 PVC DUCT (36" MINIMUM DEPTH BELOW FINAL GRADE) WITH A 4" SCHEDULE 40 PVC 90 DEGREE SWEEP (36" MINIMUM RADIUS) ON EACH END.
    CUSTOMER TO PROVIDE AND INSTALL 3-#1/0 AL. UNDERGROUND EPR JACKETED 15 KV PRIMARY CONDUCTORS IN THIS RACEWAY. (A 4" SCHEDULE 40 PVC DUCT MAY EXIST FROM J-#1291 NORTH ACROSS NE 51ST STREET.
12. PROVIDE AND INSTALL 4" SCHEDULE 40 PVC DUST (36" MINIMUM DEPTH BELOW FINAL GRAD) WITH A 4" SCHEDULE 40 PVC 90 DEGREE SWEEP (36" MINIMUM RADIUS) ON EACH END STUBBED-OUT PAST THIS RACEWAY IS FOR A FUTURE UNDERGROUND PRIMARY EXTENSION.
13. PROVIDE AND INSTALL TRANSFORMER (3-PHASE 750 KVA), TRANSFORMER PAD, AND PRIMARY AND SECONDARY CONNECTIONS AT THE TRANSFORMER PER CPU SPECS LISTED BELOW:
    UID-2 UTP-4 M-20
    US-35 UTP-6
    UT-30 UTP-9
    CPU REQUIRES TRUCK ACCESS TO TRANSFORMER LOCATION AT ALL TIMES. MAXIMUM AVAILABLE FAULT CURRENT AT TRANSFORMER (750 KVA) SECONDARY BUSHINGS IS 30,000 AMPS.
    TRANSFORMER SECONDARY VOLTAGE IS 3-PHASE, 4 WIRE, 277/480 VOLTS.
14. PROVIDE AND INSTALL C.T. METER BASE (CIRCLE AW #1214213) AT THE TRANSFORMER PER CPU SPEC M-20.
    CPU WILL PROVIDE BUSHING C.T.S FOR THE CUSTOMER TO INSTALL OVER THE SECONDARY BUSHINGS OF THE PADMOUNT TRANSFORMER. CPU WILL PROVIDE AND INSTALL THE METERS AND METER CONTROL WIRING.
15. PROVIDE AND INSTALL 3-PHASE, ABOVE-GROUND, PRIMARY J-BOX PER CPU SPECS LISTED BELOW:
    UJ-3 UID-2
    UJM-44 UTP-9
    LOOP U/G PRIMARY WIRE AROUND THE INSIDE (10') OF THE PRIMARY J-BOX AND TERMINATE.
16. EXISTING CUSTOMER-OWNED STREET LIGHT TO BE RELOCATED BY OTHERS.
17. PROVIDE AND INSTALL 4" SCHEDULE 40 PVC DUST STUB-OUT FOR FUTURE U/G PRIMARY EXTENSION.
18. AT EXISTING CPU J-#1291, CPU TO TERMINATE 3-PHASE U/G PRIMARY CONDUCTORS COILED (10') IN J-BOX BY DIVISION 16.
19. SEE 3/E1 FOR CONTINUATION.
20. SEE 1/E1 FOR CONTINUATION.
21. PROVIDE STREET CROSSING PER CLARK COUNTY PUD REQUIREMENTS.
22. PROVIDE 2-4" CONDUITS FROM THE ANTENNA TOWER AND STUBOUT ONE AT THE FIRE DISPATCH ROOM AND ONE UNDER THE COMPUTER ROOM.
23. ROUTE 1-4" CONDUITS FROM THE NEW TELEPHONE TERMINAL CLOSET TO THE COMPUTER ROOM FLOOR.

GENERAL NOTES:

A. VERIFY EXISTING CONDITION OF SITE, COORDINATE AND VERIFY ALL REQUIREMENTS WITH CLARK COUTY PUD PRIOR TO SUBMITTING BID.

PROJECT NO.: 95-584

INTERFACE ENGINEERING INC.
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EXPIRES 9-10-96

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Project:
USFS BUILDING

Sheet Title:
SITE PLAN - ELECTRICAL

Revisions:
△ 4-15-96

Date: March 5, 1996
Drawn by: CLL Checked by: HLB
Job Number: 94174
Sheet of:
E1.1 9