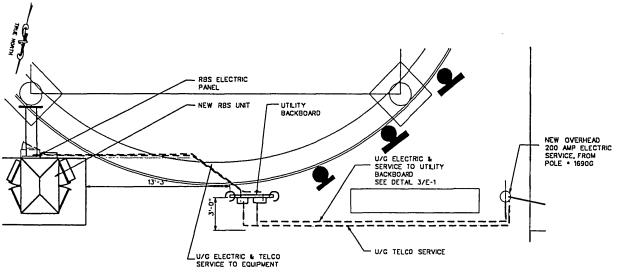
ELECTRICAL NOTES

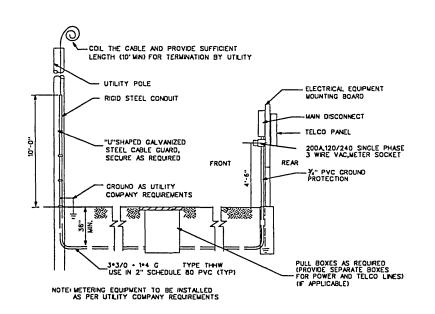
- SUBMITTAL OF BIO INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCES.
- VERIFY HEICHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL WATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL WATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J"
 WHERE SUBJECT TO SUCH APPROVAL MATERIALS SHALL MEET WITH APPROVAL OF ALL
 GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION, MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE COVERNING STATE, COUNTY AND CITY CODES AND OSHA NEPA NEC & ASHRAE REQUIREMENTS.
- ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE, ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE
- 10. PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. OUTDOOR WALL PENETRATIONS SHALL BE SEALED WATER-TIGHT USING SILICONE SEALANT.
- 11. LOCATE ALL PENETRATIONS SUCH THAT ALL REINFORCEMENT CONTAINED WITHIN THE EXISTING BUILDING CONSTRUCTION REMAINS INTACT AND UNDISTURBED, SUBJUT LOCATING METHOD TO THE PROJECT MANAGER FOR APPROVAL PRIOR TO EXECUTION.
- 12. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION, PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
- ALL CONDUCTORS SHALL BE COPPER MINIMUM CONDUCTOR SIZE SHALL BE *12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THHW, RATED IN ACCORDANCE
- ALL CROUT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXMON INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MIRRAUM OF 10,000 ALC., OR SHALL WITHSTAND FAULT SHORT CIRCUIT CURRENT ESTABLISHED BY THE UTILITY.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE: ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.

16. CONOUIT!

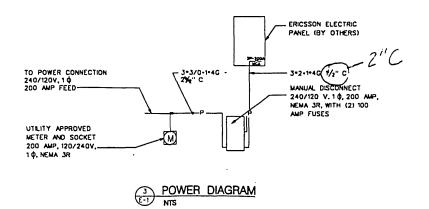
- RIGIO CONDIAT SHALL BE U.L.LABEL GALVANZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR, RIGIO CONDIAT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
- ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE CLAND RING COMPRESSION TYPE, EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
- c. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FMAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECIPPERS AND WHERE PERMITTED BY CODE, ALL COMOUT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND COMOUSTOR.
- CONDUT RUNS SHALL BE SURFACE MOUNTED ON CELLINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS, VERFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING
- PYC CONOUT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE, PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE
- 17. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS! EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL, SUBBIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
- CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL CENERATED BY THE WORK OF THIS CONTRACT, DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION, OBTAIN SIGNED RECEIPT UPON DELIVERY.
- COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANEN POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY
- 21. VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK, MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.



ELECTRICAL SERVICE PLAN



2 ELECTRIC SERVICE ENTRANCE DETAIL
E-1 NTS



LEGEND

TH SAFETY DISCONNECT SWITCH

PANEL BOARD

KILOWATT HOUR METER TRANSFORMER

CIRCUIT BREAKER

- MANUAL TRANSFER SWITCH WEATHERPROOF

G

AMPERE CONDUIT ELECTRICAL METALLIC TUBING E.M.T.

CROUND GFI CROUND FAULT INTERRUPTING KILOWATT HOUR MAN CIRCUIT BREAKER MCB MLO MAN LUGS ONLY

TELCO CABINE

5 UTILITY SERVICE ELEVATION

STUNDARD BXXIK

USE DRAWING Cut

AC GENERATOR CONNECTOR

WEATHERPROOF GFIDUPLEX RECEPTACLE

COPPER GROUND BARI/4"x4"x12" . EXOTHERMIC WELD CONNECTION

● %" x 8' COPPER-CLAD STEEL CROUND ROD W/ INSPECTION WELL

%" X B' COPPER-CLAD STEEL GROUND ROD

— C — GROUND - E - ELECTRIC TELCO POLE SOLID NEUTRAL SWITCH VOLT

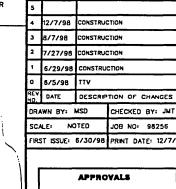
COLLECTOR GROUND BAR MGB MAIN GROUND BAR

WIRE

MOUNTING FRAME

PAN, UTLITY APPROVED

of triton



	APPROVALS
Tr	Iten
u	NDLORD
u	ABING
R.	F
zc	NING
ı	NSTRUCTION
	E

ELECTRICAL PLAN NOTES

DRAWING SHEET!

E-



ADLER ENGINEERING, INC. 206 WHITE HORSE PIKE - BUITE 12 BARRINGTON, NJ 68067 (688) 573-8787 - FAX (688) 647-8340

#R

0

RO-1

#

SITE

-405/

#

口

馬

Triton PCS, Inc 9211 ABORETUM PKY.

> (804)-323-9500 FAX (804)323-1560

SUITE 200

RICHMOND, VA 22336

SAC : KEVIN ARNOLD CONST. : JIM MOORE ALBERT LAI ROBERT BLASSCYK

SCHEDULE OF REVISIONS				
7				
6				
5				
•	12/7/98	CONSTRUCTION		
3	8/7/98	CONSTRUCTION		
2	7/27/98	CONSTRUCTION		
1	6/29/98	CONSTRUCTION		
0	6/5/98	TTV		
REV.	DATE	DESCRIPTION OF CHANGES		
DRAWN BY: MSD			CHECKED BY: JMT	
SCALE: NOTED			JOB NO: 98256	
FIRS	IT ISSUE:	6/30/98	PRINT DATE: 12/7/	

382				
CITY WATER TANK SITE ID #RO-1-405A REDWOOD ROAD ROANOKE, VA				

DRAWING TITLE:

RISER, DETAILS &

SHEETNO. 6 OF 7