REMOVE EXISTING ELECTRICAL PANEL BOARD AND OUTLETS. CUT AND REMOVE BUSH.

EXISTING PORTLAND CEMENT CONCRETE APRON

REMOVE EXISTING UTILITY BOX AND CAP ALL PIPES REMOVE EXISTING LINES THROUGH LIMITS OF CONSTRUCTION AND CAP.

STA. 39+73.2, 614.0' RT. BL '6-24'

36" RCP

REMOVE MANHOLE

INSTALL SIGN NO. ONE (1) AT CENTER OF FENCE SECTION (TYP.). SEE FENCE DETAIL SHEET FOR SIGN SCHEDULE.

21" RCP

STUB 2-4" PVC-C 2' PAST FENCE AND MARK WITH STEEL ROD IN CONCRETE (6" DIA. x 6" DEEP)

REMOVE MANHOLE

US AIR MAINTENANCE HANGAR

2-4" PVC-C WITH PULL CORD STUB UP IN WORKSHOP AS ORDERED BY THE ENGINEER

EMERGENCY GENERATOR W/ CONCRETE PAD

208Y/120V, 3PH, 4W PAD MTD UTILITY TRANSFORMER

UG

STA. 41+33.2, 614.0' RT. BL '6-24'

PROVIDE AND INSTALL 24' MANUAL SLIDING GATE SEE FENCE DETAIL SHEET FOR SIGN LAYOUT.

STA. 38+77.1, 665.8' RT. BL '6-24'

SLIDE

20'

S-2

73'

S-1

8" PVC SAN. SEWER

PROPOSED ELECTRICAL VAULT/WORKSHOP

4" D.I.

STUB 2-4" PVC-C 2' PAST FENCE AND MARK WITH STEEL ROD IN CONCRETE (6" DIA. x 6" DEEP)

STA. 38+77.1, 704.8' RT. BL '6-24'

STA. 39+73.1, 665.8' RT. BL '6-24'

2-4" PVC-C WITH PULL CORD STUB UP IN VAULT AS ORDERED BY THE ENGINEER

STUB UP 2-2" PVC-C 15' FROM EDGE OF MANUAL SLIDING GATE. CAP CONDUITS AND PROTECT FROM DAMAGE.

20' CONCRETE ENCASEMENT SEE 'PIPE ENCASEMENT DETAIL'

5'

5'

SPACE RESERVED FOR FUTURE EXPANSION

REMOVE EXISTING 8' FENCE

INSTALL 90° ELBOW

1-1/2" TYPE 'K' COPPER

METER BOX

2-4" PVC-C WITH PULL CORDS FOR UTILITY INSTALLED PRIMARY CABLE. TOP OF CONDUIT SHALL BE A MINIMUM OF 36" BELOW GRADE.

STUB 2-2" PVC-C 5' PAST EDGE OF PAVEMENT AND MARK WITH STEEL ROD IN CONCRETE (6" DIA. x 6" DEEP)

REMOVE EXISTING 6' FENCE

180'

6" WATER LINE

2.5'

6" BLIND CAP

15" RCP

15" RCP

TIE PROPOSED FENCE INTO EXISTING CORNER POST (NO PAY ITEM)

REMOVE EXISTING 6' FENCE

2-2" PVC-C WITH PULL CORDS FOR TELEPHONE COMPANY

INSTALL FIRE HYDRANT WITH 6" TEE AND GATE VALVE

SEE NOTE 1

STA. 41+33.1, 750.5' RT. BL '6-24'

OH

OH

WV

EXISTING 8" WATER MAIN

SAN MH

CISAIR MAINTANANCE HANGAR

REMOVE EXISTING 8' FENCE

8"x6" TAPPING SLEEVE AND GATE VALVE

WV BOX

WV MH

EXISTING CORNER POST TO REMAIN

EXISTING FENCE TO REMAIN

EXISTING FENCE TO REMAIN

Jerry St. Clair
Started fence, 95
completed fence 95

Light green, trailer

INSTALL CORNER POST ADJACENT TO EXISTING FENCE. SECURELY FASTEN EXISTING FENCE FABRIC TO NEW CORNER POST. (NO PAY ITEM)

6" SAN

SAN MH

CO

FH

STUB UP CONDUITS AT POLE AS ORDERED BY UTILITY COMPANY

UTILITY POLES AND OVERHEAD SERVICE BY OTHERS (TYP.)

EXISTING TELEPHONE PEDESTAL

EXISTING UTILITY PRIMARY OVERHEAD POLE

8" SAN

8" SAN

244

8" PVC SAN. SEWER

36" RCP

6" SAN

CO

SAN MH

8" SAN

8" SAN

SAN MH

AVIATION DR.

18" RCP

ES-1

CO

6"

SAN

SAN MH

18" RCP

18" RCP

48" RCP

TAXILANE

18" RCP

LEGEND

- 8" PVC SANITARY SEWER
- PROPOSED 36" RCP
- PROPOSED 6" DUCTILE IRON WATER LINE
- OH — OVERHEAD PRIMARY BY OTHERS
- UG — UNDERGROUND PRIMARY BY OTHERS
- PROPOSED TELEPHONE LINE
- XX — PROPOSED CHAIN LINK FENCE
- X — EXISTING FENCE

NOTE:
1. THE TOP OF ALL NEW UTITLITY POLES SHALL NOT EXCEED 30' ABOVE THE EXISTING GRADE. COORDINATE HEIGHT RESTRICTION WITH UTILITY COMPANY.

FENCING NOTES:

1. THE FENCE ALIGNMENT SHALL BE FIELD STAKED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION. THE FENCE CORNERS SHOWN ON THE PLANS ARE GIVEN BY STATION AND OFFSET WITH RESPECT TO BASELINE 6/24 UNLESS OTHERWISE NOTED.
2. IN AREAS WHERE CLEARANCE BELOW ANY PORTION OF THE FENCE EQUALS OR EXCEEDS SIX (6) INCHES, ADDITIONAL STRANDS OF BARBED WIRE SHALL BE INSTALLED. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO THE PROJECT AND SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER.
3. THE CONTRACTOR SHALL NOT LEAVE ANY OPENINGS IN THE AIRPORT FENCE UNATTENDED AND SHALL NOT REMOVE THE EXISTING FENCE UNTIL OR UNLESS THE FENCE CAN BE INSTALLED CONTINUOUS AND AFFIXED TO STABLE POSTS AT THE END OF EACH WORKING DAY. ALL COST ASSOCIATED WITH MAINTAINING AIRPORT SECURITY SHALL BE INCIDENTAL TO THE PROJECT.
4. FENCE ALIGNMENT SHOWN ON THE PLANS IS APPROXIMATE AND SUBJECT TO CHANGE, AS ORDERED BY THE ENGINEER.
5. THE CONTRACTOR SHALL PROVIDE A PAD LOCK FOR EACH MANUAL GATE, KEYED WITH THE EXISTING AIRPORT LOCK SYSTEM.
6. THE CONTRACTOR SHALL DISPOSE OF ALL FENCE REMOVED AS PART OF THE PROJECT OFF-SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
7. ALL GATE FRAMES SHALL BE SHAPED, AS REQUIRED, TO OBTAIN 4" MAXIMUM OPENING UNDER GATE AND 3" MAXIMUM OPENING ON THE SIDES OF A GATE IN THE CLOSED POSITION.
8. THE CONTRACTOR SHALL PRESENT A SECURITY PLAN FOR APPROVAL BY THE OWNER OUTLINING THE INSTALLATION OF SECURITY FENCE AND GATES, METHODS OF MONITORING GATE OPENINGS ALONG THE SECURITY FENCE, AND LISTING OF PREVIOUS EMPLOYMENT HISTORY FOR ALL PERSONNEL WORKING WITHIN THE SECURITY AREA, ETC.
9. THE CONTRACTOR SHALL PROVIDE 8-FOOT (MIN) GALVANIZED CHAIN-LINK FENCE WHERE TEMPORARY FENCING IS REQUIRED FOR AIRPORT SECURITY DUE TO CONSTRUCTION PHASING. INSTALL AND MAINTAIN ONE (1) STEADY BURNING YELLOW BARRICADE LIGHT ON EACH TEMPORARY FENCE POST WITHIN TWENTY-FIVE (25) FEET OF THE U.S. AIR MAINTENANCE HANGAR APRON.
10. NO POST HOLES FOR TEMPORARY FENCE WILL BE ALLOWED IN A PROPOSED PAVEMENT OR IN AN EXISTING PAVEMENT WHICH IS TO REMAIN. TEMPORARY FENCE POSTS SHALL BE SUPPORTED BY 55-GALLON DRUMS COMPLETELY FILLED WITH CONCRETE, OR BY ANOTHER APPROVED METHOD. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING OR SUBMITTAL FOR APPROVAL BY THE ENGINEER SHOWING THE METHOD OF SUPPORTING A TEMPORARY FENCE ACROSS AN EXISTING PAVEMENT. THE CONTRACTOR SHALL SCHEDULE THE REMOVAL OF THE EXISTING FENCE AND GATE SO THAT ACCESS TO THE AIRCRAFT OPERATING AREA (AOA) IS MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL RELOCATE TEMPORARY FENCE AS REQUIRED FOR CONSTRUCTION PHASING. ALL COSTS ASSOCIATED WITH RELOCATING TEMPORARY FENCE SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM FOR TEMPORARY FENCE.
11. THE CONTRACTOR SHALL CONFIRM UTILITY LOCATIONS PRIOR TO DIGGING. THE CONTRACTOR SHALL COORDINATE WORK WITH "MISS UTILITY" AND AIRPORT AGENCIES.
12. FENCE POSTS SHALL BE SET ON THE AIRSIDE OF THE SECURITY FENCE.
13. FENCE GROUNDING SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST PER GROUNDING SHALL BE INCLUDED IN THE BID PRICE PER LINEAR FOOT OF FENCE.
14. NO FIELD WELDING TO THE FENCE OR GATES WILL BE ALLOWED.

20 0 20 40
scale: 1"=20' feet

9403UTFL.DWG
PS1

APCO POLE #205-531

NO.	REVISIONS	BY	APP.	DATE

DELTA AIRPORT CONSULTANTS, INC.
engineers - planners
Richmond, Virginia Charlotte, North Carolina

COMMONWEALTH OF VIRGINIA HARRY S. KEYES No. 024527 PROFESSIONAL ENGINEER 5/4/94

COMMONWEALTH OF VIRGINIA KENNETH W. MOODY NO. 020032 PROFESSIONAL ENGINEER 5/4/94

UTILITY & FENCING LAYOUT

ROANOKE REGIONAL AIRPORT

DRAWN BY:	JAF
DESIGNED BY:	CBS
SCALE:	1"=20'
DATE:	APRIL 1994
JOB NO.	VA 9403
SHEET	15 of 56