

Revision	Date	Description
1	4/07/02	AM0001 - ADDED KEYED NOTES AND TRANSFORMER LOCATION.

File Name: K:\14809\AM	Plot Scale: D:\A447-02-R-0004
Plot Date: JAN 30, 2002	ero Accidents
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DRAWN BY: N. TAYLOR	

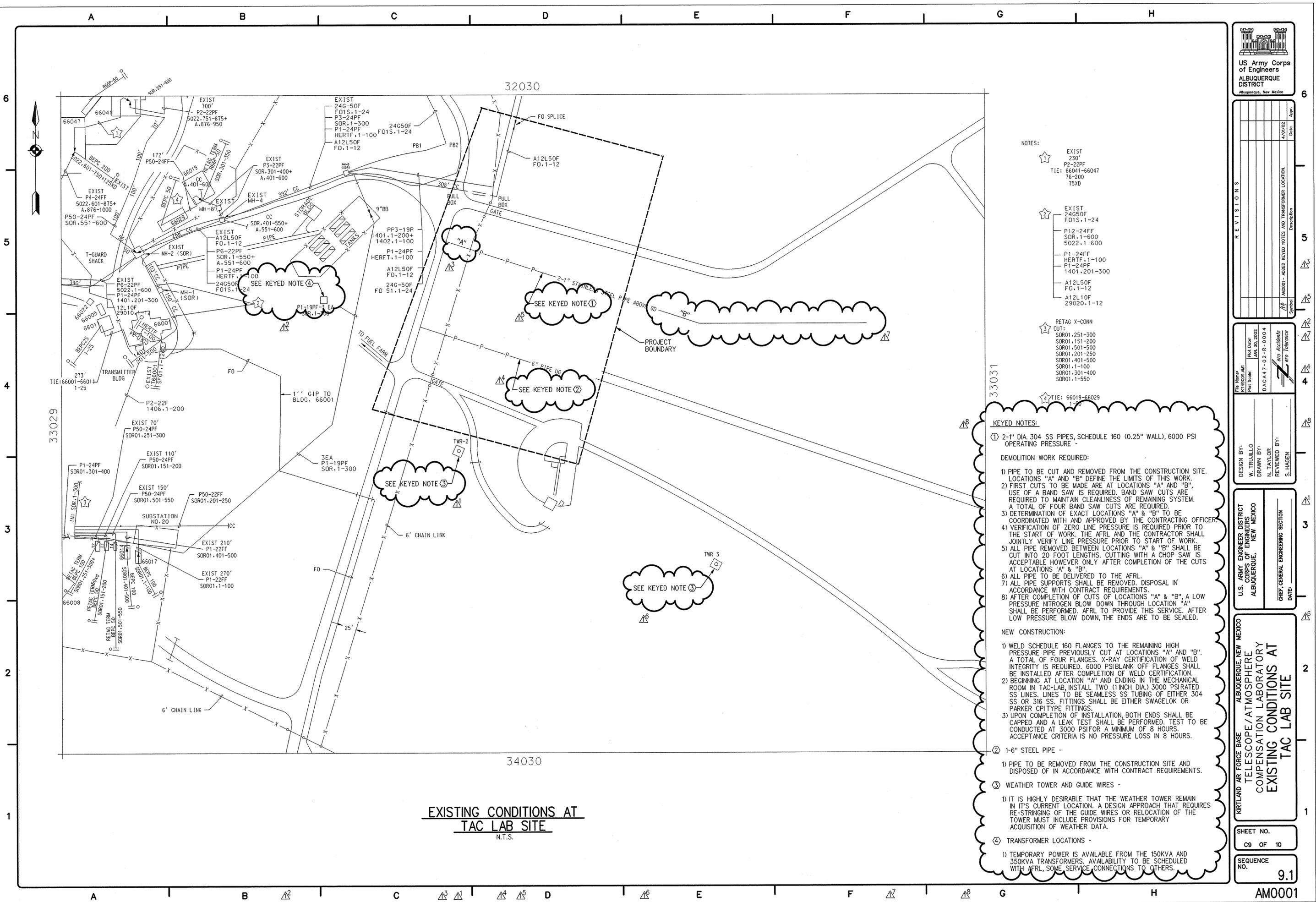
U.S. ARMY ENGINEER DISTRICT ALBUQUERQUE, NEW MEXICO	CHIEF, GENERAL ENGINEERING SECTION
DATE:	

KIRTLAND AIR FORCE BASE ALBUQUERQUE, NEW MEXICO	TELESCOPE/ATMOSPHERE COMPENSATION LABORATORY
EXISTING CONDITIONS AT TAC LAB SITE	

SHEET NO.	C9 OF 10
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SEQUENCE NO.	9.1
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AM0001



- NOTES:
- 1 EXIST 230' P2-22PF TIE: 66041-66047 76-200 75XD
 - 2 EXIST 24G50F F01S.1-24 P12-24FF SOR.1-600 5022.1-600 P1-24FF HERTF.1-100 P1-24PF 1401.201-300 A12L50F F0.1-12 A12L10F 29020.1-12
 - 3 RETAG X-CONN OUT: SOR01.251-300 SOR01.151-200 SOR01.501-500 SOR01.201-250 SOR01.401-500 SOR01.1-100 SOR01.301-400 SOR01.1-550
 - 4 TIE: 66019-66029 1-50

- KEYED NOTES:**
- 1 2-1" DIA 304 SS PIPES, SCHEDULE 160 (0.25" WALL), 6000 PSI OPERATING PRESSURE -
 - DEMOLITION WORK REQUIRED:
 - 1) PIPE TO BE CUT AND REMOVED FROM THE CONSTRUCTION SITE. LOCATIONS "A" AND "B" DEFINE THE LIMITS OF THIS WORK.
 - 2) FIRST CUTS TO BE MADE ARE AT LOCATIONS "A" AND "B". USE OF A BAND SAW IS REQUIRED. BAND SAW CUTS ARE REQUIRED TO MAINTAIN CLEANLINESS OF REMAINING SYSTEM. A TOTAL OF FOUR BAND SAW CUTS ARE REQUIRED.
 - 3) DETERMINATION OF EXACT LOCATIONS "A" & "B" TO BE COORDINATED WITH AND APPROVED BY THE CONTRACTING OFFICER.
 - 4) VERIFICATION OF ZERO LINE PRESSURE IS REQUIRED PRIOR TO THE START OF WORK. THE AFRL AND THE CONTRACTOR SHALL JOINTLY VERIFY LINE PRESSURE PRIOR TO START OF WORK.
 - 5) ALL PIPE REMOVED BETWEEN LOCATIONS "A" & "B" SHALL BE CUT INTO 20 FOOT LENGTHS. CUTTING WITH A CHOP SAW IS ACCEPTABLE HOWEVER ONLY AFTER COMPLETION OF THE CUTS AT LOCATIONS "A" & "B".
 - 6) ALL PIPE TO BE DELIVERED TO THE AFRL.
 - 7) ALL PIPE SUPPORTS SHALL BE REMOVED. DISPOSAL IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
 - 8) AFTER COMPLETION OF CUTS OF LOCATIONS "A" & "B", A LOW PRESSURE NITROGEN BLOW DOWN THROUGH LOCATION "A" SHALL BE PERFORMED. AFRL TO PROVIDE THIS SERVICE. AFTER LOW PRESSURE BLOW DOWN, THE ENDS ARE TO BE SEALED.
 - NEW CONSTRUCTION:
 - 1) WELD SCHEDULE 160 FLANGES TO THE REMAINING HIGH PRESSURE PIPE PREVIOUSLY CUT AT LOCATIONS "A" AND "B". A TOTAL OF FOUR FLANGES. X-RAY CERTIFICATION OF WELD INTEGRITY IS REQUIRED. 6000 PSIBLANK OFF FLANGES SHALL BE INSTALLED AFTER COMPLETION OF WELD CERTIFICATION.
 - 2) BEGINNING AT LOCATION "A" AND ENDING IN THE MECHANICAL ROOM IN TAC-LAB, INSTALL TWO (1 INCH DIA.) 3000 PSIRATED SS LINES. LINES TO BE SEAMLESS SS TUBING OF EITHER 304 SS OR 316 SS. FITTINGS SHALL BE EITHER SWAGelok OR PARKER CPITYPE FITTINGS.
 - 3) UPON COMPLETION OF INSTALLATION, BOTH ENDS SHALL BE CAPPED AND A LEAK TEST SHALL BE PERFORMED. TEST TO BE CONDUCTED AT 3000 PSI FOR A MINIMUM OF 8 HOURS. ACCEPTANCE CRITERIA IS NO PRESSURE LOSS IN 8 HOURS.
 - 2 1-6" STEEL PIPE -
 - 1) PIPE TO BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF IN ACCORDANCE WITH CONTRACT REQUIREMENTS.
 - 3 WEATHER TOWER AND GUIDE WIRES -
 - 1) IT IS HIGHLY DESIRABLE THAT THE WEATHER TOWER REMAIN IN IT'S CURRENT LOCATION. A DESIGN APPROACH THAT REQUIRES RE-STRINGING OF THE GUIDE WIRES OR RELOCATION OF THE TOWER MUST INCLUDE PROVISIONS FOR TEMPORARY ACQUISITION OF WEATHER DATA.
 - 4 TRANSFORMER LOCATIONS -
 - 1) TEMPORARY POWER IS AVAILABLE FROM THE 150KVA AND 350KVA TRANSFORMERS. AVAILABILITY TO BE SCHEDULED WITH AFRL, SOME SERVICE CONNECTIONS TO OTHERS.

**EXISTING CONDITIONS AT
TAC LAB SITE**
N.T.S.