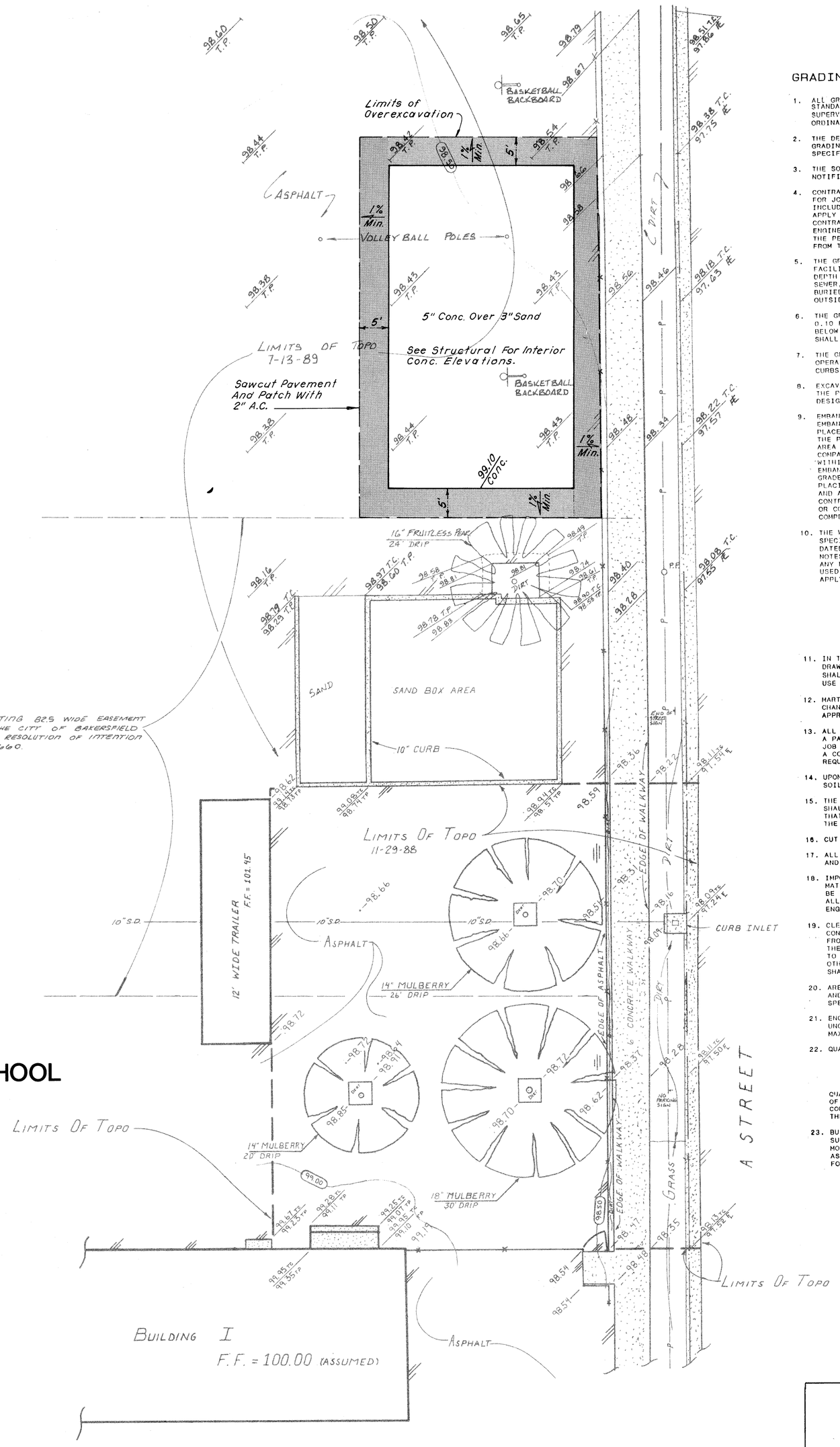


FRANKLIN SCHOOL

GRADING NOTES

1. ALL GRADING SHALL CONFORM TO THE CITY OF BAKERSFIELD ORDINANCES AND STANDARDS PERTAINING THERETO (CHAPTER 70 U.B.C., 1982) AND SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH CITY OF BAKERSFIELD ORDINANCES.

2. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN HIS PURVIEW.

3. THE SOIL ENGINEER, DESIGN ENGINEER, AND BUILDING OFFICIAL SHALL BE NOTIFIED 48 HOURS PRIOR TO PLACING ANY MATERIAL.

4. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ARCHITECT, AND THE ENGINEER HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR THE ENGINEER.

5. THE GRADING CONTRACTOR SHALL CONTACT ALL COMPANIES WITH UNDERGROUND FACILITIES PRIOR TO BEGINNING CONSTRUCTION AND VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND FACILITIES, INCLUDING TELEPHONE, ELECTRIC, WATER, SEWER, OIL AND GAS LINES. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR BURIED LINES NOT INDICATED ON THE PLAN OR FOR INFORMATION OBTAINED FROM OUTSIDE SOURCES. (USA 1-800 642-2444)

6. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL AREAS TO + OR - 0.10 FOOT. IF AN AREA SHOULD BE FOUND TO BE MORE THAN 0.10 FOOT ABOVE OR BELOW GRADE AFTER COMPACTING AND ACCEPTANCE OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER.

7. THE GRADING CONTRACTOR SHALL WATER AS REQUIRED DURING THE GRADING OPERATIONS TO PREVENT THE OCCURANCE OF A DUST NUISANCE AND SHALL PROTECT CURBS AND OTHER OBJECTS WHICH ARE TO REMAIN.

8. EXCAVATION - EXCAVATION SHALL CONSIST OF ALL EXCAVATION INVOLVED IN GRADING THE PROJECT AS SHOWN ON THE PLANS, EXCEPT ANY EXCAVATION SEPARATELY DESIGNATED AND PAID FOR AS A SEPARATE ITEM.

9. EMBANKMENTS - EMBANKMENT CONSTRUCTION SHALL CONSIST OF CONSTRUCTING LOT EMBANKMENTS, INCLUDING THE PREPARATION OF AREAS FOR WHICH THEY ARE TO BE PLACED, THE CONSTRUCTION OF DIKES WITHIN OR OUTSIDE THE CONSTRUCTION AREA, THE PLACING AND COMPACTING OF APPROVED MATERIAL WITHIN THE CONSTRUCTION AREA WHERE UNSUITABLE MATERIAL HAS BEEN REMOVED, AND THE PLACING AND COMPACTING OF EMBANKMENT MATERIAL IN HOLES, PITS AND OTHER DEPRESSIONS WITHIN THE GRADING AREA. FULL COMPENSATION FOR THE CONSTRUCTION OF EMBANKMENTS, PREPARING SUB-GRADE AT THE GRADING PLANE, CONFORMING TO THE GRADE TOLERANCE, DOING NECESSARY PLOWING OR BENCHING, IMPORTING OR BORROW, PLACING AND COMPACTING MATERIAL TO THE LINE AND GRADES SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE PAID PER CUBIC YARD FOR FURNISHING AND PLACING THE MATERIAL OR CONSTRUCTING AN EMBANKMENT, AS THE CASE MAY BE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH WORK.

10. THE WORK EMBRACED HEREIN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, DATED JANUARY 1988, INSOFAR AS THE SAME MAY APPLY IN ACCORDANCE WITH THE NOTES HEREON. IN CASE OF CONFLICT WITH THE STANDARD SPECIFICATIONS AND ANY NOTES HEREON, THE NOTES HEREON SHALL TAKE PRECEDENCE OVER AND BE USED IN LIEU OF SUCH CONFLICTING PORTIONS. SAID SPECIFICATIONS SHALL APPLY BUT NOT BE LIMITED TO THE FOLLOWING:

    A) ALL CONCRETE SHALL BE CLASS "B" AS IN ACCORDANCE WITH SECTION 90 AND SHALL HAVE AT LEAST 2500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

    B) ASPHALTIC CONCRETE SHALL BE TYPE "B", MEDIUM GRADED, 1/2" MAXIMUM AGGREGATE, AND INTIMATELY MIXED WITH 5-7% ASPHALT.

11. IN THE EVENT CONSTRUCTION STAKING BASED ON MARTIN-MCINTOSH'S PLANS, DRAWINGS, OR OTHER DOCUMENTS IS PERFORMED BY ANOTHER FIRM, MARTIN-MCINTOSH SHALL BE HELD HARMLESS AND RELEASED FROM ALL LIABILITY ARISING FROM THE USE OF SAID PLANS, DRAWINGS, OR OTHER DOCUMENTS.

12. MARTIN-MCINTOSH SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED, IN WRITING, BY MARTIN-MCINTOSH.

13. ALL GRADING SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN, AND MADE A PART HEREOF, THE PRELIMINARY SOILS REPORT PREPARED BY KRAZAN & ASSOC., JOB #88-237, DATED JAN. 12, 1989, AND ALL ADDENDUMS THERETO. IN CASE OF A CONFLICT BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS WILL TAKE PRECEDENCE.

14. UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL SOILS REPORT SHALL BE PREPARED BY THE SOIL ENGINEER.

15. THE SOIL ENGINEER SHALL REVIEW ALL EXCAVATIONS PRIOR TO BACKFILLING AND SHALL BE NOTIFIED OF ANY ITEM ENCOUNTERED DURING THE GRADING OPERATIONS THAT MIGHT AFFECT FOUNDATION STABILITY SO RECOMMENDATIONS CAN BE MADE BY THE SOIL ENGINEER.

16. CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2:1.

17. ALL SLOPES GREATER THAN THREE FEET IN VERTICAL HEIGHT SHALL BE PREPARED AND MAINTAINED TO PREVENT EROSION.

18. IMPORTED FILL MATERIAL SHOULD BE PREDOMINATELY NONEXPANSIVE GRANULAR MATERIAL WITH A PLASTICITY INDEX LESS THAN 10. IMPORTED FILL SHOULD BE FREE FROM ROCKS AND LUMPS GREATER THAN FOUR INCHES IN DIAMETER. ALL IMPORT FILL MATERIAL SHOULD BE SUBMITTED FOR APPROVAL TO THE SOILS ENGINEER AT LEAST 48 HOURS PRIOR TO DELIVERY TO THE SITE.

19. CLEARING AND GRUBBING - REMOVE ALL DEBRIS, SUCH AS METAL, TRASH, BROKEN CONCRETE, VEGETATION, OTHER BIODEGRADABLE SUBSTANCES, AND UNSUITABLE SOIL FROM AREAS TO BE GRADED. UNSUITABLE SOIL IS SOIL THAT, IN THE OPINION OF THE BUILDING OFFICIAL, SOIL ENGINEER, OR CIVIL ENGINEER, IS NOT COMPETENT TO SUPPORT OTHER SOIL OR STRUCTURES, OR TO SATISFACTORILY PERFORM ANY OTHER FUNCTIONS FOR WHICH THE SOIL IS INTENDED. TREE REMOVAL OPERATIONS SHALL INCLUDE ROOTS GREATER THAN ONE INCH IN DIAMETER.

20. AREAS TO RECEIVE FILL SHALL BE SCARIFIED SIX INCHES, MOISTURE CONDITIONED, AND COMPACTED TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557, UNLESS SPECIFIED OTHERWISE.

21. ENGINEERED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING SIX INCHES IN UNCOMPACTED THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557-70, UNLESS SPECIFIED OTHERWISE.

22. QUANTITIES FOR EARTHWORK

    EXCAVATION - 375 CU. YD.
    EMBANKMENT - 375 CU. YD. = 130%
    IMPORT - 110 CU. YD.

    QUANTITIES ARE FOR GRADING PERMIT ONLY. THE ENGINEER MAKES NO WARRANTY OF THE ANTICIPATED SHRINKAGE FACTOR. IN CASE OF EXCESS OR SHORTAGE, THE CONTRACTOR SHALL CONTACT THE ENGINEER SO THAT ADJUSTMENTS MAY BE MADE. THE CONTRACTOR SHALL NOT USE THESE QUANTITIES TO BASE HIS BID ON.

23. BUILDING PAD PREPARATION - EXCAVATE FOUR FEET BELOW THE EXISTING GROUND SURFACE, SCARIFY THE BOTTOM OF THE EXCAVATION TO A DEPTH OF SIX INCHES, MOISTURE CONDITION, AND RECOMPACT TO 90% OF THE MAXIMUM DENSITY PER ASTM D1557. AREAS OF OVEREXCAVATION SHALL EXTEND FIVE FEET BEYOND THE FOUNDATION.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF RENFRO-RUSSELL IN NOV. 1988

ROGER A. McINTOSH L.S. 4383 — 2-27-89 DATE

ROGER A. McINTOSH R.C.E. 33322 — 7-20-89 DATE

SCALE 1" = 10'

10 0 20
5 10

BENCHMARK

FINISH FLOOR BUILDING I
ELEVATION ASSUMED 100.00

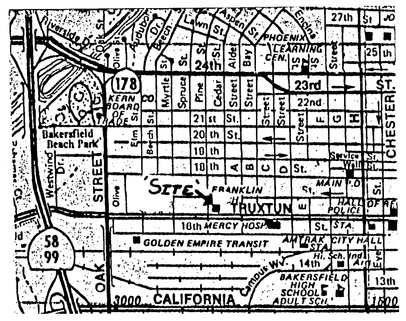
LEGEND

	TREE
98.50	CONTOUR LINE
	FENCE
	FLOWLINE (F)
TP	TOP OF PAVEMENT
TC	TOP OF CONCRETE
F.F.	FINISH FLOOR
	ASPHALT
S.D.	STORM DRAIN
P.P.	POWER POLE
—P—	OVERHEAD POWER LINE

NOTES:

NOT ALL UNDERGROUND FACILITIES OR UTILITIES WERE LOCATED ON THIS PLAN AND THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR UNDERGROUND FACILITIES NOT SHOWN OR FROM INFORMATION OBTAINED FROM OUTSIDE SOURCES

THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR EASEMENTS, RIGHT-OF-WAYS, AND PROPERTY LINES SHOWN OR NOT SHOWN DUE TO THE FACT NO TITLE REPORT WAS PROVIDED



VICINITY MAP NO SCALE

RRA
Architecture
Planning
Interior Design
Space Planning

Donald W. Renfro AIA C5283
Mark E. Russell AIA C13726
Carl G. Elliott AIA C7571
K. Bartram Huffman AIA C12061
Kenneth A. Kalla AIA C17760
Jeffrey P. Krausse AIA C16834
Tommy W. Preston AIA C12263
Larry G. Wiggins AIA C12514

Renfro-Russell & Associates, Inc.
4800 Stockdale Highway, Suite 304, Bakersfield, California 93309 (805) 327-7075

CONSULTANTS

Martin-McIntosh
LAND SURVEYING · CIVIL ENGINEERING

PROJECT

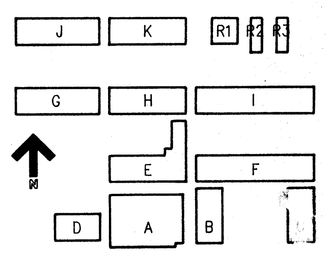
BAKERSFIELD CITY SCHOOL DISTRICT

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

THE ABOVE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS AND SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

KEY PLAN — MECHANICAL EQUIPMENT ENCLOSURE



BAKERSFIELD CITY SCHOOL DISTRICT
BOARD OF EDUCATION

DATE	APPROVED

DATE	ISSUED FOR
9-5-91	BIDDING

DATE	REVISIONS
7-13-89	1 ADDITIONAL TOPO N. OF SAND BOX

SHEET TITLE

GRADING PLAN

APPROVED/ARCHITECT Tommy W. Preston
CHECKED DATE 8-1-89
DRAWN BY PROJECT NO. 88-216 FK

SHEET NUMBER

C-1

OF 1 SHEETS