



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 7, 1986

TO: Wayne Hedberg, Permit Supervisor  
FROM: David W. Darby, Geologist *DWD*  
RE: U. S. Fuel Company, Skyline Mine, Underground Mine  
Plan Modification, ACT/007/005, Folder #3, Carbon  
County, Utah

Summary

Skyline has proposed to change their coal extraction and recovery methods to achieve a effective and safer mining conditions within the mine by driving entries parallel to the strike of fracture patterns.

These changes are consistent with mining practices and will not constitute major changes to the original mine plan or cause and addition adverse effects to the mine area than has already been proposed in the mine plan.

The Bureau of Land Management (BLM) has already approved this mining change.

Recommendation

This modification can be approved with no changes or conditions.

jvb  
0005R-32

Mine file  
D.W. Welby  
S.C. Linn

RECEIVED

Moab District  
Price River Resource Area  
P. O. Drawer AB  
Price, Utah 84501

DEC 30 1985

DIVISION OF OIL  
GAS & MINING

3400  
U-073120  
(U-066)

Mr. Glen A. Zumwalt  
Vice President/General Manager  
Utah Fuel Co.  
P.O. Box 719  
Helper, Utah 84526

DEC 27 1987

Dear Mr. Zumwalt:

Your proposal for minor modification of the approved mine plan was received by this office December 23, 1985 and has been reviewed.

The adverse roof and rib conditions in IR1W described in your letter are well documented and have been verified by Jeff Clawson, Mining Engineer, of this office. Calculations show that recoverability by the proposed method, first mining only of rooms and entries on 59' X 62' and 62' X 67' centers, should exceed 50 percent for this panel. Given the present conditions this is acceptable. It is also believed that this panel will be a good place to experiment with yield pillar design, which may help to achieve greater productivity and recoverability in the future.

This minor modification is therefore approved as proposed in your submittal dated December 20, 1985.

If you have any questions regarding this matter or any future issues please contact Jeff Clawson at 637-4584.

Sincerely yours,

/S/ JAMES W. DRYDEN

Area Manager

Acting

Enclosure:  
Utah Fuel Proposal w/Maps

cc: MDO (U-065)  
USO (U-921)  
OSM  
DOGM

JClawson:lp:12/26/85:Mag II

Glen A. Zumwalt  
Vice President and  
General Manager

PR/PR Rec'd DEC 23 1985



**Utah Fuel  
Company**

P.O. Box 719  
Helper, Utah 84526  
(801) 566-7111

Subsidiary of  
Coastal States  
Energy Company

20 December 1985

MINOR MODIFICATION TO  
MINING PLAN APPROVED BY  
BUREAU OF LAND MANAGEMENT

Mr. Leon Berggren  
Bureau of Land Management  
Moab District  
Price River Resource Area  
P.O. Drawer AB  
Price, Utah 84501

Recommended By:

Jeff K. Clawson 12/27/85  
Mining Engineer (Date)

Approved By:

James W. Snyder 12/27/85  
Area Manager (Date)

Dear Mr. Berggren:

We have discussed with Jeff Clawson of your office our plans to first mine the 1R1W panel of Mine No. 3. We hereby request approval of a minor modification to our mine plan which would allow us to begin first mining in the panel by January 6, 1986.

The 1R1W panel (see attached map), originally planned for longwall mining, was approved by minor modification through your office for room-and-pillar extraction in August of 1984. We are now requesting approval of a further modification to the mining plan for that panel. Since the end of 1984 to the present, roof conditions in the 1R1W entries from which the panel will be accessed have deteriorated to a point which will make pillar extraction hazardous. For this reason, we feel that first mining the panel (driving rooms only) will be the safest and most efficient method of mining.

Although conditions within the panel may warrant changing pillar sizes during the course of mining, this time we plan to leave pillars of two different sizes in the panel. The attached map shows two zones. In Zone A we plan to mine approximately 39 x 42 foot pillars (diagram 1) and in Zone B we plan to mine approximately 42 x 47 foot pillars (diagram 2). The entries and crosscuts will be mined 19 to 20 feet wide. Slightly larger pillars are planned for Zone B to enable us to align panel rooms with crosscuts in the 1R1W development entries, thus minimizing exposure of mine personnel to the adverse roof conditions in the area.

During initial mining of the panel, we also plan to test two to four rows of yield pillars (diagram 3). At the present time we don't know their exact size, but they will most likely be on the order of 20 feet by 40 feet. If, after the test, it appears that yielding pillars can be mined safely and efficiently within the panel, we plan to use pillars of this size for the remainder of the panel.

Sincerely,

*Mark Bennell*

for Glen A. Zumwalt  
Vice-President/General Manager

Enc: 1) 1R1W Panel Map  
2) Diagrams 1-3 of tentative panel sizes

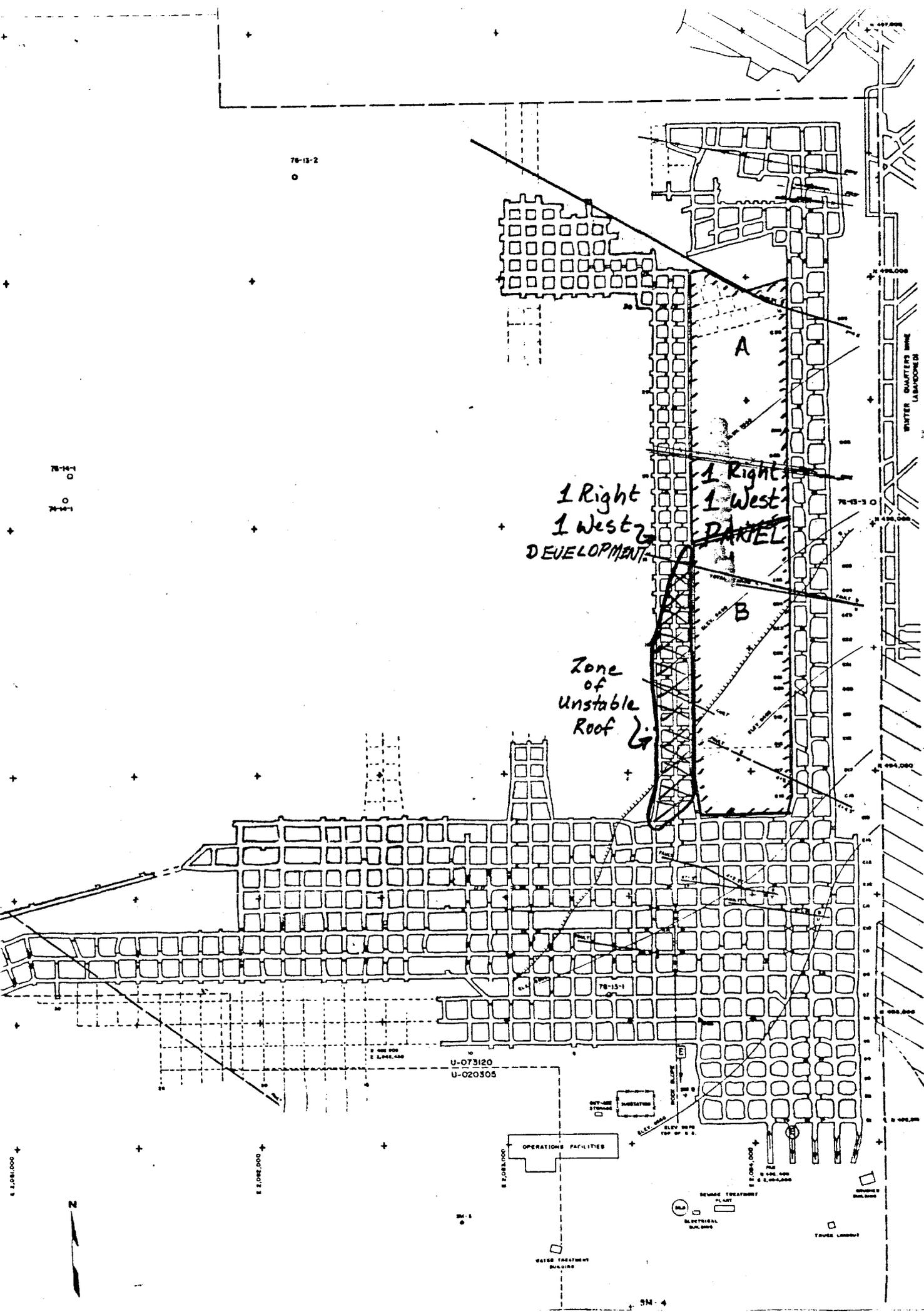


DIAGRAM 1

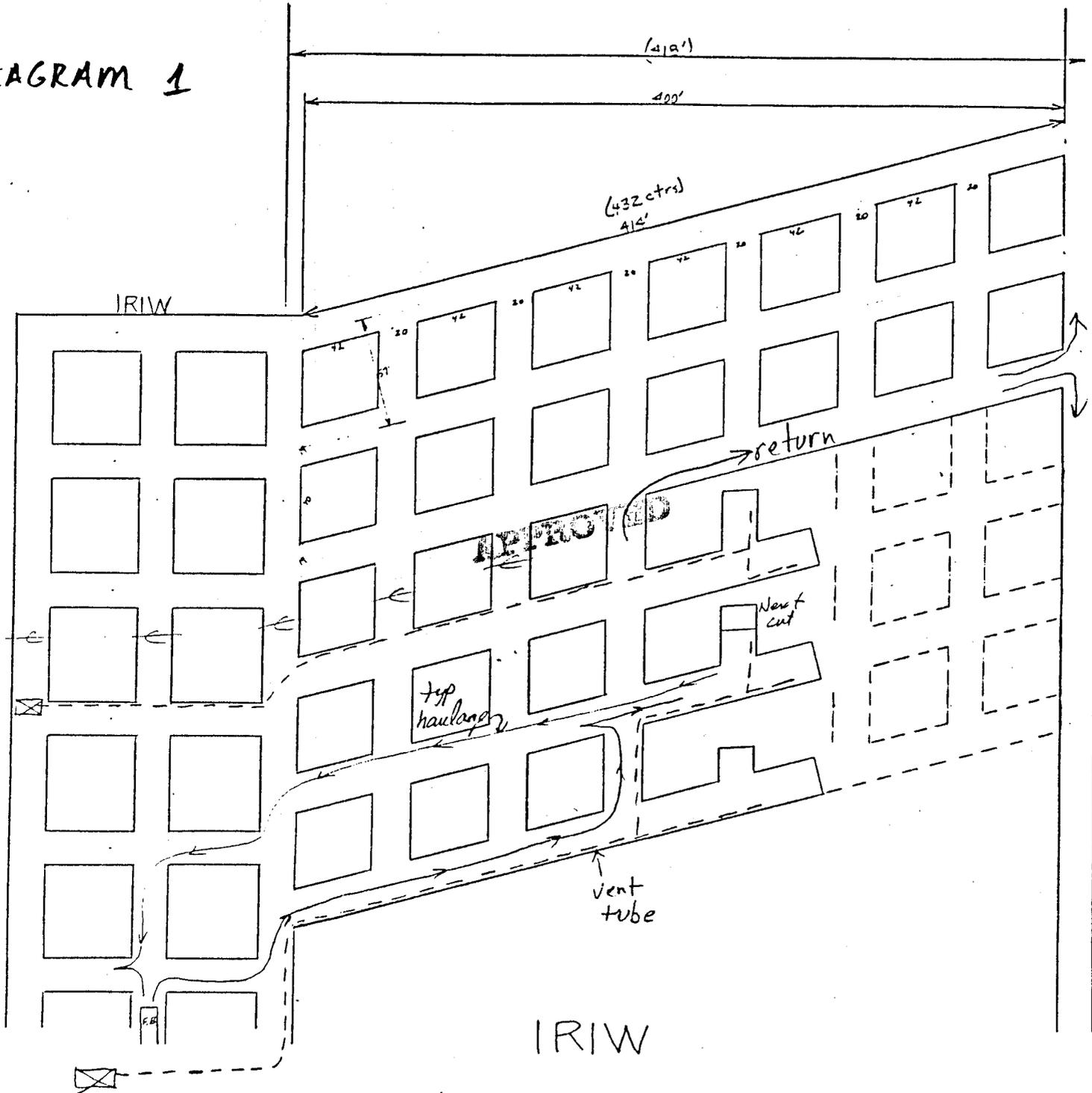
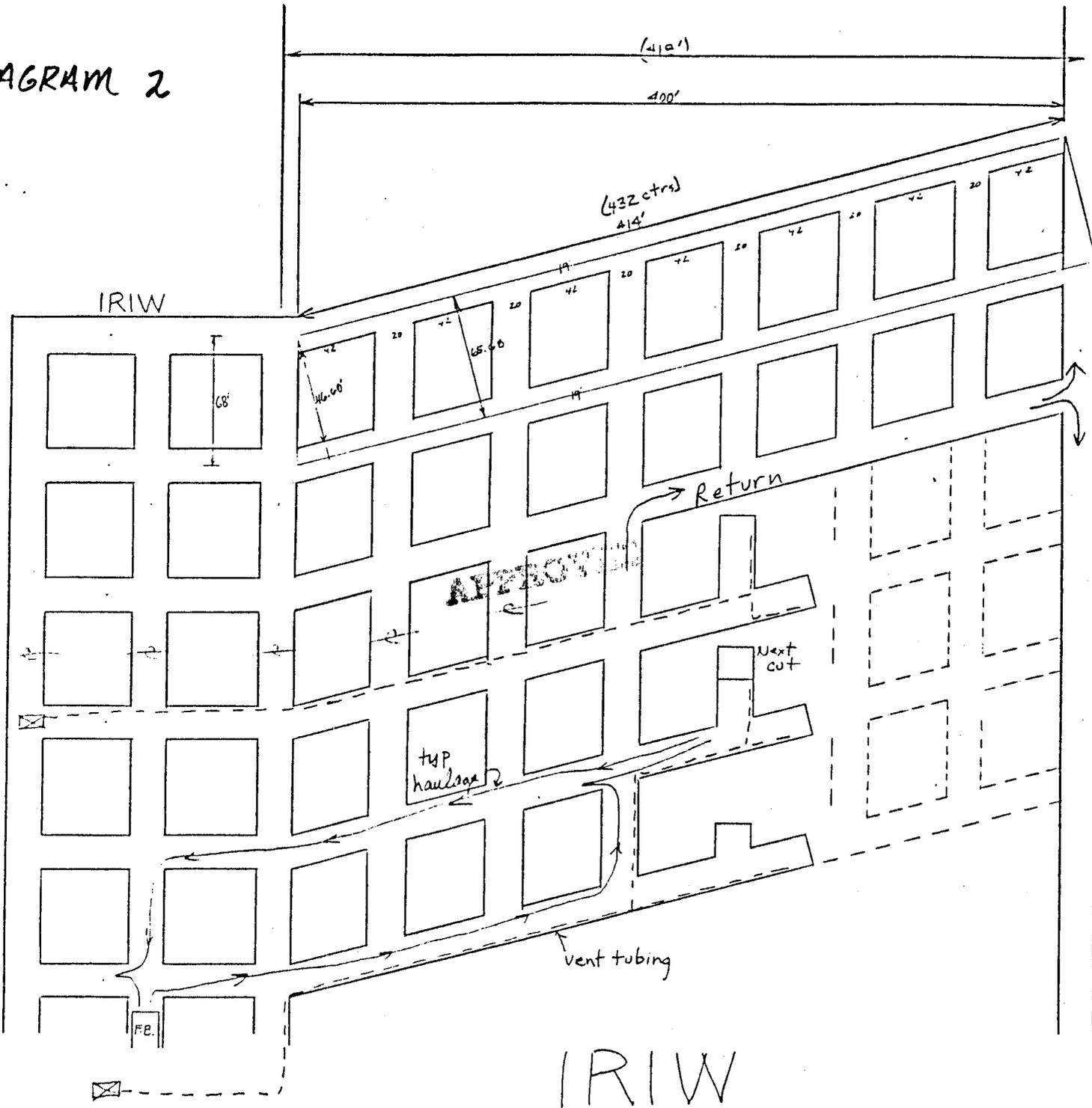


DIAGRAM 2

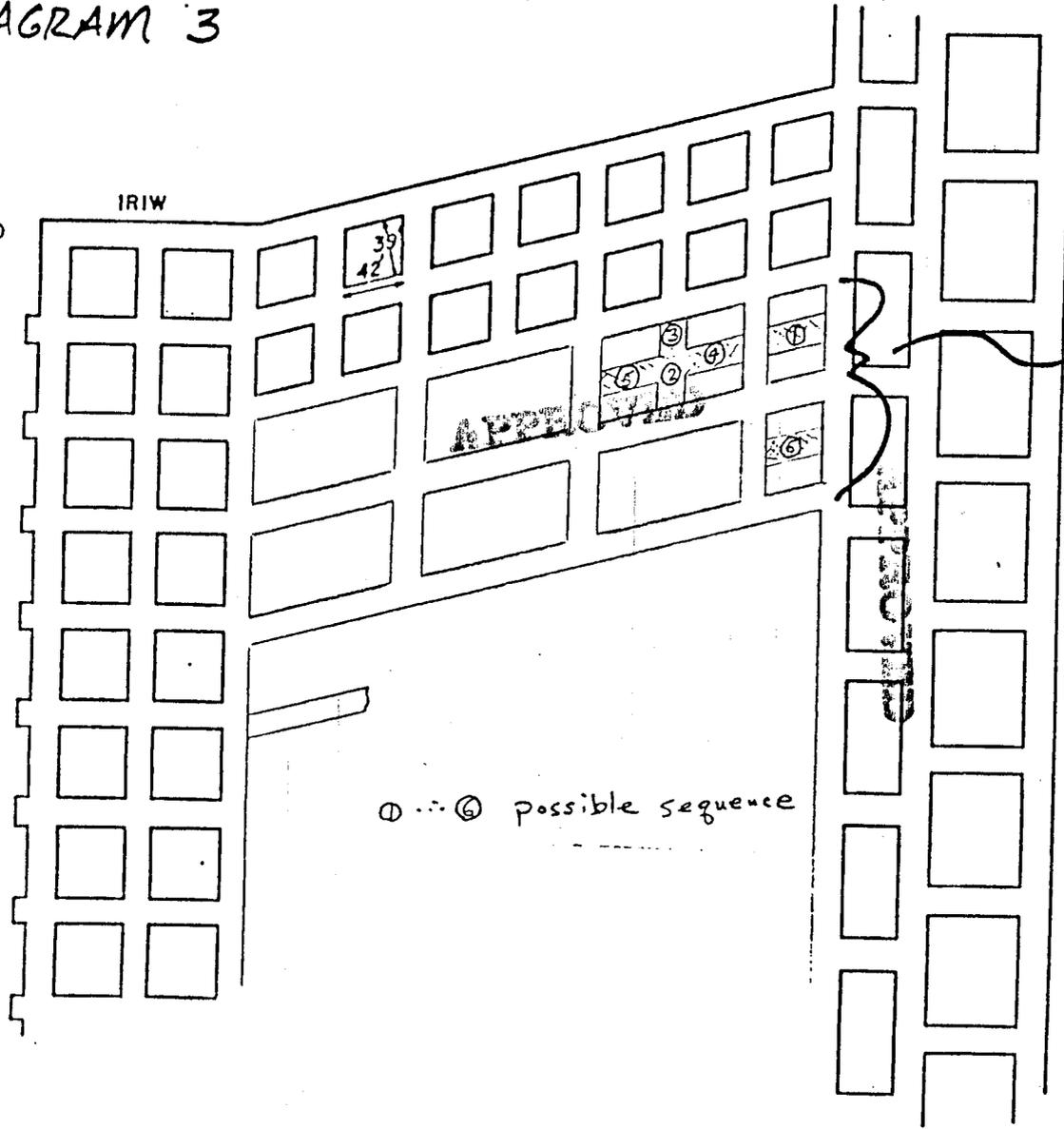
LCH  
10/55



# DIAGRAM 3

CROSSCUT 30

IRIW



YIELD  
PILLAR  
TEST

①...⑥ possible sequence

Pillar Splitting