STATE OF ILLINOIS

DEPARTMENT OF MINES AND MINERALS

LAND RECLAMATION DIVISION

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LAND RECLAMATION DIVISION MEMORANDUM NO. 82-6

TO: All Illinois Coal Operators

FROM: Douglas Downing, Supervisor
Land Reclamation Division

DATE: April 2, 1982

SUBJECT: Hydrology and Geology Mining
Permit Application Seminar

On April 12, 1982, the Department will sponsor in conjunction with the Coal Extraction and Utilization Research Center at Southern Illinois University, Carbondale, the Illinois State Geological Survey, Illinois State Water Survey, Illinois Environmental Protection Agency, U.S. Geological Survey, and the Office of Surface Mining, a seminar on the Determination of Probable Hydrologic Consequences of Mining. The Determination will be a required part of the permanent program permit application.

The intent of the seminar is to provide the operator with information on preparation, content, and the objectives of the Determination as well as recommended data gathering methods.

Presentations will be made by qualified groundwater geologists, surface hydrologists and geologists, all of whom are familiar with the Department's permitting requirements. An agenda is enclosed for your guidance.

We urge all operators who plan to submit permanent program permit applications to attend this seminar, as well as their consulting engineers and other interested parties.

The seminar will be held at the Southern Illinois University, Carbondale, Student Center, Ballroom B. The date and time is Monday, April 12, 1982, from 8:00 a.m. to 5:00 p.m., or later, as needed.

Metered parking is available adjacent to the Student Center. A free parking area is also available, but is located about 6 blocks from the Center. A map showing the locations of the parking lots is enclosed.

The Department again urges you to attend this very important meeting. The information provided and the planned discussion period following the presentations will be very helpful in the preparation of the hydrology and geology portions of your permit application.

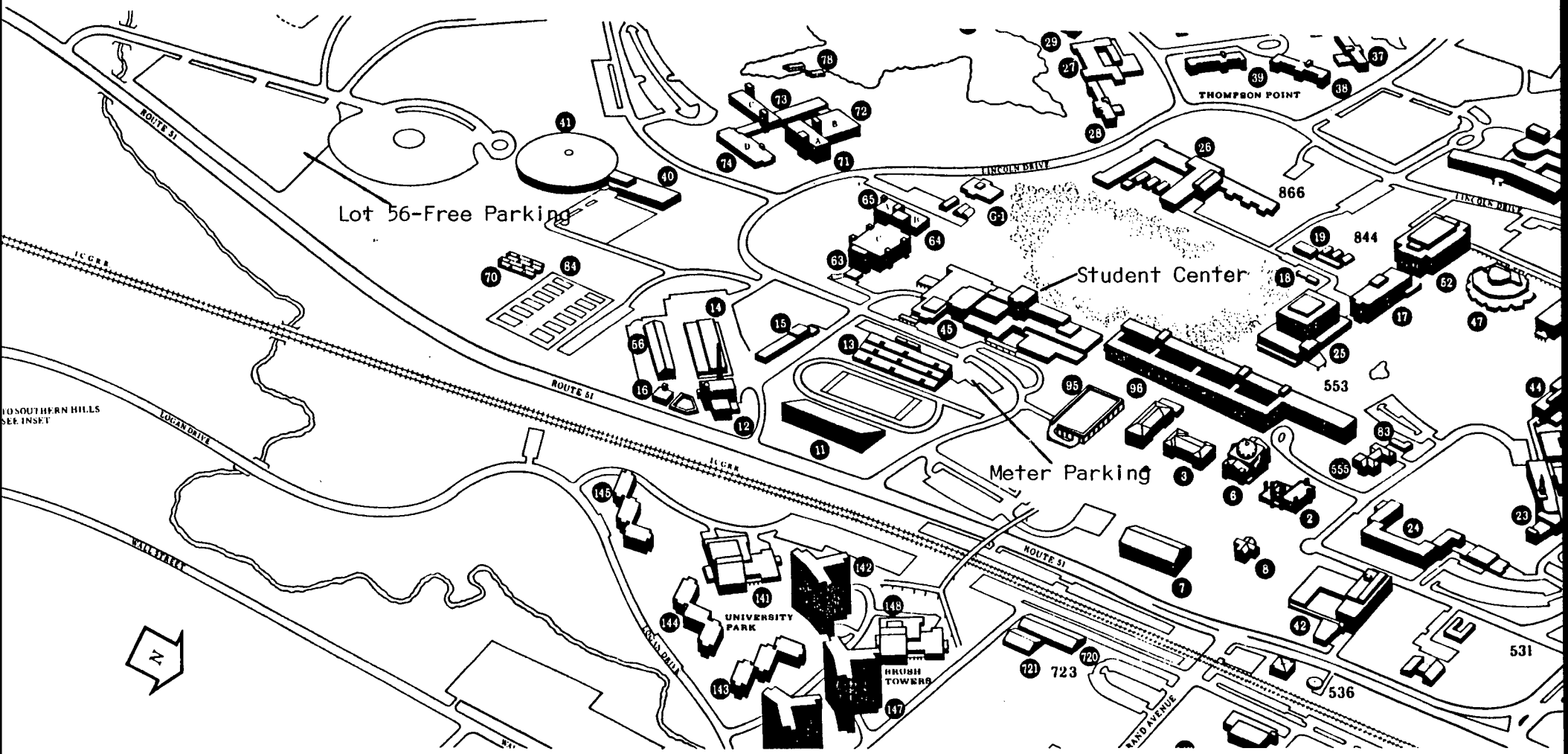
A G E N D A

HYDROLOGY AND GEOLOGY AS THEY RELATE TO THE MINING PERMIT PROCESS

SIU-C Student Center
Ballroom B

April 12, 1982

8:15 - 8:30	Opening Remarks by Douglas Downing
8:30 - 8:50	Geological Setting
8:50 - 9:10	Overburden Analysis
	Hydrologic Analysis
9:10 - 9:30	Peak-Average/Low Flow
9:30 - 9:50	Erosion Sedimentation
9:50 - 10:10	Water Quality
10:10 - 10:30	Ground Water
10:30 - 10:50	Aquatic Biology
10:50 - 11:10	Hydrologic Impact
11:10 - 12:10	References and Agency Support
	Illinois Department of Mines and Minerals
	Illinois Environmental Protection Agency
	Illinois State Water Survey
	Illinois State Geological Survey
	United States Geological Survey
12:10 - 1:30	Lunch Break
1:30 - 4:30	Continued Agency Support and Open for Questions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