

RESOLUTION NO. 91-142
A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF PASO ROBLES APPROPRIATING
FUNDING TO RETAIN EARTH SYSTEMS CONSULTANTS
TO PROVIDE A GEOTECHNICAL AND
ENVIRONMENTAL ASSESSMENT OF THE PROPOSED
LIBRARY CONSTRUCTION SITE

Whereas, the Paso Robles City Council has determined that it is in the highest and best interest of the City to construct a new Public Library Building; and

Whereas, quotations were requested and received to provide assistance in creating a geotechnical and environmental assessment of the proposed site; and

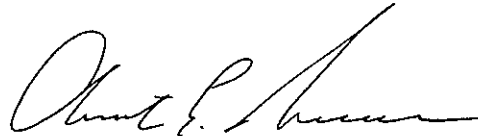
Whereas, Council has determined that it is in the best interest of the City to enter into an agreement with Earth Systems Consultants to provide this assessment.

NOW, THEREFORE, BE IT RESOLVED that:

The City Council appropriate \$20,000.00 from the Library Construction Fund (fund #223) to retain Earth Systems Consultants to conduct a geotechnical and environmental assessment of the proposed library site.


PASSED AND ADOPTED by the City Council of the City of Paso Robles, this 23rd day of October, 1991, on the following vote:

AYES: Martin, Picanco, Reneau, Russell and Iversen
NOES: None
ABSENT: None



MAYOR CHRISTIAN E. IVERSEN

ATTEST:



DEPUTY CITY CLERK, DAWN HUDSON



Earth Systems Consultants

Pacific Geoscience Division

Northern California

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SEP 25 1991

4378 Santa Fe Road
San Luis Obispo, CA 93401
(805) 544-3276
FAX (805) 544-1786

**BUILDING
DIVISION**

September 24, 1991

DOC. NO.: 9109-206.PRP

City of Paso Robles
Building Division
Attn: Mr. Doug Monn, Building Official
P.O. Box 307
Paso Robles, CA 93447-0307

**PROJECT: NEW PASO ROBLES CITY LIBRARY
SPRING STREET
PASO ROBLES, CALIFORNIA**

**SUBJECT: Letter of Intent to Provide a Geotechnical Engineering Investigation,
Geologic Hazards Study and Phase 1 Environmental Assessment**

**REF: Proposal for Geotechnical Engineering Investigation, Geologic Hazards
Study, and Environmental Assessment by Pacific Geoscience, Inc., Doc.
No. 9107-239.REV, dated July 22, 1991, revised August 20, 1991**

Dear Mr. Monn:

Per our recent meeting at the site with you and Mr. George Wolfrank of the Engineering Department, we intend to provide a geotechnical engineering investigation, a geologic hazards study, and an environmental assessment for the proposed Paso Robles City Library. The preliminary drawings provided for our review at the meeting indicate the structure will be built on the northern third of the city block surrounded by Spring, 10th, 11th and Park Streets. The southern two-thirds of the site will be developed with surface parking. We understand that the structure will be of masonry or steel with masonry veneer construction. The structure will be two-story and could contain a basement. Retaining walls up to 8 feet could be constructed. Maximum column loads of 150 kips, and maximum continuous loads of 5 kips per foot are anticipated. All structures currently occupying the site are to be removed.

Information regarding firm history and qualifications, the project team, related experience and client references are contained in our referenced proposal. Please



note that we are now called Earth Systems Consultants Northern California, Pacific Geoscience Division, after a recent corporate reorganization.

Summary of Project Approach

Geotechnical Engineering Investigation: The purpose of the geotechnical engineering investigation is to explore subsurface conditions and determine applicable geotechnical factors such as soil type, soil properties, depth to rock, and subsurface water conditions. This will be accomplished by drilling seven borings at the site, during the course of which representative undisturbed and bulk soil samples will be obtained. Five of the borings will be concentrated in the northern half of the site, which is the area planned for the structure. Borings in this area are planned to be drilled to the following depths: 25 feet (2 total), 40 feet (1 total), 50 feet (1 total) and 70 feet (1 total). As requested, a 2-inch diameter piezometer will be installed in the 70-foot boring, with a lockable cap and a traffic cover. The piezometer will be monitored during the field investigation only. Locking, maintenance, further reading and removal of the piezometer are the responsibility of the client. One boring to 5 feet and one boring to 10 feet are planned for the southern two-thirds of the site. The borings will be located in the areas marked during our field meeting, with any changes required due to conflicts with underground utilities. Borings will be extended to the planned depths, or to refusal, whichever is shallower. Soils will be classified in accordance with the Unified Soil Classification System (ASTM D 2488-84); copies of the logs will accompany the report. Standard penetration tests will be performed in each boring at selected intervals in accordance with ASTM D 1586-84. Soil samples will be tested in the laboratory to determine the following properties (the estimated numbers of tests are shown in parentheses):

- Consolidation under normal loads (4)
- Unconfined compressive strength (4)
- Unit weight and moisture (15)
- Maximum density versus optimum moisture (3)
- Expansion index by UBC Standard 29-2 (2)
- R-value (1)
- Angle of shearing resistance and cohesion (2)
- Sulfates, chlorides, pH and resistivity (3)



Results of the tests will form the basis of design criteria for site preparation, grading, utility trenches, foundations, slabs, retaining walls, surface drainage, mitigation of subsurface water conditions, and pavements. Recommendations for pavement sections will be provided based upon assumed traffic indices, or on traffic indices provided by the project civil engineer or the client.

Criteria for site development will be presented in a soils engineering report intended to fulfill the requirements of Sections 2905(c) and 7006(e) of the Uniform Building Code (1991 edition), standard soils engineering practice, and the items discussed in your request for proposal dated August 7, 1991.

Geologic Hazards Survey: The purpose of the geologic hazards survey is to determine the geologic factors that will influence the proposed development. As the geologic hazards survey consists of a scope of work distinct from the geotechnical engineering report, we will issue a separate geologic hazards report. The report will be in accordance with California Division of Mines and Geology, Note 44, and San Luis Obispo County Geologic Report, Section 22.07.080 or 23.07.080 Guidelines. The scope of services provided in this study will consist of the following:

1. Site reconnaissance and field mapping to observe and note the site topography as related to the local geologic structure and stratigraphy.
2. Research of existing geologic publications to evaluate geologic conditions that may not be readily observable at the site.
3. Review of conditions encountered in the exploratory borings for the geotechnical engineering investigation.
4. Review and evaluation of geothermal conditions on or in the vicinity of the site.
5. Evaluation of seismic hazards such as ground shaking, liquefaction, settlement, ground cracking and seismically induced landsliding.
6. Evaluation of distant and local faults with respect to the site including their activity, probability of occurrence, and ground accelerations.
7. Discussion of the information obtained from Items 1 through 6 and its effect on the proposed development.

Phase 1 Environmental Assessment and Subsurface Investigation: The Phase 1 environmental assessment will be subcontracted to Earth Systems Environmental, Inc. (ESE), one of our affiliated firms. This is a limited assessment,



the purpose of which is to evaluate the potential for soil or groundwater contamination related to the possible past use, storage, or handling of hazardous materials on or around the site. The assessment will consist of a site reconnaissance, where physical evidence of potential contamination, if any, will be noted. Interviews with past or present tenants of the site will be conducted, if possible, regarding its past use. The site reconnaissance will be augmented by an investigation of the site history, which will involve a review of documents related to the property, building permits, aerial photographs, and maps related to land-use, oil, and gas production. Regulatory agencies will also be contacted to ascertain whether environmental impairments are known, or suspected, to exist on or adjacent to the property.

Because preliminary information provided by the City indicates the former presence of underground fuel tanks on the property, soil borings are proposed by ESE. These borings will be drilled in the northwest and southwest corners of the property, with the intent to evaluate the possible impacts the former tanks may have had on soils in these areas. If soil contamination is found to be extensive, additional work, including an evaluation of possible threats to ground water quality, may be warranted. A complete copy of Earth Systems Environmental Inc.'s proposal for the assessment is attached.

Fees

Geotechnical Engineering Investigation:

Field Investigation.	\$3,750.00
Laboratory Analysis.	\$3,050.00
Engineering Analysis and Report Preparation	\$2,500.00
Total.	\$9,300.00

Geologic Hazards Study:

Field Reconnaissance	\$ 340.00
Literature Research	\$ 595.00
Seismic Analysis	\$ 525.00
Geothermal/Hot Spring Research	\$ 500.00
Report Preparation	\$ 540.00
Total.	\$2,500.00



Phase 1 Environmental Assessment and Subsurface Investigation:

Site Assessment Research	\$1,350.00
Health/Safety Plan Preparation	\$ 140.00
Drilling and Sampling	\$3,325.00
Laboratory Analysis	\$1,380.00
Report Preparation/Project Management.	\$1,550.00
Total	\$7,745.00

Payment Schedule

Balance due upon presentation of invoice.

Schedule and Conditions

The fees and conditions of this letter will remain in effect for a period of 90 days. It is expected that work on the project could be initiated within 7 working days following receipt of authorization to proceed. The final geotechnical engineering and geologic hazards reports are expected to be available in approximately 14 to 21 working days following completion of field work. With a normal laboratory turnaround time for the environmental samples, the environmental assessment is expected to be available in 20 to 27 working days following completion of field work. Data from any of the three investigations can be made available to the architect, engineer, or other design professionals as soon as available. The fee does not include charges for meetings, plan reviews, construction testing, or other such services. Fees for such services will be charged at the hourly rates in effect at the time of the services request.

Items requested from the City of Paso Robles will include a copy of the current site plan prior to the issuance of the geotechnical and geologic hazards reports, and continued communication throughout the project to apprise us of the progress of the project with respect to building concepts.

Underground Service Alert will be contacted to locate utilities that fall within their scope of services. However, responsibility for accurate location of underground utilities lies with the client and Earth Systems Consultants Northern California shall not be held responsible for damage resulting from the client's failure to provide such information. Borings for the geotechnical engineering investigation will be backfilled with on-site material. Borings for the environmental assessment will be backfilled with a bentonite/sand cement slurry. Analysis of the soil for chemical or other properties,



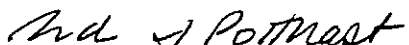
other than as described under the Phase 1 environmental assessment, is beyond the scope of the proposed investigation.

If the client finds the proposed scope of work, terms (attached), and fees satisfactory, the return of the attached work order, signed and dated by the party responsible for payment, will constitute authorization for work on the project to begin. This agreement can be terminated by either party upon notification in writing. Earth Systems Consultants Northern California responsibility for the project will end upon completion of the services described herein or termination of the agreement, unless authorization to perform additional work and agreement for payment thereof is provided by the client.

Thank you for your consideration of this proposal. If you have any questions, or if we can be of service in any way, please call this office at your convenience.

Respectfully submitted,

EARTH SYSTEMS CONSULTANTS
Northern California


Fred J. Potthast, Vice President
Pacific Geoscience Division

FJP/lr

Attachments: Work Order
Terms and Conditions
Earth Systems Environmental Proposal

12TH ST.

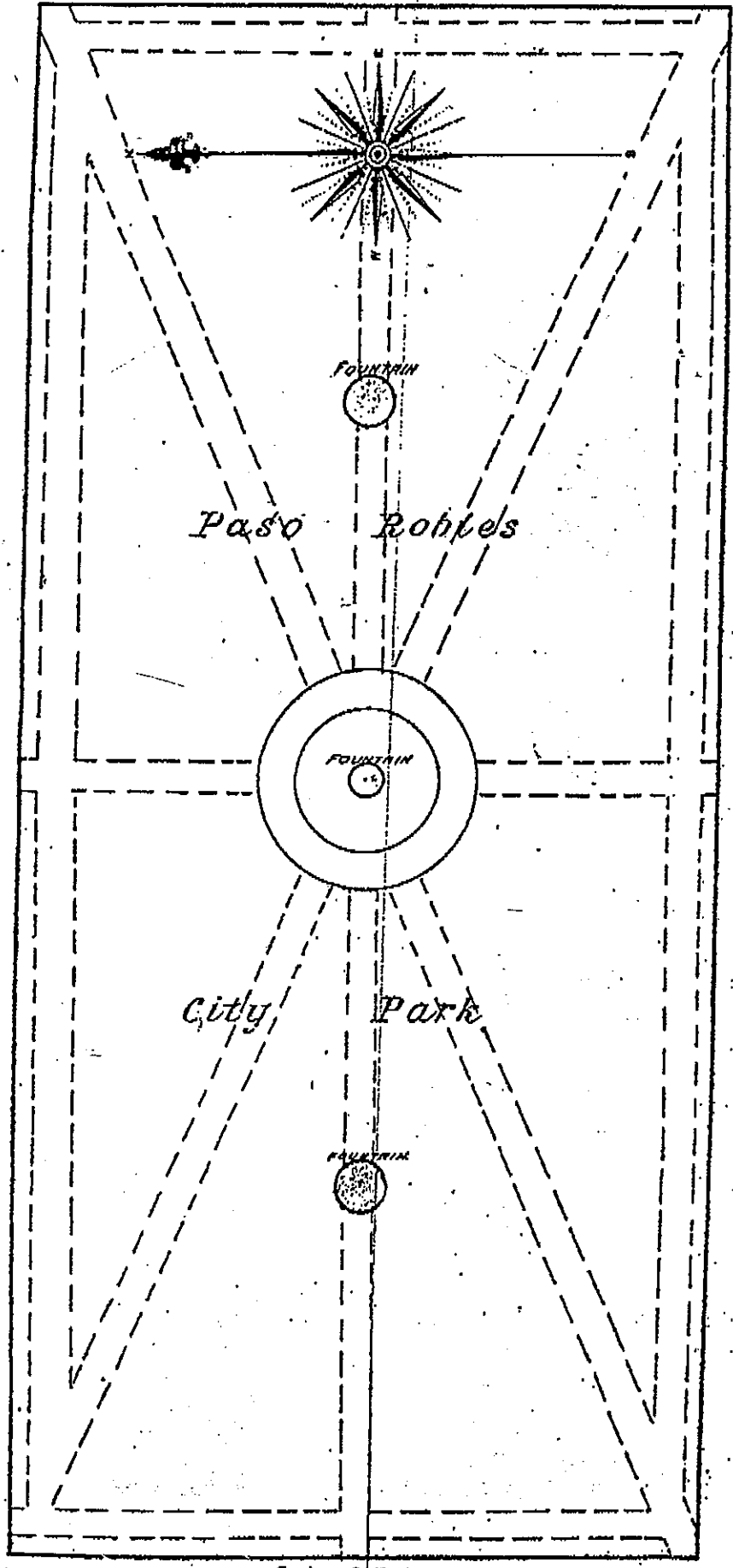
PARK ST

278-461

80

888

11TH ST.



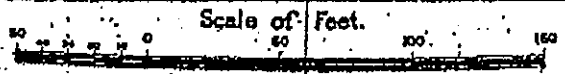
Paso Robles

City Park

FOUNTAIN

FOUNTAIN

FOUNTAIN



SPRING

Hot Sulphur Springs

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APR 26 1991

BUILDING DIVISION

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PARK ST

1870
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12th ST

11th ST

11th ST

Springs

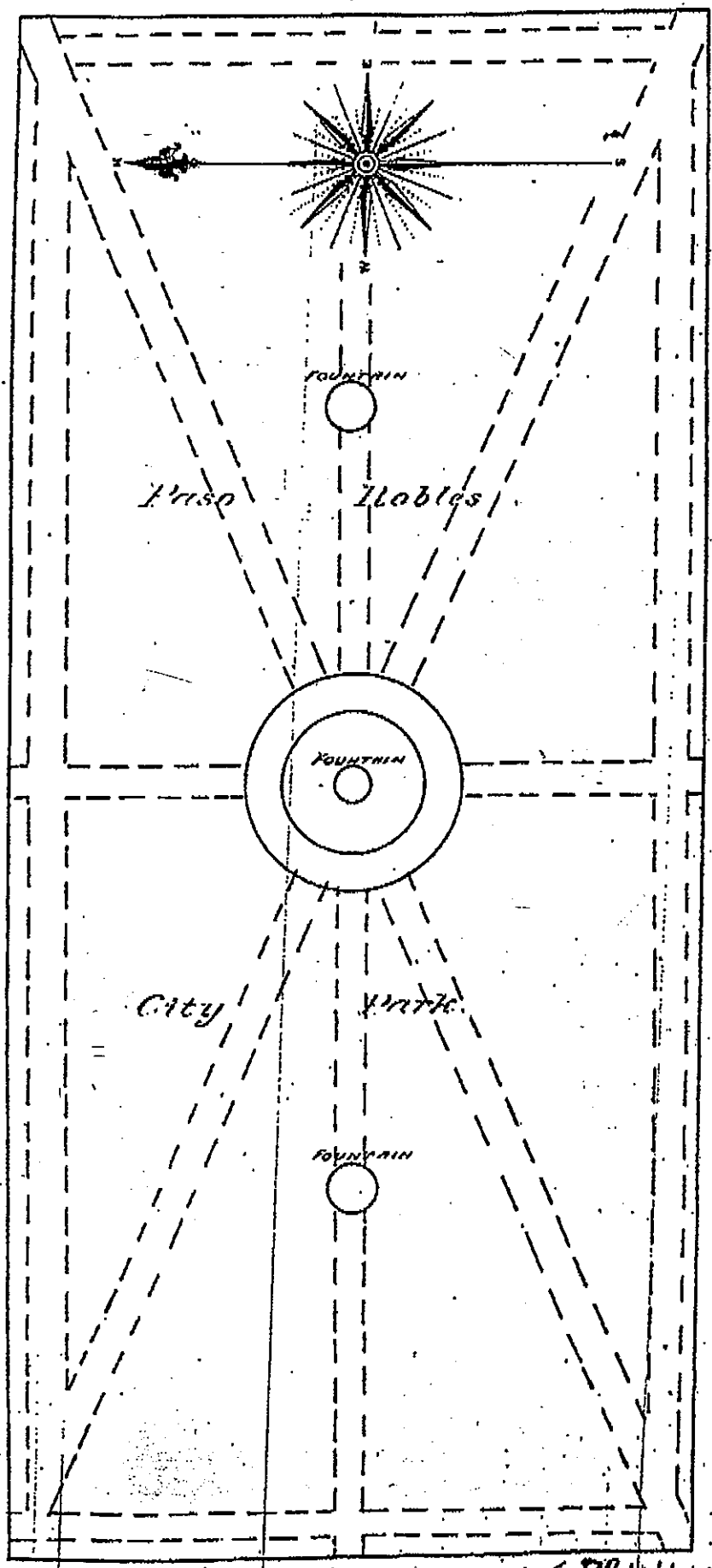
Sulphur

Hot

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BUILDING DIVISION



30'

60'

Scale of Feet.

SPRING ST

Library of Congress

SPRING ST.

90'

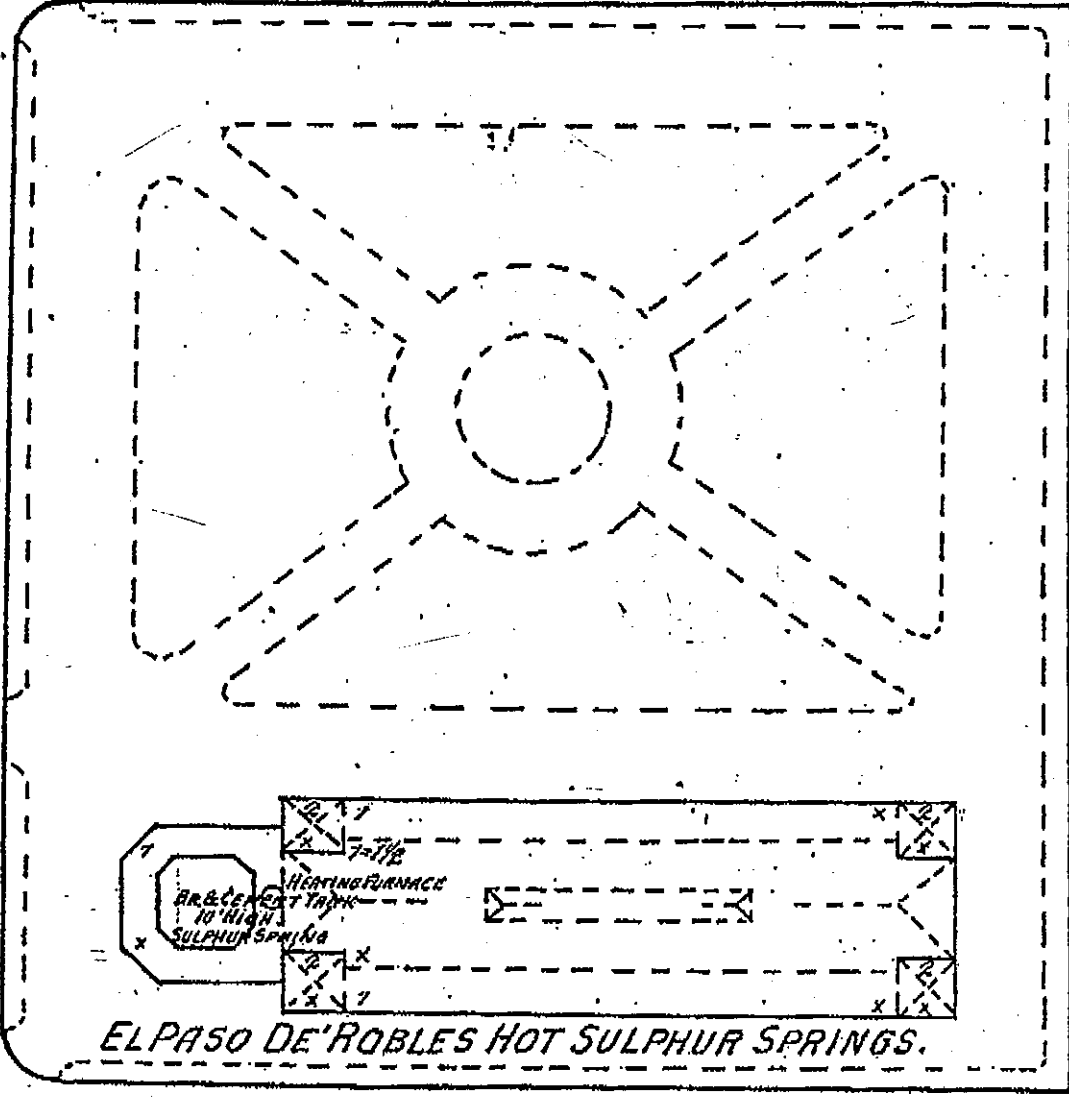
11th St.

1892
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PARK

80'

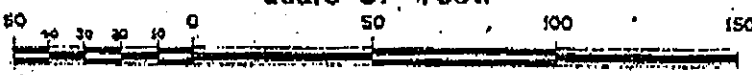
37 38 39 40 41 42 43 44 45 46 47 48



80'

10th St.

Scale of Feet.



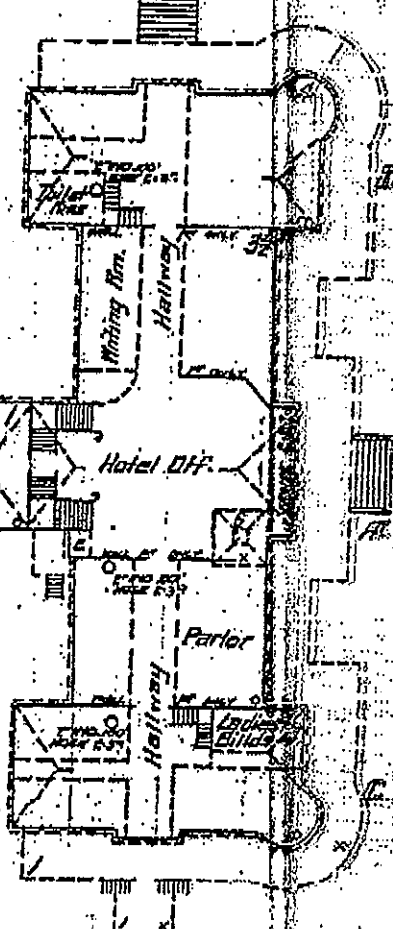
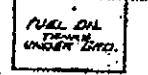
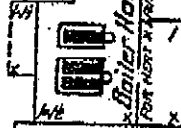
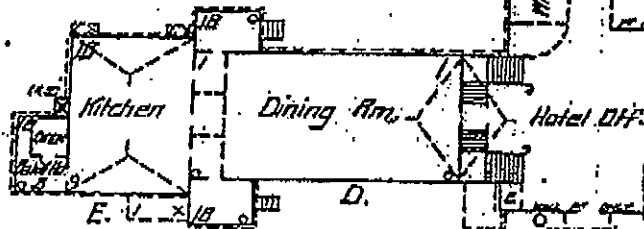
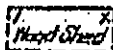
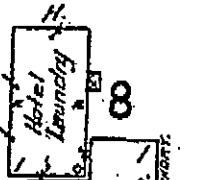
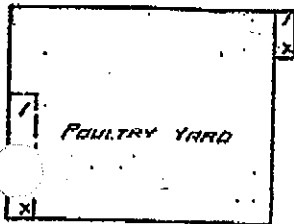
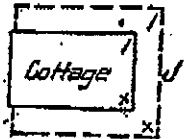
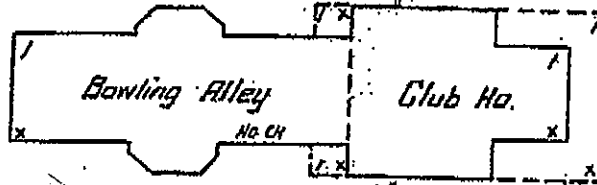
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SEP 26 1991

BUILDING DIVISION

N O F O R U R H

*DOUG
DID YOU KNOW
ABOUT THIS?
FRED*



EL PASO DE ROBLES HOTEL

HEAT STEAM & GRATES. - LIGHTS ELECTRIC AND CANDLES
6" 1/2" HOSES & 600' HOSE. - 18 FIRE PAILS. - AUTOMATIC ELEC.
FIRE ALARM IN EACH ROOM. - 2 MEN ON DUTY - ALL NIGHT.
WINDOW ALL SIDES.

STATE OF THE ART!

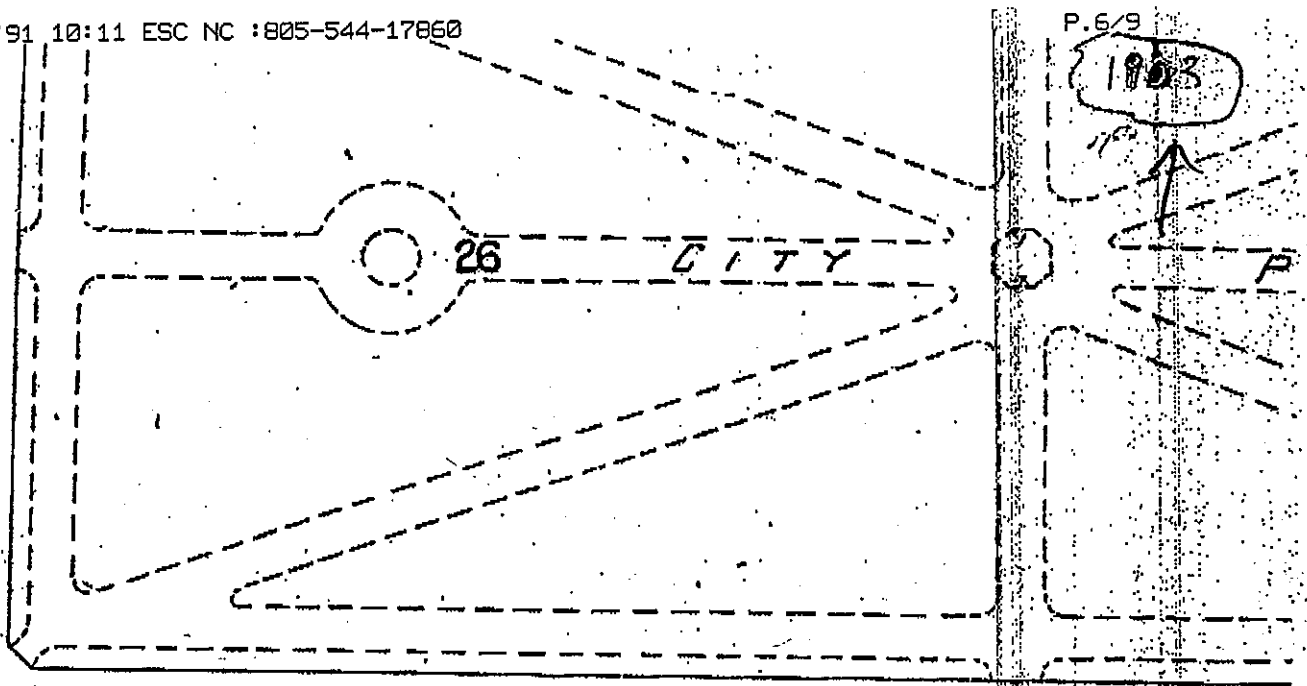
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**BUILDING
DIVISION**

6" N.P.

SPRING

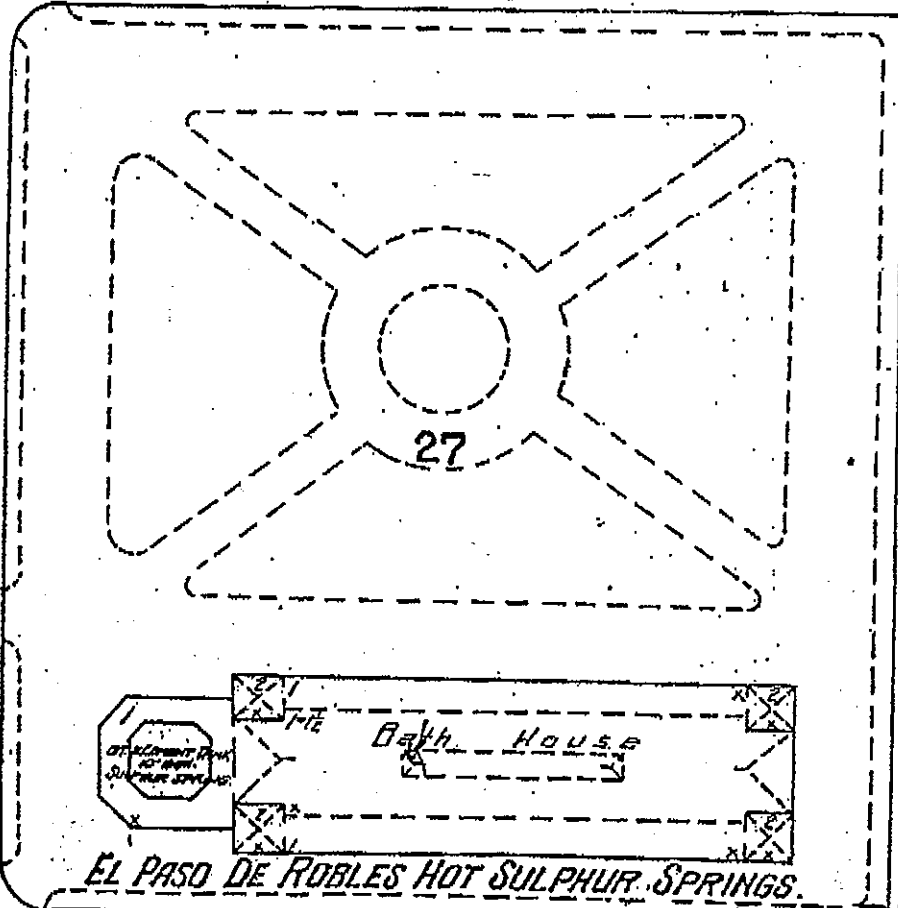


1103

30'

11th Street

8



PARK

30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

HERE STREAM FROM HOTEL BOULEVARD. WATER HAS NATURAL HEAT.

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10th Street

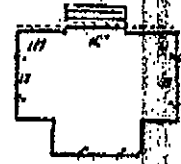
6" N.P.

30'

556
(26)

CITY

1910
P.A.
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PUBLIC LIBRARY

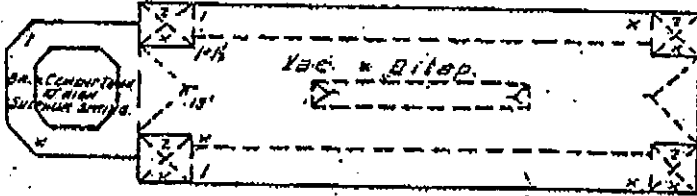
SPRING

DN

11th Street

555
(27)

PARK



80'

12 10th Street

RECEIVED

SEP 26 1991

BUILDING
DIVISION

1926

556

PUBLIC LIBRARY
PLAZA - GATEWAY



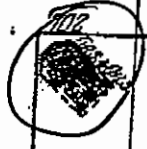
GREEN 110

6' x 12' - SPRING

DH. 701

11th Street

80'



80'

14

555

PARK

8' x 14' 1/2'
10' HIGH
(NOT USED)

10th Street

RECEIVED

SEP 26 1991

19

BUILDING DIVISION

80'

701

80'

DH.

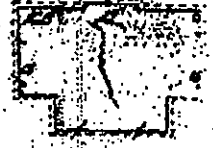
80'

1946

6th SPRING

586

PUBLIC LIBRARY
BLACKSBURG, VA



6000

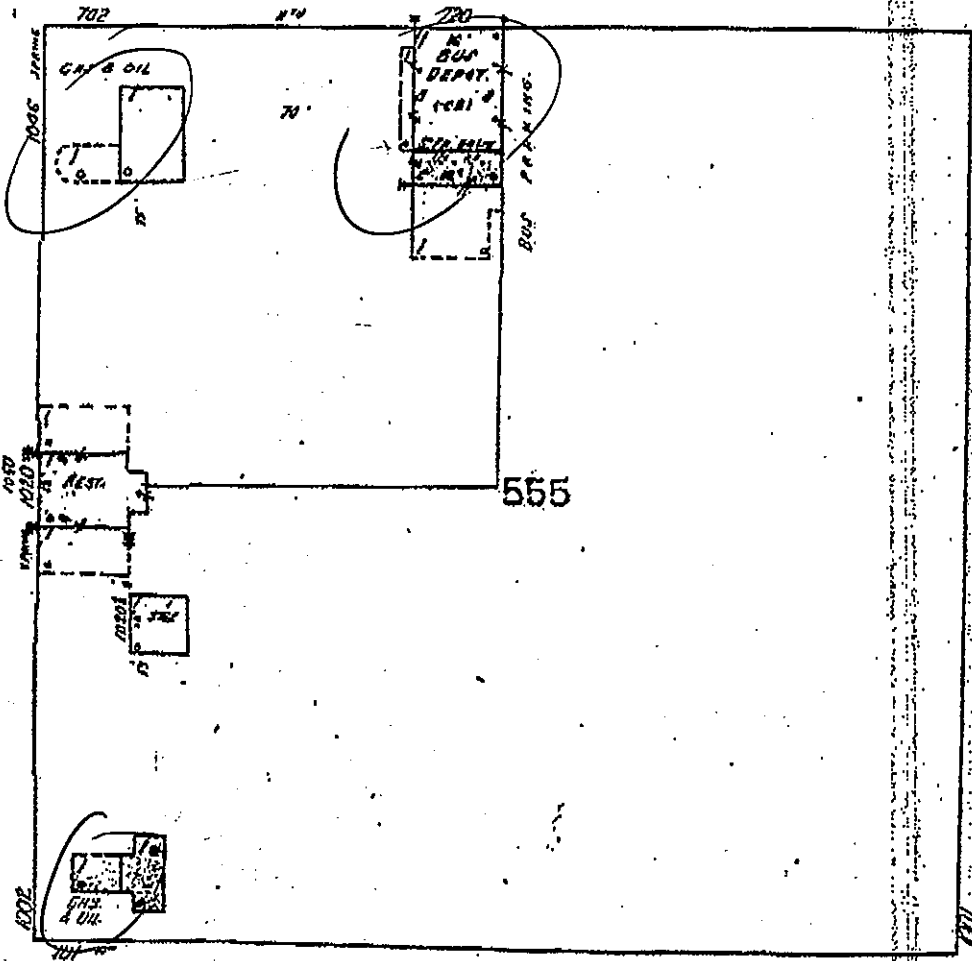
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701

11th Street

60'

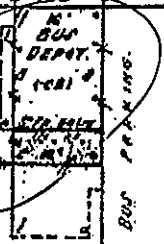
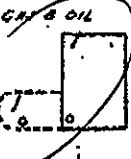
14



702

720

7006 SPRING



555

7020

RESTA



7022

60'

PARK

60'

6th ST

60'

10th Street

DH.

RECEIVED

SEP 26 1991

19

BUILDING DIVISION