

TRANSMITTED FOR ADP

Coded By 0 11/88
Checked By _____
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Date _____

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 202
County Forrest
Agency _____

Well No. D112
312 D

WELL RECORD

Agency Code U S G S Site Id 1431119156089210217d11 Project No. 5111111111 **Hattiesburg Quad**

Station Name 12411112114ATITILESBURG Latitude 9-311119156 Longitude 10-089210217

Lat/Long Ac. 11(S) F T M Dist 6=28 State 7=28 County 8=01351 SW Land Net 13=SW15W1S105T104N1R1131W1

Location Map 14=114ATITILESBURG Altitude 16=210101 Met/Meas 17=ALM Accuracy 18=151 Hydrologic Unit 20=013117D010141

Agency Use 803=AI Date Invented 711=09/125/1191818 Station Type _____ Data Type _____

Instru. 805 Remarks _____ Relia. 3=C L M U 2=W X

Date of Construction 21=09/123/1191818 Well Use 23=W Water Use 24=P Primary Aquifer 714=112121THL Hole Depth 27=910171

Well Depth 28=171101 Water Level 30=183 Water Level Date 31=11/118/1191818 Method 34=1 Status 37=1 Source 33=D

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60=11/118/1191818 Contractor 63=016141 Name Layne Method 65=H Finish 66=G

CONSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
<u>76</u>	<u>A</u>	<u>725#1</u> <u>59#1</u>	<u>77=1101</u>	<u>78=161051</u> <u>79=2101</u>

R	T	Top/Casing	Bot/Casing	Diameter
<u>76</u>	<u>A</u>	<u>725#2</u> <u>59#1</u>	<u>77=512101</u>	<u>78=161051</u> <u>79=1101</u>

R=76 T=A 725#3 59#1 77#166
78=679
79#10

CONSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
<u>82</u>	<u>A</u>	<u>726#1</u> <u>59#1</u>	<u>83=161051</u>	<u>84=166161</u>	<u>85=S</u>	<u>89=</u>	<u>88=1012101</u>

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
<u>82</u>	<u>A</u>	<u>726#2</u> <u>59#1</u>	<u>83=167191</u>	<u>84=171101</u>	<u>85=S</u>	<u>89=</u>	<u>88=1012101</u>

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43=T Date 38=11/118/1191818 Intake 44=

Power 45=E H.P. 46=125 Serial No. 49=

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159= Owner Name 161=HATTIESBURG

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190=210121 Assigner 191=M I S S I D I S T

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / /	Aquifer Sampled 195	Temp 196#00010	Value 197
R=192	T=A	738#2	Date of Measurement 1934 / /	Aquifer Sampled 195	Sp Cond 196#00095	Value 197
R=192	T=A	738#3	Date of Measurement 1934 / /	Aquifer Sampled 195	pH 196#00400	Value 197

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E	Beg. Depth 200	End Depth 201 11014
R=198	T=A	739#1	Log Type 199#D	Beg. Depth 200	End Depth 201 11071

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beg. Year 115	End Year 116	Agency Source 120=A	Freq. 118
R=121	T=A	730#2	Beg. Year 115	End Year 116	Agency Source 117	Freq. 118

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184 / / 18 / 18	Remarks MS-6W-08938
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148 / / 18 / 18	Type 703	Discharge 150	Sp. Capacity 272
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GEOHYDROLOGIC DATA

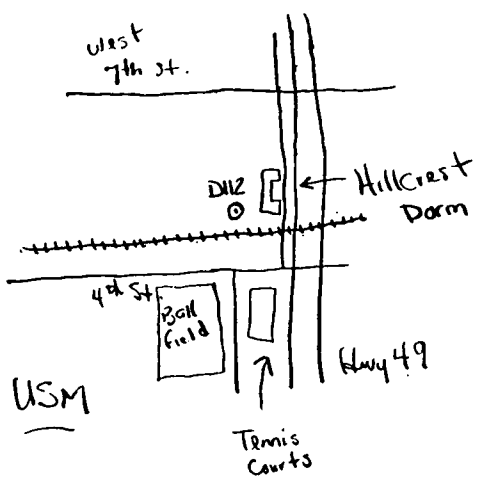
R=90	T=A	721#1	Depth Top 91	Depth Bot. 92	Unit Id 93	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100	103
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(Behind Hillcrest Dorm) Well #2 @ USM

Top Soil	0	4
White Clay	4	118
Sandy Clay	118	168
Hard Clay	168	170
Sandy Clay	170	210
Blue Clay & Sand S&S	210	283
Sand & Clay & Gravel S&S	283	440
Sand & Clay S&S	440	499
Coarse Sand	499	531
Sand & Clay S&S	531	577
Clay	577	599
Sandy Clay	599	634
Sand	634	665
Sand & Clay S&S	665	673
Sand	673	718
Sand & Clay S&S	718	781
Sandy Clay	781	812
Clay	812	816
Rock	816	870
Hard Clay & Lime S&S	870	880
Clay	880	907



Well #2
 Forrest
 D 112

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
 Bureau of Land and Water Resources
 Southport Mall
 P.O. Box 10631

Orded

Jackson, Mississippi 39209

WATER WELL DRILLERS LOG

FORREST

11/12/88 19 Laure Central Co. Forrest
 date well completed firm name county well located

LANDOWNER: City of Hattiesburg P.O. box 1898 Hattiesburg, MS 39401 (mailing address)	description of formations encountered	from	to
WELL LOCATION: SW 1/4 of SW 1/4 of SW 1/4 sec. 5 T. 4 N. R. 13 E. W. 8	Top Soil	0	4'
(distance) miles (direction) of (nearest town)	White Clay	4'	118'
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	Sandy Clay	118'	168'
WELL COMPLETION DATA:	Hard Clay	168'	170'
(1) diameter (inches) 20"	Sandy Clay	170'	210'
(2) total depth (feet) 715'	Blue Clay & Sand Stks	210'	283'
(3) static water level (feet) 83' below top of ground.	Sand & Clay & Gravel Stks	283'	440'
(4) casing Steel, 605' (material) (depth)	Sand & Clay Stks.	440'	499'
20" if telescope see back. (size)	Coarse Sand	499'	531'
(5) screen 91.5', 715' (length) (depth to top)	Sand & Clay Stks.	531'	577'
10" Stainless steel (size) (material)	Clay	577'	599'
(6) pump 125 (HP) 1250 (yield gpm)	Sandy Clay	599'	634'
Electrical (type power)	Sand	634'	665'
(7) electric log Yes (yes or no)	Sand & Clay Stks.	665'	675'
Laure Central Co. (organization running log)	Sand	675'	718'
(8) how well bottom plugged B.P.V.	Sand & Clay Stks.	718'	781'
	Sandy Clay	781'	812'
	Clay	812'	866'
	Rock	866'	870'
	Hard Clay & Lime Stks	870'	880'
	Clay	880'	907'
DRILLERS REMARKS:			
Permit # MS-BW-08938			

APPLICATION FOR BENEFICIAL USE OF THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

RECEIVED FEB 10 1998

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 10631, DALLAS, MISSISSIPPI 39289-0631; (601) 961-5202

Table with 4 columns: Issued, Expires, Fee Paid, Permit No.; Lat., Long., Elev., USGS No.; Quad, ASCS Farm No., STAC, MSDOH No.; Aquifer, Tract No., Basin No.; Remarks, Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): NEW PERMIT RENEWAL - PERMIT NO. MS-GW-08938

THIS APPLICATION IS FOR (Circle one): GROUNDWATER - COMPLETE A,B,E SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply Municipal Rural Water, or Private Water 2) Irrigation 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other:

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: City of Hattiesburg (Name) 64-6000-432 (SSN or Tax ID No.) P.O. Box 1898 (Address) Hattiesburg, MS 39403-1898 (City) (State & Zip) (601) 545-4500 (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner): (Name) (SSN or Tax ID No.) (Address) (City) (State & Zip) (Telephone)

MAP SENT

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application): SW 1/4 of the SW 1/4 of Section 5, Township 04 N, Range 13 W, County Forrest

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Miocene MISSISSIPPI DEPARTMENT OF HEALTH NO.: 180008-11
2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____. If well has already been drilled, when was well completed (date)? March 11-18, 19 88. Under whose name was well originally drilled (if known)? City of Hattiesburg
3. Description of proposed or completed well: (a) DEPTH OF WELL: 700 715 feet. DRILLER: Layne Central Company (b) SURFACE CASING: Length 618 605 feet; Diameter 20 inches; Type Steel (c) SCREEN: Length 91 feet; Diameter 10 inches; Type Stainless Steel (d) PUMP: Type Turbine; Size 125; Capacity 1000 1250 gallons per minute; Setting depth 200 feet (e) POWER UNIT: Type Electric; Size 125 horsepower

4. PERMITTED VOLUME: (a) _____ acre-feet per year at a maximum rate of _____ gallons per minute (b) 1.0 0.46 million gallons per day at a maximum rate of 1000 1250 gallons per minute

(CONTINUED ON BACK) 2-25-98

SECTION C (to be completed for SURFACE WATER SOURCE)

- 1. Source of water is from ... which drains into ...
2. Description of pump/diversion works: Pump (size & type): ... Power Unit (size & type): ...
3. ... acre-feet per year at a maximum rate of ... gallons per minute

SECTION D (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)

- 1. Name of storage reservoir: ... Dam Height: ... feet
2. Surface area at normal pool: ... Storage capacity at normal pool: ... acre-feet

SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)

- 1. IRRIGATION: List the number of acres of each crop to be irrigated: Rice, Cotton, Oats, Corn, Soybeans, Pasture, Truck, Wheat, Grain Sorgum, Other (specify) Acres
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow
B. Land Condition (circle one) - Precision Land Formed Smoothed
C. ASCS Farm No. Tract No.
2. FISH CULTURE: Explain how water will be used: ...
3. MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM
Chose "a" or "b". (a) The number of people served is ... or (b) The number of connections is 15,300
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?
4. INDUSTRIAL: If the water is to be released into a watercourse, indicate the amount released each year ...
5. RECREATION: Explain how water will be used: ...
6. OTHER USE: Explain in detail (if needed, attach another page): ...
7. REMARKS: ...

List below the person to be contacted for additional information if required.

Charles Henderson
(Name)
Water Plant #2, 100 James St.
(Address)
Hattiesburg, MS 39401
(City, State, Zip)
601-545-4530
(Telephone)

The accompanying map is hereby declared a part of this application.
For irrigation and fish culture use, an ASCS photograph is required.
The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

(Signature)

Subscribed and sworn to before me this 16th day of January, 1998, at Forest County of Mississippi

My commission expires 11/22/99 Commission Expires November 22, 1998 Judith H. Gray Notary Public.

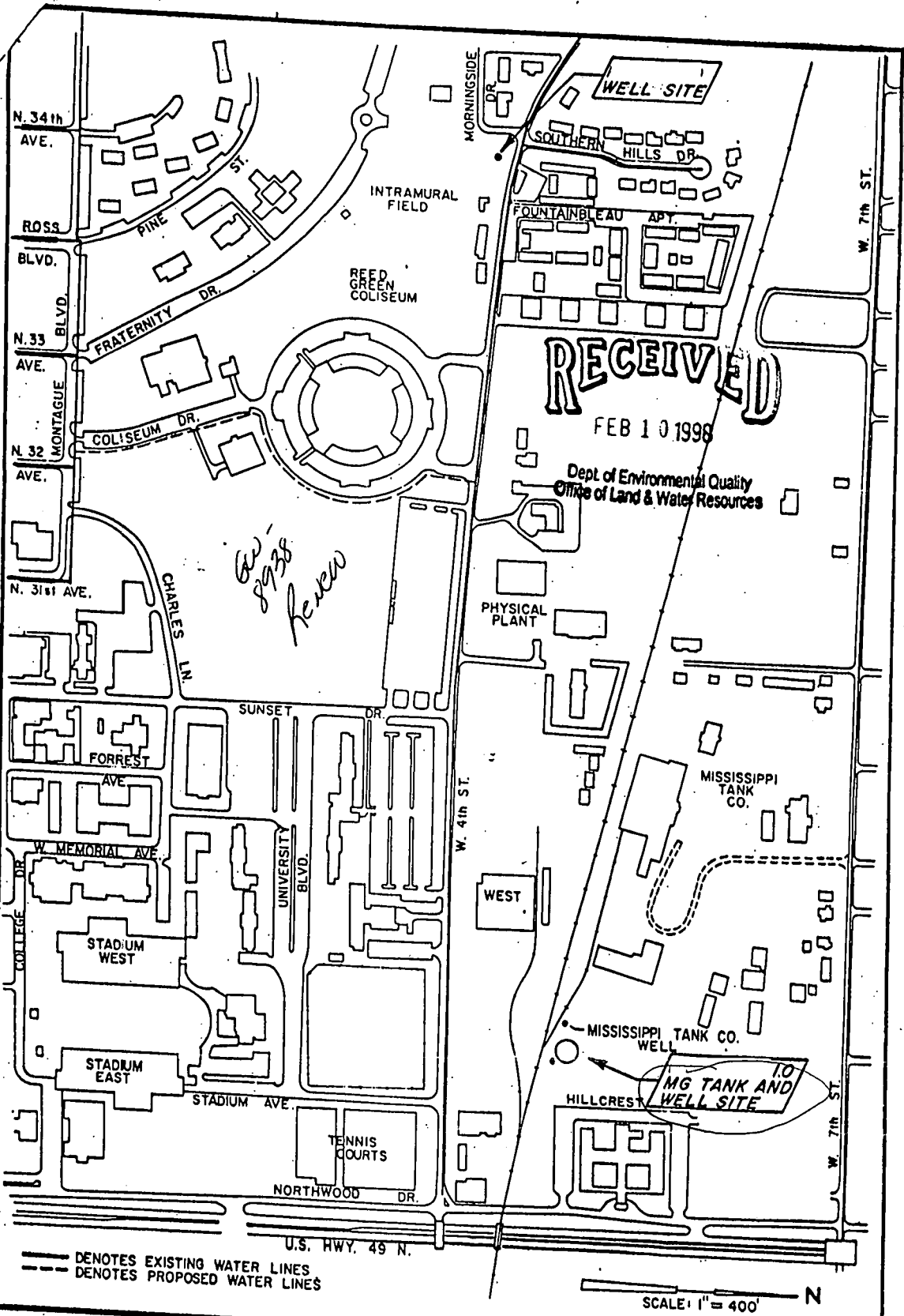
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Hattiesburg
Quad.

GPS LOG

USER NAME(S): CA. Hornbeak DATE: 6/29/94
UNIT DEQ #: 82555 FILE #: C062917A
HEALTH DEPT. #: 180008-11 ELEV. 2000
USGS #: 2-119 D112 OLWR #: 8938
OWNER: City of Hattiesburg
LOCATION: SE-SW-SW S 5 T 4 N R 13 W COUNTY: Forrest
LOCATION DESCRIPTION: AT Elev. Tank, NW of Intersection
of Hwy 49 & 4th St. / SW of Hillcrest Bldg.
CASING DIA: 20" PUMP TYPE & SIZE: 125 HP Elec.
GPS FIELD LOCATION: LAT. 31° 20.002 LONG. 89° 19.887
GPS CORRECTED LOCATION: LAT. 31 19 58.957 LONG. 89 19 51.386
31.333643 89.330940
REMARKS: GPS at Well.



RECEIVED
 FEB 10 1998

Dept of Environmental Quality
 Office of Land & Water Resources

*60-8938
 REVIEW*

**10
 MG TANK AND
 WELL SITE**

— DENOTES EXISTING WATER LINES
 - - - DENOTES PROPOSED WATER LINES

SCALE: 1" = 400' N

TANK AND WELL SITE (ALT. 1)

FOR: CITY OF HATTIESBURG

SURVEYED BY:
 N/A

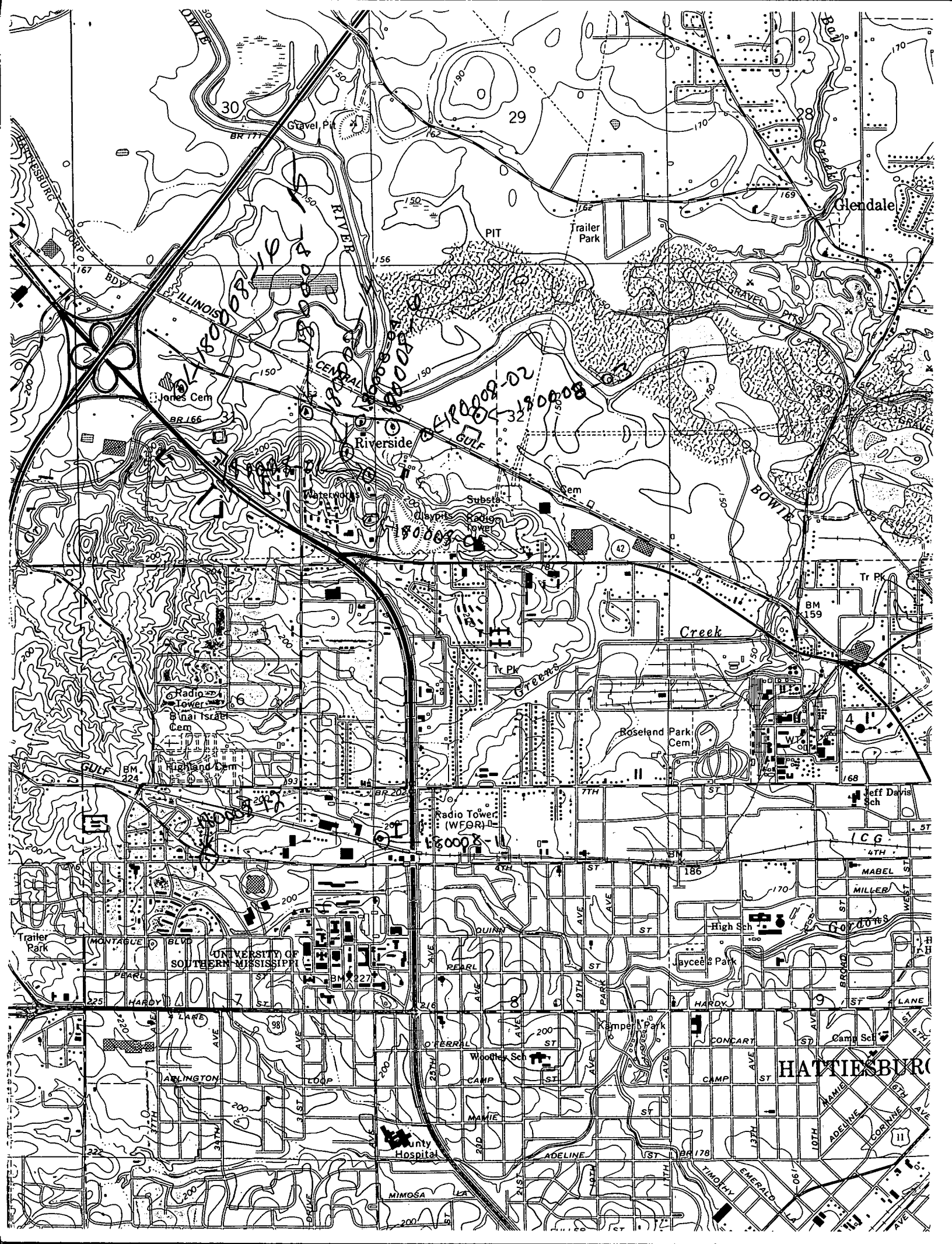
PREPARED BY
THE WALKER ASSOCIATES
 ENGINEERS ■ PLANNERS ■ DESIGNERS
 2205 HARDY STREET P.O. BOX 189
 HATTIESBURG, MISSISSIPPI 601-583-2127

DRAWN BY:
 CLINE: 10-1-87

SERIAL NO:
 210-86

DRAWING NO:
 1177

DATE:



Glendale

PIT

Trailer Park

Jones Cem

Riverside

32190208

BOWLER

Creek

Radio Tower
Lower
Binai Israhel
Cem
Highland Cem

Radio Tower
(WFOR)

Roseland Park
Cem

Jeff Davis
Sch

Trailer
Park

UNIVERSITY OF
SOUTHERN MISSISSIPPI

High Sch

Paycee Park

Kemper Park

HATTIESBURG

County
Hospital

CAMP

CONCART

WOODS

WOLFE

WOLFE

WOLFE

WOLFE

WOLFE