

11

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GW01127
DON # 160002-02

F 22
PUNCHED
MAR 23 1975

PUNCHED

FORM 9-1642
(1-68)

Well No.

WELL SCHEDULE
GEOLOGICAL SURVEY

Elog # 60
WATER RESOURCES DIVISION

MASTER CARD

Record by Q Source of data Drillers MSGS Date 1/72 Map Collins

State 46 County 28 (or town) Covington 16

Latitude: 31° 38' 58" N Longitude: 08° 09' 33" W Sequential number: 1

Lat-long accuracy: 3 T 8 N 16 E Sec 24 NE SW NE W

Local well number: F022AB2408N16W Other number: #1 #2

Local use: 18460 Owner or name: COLLINS

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist MU M

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Fire, (F) Dom, (G) Irr, (H) Med, (I) P S, (J) Rec, (K) Stock, (L) Instit, (M) Unused, (N) Reppure, (O) Recharge, (P) Desal-P S, (Q) Desal-other, (R) Other P

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed. W

DATA AVAILABLE: Well data Freq. W/L meas.: Field aquifer char.

Hyd. lab. data:

Qual. water data: type: MOON 117E P

Freq. sampling: Pumpage inventory: no, period:

Aperture cards: CTHL

Log data: 10' - 901' E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 724 ft Meas. rept accuracy 3

Depth cased: 664 ft Casing type: 16x8 in 16

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) other G

Method Drilled: (A) air rot., (B) bored, (C) cable, (D) dug, (E) hyd rot., (F) jetted, (G) air percussion, (H) reverse, (I) trenching, (J) driven, (K) wash, (L) other H

Date Drilled: 12-31-71 9:7:1 Pump intake setting: 265 ft

Driller: Hunter Drilling Co.

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple (cent.), (F) multiple (turb.), (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other T Deep Shallow

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 50 V Trans. or meter no. 50

Descr. MP 2" well at 1.7' above ft below LSD, Alt. MP 280 12/31/81

Alt. LSD: 275 270 Accuracy: 5

Water Level: 40 ft below MP; 40 ft below LSD Accuracy: D

Date meas: 071 Yield: 500 gpm Method determined

Drawdown: 0 ft Accuracy: 0 hrs Pumping period 0 hrs

QUALITY OF WATER DATA: Iron ppm 0 Sulfate ppm 0 Chloride ppm 0 Hard. ppm 0

Sp. Conduct K x 10 0 Temp. °F 0 Date sampled 0

Taste, color, etc. 0

12/31/81
61
1.10
59.90
1.7
59.20
280
58
222

612 16"
60" 8"

Latitude-longitude N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

D Drainage Basin: 13N Subbasin:

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (M) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat.

MAJOR AQUIFER: system _____ series T M aquifer, formation, group M Z

Lithology: U S Origin: 3 Aquifer Thickness: 80 ft

Length of well open to: 80 ft Depth to top of: 640 ft

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened: _____

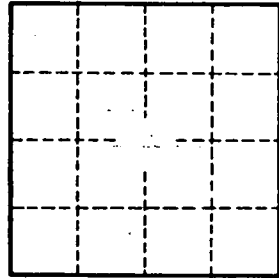
Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____



100' 670 gpm @ 0#
495 @ 65#

Well No.

CODED

ELOG#60

COVINGTON
F22
3-72
GW 01127

MISSISSIPPI
 BOARD OF WATER COMMISSIONERS
 416 North State Street
 Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

March 1972 Y RIVER DRILLING SERVICE COVINGTON
 date well completed firm name county well located

LANDOWNER: TWIN OF
COLLINS, Well No. 1

WELL LOCATION:
 sec. 24 T. E N. R. 16 E
NE 1/4 miles of Substation
 (distance) (direction) (nearest town)

WELL PURPOSE:
 (home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

- (1) diameter (inches) 16
- (2) total depth (feet) 724'
- (3) static water level (feet) 39' ^{below} _{above} top of ground.
- (4) casing B.I. 640'
 (material) (depth)
16 If telescope see back.
 (size)
- (5) screen 60' 664 (14' Blk)
 (length) (depth to top)
8" 030 Slot 304 S.S.
 (size) (material)
- (6) pump 50 500
 (HP) (yield gpm)
Elect. Turbine
 (type power)
- (7) electric log Yes
 (yes or no)
YES
 (organization running log)
- (8) how well bottom plugged Back
WASH VALUE

description of formations encountered	from	to
Top Soil	0	4
Sand	4	28
Clay	28	102
Sand w/Clay break	102	156
Clay	156	238
Sand	238	344
Clay + Sand streaks	344	522
Sand	522	554
Clay	554	566
Sand	566	604
Clay	604	628
Sand	628	674
Clay	674	682
Soil	682	730
Clay	730	826
Sand	826	837
Clay	837	843
Sand	843	882
Clay	882	887
Sand	887	900
Clay	900	902

CODED

MAR 7 1972

DRILLERS REMARKS:

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

AUG 04 1995

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

This box is for office use only.

1-9-96 AGN.

Office of Land & Water Resources
FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>1-28-86</u>	Expires: <u>1-28-2006</u>	Fee Paid:	Permit No.
Lat. <u>31-38-46</u>	Long. <u>89-33-30</u>	Elev. <u>279</u>	USGS No.
Quad. <u>Collins</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>1111</u>	Tract No.		Basin No. <u>03-70004</u>
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): RENEWAL PERMIT NO. MS-GW-01127

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 Collins 64-6000270
(Name) (SSN or Tax ID No.)

P. O. Box 400
(Address)

Collins MS 39428 (601) 765-4491
(City) (State & Zip) (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 NE 1/4 of Section 24, Township 8N, Range 16W, County Covington

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: Catahoula Formation, Lower MISSISSIPPI DEPARTMENT OF HEALTH NO. 160002-02

2. Proposed work will begin on _____, 19____, and will be completed by _____, 19____.
If well has already been drilled, when was well completed (date)? August, 19 72. Under whose name was well originally drilled (if known)? City of Collins

3. Description of proposed or completed well:
(a) DEPTH OF WELL: 726 feet. DRILLER: Griner Drilling Service, Inc.
(b) SURFACE CASING: Length 642 feet; Diameter 16 inches; Type Welded Steel
(c) SCREEN: Length 60 feet; Diameter 8 inches; Type 304 Stainless Steel
(d) PUMP: Type Turbine; Size 10"; Capacity 500 gallons per minute; Setting depth 148 feet
(e) POWER UNIT: Type RU; Size 50 horsepower

4. PERMITTED VOLUME:
(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute
(b) 0.25 million gallons per day at a maximum rate of 500 gallons per minute

(CONTINUED ON BACK) 500

SECTION C (to be completed for SURFACE WATER SOURCE)

1. Source of water is from _____ which drains into _____
which drains into _____
(major stream or river)

2. Discription of pump/diversion works:

Pump (size & type): _____ Power Unit (size & type): _____

Lift: _____ feet Maximum capacity: _____ gallons per minute

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: _____

How often will reservoir (s) be emptied and refilled? _____

3. **MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**

Chose "a" or "b". (a) The number of people served is 2541 or (b) The number of connections is 927

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?
 $\frac{0.35}{\text{Volume}}$ $\frac{2000}{\text{Year}}$; $\frac{0.40}{\text{Volume}}$ $\frac{2005}{\text{Year}}$; $\frac{0.45}{\text{Volume}}$ $\frac{2010}{\text{Year}}$; $\frac{0.50}{\text{Volume}}$ $\frac{2015}{\text{Year}}$

4. **INDUSTRIAL :** If the water is to be released into a watercourse, indicate the amount released each year _____;

Rate of release _____; NPDES Permit No. _____

Explain any changes in quality of water to be released: _____

Explain how water will be used: _____

How much groundwater will be used for once-through non-contact cooling? _____

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.

Peggy W. Sanford

(Name)

P. O. Box 400

(Address)

Collins, MS 39428

(City, State, Zip)

601-765-4491

(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.

Peggy W. Sanford
(Signature)

Subscribed and sworn to before me this 2nd day of August 1995, at Collins County of Covington

My commission expires Feb. 9 1998; Robbie M. Ray Notary Public.

EMEF

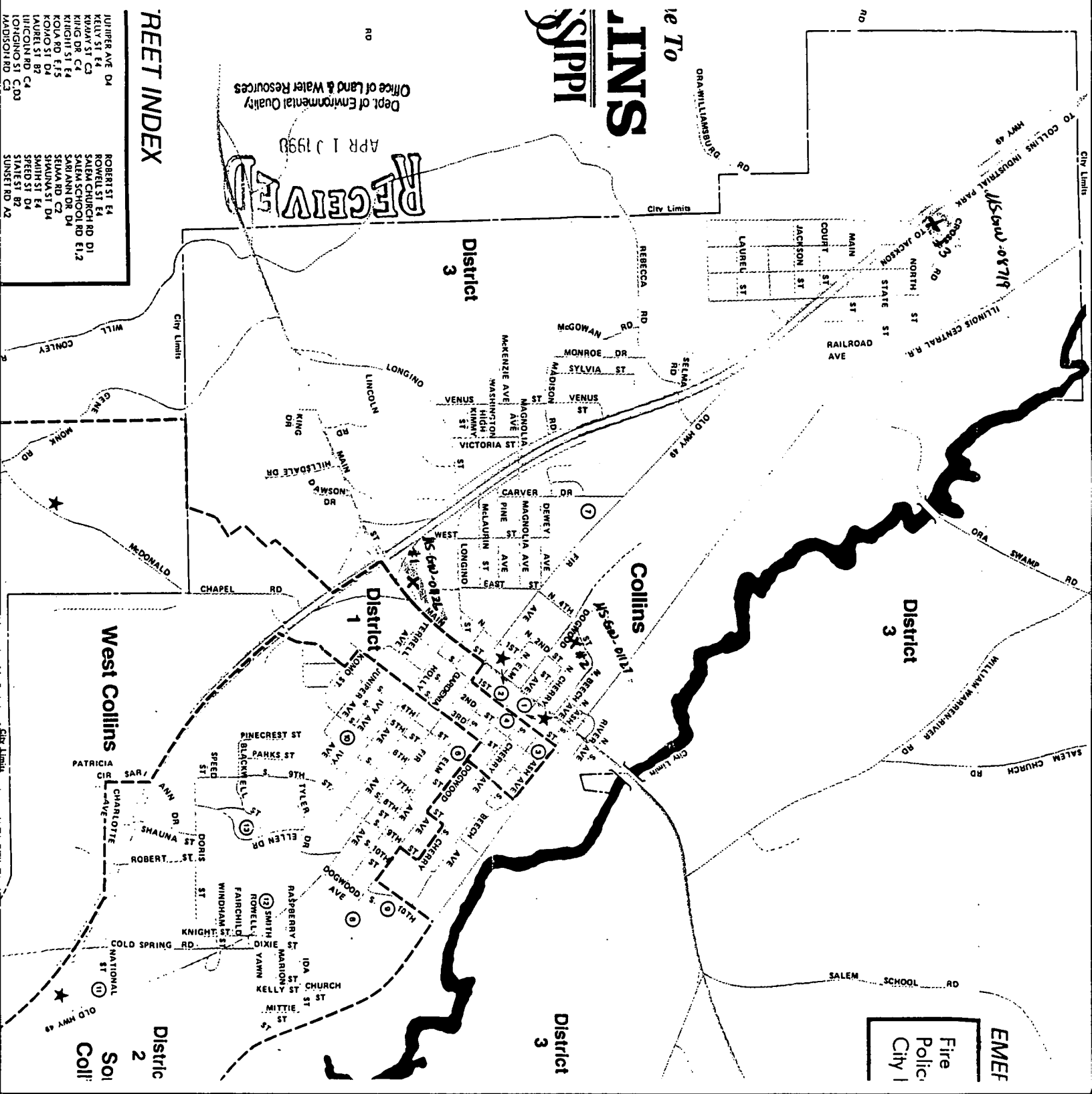
Fire
Police
City 1

City Limits
To
JINS
SYPP

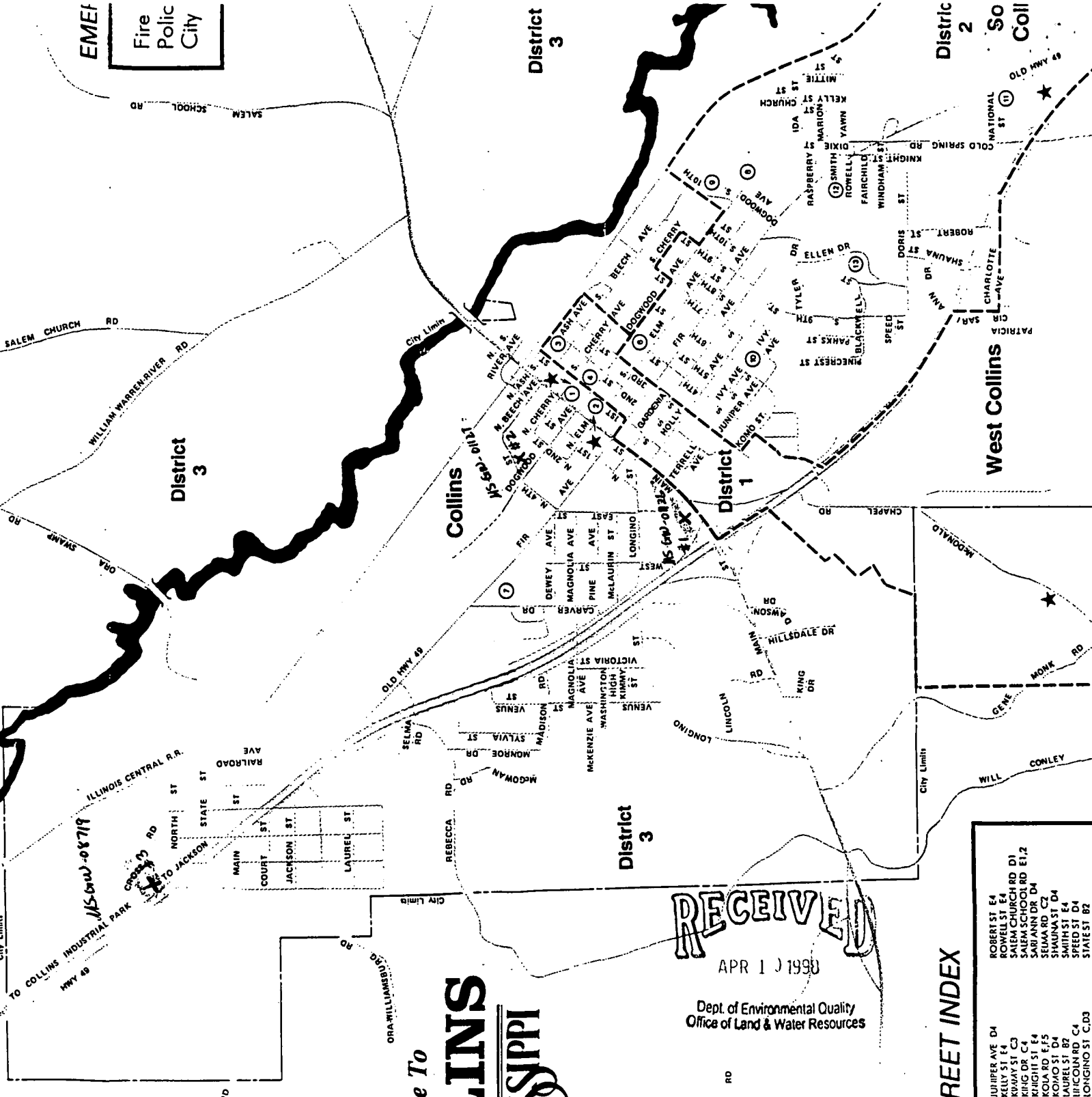
RECEIVED
APR 1 1998
Dept. of Environmental Quality
Office of Land & Water Resources

REET INDEX

- JUNIPER AVE D4
- KELLY ST F4
- KIRKWAY ST C4
- RING DR C4
- RIGHT ST F4
- KOLA RD E/F5
- KOMO ST D4
- LAUREL ST B2
- LIUCOLIN RD C4
- LOHIGINO ST C3
- MADISON RD C3
- ROBERT ST F4
- ROWELL ST F4
- SALEM CHURCH RD D1
- SALEM SCHOOL RD E1/2
- SARIBANN DR D4
- SELVA RD C7
- SHAWANA ST D4
- SMITH ST E4
- SPEED ST D4
- STATE ST B2
- SUNSET RD A2



EMEF
Fire
Police
City



RECEIVED
APR 1 1998

Dept. of Environmental Quality
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REET INDEX

JULIPER AVE D4	ROBERT ST E4
KELLY ST E4	ROWELL ST E4
KIRBY ST C3	SALEM CHURCH RD D1
KING DR C4	SALEM SCHOOL RD E1,2
KIGHT ST E4	SARI ANN DR D4
KOLA RD E,F5	SELMA RD C2
KOMO ST D4	SELMA ST D4
LAUREL ST E4	SHAUNA ST D4
LAUREL ST E4	SMITH ST E4
LAUREL ST E4	SPEED ST D4
LONGINO ST C4	STATE ST B2
LONGINO ST C,D3	SUNSEE RD A2
MADISON RD C3	

Mississippi
Collins

MS 66W-08719

ILLINOIS CENTRAL R.R.
RAILROAD AVE
NORTH ST
STATE ST
CROSS ST
TO JACKSON
MAIN ST
COURT ST
JACKSON ST
LAUREL ST

TO COLLINS INDUSTRIAL PARK
HWY 49
CROSS ST
NORTH ST
STATE ST
COURT ST
JACKSON ST
LAUREL ST

WILL CONLEY RD

GENE MONT RD

MORGAN RD

CHAPEL RD

ANN DR

SHAUNA ST

ROBERT ST

OLD HWY 49

NATIONAL ST

COLLINS

District 2

District 3

District 1

District 3

WEST COLLINS

COLLINS

District 3

District 1

District 3

District 1

District 3

District 1

District 3

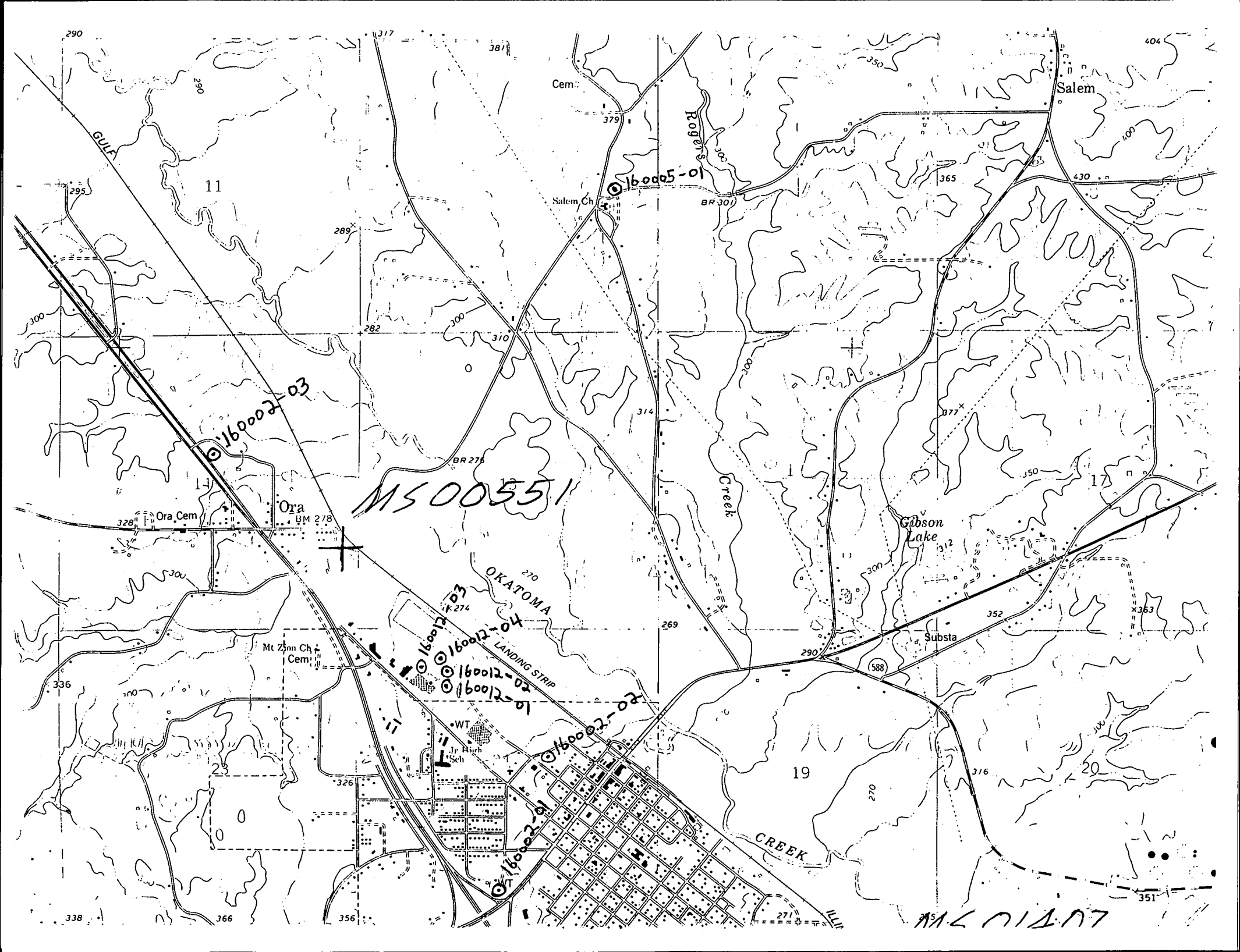
District 1

District 3

District 1

District 3

District 1



MS00551

15601407

160005-01

160002-03

160003-03

160012-04

160012-02

160012-01

160002-02

OKATOMA

LANDING STRIP

GULF

Rogers Creek

Gibson Lake

CREEK

Cem

Salem

Salem Ch

Ora Cem

Ora

Mt Zion Ch Cem

WT

Jr High Sch

Substa

290

290

11

381

404

295

289

365

430

282

300

310

314

BR 275

300

350

17

328

BM 278

312

350

353

336

300

352

(588)

326

269

19

316

20

351

338

366

356

271

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hot break DATE: 7/18/96

UNIT DEQ #: 82859 FILE #: B071819B

HEALTH DEPT. #: 160002-02 ELEV. 279

USGS #: F-22 OLWR #: MS-GW-01127

OWNER: City Collins QUAD: Collins

LOCATION: SE-SW-NE S 24 T 8N R 16W COUNTY: Collings

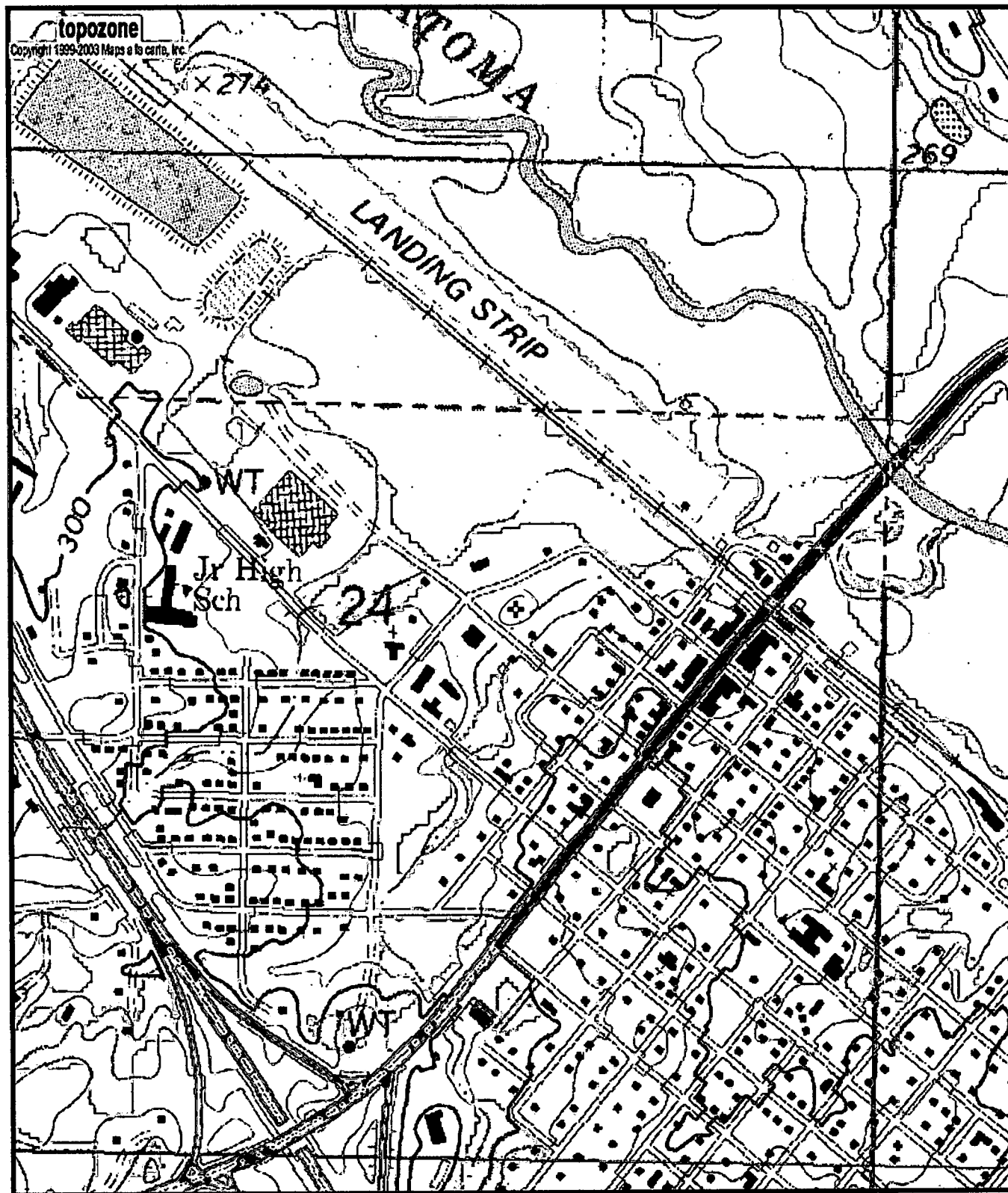
LOCATION DESCRIPTION: SE Corner of Intersection of N. Fort St & Dogwood Ave. (Collins)

CASING DIA: 8" PUMP TYPE & SIZE: 50 HP Elec./w Nat Gas Motor Back
up!

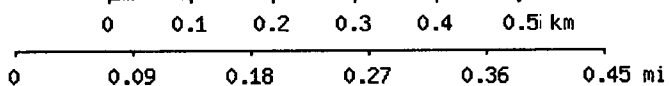
GPS FIELD LOCATION: LAT. 31° 38' 47.8" LONG. 89° 33' 32.6"

GPS CORRECTED LOCATION: LAT. 31.64661250 LONG. 89.55908280

REMARKS: GPS at Well.



0160002-02
Gw01127
F22



Map center is 31° 38' 48"N, 89° 33' 33"W (WGS84/NAD83)

Collins quadrangle

Projection is UTM Zone 16 NAD83 Datum

