



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT, JR.
 GOVERNOR

DIVISION OF HIGHWAYS
 P.O. BOX 25201, RALEIGH, N.C. 27611-5201

SAM HUNT
 SECRETARY

April 1, 1993

MEMORANDUM TO: Larry R. Goode, Ph.D., P.E.
 Chief Engineer - Programs

FROM: Calvin W. Leggett, P.E.
 Manager, Program Development Branch

SUBJECT: Wilson, Cost Estimate of Road Needs Presented
 on March 19, 1993.

Per your request, the following is a preliminary cost estimate of Wilson road needs as presented to the Governor on March 19, 1993. The road needs are prioritized, by the City of Wilson, as Short-term projects with immediate impact, and Projects for Inclusion in TIP:

I. SHORT-TERM PROJECTS WITH IMMEDIATE IMPACT:

Priority 1: SR 1165 (Forest Hills Road), from US 301 to US 264, a project length of 3.3 miles (see Figure 1). This project is currently included in the T.I.P. as feasibility study U-2922. Recommended improvements include widening the existing roadway to a 5-lane, 64-foot curb and gutter section. Estimated cost of this project is as follows:

Right-of-way	\$2,500,000
Construction	\$3,900,000
Total	\$6,400,000

Priority 2: SR 1320 (Airport Boulevard), from US 264 to Airport Drive (see Figure 2). This request also includes the realignment of 0.5-mile portion of SR 1158. Total project length is 1.5 miles.



This project (U-2727) is programmed in the T.I.P. for right-of-way acquisition to begin in FY 95, and construction to begin in FY 97. Recommended improvements include widening the roadway to a 5-lane 64-foot curb and gutter section. However, as currently programmed, U-2727 does not include the realignment of SR 1158. Estimated cost of this project is as follows:

	Widening SR 1320	Realign SR 1158	Total
Right-of-way	\$ 500,000	\$ 200,000	\$ 700,000
Construction	\$1,400,000	\$1,100,000	\$2,500,000
Total	\$1,900,000	\$1,300,000	\$3,200,000

Priority 3: NC 58 (Nash Street), from Wilson limits to SR 1314 north of Silver Lake (see Figure 3). This project is programmed in the T.I.P. (R-2573) for right-of-way acquisition to begin in FY 95, and construction to begin in FY 97. The improvements include widening the 3.3-mile long, 2-lane roadway to a 5-lane, 64-foot curb and gutter section. Estimated cost of this project is:

Right-of-Way	\$3,400,000
Construction	\$5,000,000
Total	\$8,400,000

Priority 4: SR 1163 (Downing Street), from 250 feet west of SR 1165 to Ward Boulevard, a distance of 1.3 miles (see Figure 4). The requested improvements include widening the roadway to a 5-lane, 64-foot curb and gutter section. Estimated cost of this improvement is as follows:

Right-of-way	\$2,300,000
Construction	\$2,100,000
Total	\$4,400,000

Priority 5: US 264 Bypass of Wilson (see Figure 5). This project is programmed in the T.I.P. (R-1023) for right-of-way acquisition to begin in FY 95, and construction to begin in FY 97. Accelerating this project's schedule is requested. Estimated cost of this project is:

Right-of-way	\$ 25,000,000
Construction	\$ 77,000,000
Total	\$102,000,000

Priority 6: SR 1515 (Lipscomb Road), from US 301 to US 264, (see Figure 6). The requested improvements include widening the 1-mile long, 2-lane roadway to a 5-lane, 64-foot curb and gutter section. Estimated cost of this project is:

Right-of-way	\$ 800,000
Construction	\$1,500,000
Total	\$2,300,000

Priority 7: Interchange of I-95 and US 264 (see Figure 7). The requested improvements consist of interchange lighting (luminaires and underground circuitry). Estimated cost of this project is \$300,000.

Priority 8: US 264, from I-95 to SR 1320 (see Figure 8) The requested improvements consist of landscaping the roadway. Estimated cost of this improvement is \$200,000

Priority 9: Signs along I-95, and around Raleigh. This requested improvement has been handled by Traffic Engineering Branch.

II. PROJECTS FOR INCLUSION IN T.I.P.

T.I.P. Priority 1: Wilson multi-lane northern loop, from NC 58 to US 301 (see Figure 9). This request also include studying the feasibility of extending the loop to US 264. The total estimated cost of this project is \$50,800,000. Estimated costs of the loop segments are as follows:

	NC 58 to US 301	I-95 to NC 58	US 264 to I-95
Right-of-way	\$ 3,200,000	\$ 4,000,000	\$ 1,800,000
Construction	\$11,800,000	\$14,100,000	\$15,900,000
Total	\$15,000,000	\$18,100,000	\$17,700,000
Length (miles)	4.7	4.7	2.5

T.I.P. Priority 2: NC 42, from I-95 to SR 1165 (Forest Hills Road); and SR 1158 (Wilson Christian Road), from NC 42 to US 264 (see Figure 10). The requested improvements include widening the aforesaid roadways to 5-lane, 64-foot curb and gutter sections. The estimated cost is:

	Widening NC 42	Widening SR 1158
Right-of-way	\$3,500,000	\$ 800,000
Construction	\$3,500,000	\$3,100,000
Total	\$7,000,000	\$3,900,000

T.I.P. Priority 3: Convert the SR 1313 grade separation over I-95 to a diamond interchange (see Figure 11). Estimated cost of this improvement is:

Right-of-way	\$ 800,000
Construction	\$2,000,000
Total	\$2,800,000

T.I.P. Priority 4: I-664, a freeway from Zebulon to Greenville (see Figure 12). This cost estimate does not include the Wilson bypass portion of this project. See Short-Term Priority 5, above, for the Wilson bypass portion. The estimated cost to bring this roadway to interstate standards is:

Right-of-way	N/A (acquired)
Construction	\$37,000,000

T.I.P. Priority 5: NC 58, from Wilson to Kinston (see Figure 13). This estimate is based on a freeway on a new location.

Right-of-way	\$ 17,500,000
Construction	\$ 84,000,000
Total	\$101,500,000

T.I.P. Priority 6: NC 117, from US 70 in Goldsboro to US 301 in Wilson (see Figure 14). This project is programmed in the T.I.P. (R-1030) and is currently in the planning phase. Right of acquisition is scheduled to begin as soon as we have an approved planning document, with construction scheduled to begin in FY 96. Estimated cost of this project is:

Right-of-way	\$20,000,000
Construction	\$64,000,000
Total	\$84,000,000

Please let me know, if you need any further information regarding these estimates.

CWL/whw

cc: W. H. Webb, P.E.

IMMEDIATE IMPACT
PRIORITY 1
S.R. 1165 (FOREST HILLS RD.)

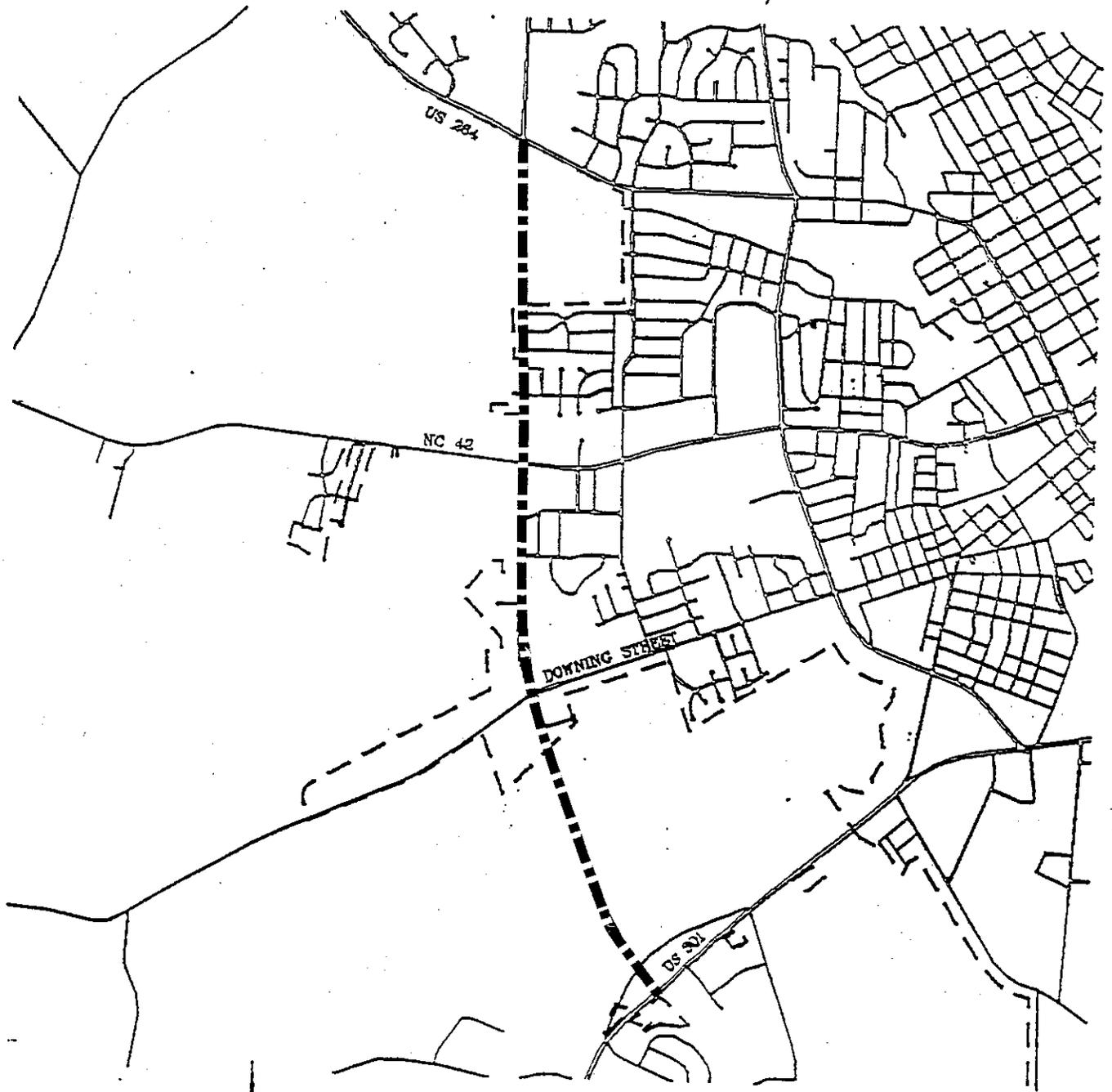


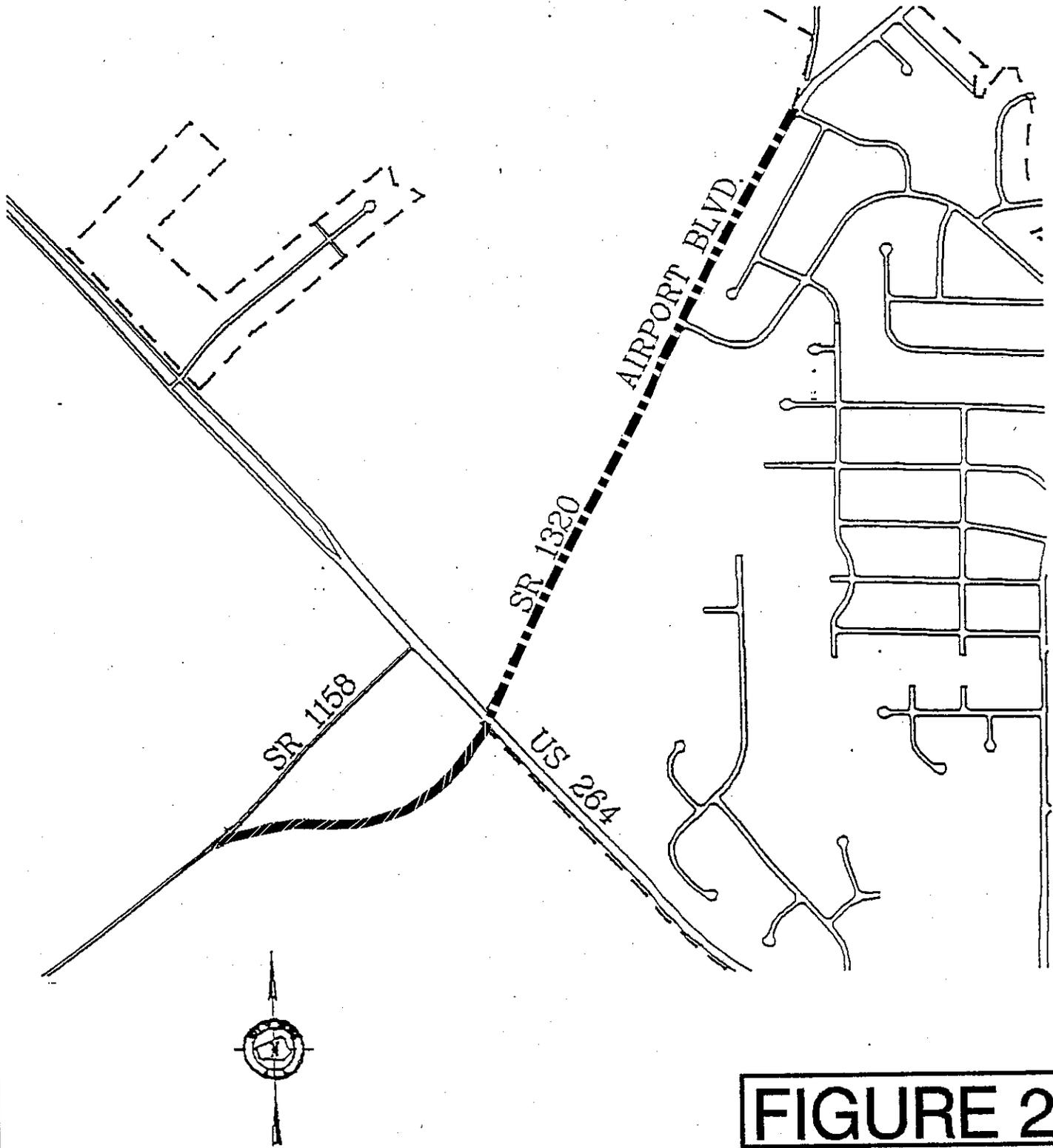
FIGURE 1

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

PRODUCED BY:
Jeff Stith

SCALE
1" = 3000'

IMMEDIATE IMPACT
PRIORITY 2
SR. 1320 (AIRPORT BLVD.)



CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 1000'

IMMEDIATE IMPACT
PRIORITY 3
NC 58 NORTH (NASH ST.)

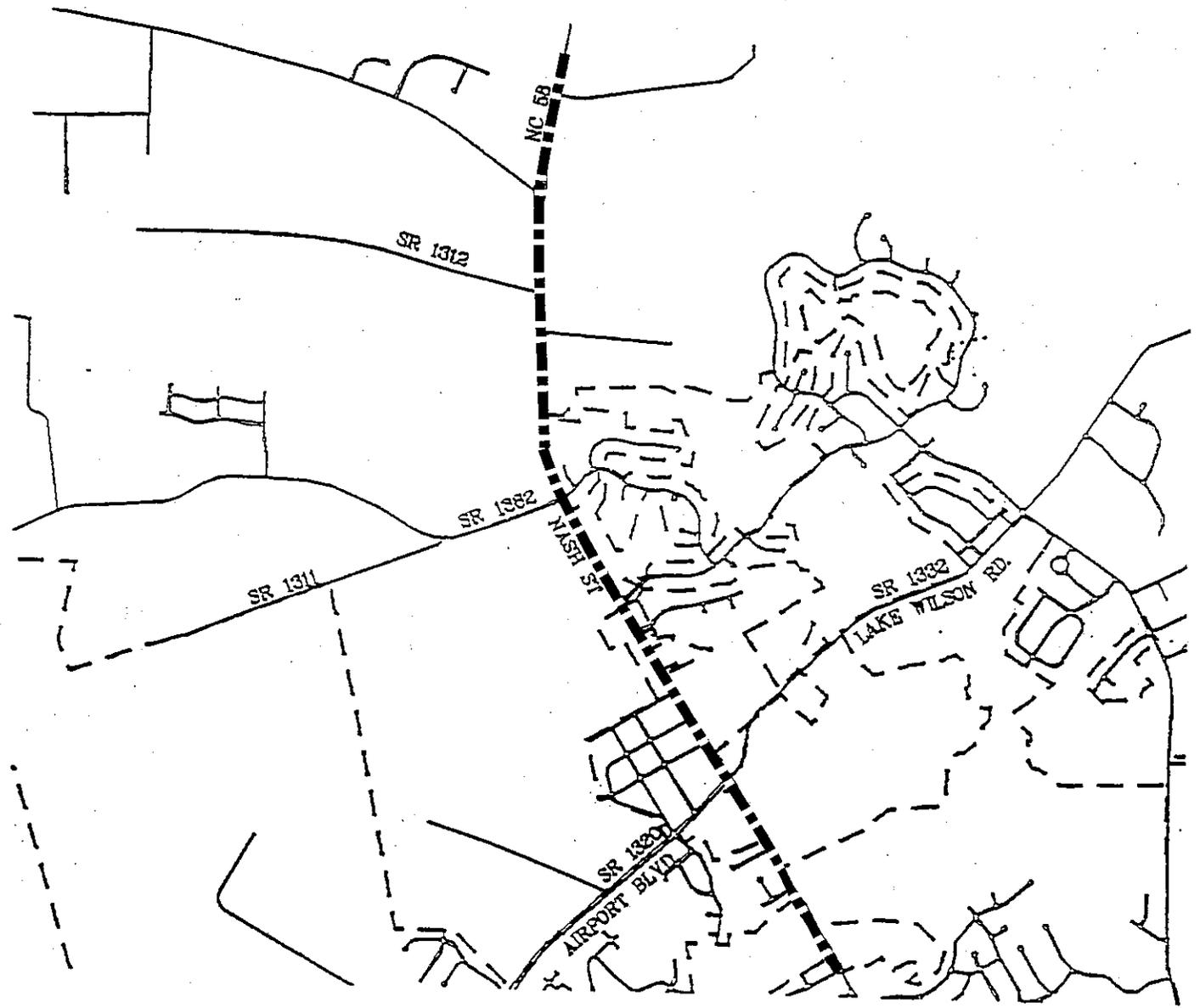


FIGURE 3

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 2500'

IMMEDIATE IMPACT
PRIORITY 4
S.R. 1163 (DOWNING ST.)

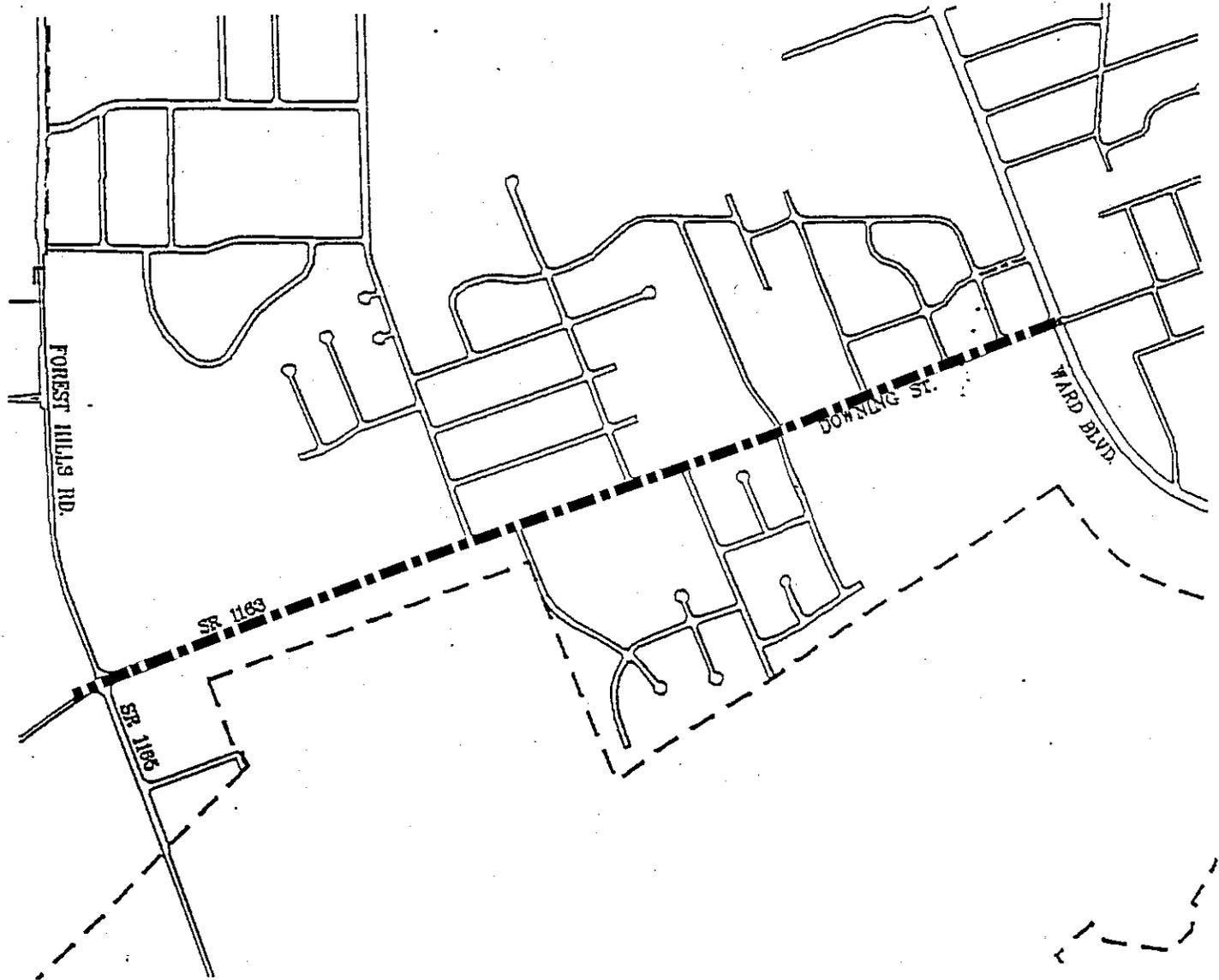


FIGURE 4

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 1000'

IMMEDIATE IMPACT
PRIORITY 5
US 264 BY-PASS



FIGURE 5

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 8000'

IMMEDIATE IMPACT
PRIORITY 6
S.R. 1515 (LIPSCOMB RD.)

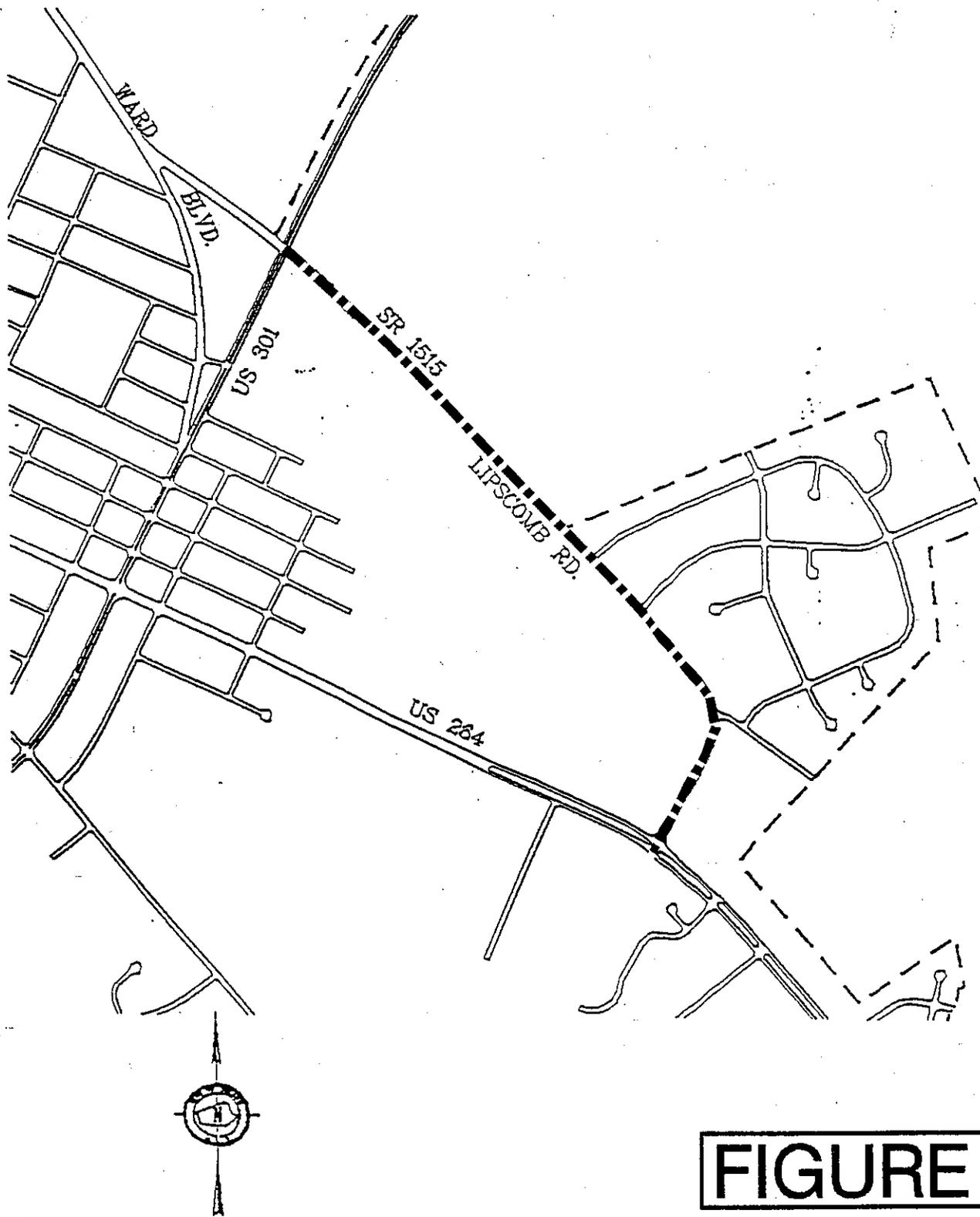


FIGURE 6

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 1000'

IMMEDIATE IMPACT
PRIORITY 7
I-95 and US 264 Interchange (Lighting)

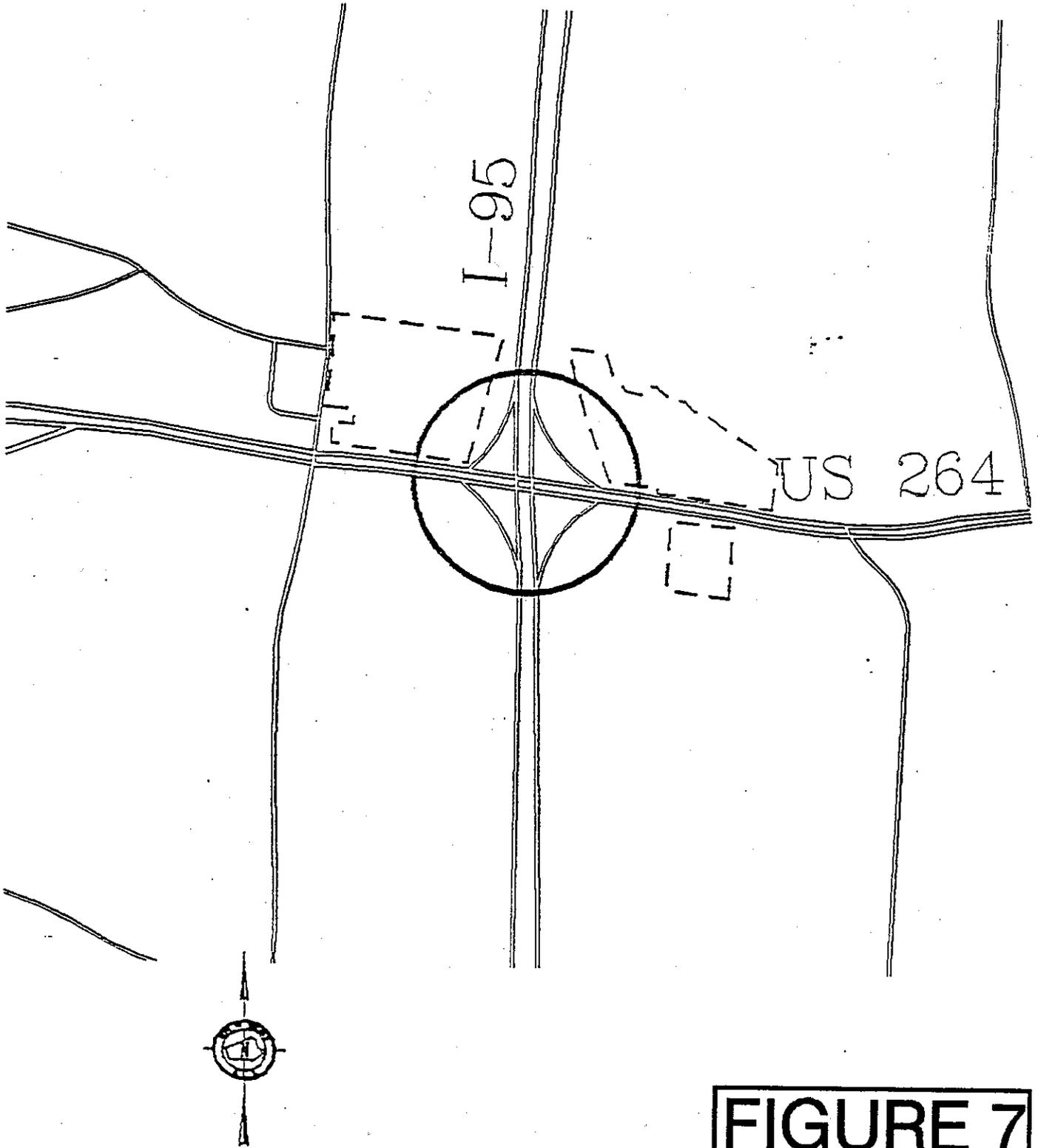


FIGURE 7

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 1000'

IMMEDIATE IMPACT
PRIORITY 8
US 264 LANDSCAPING

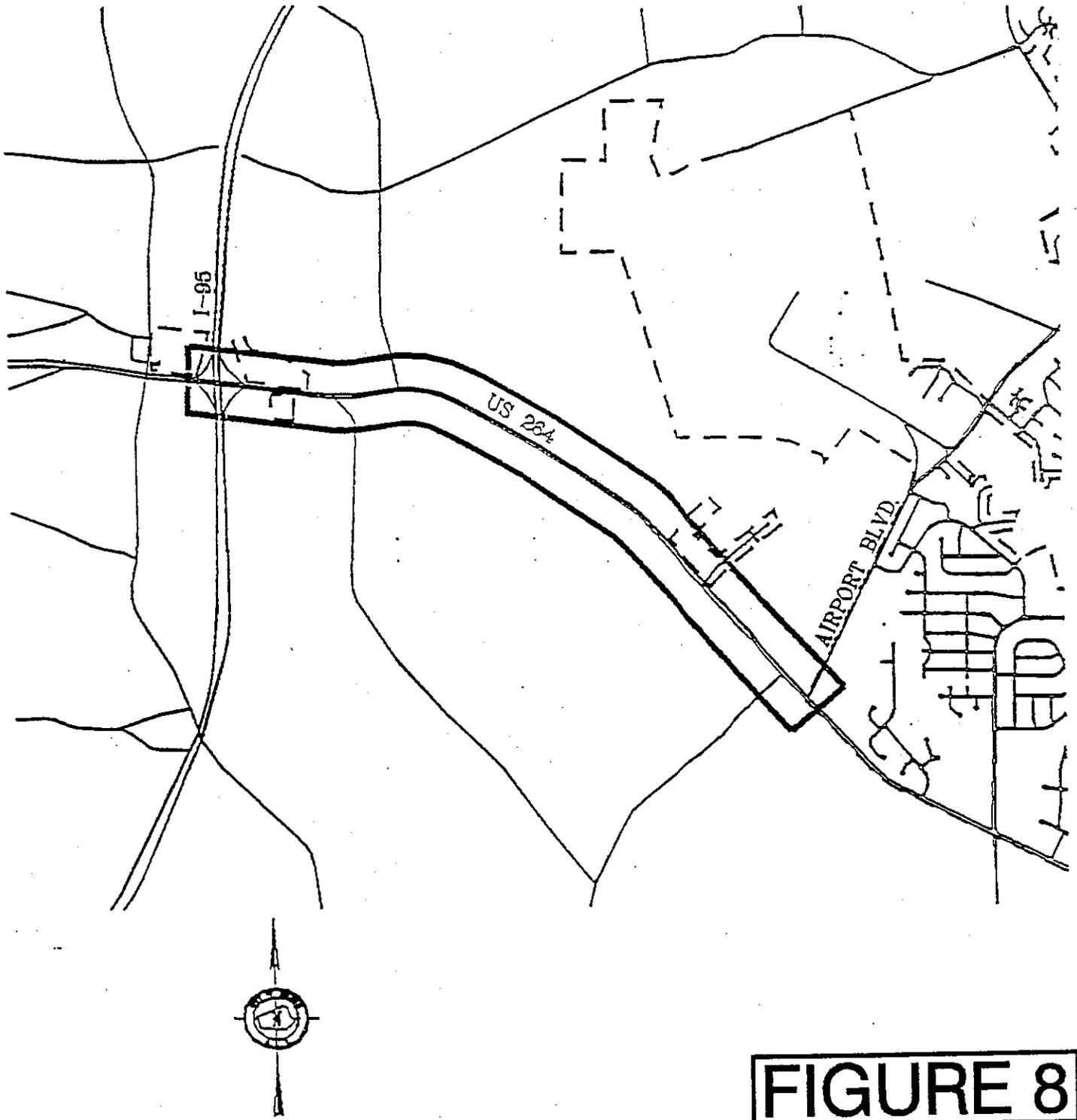


FIGURE 8

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 3000'

TIP INCLUSION

PRIORITY 1

NORTHERN LOOP-NC 58 to US 301 Interchange at ROSEBUD CHURCH RD.



FIGURE 9

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 8000'

TIP INCLUSION
PRIORITY 2

NC 42 W. from Forest Hills Rd. to I-95 and connection to US 264

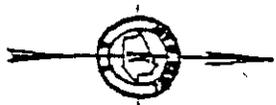
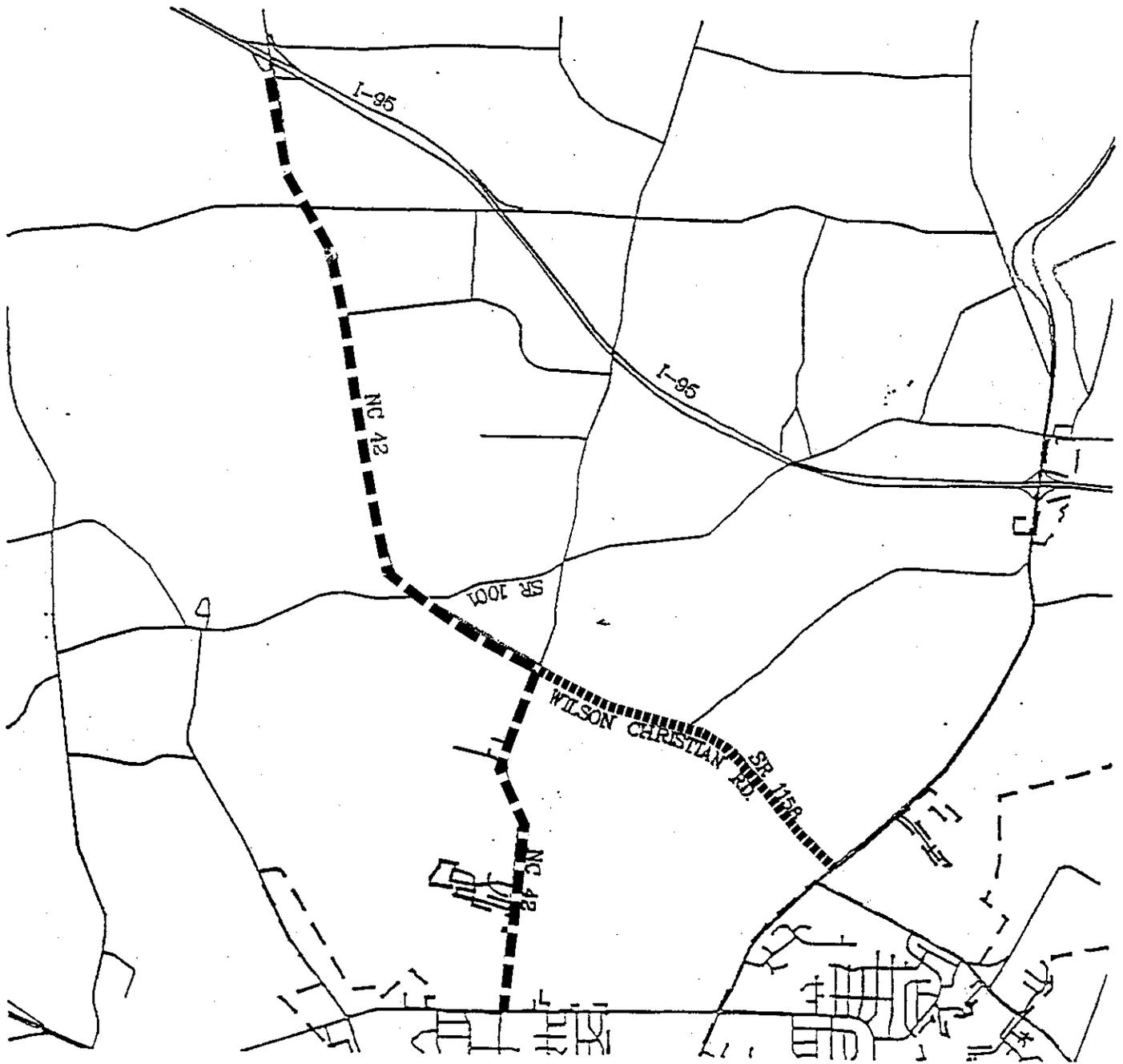


FIGURE 10

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 4500'

TIP INCLUSION
PRIORITY 3
Interchange I-95 and SR 1313

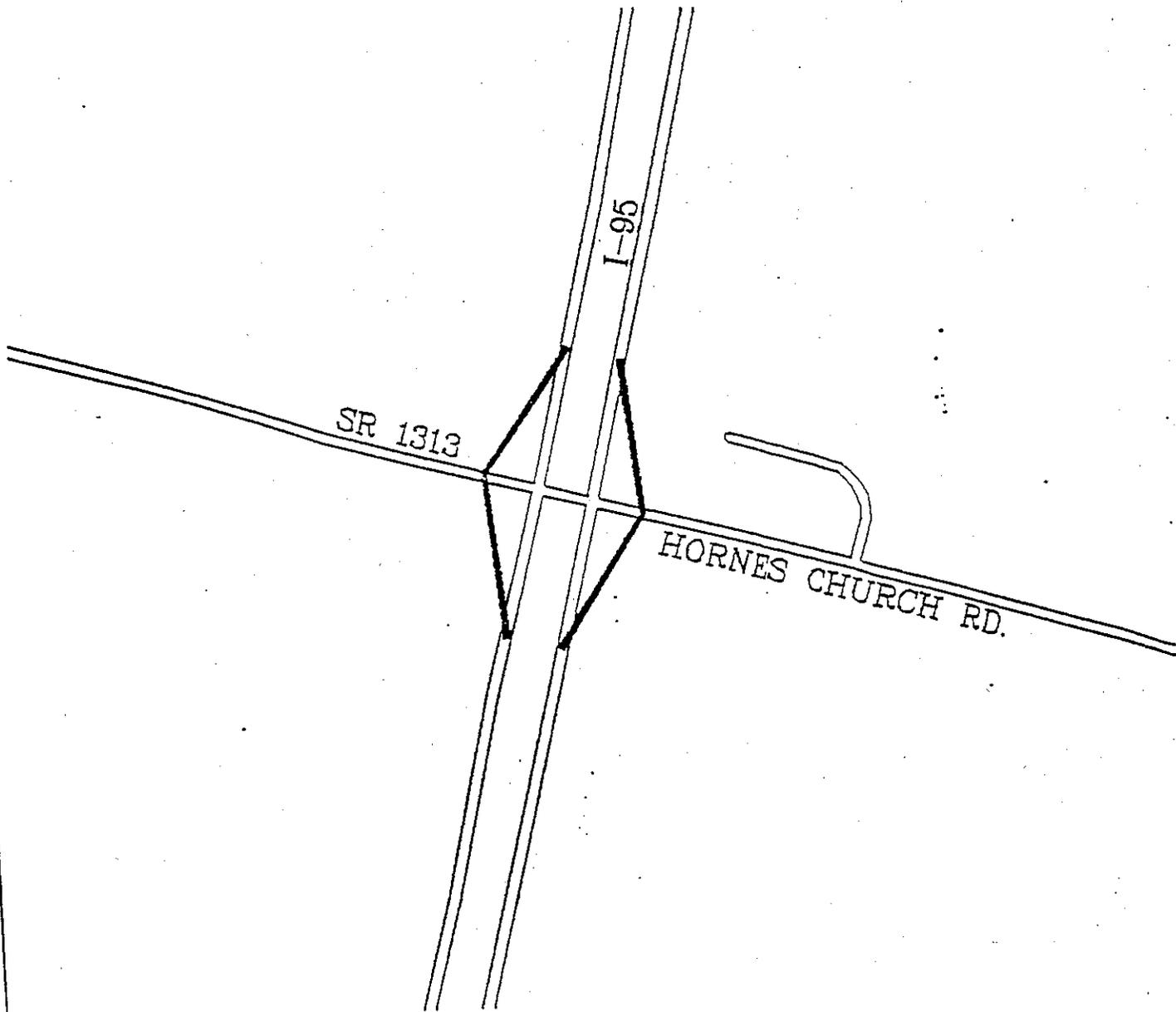


FIGURE 11

CITY OF WILSON
PUBLIC WORKS DEPARTMENT

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SCALE
1" = 400'

TIP INCLUSION
 PRIORITY 4
 I-664 from ZEBULON to GREENVILLE

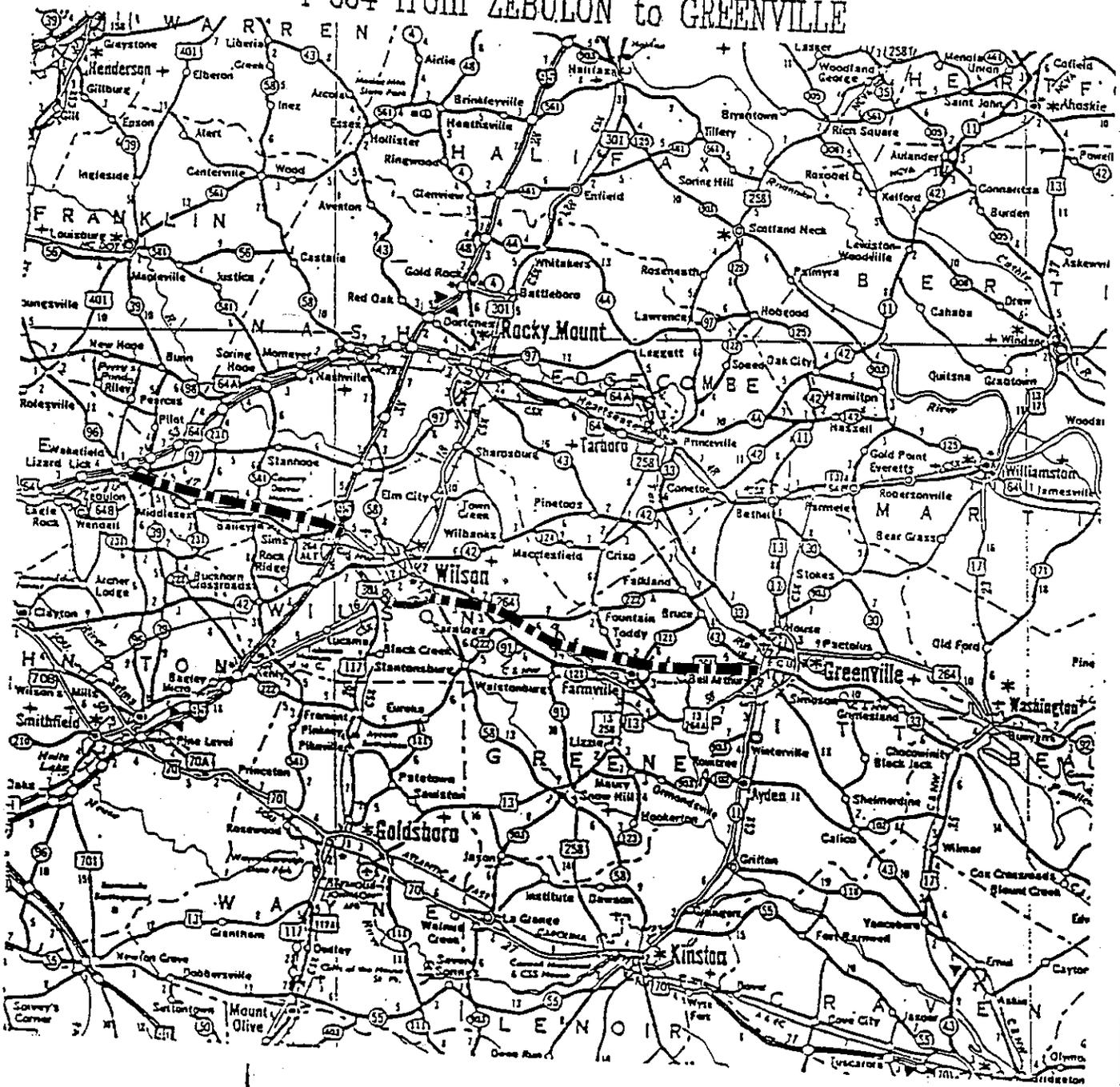


FIGURE 12

CITY OF WILSON
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SCALE
 N.T.S.

TIP INCLUSION
 PRIORITY 5
 NC 58 WILSON TO KINSTON

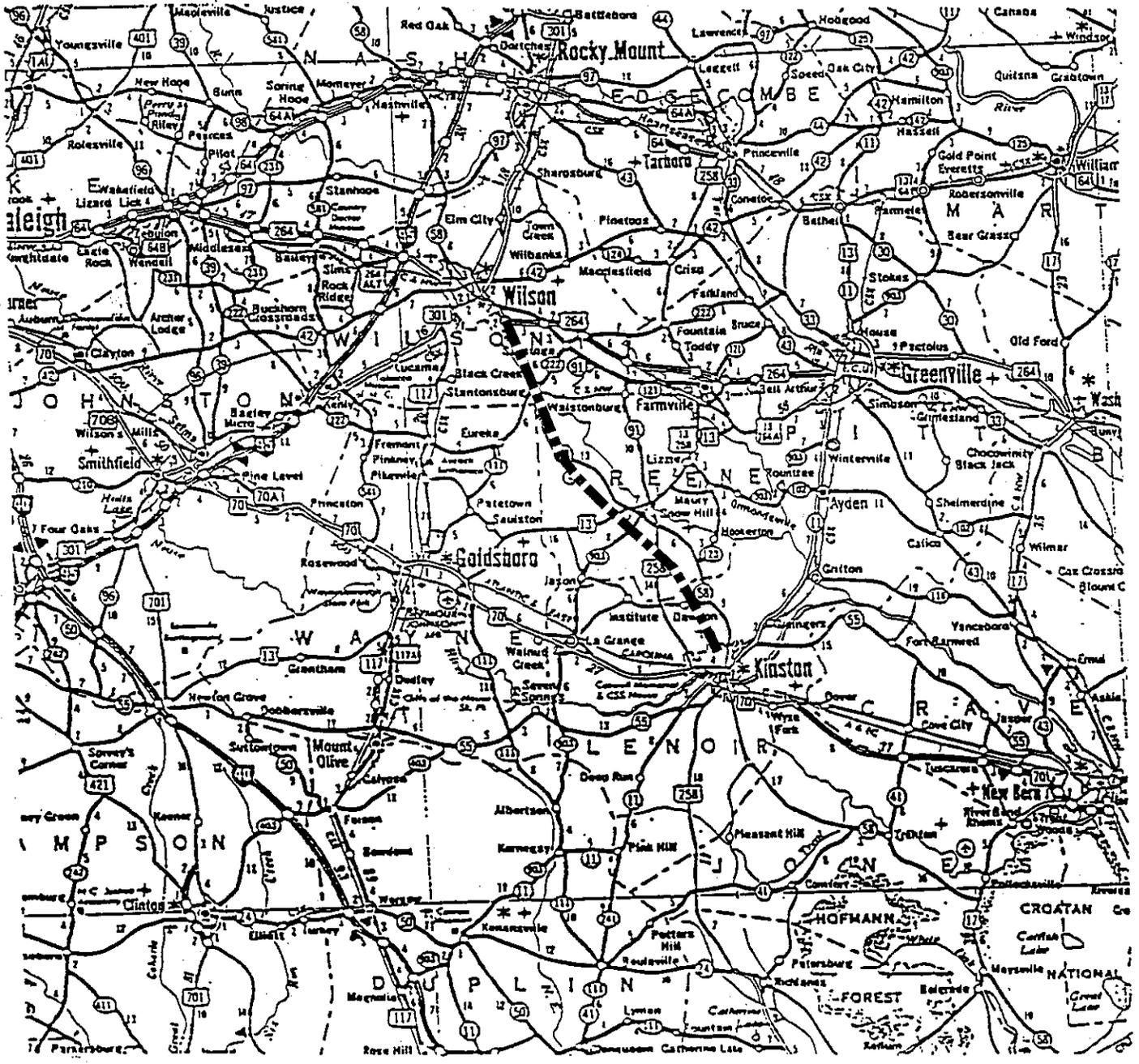


FIGURE 13

CITY OF WILSON
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SCALE
 N.T.S.

TIP INCLUSION
PRIORITY 6
NC 117 - from US 301 to Goldsboro

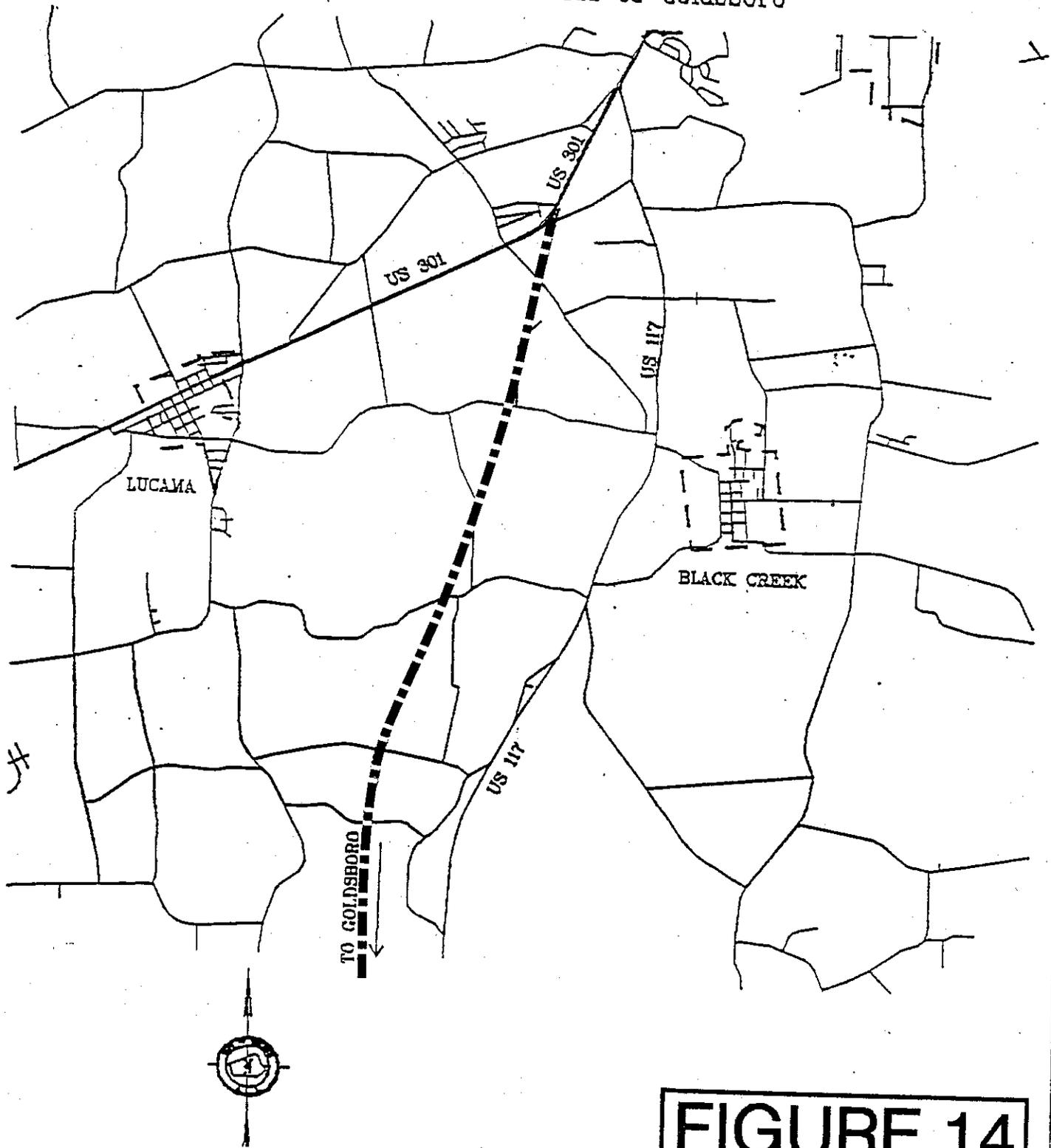


FIGURE 14

CITY OF WILSON
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SCALE
1" = 6000'