



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

For

**CM-00SW (7), ROCKDALE  
FLAT SHOALS ROAD SIDEWALK PROJECT  
&  
MILSTEAD SIDEWALK PROJECT**

**ROCKDALE COUNTY SIDEWALK PROGRAM**

**P.I. NO: 770934**

**PREPARED BY:  
ROCKDALE COUNTY DEPARTMENT OF PUBLIC WORKS**

|                         |                 |
|-------------------------|-----------------|
| Date:                   | April 5, 1996   |
| Federal Matching Share: | \$101,280.00    |
| Matching Share:         | \$276,418.00    |
| Proposed FY:            | FY 96           |
| Project Sponsor:        | Rockdale County |
| Contact Person:         | Linnea Ethridge |

**THE UNDERSIGNED HAVE REVIEWED THE CONCEPT REPORT:**

\_\_\_\_\_  
State Environmental/Location Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
State Traffic Operations Engineer

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
District Engineer

04/16/96  
Date

# PROJECT CONCEPT REPORT

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Project No: CM-00SW (7), Rockdale

P.I. No: 770934

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## PROJECT LOCATION AND DESCRIPTION

### FLAT SHOALS ROAD

This project is to install a sidewalk along the north side of Flat Shoals Road. The project will begin at Hunting Creek Drive and end at Old Salem Road. A location map is attached.

### MILSTEAD ROAD

The purpose of the project is to install a sidewalk along the east side of Milstead Avenue, beginning at Turner Street and running northward to Milstead Road, and then along the south side of Milstead Avenue eastward to Sigman Road. A location map is attached.

## PROJECT CATEGORY

CMAQ - Congestion Mitigation/Air Quality Program

## PROJECT NEED AND PURPOSE

### FLAT SHOALS ROAD

This project will add sidewalks that meet the requirements of the ADA. The addition of sidewalks in this area, will promote pedestrian travel.

The area is predominantly residential. The sidewalk to be installed in this project will connect to sidewalk that will be installed in a future Georgia DOT project that will affect Flat Shoals Road between SR 138 and Hunting Creek Drive (STPN-035-1(26), P.I.No. 721580, Rockdale).

### MILSTEAD ROAD

The purpose of the project is to provide sidewalks meeting the requirements of the ADA. The addition of sidewalks, will make pedestrian travel along the residential neighborhoods and around the Rockdale County Hospital a feasible alternative to

automobile use. Also by providing a better pathway for pedestrian access to bus stops located along Milstead Road, the attractiveness of public transit will be enhanced.

The project will also complete a link between existing sidewalk networks, thereby creating a system of pedestrian walkways.

The project will enhance the viability of pedestrian travel by providing a continuous sidewalk from the existing sidewalks on Milstead Avenue, which runs into the Central Business District of the City of Conyers, to the recently constructed Milstead Village sidewalks east of Sigman Road.

The Conyers-Rockdale County (CRC) Transit System has operated a bus route along Milstead Road on a trial basis. Pending funding approval of this pilot project, service will be provided on a regular basis. This sidewalk project will provide a suitable path for pedestrian access to the bus route from the adjacent residential areas.

The Rockdale County Hospital is located on the north side of Milstead Road at Milstead Avenue. The project will provide sidewalk access to the hospital from the adjacent residential areas. The area along the project, in either direction from the hospital, is all residential.

## **PROJECT CONSTRUCTION PARAMETERS**

### **FLAT SHOALS ROAD**

The project will result in the construction of 4780 linear feet of sidewalk to be located on the north side of the roadway. The sidewalk will typically be located one foot from the back of the existing curb. Curb cuts will be provided at driveways. Ramps for disabled persons will be provided at intersections.

Minor grading will be required to prepare the area for installation of the sidewalks. However, no drainage work is anticipated due to the elements of work that are being accomplished in the Flat Shoals Widening Project. Some regrassing of disturbed areas will be necessary.

### **MILSTEAD ROAD**

The project will result in the construction of 7170 linear feet of sidewalk to be located on one side of the existing roadway. The construction will include a combination of curb and gutter section with a 5' wide, 4" thick sidewalk. Curb cuts will be provided at driveways. Ramps for disabled persons will be provided at intersections.

It will be necessary to install storm drain pipe and catch basins in certain areas to provide for adequate drainage. The cost estimate includes provisions for these items based on a preliminary field evaluation.

Appropriate erosion control measures will be included in the project. The re-grassing and landscaping of all disturbed areas will also be a part of the scope.

### **SPECIFIC ITEMS DISALLOWED UNDER CMAQ FUNDING**

1. Utility and utility appurtenance relocation
2. Right-of-way acquisition
3. Removal and replacement of traffic signage

### **PROPOSED TYPICAL SECTION**

See Attached - The shoulder of the roadway will be improved to provide a standard width of 10 feet. This will allow room for installation of 30" curb and gutter and a 5 foot wide sidewalk offset 1 foot behind the back of curb. Sidewalk will have a cross slope of 1/4 inch per foot.

### **DESIGN STANDARDS**

1. AASHTO Guidelines
2. *Standard Specifications for Roadway and Bridge Construction*, Department of Transportation, State of Georgia, 1993 Edition
3. *Manual of Uniform Traffic Control Devices*, FHWA, 1988
4. *Manual for Erosion and Sediment Control in Georgia*, State Soil and Water Conservation Commission, Current edition

### **MAJOR STRUCTURES**

None

### **PERMITS REQUIRED**

None

### **ENVIRONMENTAL ANALYSIS**

Categorical Exclusion

**SECTION 4(f)**

No, see Categorical Exclusion

**SECTION 106**

No, see Categorical Exclusion

**OTHER KNOWN SUSPECTED ENVIRONMENTAL CONCERNS**

None. Work will be limited to shoulder of existing roadway.

**DESIGN VARIANCES REQUIRED**

None

**LEVEL OF PUBLIC INVOLVEMENT**

Not applicable

**RAILROAD INVOLVEMENT**

None

**OTHER GEORGIA DOT PROJECTS IN VICINITY**

SR 138 widening, Flat Shoals Rd to Old Salem Rd - NH-035-1(26), P.I. No. 721580  
SR 20 widening, Honey Creek Rd to Relocated SR 138 - STP-0869(12), P.I.No.730903

**FIELD REVIEW**

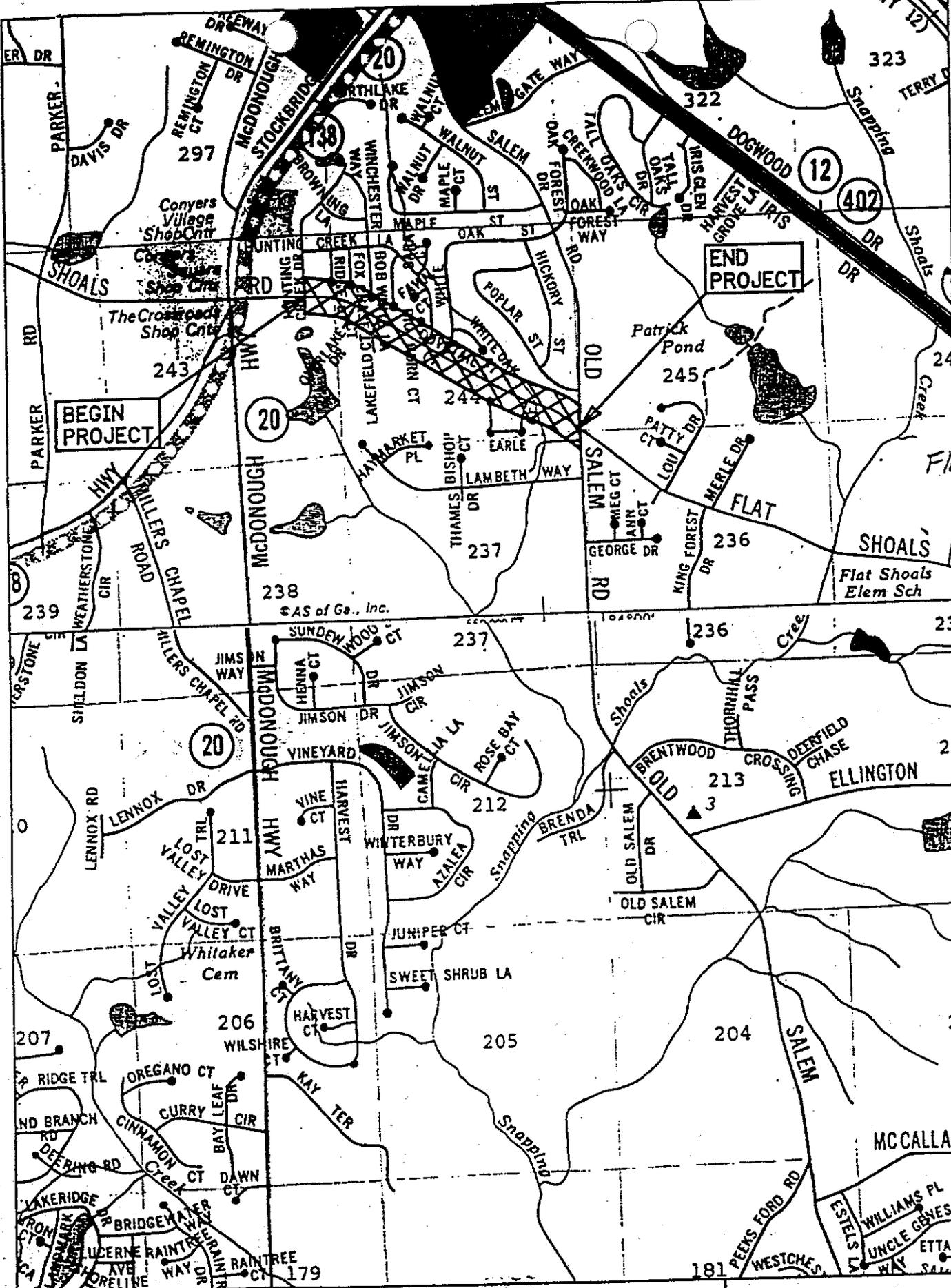
Pending

**PERSONS PRESENT**

Not applicable

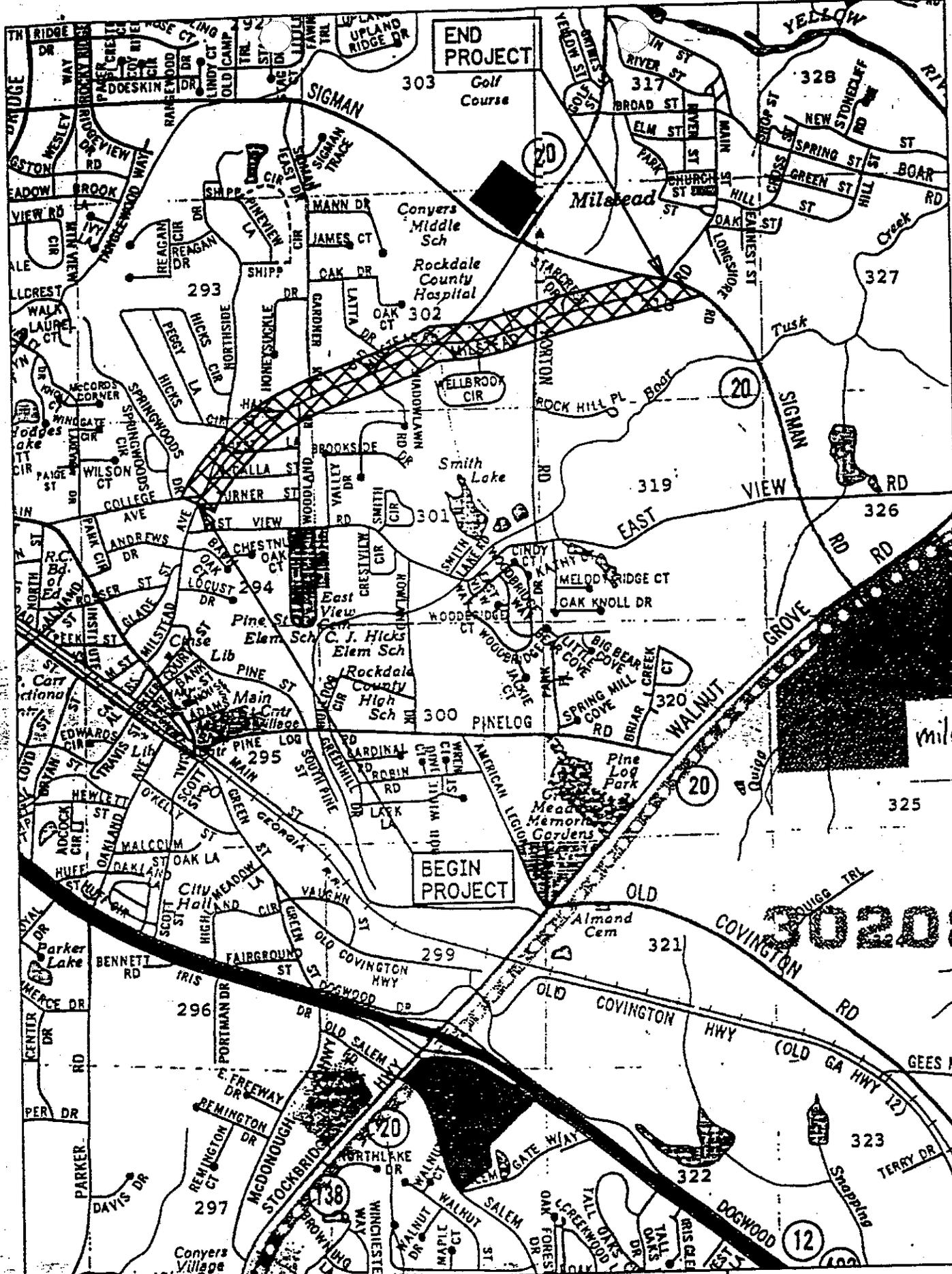
## **ATTACHMENTS**

- A. Location Map
- B. Concept Plan
- C. Typical Section
- D. Cost Estimate



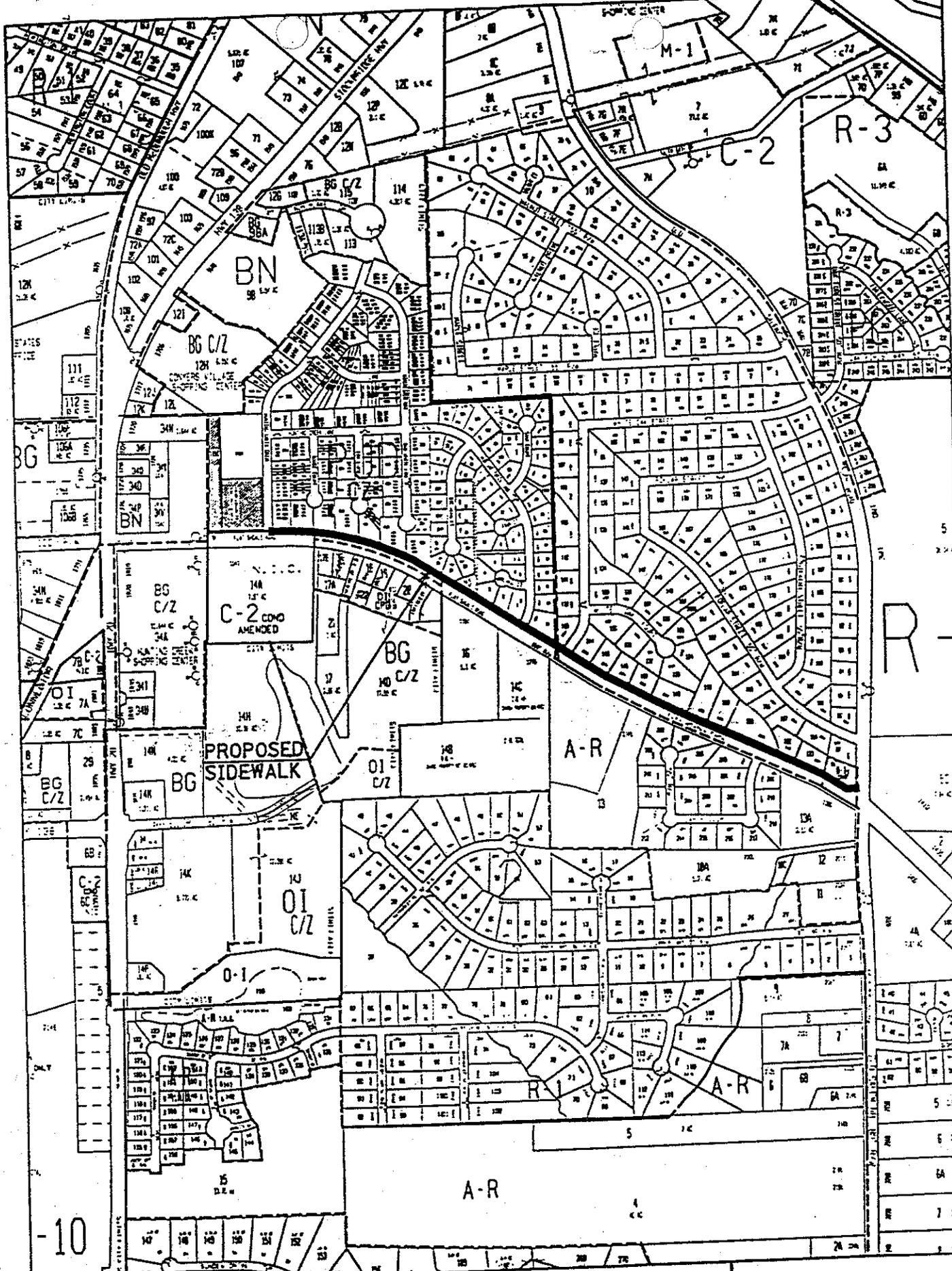
FLAT SHOALS ROAD  
 SIDEWALK IMPROVEMENT  
 ROCKDALE COUNTY

ATTACHMENT A



MILSTEAD ROAD SIDEWALK IMPROVEMENT  
ROCKDALE COUNTY

ATTACHMENT A

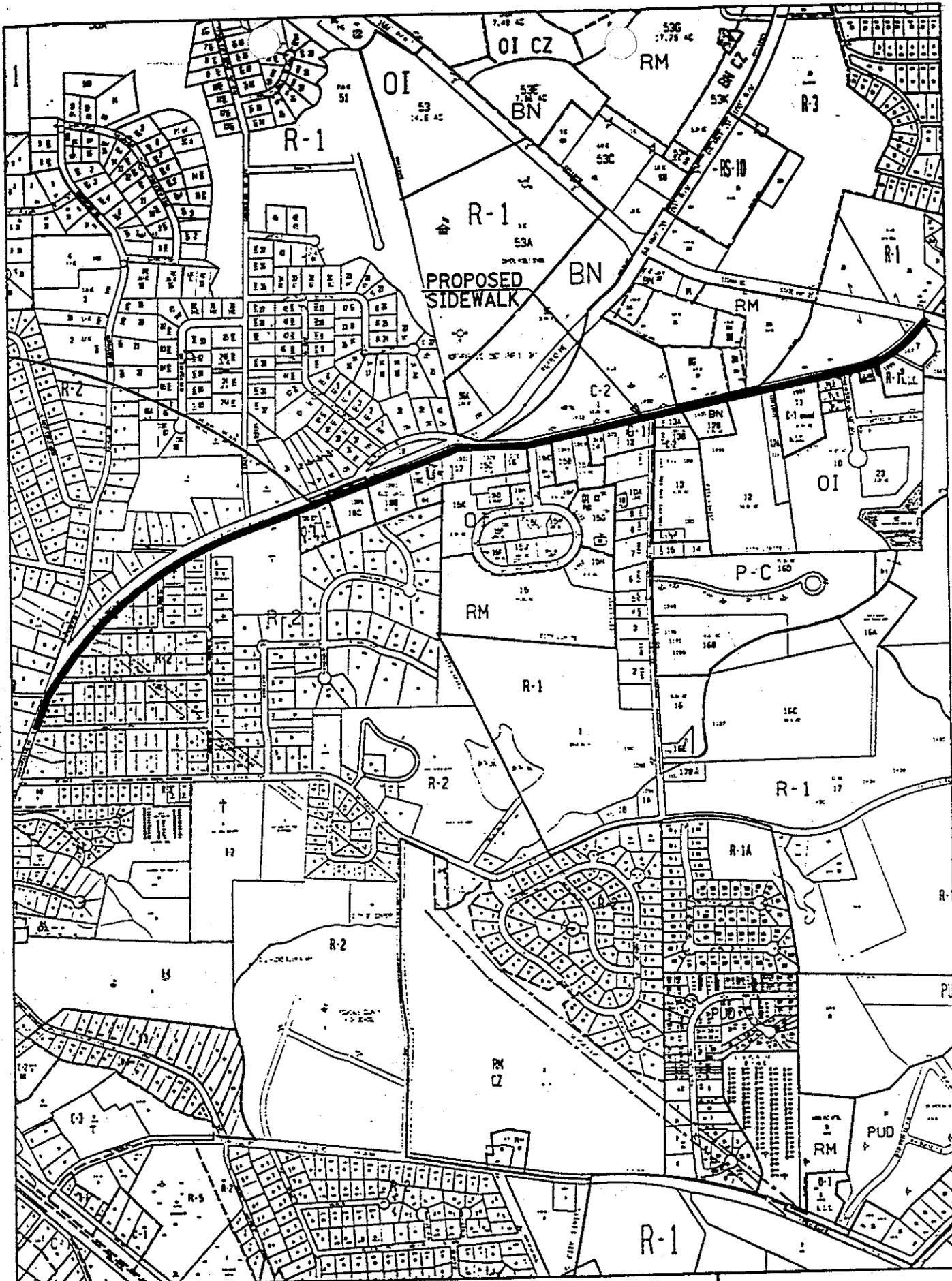


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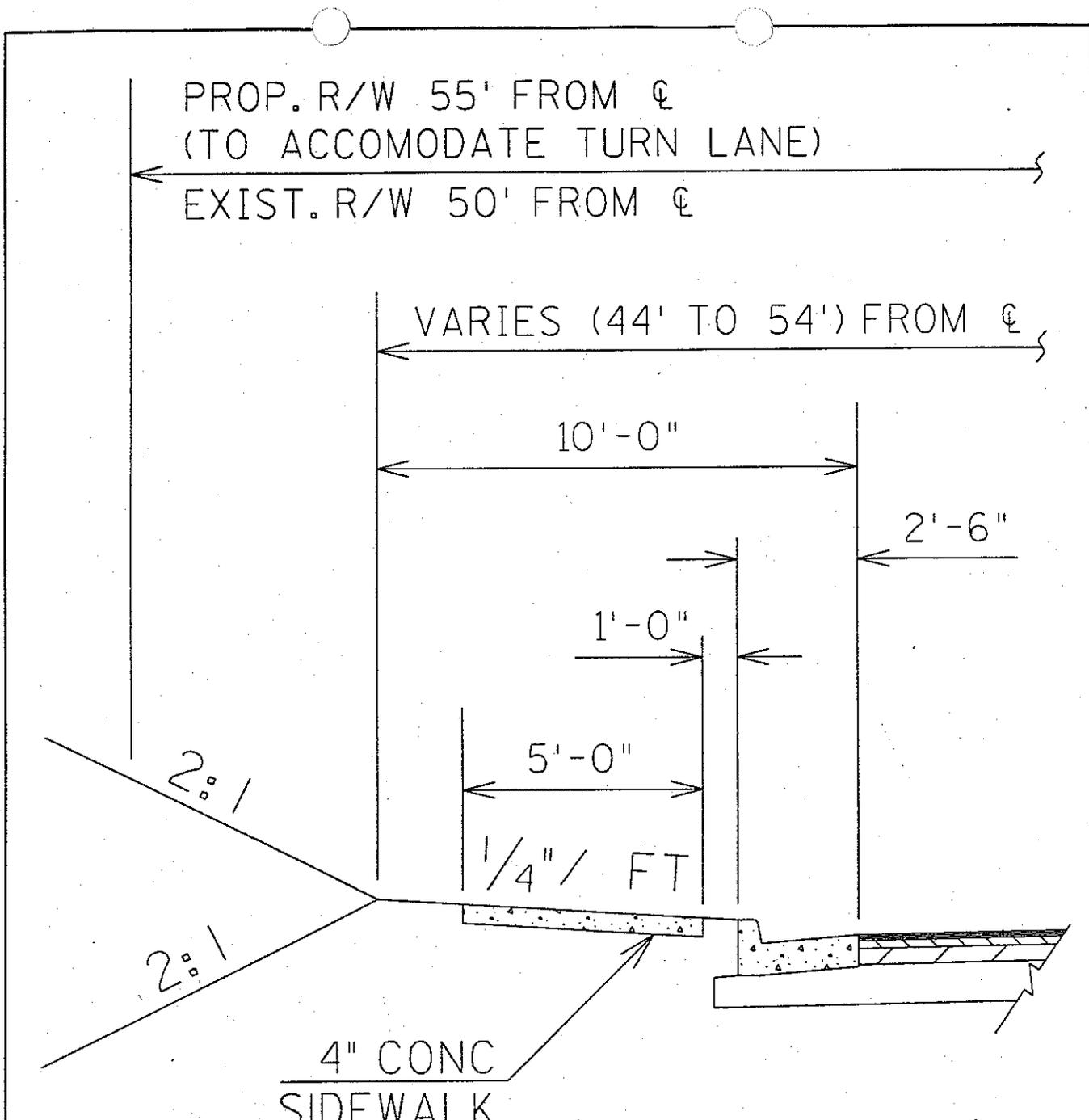
FLAT SHOALS ROAD  
SIDEWALK IMPROVEMENT  
ROCKDALE COUNTY

ATTACHMENT B



MILSTEAD ROAD SIDEWALK IMPROVEMENT  
ROCKDALE COUNTY

ATTACHMENT B

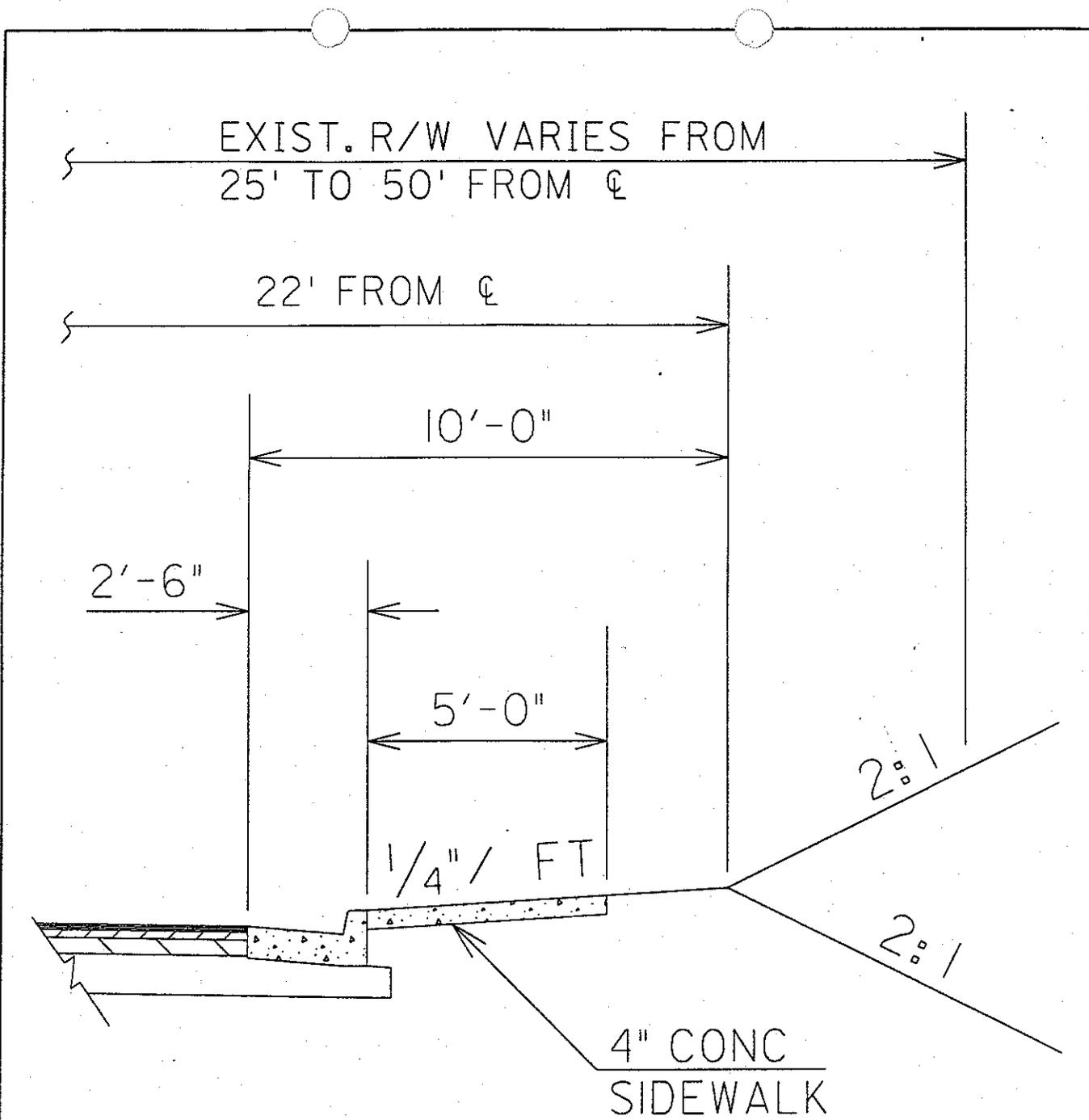


**TYPICAL SECTION**  


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**FLAT SHOALS ROAD**  
**NTS**

|  |   |              |
|--|---|--------------|
|  | FLAT SHOALS ROAD<br>SIDEWALK IMPROVEMENT<br>ROCKDALE COUNTY | ATTACHMENT C |
|--|---|--------------|



TYPICAL SECTION

MILSTEAD ROAD  
NTS

MILSTEAD ROAD SIDEWALK IMPROVEMENT  
ROCKDALE COUNTY

ATTACHMENT C

## PRELIMINARY COST ESTIMATE

Date: 2/9/96 PREPARED BY: Rockdale County Department of Public Works

PROJECT NO: CM-00SW (7), Rockdale

P.I. NO: 770934 MILEAGE: 4780 Lin. Ft. - 0.91 Miles

PROJECT DESCRIPTION: Adding 5' sidewalk along the north side of Flat Shoals Road from Hunting Creek Drive to Old Salem Road.

PROPOSED CONCEPT: A sidewalk will be added adjacent to the existing roadway along this section of Flat Shoals Road. Minor grading will be provided as required.

EXISTING ROADWAYS: Flat Shoals Road is a two lane, 24' roadway

TRAFFIC: Existing: N/A Design: N/A

### ESTIMATE SUMMARY

RIGHT-OF-WAY \$ N/A

REIMBURSABLE UTILITIES \$ N/A

### CONSTRUCTION COST SUMMARY

GRADING AND DRAINAGE \$ 20,000

CONCRETE WORK (4780 L.F. 5' sidewalk @ \$15/SY) \$ 39,833

TRAFFIC CONTROL \$ 5,000

EROSION \$ 10,000

LANDSCAPING/GRASSING \$ 5,000

MISCELLANEOUS \$ 5,000

TOTAL CONSTRUCTION ESTIMATE \$ 84,833

5% INFLATION FOR 1 YR \$ 4242

10% E&C \$ 8483

TOTAL \$ 97,558

# PRELIMINARY COST ESTIMATE

Date: 2/9/96 PREPARED BY: Rockdale County Department of Public Works

PROJECT NO: CM-00SW (7), Rockdale

P.I. NO: 770934 MILEAGE: 7170 Lin. Ft. - 1.36 Miles

PROJECT DESCRIPTION: Adding 5' sidewalk along the east side of Milstead Ave from Turner St to Milstead Rd, then along the south side of Milstead Rd to Sigman Rd

PROPOSED CONCEPT: Combination curb and gutter/sidewalk will be added to the existing rural section. Storm drains and grading will be provided as required for drainage.

EXISTING ROADWAYS: Milstead Ave and Milstead Rd are 24', 2-lane roads

TRAFFIC: Existing: 7400 Design: N/A

## ESTIMATE SUMMARY

|                        |               |
|------------------------|---------------|
| RIGHT-OF-WAY           | \$ <u>N/A</u> |
| REIMBURSABLE UTILITIES | \$ <u>N/A</u> |

## CONSTRUCTION COST SUMMARY

|  |                   |
|--|-------------------|
| GRADING AND DRAINAGE   | \$ <u>57,150</u>  |
| CONCRETE WORK (7170 L.F. 5' sidewalk @ \$15/SY & 7170 L.F. of C/G @ \$10/LF) | \$ <u>131,450</u> |
| TRAFFIC CONTROL  | \$ <u>20,000</u>  |
| EROSION  | \$ <u>10,000</u>  |
| LANDSCAPING/GRASSING   | \$ <u>20,000</u>  |
| MISCELLANEOUS  | \$ <u>5,000</u>   |
| TOTAL CONSTRUCTION ESTIMATE  | \$ <u>243,600</u> |
| 5% INFLATION FOR 1 YR  | \$ <u>12,180</u>  |
| 10% E&C  | \$ <u>24,360</u>  |
| TOTAL  | \$ <u>280,140</u> |

MILSTEAD ROAD

| <b>COST ESTIMATE FOR GRADING AND DRAINAGE REQUIREMENTS</b> |                           |                             |                  |                 |
|--|---------------------------|-----------------------------|------------------|-----------------|
| <b>Location</b>  | <b>Item</b>               | <b>Approximate Quantity</b> | <b>Unit Cost</b> | <b>Exten.</b>   |
| Near McCalla St  | 15" Storm Drain Pipe (LF) | 600                         | \$20             | \$12,000        |
|  | Catch Basin               | 2                           | \$2,000          | \$4,000         |
| Near Woodland Rd   | 15" Storm Drain Pipe (LF) | 500                         | \$20             | \$10,000        |
|  | Catch Basin               | 2                           | \$2,000          | \$4,000         |
| Near Old Jail  | Grading (CY)              | 140                         | \$5              | \$700           |
| Near Milstead split  | Grading (CY)              | 140                         | \$5              | \$700           |
| Between Milstead Rd & Wellbrook                            | 15" Storm Drain Pipe (LF) | 250                         | \$20             | \$5,000         |
|  | Catch Basin               | 1                           | \$2,000          | \$2,000         |
| Between Wellbrook & Norton Rd                              | 15" Storm Drain Pipe (LF) | 500                         | \$20             | \$10,000        |
|  | Catch Basin               | 3                           | \$2,000          | \$6,000         |
| Between Norton & Manchester                                | Catch Basin               | 1                           | \$2,000          | \$2,000         |
|  | Grading (CY)              | 150                         | \$5              | \$750           |
| Sub -Total   | Storm Drain Pipe          | 1850                        | \$20             | \$37,000        |
| Sub-Total  | Catch Basins              | 9                           | \$2,000          | \$18,000        |
| Sub-Total  | Grading                   | 430                         | \$5              | \$2,150         |
| <b>TOTAL</b>   |                           |                             |                  | <b>\$57,150</b> |

REVISION REQUEST  
for the  
CONSTRUCTION WORK PROGRAM

Approval is requested to revise the Construction Work Program for the project and activity outlined below which do not require Board approval:

Action Requested: ADDITION TO THE PROGRAM

PROJECT DATA

| County   | Project No.<br>P.I. No. | Type Work                |
|--|-------------------------|--------------------------|
| ROCKDALE   | CM-OOSW(7)<br>770934    | ENHANCEMENT<br>SIDEWALKS |
| Description: MILSTEAD VILLAGE, FLAT SHOALS & UNDERWOOD RDS |                         |                          |
| Project Length = 2.39 Miles                                |                         |                          |

FUNDING INFORMATION

| Estimated Cost<br>(\$1,000's) | DOT<br>Share | Other<br>Share | Fiscal<br>Year | Cong.<br>District | Field<br>District |
|-------------------------------|--------------|----------------|----------------|-------------------|-------------------|
| PE                            | \$0          |                | NONE           |                   |                   |
| ROW                           | \$0          |                | NONE           | 4                 | 7                 |
| CONST                         | \$153        | \$122          | \$31           | 1996              |                   |
| Fund 1 = 320                  |              |                |                |                   |                   |
| Fund 2 = 320                  |              |                |                |                   |                   |

REASON FOR REVISION:

Requested by the State Planning Administrator  
This project is split from CM-OOMS(35), PI # 770597.

APPROVED

*George Boulmeau*  
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED BY  
Director of

JUN 01 1995

Planning and  
Programming