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STATE OF TEXAS
STATE HIGHWAY DEPARTMENT
PLANS OF COMPLETED
STATE HIGHWAY IMPROVEMENT

| | | |
|---------------------|-----------|----------|
| FED. ROAD DIST. NO. | STATE | STATE P. |
| 6 | TEXAS | C-28-13 |
| STATE DIST. NO. | COUNTY | |
| 20 | JEFFERSON | 28 |

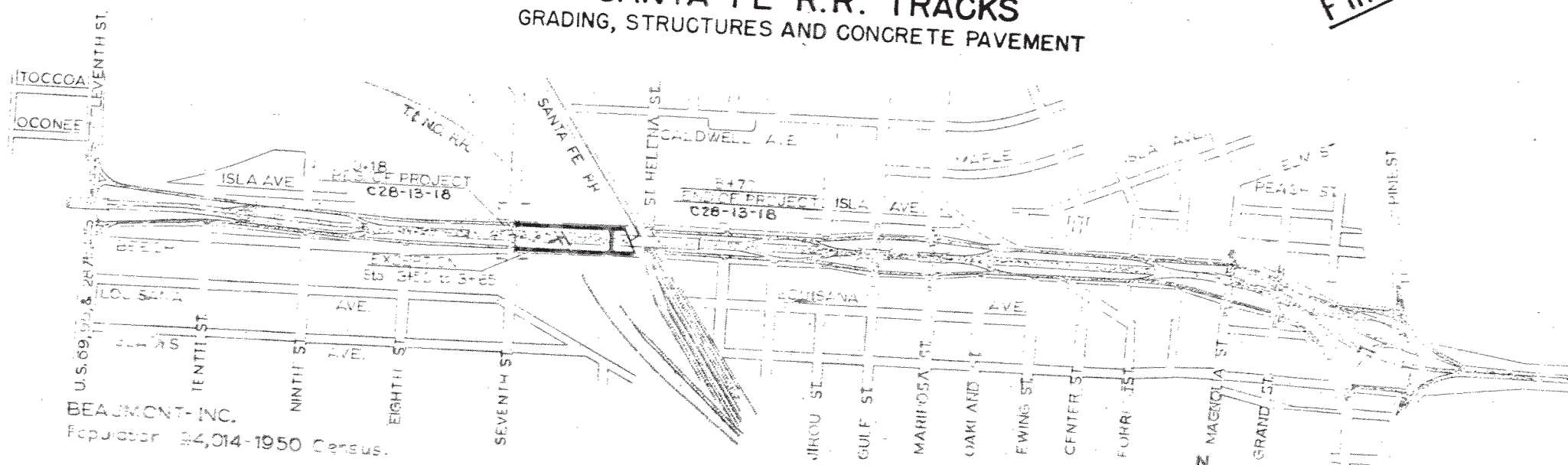
APPROVED FIELD CHANGE
 F.C. #1 Installing 20' of 48" D.C.F.
 open cut method instead of
 jacking method

C-28-13-18
 PLAN: 1 IN. = 10 FT.
 PROFILE: 1 IN. HOR. = 10 FT. 1 IN. VERT. = 5 FT.
 CROSS-SECTIONS: 1 IN. HOR. AND VERT. = 5 FT.
 OTHERS AS NOTED.
 NET LENGTH OF PROJECT = 843.00 FT. = 0.159 MI.
 INTERSTATE HIGHWAY 10

JEFFERSON COUNTY
FRONTAGE ROADS FROM
SEVENTH STREET TO
SANTA FE R.R. TRACKS
 GRADING, STRUCTURES AND CONCRETE PAVEMENT

Final Plans

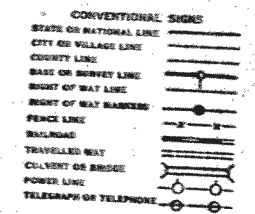
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NOTE:
 The contractor shall be responsible for obtaining all necessary permits and easements for the project. The plans show the proposed location of the project and the contractor shall be responsible for obtaining all necessary permits and easements for the project. The plans show the proposed location of the project and the contractor shall be responsible for obtaining all necessary permits and easements for the project.

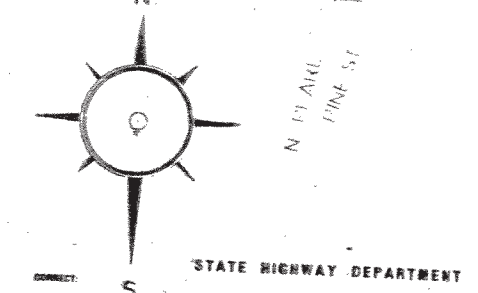
Project constructed and
 final plans prepared by
 SUPV. RES. ENGR.

RECOMMENDED FOR APPROVAL 4-3-1958
 CITY ENGINEER OF BEAUMONT, TEX.
APPROVED 4-8-1958
 MAYOR, CITY OF BEAUMONT, TEX.



NO EQUATIONS
 EXCEPTION: STA 3+56 TO 3+65 (-9 FT.)

LAYOUT SCALE: 1 IN. = 500 FT.



COUNTY NO. _____
 HWY. NO. _____
 DATE ACCEPTED _____

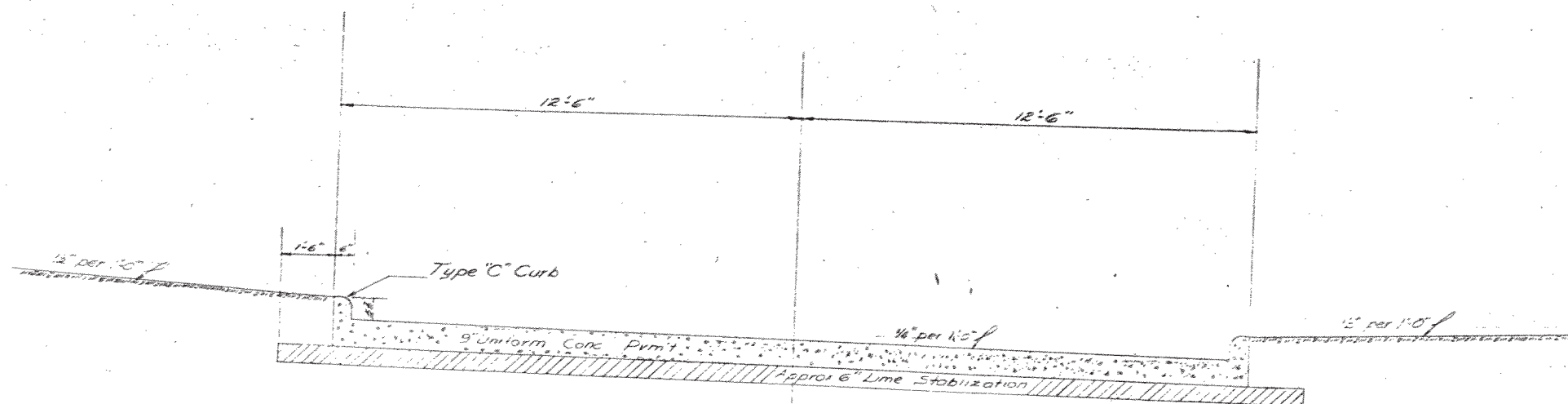
STATE HIGHWAY DEPARTMENT

APPROVED 4-14-58
 H. E. Sumner
 DISTRICT ENGINEER

APPROVED
 CHIEF ENGINEER, H.P.D.

APPROVED
 DISTRICT ENGINEER

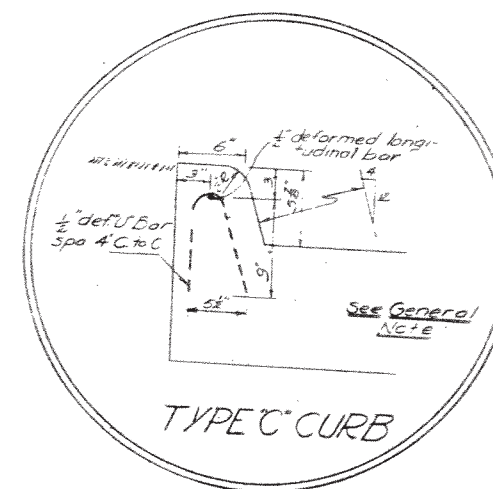
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GENERAL NOTES

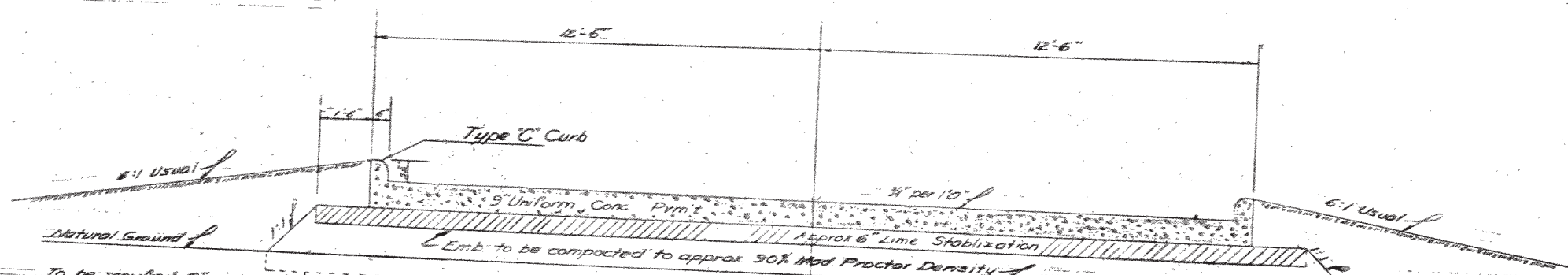
Proposed Typical Cut Section

Approximately 13 Stations



TYPE 'C' CURB

- In those instances where fixed features require the slopes indicated herein may be varied between the limits and to the extent determined by the engineer.
- The required amount of lime shall be applied by the "Slurry Placing" method only.
- 1/2" Preformed Expansion Joint Filler Material shall be installed adjacent to Expansion & Contraction & Warping joints in pavement.
- Payment shall be included in unit bid price for "Monolithic Curb".
- The steel shown in the curb details is for an alternate method of construction only. If the contractor so elects he may place any or all curb after curing of pavement is complete in lieu of placing it monolithic with pavement. If this method of placing curb is used, the contractor shall furnish and install at his entire expense "U" bars & longitudinal bars as shown in the curb detail. The "U" bars are to be placed in the concrete pavement after the final pass of the finishing machine. A neat line and grade will be required.
- Backfilling of excavated areas shall not be paid for directly but shall be considered subsidiary to bid item "Common Road Excavation".



Proposed Typical Fill Section

Approximately 4 Stations

TYPICAL CROSS SECTIONS

| FED. RD. DIST. NO. | STATE | PROJECT NO. |
|--------------------|----------|-------------|
| 20 | TEXAS | C 28-13-18 |
| COUNTY | CONTRACT | SECTION |
| Jefferson | 28-13 | 18 |

| | | | | |
|---------|-----------------------|-----------|-----------------|-----|
| REVISED | FBI ROAD DIST. NO. | STATE | 4TH QUARTER NO. | |
| | 6 | TEXAS | C 20-13-18 | |
| | STA. # DIS. NO. | COUNTY | MONTH | DAY |
| | 20 | JEFFERSON | 20 | 13 |



Top groove shall be cut by an approved machine and the reinforcement bars shall be installed as follows: a 1/4" asphalt impregnated felt strip shall be installed, continuous between expansion joints, on an asphalt board strip held in place by a 1/4" asphalt impregnated felt strip. The bars shall be placed continuously in a groove cut in the concrete by an approved mechanical device operated in advance of the longitudinal float. The strips or groove shall be true to line, vertical, and of the width shown. The bars shall be installed as in Type I, or accurately placed in position on the screeded concrete by means of an approved template and forced to the proper position with a suitable tool.

ALTERNATE TYPES OF LONGITUDINAL JOINTS



The "6" x 1" Wood Strip as shown for Type A shall be continuous for width of pavement, and shall be securely fastened to the subgrade by 40-penny wire nails driven through drilled holes at not more than 30" centers. The Bars shall be placed accurately in position, after screeding, by means of an approved template. The transverse finishing machine shall pass over the joint area after setting the bars.

Type A, 1/8" E or 2x2" Metal Strip --- Cut top surface of concrete directly over wood strip and insert metal strip after screeding and in advance of longitudinal float. Longitudinal float has passed over, remove steel strips prior to finishing.

Type B, Asphalt Board Strip --- Asphalt board strip, held in an approved continuous metal shield, shall be placed continuously in a groove cut by an approved mechanical device operating in advance of the longitudinal float.

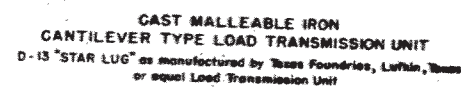
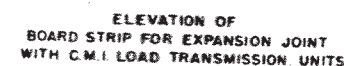
ALTERNATE TYPES OF TRANSVERSE WARPING JOINTS



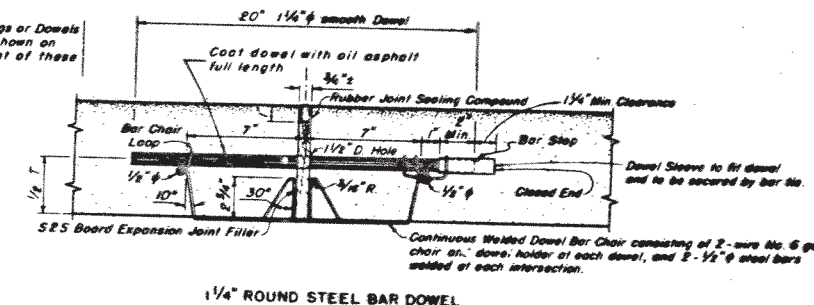
Board Joint Filler of specified type shall be secured on subgrade in exact position and line as illustrated or by other approved device. Pins shall be removed after passage of finishing machine, then pavement resurfaced by second pass of finishing machine. After second passage of finishing machine remove concrete to 1" below top of board and nail 3/4" x 2" wood strip to top of board filler to form joint seal space. Replace concrete and finish with longitudinal float. The wood top strip shall not be removed until immediately prior to pouring joint seal.



ALTERNATE TYPES OF TRANSVERSE CONTRACTION JOINTS



ALTERNATE TYPES OF TRANSVERSE EXPANSION JOINTS



GENERAL NOTES

Either of the alternate types of Joints shown by these details may be constructed, at the option of the Contractor. If the Contractor desires to use any other alternate device, he shall, prior to its use, secure its approval by the Engineer.

All Joints, including all materials, devices, and work required shall be considered subsidiary work and shall be included in the unit price bid for "Concrete Pavement." No direct payment will be made for any material, bar chair, steel, or any other device shown, nor for its installation.

For thickened edge pavements the bottom edges of board expansion joint fillers shall be made to conform with the subgrade by the addition of wedges of the same material and thickness.

The Contractor shall hold and save the State, its officers, its agents, and its employees harmless to liability of any nature or kind, including costs and expenses, for or on account of any patent or unpatented invention, article or appliance manufactured or used in accordance with the details of these plans.

TEXAS HIGHWAY DEPARTMENT
CONCRETE PAVEMENT
JOINT DETAILS
8'-9'-10' SLABS

C.P.J. - 52-2

| | | | | | |
|-----------------------|---------------------------|-----------|-------------------------|-----------------|------------|
| REVISED: FEB. 7, 1988 | FED. Bldg. Supt. Div. | STATE | FEDERAL AND PROJECT NO. | | |
| | 6 | TEXAS | C28-13-18 | | |
| | STATE DIST. AND NO. | COUNTY | CONTRACT NO. | SAC EXCH NO. | JOB NO. |
| | 20 | JEFFERSON | 28 | 13 | 18 |