

January 3, 1965

Justification for Contract Modification # 3 *Expense # 2*

Contract No. 1 Web. IA-28 Beaver Watershed

1. Authority for issuing modification clause # 3, General Provisions.
and section 332.4 of T.C.S. 332.
2. This modification is required to establish a basis for conduct and payment for extra work necessitated by cutting of unknown existing tile lines during installation of the new mains.
3. The unit price is equitable, as determined by examination of contracts covering like items of work in this area in the past, the most recent of which is Webster Co. DD 197, completed in 1965. The operation will include shaping each side of the new trench to secure a firm bearing, hand tamp backfill up to the grade of the pipe to fit, and furnish and install a mortar collar at each end of the pipe, in addition to furnishing the required pipe.

The agreed prices for this work are as follows:

<u>Pipe Size</u>	<u>Cost Per Ft.</u>
6"	3.44
8"	3.74
10"	4.06
12"	5.81
15"	6.25

4. Performance time for work accomplished in accordance with this modification will be extended as indicated in the modification. There is no reliable method of estimating the number or cost of these crossings at the present time.

Plan of Beaver

Costs for different pipe sizes was determined as follows:

<u>Size</u>	<u>6-inch</u>	<u>8-inch</u>	<u>10-inch</u>	<u>12-inch</u>	<u>15-inch</u>
Materials	\$0.94	\$1.24	\$1.56	\$2.31	\$2.75
Labor	2.50	2.50	2.50	3.50	3.50
Total Unit Price	\$3.44	\$3.74	\$4.06	\$5.81	\$6.25

Added by the State Office

January 3, 1965

Justification for Contract Modification # 4

Contract No. Web. IA-28 Beaver Watershed

1. Authority for issuing Modification Clause # 3 General Provisions
2. The necessity of this modification is recognized in Paragraph C-11 of the Engineering Services Agreement. The purpose of this modification is to establish the hourly rate for use of the contractors' equipment for this type of work.
3. Exact field location of existing tile mains at key points is necessary to avoid damaging the lines during installation of new mains, and to provide the location for equalizers. The hourly rate for the equipment, with operator, was arrived at by negotiation with the contractor. This is the same hourly rate paid the contractor for the same equipment on the same type of work in Webster County Drainage District # 27 on October 28, 1965, and for work completed in Webster County DD 197, Sept. 28, 1965. The latter job was a bid item, the letting taking place May 18, 1965.
4. Performance time will be increased as specified in the modification. There is no reliable method of estimating total costs of this item, however these costs will be reflected in the Engineering Services Agreement, and not as a contract cost item.

W. C. J. McLean