CLARENCE C. EULER
DITCH #2419

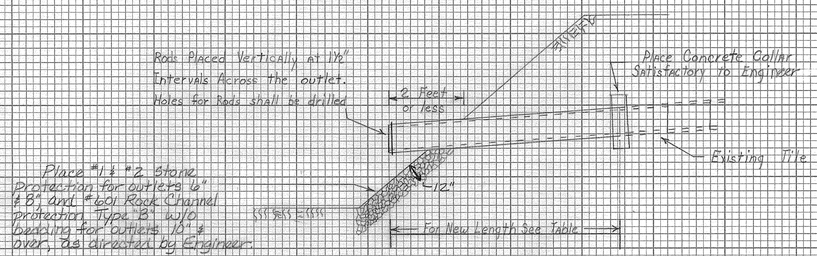
FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TRIMMAPE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

PIPE REPLACEMENT TABLE & DETAIL

NOTE: Remove sufficient length of existing tile or pipe as directed by the engineer.* Cost of the concrete collar, stone protection, vertical rods, removal and disposal of existing pipe shall be included in the cost of new pipe.

Size of the new Type "E" (711.29) Conduit shall be equal to existing. However, all 3", 4" & 5" existing pipe shall use a 6" pipe replacement.

*For washed-out tile on the road side, pipe replacement shall be as long as possible without disturbing pavement, & all backfill shall be #304 Stone, with a 12" cover of #1 & #2 stone protection extending from toe of slope to top of bank, as directed by the engineer.

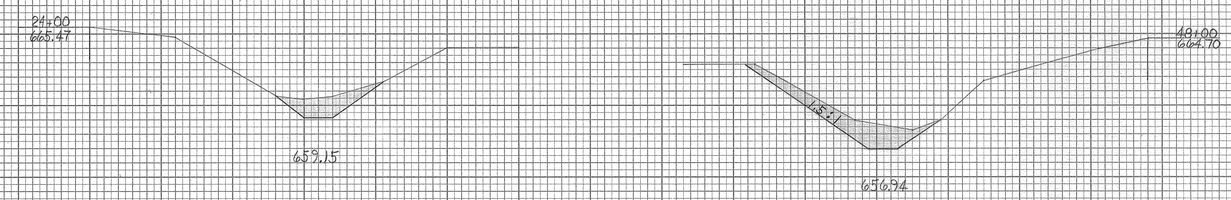


FREEBOARD	TILE SIZE		
Ditch Bottom to Pipe Invert	Under 6"	6" & 8"	10" & Over
Under 2 Feet	12 Feet	12 Feet	16 Feet
2 Feet & Over	12 Feet	16 Feet	20 Feet

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
	TRIMMAPE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

TYPICAL CROSS-SECTION

MAIN



BRANCH #1

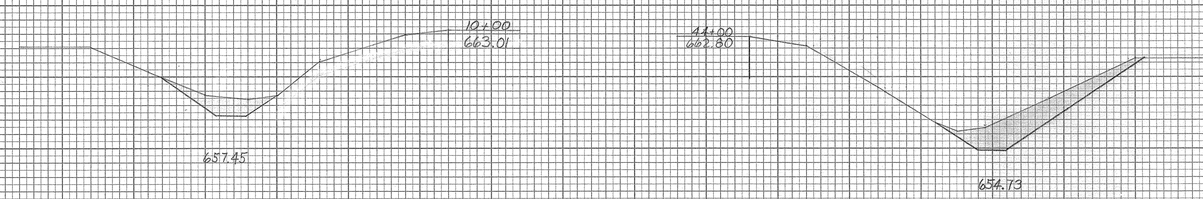


PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

SCALE: 1" = 5'