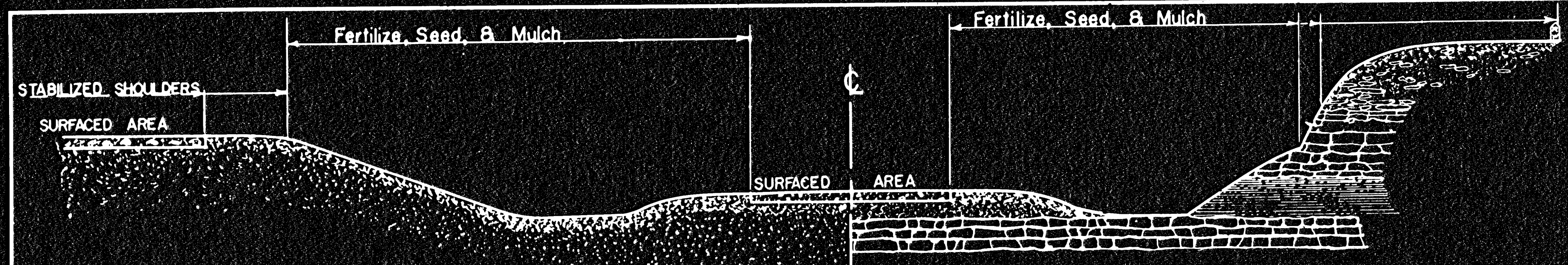
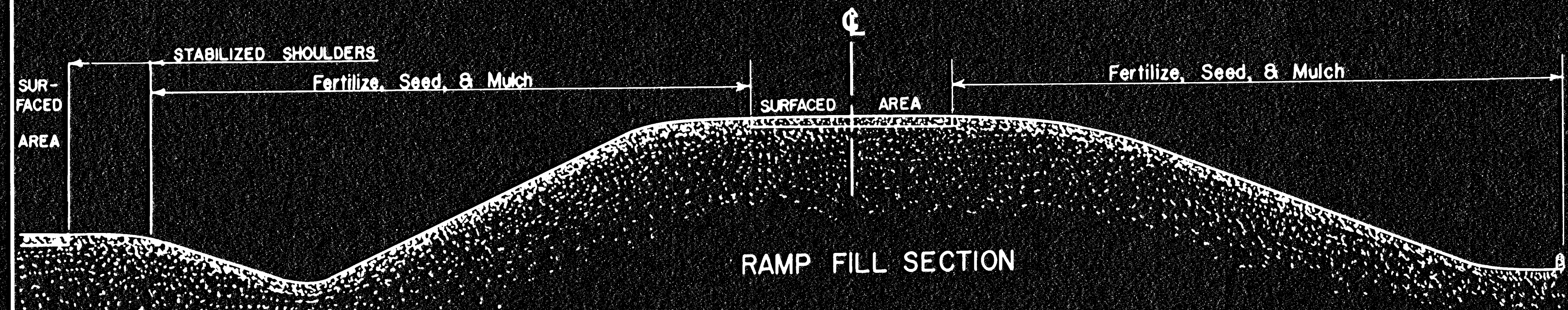


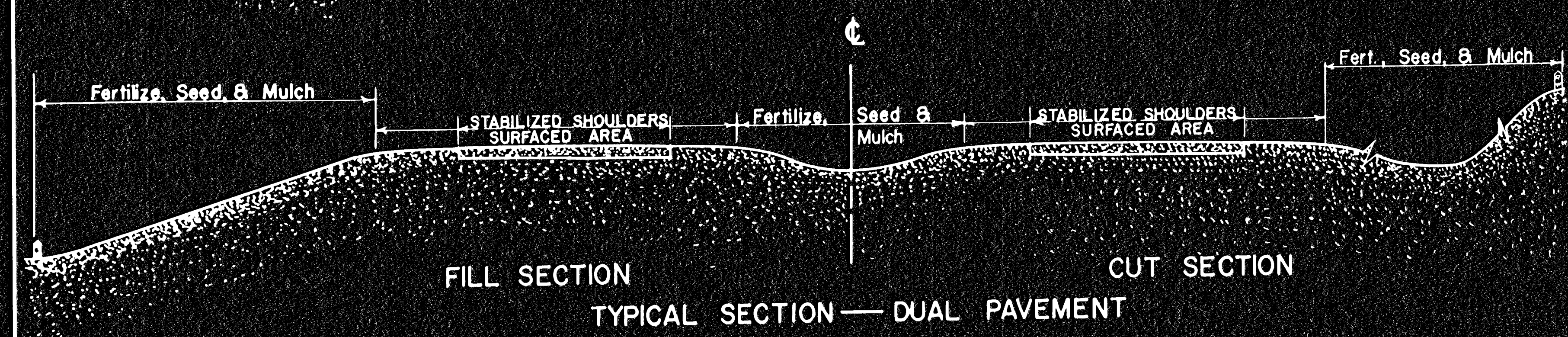
PHASE II



RAMP CUT SECTION



RAMP FILL SECTION



FILL SECTION CUT SECTION  
TYPICAL SECTION—DUAL PAVEMENT

THE ENTIRE RIGHT OF WAY, EXCEPTING THE PAVED OR SURFACED AREAS, STEEP ROCKY SLOPES AND AREAS OF UNDISTURBED NATIVE SOD OR OTHER DESIRABLE VEGETATION SHALL BE FERTILIZED (LIMED WHEN REQUIRED), SEEDED, AND MULCHED. SOIL PREPARATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS.

THE AMOUNT OF MULCH IN THE BID QUANTITIES IS ESTIMATED. THE TOTAL MULCH REQUIRED SHALL BE DETERMINED IN THE FIELD.

MULCH SHALL BE SPREAD UNIFORMLY OVER ALL DISTURBED AREAS AND PUNCHED INTO THE SOIL, UNLESS OTHERWISE NOTED ON THE PLANS.

ALL BORROW AREAS SHOWN ON THE PLANS ARE TO BE FERTILIZED, SEEDED, AND MULCHED. HOWEVER, OPERATION IN BORROW AREAS WHERE CROPS ARE GROWING MAY BE OMITTED WHEN REQUESTED BY THE OWNER.

The rate of application per acre, thickness in place for the various mulching materials are as follows:

Prairie Hay Mulching	1 1/2 - 2 tons per acre	=	1 1/2" loose depth spread uniformly over acre.
Bromegrass Mulching	1 1/2 - 2 tons per acre	=	1 1/2" loose depth spread uniformly over acre.
Wheat or Oats Straw Mulching	1 1/2 - 2 tons per acre	=	3" loose depth spread uniformly over acre.
Wood Chips Mulching	4 - 5 tons per acre	=	1"-2" loose depth spread uniformly over acre.

Other vegetative mulches may be acceptable, if Engineer concurs.

The above rates are a guide. It will be at the discretion of the Engineer to determine what rate is sufficient, for adequate protection of newly seeded areas.

Fertilizer Note: \* A ratio and application rate that equals or exceeds the required minimum rate per acre of N - P<sub>2</sub>O<sub>5</sub> - K<sub>2</sub>O listed in Summary of Quantities will be acceptable.

SUMMARY OF SEEDING QUANTITIES									
SEEDING PERIOD: FEB. 15 TO APRIL 20 AND AUG. 15 TO SEPT. 30   SODDING PERIOD: BERMOUDA GRASS SOD ROOTS - APRIL 15 TO LINE 15									
RATE	ACRES		ITEM	BID QUANTITIES			UNIT		
	Pt. I	Pt. II		Pt. I	Pt. II	Total			
350 *	102	9.4	* Fertilizer (12-24-12)	35,700	3,290	38,990	lbs.		
4	102	9.4	Blue Grama Grass Seed (Lovington)	408	38	446	lbs.		
6	102	9.4	Italian Ryegrass Seed	612	56	668	lbs.		
4	102	9.4	Little Bluestem Grass Seed (Aldous)	408	38	446	lbs.		
12	102	9.4	Sard Bluestem Grass Seed (Woodward)	1,224	113	1,337	lbs.		
3	102	9.4	Sard Lovegrass Seed	306	28	334	lbs.		
7	102	9.4	Side-Oats Grama Grass Seed (El Reno)	714	66	780	lbs.		
4	102	9.4	Switchgrass Seed (Blackwell)	408	38	446	lbs.		
8	102	9.4	Western Wheatgrass Seed (Barton)	816	75	891	lbs.		
			Erosion Control	462	0	462	sq. yds.		
			Mulching	102	9.4	111.4	acres		

EROSION CONTROL LOCATIONS  
side sta. to sta. square yards

PHASE II  
Pt. I  
Ramp 3

Lt. Ditch Lining 914+69 917+00 462

4	11-1-77	Fertilizer Note Added	LFP	L.M.C.
3	8-12-68	Revised	LFP	L.M.C.
2	7-1-64	Mulching Borrow Pits (Note Added)	LDS	F.T.R.
1	9-16-60	Revised and Redesignated	MLM	F.T.R.
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION  
EROSION CONTROL  
SEEDING—SODDING  
SUMMARY OF SEEDING QUANTITIES  
STD. NO. 850.4

SHEET NO. OF	SCALE	APP'D
DESIGNED BY	QUANTITIES	TRACED
DESIGN CR.	QUAN. CR.	TRACE CR.