[illegible] CALCULATIONS

[illegible]

	10+00	11+80	62+44	67+52	102+88	116+17
	11+80	61+44	67+52	102+88	116+17	148+62
	120	324	344	584	664	664
	30	81	86	77	82	82
	[illegible]	.04	.04	.04	.04	.04
	[illegible]	[illegible]	.0002	.0002	.0002	.0002
	.0087	.0087	.0086	.0087	.0086	.0086
	517	1818	1788	2607	2788	3660
	517	1848	3552	2688	2840	3716
	[illegible]	24	24	211	211	211
	3	3	3	3	3	3
	.9	3.0	3.4	3.9	7.1	7.6
	2.72	2.72	38.32	42.12	44.92	56.12
	1.85	.7	.46	1.82	1.79	.46

		NEW		NEW		
		116+17	120+44	127+55	135+56	146+17
		80	77.1	77.7	88.4	66.4
		[illegible]	[illegible]	77	77	82
		[illegible]	[illegible]	2 SPAN	2.9	2 SPAN
		[illegible]	CHIP	CONCRETE	CHIP	CONCRETE
		[illegible]	.025	—	.025	—
		[illegible]	.08	.15	.25	.33
		367	17.68	7.0	28.27	32.8
		[illegible]	[illegible]	—	[illegible]	—
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		2.87	7.9	2.15	7.72	2.15
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CONSTRUCTION SPECIFICATIONS

(1) [illegible] BANK SLOPES WILL BE CONSTRUCTED IN A 3 FOOT HORIZONTAL TO 1 FOOT VERTICAL.

(2) MINIMUM CONSTRUCTED BOTTOM WIDTH WILL BE 8 FEET.

(3) ALL CONSTRUCTION WILL BE DONE IN THE WEST BANK 8 FEET AS SHOWN IN CROSS-SECTIONS IN SECTION VARIOUS OF THE DITCH.

(4) FINAL SPREADING OF THE SPOIL WILL BE DONE IN A MINIMUM OF ALL SIDEHILLS WITH A MAXIMUM THICKNESS OF 8 INCHES.

(5) SMALL MATERIAL WILL BE REMOVED FROM THE CONSTRUCTION SITE AT THE 2 FARMSTEADS.

(6) THE 5 FOOT D. CMP ACROSS OIL CENTER ALL, ONE CONCRETE BRIDGE ACROSS HARRISBURG ROAD, AND TWO CONCRETE FARM LANE BRIDGES WILL BE CLEANED TO GRADE.

(7) ALL TILE OUTLETS WILL BE PROTECTED WITH OUTLET PIPES WITH ANIMAL GUARDS.

LENGTH OF DITCH CONSTRUCTION 15,783 FEET

APPROXIMATE EARTHMOVING 16,320 CU YDS.

NOTE AT STA. 41+30 THE AT&T CABLE CROSSES THIS DITCH. PRIOR TO ANY CONSTRUCTION THE COMPANY SHALL BE NOTIFIED SO AS TO HAVE A REPRESENTATIVE PRESENT DURING CONSTRUCTION OVER THE CABLE LINE.

AT STATION 10+30 THE SUBURBAN GAS LINE CROSSES THIS DITCH. PRIOR TO ANY CONSTRUCTION THE COMPANY SHALL BE NOTIFIED SO AS TO HAVE A REPRESENTATIVE PRESENT DURING CONSTRUCTION OVER THE GAS LINE.

SEEDING SPECIFICATIONS

(1) SEEDING WILL EXTEND FROM THE LOW WATER LEVEL OF THE DITCH TO THE TOP OF THE WEST BANK AND EXTEND FROM THE EAST BANK, PLUS A MINIMUM BERM WIDTH OF 4 FEET.

(2) THE BANKS WILL BE SEEDED AND FERTILIZED WITHIN A MINIMUM OF 4 HOURS AFTER THE BANKS HAVE BEEN EXCAVATED.

(3) SEED - APPLY TALL FESCUE AT A RATE OF 2.3 POUNDS PER 1000 SQ. FT. OR 100 POUNDS PER ACRE.

(4) FERTILIZER - APPLY 5 POUNDS PER 1000 SQ. FT OR 600 POUNDS PER ACRE OF 10-10-10 (OR ITS EQUIVALENT)

(5) BANKS TO BE SEEDED 247,877 SQ. FT OR 5.69 ACRE
BERM TO BE SEEDED 54,088 SQ. FT OR 1.26 ACRE
TOTAL TO BE SEEDED 302,365 SQ. FT OR 6.95 ACRE

MATERIALS NEEDED

TALL FESCUE 695 POUNDS
FERTILIZER 4170 POUNDS 10-10-10

PROTECTIVE STONE PLACEMENT

STATION 10+32
3-4" DIAMETER ROCK PLACED BELOW 12" OUTLET PIPE AND ALONG SIDE OF PIPE 9 INCHES THICK, 3 FEET WIDE

QUANTITY NEEDED 11 cu. ft.

STATION 28+48
SEE PLAN OH-1-75-77-33 FOR DETAILS

RANGELINE FARD DITCH
SEC. 1, 2, 3, 24, 25 JACKSON TWP.
SEC. 1&2, 3 HENRY TWP. UNCO CO. OHIO

REPORTED DITCH RECONSTRUCTION

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed S. NIKAEL	Date 11/76	Approved by	
Drawn S. NIKAEL	1/76	Title	
Traced		Date	Drawing No.
Checked A. Brate			OH-1-75-77-4

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