

343 (9)

Diary

WHEELER

FREDERICK POST

FIELD BOOK

No. 340-10

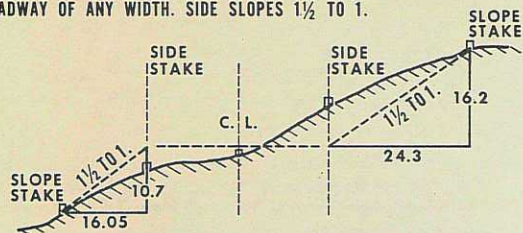


343 (9) DIARY



### DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

ROADWAY OF ANY WIDTH. SIDE SLOPES 1½ TO 1.



Cut or Fill	Distance out from Side or Shoulder Stake.										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0 30	0 45	0 60	0 75	0 90	1 05	1 20	1 35	0
1	1 50	1 65	1 80	1 95	2 10	2 25	2 40	2 55	2 70	2 85	1
2	3 00	3 15	3 30	3 45	3 60	3 75	3 90	4 05	4 20	4 35	2
3	4 50	4 65	4 80	4 95	5 10	5 25	5 40	5 55	5 70	5 85	3
4	6 00	6 15	6 30	6 45	6 60	6 75	6 90	7 05	7 20	7 35	4
5	7 50	7 65	7 80	7 95	8 10	8 25	8 40	8 55	8 70	8 85	5
6	9 00	9 15	9 30	9 45	9 60	9 75	9 90	10 05	10 20	10 35	6
7	10 50	10 65	10 80	10 95	11 10	11 25	11 40	11 55	11 70	11 85	7
8	12 00	12 15	12 30	12 45	12 60	12 75	12 90	13 05	13 20	13 35	8
9	13 50	13 65	13 80	13 95	14 10	14 25	14 40	14 55	14 70	14 85	9
10	15 00	15 15	15 30	15 45	15 60	15 75	15 90	16 05	16 20	16 35	10
11	16 50	16 65	16 80	16 95	17 10	17 25	17 40	17 55	17 70	17 85	11
12	18 00	18 15	18 30	18 45	18 60	18 75	18 90	19 05	19 20	19 35	12
13	19 50	19 65	19 80	19 95	20 10	20 25	20 40	20 55	20 70	20 85	13
14	21 00	21 15	21 30	21 45	21 60	21 75	21 90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23 10	23 25	23 40	23 55	23 70	23 85	15
16	24 00	24 15	24 30	24 45	24 60	24 75	24 90	25 05	25 20	25 35	16
17	25 50	25 65	25 80	25 95	26 10	26 25	26 40	26 55	26 70	26 85	17
18	27 00	27 15	27 30	27 45	27 60	27 75	27 90	28 05	28 20	28 35	18
19	28 50	28 65	28 80	28 95	29 10	29 25	29 40	29 55	29 70	29 85	19
20	30 00	30 15	30 30	30 45	30 60	30 75	30 90	31 05	31 20	31 35	20
21	31 50	31 65	31 80	31 95	32 10	32 25	32 40	32 55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33 60	33 75	33 90	34 05	34 20	34 35	22
23	34 50	34 65	34 80	34 95	35 10	35 25	35 40	35 55	35 70	35 85	23
24	36 00	36 15	36 30	36 45	36 60	36 75	36 90	37 05	37 20	37 35	24
25	37 50	37 65	37 80	37 95	38 10	38 25	38 40	38 55	38 70	38 85	25
26	39 00	39 15	39 30	39 45	39 60	39 75	39 90	40 05	40 20	40 35	26
27	40 50	40 65	40 80	40 95	41 10	41 25	41 40	41 55	41 70	41 85	27
28	42 00	42 15	42 30	42 45	42 60	42 75	42 90	43 05	43 20	43 35	28
29	43 50	43 65	43 80	43 95	44 10	44 25	44 40	44 55	44 70	44 85	29
30	45 00	45 15	45 30	45 45	45 60	45 75	45 90	46 05	46 20	46 35	30
31	46 50	46 65	46 80	46 95	47 10	47 25	47 40	47 55	47 70	47 85	31
32	48 00	48 15	48 30	48 45	48 60	48 75	48 90	49 05	49 20	49 35	32
33	49 50	49 65	49 80	49 95	50 10	50 25	50 40	50 55	50 70	50 85	33
34	51 00	51 15	51 30	51 45	51 60	51 75	51 90	52 05	52 20	52 35	34
35	52 50	52 65	52 80	52 95	53 10	53 25	53 40	53 55	53 70	53 85	35
36	54 00	54 15	54 30	54 45	54 60	54 75	54 90	55 05	55 20	55 35	36
37	55 50	55 65	55 80	55 95	56 10	56 25	56 40	56 55	56 70	56 85	37
38	57 00	57 15	57 30	57 45	57 60	57 75	57 90	58 05	58 20	58 35	38
39	58 50	58 65	58 80	58 95	59 10	59 25	59 40	59 55	59 70	59 85	39
40	60 00	60 15	60 30	60 45	60 60	60 75	60 90	61 05	61 20	61 35	40

Property of Cash County  
Engineering Dept.

Address \_\_\_\_\_

Telephone \_\_\_\_\_

This Book is manufactured of a High Grade 50% Rag Paper having a Water Resisting Surface, and is sewed with Nylon Water-proof Thread.







Status

Project # C.R. 343(9)

length 2755 ft.

sta. 257+81<sup>85</sup> to 284+31<sup>32</sup>

Estimate # 34800.00

Approved for Construction 11-9-75



date May 10 1976  
Weather Fair - warm

Called Mt Fuel at 7:30 AM. They  
located their gas line 55' north of power  
pole and 45' deep.

Backhoe arrived @ 8:15 + operator  
Loader + blade 8:30 " "

1 pick up Tr. " "

3 Laborers " "

Started moving Dunn's fence. He was  
present and protesting most of time  
back hoe on digging for sewer and  
water lines. Found 15" pipe above  
both sewer and water. Located gas line  
at elevation 4883.0

Made grade for ditch for pipe and  
started digging ditch on the Lt.  
between stations and

Changed grade of pipe to.

5

### Summary

Labor:-

Blade operator	8 hrs @ 5.11
Backhoe "	8 hrs @ 4.15
Loader operator	8 hrs @ 4.63
Labor (2)	8 hrs @ 3.58
Supr.	9 hrs @ 5.64
Equipment	hrs @
Blade	hrs @ NC
Backhoe	hrs @ 16.30
Loader	hrs @ 13.05

G. L. Rubinson



DATE MAY 11, 1976

CLOUDY AND COOL

BEGAN TODAY BY EXCAVATING SOUTH SIDE  
DITCH. BACKHOE ARRIVED AT 8:15 SMALL  
LOADER AT 8:30.

FOUND THAT THE BACKHOE WASN'T  
ABLE TO REACH THE DITCH EDGE BROUGHT  
IN LARGE LOADER TO WORK FROM THE  
FIELD SIDE AND PUSH THE DIRT. ARRIVED  
AT 9:00. MOTOR PATROL, AND DUMP  
TRUCK ARRIVED AT 9:15 AND BEGAN TO  
CLEAR NORTH SIDE AND FORM DITCH.

Backhoe broke down and left job  
at 10:15 AM

Preston B. Ward

7

Materials:-

13 - 6' metal posts @  
~~13~~ RE Ties @

Summary:-

Labor -	8@	3.58
Backhoe op	4@	4.57
blad op	8@	5.11
loader op	4@	4.63
truck driver	8@	3.58
supr.	9@	5.64

Equipment

Backhoe	4hr @	16.30
Blade	8hr @	13.05
Loader	4hr @	25.25



MAY 12, 1976  
FAIR WARM

BEGAN TO PUT UP SOUTH FENCE.  
3 COUNTY MEN 1 PICK-UP AND 966  
CAT WERE HERE AT 8:00 AT 8:40  
THE COUNTY BACKHOE ARRIVED. DUG OUT  
WATER HOLE FOR MR. DOWNS THEN BEGAN  
TO EXCAVATE DITCH ON NORTH SIDE OF  
ROADWAY. AT 9:00 ONE OTHER COUNTY  
MAN CAME WITH A PICK-UP TRUCK  
LOAD OF FENCE POSTS  
FINISHED SOUTH FENCE OF DOWNS  
PROPERTY AND EXCAVATED APPROX 600'  
OF NORTH DITCH.

Preston B. Ward

9

MATERIAL

41 7' FENCE POSTS  
1 ROLL BARBED WIRE  
1 PAIR WIRE CUTTERS (COUNTY)

HRS

EQUIPMENT

BACKHOE 8 hrs @ 16.30  
MOTOR PATROL NC  
966 CAT NC  
CHEV. PICK-UP NC

MEN

BACKHOE OPER 8 hrs @ 4.15  
LABORER 8 hrs @ 5.11  
LABORER 8 hrs @ 4.63  
LABORER 8 hrs @ 3.58  
LABORER 8 hrs @ 3.58  
SUPR. 9 hrs @ 5.64



MAY 13, 1976

FAIR WARM CLEAR

BEGAN TODAY BY PUTTING UP FENCE  
ON SOUTH SIDE ABOVE IMPORT AUTO  
RENTED A POST HOLE DIGGER FROM  
TIME RENTAL.

LOADER AND PATROL WERE HERE  
AT 8:00 BACKHOE ARRIVED AT 8:30  
AND CONTINUED TO CLEAN OUT DITCH  
ON NORTH SIDE

AT 10:00 THE FENCING WAS DONE  
AT 1045 1 DUMP TRUCK ARRIVED TO BEGIN  
HUALING AWAY THE MUCK FROM THE DITCH  
EXCAVATION. AT 3:00 THE 30" + PIPE  
ARRIVED, WE FOUND THAT COMPACTION  
WAS IMPOSSIBLE BECAUSE OF THE SOFT  
MUD. SO THE TRENCH WAS REDUG TO  
APROX 1 1/2 FEET BELOW GRADE 4 LOADS OF  
GRAVEL WERE BROUGHT TO THE PROJECT.

Preston B. Ward

11

MATERIALS

9 - 7' FENCE POSTS

30" x 70' PIPE CULVERT (IRRIGATION Co.)

EQUIPMENT

MOTOR PATROL

Hrs RATE

NC

COMPACTOR (TIME RENTAL)

POST HOLE DIGGER (TIME RENTAL)

BACKHOE

8 hrs @ 16.30

DUMP TRUCK

4 hrs @ 9.60

LOADER

4 hrs @ 25.25

BACKHOE OPER.

8 hrs @ 4.15

TRUCK DRIVER

4 hrs @ 3.58

LOADER OPER.

4 hrs @ 4.63

LABORER

9 hrs @ 5.11

LABORER

8 hrs @ 3.58

SUPR.

9 hrs @ 5.64



MAY 14, 1976  
FAIR, CLEAR, WARM

BEGAN TO PUT IN 4 PIPE TODAY AT 8:00  
BACKHOE, LOADER, MOTOR PATROL, 2 DUMP  
TRUCKS, PICK-UP AND CONDUCTOR FROM  
TIME RENTAL WERE ON THE JOB  
PIPE DATA: 3 20' LENGTH.

1 10' LENGTH

ASTM A444-446 AM

AASHTO M-218

LOT # 2

HT. 94 E6 4/

Ø 23 74 CT

PUT PIPE IN AND CLEARED AROUND  
HAULED DUDGY MUCK PILES.

Preston B. Wal

13

### EQUIPMENT

MOTOR PATROL	4 hrs @ 13.05
LOADER	8 hrs @ 25.25
BACKHOE	8 hrs @ 16.30
2 DUMP TRUCKS	8 hrs @ 9.60

### MEN

PATROL OPER.	4 hrs @ 5.11
BACKHOE OPER.	8 hrs @ 4.15
LOADER OPER	8 hrs @ 4.63
TRUCK DRIVER	8 hrs @ 4.63
TRUCK DRIVER	8 hrs @ 3.58
LABORER	8 hrs @ 3.58
LABORER	5 hrs @ 5.11
SUPR.	9 hrs @ 5.64



MAY 17, 1976

FAIR, WARM & CLEAR

PUT IN MR. DOWN'S CROSS PIPE

BEGAN TO IMPORT BORROW FOR ROADWAY  
FILL.

BEGAN TO PUT IN PRIVATE APPROACH PIPE  
FOR IMPORT AUTO SHOP.

EQUIPMENT ON JOB: 3 10 yd 48,000#  
DUMP TRUCKS, CAT 14E MOTOR PATROL,  
INTER. 78hp  $\frac{3}{4}$  yd BACKHOE.

CONTINUED TO HAUL BORROW ALL DAY  
AND WORK ON PRIVATE APPROACH  
PIPE FOR IMPORT AUTO.

Preston B. Ward

15

MATERIAL

552 cu. yd. GRAVEL

EQUIPMENT

MOTOR PATROL	9 hrs @ 13.05
LOADER	8 hrs @ 25.25
BACKHOE	8 hrs @ 16.30
3 DUMP TRUCKS	(EA) 8 hrs @ 9.60

MEN

PATROL OPER.	9 hrs @ 5.11
LOADER OPER.	8 hrs @ 4.63
BACKHOE OPER.	8 hrs @ 4.15
TRUCK DRIVER	8 hrs @ 3.58
TRUCK DRIVER	8 hrs @ 3.58
TRUCK DRIVER	8 hrs @ 3.25
SUPR.	9 hrs @ 5.64



MAY 18, 1976

FAIR, CLEAR & WARM

STARTED TO PUT IN THE REST OF IMPORT  
AUTO'S PIPE DUMP TRUCKS BEGAN TO  
HAUL GRAVEL AND TWO MEN WITH A  
FLAT BED BEGAN TO TRIM TREES ALONG  
THE PROJECT. HAD THE COUNTY MEN  
RENT A CHAIN SAW FROM TIME RENTAL  
BECAUSE THE COUNTY SAW WAS TOO  
DULL TO CUT. FINISHED TRIMMING  
TREES. BEGAN TO HAUL OUT DIRT FROM  
A DITCH AND PUT IT ON ROADWAY TO  
BE REMOVED.

*Paul J. Ward*

17

MATERIAL.

696.00 CU YDS GRAVEL.

EQUIPMENT.

MOTOR PATROL	9 hrs @ 13.05
LODGER	8 hrs @ 25.25
BACKHOE	2 hrs @ 16.30
4 DUMP TRUCKS	(EA) 8 hrs @ 9.60
CHAIN SAW. (TIME RENTAL)	

MEN.

PATROL OPER.	9 hrs @ 5.11
LODGER OPER.	8 hrs @ 4.63
BACKHOE OPER.	2 hrs @ 4.15
TRUCK DRIVER	8 hrs @ 4.63
TRUCK DRIVER	8 hrs @ 3.58
TRUCK DRIVER	8 hrs @ 3.58
TRUCK DRIVER	8 hrs @ 3.25
SUPR.	9 hrs @ 5.64



MAY 19, 1976

FAIR, CLEAR & WARM

PUT IN A 10' AND AN 8' EXTENSION ON  
EITHER SIDE OF 4" PIPE JUST EAST  
OF RAILROAD TRACKS.

COUNTY TRUCKS CONTINUED TO HAUL  
GRAVEL.

CUT DOWN ON EAST EDGE OF  
RAILROAD TRACKS TO CHECK THE MATERIAL  
THERE. FOUND IT TO BE GOOD.

MOTOR PATROL BEGAN TO CUT ROADWAY  
TO GRADE.

BACKHOE CONTS TO DIG OUT NORTH DITCH  
AT 4:00 THE BACKHOE FINISHED THE  
NORTH DITCH.

MOTOR PATROL WORKED WEST END OF  
PROJECT AND SMOOTHED SLOPES THERE.

Preston B. Wood

19

### MATERIAL

612.00 cu. yds. GRAVEL.

### EQUIPMENT

MOTOR PATROL	9 hrs.	@ 13.05
LOADER	8 hrs.	@ 25.25
BACKHOE	8 hrs.	@ 16.30
4 DUMP TRUCKS	(EA) 8 hrs	@ 9.60
WATER TRUCK	8 hrs	@ 3.75

### MEN

PATROL OPER.	9 hrs @	5.11
LOADER OPER.	8 hrs @	4.63
BACKHOE OPER.	8 hrs @	4.15
TRUCK DRIVER	8 hrs @	4.63
TRUCK DRIVER	8 hrs @	3.58
TRUCK DRIVER	8 hrs @	3.58
TRUCK DRIVER	8 hrs @	3.25
TRUCK DRIVER	8 hrs @	3.38
LABORER	8 hrs @	3.10
SUPR	8 hrs @	5.64



PI  
MAY 20, 1976  
FAIR, CLEAR & WARM

MOTOR PATROL BEGAN TO DRESS SLOPES  
AT LOGANS. WEST END OF NORTH  
DITCH FILLED WITH SLUFF FROM ROADWAY.  
BACKHOE BEGAN TO CLEAN IT OUT.  
LOADER AND DUMP TRUCKS HAULED AWAY  
MUCK FROM DIGGING NORTH SIDE DITCH  
YESTERDAY. COUNTY BACKHOE LEFT JOB AT  
2:30. MEASURED WATER FLOWING IN  
NORTH DITCH AT STA 167 FOUND IT TO  
BE 11.81 CFS. FLATBED ARRIVED AT 3:15  
LEFT JOB SITE AT 4:15 PM.

Preston B. Ward

21

MATERIALS

PIT RUN BORROW

cu. yds.

MEN

EQUIPMENT:

MOTOR PATROL 9 hr @ 13.05  
BACKHOE 8 @ 16.30  
LOADER 8 @ 25.25  
3 DUMP TRUCKS 24 @ 9.60  
WATER TRUCK 8 @ 3.75  
FLATBED not used

MEN

1 @ 7.66  
PATROL OPER. 8 @ 5.11  
BACKHOE OPER. 8 @ 4.15  
LOADER OPER. 8 @ 4.63  
TRUCK DRIVER 8 @ 3.58  
TRUCK DRIVER 8 @ 3.58  
TRUCK DRIVER 8 @ 3.25  
TRUCK DRIVER 8 @ 3.58  
LABORER  
LABORER



MAY 24, 1976  
FAIR, WARM & CLEAR.

BEGAN TO FILL IN DITCH ON EAST  
END OF SOUTH SIDE 5 TRUCK  
HAULED.

TELEPHONE COMPANY CAME AND  
BEGAN TO PUT IN TELEPHONE LINE  
UNDER GROUND.

FINISHED EAST END OF SOUTH  
DITCH -

Preston B. Ward

23

MATERIAL -

cu. yds PIT RUN GRAVEL

EQUIPMENT.

MOTOR PATROL

WATER TRUCK

4 DUMP TRUCKS

1 DUMP TRUCK

LOADER

BACKHOE

MEN:

PATROL OPER.

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

LOADER OPER.

BACKHOE OPER.

SUPR.



MAY 25, 1976

COOL, CLOUDY, RAIN.

BEGAN TO BUILD UP SUB GRADE.  
3 TRUCKS HAULED ONE TRUCK  
BROKE DOWN AND WENT TO THE  
SHOP AT 10:00. ONE MORE DUMP  
TRUCK ARRIVED AT 11:00 BROKEN  
DOWN TRUCK RETURNED AT 11:15.

Preston B. Ward

9340-100.

25

MATERIAL

GRAVULAR BORROW

cu yds

EQUIPMENT:

MOTOR PATROL

LOADER

WATER TRUCK

3 DUMP TRUCKS

1 DUMP TRUCK

MEN:

PATROL OPER.

LOADER OPER.

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER



FAIR & WARM

JUNE 3, 1976

BEGAN TO HAUL BASE COURSE  
3 DUMP TRUCKS, A LOADER  
MOTOR PATROL AND WATER  
TRUCK WERE ON THE JOB.  
FINISHED HAULING FROM STATION  
272 TO STA 284. RUBBER TIRE  
ROLLER COMPACTED MATERIAL.

Preston P. Ward

27

MATERIALS:

UNTREATED BASE COURSE ca. yds.

EQUIPMENT:

MOTOR PATROL

LOADER

ROLLER

WATER TRUCK

3 DUMP TRUCKS

MEN:

PATROL OPER.

LOADER OPER.

ROLLER OPER.

WATER TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER

TRUCK DRIVER



FAIR & WARM JUNE 4, 1976

CONTINUED TO HAUL UNTREATED

BASE COURSE -

MOTOR PATROL, LOADER, RUBBER  
TIRE ROLLER, 4 DUMP TRUCKS, COUNTY  
WATER WAGON & TRUCK LEFT AT NOON  
LOGAN CITY WATER TRUCK CAME AT  
10:30. LOGAN CITY TRUCK LEFT  
AT 12:00. LOGAN CITY TRUCK  
ARRIVED AT JOB AGAIN AT 3:00

MATERIAL:

UNTREATED BASE COURSE cu. yds.

EQUIPMENT:

- MOTOR PATROL
- LOADER
- ROLLER
- LOGAN CITY WATER TRUCK
- WATER TRUCK
- 3 DUMP TRUCKS
- 1 DUMP TRUCK

MEN

- PATROL OPER.
- LOADER OPER
- ROLLER OPER.
- WATER TRUCK OPER.
- WATER TRUCK OPER.
- TRUCK DRIVER
- TRUCK DRIVER
- TRUCK DRIVER
- TRUCK DRIVER



Fair

June 18, 1976

Back hoe and excavator  
placed 12-6" manhole rings,  
4 on Easley ave, 5 on next west,  
and 3 on last one down by RR  
Tracks

Ted 8 hrs @ 4.15

Back hoe 8 hrs @ 16.30

12 rings = \$189.12

G. L. Richardson

Fair

June 22, 1976

31

Back hoe and two City helpers  
placing rings and water  
valves.

Ted 8 hrs @ 4.15

Back hoe 8 hrs @ 16.30

Man hole rings \$182.24

G. L. Richardson



June 25, 1976

Fair

Started hauling road mix aggregate but stopped due to lack of prime.  
hauled 200 cu yds.

Patrol oper	4 hrs	@	5.11
Loader "	4	@	4.68
Water wagon	4	@	3.38
2 Trud Dr	8	@	3.58

Water Patrol	4	@	19.16
Loader	4	@	25.25
Water wagon	4	@	3.75
Trucks	8	@	9.65

June 26

Fair

33

Placed 3300 yds of BAG-70 as prime coat in one hour.  
2 flagmen to control traffic.

Laborer	8 hrs	@	3.30
"	8 hrs	@	3.00

oil - -  
Spreading -



June 28 1976

Fair

Hauling road mix aggregate.  
960 Cu. Yd.

Patrol oper.	9 @	5.11
Loader "	8 @	4.63
Tr. Driver	8 @	4.15
"	14 @	3.58
"	16 @	3.25
Labourer	8 @	3.10

Patrol	9 @	13.65
Loader	8 @	25.25
Trucks	40 @	9.65

June 29, 1976

Fair

35

Spread about 20000 gals of  
30 800 and started mixing.

Patrol oper	12 @	5.11
" "	10 @	4.63
Labour	12 @	3.10
"	12 @	3.38

2 patrol 22 hrs @ 18.65

20000 gals out - see tickets



June 30, 1974 For

Mixing windrow

Patrol oper	9 @ 5.11
" "	8 @ 4.63
Labor	8 @ 3.10
"	8 @ 3.38

2 patrols 17 hrs @ 18.66

July 1 1974 For

37

Laying down mix

Patrol gas	9 @ 5.11
Patrol oper	4 @ 4.63
roller gas	4 @ 4.63
Tr. Dr.	8 @ 3.38
TK Dr	4 @ 4.15
" "	4 @ 3.58

Patrol	13 hrs @ 18.66
roller	4 @ 12.75
work wagon	8 @ 3.75
Truck	8 @ 9.65



July 2, 1976 FAW  
Rolling grade

roller gas 9 @ 4.63  
TR 4 @ 3.38

roller 4 hrs @ 12.75  
water TR 4 @ 3.75