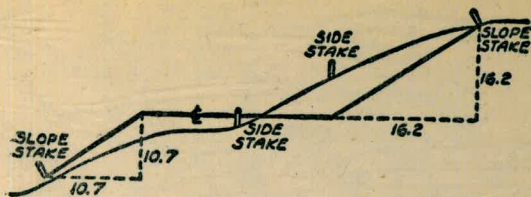


# WORLD

THE

WORLD

THE



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
SLOPE 1 TO 1, ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.



STD. OIL CO. # U587499.

TOTAL \$ 78.48

CORCO PAC. LTD.

RANSOM'S # U-10246

(TOTAL: \$ 3.23)

WEBB BROS. Inv. # 16127.

TOTAL: \$ 8.61

G.S. PARSONS # R-26235.

\$ 3.92

RANSOM'S # W-7553.

TOTAL: \$ 8.65

STD. OIL CO. # Z 170547

TOTAL: \$ 105.81

STD. OIL CO. Z-170610

TOTAL \$ 108.65

RANSOM BROS. # W-7751.

\$ 2.88

SOBEN WHISLE, ELECT. # 17505

\$ 35.81

CORCO PAC. LTD. ON CONSIGNMENT.

DATE: AMT. MATERIAL.

DATE:	AMT.	MATERIAL.
Nov. 2, '35	50	GALS. GASOLINE. .252 GAL.
	428	" DIESEL FUEL. .138 "
"	10	STARTER DRILLS, REPAIRED.
" 5.	1 pc.	2" x 8" x 6 FT. REDWOOD, CUT TO 6' RAD. \$2.03
	2	1/4" x 4" MACHINE BOLTS 110
	2	CANS "RED DEVIL" SOOT REMOVER.
	58	L.F. 3/8" PREFORM WIRE CABLE. \$ 9.74
" 5.	150	L.F. 5/16" " " " \$ 22.35
	2	3/4" x 3 1/2" MACH. BOLTS. .38
" 5.	1	BOTTLE OXYGEN.
Nov. 6.	24	FLASHLIGHT BATTERIES \$ 3.60
	24	100-WATT ELECT. LAMPS.
	35	LIBS. TRACTOR ROLLER LUBRICANT. \$ 5.44
	705	GALS. DIESEL FUEL. \$ 97.29
Nov. 10.	69	" GASOLINE.
	642	" DIESEL FUEL.
	2	AXE HANDLES.
	120	100-WATT ROUGH SERVICE LAMPS.
	15	Starter Drills, repaired



G.S. PARSONS Co. # 26247. \$3.92.  
 STO. OIL Co. # Z 170621 \$116.61

PURINA CHOW FEED Co. CASH PUR. \$2.00  
 SHEA Co. BY PENNEBONM.

G.S. PARSONS Co. # 28402 \$10.94

RANSOMS #W-8055 \$5.82

NOTE: BILLED FOR 250 - 1" X 1/2" BARS - REC'D. 250 PCS. 245 PCS.  
 TROJAN STEEL Co. # 7490 TOTAL WT. 14,522 PER BILL  
 WEIGHT OF  
 NOTE: SMALL DOWEL BARS NOT INCLUDED IN BILL.  
 COST: \$1,302.62

RANSOMS #W-8086 \$9.27

WINN SUPPLY Co. # C-8283. \$60.05

STO. OIL Co. # Z 170632. TOTAL: \$53.24  
 \$48.24

TROJAN STEEL INC. No. 7504. \$1,110.67

DATE:	AMT.	MATERIAL.
Nov. 13, '59	1	BOTTLE OXYGEN.
"	540	GALS. DIESEL FUEL. #74.52
"	53	" RPM DELO SPCL #30 OIL. #38.69
Nov. 17, '59	20	GUNNY SACKS FOR SAND BAGS.
"	120'	L.F. $\frac{3}{8}$ " WIRE CABLE.
"	194.5	L.F. $\frac{1}{16}$ " " "
Nov. 18, '59	1	OXYGEN
"	1	ACETYLENE, W.K.
"	35	LBS. 12 GAUGE BLACK WIRE 5.25
"	1	HOSE CONNECTION, $\frac{3}{4}$ " X $\frac{3}{4}$ " .40
"	126	#6 STEEL BARS - 30' LONG.
"	250	#8 " " 18'8" CURVED.
"	245	" " " " " "
"	1448	LBS. MISC. SHORT DOWEL BARS.
Nov. 19.	2	BELTS FOR COMPRESSOR. # GATES. 108T
"	100	L.F. 1" AIR HOSE - RED. 1 PIECE.
"	143	GALS. STOVE OIL.
"	216	" DIESEL FUEL.
"	350	#8 STEEL BARS, 18'8" LONG, CURVED. WT. = <u>12,382</u> LBS.



		DATE:	AMT.	MATERIAL.	
STD. OIL Co. # Z-170640	TOTAL: \$154.20	NOV. 20, '53	78	GALS. GASOLINE.	\$18.40
			53	" RPM OILO SPCL. 30 OIL.	\$8.69
			675	" DIESEL FUEL.	\$97.15
RANSOMS # U-11166.	TOTAL: \$4.62		1	ROLL 15 LB. FELT ROOFING PAPER	\$2.30
			11	MISC. BUSHINGS & PLUGS.	\$2.19
TROJAN STEEL Co. # 7524	TOTAL WT. \$1,250.69 13,943 LBS.	NOV. 23.	276	BAR# 5 STEEL, 30 FT LONG. 8,636 LBS.	
			150	" #8 " 18'3" LONG, BENT, 5,307 LBS.	
STEPHENS GROCERY, CASH PURCHASE.	\$2.06		16	ROLLS TOILET TISSUE.	
RANSOMS W-8224.	\$0.49	NOV. 24.	1	QUART TURPENTINE FOR INSPECTOR.	
STD. OIL Co. # Z-170705.	\$90.96	" 25.	640	GALS. STD. DIESEL FUEL.	
	DELIVERED BY F.N. TOOD.			WT. 146 LBS.	
RUTHERFORD-SHOURYE STOCK - FOR N. PORTAL.		" "	14	#5 STEEL, 10' LONG. EXTRA BARS.	
GOODALL RUBBER Co. # 15781. # 7850	\$82.19		12	PAIR RUBBER BOOTS, TOE SAVERS.	
			24	FLASHLIGHTS, A2, RUBBER.	\$40.56
CALIF. HOWE Co. # F-4519.	TOTAL: \$76.84		48	" BATTERIES.	\$5.46
			2	12" CRESCENT WRENCHES.	\$4.79
			149	LBS. $\frac{3}{8}$ " X $\frac{1}{2}$ " TRACK SPIKES	\$23.84
				FOR COMPRESSOR.	
GARDNER-DENVER Co. # 18-82603.	\$74.59.	NOV. 27.	1	INTERCOOLER CORE SECTION	
				# WSK-2004, PART NO. 8A45.	
R.H. STEPHANS. # 129.	\$3.30	NOV. 30	4	12-10 SPARK PLUGS; FOR GENERATOR.	



STD. OIL Co. # Z 170720

\$ 76.42

RANSOMS # W-8718.

TOTAL: 15.71

VALLEY FEED & SUPPLY. # 04052. CASH.

\$ 1.20

TROJAN STEEL Co. No. 7557.

\$ 951.99  
WT. 10,613 LBS.

R.H. STEPHEN No. 131. DATED 11-30-53

\$ 16.43

" NO. 132. " 12-1-53.

\$ 2.39

GOODALL RUBBER Co. # 07679.

\$ 16.34

S.O. TRACTOR & EQUIPT. Co. # R-1708E.

TOTAL: \$ 63.61

RING COST 150.00 + TAX.

TOTAL: 597.24

TROJAN STEEL Co. # 7565. TOTAL WT. OF BARS: 4,986 LBS.

COST 269.46

NOT NEEDED AT N. END. TOTAL WT. 3,004 LBS.

CREDIT MEMO DATED DEC. 11, 53 No. 7660

WT. 3,014, AMT: \$ 270.36

DATE.	AMT.	MATERIAL
NOV. 30, 53	72	GALS. GASOLINE.
"	410	" DIESEL FUEL.
"	3	ELECT. PLUGS. .30
"	1	" SWITCH. .75
"	2	LBS. ACID CORE SOLDER 2.50
"	48	100 WATT ELECT. LAMPS. 9.60
"	6	200 " " " 1.80
"	12	GUNNY SACKS - FOR SAND BAGS.
DEC 1, 53.	300	BARS # 8 STEEL, 13' 9" LONG, RENT.
"	1	BATTERY, NIC-L-SILVER \$ 16.43
"	1	BATTERY CABLE \$ 2.39.
"	2	FOR SUPT. & MECH. \$ 7.40 PR. PR. LAGED TOP RUBBER BOOTS.
NOV. 11, 53	MISC.	PARTS FOR AIR COMPRESSOR. \$ 42.61
LATE ENTRY.		LABOR ON COMPRESSOR PARTS \$ 21.00
DEC. 2, 53.	1	PORTAL PLATE RING, 3/8" X 2' WIDE.
"	23	# 6 BARS 3.0 FT. LONG, WELDED ON PLATE RING.
"	135	# 8 BARS, 13' 9" LONG, CURVED.
"	96	# 5 BARS, 30.0' LONG, RETURNED.



STO. OIL CO. # Z170724.

\$108.94

G.S. PARSONS CO. # 28414.

\$14.86

SNEA CO. STOCK BY PENNEROHM.

STO. OIL CO. # Z170735.

\$130.82

DATE: AMT. MATERIAL.

DEC. 2, '53

115

GALS. STOVE OIL.

660

" DIESEL FUEL.

1

BOTTLE OXYGEN, K.

1

" ACETYLENE, W.K.

DEC. 3, '53

4

2 1/4" TIMKEN ROCK BITTS, NEW.

3

2" " " " "

7

1 5/8" " " " USED.

12

1 1/2" " " " NEW.

17

1 3/4" " " " "

1

1 3/4" " CARBIDE INSERT BITT, USED.

2

2 FT. DRILL STEELS, USED.

4

SPADER POINTS, 15" TO 18" LONG.

100±

WOODEN WEDGES.

1

I-R JACK HAMMER, USED,  
TYPE 1 JASS, SERIAL # 450399.

1

I-R SUMP PUMP, USED.

MODEL A, SERIAL # 7307, SIZE: 25.

DEC. 4.

53

GALS. RPM DELO SPCL SAE 30.

640

" DIESEL FUEL.



RAY WEST.

CASH. \$5.15

RANSOM'S # U11948

TOTAL: \$14.21

CHURCHILL &amp; CASSON, LTD. CASH.

TOTAL: \$1.45

WEBB BROS. # 17188. CASH.

\$2.48

S.O. TRACTOR &amp; EQUIP. CO. # 08919E. TOTAL: \$28.76

FUEL INJECTOR PUMP FOR CATERPILLER GENERATOR.

SURPLUS BARS NOT SHOWN ON TROSTAN STEEL INVOICE,  
REMOVED BY FOREMAN FOR RUTHERFORD-SKOWEYE, CO.

STD. OIL CO. # Z 170851.

TOTAL: \$109.07

WEBB BROS. # 17283. CASH.

\$2.59.

DON McINTOSH, RAMONA, # 14. CASH.

\$36.05

WEBB BROS. # 17214. CASH.

\$5.18

WINN SUPPLY CO. C8687.

TOTAL: \$6.57

DEC. 7.

5

LBS.  $\frac{1}{4}$ " BRONZE WELDING ROD.

6

ELECT. PLUGS. \$0.60

48

100-WATT ELECT. LAMPS 9.60

12

200- " " " 3.60

DEC. 8.

1

RIGID CUTTER WHEEL. 1.00

4

FLASH LENSES FOR WELDER GOGGLES.

2

PR. # 1026 - BRUSHES.

2

PR. # 102C "

1

# 2A9895 PUMP ASSEMBLY \$27.26

4

# 9R4519 GASKETS 0.16

1

# 9R4517 ELEMENT 0.50

9

BARS # 5 STEEL, 30' LONG, REMOVED.

DEC. 9.

69

GALS. GASOLINE.

645

" DIESEL FUEL.

1

FOR SLUSHER.  
# 3204 NEW DEPARTURE BALL BEARING.

DEC. 10.

10

GALS. SHELLZONE ANTIFREEZE

2

FOR SLUSHER.  
NEW DEPARTURE BALL BEARINGS

DEC. 3, 51

250

L.F.  $\frac{3}{8}$ " FLEXJET STEEL CABLE.

(LATE ENTRY)

(ONE

REEL # 58-368-ZAA.)



Ransom Brothers	Total #5.56 (Chg)	Dec. 14	4	1/2" Cable clamps	1.20
			12	100 Watt Bulbs	2.40
			6	200 Watt Bulbs	1.80
Standard Oil Co. Z-170867	#84.01	"	591	Gals. Diesel Fuel	
Std. Oil Co. #2170831	TOTAL: #125.08	Dec. 16.	144	GALS. STOVE OIL.	22.03
			440	" DIESEL FUEL.	60.72
			53	" DELO SPEC. MOTOR OIL.	28.69
F.W. CASE Co.		17.	1200	LBS. CALCIUM CHLORIDE.	
RANSOMS. #11998	#7.11	18.	24	100-WATT LAMPS.	
			6	200- " "	
RANSOMS U-11998.	#4.33	21.	24	FLASHLIGHT BATTERIES.	
NINE, MILL MACH. Co. #52869.			1	LONG ROTOR SHAFT #10329-HA.	
FOY AFG. Co. LA-2098.	TOTAL: #26.05		1	BEARING #321X52.	
PARTS FOR REPAIR OF SLUSHER.			1	SNAP RING #175X185	
			1	COVER #8984-HA.	
LANESIDE SAND PLANT		18.	12	CU. YDS. SAND.	
" " "		21.	12	" " "	
STD. OIL Co. Z170991.	TOTAL: #73.51	21.	52	GALS. GASOLINE	
			425	" DIESEL FUEL.	



		DATE:	AMT.	MATERIAL.
RIVERSIDE CEMENT CO. # 22549.	\$584.31-25.75	DEC. 21. '53	500	SACKS RIVERSIDE PORTLAND CEMENT.
RANSOMS U-12759	10.01	" 22.	27	FOR TEST CYLINDERS L.F. 1/2" x 36" HARDWARE CLOTH.
" W-9508	1.55		10	LBS. 40 PENNY NAILS.
LANESIDE SAND PLANT.			12	CU. YDS. SAND.
" " "		DEC. 23.	<del>24</del> 12	" " "
GARDNER DENVER CO. # 9931		"	12	3" QUICK-LOCK INDUSTRIAL GASKET.
LUCKY AUTO SUPPLY, CASH.	\$0.81	"	2	ROLLS GASKET MATERIAL.
RANSOMS # U-12763.	\$1.55	"	10	LBS. 40 PENNY SPINES.
G.S. PARSONS # 29441.	\$14.85	"	1	BOTTLE OXYGEN, K.
		"	1	" ACETYLENE, W.K.
		"	1	SUCTION VALVE ASSEMBLY
		"	1	DISCHARGE VALVE SEAT
GARDNER-DENVER CO. # 617. INV. # B-MII. TOTAL: 158.67		"	1	" " BUMPER
		"	1	" " SEAT GASKET
		"	2	" " DISCS.
		"	6	" " SPRINGS.
F.W. CASE CO.		"	2500	LBS. CALCIUM CHLORIDE
		DEC. 24	18	CU. YDS. SAND.
RIVERSIDE CEMENT CO. # 22651	\$529.16-25.75		500	SACKS CEMENT.
CALIF. HOME CO. # H 7580.	\$16.25		96	FLASHLIGHT BATTERIES



		DATE:	AMT.	MATERIAL.
STO. OIL CO. 2-170916	\$73.35	DEC. 28, 53.	516	GALS. DIESEL FUEL.
CALIF. HOWE. CO. Inv. #07151	\$32.96		200	LBS. TRACK SPIKES.
			12	YDS. SAND.
RIVERSIDE CEMENT CO. 63088.	\$534.31 - 25.75	DEC. 29.	500	SACKS CEMENT.
LAKESIDE SAND PLANT.			24	YDS. SAND.
" " "		DEC. 30.	36	" "
ANSOMBS.			<del>12</del> 12	100 WATT LAMPS.
RIVERSIDE CEMENT CO. Inv. 6-3151.	TOTAL: \$534.31 -25.75	DEC. 31.	500	SACKS CEMENT.
CRANE CO. #22472. (4" WIDE EACH)	TOTAL: \$401.51		89	1" BRASS CHECK VALVES.
LAKESIDE SAND PLANT.			<del>12</del> 12	YDS. SAND.
ANSOM BROS. W-9115	\$0.37		12	FT. COTTON ROPE.
WINN SUPPLY CO. #C8972.	(TOTAL: \$51.91)	DEC. 17.	250	L.F. $\frac{5}{8}$ " FLEXSET WIRE ROPE.
FOR SLUSHER - NOT USED BECAUSE NOT NEEDED.		(LATE ENTRY)	100	L.F. $\frac{7}{16}$ " " " "
ANSOM BROS. W-9675	\$4.04	DEC. 28.	16	100 WATT LAMPS.
		(LATE ENTRY)	3	150 " "
ANSOM BROS. W-9592	\$1.76	DEC. 28.	3	SCREW PLUGS
			2	PLUGS
ANSOMBS.	\$3.04	DEC. 28.	125	1" CORNS FOR GUIDE WIRE PINS.



1954.

		DATE:	No.	MATERIAL.
RANSOM'S #W-9794	\$1.99	JAN. 2.	1	QT. YELLOW PAINT.
ARNELL'S LAKESIDE SAND PLANT.		" 4.	102	YARDS SAND. (DELIVERED SINCE 1ST.)
STD. OIL CO. #Z 170998	\$82.42		50	GALS. GASOLINE
			438	" DIESEL FUEL.
RANSOM'S. W-9932.	\$2.83		1	GAL. WHITE FENCE PAINT.
G.S. PARSONS #28450.	3.91		1	BOTTLE OXYGEN.
F.W. CASE CO.		JAN. 5.	323	100LB. SACKS CALCIUM CHLORIDE
DUCOMMUN M.F.S. CO. INV. #8047.	TOTAL: \$78.85		100	1" RED BRASS STREET ELLS.
DUCOMMUN METALS & SUPPLY CO. #1899.	TOTAL: 107.04		10	1" X 12" RED BRASS NIPPLES. #142ER.
			90	1" X 8" " " " #0.98ER.
ARNELL'S SAND PLANT.			18	YARDS SAND
RIVERSIDE CEMENT CO. G-3254.	\$594.31 LESS \$25.75	JAN. 6.	500	SACKS CEMENT.
ARNELL'S SAND PLANT.			24	YARDS SAND.
RIVERSIDE CEMENT CO. INV. G. 3287.	\$594.31 - 25.75	JAN. 7.	500	SACKS CEMENT.
RANSOM'S W-9865	\$2.66		2	1" X 2" BELL REDUCERS. <small>FOR CORE HOLE WEEPER VALVES.</small>
ARNELL'S SAND PLANT.			36	YARDS SAND.
RIVERSIDE CEMENT CO. G-3328	\$594.31 - 25.95	JAN. 8.	500	SACKS CEMENT.
STD. OIL CO. #Z 343053	\$110.52		106	GALS. STOVE OIL.
			660	" DIESEL FUEL.
ARNELL'S SAND PLANT.			30	YARDS SAND.



RIVERSIDE CEMENT CO. 6-3388.	\$534.91 LESS \$25.75
W.L. MCGONIGLE CO. No. 270	\$8.30
LAKESIDE SAND PLANT., ARNELL'S.	
" " " "	
RIVERSIDE CEMENT CO. 63424.	\$534.91 LESS \$25.75
STD. OIL CO. Z-348049	\$142.48
RAHSON'S W-10281	\$11.74
ARNELLS SAND PLANT.	
STD. OIL CO. Z-348069.	<del>\$78.85</del> \$75.56
STATIONERS SUPPLY, ESCONDIDO - CASH.	\$8.59
WEBB BROS. No. 18776. - CASH.	\$1.25
W.L. MCGONIGLE CO. No. 274.	TOTAL \$9.09
ARNELLS SAND PLANT.	
SOUTHERN MACHINERY CO. - PAID.	TOTAL \$11.04
RIVERSIDE CEMENT CO. TICKET No. 22609.	
DRIVER: ALEXANDER. (NO CERTIFICATION SLIP)	

DATE:	AMT.	MATERIAL.
JAN. 11.	500	SACKS CEMENT.
(LATE ENTRY)	12	8" GASKETS #10-3QL
JAN. 9.	<del>36</del> 24	YARDS SAND.
" 11.	<del>48</del> 48	" "
JAN. 12.	500	SACKS CEMENT.
	36	YARDS SAND.
	722	6ALS DIESEL FUEL.
	53	" RPM DELO SPCL. OIL #30.
	48	100 WATT LAMPS
	6	200 " "
JAN. 13	30	CU. YARDS SAND.
" 14.	116	6ALS. STOVE OIL.
	408	" DIESEL FUEL.
	MISC.	OFFICE SUPPLIES.
	2	PAIRS BRUSHES FOR LIGHT PLANT.
	30	2" GASKETS #10-2QL
	24	YARDS SAND.
JAN. 15, '64	1	REARRING FOR SUMP PUMP + LABOR.
"	500	SACKS CEMENT - <u>30 SACKS DESTROYED IN HANDLING TRAILER.</u>



SODEN WHOLE ELECT. #19961. TOTAL: \$69.95

STD. OIL CO. Z-343089. \$74.06

RIVERSIDE CEMENT CO. G-3629. \$594.31 - <sup>DISC.</sup> \$25.75

RIVERSIDE CEMENT CO. G-3665. \$594.31 - <sup>DISC.</sup> \$25.75

STD. OIL CO. #2343141. TOTAL: \$113.48

RANSOM Bros. #U-13066 TOTAL: \$23.69

NOTE: FOR GROUT PIPE AT N. END. PIPE CUT INTO 13 PIECES, VARIOUS LENGTHS.

RANSOMS W-10552. TOTAL: \$4.79

RANSOMS W-10292. \$1.85

WINN SUPPLY CO. INV. C-9687. \$6.06

S.D. TRACTOR & EQUIP. CO. #A09490. \$3.99

DATE:	AMT.	MATERIAL.
JAN. 18	18	YARDS SAND
" 19	6	YARDS SAND.
"	240	100-WATT LAMPS
JAN. 20	521	GALS. DIESEL FUEL.
	12	YARDS SAND. (INCLUDES 6 YDS FOR 16TH)
JAN. 21.	500	SACKS CEMENT. T. NO. 22625.
	30	YARDS SAND.
JAN. 22.	500	SACKS CEMENT. T. NO. 22626.
	518	GALS. STD. DIESEL FUEL.
	58	" RPM. DELO SPCL. #30 OIL.
	21	L.F. 2" BLACK PIPE CUT & THREADED.
	10	2" BLACK COUPLINGS.
	5	2" x 1 1/2" BLACK BUSHINGS.
	5	1 1/2" x 5" GALV. NIPPLES.
JAN. 14.	8	200 WATT LAMPS .30 EA.
LATE ENTRY)	15	LBS. 40 PENNY SPIRES. .15 LB.
JAN. 12	8	HACK SAW BLADES. .60 EA.
JAN. 14.	1	#80-B-17 SPROCKET.
JAN. 21.	2	#7-B-9256 BRUSHES FOR GENERATOR.
JAN. 15	30	YARDS SAND.



RIVERSIDE CEMENT Co. G-3715

534.31 - <sup>Disc.</sup> 25.75

RANSOMS #W10808.

TOTAL: 16.49

STO. OIL Co. Z-343211

TOTAL: 120.72

G.S. PARSONS Co. Inv. 30471.

TOTAL: 14.86

SODEN WHOLESALE ELECT. 20526.

39.51

RIVERSIDE CEMENT Co. G3845

534.31 - <sup>Disc.</sup> 25.75

DATE:	AMT.	MATERIAL.
JAN. 26, '54	500	SACKS CEMENT. T. No. 22632
"	3	1 1/2" SHUT OFF VALVES.
"	1 1/2	LB. OAKUM.
"	2	1 1/2" x 4" GALV. NIPPLES.
"	1	2" UNION.
"	1	2" x 1 1/2" BUSHING.
"	4	200 WATT ELECT LAMPS. (INCLUDES 23, AND 24 ALSO)
"	36	CU. YDS. GUNITESAND.
JAN. 27, '54	142	GALS. GASOLINE.
"	101	" STOVE OIL.
"	513	" DIESEL FUEL.
JAN. 22	42	YARDS SAND.
JAN. 27.	1	BOTTLE OXYGEN
"	1	" ACETYLENE.
JAN. 27.	18	YARDS SAND.
JAN. 28.	60	200 WATT ELECT. LAMPS.
"	24	YARDS SAND.
JAN. 29.	500	SACKS CEMENT. T. No. 22658.
"	24	YARDS SAND.



RANSOM'S U19380

TOTALS \$2.83

R.H. STEPHEN, ARMONA, #2415  
(FOR REPAIR TO GENERATOR.)

TOTAL: 8.88

STD. OIL CO. #2-343239

# MD. 82  
~~47.82~~

RANSOM'S W-10883.

CASH PURCHASE - WESTERN SPECIALTIES, S.D. \$5.36  
FOR USE WITH WEEPER VALVES.

RIVERSIDE CEMENT CO. G-3945

534.31 - 25.75

DATE:	AMT.	MATERIAL.	
JAN. 29.	1	Pc. $\frac{3}{4}$ " PLYWOOD 2' x 4'	\$2.48.
	1	PLUG END	
JAN. 26	40	L.F. INSULATED WIRE	5.20
	1	CAN WIRE SPRAY PAINT	2.70
	24	WIRE CONNECTORS	.72
JAN. 30.	18	YARDS SAND.	
FEB. 1, '54	850	GALS. DIESEL FUEL.	
	3	$1\frac{1}{2}$ " SHUT OFF VALVES.	
	1	2" UNION	
	1	$1\frac{1}{2}$ " x 5" GALV. NIPPLE.	0.38
	1	QUART OIL CAN.	\$3.75
	3	L.F. 1" RED BRASS PIPE.	
	1	1" RED BRASS COUPLING.	
FEB. 1.	24	YARDS SAND.	
FEB. 2	500	(NO CERTIFICATION SLIPS) SACKS CEMENT. TICKET # P2684.	
	36	YARDS SAND.	



STD. OIL Co. Z-348242

TOTAL: 91.47

RIVERSIDE CEMENT Co. G-3989.

534.31 - <sup>DISC.</sup> 25.75

ARNALL'S

RIVERSIDE CEMENT Co. G-4055

534.31 - <sup>DISC.</sup> 25.75

ARNALL'S.

RIVERSIDE CEMENT Co. G-4068.

534.31 - <sup>DISC.</sup> 25.75

STD. OIL Co. Z-348249.

TOTAL: 113.77

ARNALL'S.

STD. OIL Co. Z-348258.

86.28.

RIVERSIDE CEMENT Co. G-4185

534.31 - <sup>DISC.</sup> 25.75

DATE: AMT. MATERIAL.

FEB. 3, '54 } 51 GALS. STOVE OIL.

40 " GASOLINE.

516 " DIESEL FUEL.

" } 500 SACKS CEMENT TICKET # 22692.

" } 36 YARDS SAND.

FEB. 4, '54 } 500 SACKS CEMENT. TICKET # 22693.

60 YARDS SAND.

FEB. 5, '54 } 500 SACKS CEMENT - TICKET # 22699.

53 GALS. PPM AWLD SPCL OIL, SAE 30.

520 " DIESEL FUEL.

36 YARDS SAND.

FEB. 6, } 30 YARDS SAND.

FEB. 8, '54 } 600 GALS. STD. DIESEL FUEL.

54 YARDS SAND.

FEB. 9, '54 } 500 SACKS CEMENT. TICKET # 22732.

30 YARDS SAND.



		DATE:	AMT.	MATERIAL.
RIVERSIDE CEMENT Co. G-4223.	534.31 - <sup>Disc.</sup> 25.75	FEB. 10, '54	500	SACKS CEMENT. TICKET # 22935.
			36	YARDS SAND.
STD. OIL Co. # 2343200	119.69	FEB. 11, '54	660	GALS. DIESEL FUEL.
			159	" STD. AUTOMOTIVE DIESEL FUEL.
			60	YARDS SAND.
RIVERSIDE CEMENT Co. G-4212.	534.31 - <sup>Disc.</sup> 25.75	FEB. 12.	500	SACKS CEMENT. TICKET NO. 22946.
STD. OIL Co. # 2343276.	87.45		140	GALS. STOVE OIL.
			460	" DIESEL FUEL.
S.D. TRACTOR & EQUIP. Co. 00365.	9.06		1	ELEMENT TR8263
			60	YARDS SAND.
RIVERSIDE CEMENT Co. G-4876.	534.31 - <sup>Disc.</sup> 25.75	FEB. 15.	500	(BEAR BRAND) SACKS CEMENT. TICKET # 22761. # 22674.
			36	YARDS SAND.
S.D. TRACTOR & EQUIP. Co. No. 00376E. TOTAL: 7.62			15	GASKETS, VARIOUS SIZES.
TROJAN STEEL Co. No. 8110.	1,904.06	FEB. 16.	600	# 8 BARS TRANSVERSE STEEL, RENT. 21, 227 LNS.
			36	YARDS SAND.
STD. OIL Co. Z-343353.	82.61		518	GALS. DIESEL FUEL.
			10	" COMPRESSOR OIL # 19.



NOTE: PORTAL  $\frac{3}{8}$ " PLATE RING NOT INCLUDED ON INVOICE <sup>#9190.</sup>

TROTAN STEEL CO. #8120 \$2,275.87

TOTAL WEIGHT, EXCEPT RING, = 25,372 LBS.

WEIGHT OF PORTAL RING = 60 LBS. (COMPUTED)

RIVERSIDE CEMENT CO. #G-4501. \$574.31 - <sup>DISC.</sup> 25.75

G.S. PARSONS CO. #30494. \$6.76 - 3.92

STD. OIL CO. #2849860 \$78.35

RIVERSIDE CEMENT CO. G-4600 \$574.31 - <sup>DISC.</sup> 25.75

PARSONS. #W-11904 TOTAL: 21.53

STD. OIL CO. #2-343343. \$97.37

DATE:	AMT.	MATERIAL.
FEB. 17, '54	1	PORTAL RING $\frac{3}{8}$ " STEEL PLATE.
	127	BAR#6 STEEL, 30' LONG.
	23	" #6 " 14'10" LONG.
	23	" #6 " 3' LONG, WELDED TO RING.
	538	" #8 " , FORMED TO 42" RADIUS.
	24	YARDS SAND.
FEB. 15, '54	500	SACKS CEMENT. TICKET #22774
	1	BOTTLE OXYGEN "K"
	516	GALS. DIESEL FUEL.
FEB. 25	60	YARDS SAND.
FEB. 22.	500	SACKS CEMENT. TICKET NO. 22789.
	90	YARDS SAND.
	2	#108 T BELTS.
	2	#119 T BELTS.
	5	LBS. SPIKES.
	3	LIGHT PLUGS.
	2	200 WATT BULBS.
	9	L.F. $\frac{1}{8}$ " HARDWARE CLOTH.
FEB. 24.	685	GALS. STD. DIESEL FUEL.



		DATE:	AMT.	MATERIAL.
RIVERSIDE CEMENT CO. 64675.	534.31 - <sup>Disc.</sup> 25.75	FEB. 24, '54	500	SACKS CEMENT. TICKET NO. 22786.
			66	YARDS SAND.
RIVERSIDE CEMENT CO. 64721	534.31 - <sup>Disc.</sup> 25.75	FEB. 25.	500	SACKS CEMENT. TICKET # 22805.
			60	YARDS SAND.
RIVERSIDE CEMENT CO. 6-4766	534.31 - <sup>Disc.</sup> 25.75	FEB. 26	500	SACKS CEMENT. TICKET # 22814.
			42	YARDS SAND.
STD. OIL CO. # Z-343343.	# 97.27	FEB. 24.	685	GALS. DIESEL FUEL.
		FEB 27-28:	24	YARDS SAND.
RIVERSIDE CEMENT CO. 6-4840	534.31 - <sup>Disc.</sup> 25.75	MARCH 1.	500	SACKS CEMENT. TICKET # 22823.
			30	YARDS SAND.
RENT-DALEY LOANED MATERIAL.		MARCH 3.	250	SACKS CEMENT BORROWED AT <sup>DAM.</sup>
STD. OIL CO. # Z 343411.	# 29.85		210	GALS. DIESEL FUEL.
			48	YARDS SAND.
RIVERSIDE CEMENT CO. 6-4979.	534.31 - <sup>Disc.</sup> 25.75	MARCH 4.	500	SACKS CEMENT, TICKET # 22843.
			24	YARDS SAND.
		MARCH 2.	24	YARDS SAND.



RANSOMS <sup>2</sup>U-14629.  
FOR GROUTING AT S. END.

TOTAL: \$29.88

DATE:	AMT.	MATERIAL.
MARCH 4.	23	L.F. 2" GALV. PIPE.
	15	2" GALV. COUPLINGS.
	2	1½" X 5" GALV. NIPPLES.
	2	2" X 1½" REDUCER BUSHINGS.

RETURNED TO RENT-DALEY JOB AT DAM,  
CASE CO. REMOVED BALANCE OF CA. CL,  
REBORROWED CEMENT FROM RENT-DALEY.

MARCH 8 190 SACKS CEMENT REMOVED.

70 SACKS CALCIUM CHLORIDE.

MARCH 9. 75 SACKS CEMENT FROM DAM.

" " " " "

MARCH 10. 25 SACKS CEMENT FROM DAM.

18 SACKS CEMENT RETURNED.

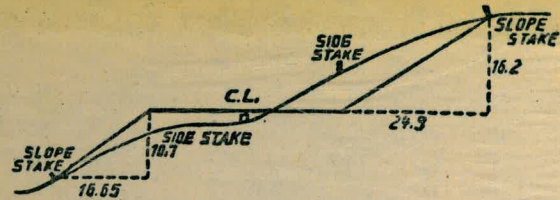


F.W. CASE Co. - EQUIPMENT.

DEC. 16, 58:

- 2 METAL WATER TANKS, 4.0' X 5.83' X 3.0'
- 85.5 L.F. 2" GALV. PIPE IN 8 SHORT PCS. AS BELOW
  - 1-21', 3-11'3", 1-10', 1-8'9",
  - 1-7', 1-5' ALL WITH UNIONS.
- 30 - 8' X 8' PANELS - PLYWOOD ON 2" X 4" FRAMES.
- 16 - 4" X 6" X 10' TIMBERS
- 2 - 4" X 6" X 9' "
- 7 - 2" X 4" VARIOUS LENGTHS.
- 5 - 2" X 10" PLANKS 10' TO 12' LONG.
- 26 - 4" X 4" TIMBERS 6' TO 8' LONG.
- 6 PCS. 4" MANIFOLD PIPE WITH VARIOUS FITTINGS.
- 23 " 1/4" STEEL RODS, 12' LONG.





**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**  
SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	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
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

THE NATIONAL BLANK BOOK COMPANY  
 HOLYOKE MASSACHUSETTS  
 NEW YORK CHICAGO BOSTON SAN FRANCISCO