TV Station Site
Mt. Pisgah

TV STATION PISGAH

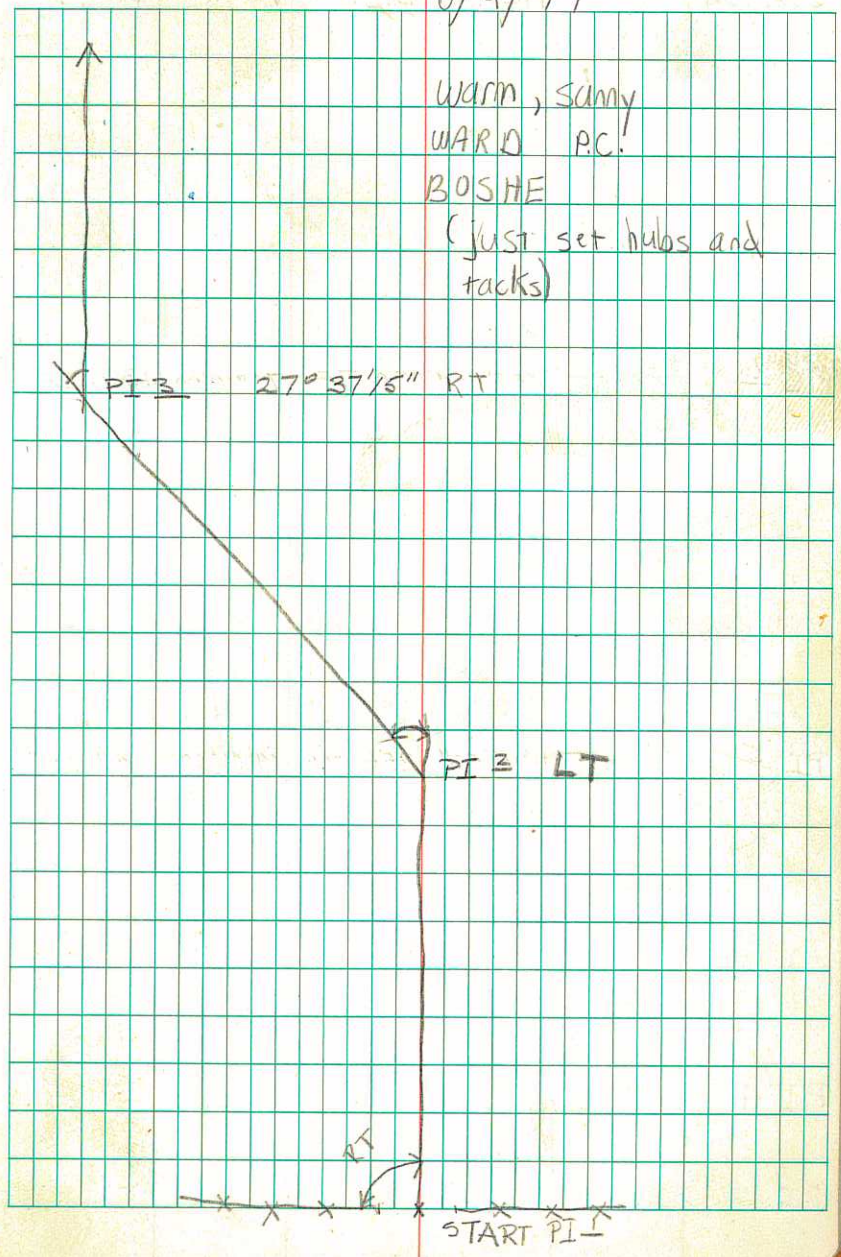
INDEX PAGE

JOB NO.	PROJECT	PAGE NUMBER
	MT. PISGAH TRANSLATOR STATION TRAVERSE	4-9
	TIE IN	10
	CLOSED TRAVERSE OF 1 ACRE LOT	13

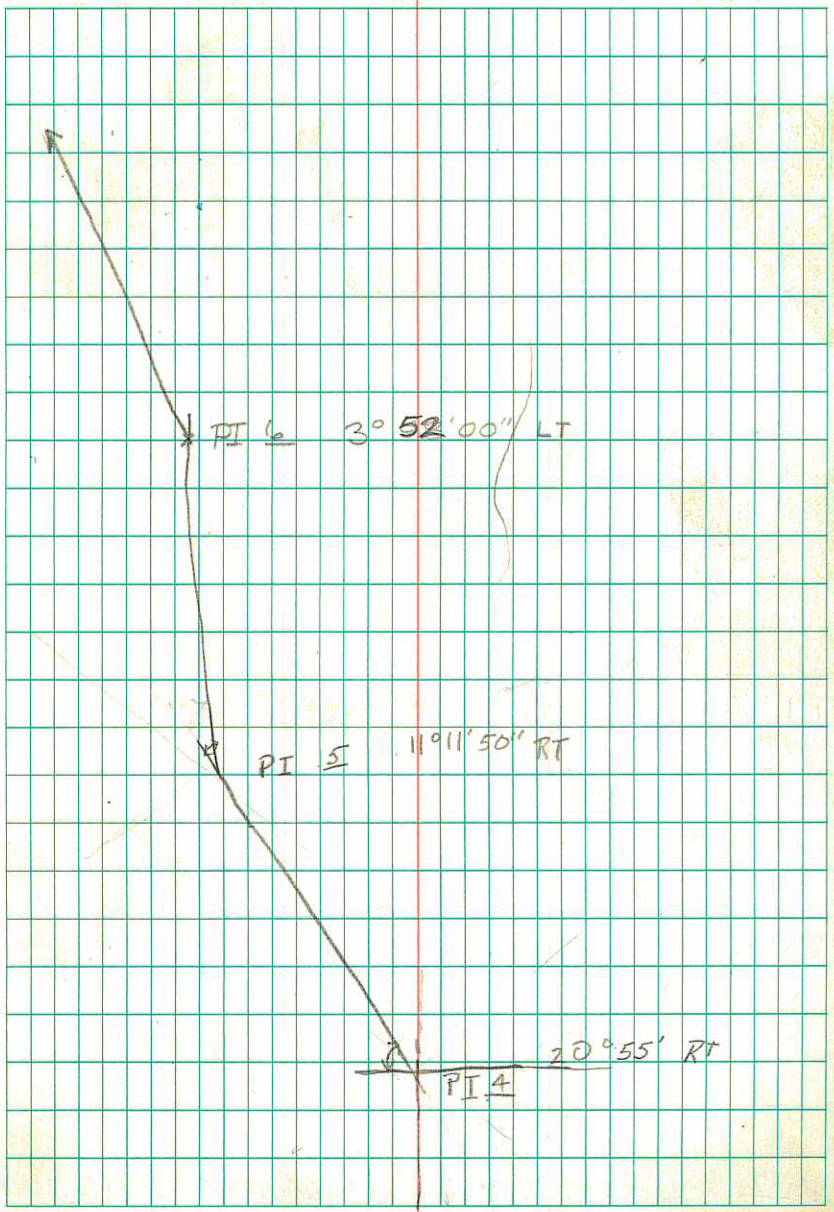
STATION		HORT	SLOPE DIST	VERT	CORRECT DIST
6/13/77	Sunny, windy				
	WARD π		P.C.		
	HUDSON ø				
	BOSHE ø				
		27°37'15"	148.35	70°03'50"	140.13
PI 3	2+88 97	~~66°31'45"~~	~~268.51~~	~~70°50'30"~~	~~253.64~~
		66°31'45"	268.51	70°50'30"	253.64
PI 2	~~2+88 97~~	~~66°31'45"~~	~~268.51~~	~~70°50'30"~~	~~253.64~~
	0+35 33	~~92°53'00"~~	~~36.53~~	~~75°15'30"~~	~~35.33~~
PI 1		92°53'00"	36.53	75°15'30"	35.33

6/9/77

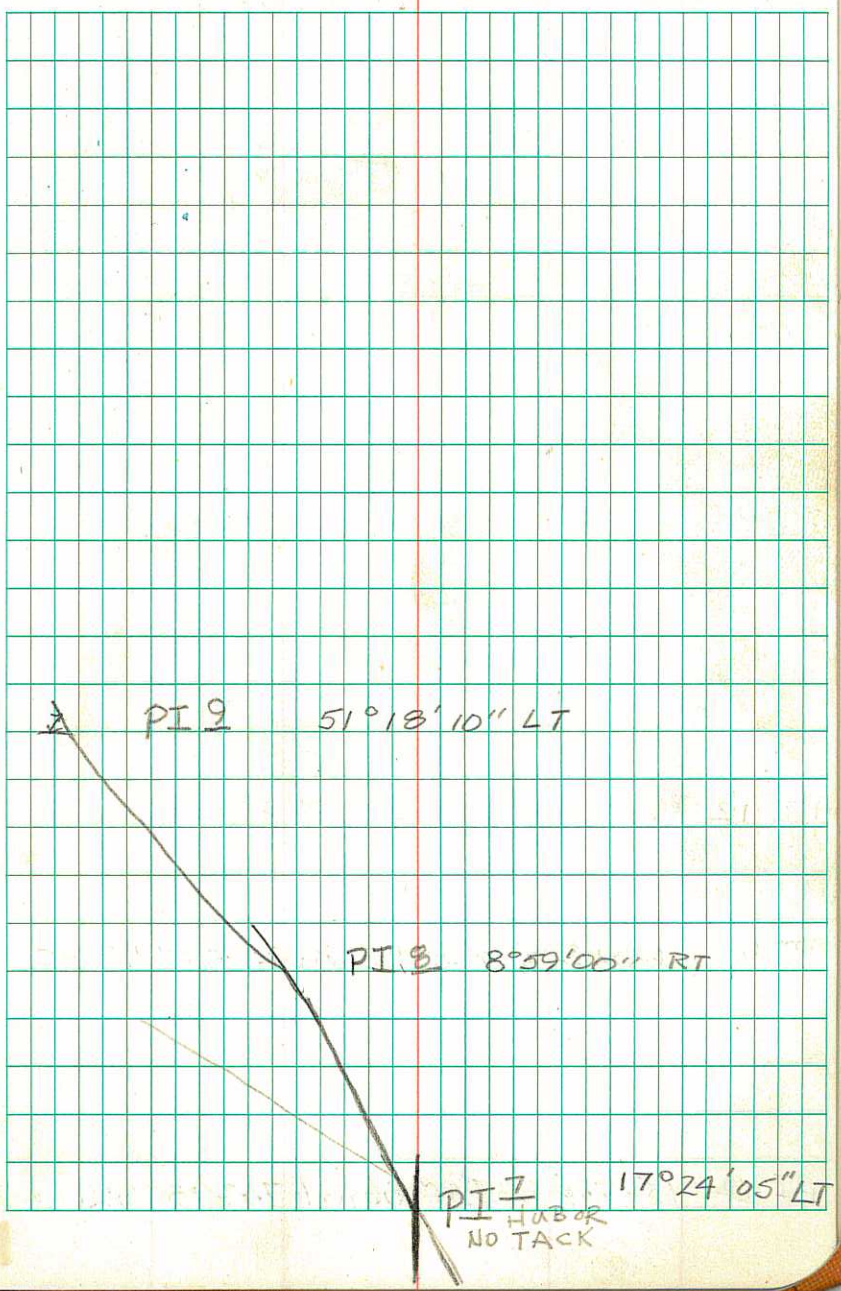
warm, sunny
WARD P.C.
BOSHE
(just set hubs and tacks)



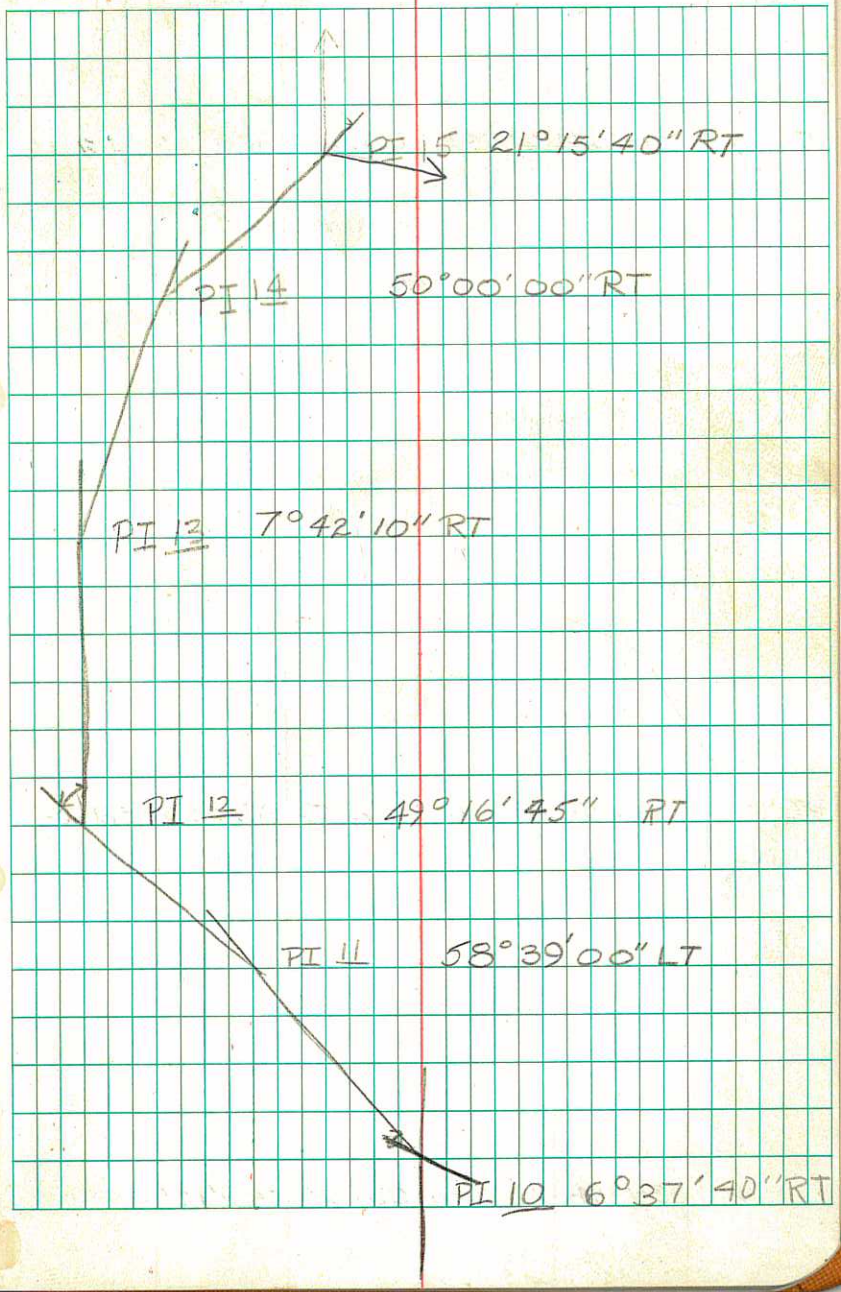
STATION		HORT.	SLOPE DIST	VERT.	CORRECT DIST.
PI 6	9+57 11	3°52'00"	134.75	75°10'00"	130.26
PI 5	7+09 42	11°11'50"	256.76	74°46'50"	247.75
PI 4	4+29 10	20°55'00"	2+97.63	70°21'50"	280.32



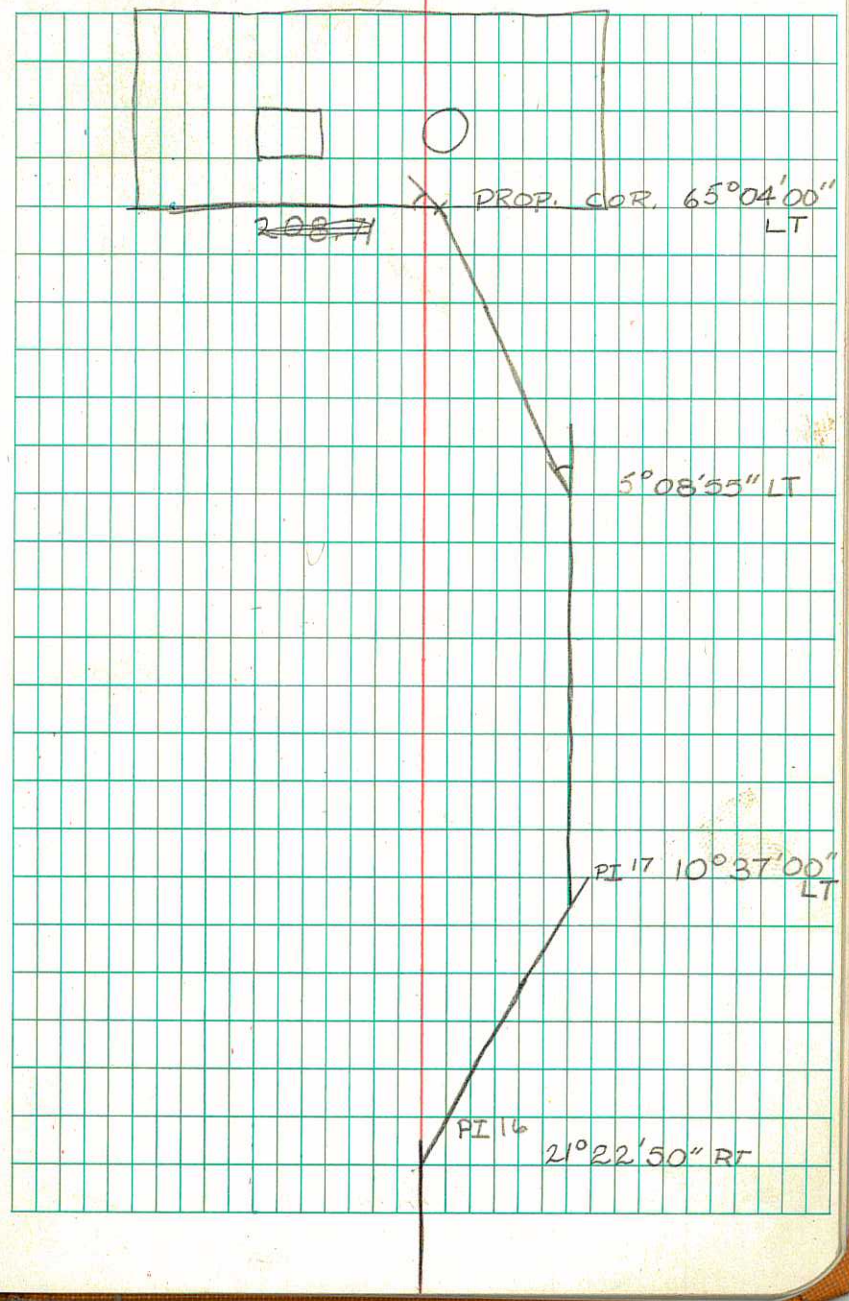
STATION		HORT	SLOPE DIST.	VERT	CORRECT DIST
PI 9	14+61 53	51°18'10"	139.64	79°38'00"	137.36
PI 8	14+03 71	8°59'00"	57.82	90°37'20"	57.82
PI 7	10+87 43	17°24'05"	325.64	76°13'55"	316.28



STATION		HORT.	SLOPE DIST.	VERT.	CORR
PI 15	32+22.26	21°15'40"	600.70	80°03'30"	591.68
PI 14	23+29.20	50°00'00"	913.47	77°39'30"	892.36
PI 13	21+63.29	7°42'10"	176.68	70°33'40"	166.61
PI 12	17+96.33	49°16'45"	392.10	69°22'20"	366.96
PI 11	16+82.43	58°39'00"	118.98	73°12'10"	113.90
PI 10	15+98.89	6°37'40"	86.67	74°32'50"	83.54



STATION		HORT	SLOPE DIST.	VERT	CORRECT DIST
PI 19	51+06.51	65°04'00"	210.43	96°18'10"	209.16
PI 18	47+85.91	5°08'55"	334.65	73°18'00"	320.54
PI 17	42+24.71	10°37'00"	566.78	82°00'00"	561.26
PI 16	38+13.94	21°22'50"	424.87	75°11'45"	410.77



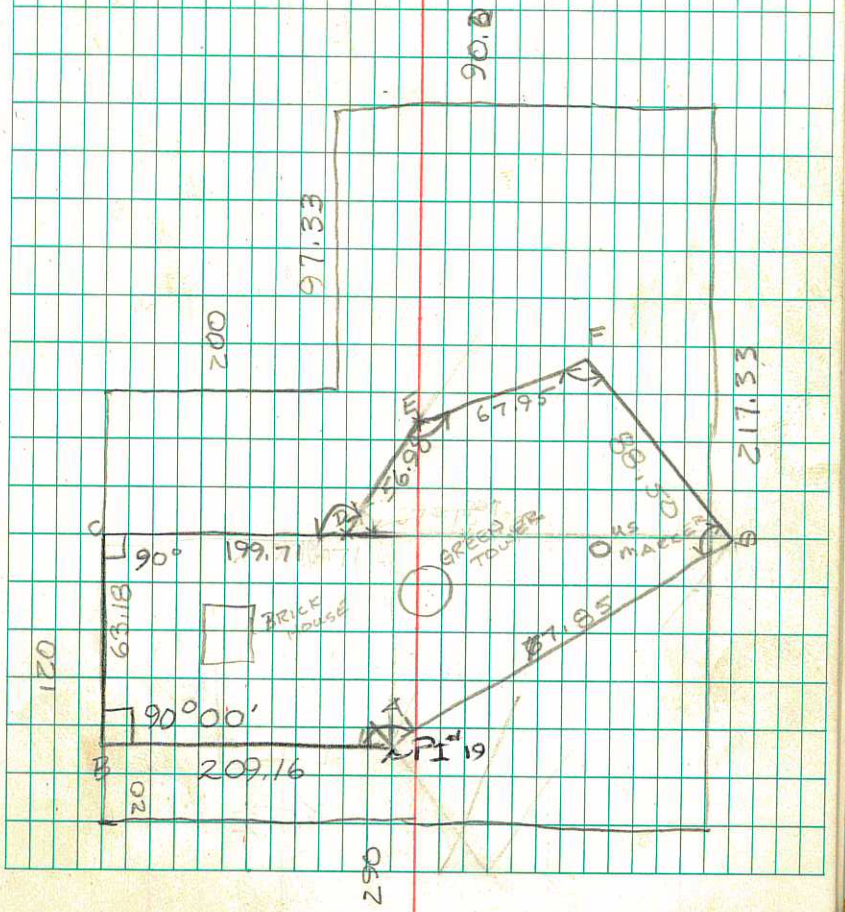
POINT	HORT ∠	DISTANCE
SET UP ON POINT A		
BACKSIGHTED ON G.		
USGS. MON.	15° 38' 00"	37.54
GREEN TOWER	58° 41' 05"	43.55
CONC. BUILDING	136° 11' 00"	72.08
A		
		77.85
G	122° 52' 55"	
		88.50
F	77° 02' 50"	
		67.95
E	120° 58' 35" LT	
		56.90
D	112° 44' 20"	
		199.71
C	90° 00' 00"	
		63.18
B	90° 00' 00"	
		209.16
A	153° 41' 00"	

9

6/15/77 SUNNY clear

WARD T P.C.
HUDSON Ø } chain
BOSHE Ø }

17
19
91.85
77.85

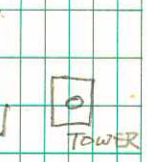


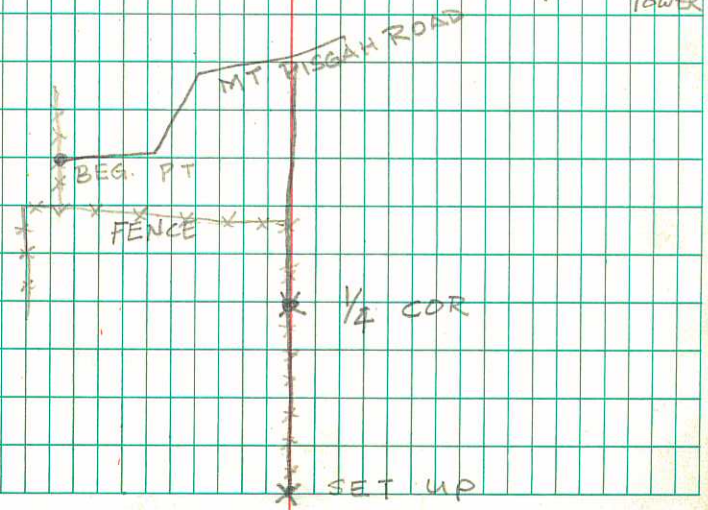
6/15/77 10

TIE TO SEC. CORNER

T WARD WARM / CLEAR
9 BOSHE
9 HUDSON

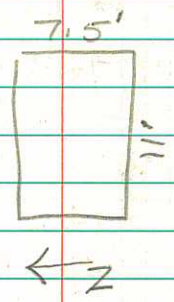
SET UP ON KNOLL SOUTH OF 1/4 STONE OF SEC. 3 AND 4 T9N R1E S.B.M. , SET UP ON N/S FENCE LINE AND SITED DOWN FENCE, COULDN'T GET A DISTANCE, MOVED DOWN TO THE 1/4 CORNER SEE NEXT PAGE





BUILDING SIZE

10' HIGH



281°02'50"

SET UP ON 1/4 CORNER FOUND AND BACKSITED ON N/S FENCE

TURNED 5°43'50" LT TO PI #5

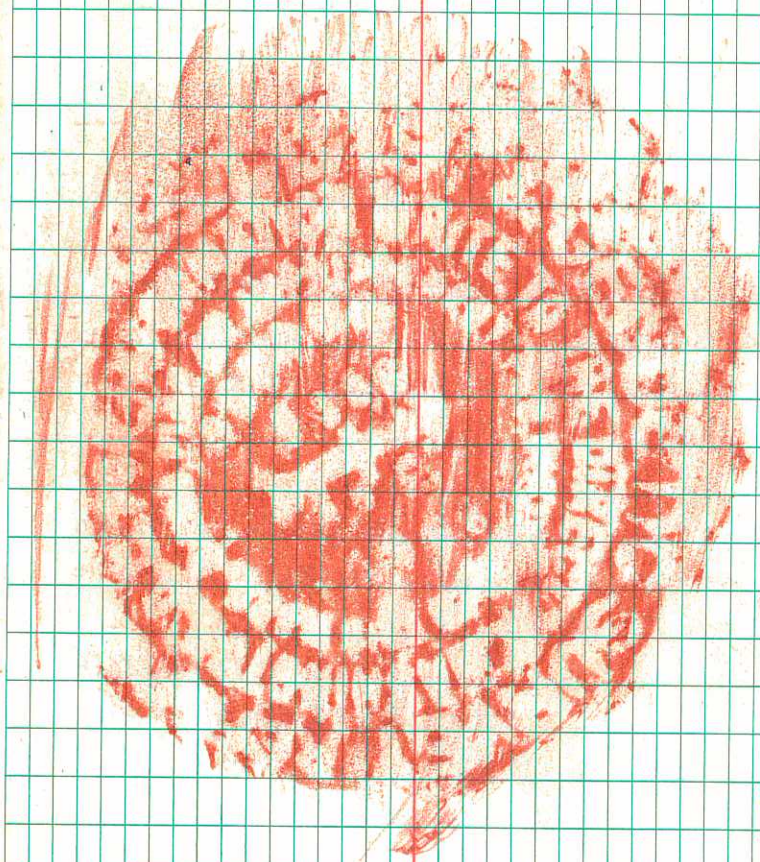
STA. 7+09.42 SLOPE ∧ DISTANCE 1446.80 VERT. ∧ 81°31'20"

MOVED ROD UP TO PI #6 TURNED

4°12'50" RT VERT. ∧ 78°57'10"

FOR SLOPE ∧ DISTANCE OF 1445.93

MARKER ON TOP OF PISGAH



22.78

POINT	BEARING	Δ HORIZ	SLOPE DIST	VERT ANGLE	HORIZ DIST.
				.92	

SET UP ON OLD POINT B (SEE PAGE 6)
BACKSIGHT ON OLD POINT C PLUNGED AND EXTENDED OLD LINE BC 20' HORIZ. TO NEW POINT A

A					20'

SET UP ON OLD PT C BACKSIGHT TO A AND PLUNGED TO EXTEND LINE BC 36.82 FT HORIZ. TO NEW PT B.

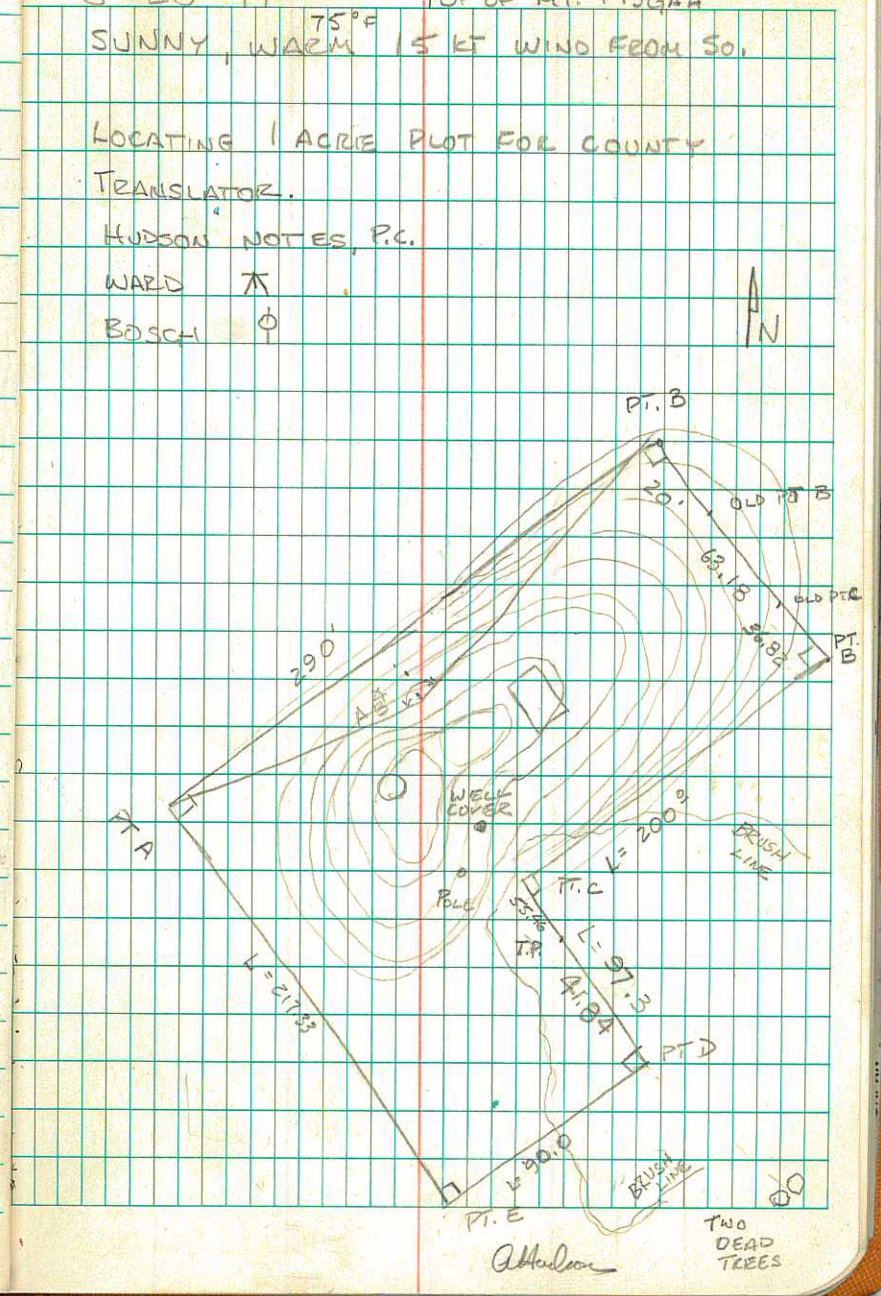
A			37.10	25°42'30"	36.82
B		90°	201.64	82°40'40"	200
C	PT C IS IN BRUSH 25' FROM POLE 36' FROM WELL COVER				
TEMP T.P.			57.38	104°52'	55.46
D		180°	45.48	24°17'22"	41.89
D	IS IN HEAVY BRUSH, ON EAST SLOPE				
E		90°12'	90.1	86°30'	90.00
TEMP TP			101.38	79°27'20"	99.67
A			118.00	94°41'	117.66
A			92.43	108°39'40"	87.57
B		152°04'15"	211.89	98°50'	209.38

x = Slope distances
cos Δ

13

6-20-77 TOP OF MT. PISGAH
75°F
SUNNY, WARM 15 KT WIND FROM So.

LOCATING 1 ACRE PLOT FOR COUNTY TRANSLATOR.
HUDSON NOTES, P.C.
WARD
BOSCH



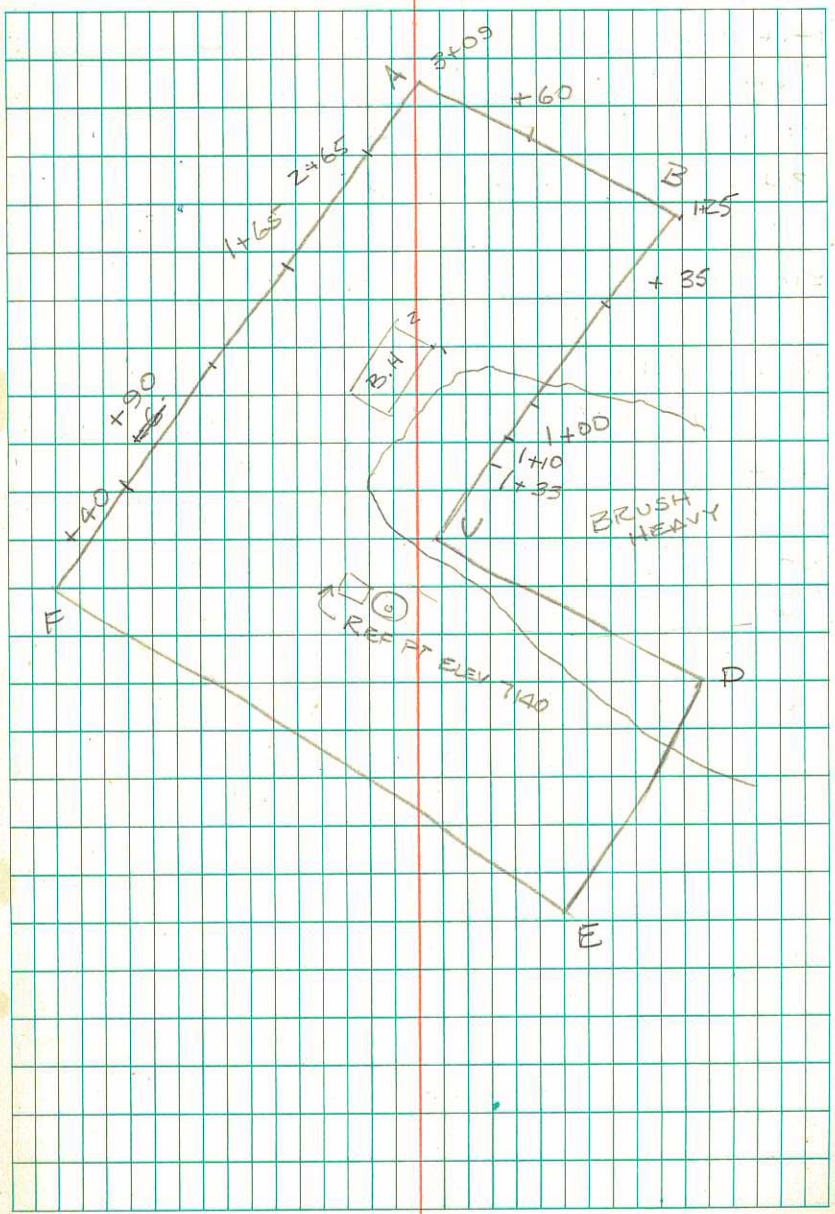
15 SEPT 77 MT PISGAH ELEVATION

HUDSON COOL, CLEAR

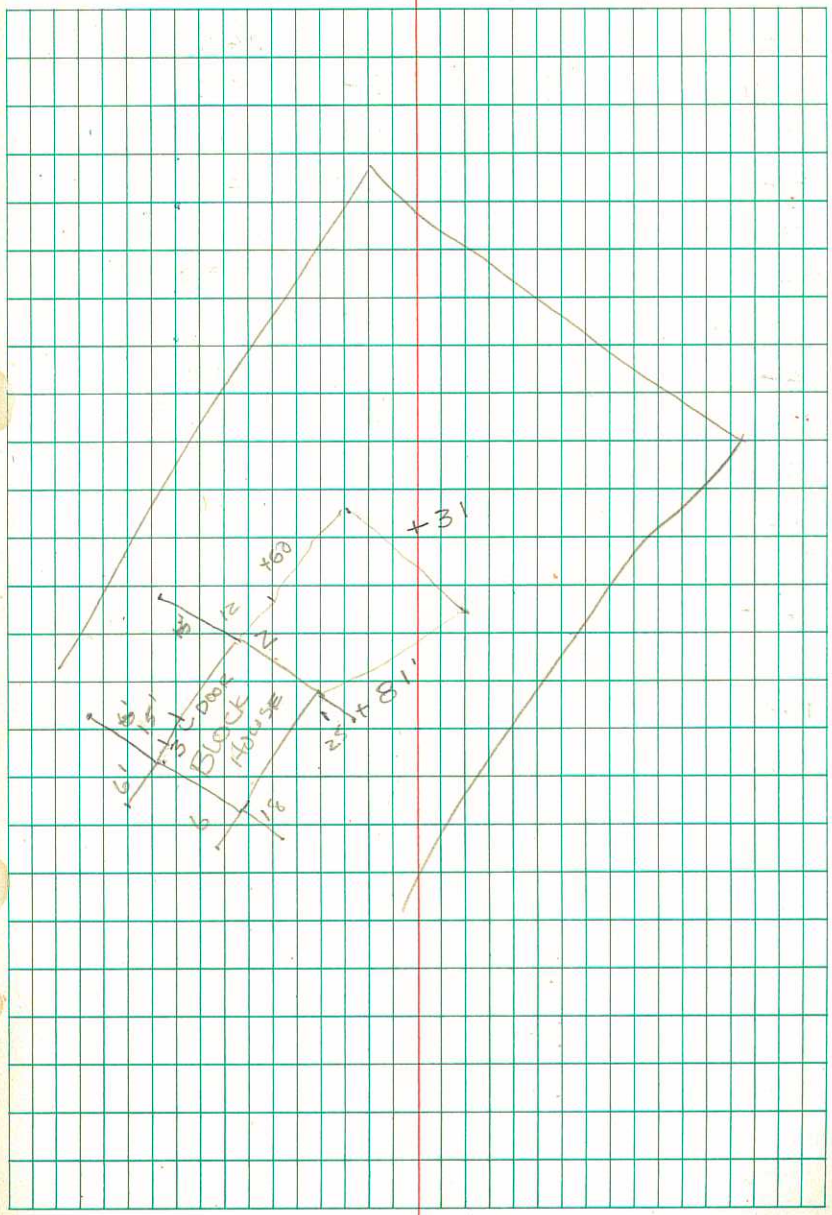
WARD

RAN ELEVATIONS AROUND BOUNDARY, BUILDINGS AND LEVEL AREAS

STATION	BS	HI	FS	ELEV
R. PT.	0^{3}	7140.3		7140.0
T P	0^{8}	26.1	15^{0}	25.3
~~TP PT F~~	10^{5}	23.0	13^{6}	12.5
PT F			14^{0}	7109.0
+40	14^{6}	7136.6	1^{0}	22.0
~~+90 +80~~	0^{6}	33.2	4^{0}	7132.6
	~~0^{6}~~		~~0^{6}~~	
1+65	4^{6}	25.7	12^{1}	21.1
2+65	1^{7}	18.5	8^{2}	16.8
PT A			13^{1}	7105.4
+60	1^{2}	17.0	2^{5}	16.0
PT B			12^{6}	04.4
+35	8^{9}	16.6	9^{3}	07.7
1+00			8^{4}	08.2
1+10			9^{8}	06.8
1+33			8^{0}	08.6
T P	15^{0}	29.4	2^{3}	14.4
BH 1	5^{4}	33.8	1^{0}	28.4

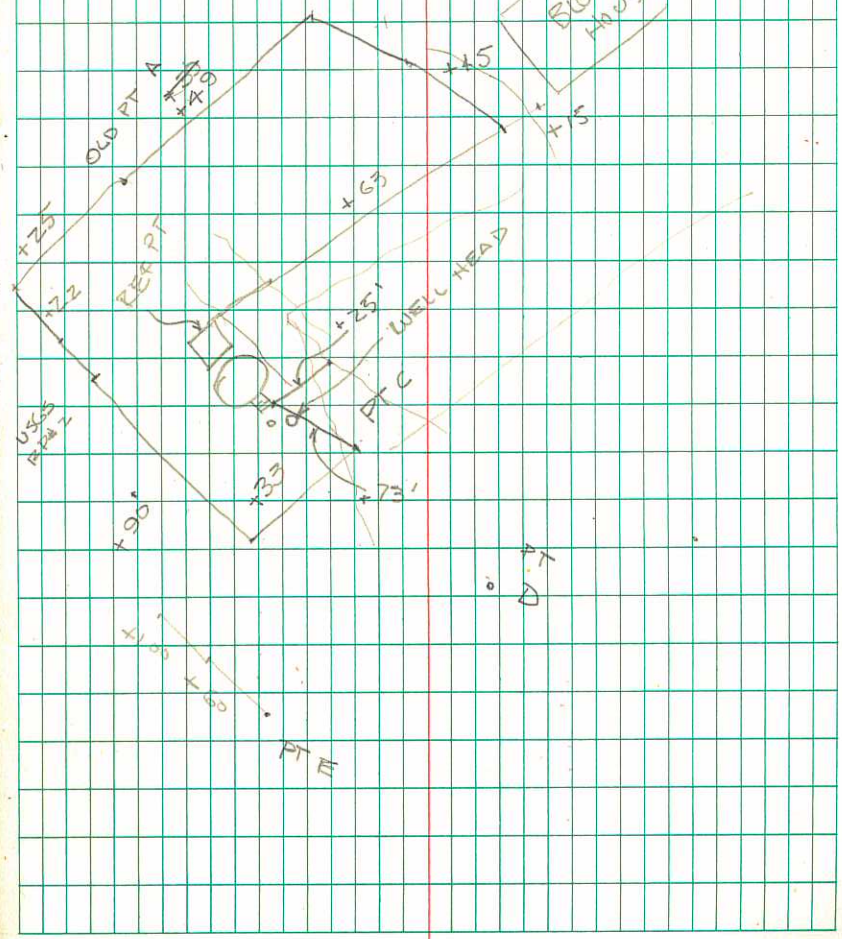


STAT	BS	HI	FS	
BH, + 81			7 5	26.3
+11Z			6 5	27.3
+ 17Z			4 1	29.7
BH 2	6 1	34.8	5 1	28.7
90° 12'			7 1	27.7
BH 3			5 8	29.0
90 BH 3 15' W			6 1	28.7
90 BH3 6 S	4 4	34.2	5 0	29.8
90 BH4.5			4 8	29.4
BH4			5 4	28.8
90 BH4 E 18'			7 1	27.1
BH 1			5 1	28.5
90 E BH, 18' 25'			8 2	25.5
REF PT	Z 8			7140

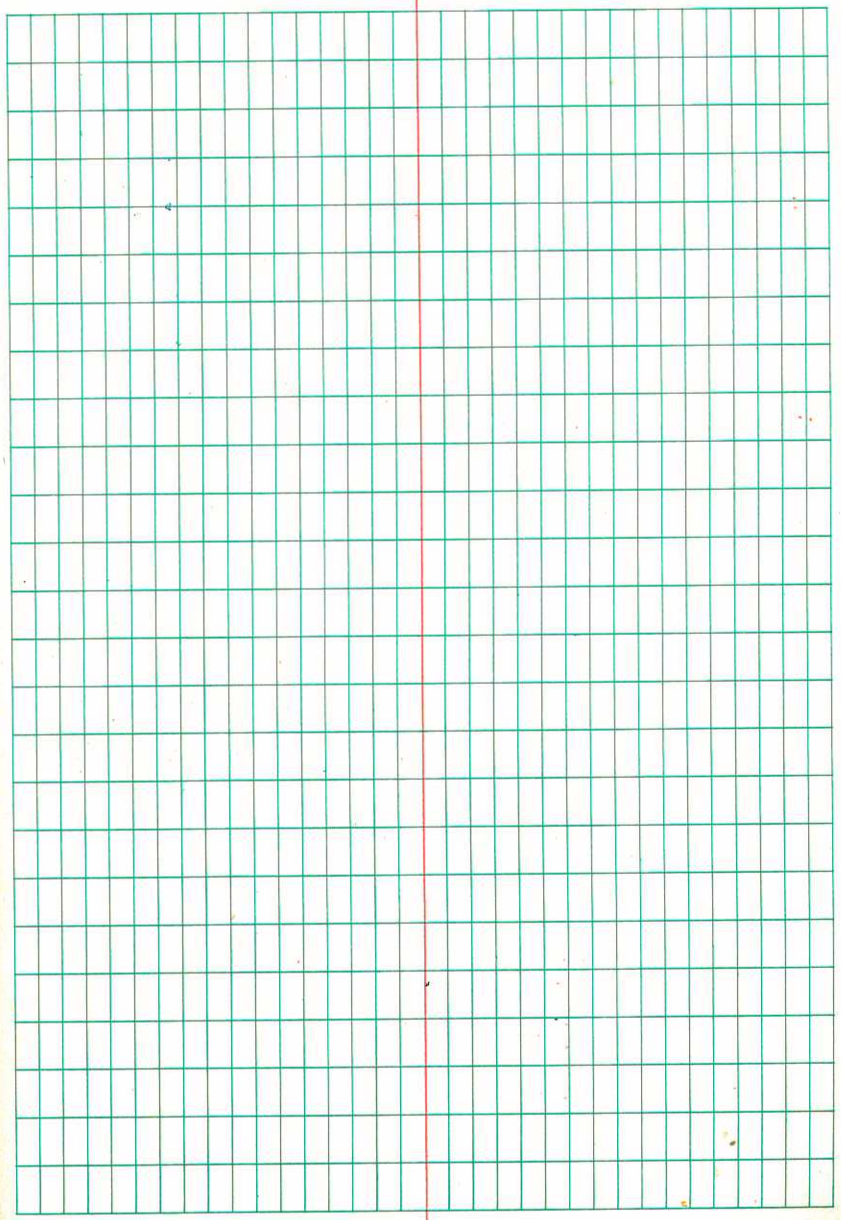


	BS	HI	FS	ELEV
REF PT	2.8	7142.8		7140.0
+30			7.0	35.8
+63			10.8	32.0
+45			14.3	28.5
OLD PT A			6.3	36.5
PT A +10			10.0	32.8
USGS R.PT. #2			8.3	34.5
~~PT C~~ +90			11.0	31.8
PT C			13.7	29.1
+73 TO STEPS OF CLOUDSEED.			4.2	38.6
+25 FROM STEPS OF CLOUDSEED			6.0	35.9
REF PT	1.0	41.0	2.8	40.0
~~TP~~	~~1.0~~		~~1.0~~	
TP	1.8	34.3	8.5	32.5
TP	0.6	20.40	14.5	19.8
PT E			19.5	.9
+60 TOWARD PT E			2.2	18.2
+100 TOWARD PT E			1.2	19.2
TP	2.6	10.30	12.7	7.10

REF PT ON TOP OF ANCHOR BOLT SLAB & UNDER CREAM COLORED BOX



	BS	HI	FS	ELEV
PT D			14 ±	7096.1



DIARY.

OCT. 5, 1977

MEET 3 UNIVERSITY MEN AND SHERWOOD HERSHI AND 1 OF HIS MEN AT THE STATE MAINTAINANCE SHED AT 1:00. DROVE UP TO THE TOP OF PISGAH. MARKED POWER LINES USU MEN SHOWED LOCATIONS OF LINE WITH PAINT I PUT IN RED STAKES. CONTRACTOR PLANS ON GETTING A DOZER FOR FRIDAY THE 7th HE WILL LET US KNOW BY PHONE THURS. USU MEN BEGAN TAKING APART THE CLOUD SEEDER LEFT SITE AT 3:00 pm. USU MEN STILL WORKING.

Preston B. Ward

OCT. 10, 1977

D8 CAT. CLEARED AREA OF BRUSH FOR FENCING AND FIXED UPPER PART OF ROAD WHERE THERE WAS A STEEP SIDE GRADE.

CLEARED OFF AREA FOR BUILDING AND AREA FOR WORKING WITH FORMS ETC. BROUGHT UP 2X4's AND OTHER WOOD FOR FORMS ALSO WIRE MESH.

TOTAL EXTRA WORK ON ROADWAY WAS 1 hr. @ $65.00 PER HR.

D 8 CAT
PICK-UP
2 MEN
1 CAT. OPER.

Peter B. Wall

OCT. 17, 1977

BEGAN FOOTING AND FLOOR WORK
GOT FOOTING FORMS UP. HAD 4 2X10X16
LEFT UNUSED USED APROX. 10 2X10X16
FOR FORMS USED 2X6'S AROUND TOP
TO MAKE WALL INDENTATION.
BROUGHT REBAR AND MAT. FOR FORMS
1 PICK-UP
3 MEN.

A PHOTOGRAPHER FOR HERALD
JOURNAL STOPPED BY AND TOOK A
FEW PICTURES, AND ASKED QUESTIONS ABOUT
THE PROJECT.

Preston B. Ward

OCT. 12, 1977

SPENT THE DAY TYING STEEL FOR WALLS.

COULDN'T GET TRACKED LOADER TODAY. HAULED SUPPLIES UP IN TRUCKS AND WORKED ON FORMS.

2 MEN
PICK-UP

Preston Wash

Oct. 13, 1977

CAT LOADER ARRIVED AT ABOUT 9:15.

FOUND A MISTAKE IN DEMINSIONING OF BUILDING SET FOUNDATION AT 20'8" X 16'8 1/4" TORE FOOTING FORMS APART AND REBUILT THEM. TO CORRECT DEMINSIONS. TOOK 45 MINS. TO CORRECT FOOTING FORMS. TOOK A TOTAL OF 55 MIN. TO DRIVE LOADER UP. DECIDED NOT TO USE LOADER FOR CONC. SHERWOOD HURSHI CAME UP AND SAID HE WOULD ARRANGE FOR A HELOCOPTER. WHILE ~~BACKHO~~ LOADER WAS DIGGING HE BROKE A CABLE OF U.S.U.'s IT WAS APPROX 5'-6' AWAY FROM WHERE USU MEN HAD MARKED, THE CABLE'S LOCATION. SHERWOOD COULDN'T GET A HELI. TILL MONDAY (OCT. 17,) NO WORK FRIDAY OCT 14.

Preston B. Ward

OCT. 17, 1977

FENCE MEN CAME UP OVER WEEK END AND PLACED ALL FENCE POST. I FOUND SEVERAL MISTAKES. #1 THEY MISSED A PT.



ALSO THEY DIDN'T GET INSIDE THE FENCE THE USUA. RECIEVING ANTENNA. HELICOPTER ARRIVED BEGAN TO HAUL UP CONC. WORKED ALLDAY ON FLOOR AND FOOTINGS POURING CONC.

TALKED TO GLEN ON 2-WAY ABOUT FENCE. HE SAID TO LET MISSED PT. GO SINCE THE GROUND WAS UNUSABLE ANY WAY. POURED ALL FLOOR AND FINISHED IT OFF. COVERED IT WITH PLASTIC..

Peter E. Wu

OCT. 18, 1977

TOOK OFF FORMS ON FLOOR AND FOOTINGS. BEGAN TO BUILD WALL AND ROOF FORMS. USED POWER FROM STATE SHED OUTSIDE PLUG. TRIED TO CALL STATE MEN TO CHECK ABOUT PERMISSION COULDN'T GET ANYONE. TOLD SHERWOOD ABOUT FENCE.

SPENT ALL THE REST OF THE DAY BUILDING WALL FORMS.

Preston B. Wendt

OCT. 19. 1977

BUILT ROOF FORMS AND BEGAN TO LEVEL FORMS AND PUT IN PIPE ETC. FOR WALLS AND ROOF.

TO LEVEL UP FORMS SAND WAS PLACED ON GROUND AND SMOOTHED AROUND UNTIL IT WAS LEVEL.

TOLD SHERWOOD ABOUT EXTRA ANCHORS NEEDED. ALSO ABOUT REDUCTION OF FENCE.

HERSHEL IS GOING TO USE LIGHT WEIGHT AGGREATE FOR CONCRETE. CONC. TO BE DELIVERED AT 8:00 AM TOMORROW.

GOT ALL THE FORMS BUILT AND CUT OUTS FOR WIRING ETC.

Preston B. Ward

Oct. 20, 1977

No conc. today. Leveled up forms put sand in bottom. Raining.
Called Sherwood about possibility of using plywood for bottom instead of sand. Sand is awkward to use and not solid for conc. Architect came up and Sherwood. They decided to use plywood ~~to set~~ for bottoms. Pour conc. on Monday now. Left early because of rain.

Preston B. Wood

OCT. 21, 1977

PUT IN ALL THE REST OF THE FORMS TIED STEEL AND PLACED IN FORMS POUR CONC. ON MON..

Preston B. Ward

OCT. 24, 1977

CHECKED FORMS AND STEEL PLACEMENT PUT IN LIFTING BRACKETS AND ORDERED CONC.

OCT. 27, 1977

MEASURED #3 POST FROM WEST ON NORTH LINE POST HI WAS 7'9¾"
DEPTH IN CONC. 1'6"

SENT LETTER TO SHERWOOD ABOUT FENCE PROBLEMS. TOOK THE LETTER TO HIM MYSELF. HE SAID HE WOULD MAIL IT TO FENCE CONTRACTOR.

Preston B. Ward

SHERWOOD
GLEN
PRESTON
} WENT TO LOOK AT FENCE.

Nov. 1, 1977

HELICOPTER ARRIVED AND BEGAN TO HAUL UP WALL PANALS. GOT ALL WALL PANAL UP AND SET EXCEPT 1 WHICH BROKE. TRIED TO SET ROOF BUT FOUND IT WAS TO WINDY. HAUL UP ALL ROOF PANALS AND LEFT SITE.

Preston B Ward

Nov. 3, 1977

GOT BACKHOE up. SET BROKEN PANAL AND USED 2X4's TO SUPPORT IN PLACE. SET ALL ROOF PANALS.

Preston Ward

WINDY CLOUDY cold NOV. 4, 1977

BEGAN TO ~~PUT~~ DIG HOLES FOR ANTENNA.

~~[redacted]~~ PUT IN AN EXTRA BAR OF STEEL ON TOP OF BUILDING WELDED BAR TO I BEAM AND ROOF PANALS A BID PRICE OF $85.00 WAS GIVEN TO DO THE WORK BY WESTERN ORNAMENTAL IRON COMPANY (MARK MURRY).

GROUTED TOP AND PUT ON ASPHALT SEAL.

Preston B. Ward

WINDY CLOUDY COLD NOV. 5, 1977

PUT ON ANOTHER COAT OF ASPHALT SEAL. FORMED UP BROKEN PANAL AND [redacted] PLACED CONCRETE MIX (SAKRETE 4000 WAS USED) CONTINUED TO DIG HOLES FOR ANTENNA.

LEFT SITE AT 2:45.

Trustee B Ward

Nov. 8, 1977

CLEAR COND.

PUT UP ANTENNA MASTS AND CHALKED ALL JOINTS ON INSIDE

ELEC. MAN CAME UP AND BEGAN TO PUT IN ELECTRIC EQUIPMENT. CHALK OUTSIDE JOINTS. (USED SONOLASTIC NP11 SEALANT)

Preston B Ward

Nov. 9, 1977

TRIED TO FIX DOOR FOUND THAT 1/4" PLATE WAS TO THICK FOR DOOR TO CLOSE. HAD WELDER COME UP AND TRY TO FIX IT. HE HAD NO LUCK. ELECT. MEN ARRIVED AT NOON. PUT IN LIGHTS AND ELECTRIC BOXES.

Preston B Ward

NOV. 10, 1977

CAME UP WITH IRV. NYMAN AND BOB CHAMBERS 2 OF SHERWOOD'S TOP MEN DISCUSSED THE DOOR PROBLEM HE SAID HE WOULD HAVE CUTTING TORCH AND WELDER UP HERE TOMORROW TO FIX THE DOOR.

ELECT. CONT. DUG OUT HIS PIPES FOR LEADS.

Preston B. Ward

NOV. 11, 1977

BOYD HUMPHREYS CAME UP WITH US TODAY. UTAH POWER & LIGHT TURNED OFF ELECT. AT 9:30. GOT EVERYTHING READY TO HAVE POWER TURNED BACK ON.

. . WORKED ON DOOR. IT LOOKS KIND OF BAD NOW THE ARE HOLES IN THE DOOR WHERE THE 1/4" SHEET METAL WAS CUT OFF. I'LL HAVE TO WATCH TO SEE THAT THE DOOR IS FIXED.

Couldn't get door fixed had to take it down. got all electric in missing only 1 outlet & cover and 2 ceiling outlet covers.

Preston B. Ward

Cold, windy. Nov. 15, 1977

4 fencing men came up and began to fix the fence. Glen Richardson came up with me. We talked to fence foreman and told him what we wanted. they put up the fence according to the agreement made. they recemented the posts that were loose and put on Banded wire arms. it will take them at least 1 more day.

Preston B. Ward

Nov. 16, 1977

FENCE MEN GOT UP TO SITE AT 9:45. FENCE MEN FINISHED THE FENCING TODAY. MADE AN INSPECTION. IT LOOKS GOOD.

Preston B. Ward

CLOUDY WINDY DEC. 13, 1977

SLIGHTLY SNOWING.

RODE UP WITH BOYD HUMPHREYS MARK BERRY (ELECT.) AND ONE OTHER UNIVERSITY MAN. INSTALLED THE RECIEVING ANTENNA AND MADE A FENCE INSPECTION AGAIN. TOTAL LINE POLES: 89. TOTAL CORNER POSTS 9. TOTAL BRACES 14.

Preston B. Ward

sherwood hirschi construction inc.
25 east 2600 north, logan, utah 84321
phone (801) 753-1420

7 December 1977

Cache County Commission
M. Ted Karren, Chairman
160 North Main
Logan, Utah 84321

Attn: Mr. G. L. Richardson

Subject: Payment Request No. 2
TV Translator Project
Mt. Pisgah

Gentlemen:

Second payment request on subject contrac including all extras but excluding payment for fence and final roo coating.

Amount of Contract		$33,990.00
Excluding fence		7,819.00
Excluding roof coating		200.00
		$25,971.00

EXTRAS

#1 One hour of cat tractor time to prepare road at top of summit, this work addition to contract. 78.20

#2 Necessary welding and rebar material to tie the roof sections to the W 8 x 17 beam 97.25

#3 Furnish and installing 16 each 2" pipe sleeves for roof pin holes 92.00

#4 Furnish and install by bolting to floor, walls and ceiling, 24 ea steel angles and plates with 1/2 anchor stud bolts.

Material	$204.50
Drill rental	20.00
Labor	96.10
Paint	70.00
	390.60
	$658.05

Total earned	$26,629.05
Paid to date	$21,573.90
Total this request	$ 5,055.15

It has been our pleasure to have worked with you on this contract, and we know that under its terms we are responsible for any defects within one year, so if there are problems, please let us know.

Very truly yours,

R. E. Chambers

sherwood hirschi construction inc.
25 east 2600 north, logan, utah 84321
phone (801) 753-1420

3 November 1977

Cache County Commission
M. Ted Karren, Chairman
160 North Main Street
Logan, Utah

Subject: Payment Request No. 1
TV Translator Project
Mt. Pisgah

Gentlemen:

We request that partial payment be made on subject contract in the amount of $21,573.90. This amount arrived at as follows:

Amount of Contract		$33,990.00
Less items not completed or under discussion		
Fence	$7,819.00	
Electrical	$2,000.00	
Painting	$ 200.00	
		$10,019.00
		$23,971.00
Less 10% Retainage		2,397.10
Payment Request #1		$21,573.90

Your early attention to this request will be appreciated.

Yours truly,

Sherwood Hirschi

cc: Fred VonNiederhausern

October 27, 1977

Sherwood Hirschi Construction Inc.
2600 North Main
Logan, Utah 84321

Dear Mr. Hirschi:

As the result of our review of the fence on Mt. Pisgah this morning, we would bring the following items to your attention:

1. Height of wire mesh to be 7'
2. Length of line posts, 9' 8"
3. Length of gate posts, 10'-0"
4. Depth of holes and amount of concrete, 3'-6"
5. Twisted and barbed selvage top and bottom to be used on 7' fence.
6. U.S.U. antenna to be included within the fence.
7. Placement of fence line; Since the existing posts will have to be removed, we feel that the entire property should be fenced as closely as possible and then the entire bid price for fencing will be paid. If the fence is left where it is, a lineal ft. measurement will be made and paid by price per lineal ft. determined by the measured length in place compared to total length planned of 1002.66 feet. It is our desire to move the fence to its proper location, if possible.

We appreciate your cooperation.

Sincerely,

E. M. Richardson

CDR/mh

Return this document to subject for adjustment
GHC

sherwood hirschi construction inc.
25 east 2600 north logan, utah 84321
phone (801) 753-1420

3 January 1978

Cache County Engineer
Cache County, Utah
160 North Main
Logan, Utah 84321

Attn: Mr. G. L. Richardson

Subject: Chain Link Fence at T.V. Translator at Mt. Pisgah

Dear Glen:

In accordance with our discussion this afternoon on the final lump sum price for payment of the fence on subject project, listed below is a tabulation used to arrive at a figure of $7,219.42, which was agreed on.

The original bid was for $7,819.00 for 1002.66 lineal feet of fence as shown on the plans, or $7.80 per ft.

1.	Credit to Cache County for fence not installed	$462.20
2.	Credit for wrong length line posts, 89 ea. at $1.70 ea.	151.30
3.	Credit for wrong length corner posts, 23 at $1.10 ea.	25.30
4.	Credit for wrong length gate posts, 2 ea. at $2.47	4.94
5.	Credit for 944' of 1 foot chain link fencing at 12¢ ft.	113.28
6.	Debit for 944' of 3 strand barb wire at 6¢ ft.	$ 56.64
7.	Debit for 112 ea. extension arms at 90¢ ea.	100.80

The original price of $7,819.00 less the difference between credit and debit gives us a new adjusted lump sum of $7,219.42.

Trust that this amount meets with your approval.

Very truly yours,

R. L. Chambers

OK GLR

sherwood hirschi construction inc.
25 east 2600 north, logan utah 84321
phone (801) 753-1420

3 January 1978

Cache County Commission
160 North Main
Logan, Utah 84321

Attn: Mr. G. L. Richardson

Subject: Payment request number 3
T.V. Translator Project, Mt. Pisgah

Gentlemen:

Third payment request on subject contract in the amount of $7,219.42 is hereby made.

With this payment, which is the adjusted cost of the chain link fencing, there leaves unpaid on the contract a sum of $200.00 to cover roof coating which will be done in the spring.

Your early payment of this request will be greatly appreciated.

Very truly yours,

R. E. Chambers

O.K. G.L.R.

JAN. 17, 1978

T.V. ANTENNA ARRIVED.

① 1-4DRAS PARAPANEL
CH 61 50Ω (78-580)

② 1-4DR4S PARAPANEL
CH 61 50Ω (78-579)

③ CH 59 (78-577)

④ CH 55 (78-567)

⑤ CH 57 (78-574)

⑥ CH 61 (78-581)

⑦ CH 59 (78-576)

⑧ CH 57 (78-572)

⑨ CH 55 (78-568)

⑩ CH 59 (78-578)

⑪ CH 57 (78-571)

(12)	CH 55	78-570
(13)	CH 61	78-582
(14)	CH 55	78-569
(15)	CH 59	78-575
(16)	CH 57	78-573
(18)	CH 57	HARNESS
(19)	CH 55	HARNESS
(20)	CH 59	HARNESS
(21)	CH 61	HARNESS

STACKING HARNESS

STACKING HARNESS

STACKING HARNESS

ADIO CORPORATION

ONIC MANUFACTURERS

ANDRO, CALIFORNIA 94577 TELEPHONE (415) 351-3792

SHIP TO

CORP.

0083

- CACHE COUNTY COMMISSION TV DEPT
  C/O SETH ALLEN
- 160 N. MAIN
  LOGAN, UTAH 84321
-

NUMBER	TERMS	SHIPPED VIA
	1/2 OF 1% 10 DAYS N/30	TRUCK COLLECT I.M.L.

	UNIT PRICE	EXTENSION	TOTAL
M	975.00	1950.00	
	LESS 20%	390.00	
		1560.00	
	LESS 10%	156.00	
		1404.00	1404.00
M	1667.00	5460.00	
CH 57 x			
CH 61 xx			
478-571-78-574	LESS 40%	2184.00	
478-579-78-582		3276.00	3276.00
			4680.00
HM	150.00	150.00	150.00
			4734.00

DO NOT RETURN GOODS FOR CREDIT OR EXCHANGE WITHOUT OUR PERMISSION.

OVERDUE ACCOUNTS SUBJECT TO INTEREST CHARGE

CLAIMS OF ANY NATURE MUST BE MADE WITHIN 5 DAYS FROM RECEIPT OF GOODS.

EXTRA CONSIGNEE COPY

PRO NO. 09-58008-0

IML freight inc

D-U-N-S-00-793-9010
S-C-A-C IMLF

DATE	TO	QP	TH	BI	I/L PAYABLE	TRAILER	NON-REC	EXC CODE	COMM	C.O.D.
9/14/78	10	1			IML 15260	4771				

C/L DATE 9/14/78 C/L CODE

PIECES	DESCRIPTION AND MARKS	WEIGHT	RATE	CHARGES
4	MD CNT ANTENNAS DIRECTIONAL MD	828	1944	15260
21	CTNS SAME			
25	TTL			
	TV TECH PO 9829			COLLECT
	FOB RATED 78013 06.14 CR10			

SHIPPER NUMBER

C/L PRO. NUMBER

C/L NAME

CACHE COUNTY COMMISSION TV DEPT
C/O SETH ALLEN 160 N MAIN
LOGAN UT 84321 CHANGE
99999 DO NOT CHANGE

SCALA RADIO CORP
1970 REPLACE CLAMP
SAN LEANDRO CALIF 94577
99999 DO NOT CHANGE

JAN. 24, 1978

COLD CLEAR AM.
SNOWY LATE PM.
BOYD HUMPHREYS AND I MAN
BROUGHT UP SNOW CAT. BEGAN TO
GO UP . SNOW TO SOFT. RENTED
A SNOW CAT FROM THIKOL. MADE
TWO TRIPS UP PULLED USU's
SNOW CAT. BEHIND ONE 2ND TRIP
GOT ALL ANTENNA UP. PUT UP
ALL THE TRANSMITTING ANTENNA.
UNGRATED THE RECIEVING ANTENNA.
THE SNOW DRIFTS ARE AMAZING
IN ONE PLACE THE SNOW IS AS
HIGH AS THE FENCE, THE U.S.U.
BUILDING is ALMOST COVERED.

FEB 15, 1978

TRANSLATORS ARRIVED, PAID C.O.D. BILL BY CHECK. ARRANGED TO TAKE UP TRANS. ON FRIDAY. GOT TRACK-MASTER AND COUNTY FLATBED TO HAUL UP EQUIP.

FEB. 16- 1978

PICKED UP T.V. TODAY. TOTAL COST 318.00. INCLUDED WAS, LOOP ANTENNA. RABBIT EAR ANT. EAR PLUG. SER. NO. 525934 SOM. NO 3749 MODEL KV. 1204A.

3749	525934
SONAM NO.	SERIAL NO.

SONY® CORPORATION OF AMERICA (FOR DISTRIBUTOR)

RECORD OF SALE, AWARD OR LEASE OF TELEVISION RECEIVER
AS REQUIRED BY FEDERAL REGULATION-21 C F R SUBCHAPTER J

HHBA	KV-1204A
D.O.M	MODEL NAME

DATE

0 0 0 0	0 0 0 0 0 0
3 4 5 6	8 9 10 11 12 13
1 1 1 1	1 1 1 1 1 1
2 2 2 2	2 2 2 2 2
3 3 3	3 3 3 3 3
4 4 4	4 4 4 4 4
5 5 5 5	5 5 5 5
6 6 6 6	6 6 6 6 6
7 7 7	7 7 7 7 7
SONAM NO.	SERIAL NO

SOLD, AWARDED, LEASED BY

NAME OF TRANSFEROR *

MAILING ADDRESS

CITY STATE ZIP NO.

SOLD, AWARDED, LEASED TO

NAME OF PURCHASER **

MAILING ADDRESS

CITY STATE ZIP NO.

Unless the Transferor elects to keep the required records, these forms shoud be returned to
SONY CORPORATION OF AMERICA
47-47 VAN DAM STREET
LONG ISLAND CITY, N.Y. 11101

*Person selling, awarding or leasing a television receiver completes a separate form for each television receiver.

**Purchaser means the first person who, for value, or as an award or prize, acquires an electric product for purposes other than resale, and also includes a person who leases an electric product for purposes other than subleasing.

BX7602390262 (4)

PRINTED IN JAPAN

UNIFORM AIRBILL NON-NEGOTIABLE
Subject to Conditions of Contract on the Back of the Airbill

Carriers liability is limited per Item 3 on reverse side unless shipper requests additional declared value (subject to additional charge).

AIRBILL NUMBER

CARRIER	ORIGIN	SERIAL NUMBER
016	PHF	3071 0606

DATE MO DA YR: [illegible]

DECLARED VALUE: 40630.00

TC: [illegible]

CHGS: CX

FLIGHT/DATE: [illegible]

FLIGHT/DATE: [illegible]

CUBIC INCHES: [illegible]

ROUTING: AIRLINE ROUTING APPLIES UNLESS SHIPPER INSERTS SPECIFIC ROUTING HERE: TRUCK SIZE

AIRPORT OF DESTINATION: [illegible]

1/ SLC

VIA	TO	VIA	TO	VIA
UA				

☐ PREPAID ☒ COLLECT

Drop N

UNITED AIRLINES
P.O. Box 66100 Chicago, Illinois 60666

2/ CONSIGNEE'S ACCOUNT NO.: 994

CONSIGNEE

NAME: Cache County Community TV Dept. Beth Allan

STREET ADDRESS: 150 N. Main

CITY STATE ZIP CODE: Logan, Utah 84321

4/ SHIPPER'S ACCOUNT NO.: 999

SHIPPER

NAME: Acrodyne Industries Inc

STREET ADDRESS: 21 Commerce Drive

CITY STATE ZIP CODE: Montgomeryville, Pa 18936

3/ INSTRUCTIONS TO CARRIER: INCLUDE CUSTOMER REF. NO. & BILLING INSTRUCTIONS

SPECIAL INSTRUCTIONS: VIA AIR TO SALT LAKE CITY, THEN WYCOFF TRUCK TO LOGAN UTAH.

CARRIER	RATE	CHARGES
		A. WEIGHT CHARGES
CODE NUMBER		
PICK UP TRUCKER: Moore's Hauling		PICK UP ZONE / B. PICK-UP CHG
DELIVERY TRUCKER: Wycoff Truck		DEL ZONE / C. DELIVERY CHGS
NOTIFICATION (PERSON NOTIFIED)	BY	D. EXCESS VALUE
DATE/TIME	DISPOSITION	G. SHIPPER'S C.O.D.
RECEIVED BY CARRIER AT: ☐ SHIPPER'S DOOR ☐ CITY TERMINAL ☐ AIRPORT TERMINAL		H. C.O.D. FEE
5/ DESCRIPTION OF ORIGIN ADVANCE CHGS.		K. ORIG. ADV. CHGS.
DESCRIPTION OF DESTINATION ADVANCE CHARGES		L. DEST. ADV. CHGS.
6/ DESCRIPTION OF OTHER CHARGES		F. OTHER CHARGES
PCS/PKGS / LENGTH / WIDTH / DEPTH / CUBIC INCHES		J. SHIPPER'S RFC
DIMENSIONAL WEIGHT – LBS.		T. TAX
TARIFF AUTHORITY	ITEMS PREPAID	R. TOTAL SHIPPER PAYS $
GBL/GTR NO.	ITEMS COLLECT	S. TOTAL CONSIGNEE PAYS $

C.O.D. SHIPMENT IF AMOUNT ENTERED HERE BY SHIPPER

R.F.C. SHIPMENT IF AMOUNT ENTERED HERE BY SHIPPER

SHIPPER'S SIGNATURE: X

7/

NO. PCS.	GROSS WEIGHT	CHARGEABLE WEIGHT	DESCRIPTION OF PACKING PIECES AND CONTENTS	CARRIER COMMODITY GROUP NO.	MULTIPLE CONTAINER/COMMODITY CODE	T RATE	CHARGE
5 CTNS	1500		Electronic TV Broadcasting Equipment (100 Watt TV Translators)				361.20

CARRIER REMARKS: W/C Value 40,630.00

Val. chg 39.90

11 04 FEB 14

8/

A	WEIGHT CHARGES: 539.25	PICKUP ZONE / B	PICK UP CHARGES: 39.75	DEL. ZONE / C	DELIVERY CHARGES	K	DESCRIPTION OF ORIGIN ADVANCE CHARGES
D	EXCESS VALUE: 39.90 - 27.10	DEST. ADV. CHGS. L: 35.25	DESCRIPTION OF DEST. ADVANCE CHARGES	E	OTHER CHARGES		DESCRIPTION OF OTHER CHARGES
I	TAX: 28.32	G	SHIPPER'S C.O.D.	H	C.O.D. FEE	J	SHIPPER'S RFC

1ST RATE: ~~11.70~~ 2ND RATE: 35.95 3RD RATE

CASH COLLECT

R	SHIPPER PAYS $	ITEMS PREPAID	S	CONSIGNEE PAYS $ 674.32	ITEMS COLLECT	RECEIVED BY

IN GOOD ORDER EXCEPT AS NOTED

DATE / TIME

37

EXECUTED BY: [signature] DATE: 1/1/14

TIME	CARRIER	ORIGIN	SERIAL NUMBER
	016		3071 0606

UAC 2147 Rev. 6-76 Printed in U.S.A.

6. CONSIGNEE MEMO

Wycoff

560 South 300 West SALT LAKE CITY, UTAH 84110 Phone 322-1361

EXPRESS BILL DATE 2/14 AF 159309

FROM United Airlines
ADDRESS Aerodyne Industries
CITY Middletown Phila. PA.

TO Cache City TV Dept
ADDRESS 160 No. Main
CITY Logan

PIECES	H.M.	DESCRIPTION OF COMMODITIES	WEIGHT
5		Broadcasting Equip AIR FREIGHT C/L P.O. Collected at Airport	1500

"Unless a greater value is declared, the shipper agrees and declares that the value of the property is released to an amount not exceeding $50.00 per shipment or not exceeding $9.07 per pound, per piece, whichever is greater, the word "piece," meaning the smallest shipping package as prepared for shipment by the shipper, or if unpackaged, each saleable unit as prepared for shipment by the shipper."

VALUATION * 40,430.00

SHIPPER'S NO.

CUSTOMER'S NO.

	COLLECT	PREPAID
	CHARGES	
67432	C.O.D. Amt.	
	C.O.D. Fee	
	Other Charges	
	Excess Value	
	Freight Charges	calc
67432	TOTAL	

SHIPPER SIGNATURE
RECEIVED THE ABOVE IN GOOD CONDITION, SUBJECT TO TERMS OF TARIFF IN EFFECT

DRIVER CODE NO. 7536

PICK UP DRIVER OR AGENT

Charges Shipment Rec'd

AF 159309

RECEIVED BY CONSIGNEE IN GOOD CONDITION EXCEPT AS NOTED

X Kurt B Wo
CONSIGNEE

BY

SHOW NAME IN FULL

DELIVERING DRIVER OR AGENT 7-20/850

DRIVER AND AGENT NO. Free

DATE OF DELIVERY 2-15-78 11:00

* CLAIMS FOR SHORTAGE OR DAMAGE MUST BE FILED WITHIN 9 MONTHS AND ACCOMPANIED BY THIS EXPRESS BILL. [illegible] $50.00

Ps FORM 8420

CONSIGNEE'S COPY

FEB 17, 1978

TOOK UP TRANS.

3 THIOCOL MEN

BOYD HUMPHREYS

WOOD

MIKE BRENGER

2 COUNTY MEN

CH 2 (55)	1084	702
CH 4 (57)	1085	703
CH 5 (59)	1086	704
CH 7 (61)	1087	705

TRACK MASTER AND MEN LEFT AT 12:00 COUNTY MEN SHORTLY AFTER (5 MIN.)

GOT TRANS. IN. LEFT SITE AT 4:30pm

Preston B. Ward

FEB 17, 1978

TOOK UP TRANS.

3 THIOCOL MEN

BOYD HUMPHREYS

WOOD

MIKE BREAGER

2 COUNTY MEN

CH 2	(65)	1084	702
CH 4	(67)	1085	703
CH 5	(69)	1086	704
CH 7	(61)	1087	705

TRACK MASTER AND MEN LEFT AT 12:00 COUNTY MEN SHORTLY AFTER (5 MIN.)

GOT TRANS. IN. LEFT SITE AT 4:30pm

Preston B. Ward

24, APRIL 1978

WENT UP AND PUT ~~ON~~ ALUM. COATING ON ROOF. SNOW DAMAGE TO FENE REMAINS TO BE DONE: PUT ANTENNA CONDUIT IN GROUND. HERSHI'S MAN CALLED AND TOLD HIM OF NEED.

Preston Blanchard

7-7-93

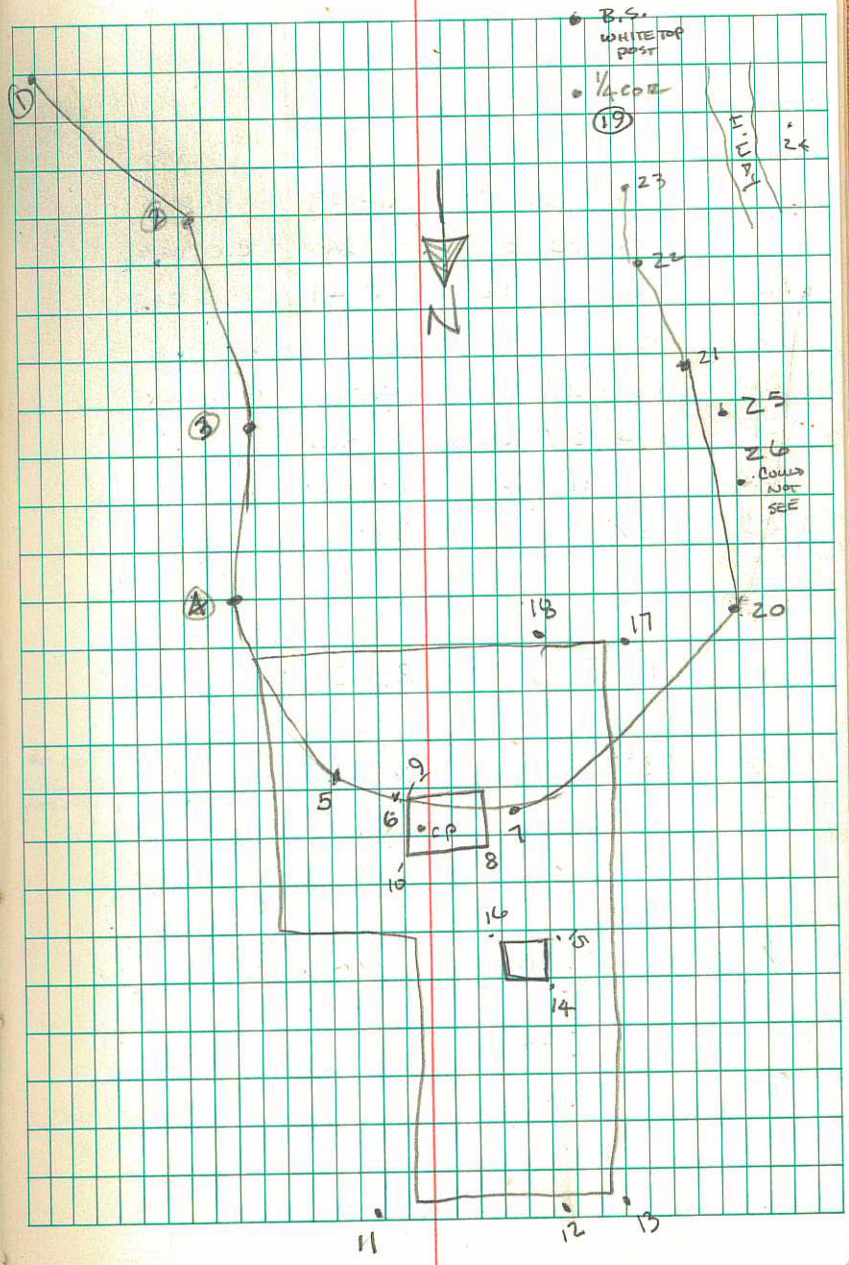
T WARD T BEECHER

P BISHOP

SET COUNTY BOUNDARY. MR. BEECHER (B.E. CO. SURVEYOR) AND MYSELF ESTABLISHED THE BOUNDARY BETWEEN THE COUNTIES AT PISGAH.

SET up INST. ON TOP OF CONC. BUILD. BACKSITED END BOUNDARY MARKER & IN INST. 0°00'00" ALL ANGLES TO RIGHT.

	HORZ ∠	DIST	NOTE
CP-1	0°00'00"	1168.21	
2	7° 11' 38"	1010.21	
3	10° 31' 31"	872.28	
4	14° 02' 27"	688.79	
5	357° 53' 14"	87.66	
6	357° 30' 46'	12.65	
7	140° 58' 53'	19.72	
8	166° 20' 44"	19.35	BLDG COR.
9	114° 17' 12"	18.12	BLDG. COR
10	12° 46' 22"	8.09'	BLDG COR.
11	272° 15' 07'	229.45	B&G CAP
12	240° 44' 20"	200.62	B&G CAP
13	229° 23' 41"	204.86	C.C. BAR
14	237° 06' 07"	67.89	BLDG



15	238° 28' 36"	59.90	BLDG
16	249° 39' 23"	63.33	BLDG
17	86° 45' 38"	99.64	C.C. BAR
18	68° 31' 12"	90.43	B⅄G CAP.
19	82° 03' 22"	3888.62	¼ COR
20	131° 27' 45"	908.49	- BOUNDARY -
21	130° 37' 58"	1928.56	- " -
22	129° 11' 46"	2152.14	
23	122° 39' 16"	2705.19	
23-¼ BACK 22	118° 57' 50"	2542.13	
23-24 BACK 22	162° 38' 07"	2619.79	PT 24 IS ON TOP OF RIDGE ON THE WEST SIDE OF THE H'WAY. (HIGHWAY CUT)
¼ COOR	N 20,000	E 30,000	

NOTE FOR BASIS OF BEARING.
D. BEECHER SET INST ON 1/4 COR.
BACKSITE IS STEEL FD NEAR RIDGE TOP TO
THE SOUTH OF 1/4 COR.

	-100- BLDG	115° 51' 04"	3888.62
/	23	159° 40' 32"	2542.13
/	21	144° 49' 07	2585.69
	25	137 22' 50"	3223.88
	26	132° 44' 10"	3313.32
/	20	127° 40' 21"	3368.30

- FAX- 734-2038

IBM7602390282 (4)

NO. OF POSTS.

BRACE	LINE	CORNER
2	.5	1
1	21	1
2	14	1
2	18	1
2	11	1
2	20	1
1		1
1		1
1		1
14	89	9

BM760239028Z (4)

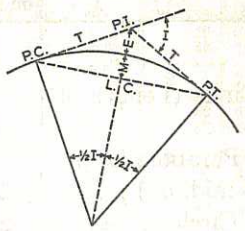
FENCE LENGTH AS PLACED

206.0
337.0
210.3
57.5
113.8

924.6

CURVE AND REDUCTION TABLES

Published by Eugene Dietzgen Co.



CURVE FORMULAS

1. Radius : $R=\frac{50}{\sin D/2}$
2. Degree of Curve: $D=100\frac{I}{L}$. Also, $\sin D/2=\frac{50}{R}$
3. Tangent : $T=R\tan \frac{1}{2} I$. Also, $T=\frac{T \text{ for } 1° \text{ curve}}{D}+C.$
4. Length of Curve: $L=100\frac{I}{D}$
5. Long Chord : $L.C.=2R\sin \frac{1}{2} I.$
6. Middle Ordinate: $M=R\,(1-\cos \frac{1}{2} I)$
7. External : $E=\frac{R}{\cos \frac{1}{2} I}-R.$ Also, $E=T\tan \frac{1}{4} I.$

$E = \frac{E}{2}$

EXPLANATION AND USE OF TABLES

Given P.I. Sta. 83+40.7, I=45° 20′ and D=6°30′ find:

Stations—P. C. = P. I. − T. $T=\frac{T \text{ for } 1° \text{ Curve}}{D}+$ C. From Tables V and VI $T=\frac{2392.8}{6.5}+.197=368.32=3+68.32$. Sta. P. C. =83+40.7−(3+68.32) =79+72.38. P. T. =P. C.+L, and $L=100\frac{I}{D}=100\frac{45.33}{6.5}=697.38$ Therefore, P. T. =(79+72.38) +(6+97.38) =86+69.76.

Offsets—Tangent offsets vary (approximately) directly with D and with the square of the distance. From Table III Tangent Offset for 100 feet =5.669 feet. Distance =80−Sta. P. C. =27.62. Hence offset $=5.66\times\left(\frac{27.62}{100}\right)^2=.432$ ft. Also, square of any distance, divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(27.62)^2\div(2\times881.95)=.432$ ft.

Deflections—Deflection angle =½ D for 100 ft., ¼ D for 50 ft., etc. For "X" ft., Deflection Angle (in minutes) =.3×X×D. For Sta. 80 of above curve Deflection Angle =.3×27.62×6.5 =53.86′. Also Deflection Angle =dfl. for 1 ft. from Table III×X =1.95 ×27.62 = 53.86′. For Sta. 181 Deflection Angle =53.86′+$\frac{6°\ 30'}{2}$ =4° 8.86′.

Externals—From Table V for 1° curve, with central angle of 45° 20′, E =479.6. Therefore, for 6° 30′ curve, E =$\frac{479.6}{6.5}$+ Correction from Table VI =7.378+.039 =7.417.

1446

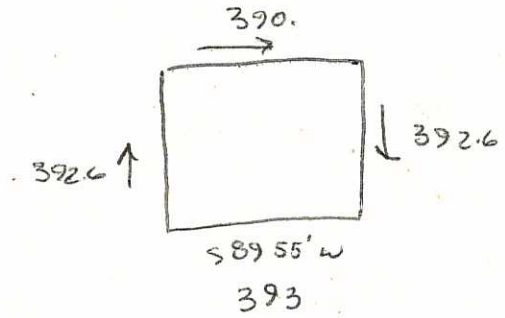
79
80
81
79
88

1445.85
1446.01
.92
.06
01

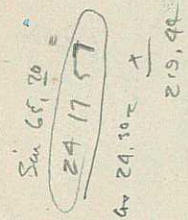
1445.93

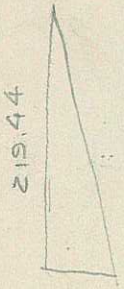
86
92
100

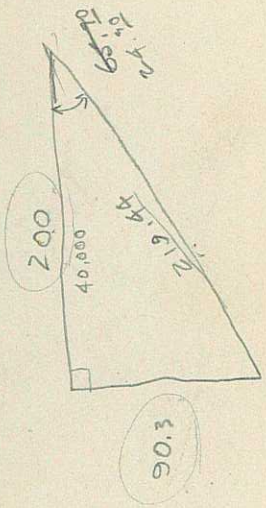
7465



229







114° 17' 57"