

BOOK 1-79 JOB NO. 1-79-001 TO 012

BOOK 1-79

JOB NO 1-79-001

TO

1-79-012

TELEDYNE

408

MINING TRANSIT BOOK

96.49
 51
 —
 49

3480.39

9204

3478.126

D = 0.00000485 SR

S = SECONDS OF ERROR

R = DISTANCE

D = CORRECTION

MISC SURVEYS 1979

INDEX

Property of CACHE COUNTY

ENGR - SURVEYOR

Address COURTHOUSE

LOGAN

Telephone 752-9744

359 59 60
 - 124 13 05
 —
 235 46 55
 179 59 40
 —
 415 05 95

179 59 40
 124 13 05
 —
 303 72 45
 304 12 45 - 15
 304 13 40 + 60
 304 13 25 + 25

KUNZLER - GOSSNER DRAIN PIPE - FIELD ROAD P2

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

KUNZLER - GOSNER DRAIN

13 APRIL 79

COOL, CLOUDY

HUDSON

JOB 1-79-001

WARD

SEE 2-77-007

RICHARDSON

2-77-012

PURPOSE WAS TO TAKE H ELEVATIONS FOR EXTENSION OF 24x36 ARCH AND INSTALLATION OF NEW 18" CMP

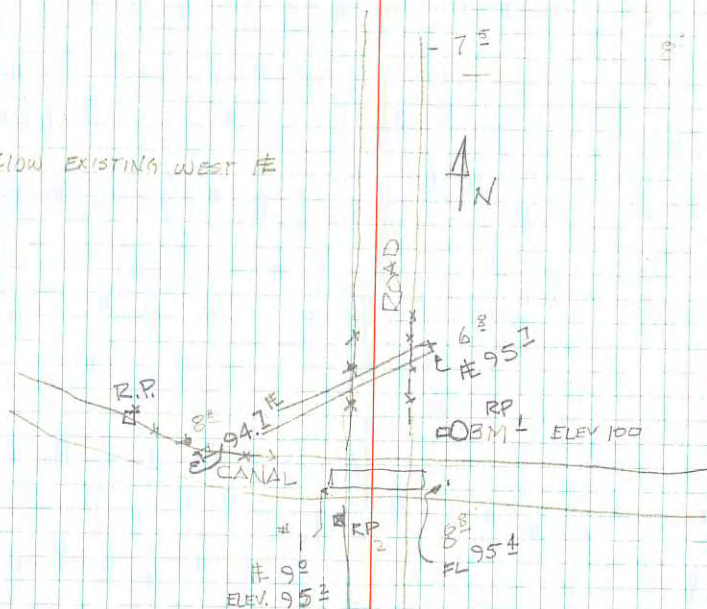
STATION	BS	HI	FS	ELEV
HUB # 2 RP			4 ⁵	99 ¹ JUST INSIDE GATE SO OF CANAL
NEW H ARCH WEST			9 ⁰	C 4 ⁵ FROM HUB # 2 TO H WEST SIDE
EXISTING H ARCH WEST			8 ⁰	
EAST END H H			8 ⁰	H OF ARCH WHEN EXTENDED C 4 ⁶
WEST +150			9 ⁴	
WEST +50			8 ⁰	
WEST END PIPE #1	4 ²		8 ⁰	
BM #1	3 ⁹⁸			100.0

2

NEW PIPE OUT LET 9⁵
 HUB # 3 4⁴
 CUT FROM HUB # 3 TO H # 5¹
 H EAST END 18" CMP
 HUB # 1
 CUT FROM HUB # 1

$\frac{8}{10}$
 $\frac{4}{15}$
 $\frac{2}{15}$
 $\frac{1}{15}$

1' BELOW EXISTING WEST H



STATION	BS	HI	FS	ELEV
---------	----	----	----	------

# EAST 18" CMP			8 ⁵	95 ⁷
-------------------	--	--	----------------	-----------------

RP ₁			4 ²	100
-----------------	--	--	----------------	-----

# 18" CMP			9 ⁵	99 ⁷
-----------	--	--	----------------	-----------------

RP ₃			4 ⁴	99 ⁷ 99 ⁸ 4 ⁻
-----------------	--	--	----------------	--

FROM RP₁ TO # EAST END 18" CMP 4²

FROM RP₃ TO # CUT 5¹

LOCATED ON # NORTH BANK OF CANAL
10' WEST OF NEW PIPE TERMINUS

SURPLUS PROPERTY OF CACHE COUNTY

17 APRIL 79 JOB 1-79-002 WARM CLEAR

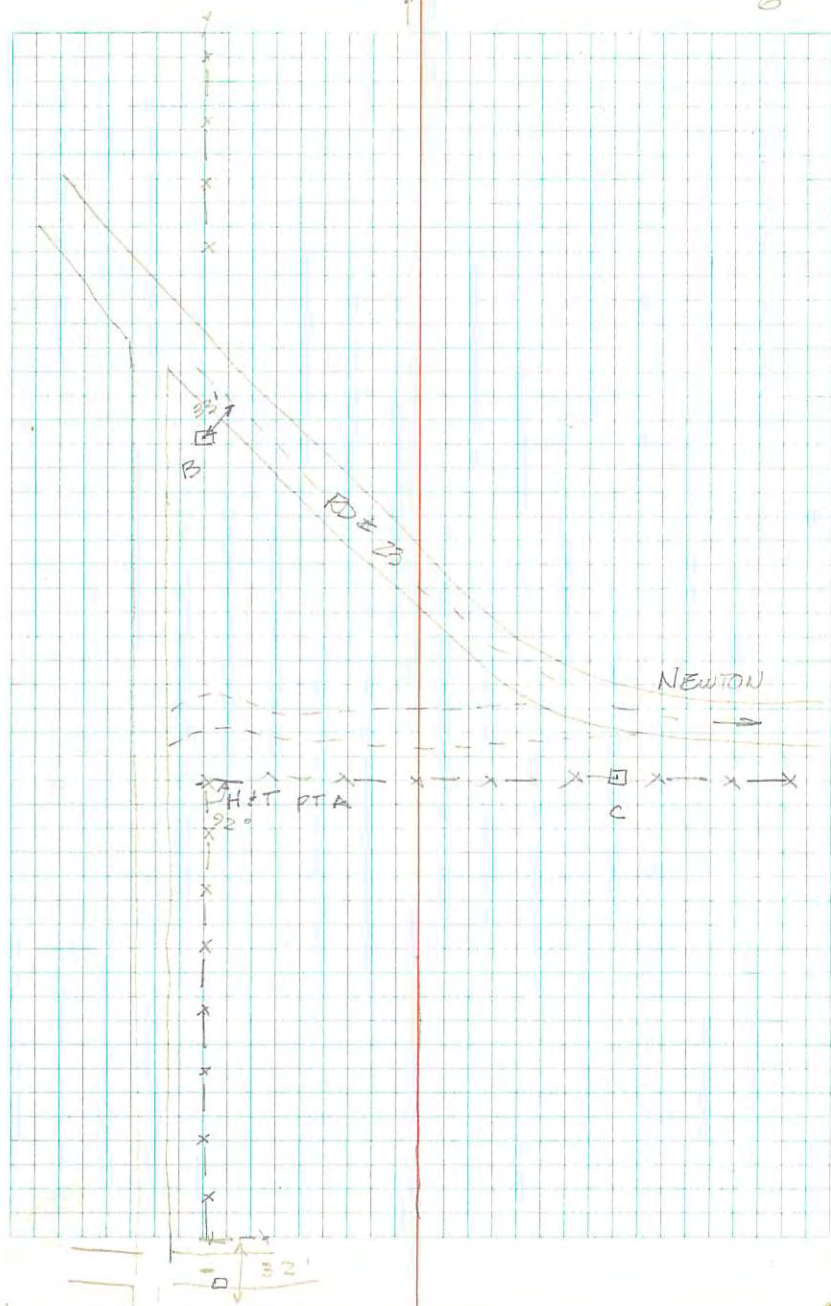
HUDSON TH45
WARD AUTORANGES

T13N R1W SEC 18.

INTERSECTION OF STATE ROAD 23 AND
N/S COUNTY ROAD WEST OF NEWTON.

SET UP ON SOUTH WEST CORNER MEASURED
416' TO EAST ON FENCE LINE, AND S
SET A POINT ON NORTH AT INTERSECTION
WITH NORTH/SOUTH FENCE LINE AND
33' STATE H.W. HALF R/W. MEASURED DISTANCES
AS SHOWN BELOW

B	46°52' L	571.11	91°43'	570.85
C	92°	416.0	90°	416.0
A	377.44	377.46	91°14'	377.37
B				
A				
D		1685.22	91°22'	1684.74
B				



SURPLUS COUNTY PROPERTY

17 APRIL 1-79-003

WARM, CLEAR

HUDSON

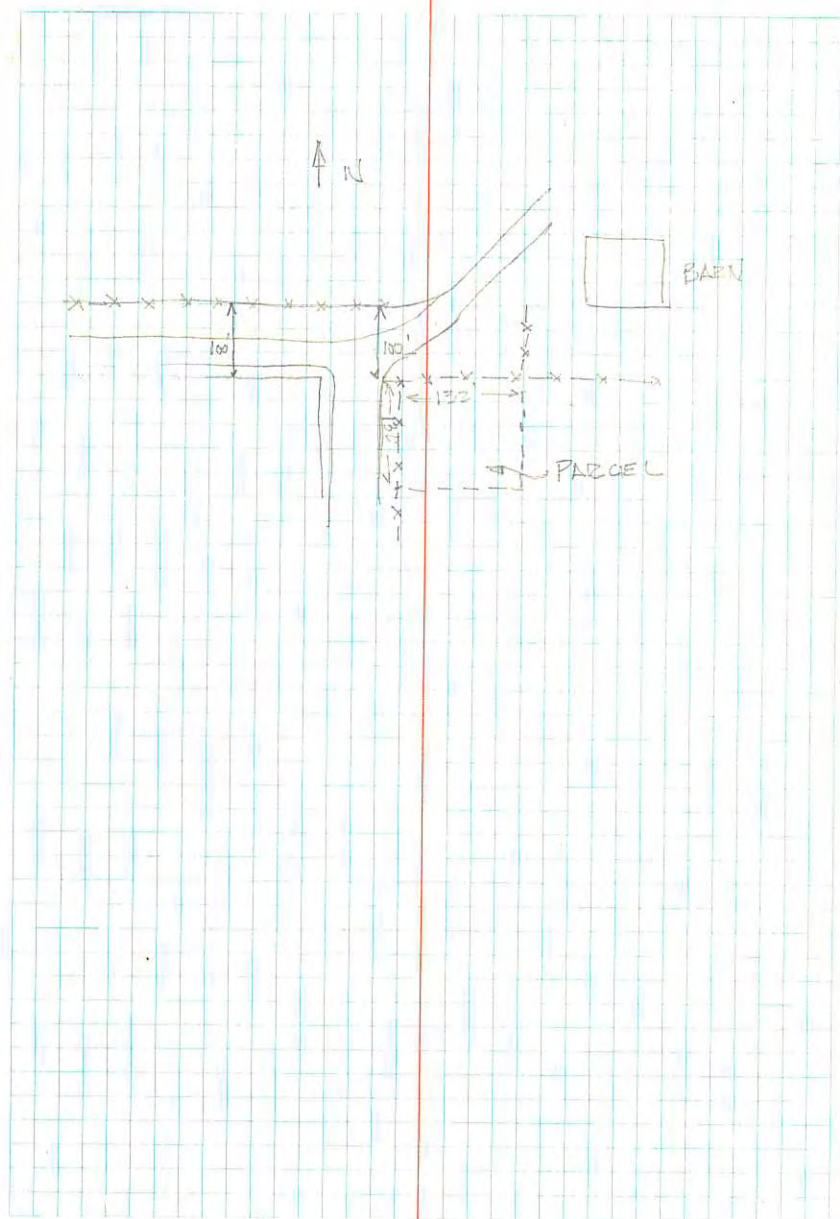
TH

WARD

PARCEL OF EXCESS PROPERTY

T13N R14W SEC 20

LOCATED IN NW 1/4 OF SEC 20 AT S.E. CORNER
OF CITY OF NEWTON. PARCEL IS BEING FARMED.
LOCATED 100' R/W OF CITY STREET AND
LOCATED OLD FENCE 132' EAST OF EAST R/W
LINE OF N/S ROAD. SET RIBBON ON FENCE AT
DISTANCES FROM CORNER. H SE CORNER OF
INTERSECTION





17 17 APRIL WHEAT, CLEAR

H. HUDSON

W. WARD

SURPLUS PROPERTY JOB 1-79-004

SEC. 29 T13N R1E SEE 1-79-011

LOC EXCESS PROPERTY

OF LOCATED WEST OF SMITHFIELD IN

LOC SE 1/4 SEC. 29.

LOC MEASURED NORTH 709.5' TO A E-W

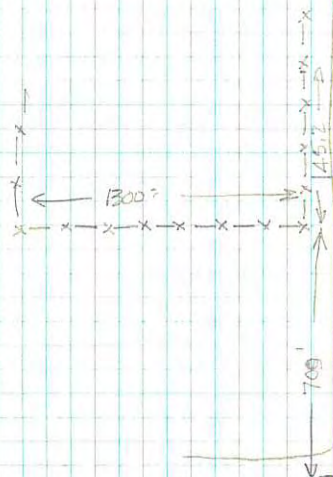
LINE FENCE LINE FROM ROAD INTERSECTION WHICH

DIST IS APPROX. SECTION CORNER. MEASURED NORTH

INT 145.2' (E.2 CH) SET PT ON FENCE LINE

MEASURED 1300' TO WEST TO OLD FENCE

LINE.



APPROX LOCATION
SE COR SEC 29

CACHE CO. AND LOGAN CITY
BASE BALL QUADRA PLEX

18 APRIL 79

JOB 1-79-005

RICHARDSON

COOL

WRIGHT ♀

CLOUDY

WARD T

NI 2

HUDSON NOTES

BM ON 6TH WEST LOGAN CITY BM WHITE

CROSS ON 6TH WEST ELEV 4476.78

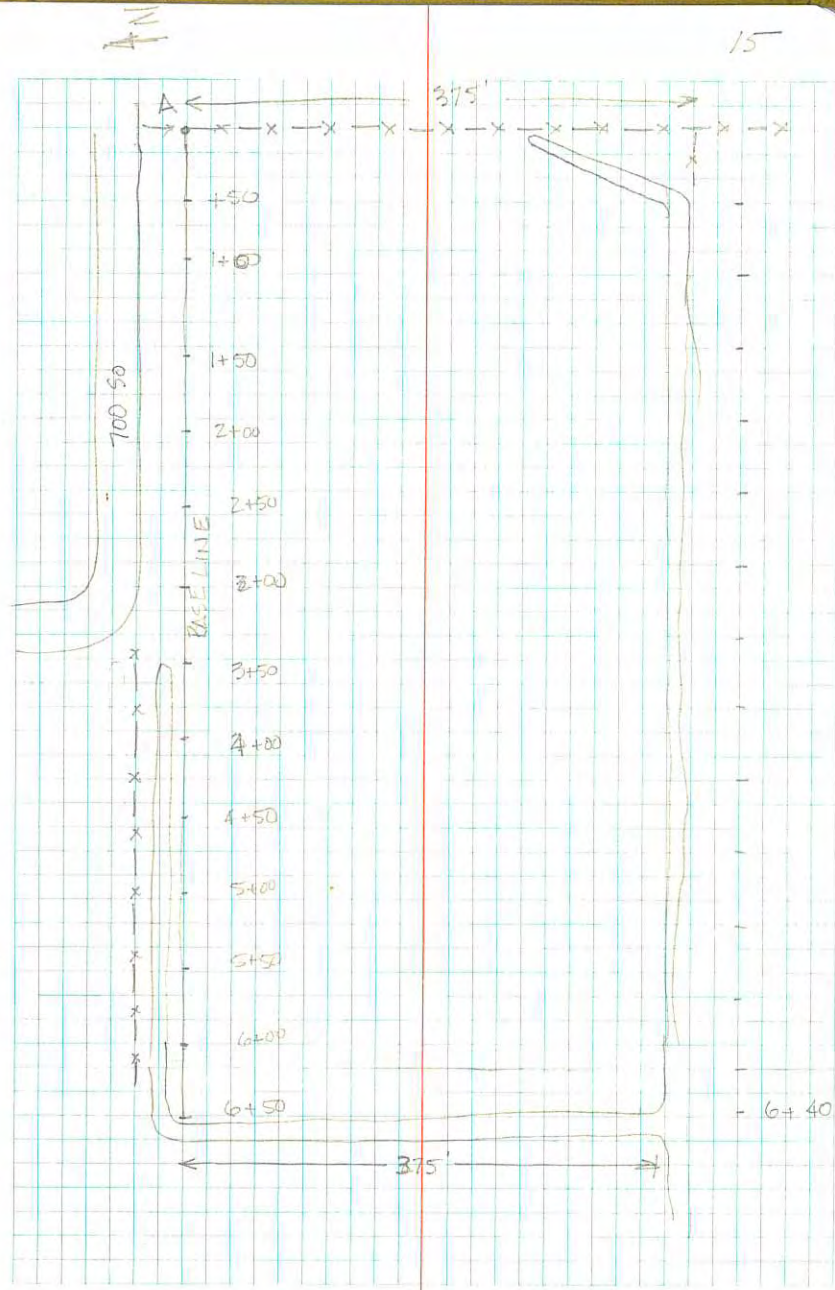
EST. BM @ 700 SOUTH PK NAIL

E.S. CROSS		45	83.75	
BM IN T.P.		2.86	85.39	
BM 700 S	4.82	18.15	43.83	83.43
		81.06	4.26	79.80
TP	4.92	82.16	6.02	76.14
TP	2.21	85.88	6.93	78.95
BM 700 S	2.45			4483.43

BM 3³⁹ SHOTS ON QUADRA PLEX
ON ATTACHED SHEETS

HI = 86.82

BM 700 S PK NAIL		3 ³⁰	4483.43
TP	5 ²⁰	4486.73	1 ⁶⁸ 4481.53
TP	1 ⁵⁰	4483.21	0 ⁵⁵ 4481.71
BM	5 ⁴⁸	4482.26	4476.78



18 APRIL

1 HUDSON

COOL, CLOUDY

1 WARD

ELEVATIONS AT 0.45 PM

FE OF 2 2A' CMP UNDER 1400 FE		12.8	74.4
100' OF DRAIN		6.3	80.9
E 2+50		7.5	79.5
C 50' 50' OF DRAIN		7.5	79.7
E 3+50		7.5	79.7
E 50' 50' OF DRAIN		8.3	78.3
BM 4+00 100' 50' OF DRAIN		9.1	78.1
T 4+50 100' 50' DRAIN		9.2	77.3
BM 5+00 100' 50' OF CANAL		9.2	77.3
5+50 50' 50' OF CANAL		9.2	77.5
BM 6+00 50' 50' OF CANAL			
BM PE			
T 3M	3.82		1483.43
T			
BM			

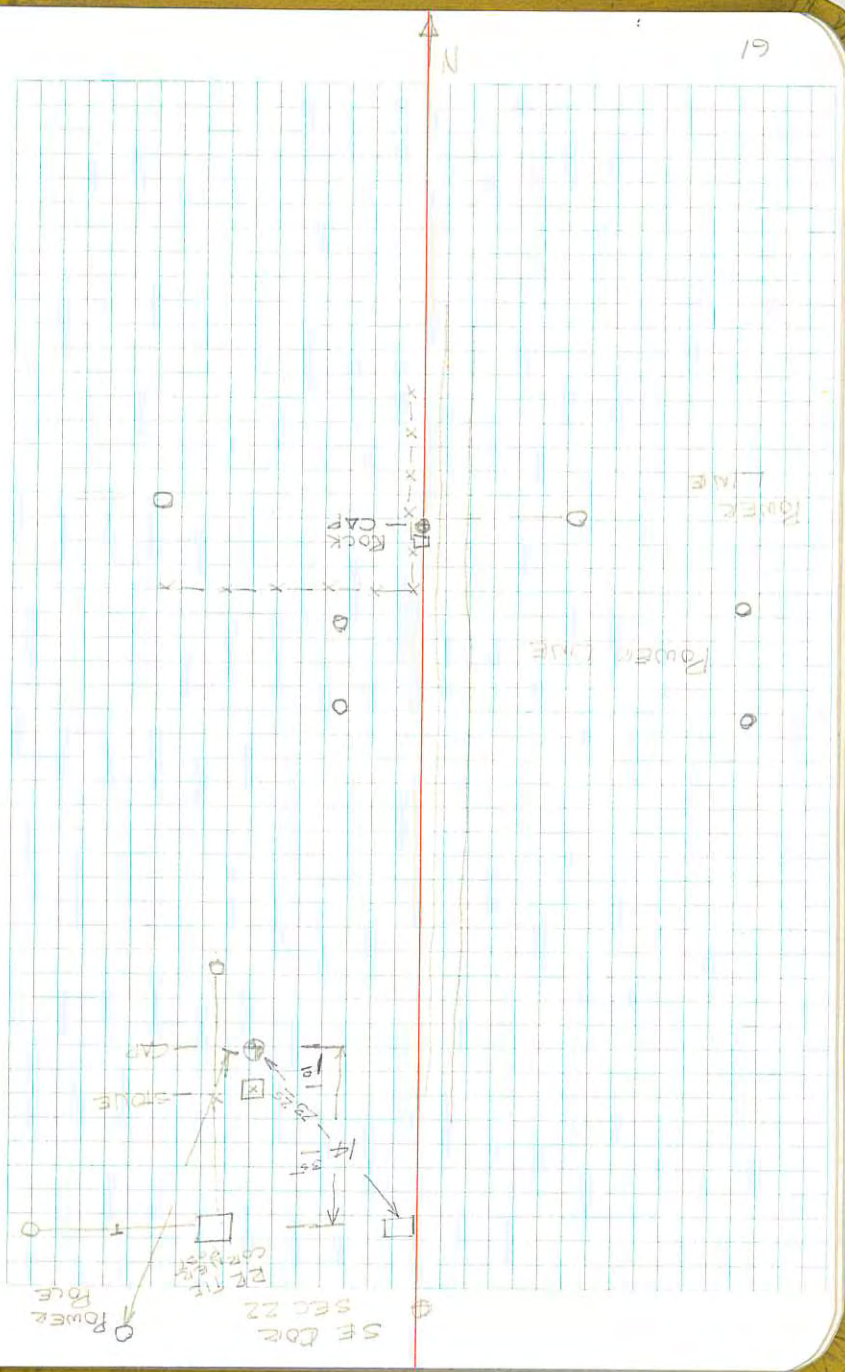
COUNTY GRAVEL PIT NORTH OF SULLYFIELD
 24 APRIL 79 1-79-006 WARM, CLEAR
 HUDSON PC. TH43, ANTELLMERS
 WARD T. ALSO ON Pgs. 57-69

PURPOSE: TO LOCATE BOUNDARY OF
 CIRCLE COUNTY CEMENT PT.

BASIS OF BEARING LINE BETWEEN SE CORNER
 SEC 22 AND E 1/4 CORNER SEC. 22.

E 1/4 CORNER-FOUND SQUARE ROCK, LAND
 OWNER STATE THAT IT WAS CHISEL, ACCEPTED
 BY OTHER SURVEYORS
 SET BRASS CAP ON 3' & 1/2" DIA PIPE 2 1/2"
 IN GROUND NORTH OF CORNER

SEC CORNER # 176



SET INSTRUMENT BETWEEN SE COR AND
E 1/4 CORNER AND SET HUB ON LINE MEAS. DISTANCE

AS SHOWN
SET 1/4 DIST SLOPE % V HORIZ D
105.93 263' 03" 105.17

HUB
2556.94 270° 40' 2556.77

E 1/4 TOTAL DIST 2661.94

SET INSTRUMENT ON E 1/4 CORNER B.S ON HUB
AND TURNED FOLLOWING ANGLES AND DISTANCES
TO THRU CENTER OF SECTION TO ASSUMED PT OF
RECORD AS W 1/4 CORNER SEC 22. W 1/4 CORNER
IS FENCE CORNER AND POINT OF RECORD FOR

ALLSOP SUBDIVISION 1961
STATION E 1/4 HORIZ % SLOPE DIST VERT % HORIZ DIST
92° 25' 45" 1612.94 91° 10' 1612.60 272° 25' 45" 252.00

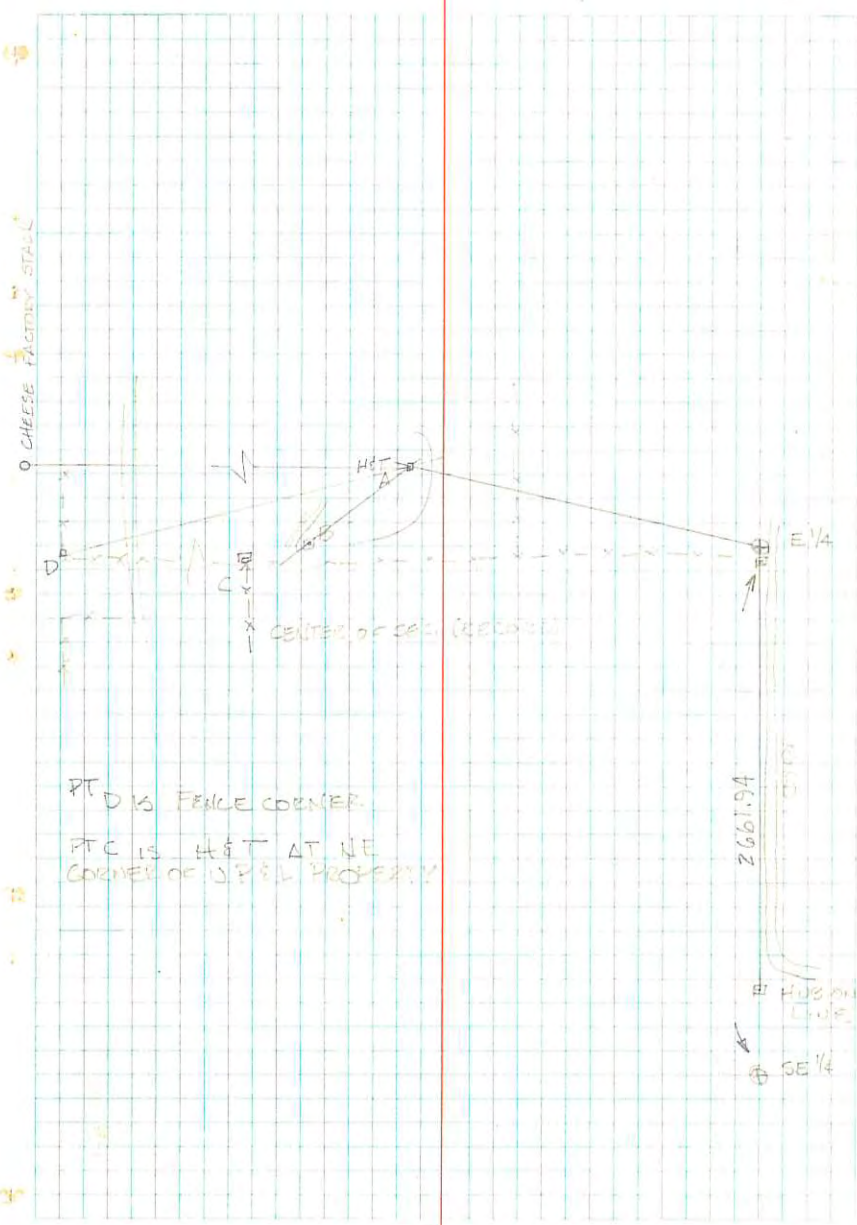
PT A 19° 41' 252.27 93° 00' 252.00 252° 44' 45"

PT B

PT A

6' 36" 265° 48' 55"

CHEESE FACTORY STALL



PT D IS FENCE CORNER
PT C IS HUB AT NE CORNER OF U.P.S.L. PROPERTY

2661.94
HUB
SE 1/4

FROM B
ON C
TURN 86° 21' TO NORTH

DISTANCE FROM E 1/4 CORNER TO PT C = 2658.40
BENG = 588° 45' 14" W

DISTANCE FROM E 1/4 CORNER TO PT D = 5305.44
BENG = 589° 31' 28" W

C

13° 36' 15" 813.13 96° 41' 807.60 266° 21' 00"

B

D

1647.00 3458.76 93° 07' 3453.64 269° 31' 45"

B

DX R

25 APRIL 79
HUDSON RC.
WARD A

SMITHFIELD GRAVEL PIT
WARM, SUNNY

DESCRIPTION TIES POINT ON EUMIDEAL TWP
E 1/4 CORNER SEC 22 BY 633.4' N, 2428' WEST,
SO SET ON E 1/4 CORNER RAN BASIS OR BEARING
LINE 633.4' NORTH
SLOPE DMS = 633.43
VELTA = 82°41'
THEN B.S. ON E 1/4 CORNER TURNED DUE WEST
(90°) AND RAN 2428' WEST

CHEESE
FACTORY
NORTH EAST
OF STALL 6°16'15"
± DL

PTE

48.15

322.13 258°04' 218.30 2476.15

D

91.59 83°11' 90.94

C

1222.38 267°35' 1222.26

B

904.67 91°17' 904.64

A

170.16 22

⊕ SE 1/4 CORNER SEC 22

⊕ H&T P.O.T

⊕ E 1/4 CORNER

⊕ NAIL 633.4

A

904.64

NAIL

B

1222.26

NAIL

C

90.94

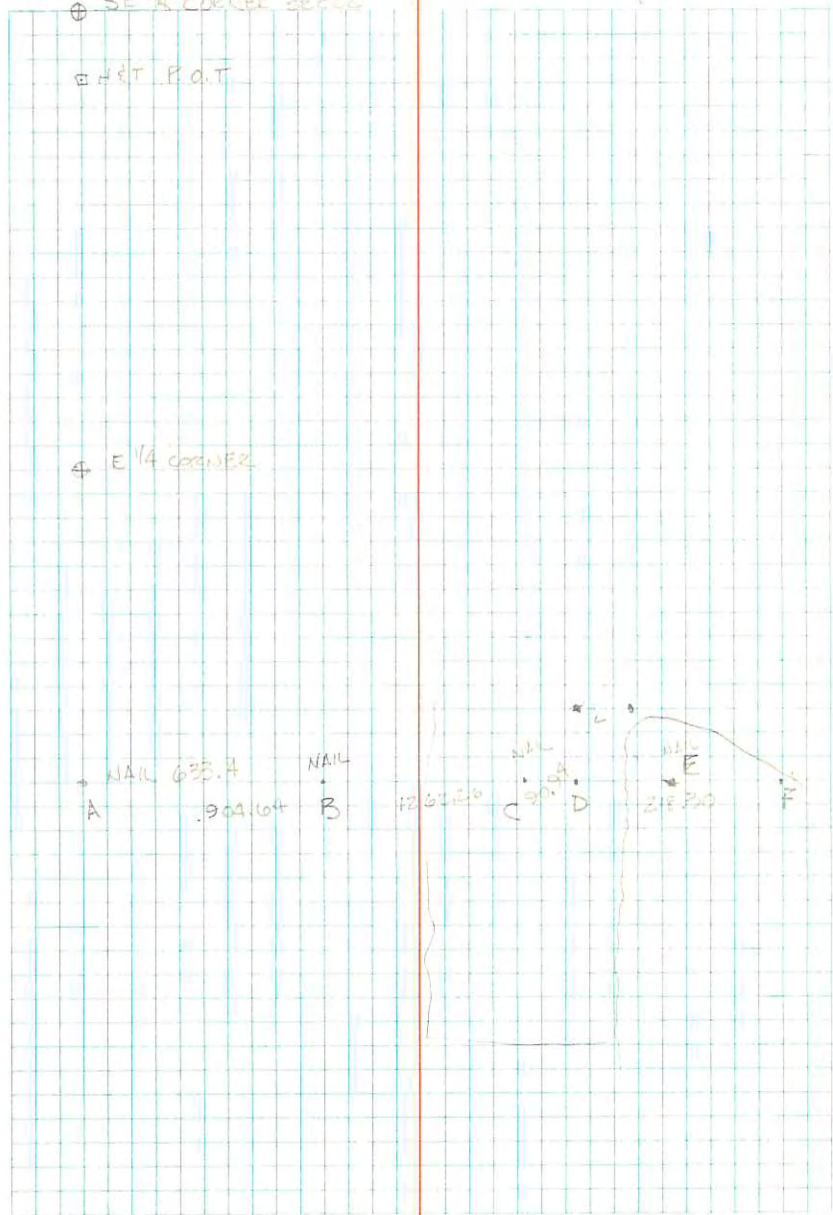
D

NAIL

E

2428

TWP



26 APRIL
HUDSON RC.
WARD X

SMITHFIELD S.W. CORNER WARD X

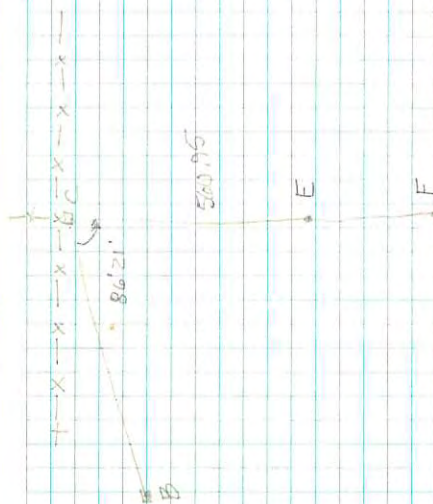
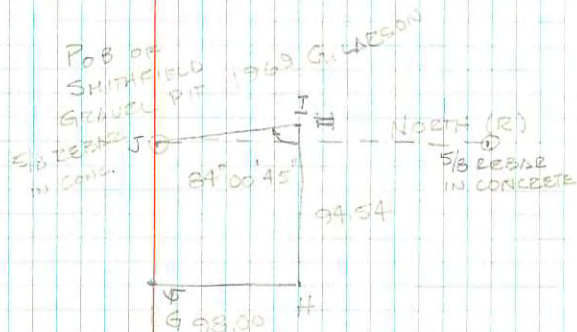
THIS SURVEY WAS RUN TO
ESTABLISH CACHE COUNTY'S PIT.

RUNNING LINE NORTH AND WEST FROM
CENTER OF STATION TO BEGINNING POINT

CORRECTED PT # I	102° 09'			841.21	
E					
	204° 19' 50"	843.13	94° 11'	340.93	
J	306° 28' 15"				
	84° 00' 45"	73.27	-	73.27	
I					
	90° 00'	94.54	-	94.54	270° 00'
H					
	90° 00'	98.00 100.00	90°	98.00 100.00	0° 00'
G					
	90° 00'	727.99	94° 25'	727.82	270° 00'
EF					
	0° 00'	79.13	89° 55'	79.13	0° 00'
E					
C	86° 21'	560.95	85° 13'	560.95	0° 00'
B	562				

23

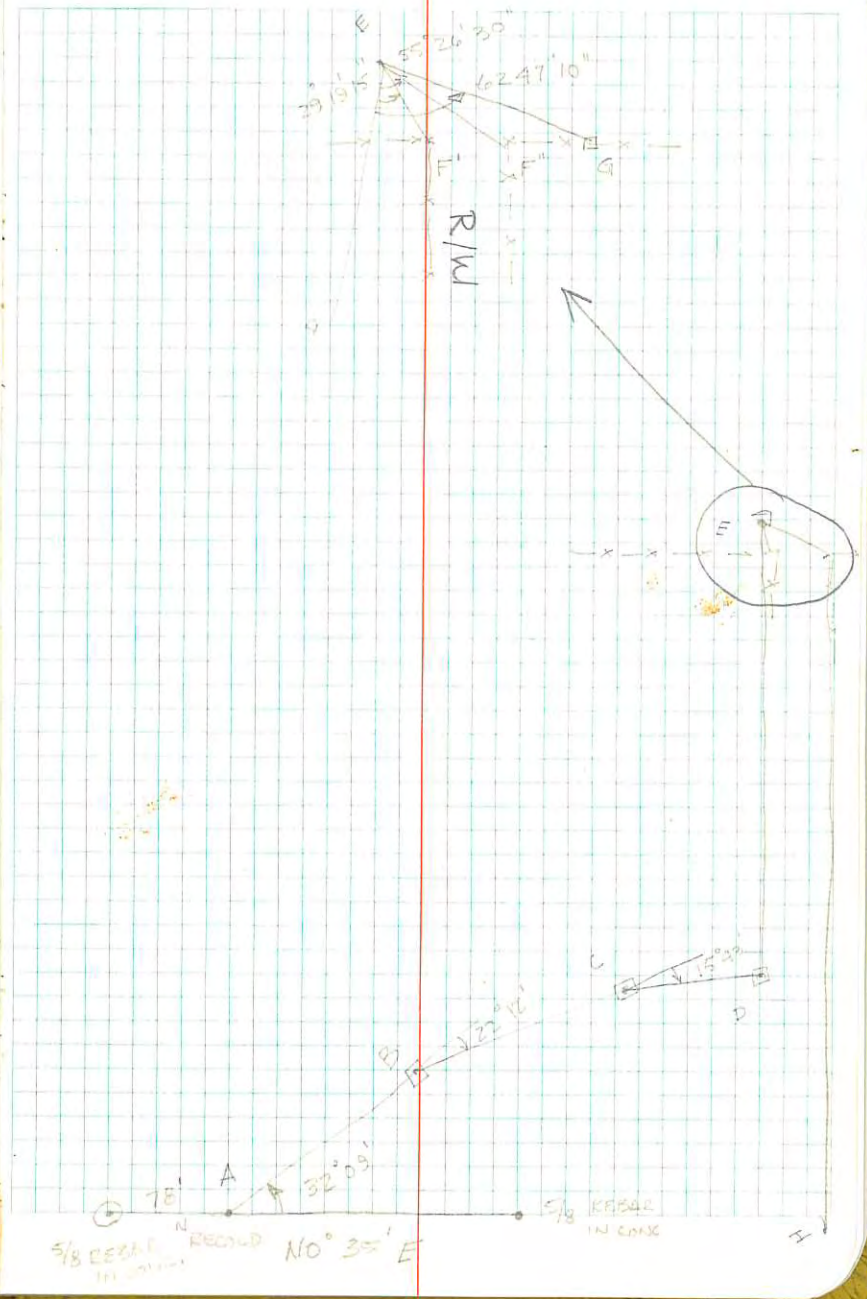
PT J¹ IS SOUTH WEST CORNER SMITHFIELD
CITY GRAVEL PIT AS SURVEYED BY G. LARSON
JUNE 25 1969.

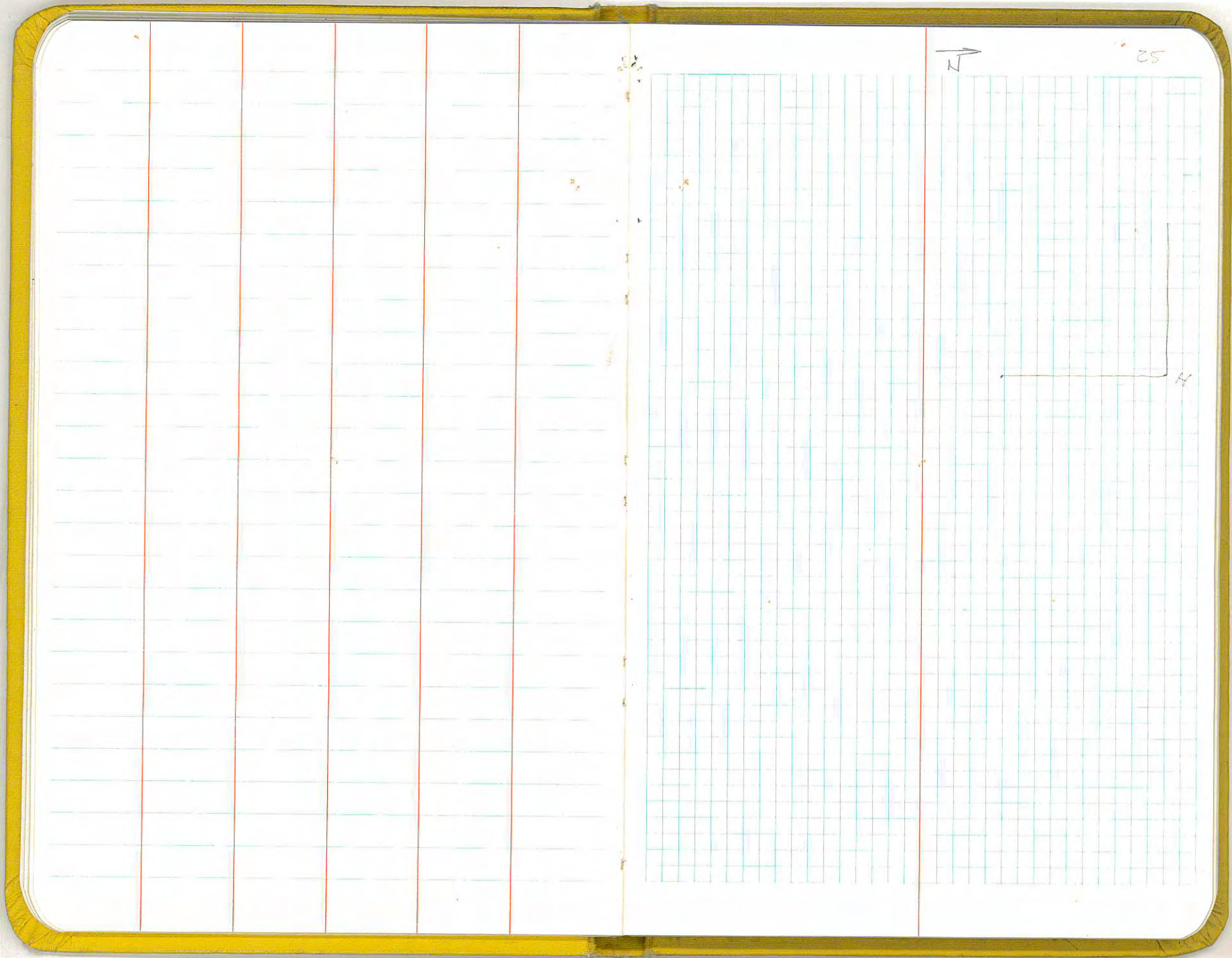


USING SMITHFIELD CITY GRAVEL PIT WEST LINE AS BASIS OF BEARING AT DIRECTION OF CO. ENGR. CUR P.O.B. "H" IS 13.27' NORTH AND 8' WEST OF FENCE LINE USED AS

SM. CITY GRAVEL PIT WEST LINE	Dist.	Bearings	Dist.	Void
H ₁	1830.85	60°51'45"	1881.54	80°20'
G	1877.46	64°33'	1877.46	80°20'
F	59.62'	62°47'10"	59.62'	25°26'50"
E	47.35'	55°28'11"	47.35'	
D	25.3'	55°26'30"	25.3'	
C	756.00	29°13'15"	756.00	83°02'
B	482.94	29°19'45"	482.94	265°32'
A	206.0'	26°54'15"	206.0'	754.19
	206.0'	82°28'	206.0'	268°14'
	156.5'	16°08'	156.5'	N 5°46' E
	156.5'	15°43'	156.5'	5°46'
	126.5'	22°00'	126.5'	N 9°57' W
	126.5'	22°12'	126.5'	350°03'
	301.31'	32°09'	301.31'	N 31°34' W
		INT L		301.31'

STATE HWY





52



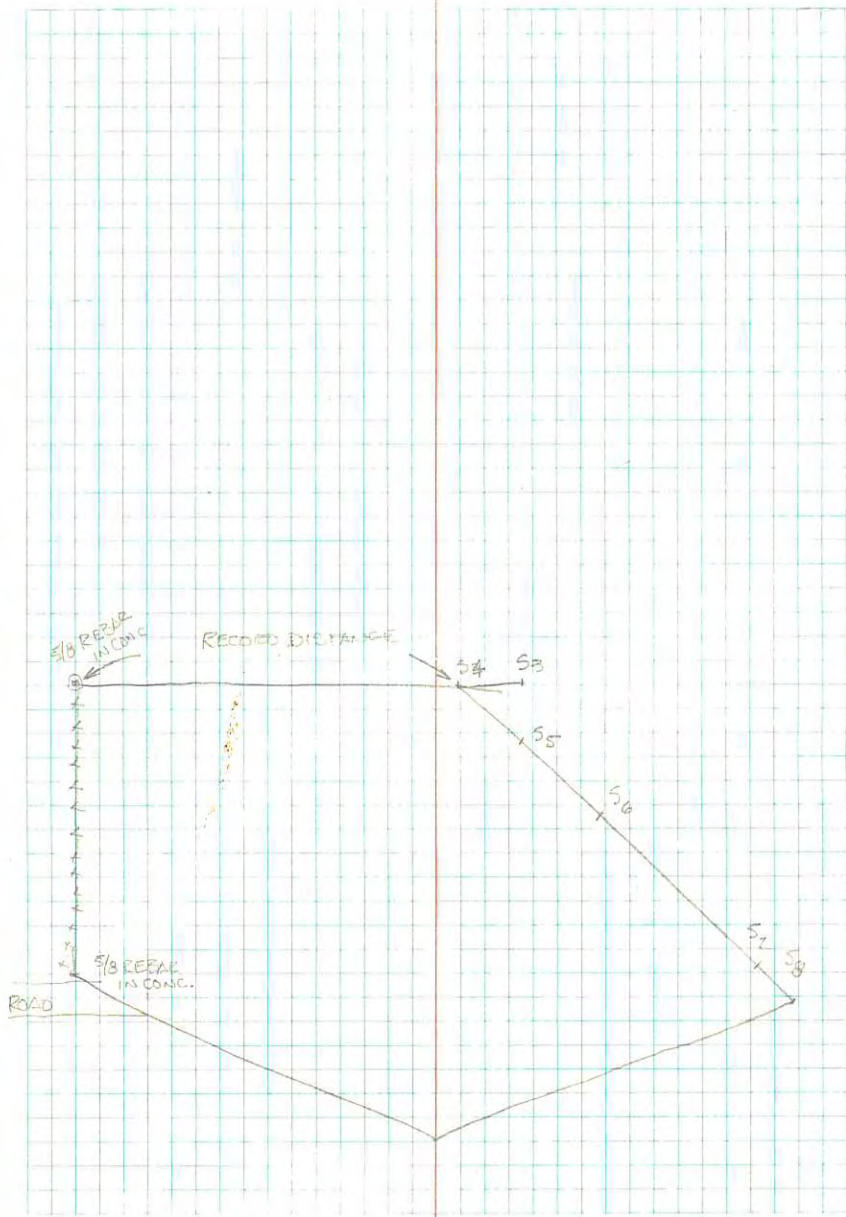
H

30 APRIL SMITHFIELD CITY GRAVEL PIT,
 HUDSON P.C. WARM, P. CLOUDY
 WARD T.

START AT SW CORNER OF SMITHFIELD CITY PIT
 RAN N 0° 35' 30" ON OLD FENCE LINE BETWEEN
 5/8 REBAR IN CONCRETE THEN LEAD TO S1

PIT. S ₈	23.55 72.4	149.43	12.11	
	13.25		13.25	12.11
S ₇				
S ₆	251.42	270° 04'	251.42	25.36
S ₅	164.27	81° 42'	162.55	276.18
S ₄	59.81	11° 55'	85.37	439.33
	38° 52' 30"			
	TO RIGHT			
S ₃	0° 00'	70.33	110.57	65.87
	TO RIGHT			
S ₂	90° 28'	654.33	62° 15'	648.35
	TO LEFT			
J	330.39	330.39	93° 39' 98	329.72

VOID



95° 57' 45"

N →

27

95° 57' 45"
INT TO LEFT

S8 S9 J

66° 19'
INT TO LEFT

VOID

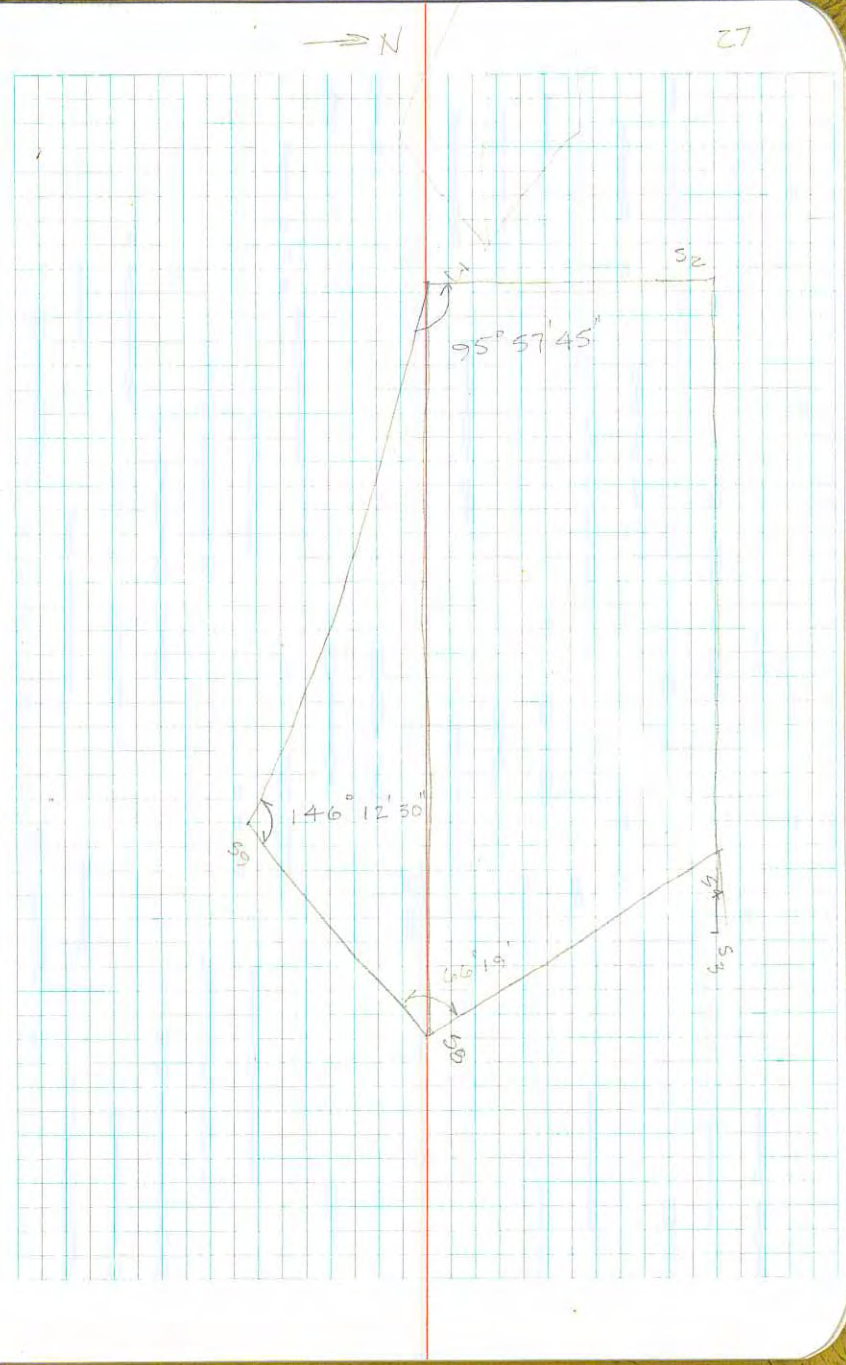
146° 12' 30" 823.61 94° 25' 821.16

S9

INT TO LEFT

205.38 77° 33' 200.55

S8



1 MAY 79

CHAMBERLAIN GRILL PIT

REF. 11

WARM, CLOUDY
WINDY

HUDSON P.C.

VIEW X

START AT POINT J AND RUN CCW AROUND

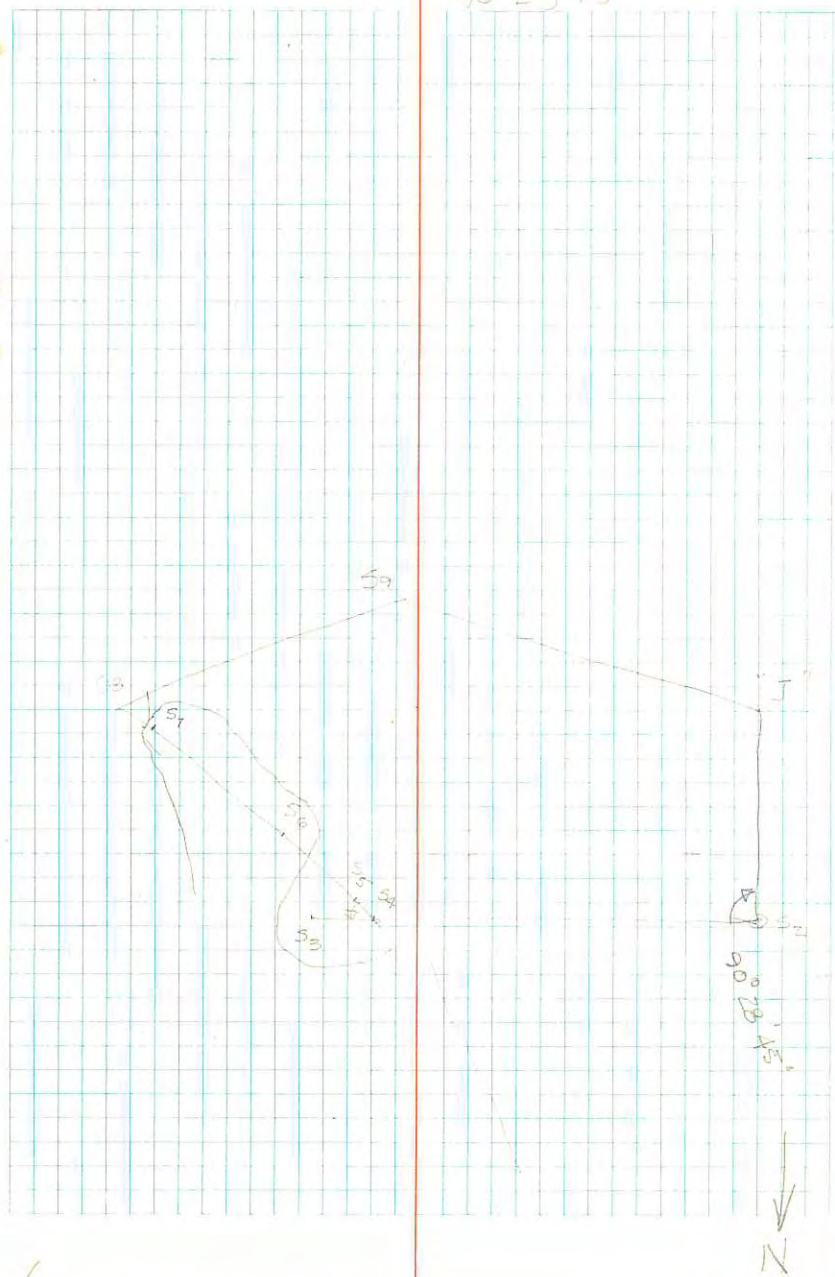
TERMINAL
STATION
HODS 3
B

S ₂		653.56	97° 03'	648.50
S ₃	53'	72.95	64° 23'	65.82
S ₄	0° 00'	88.50	104° 03'	85.85
S ₅	0° 00'	162.5	95° 55'	162.69
S ₆	0° 00'	264.93	88° 33'	264.85
S ₇	66° 10' 30"	17.51	45° 56'	12.15
S ₈	146° 11' 45"	205.59	7° 32'	200.76
S ₉	35° 57'	824.27	85° 26'	821.26
S ₁₀ J				

VOID

90° 23' 45"

28



1 MAY 79

CONTINUATION OF COUNTY PIT SURVEY

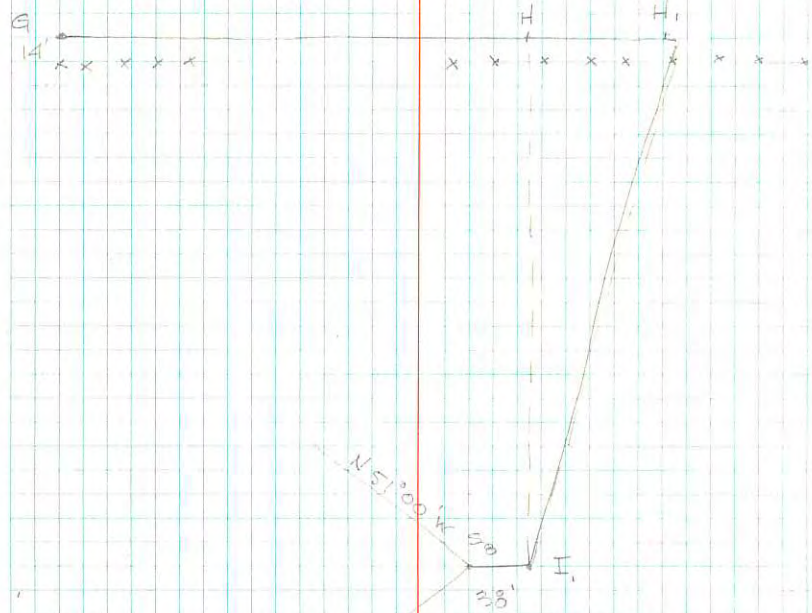
HUDSON PC
WARD K

FROM SE CORNER SMITHFIELD CITY PIT PT
S₈ PREVIOUS PAGE MEASURED WEST 38'
TO SE CORNER OF COUNTY PIT
THENCE RAN LINE SOUTH FROM NE CORNER

S ₈	116°49'20"	VOID		
	117°51'20"	38.0	-	38.0
I ₁	63°04'00"	775.03	105°12'	747.92
	<small>116° 3' LEFT</small>			
S H ₁	600'	312.94	278°20'	309.37
G				

AN

29



I₁ DETERMINED FROM S₈
SE CORNER SMITHFIELD
CITY GRAVEL PIT

RE-RUN OF SMITHFIELD GRAVEL PIT

WITH INST. ONLY

12 JUNE 79

HUDSON

WARD

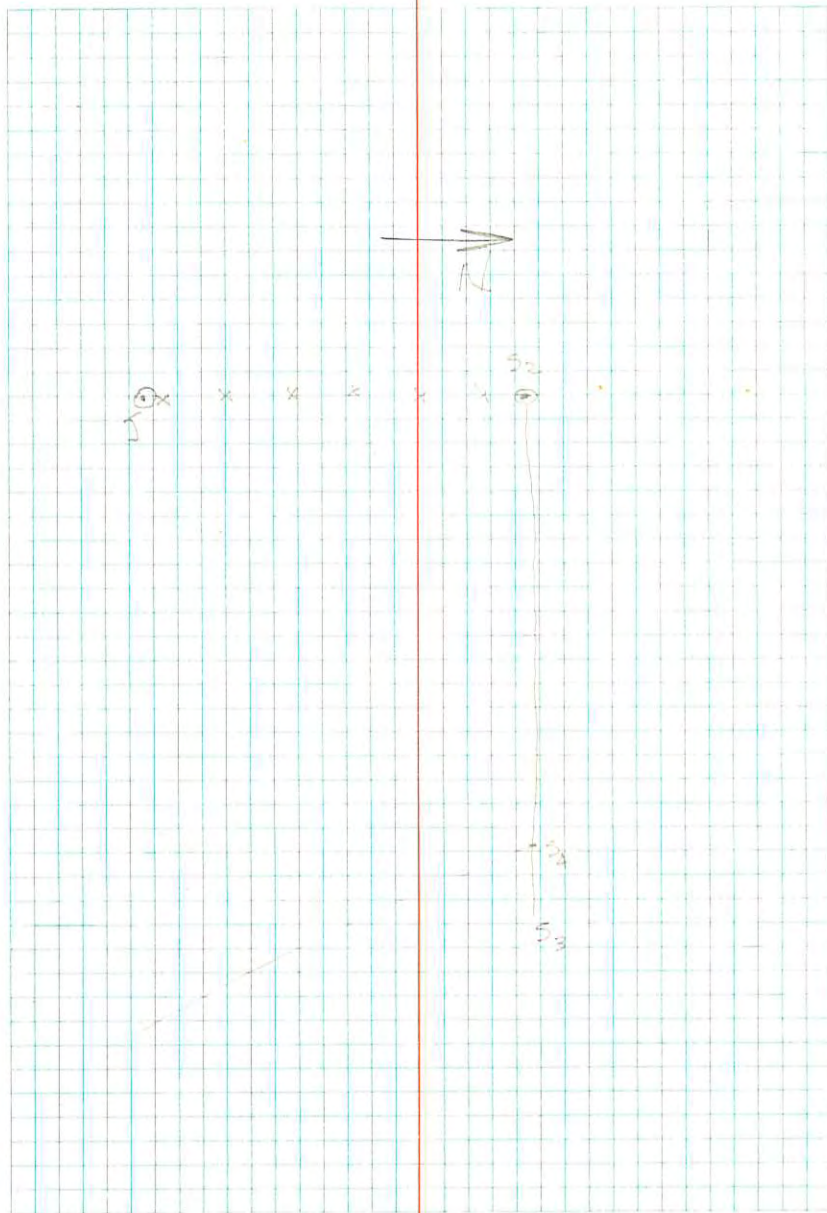
HOT, CLEAR

START AT CONC. MON. RUN AROUND
SMITHFIELD CITY PIT THE COUNTY PIT

START AT S2 BS ON "J" AND TURNED FOR ANGLES

CONT. NEXT PAGE

~~179 59 30 VOID~~
~~180 00 00 90.4722 + 180 = 270.4722~~
 S3 89 31 10 • 269.99 86 =
 S2 269 31 30 269° 59' 55"
 J



22 34 10
12 JUNE RERUN CONT

START AT BEG PT FOR Co. GRAVEL PIT
AND RUN ACCORDING TO DEED. - Co. GRAVEL PIT

CC2 179 59 10

↳ TO LEFT

337 25 50

202 33 50

↳ TO RT

00° 00' 00"

CC1

180 00 00

147 49 00

32 11 00

4

147 39 00

00 00 00

FROM J

CHE 32 09 20

WITHIN 10" OR

TO EAST 180.00 00
147 39

MOVED PT .07'

SHOULD BE 32° 09'

147 49 00 = 32° 11'

202 33 32

22 33 32

21 37

202 33 20

157 26 40

SHOULD BE 21° 37'
SD ERROR IS 2.5'
SET NEW PT.
21° 37' X D #2



31



⊙ J

CC87

CC6

1800030

3043230

3043200

1243200

3043130

CC5

SHORT 6 ³¹ FROM OLD POINT

180 ⁰⁰⁰⁰ ~~1934~~

870000

2670000

870000

870000

CC4

1800000

154300 1954300

1954300 154300

195 ^{43 00} ~~34~~

CC3

1800020

1970940

170920

1970920 170920

1970900

SHOULD BE

15°43'

CC3

3
 MAY 79. HYDE PARK GRAVEL PITS
 HUDSON RL. JOB No. 1-79-007
 WARD T.
 PARCEL TAX # 04-040-0022⁴

BASIS OF BEARING IS LINE BETWEEN
 NE CORNER SEC 11 AND 17 COR. TO NORTH
 TOWNLINE

FROM NE CORNER SEC 11 TO
 90° 1' 3" EAST 320 INT. P.

CORN

C

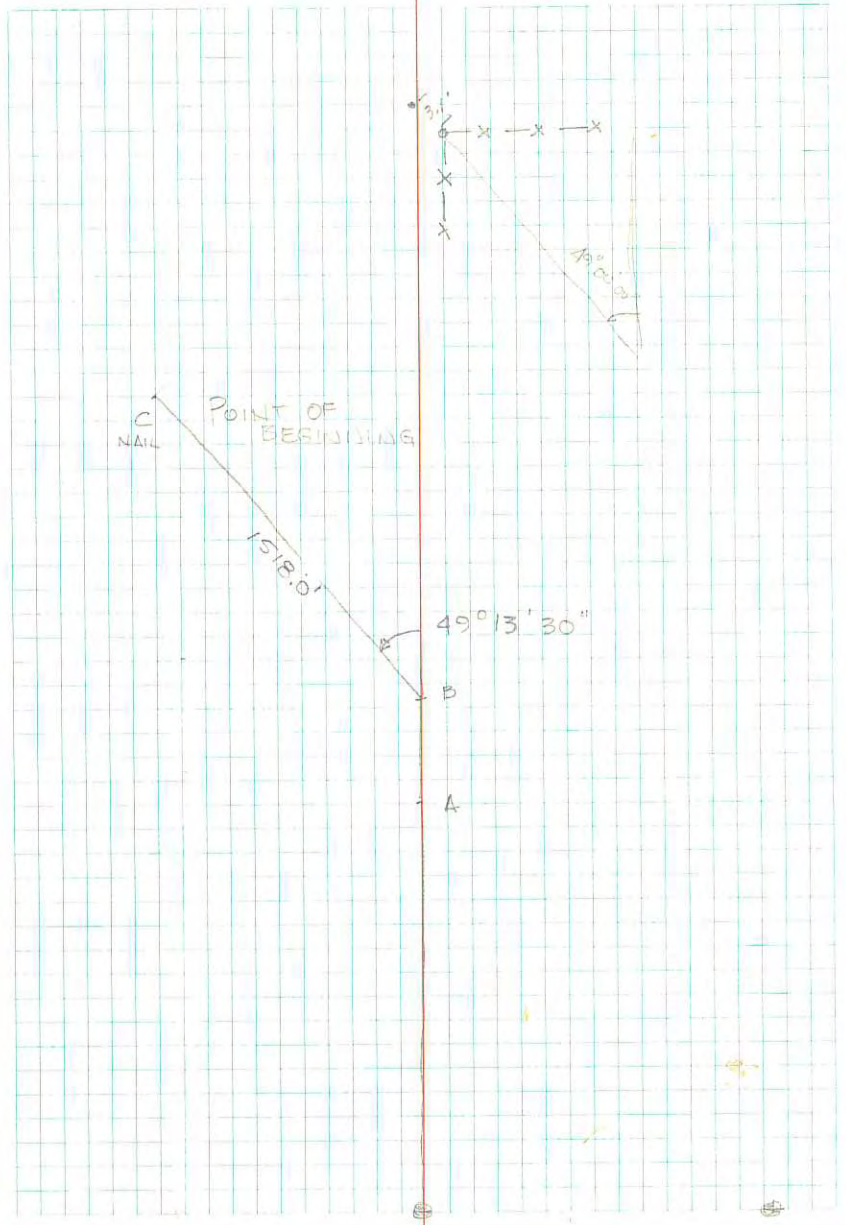
49°03'10" 1528.31 92°58'

B

265°45'
 105.85 105.85 105.55

A

NE
 CORNER



E corner

120°
H $16'30''$ 169.89 97°
 $26'09''$

D

E corner

169.94
 $11^\circ 51'2''$ 11.05 97°

D

Post at

D

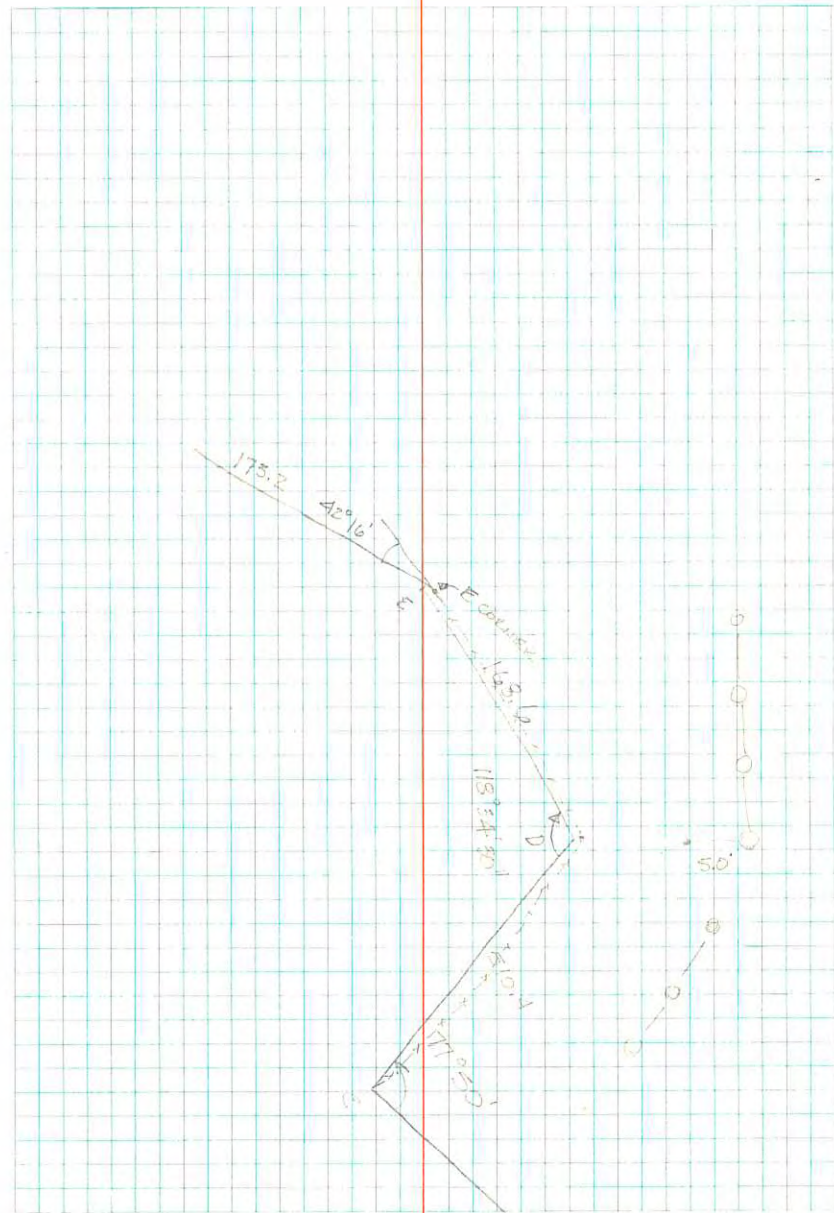
$84^\circ 26'50''$ 551.22 $39^\circ 32'$

C

D

$84^\circ 47'35''$ 547.11 $89^\circ 40'$

C

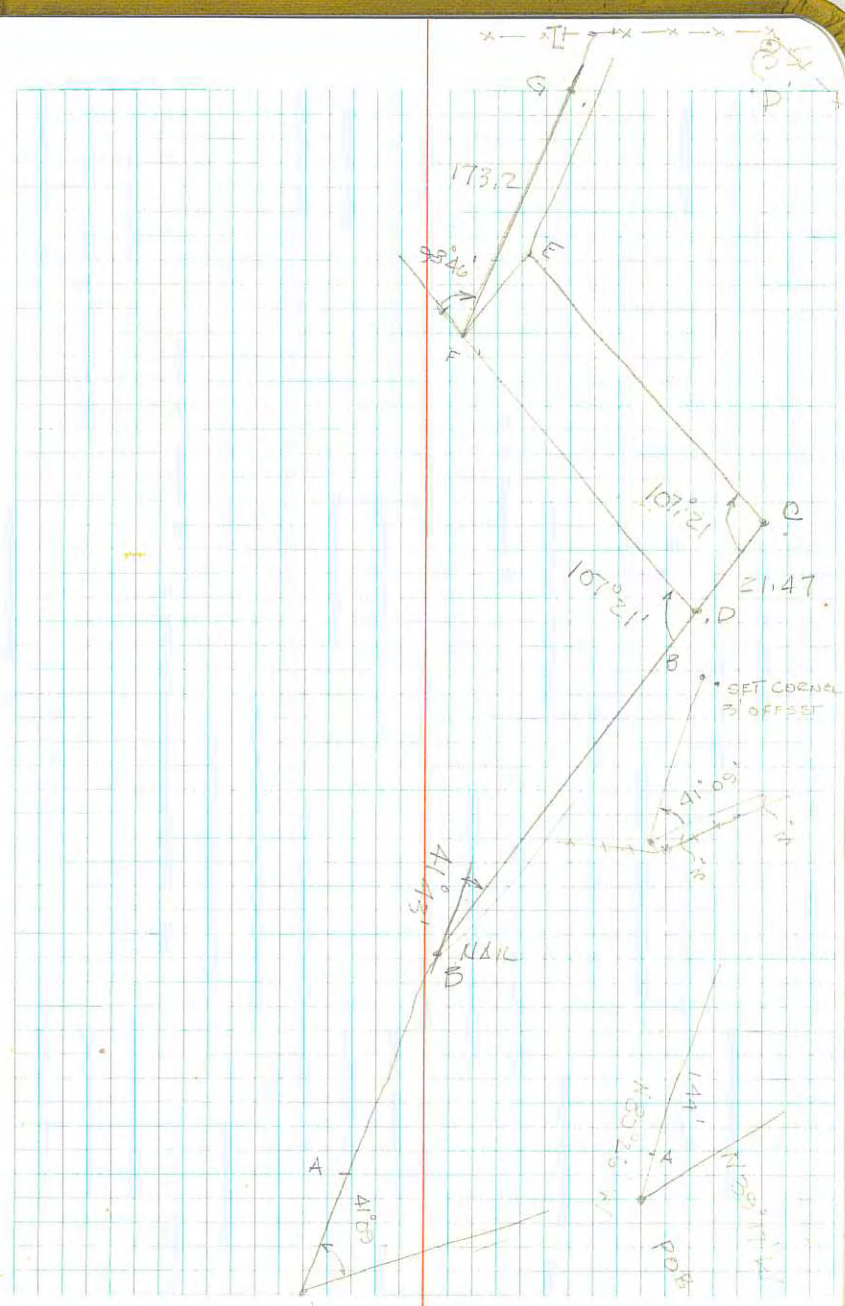


4 MAY

SAME SURVEY

START AT POINT OF BEGINNING AND
 RUN OTHER WAY TO DITCH LINE. FOLLOWING
 PLATTED DATA.

I	0°00'	44.35	—	44.35	29.34	29.35
H	98°46'	145.54	254.00	143.86	173.2	
G	128°09' DEFL. RIGHT	200.21	91°22'	200.1		
F	107°21' INT LEFT	21.47	—	21.47		
E	107°21' DA LEFT	138.5	86°40'	138.1		
C						
D	0°00'	21.47	—	21.47		
C						
B	41°43' DEFL. R	245.43	89°47'	245.37	223.9	
	0°00'	121.27	103°	121.00		
A	41°09'	23.0'				
POB						



A

41° 00'

POB

1000.00

1147

383.71

89° 00'

I

R 14

1620

165.97

88° 19'

D

1000

45° 15' 10"

I

POB

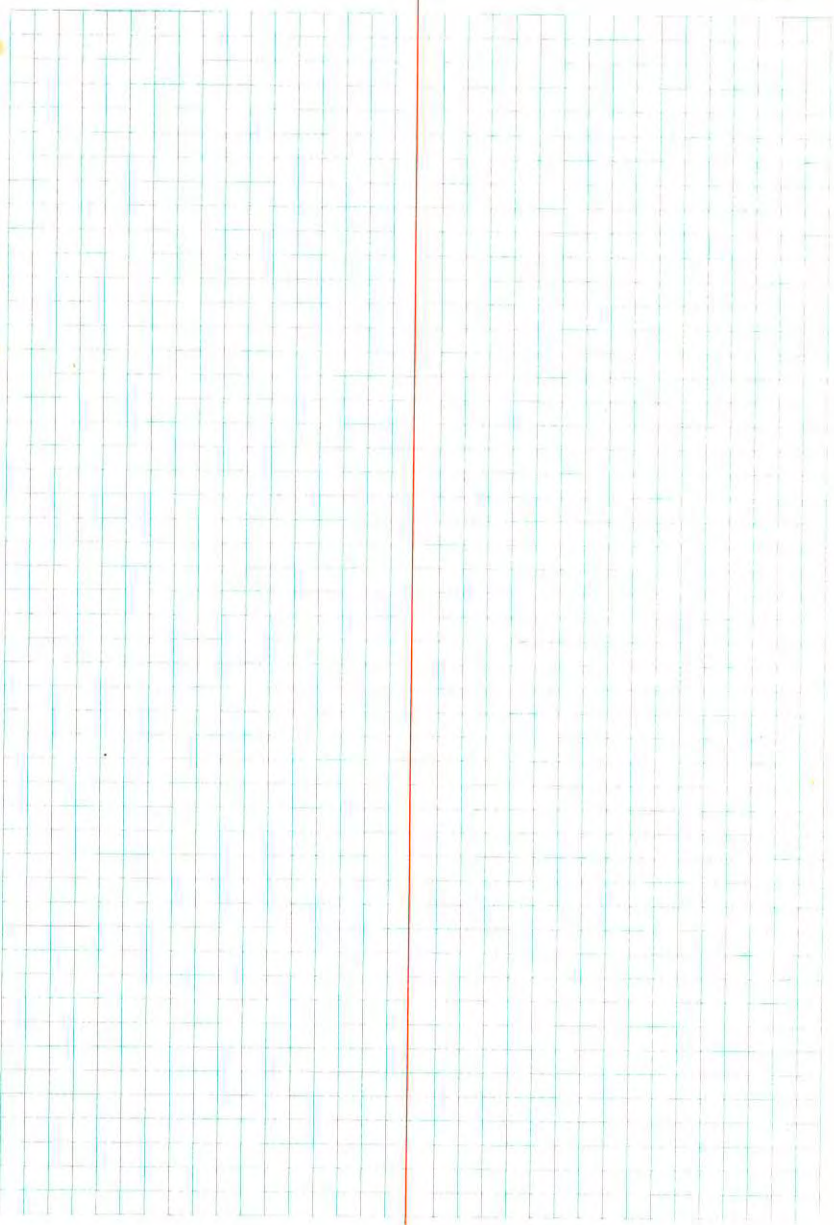
43° 06' 39"

102.10'

84° 54'

101.6

I



9 MAY 79 P CACHE CO. PROPERTY
 HUDSON P.C. SEC 7 T 10 N R 1 E
 WARD X COOL CLOUDY

JOB 1-79-008

SEE 1-79-010

FOUND OBLITERATED CORNER SE CORNER SEC 7
 RAN RANDOM LINE NORTH TO TOWNSHIP LINE
 USED N/S FENCE LINE AS BACK SIGHT.

HORIZ & SLOPE D VERTX HORIZ D

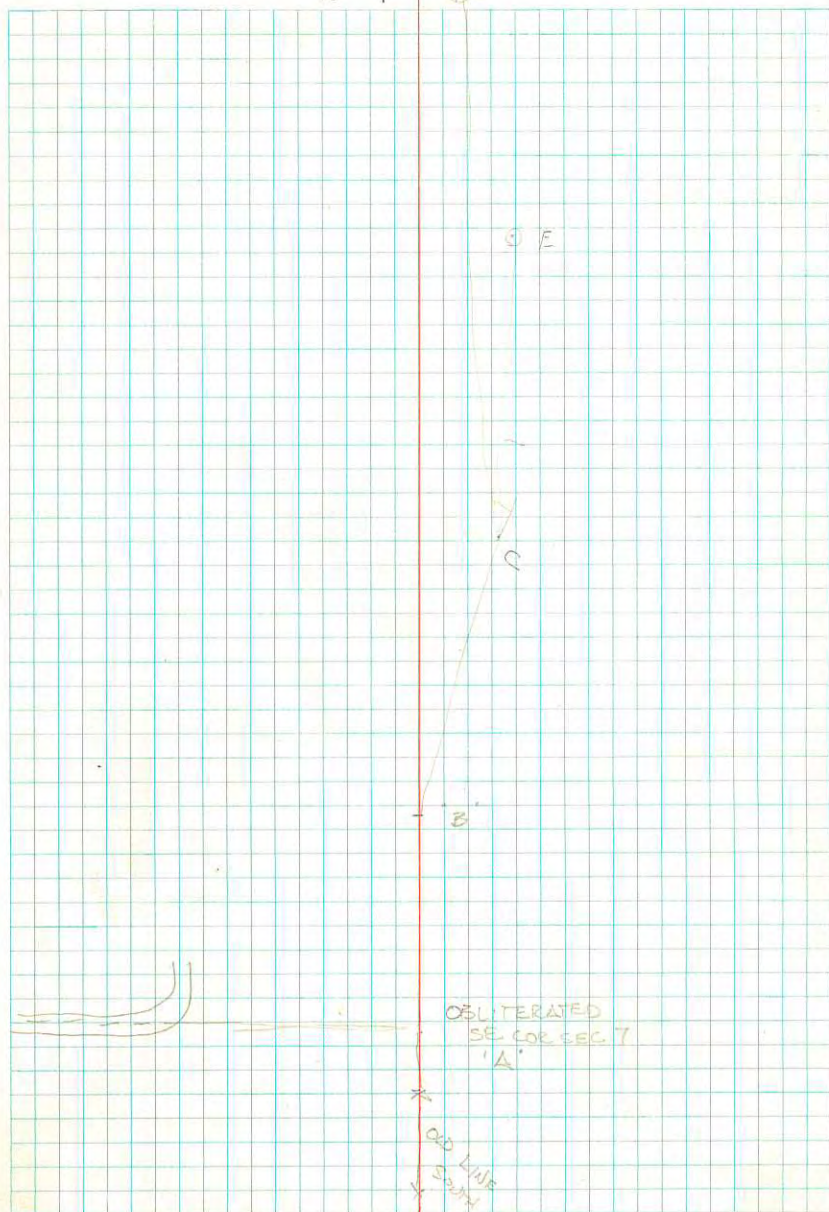
TOTAL DISTANCE N - 10706.56 ^N E 11.27
 50° 03' 37" W 10706.56'
 N E

E	7° 53' 55" 23° 41' 20" DEF L	604.64	92° 10'	604.21
D	9° 03' 30" 18° 07' 00" DEF L	10206.7	91° 41'	10202.29
C	849.50 850' 1740.00	334.32	90° 15'	334.91
B	DOUB. DEFL RIGHT			
B	00° 00'	174.00	266° 16'	173.63

A

N ↑

39



10 MAY 79

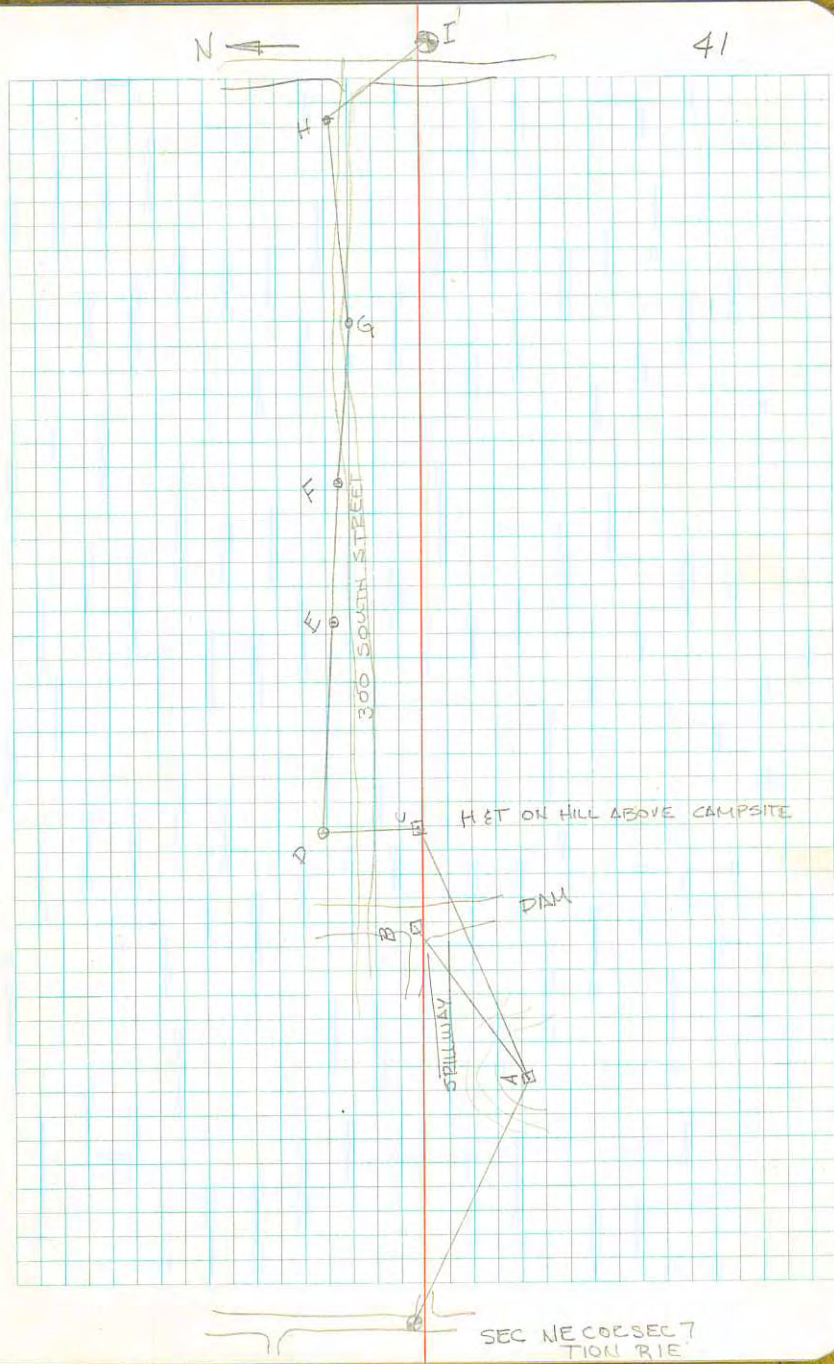
HYRUM LINE RUNNING E-W

HUDSON PC
WARD K

WINLESS
CORNER
I

55°40'25" [Ⓜ]	111°20'50"	141.68	87°52'	141.58
H	DEFL RIGHT			
2°20'15" [Ⓜ]	4°40'30"	3127.80	89°47'	3127.78
G	DEFL LEFT			
1°07'03" [Ⓜ]	2°14'05"	2438.43	89°34'	2438.36
F	DEFL RIGHT			
0°00'	0°00'	1507.46	88°57'	1507.21
E				
56°55' [Ⓜ]	113°50'	1378.74	87°42'	1378.63
D	DEFL RIGHT			
46°43'30" [Ⓜ]	93°27'	448.04	89°37'	448.03
C	DEFL LEFT			
33°38'43" [Ⓜ]	67°17'25"	5502.19	90°39'	5501.84
A	DEFL LEFT			
38°39'58" [Ⓜ]	77°19'55"	3620.21	91°14'	3619.37
B	DEFL LEFT			
25°05'38" [Ⓜ]	50°11'15"	1946.41	86°13'30"	1946.41
A	DEFL RT.			
CORNER				

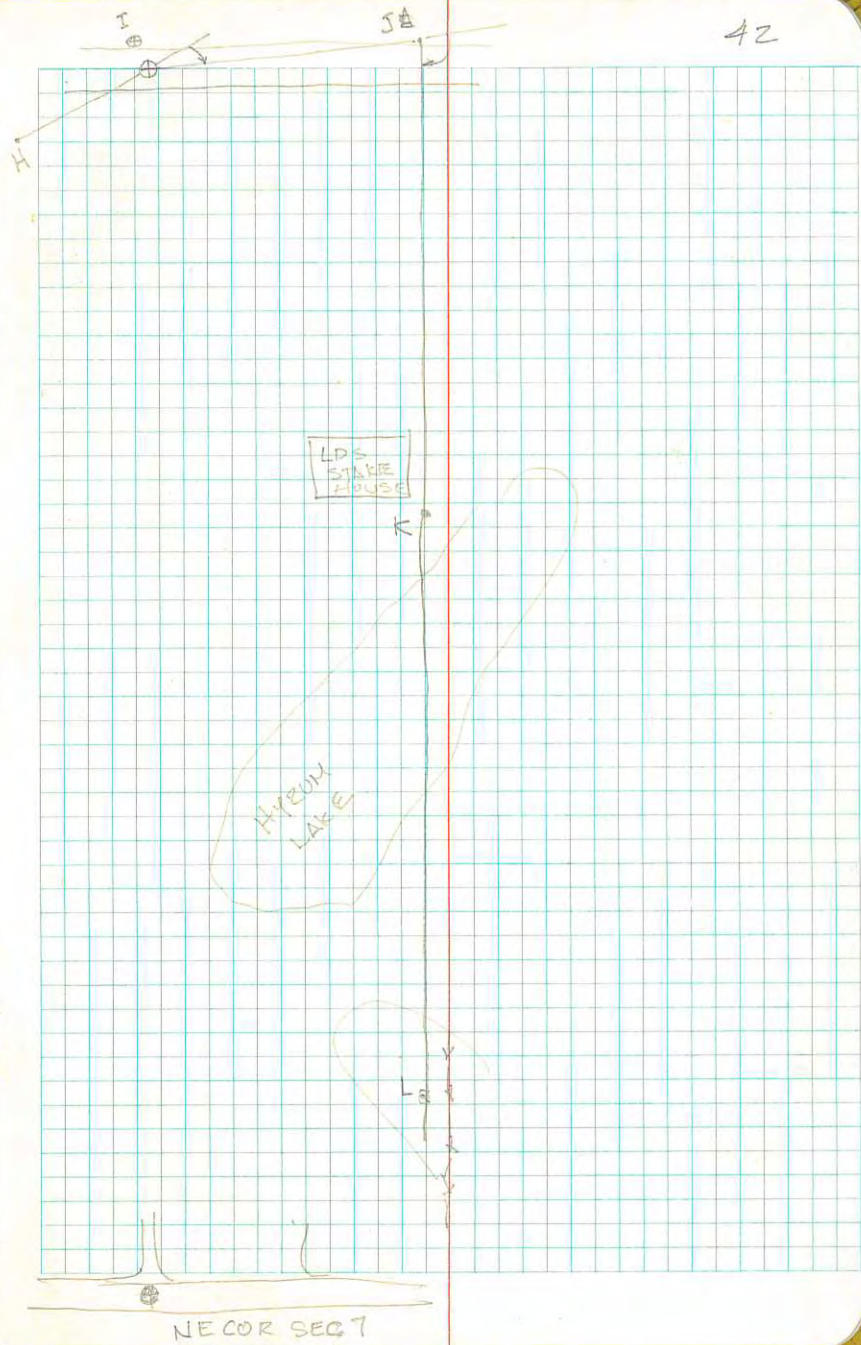
41



HYRUM - RUNNING EAST - WEST

TOTAL L. = 15942.88 # N 90°W
5314.3' / MILE

	SINGLE #	DOUBLED #	SLOPE DIST	VERT #	HORIZ #
A					
CORNER	19° 22' 30"				
L	INT. LEFT				
FENCE	3448.15				
LINE	3446.30	69° 39' 30"			
CORNER	DEFL LEFT		2319.30		
L		60° 48' 55"		86° 37'	2315.26
		DEFL RIGHT			
L	0° 59' 29"	3° 57' 55"	9210.27	90° 10'	9210.27
		DEFL RIGHT			
K	93° 34' 55"	187.0950	4871.15	89° 59'	4871.15
		DEFL R			
J	21° 03' 38"	42° 03' 15"	2339.68	90° 01'	2339.68
CORNER		DEFL RIGHT			
I	78° 27' 35"	156° 55' 10"	134.93	87° 27'	134.80
	DEFL RIGHT				



SET NE CORNER OF SEC. 7 AT PROPORTIONED
INTERSECT OF TWO LINES ACCORDING TO
DOU. PROP. METHOD IN MANUAL.

TURNED \angle FROM B THRU "C" TO NEW POINT

NE COR 7 $7^{\circ} 59' 50''$
LH $- 5^{\circ} 59' 15''$ $\angle = 2^{\circ} 00' 35''$
R.H. DOUB $358.50'' = 1^{\circ} 59' 25''$
PTC $\frac{1}{2}$

$\angle = 2^{\circ} 00' 00''$ 4250.92 $92^{\circ} 54'$ 4245.47

CALCULATED POSITION OF 1/4 CORNER AND
BEGINNING PT OF SURVEY FROM NE COR SEC 7

SET BEGINNING POINT

PT X

$25^{\circ} 51' 40''$ $627.50''$

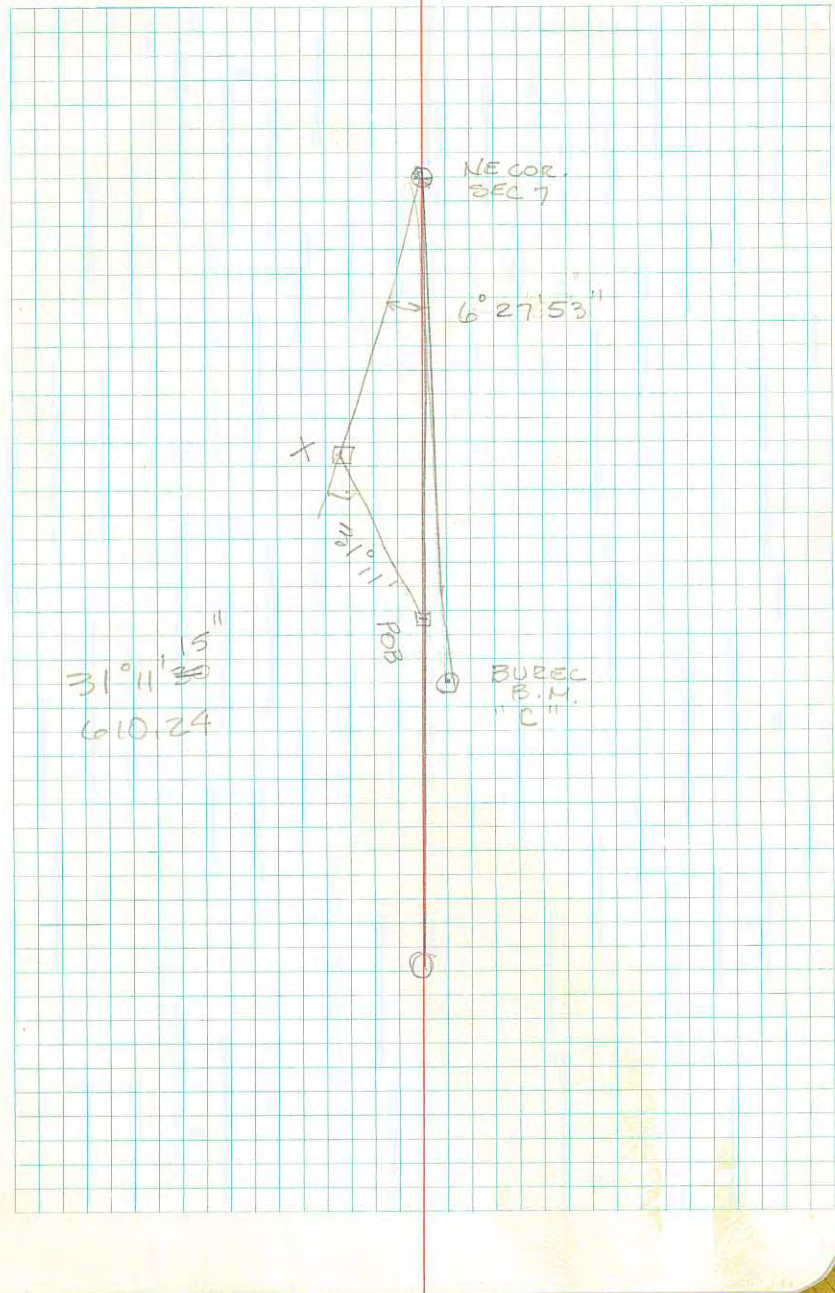
LF $19^{\circ} 23' 50''$ $\angle = 6^{\circ} 27' 53''$ INT. RIGHT

RF $12^{\circ} 55' 50''$ $627.55''$ 2943.16 $88^{\circ} 04'$ $\odot 2941.48$

RF $6^{\circ} 28'$
INT. RIGHT

268

CORNER 7



18 MAY 79

WREN, CLEAR

HUDSON PC

WARD T

PERIMETER OF COUNTY PROPERTY
HYRUM RES. BY DESC.

SET POB (SEE PREV. PAGE) B.S. ON NE CORNER SECT

TURN 90° WEST AND GO 26.7 TO TRUE POB

105°38'05" 105°04'

POB

00°24' 315.21 898°51' 311.45 311.75
DEFL R

F

142°18' 297.41 93°50' 296.74 608.5

E

00°00' 372.89^A 85°40' 371.44

D

87°42' 181.20 74°41' 174.76
546.2 546.2

C

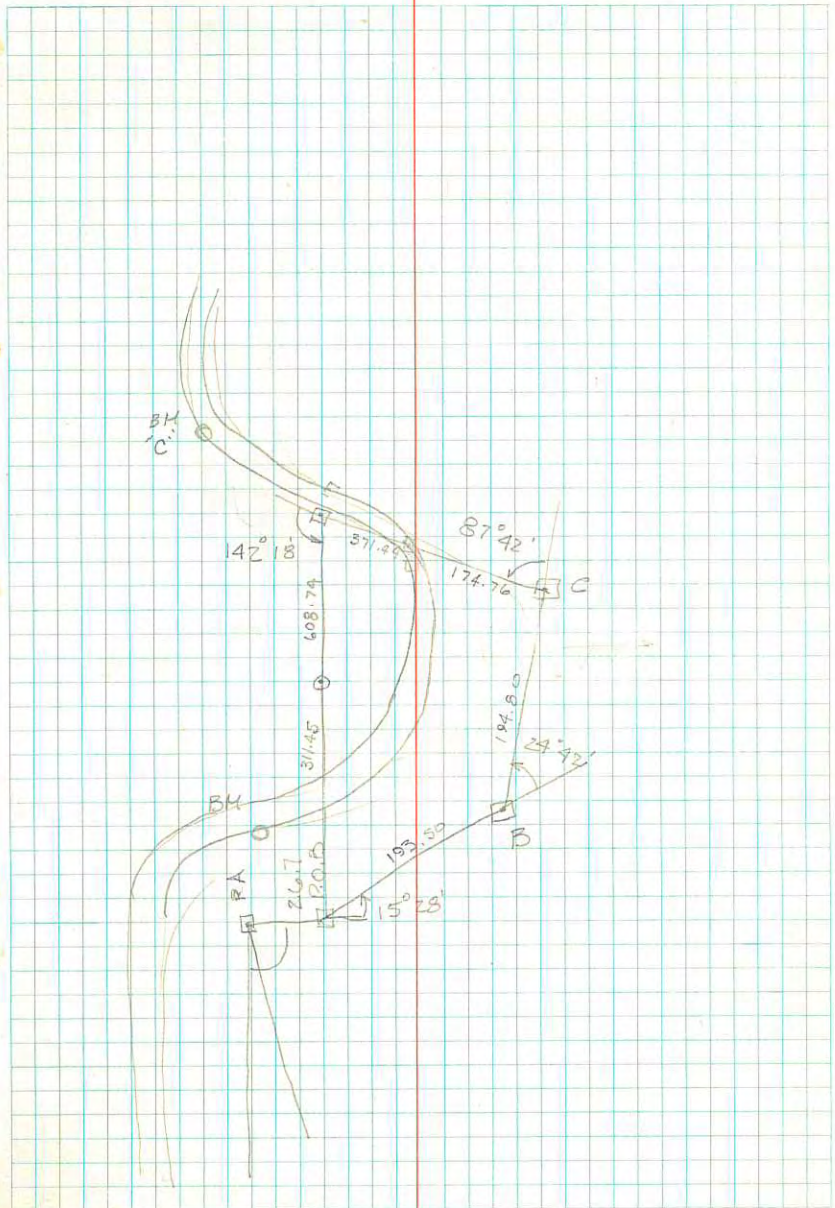
24°42' 194.90 88°14' 194.80

FB

15°28' 193.53 89°40'^{04'} 193.50 193.50 s

PGB

DEFL. LEFT



AIRPORT RD CULVERTS

14 MAY 79 AT BENSON RD INTERSECTION

HUDSON RC.

WARD T.

SHOT

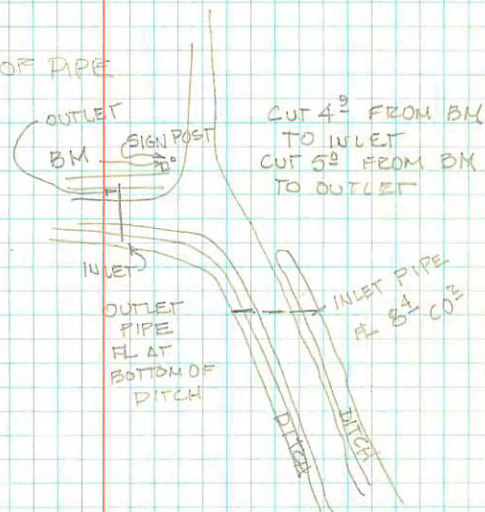
		FL		
INLET #1	7 ⁹⁰	# 8 ⁹³ 8 ¹⁶	7 ⁸ 8 ⁴	7 ⁸⁸ 8 ¹⁶
OUTLET #1	8 ⁴⁰	# 9 ³⁸	8 ⁴ 8 ⁵	8 ⁵
INLET #2	8 ²⁰	# 9 ³⁸	8 ⁴ 8 ⁶	9 ¹⁴
OUTLET #2	8 ⁵⁴		8 ⁵ 8 ⁷	
BM	3 ⁶⁸	CUT 4 ² FROM BM TO INLET PIPE #2		
BY SIGN POST NW CORNER OF INTERSECTION		CUT 5 ² FROM BM TO OUTLET PIPE #2		
	8 ⁰⁷	TOP OF OLD PIPE AT OUTLET	CUT 0 ⁶	
	7 ⁷²	TOP OF OLD PIPE AT INLET		

45

CUT

0⁵²

OF DITCH = # OF PIPE



FROM TOP OLD PIPE TO # NEW PIPE

16 MAY 79

AUTORANGER CALIB. CHK

HUDSON

WARD

TRANSFERRED TO AUTORANGER CAL. BOOK

	A	B	C
--	---	---	---

INST ON A

MIRRORE ON B 99.89 90°32' 99.88

MIRRORE ON C 552.14 90°20' 552.13

INST ON B

MIRRORE ON C 452.14 90°13' 452.14

" ON A 100.04 89°47' 100.04

$$\text{AVE A-B} = 99.96 = \text{MA}$$

$$\text{AVE B-C} = 452.20 = \text{MB}$$

$$\text{AVE A-C} = 552.12 = \text{MC}$$

INST C

M ON A 552.12 89°51' 552.12

M ON B 452.26 89°54' 452.26

$$\text{MC} - (\text{MA} + \text{MB}) = 552.12 - (99.96 + 452.20) = -0.035'$$

-0.035'

7.04'

46

$$1.04 \frac{\text{ft}}{\text{X}}, 3048 \frac{\text{M}}{\text{ft}} = -0.02 \text{ M}$$

PT C

4250.92 92°54'

1°59'25" ^Q 3 58 502°00'00" ^{LH} 5 59 15

2°00'35" 7°59'50'

CORNER →
NE COR 7

DECL LEFT

RERUN OF LINE FROM SE COR 7 TO NE COR 7

17 MAY 79

WARM, CLEAR

HUDSON PC

1-79-010

WARD T

SEE 1-79-008

B

1475.38 269°48' 1475.37

FL 283°53'

FL 212°55' 10"

FF 141°57'30" 70.9792

70.9799 70°58'48"

RF 70°58'50" 70.9806

70°58'15"

DEFL RIGHT

A

1347.89 265°43' 1344.12

LF 290°55'00"

727.361°

LF 218°10'50"

FF 145°26'30" 72.7208°

72.7259 72°43'33"

72°43'45"

RF 72°43'15" 72.7208°

DEFL LEFT

CDR

REDUN CONT.

NECOR 7
SEC COR

3480.37 267°57' 3478.14

FL 357°23'15" 89.3675°

FL 268°02'

89.3480° - 89°20'53"

FL 178°40'50" 89.3403°

89°20'49"

FR 89°20'10" 89.3361°
DEFL L

POB

1272.55 89°30' 1272.50

FR 353°10'00" 88.2875°

P 264°52'45"

88.1735 88°29'17" = 88°17'30"

FL 176°35'10" 88.2931° 88.1729

88°29'17"

FL 88°17'40" 88.2944°

INTERIOR LEFT

B

TOTAL NORTH 5352.77 W 19.51'
LINE = 50°12'32" E
5352.79'

40615
718

MONUMENTATION CORNER # 17
TION RIE

SET CORNER BY DOUBLE
PROPORTION METHOD AS DESCRIBED
ON PAGE THIS BOOK.

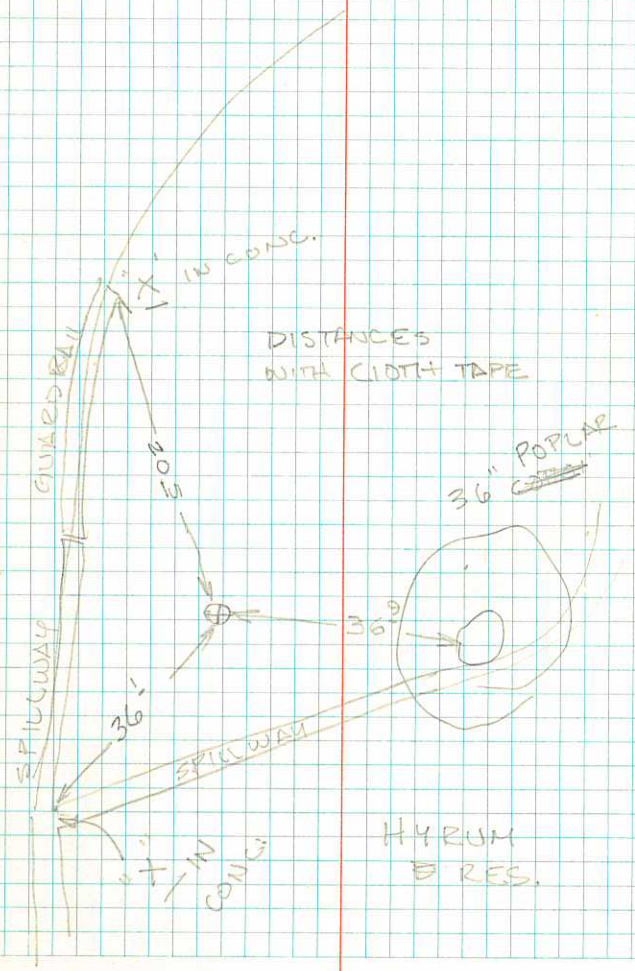
SET A BRASS CAP ON 2" STEEL PIPE
IN CONCRETE 2' DEEP

WITNESSED AS SHOWN

SECTION CORNER # 177

AN

- NOTE, CAP IS LEANING
TO NORTH IN CORRECT LOCATION.



DISTANCES
WITH CLOTH TAPE

HYRUM
RES.

28 JUNE COUNTY PROPERTY WEST
 HUDSON OF SMITHFIELD. HOT, CLEAR
 JOB No. 1-79-011 TH43
 SEE 1-79-004 AUTORANGERS
 PPM.40

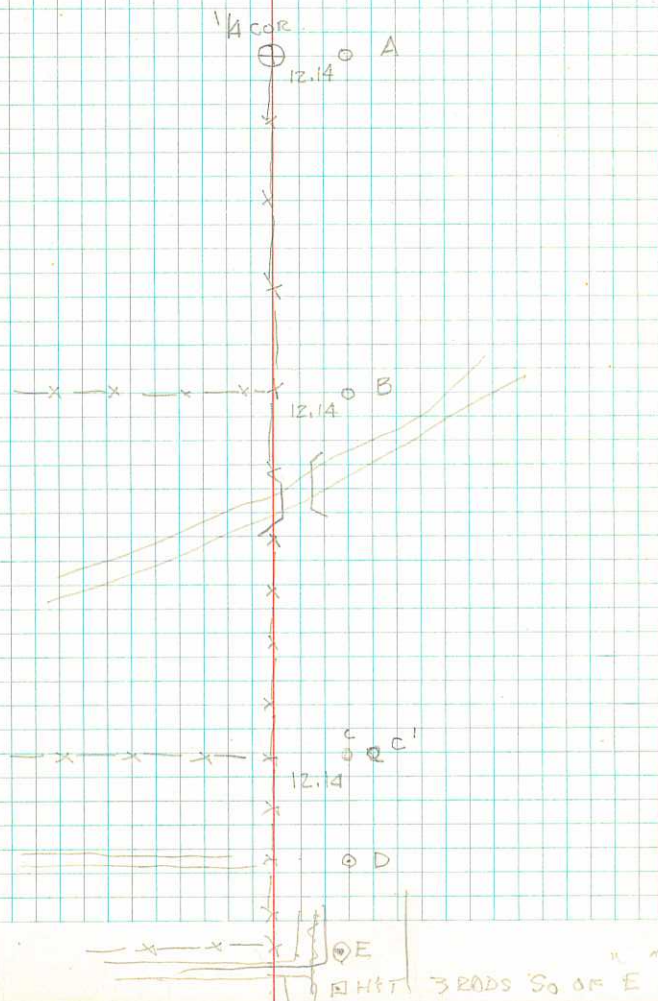
SET UP ON EAST 1/4 CORNER SEC 29 SET
 OFFSET IN ROAD SHLDR 12.14' EAST OF
 MONUMENT.

ALSO SET OFFSETS AT B AND C

E	671.10	269°52'		
			336.85	
D	334.25	269°55'		313.5
C'				
	1010.55	270°11'	1010.55	990,
B				
	805.62	269°51'	805.62	REC = 792
A				

42.67

↑ N 805.62 52



28 JUNE
HUDSON

NE CORNER SEC 29
T13N R1E

HOT-96

CLEAR

TH 43

AUTO RANGER

PPH=40

WORKING BACKWARD FROM SMITHFIELD
CITY PROPERTY TO SEC. CORNER.

USE FENCE ON WEST SIDE OF ROAD
AS ROAD LINE, USING FENCE ON
NORTH SIDE OF ROAD AS ROAD LINE

RECORDED

SET A HUB & TACK ON PT "C" HUB IS 40.7
FT NORTH OF MOUNT. FEUL BURIED CABLE
SIGN AND # 5' EAST OF DITCH

C

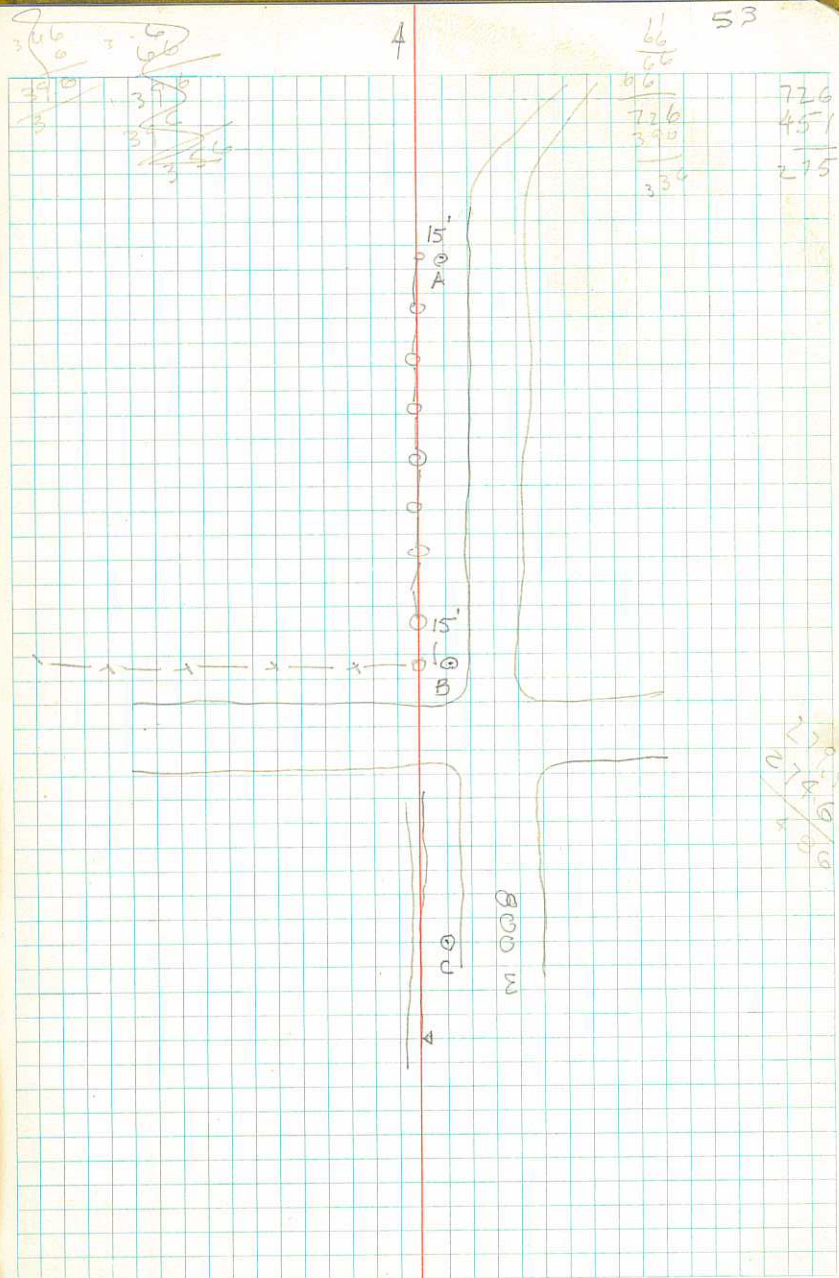
274.67³ 270°10' 274.63 274.63

B

A

451.37 269°53' 451.37 390.0

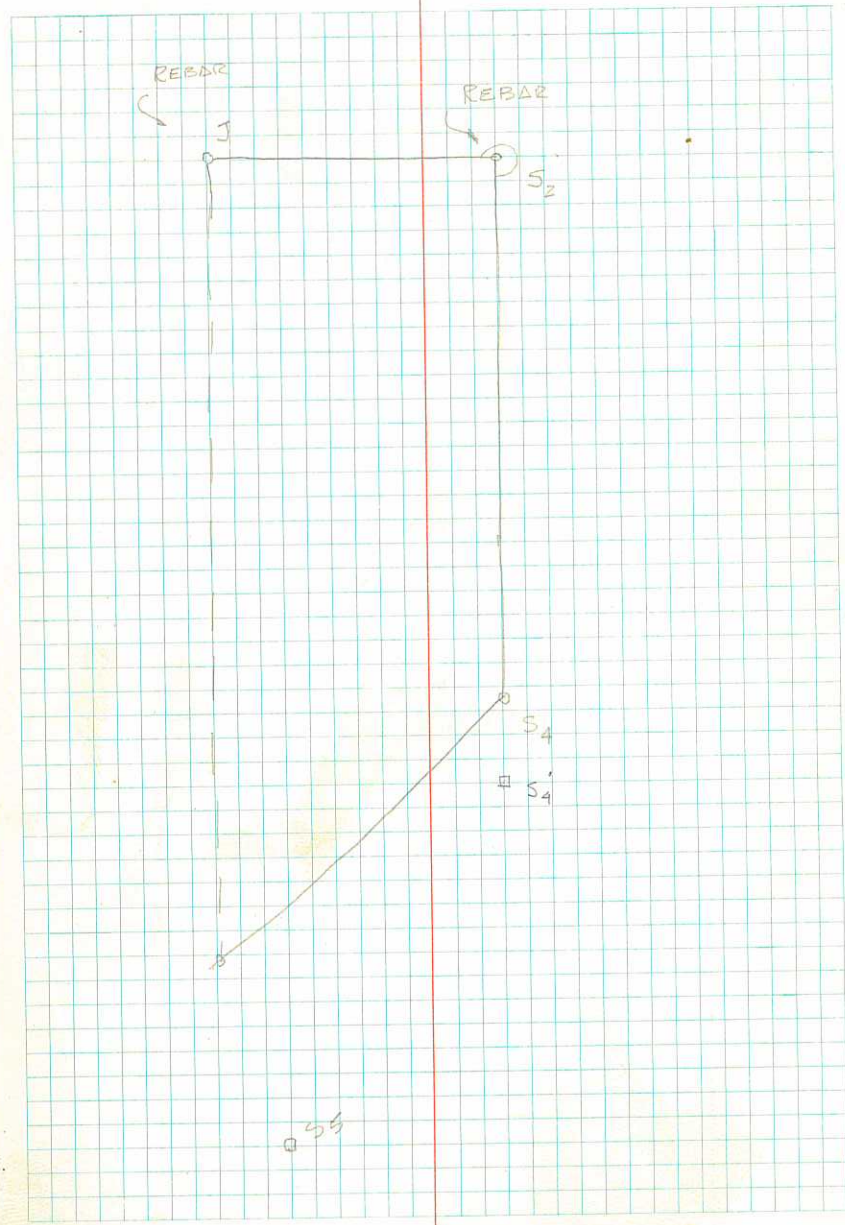
B



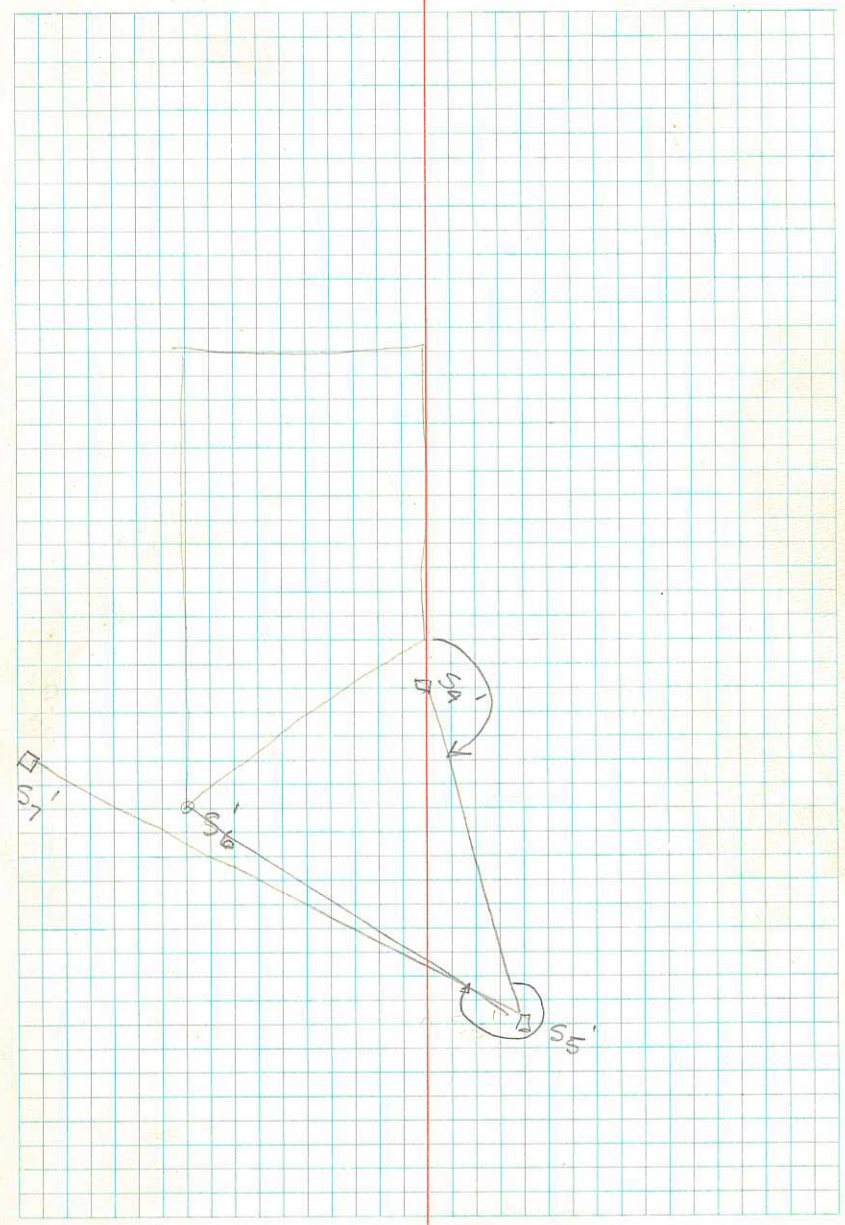
5 JULY 79 RERUN OF SMITHFIELD
 HUDSON GRAVEL PIT
 WARD SEE PAGE 26 FOR FIRST RUN

All 4 ARE TO RIGHT JOB 1-79-006
 START AT REBAR AT CORNERS TO EA WEST
 AND RUN N, E, SE AND WEST TO CLOSE,
 B.S. ON J TURN 4 TO S₄

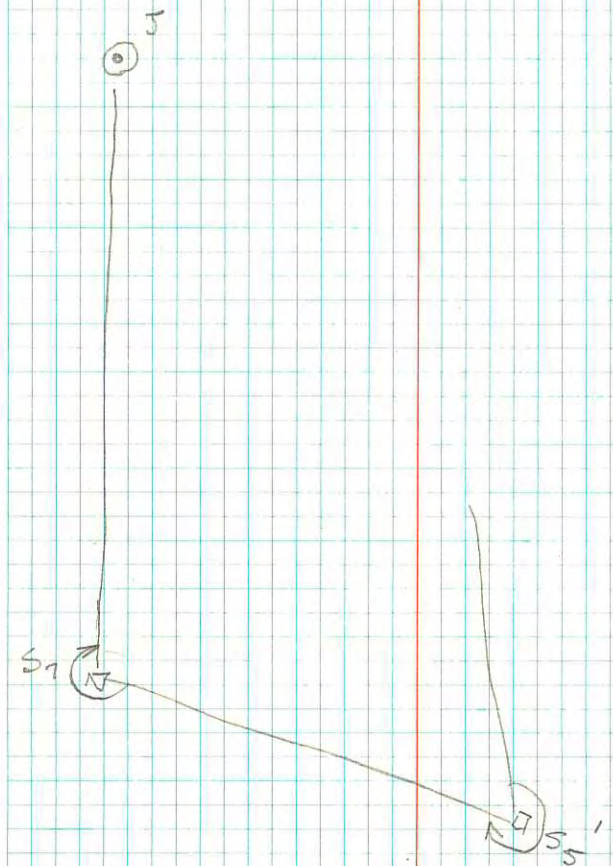
S ₄ CORNER					
	88.17	250° 00'	82.85		
S ₄ '					
S ₄ '					
DIST	269° 32' 18"	672.03	81° 54'	665.33	82.85
				270 32 12	
				90.3300	
2 ND FR	180 00 12	179 59 12			
				→ 269 32 24	
1 ST FR	89 32 12	270 32 12			
					269° 32' 18"
FL	269 32 12			269 32 12	
S ₂					
	330.59	265° 41'	329.65		
J					



S ₆ '	DISTANCE	305.59	256° 40'	297.35
CLOSE HORIZON				
		180 00 00		
2ND FR		180 00 00		
		+360	306° 26'	
1ST FR		233 34 00		
			<u>306° 26.07"</u>	
2ND FL		306 26 15		
1ST FL		0° 00' 00"		
S ₅ '			69	
DIST.		346 48 10	577.70	83° 00'
				<u>573.38</u>
			166° 48 10"	360° 00' 00"
		180 00 00		
		222° 36' 10" + 360		
TRIPLED		180 59 30		
		28° 24' 10" + 93° 12'		
		346 48 + 360		
DOUBLED		346 48	194 12 07	
			<u>193 11 55</u>	
1ST		194 12 10		
		193 11 50		
S ₄ '				



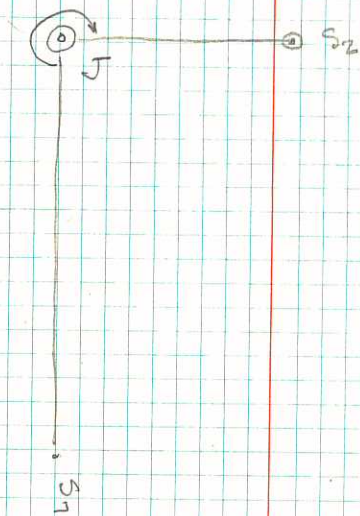
J				
DISTANCE		875.23	265° 36'	<u>872.65</u>
HORIZON CLOSE	309 40 10		359° 59' 15"	
		129° 40' 10"		
2 ND FR	180 00 30		359° 59' 15"	
		230 19 10		
1 ST FR	309 40 50		<u>230° 19' 05"</u>	
2 ND FL	230 19 00			
		230 19 00		
1 ST FL	0° 00'			
S ₆				
S ₇				
DISTANCE		495.71	257° 18'	<u>483.58</u>
CLOSE HORIZON	124° 10' 30"	55° 49' 30"	359° 59' 40"	
			39' 55"	
2 ND FR	180° 00' 00"			
		304° 10' 10"		
1 ST FR	235° 49' 50"			
		<u>304° 10' 20"</u>		
2 ST FL	304° 10' 30"			
		304° 10' 30"		
1 ST FL	0° 00' 00"			
S ₅				



TOTAL ERROR OF CLOSURE = $\frac{.41}{5} = 1:6000$

ANGULAR ERROR OF CLOSURE = $1'27''$

S_2			
DISTANCE	330.79	$274^{\circ}51'$	<u>329.60</u>
PROCESSION ANGLE	$278^{\circ}15'00''$	$359^{\circ}59'45''$	329.6
	$180^{\circ}00'20''$		
2 ND BK	$180^{\circ}00'20''$		
		$261^{\circ}44'30''$	
1 ST BK	$278^{\circ}15'30''$		
		<u>$261^{\circ}44'45''$</u>	
2 ND FL	$261^{\circ}45'$		
		$261^{\circ}45'$	
1 ST FL	$0^{\circ}00'00''$		
J			



133°13'34" 214.87' 61

FROM FORGOING TRAVERSE CALC. BEING
AND DISTANCE TO CORRECT LOCATION OF
SMITHFIELD CITY PIT.

FOR S₈ (PAGE 26) ~~ALSO~~

SET ON S₇ B.S. ON "J" AND TURN
C.W. 139°32'53" 251.67'
126°01'26" 186.38

PT S₆ SHOULD BE N .12'
W .09'

CORNER S₄ SHOULD BE SOUTH .10'
EAST .05'

FROM EXISTING POINT.

SET 5/8" x 4' REBAR ON CORNERS

SET FENCE POST BY BOTH

CONTINUATION OF SURVEY ON P. 31

THIS BOOK - SMITHFIELD GRAVEL PIT

HUDSON P.C. T.

HOT - 95, CLEAR

WARD P

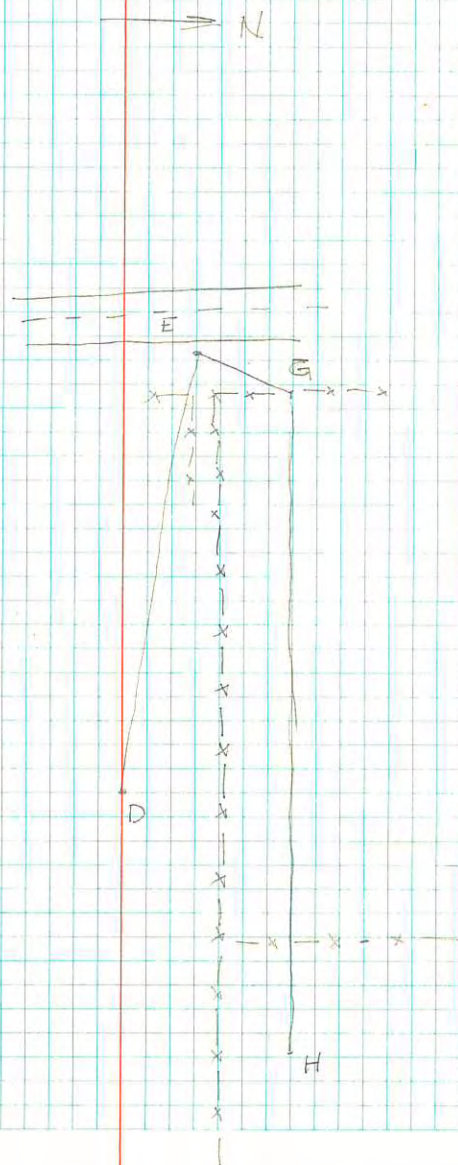
PPM=50

SEE P. 24

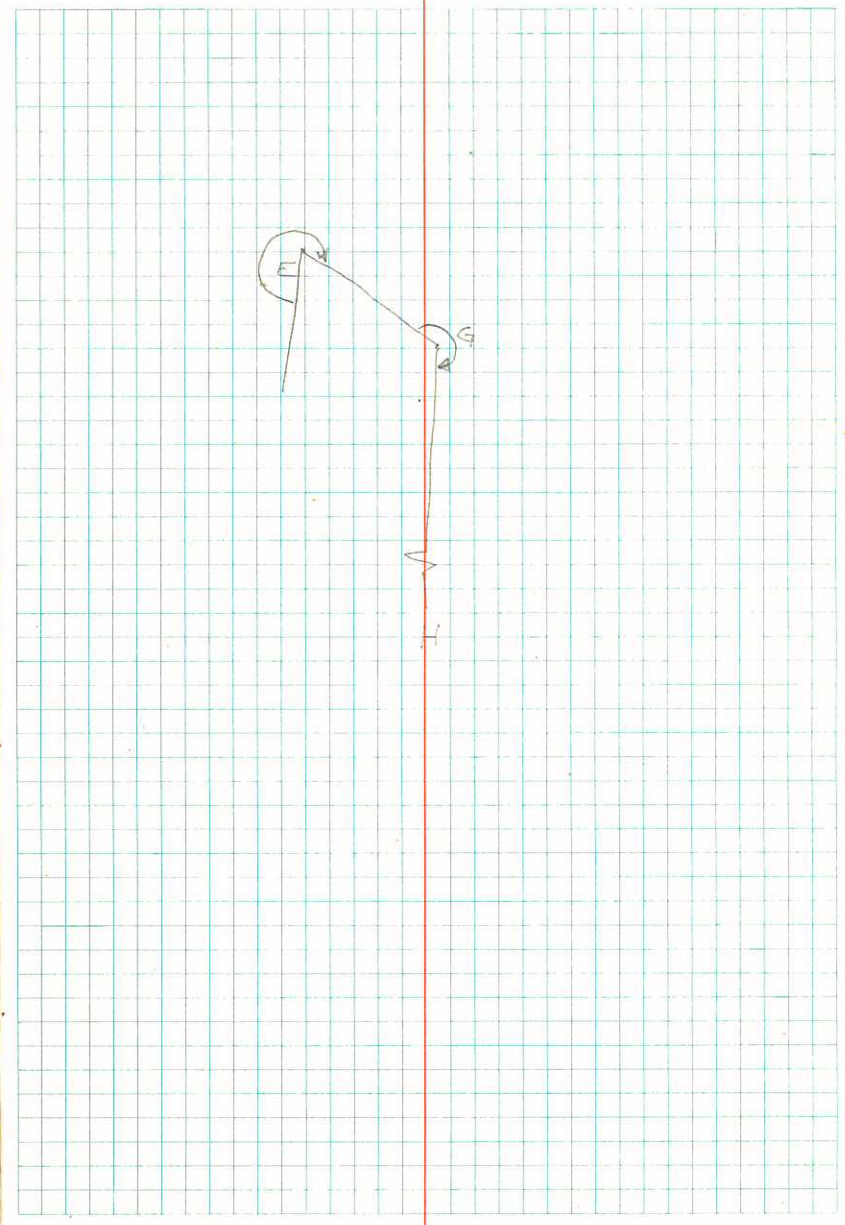
$2\frac{1}{2}$ TO RIGHT

D				
	749.11	$85^{\circ} 56'$	22 747.44	
E			USE	<u>747.33</u>
E	749.10			
DISTANCE	748.	$266^{\circ} 11'$	747.44	
	93 00 00			
	+ 360	$267^{\circ} 00''$		
CLOSE HORIZON	180 00 00			
2ND FL	180 00 30			
		$86^{\circ} 59' 56''$		
1ST FR	93 00 30			
		$86^{\circ} 59' 58''$		
2ND FL	$87^{\circ} 00'$			
1ST FL	$00^{\circ} 00'$			
D				

63



		AVE		
H	DISTANCE		1880.54	80°19' 1853.74
HORIZON CLOSE	240 52 15"			
CM	180 00 00			USE <u>1853.85</u>
2ND FR	179 59 50"			
	240° 52' 05"			
1ST FR	299° 07 45"		<u>240° 52' 25"</u>	OBS. ANGLE ←
2ND FL	240 52 45	240° 52 45"		
1ST FL	00° 00 00"			
G				
2	G			
DIST.	59.60	269° 18'	<u>59.59</u>	
HORIZON CLOSE	242° 48' 20"	6248' 20"	359° 59' 35"	
	180 00 00			
2ND FR	180° 00 15"			
	+360	297° 11' 15"		
1ST FR	242° 49'		<u>297° 11' 15"</u>	
2ND FL	297 11 15			
1ST FL	00° 00'			
E				



I,

776.34 254°33' 748.28

243°03'00"

180°00'00"

296°57'00"

243°03'00"

299

296°57'15"

296°57'07"

296°57'15"

00°00'00"

H₁

H

312.61 98°05' 309.4⁵⁰

H_i

USE = 309.44

H₁

0°00'00" 312.32 82°07' 309.37

H

G

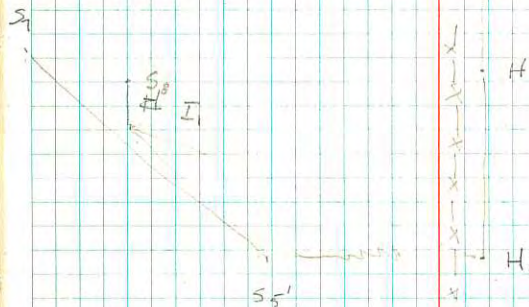
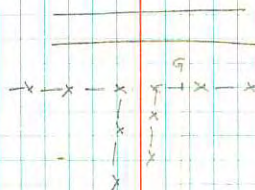
1880.29 99°36' 1853.96

H

1853.74 1853.85

65

→ N



S₅

218.34 79°52' 214.93

S₇217.48⁴ 261°44' 215.18215.00
USE

335°45'00"

S₇

+ 155°45'00" 360°00'05"

180°00'20"

204°15'10"

335°45'10"

204°15'05" USE

204°15'00"

204°15'00"

00°00'00"

I₁H₁

775.84 74°36' 747.98

I₁748.28 748.13

USE

COMPLETE TRAVERSE TAKEN FROM
 PAGES 31, 32, 57 - 69 THIS BOOK
 ALL OTHERS VOID
 BEGINNING PT TAKEN FROM
 PAGES 19 - 23

SURVEY 610 ERROR OF CLOSURE = .81' = 1:6300
 UNADJUSTED.

J 875.21 265° 41'

313° 13' 40"

359° 59' 30"

133° 13' 40"

180° 00' 00"

180° 00' 15"

226° 45' 50"

313° 14' ¹⁰~~00~~"

226° 45' 55"

226° 46' 00"

226° 46' 00"

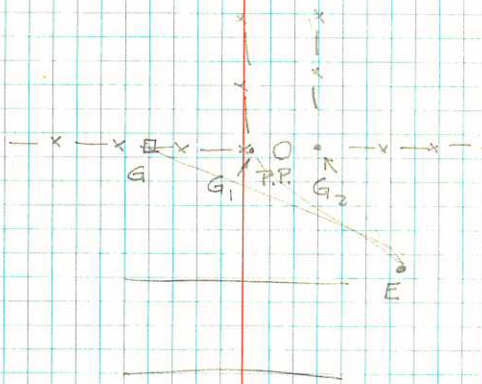
00° 00' 00"

S₁

10 JULY 79 SMITHFIELD GRAVEL PIT

SETTING CORNERS ON HW ROOF

			G ₁	
G ₂	27.78		46.99'	
	27.93		E	
E				
FR				
G	180°00'00"	180°00'20"		
G ₁	172°16'40"	33°25'20"		
G ₂	147°17'20"	146°35'	33°25'32" G ₂	
FL				
G ₂	324220	33°25'45"	33°25'45"	
G ₁	7.4350		7°43'45" G ₁	
BSON G				



G₁, G₂ ARE CO. PROP. CORNERS

11 JULY 79 SMITHFIELD GRAVEL PIT

SETTING NE CORNER OF CO. PROPERTY

FROM PT H TURN $86^{\circ}28'$ CCW
AND GO 14.4' TO FENCE. THEN GO
EAST 30' TO MAKE RECORD DISTANCE.
SET BRASS CAP ON PIPE 1.8" IN GROUND
WITH MARKED AS SHOWN

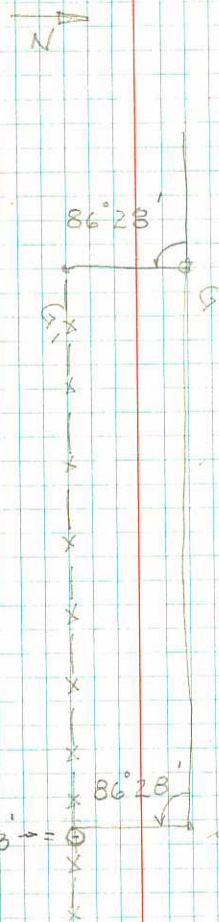
CO. GRAVEL PIT
+
NE COR

SET BRASS CAP ON 2" STEEL PIPE 2' IN
GROUND IN CONCRETE ON BEGINNING PT.
MARKED AS SHOWN

CACHE COUNTY
GRAVEL PIT
+
PT OF BEG.

SET $4' \times 5/8''$ REBAR AT ALL OTHER CORNERS

69



13 JULY 79
 HUDSON P.C.
 WARD X

SETTING 1/4 CORNER BETWEEN
 T13N SEC 36 R1E WARM, CLEAR
 T12N SEC 1

SET ON PT ON LONG HILL B.S. ON SW COR 36
 TURN FOLLOWING X AND DIST. TO SEC COR 36

LONG HILL

6126.29 260°59' 6050.58

PIPE ON
 RIDGE

6050.54

6126.76 80°57' 6050.49

124 13 00

2ND FR 179 59 40

304 12 45

1ST FR 124 13 05

304 13 25

2ND FL 304 13 40

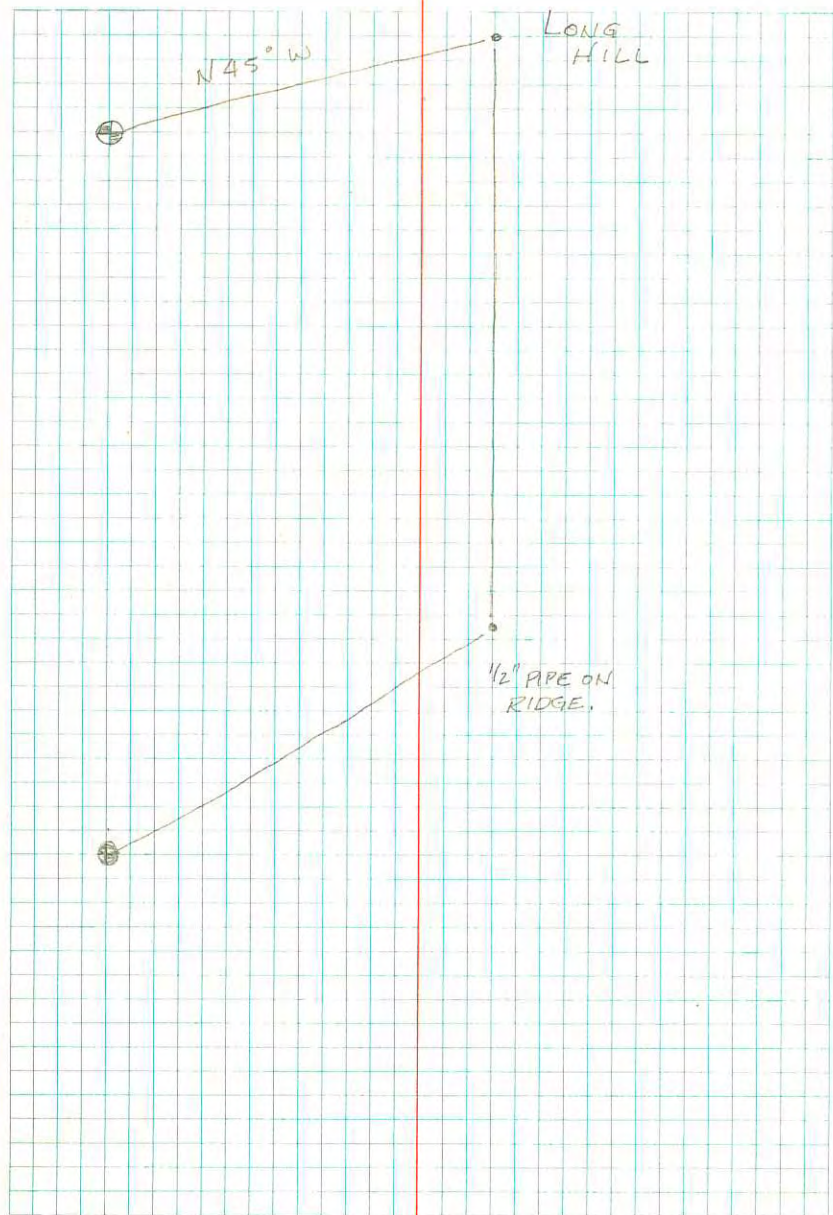
304 13 40

1ST FL 00° 00' 00"

SEC COR. TRCV LONG HILL

N

71



PT ON
LONG HILL

1839.31 84°56' 1832.12

S.W. COR.
SEC 36

CORNER

1266.63 250°51' 1196.54

78°52'00"

179°59'30"

258°51'30"

78°52'00"

258°51'48"

PT OF RIDGE 258°52'05"

A

258°52'05"

THEY

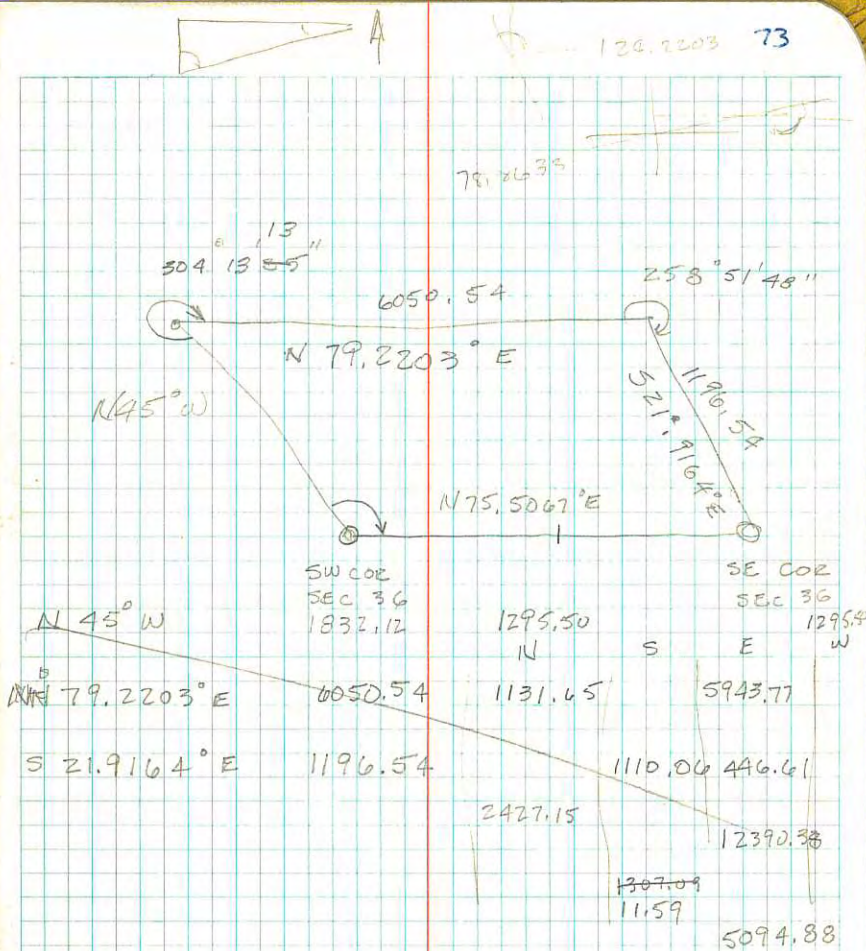
00 00 00

LONG HILL

S

	N	S	E	W
N 45° W	1832.12	1295.50		1295.50
N 79.2203° E	6050.54	1131.65	5943.77	
S 21.9164° E	1196.54		1110.06	446.61
	2427.15	1110.06	6390.38	
			1295.50	
	1316.99		5094.88	
	5262.34	75,5067°		
	120° 30' 24"			

FROM SW COR SEC 36 B.S. ON PT ON LANG HILL
 TURN & TO RIGHT 120° 30' 24" GO A DISTANCE
 OF 2631.17' TO "4 CORNER



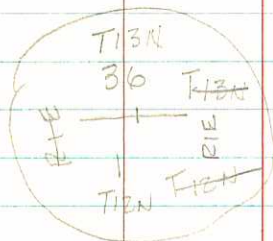
13 JULY 79 MONUMENTATION OF 1/4 COR

SEC 36
BET. 1

SET CORNER 2631.17' EAST OF SW COR SEC 36
7' FROM PT ON LONG HILL OF $120^{\circ} 30' 24''$
SEE PREVIOUS PAGE.

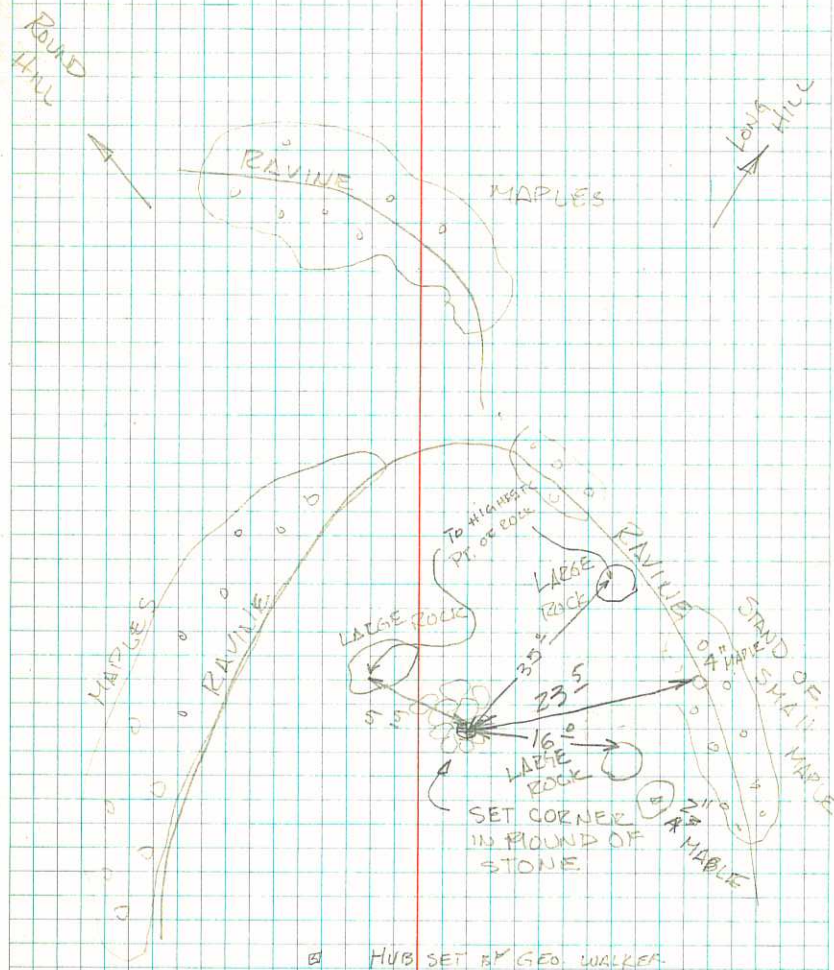
SET CO BRASS CAP IN CON. GROUND ON
 $1\frac{1}{2} \times 2\frac{1}{2}$ " STEEL PIPE SET IN GROUND 14" WITH
30 P NAIL BELOW MONUMENT.

MONUMENT MARKED AS SHOWN
REFERENCED AS SHOWN ON RIGHT



→ N

74



WEST FACE OF CEDAR HILL

78.95
6.93
22.5

25
60

X
100
3.1%

76.40
4.20
81.00

2425.00
- 904.64
1520.36

88.24

2.16

25.57

2.69

92.25

.03/1

24'

.03

.72

88.24

4.50

92.74

89 11 68
89 28 68
90 00 68
90 44 06
90 00 06

90 44 06
90 00 06

91 21 68

02 42 06
180 00 08
02 00 08

W 2428
N 633.4



96.5
96
96

103
97
6

103
96
5
6

103
96
6

6

97 degrees
96.5
96

103
96

6 - FRONT

6 - MIDDLE

6 - FENCE

