

2

NORFOLK COUNTY  
ENGINEERS DEPT.

No. 522

F.B. 522

COUNTY OF NORFOLK  
ENGINEERING DEPT.  
649 HIGH STREET  
DEDHAM, MA 02026

781-461-6128

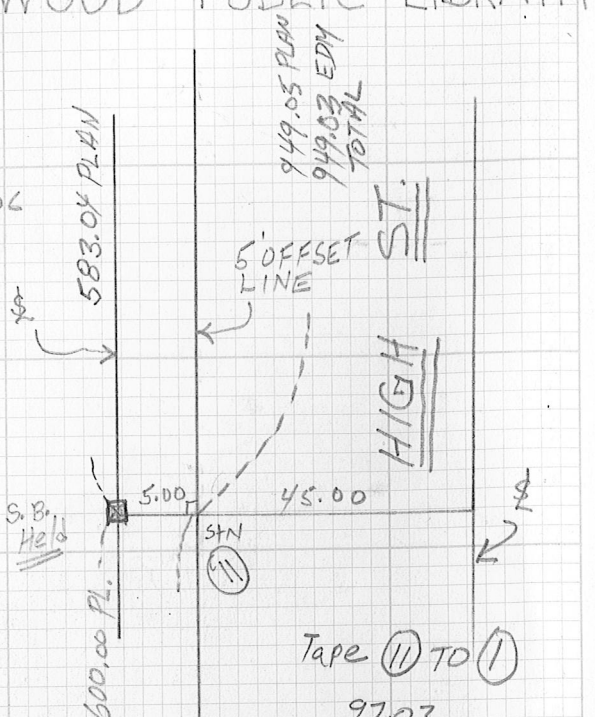
522/1

# WESTWOOD PUBLIC LIBRARY

2/522

T=60°  
B.P.R.=29.8  
V.D.=949.05  
ZENITH 90-21-06  
H.I.D.=949.03

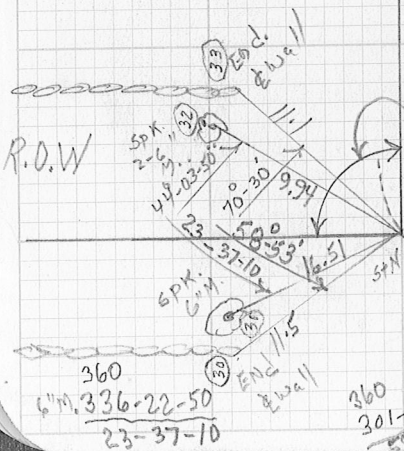
SEE ALSO  
N.B.345 Pg.2  
N.B.334 Pg.6



Tape ⑩ TO ①

97.03	53.65
99.81	60.8
196.84	114.45
	60@114.4

①  
90-15-34<sup>102</sup>  
269-44-22 x 02  
359-59.56

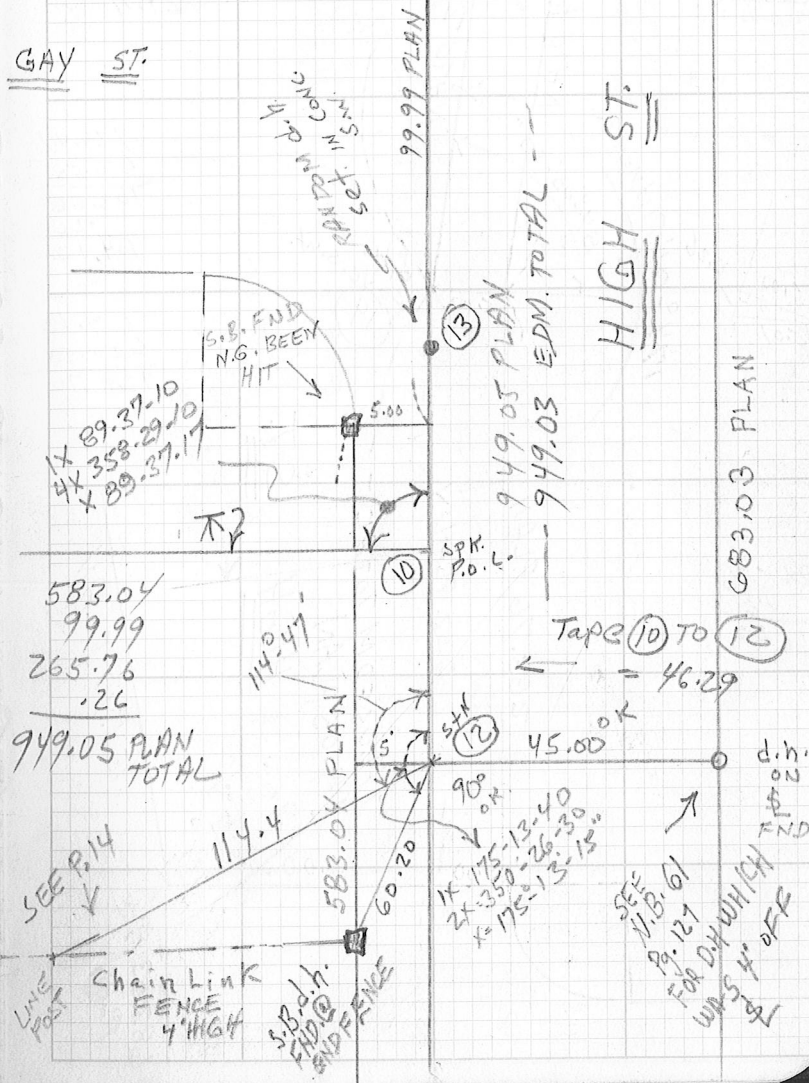


360  
301-07  
58-53

# SURVEY FOR PARKING LOT EXPANSION

NOV. 8 1989  
W. SIMPSON  
P. GENITTI  
E. KELLY

GAY ST.



583.04  
99.99  
265.76  
.26  
949.05 PLAN TOTAL

Tape ⑩ TO ⑫  
46.29

SEE N.B. 61  
FOR DAY WHICH  
WAS 4' OFF

3



6/522

Inst.      Tape      Wthr & Temp.      Date      Curr

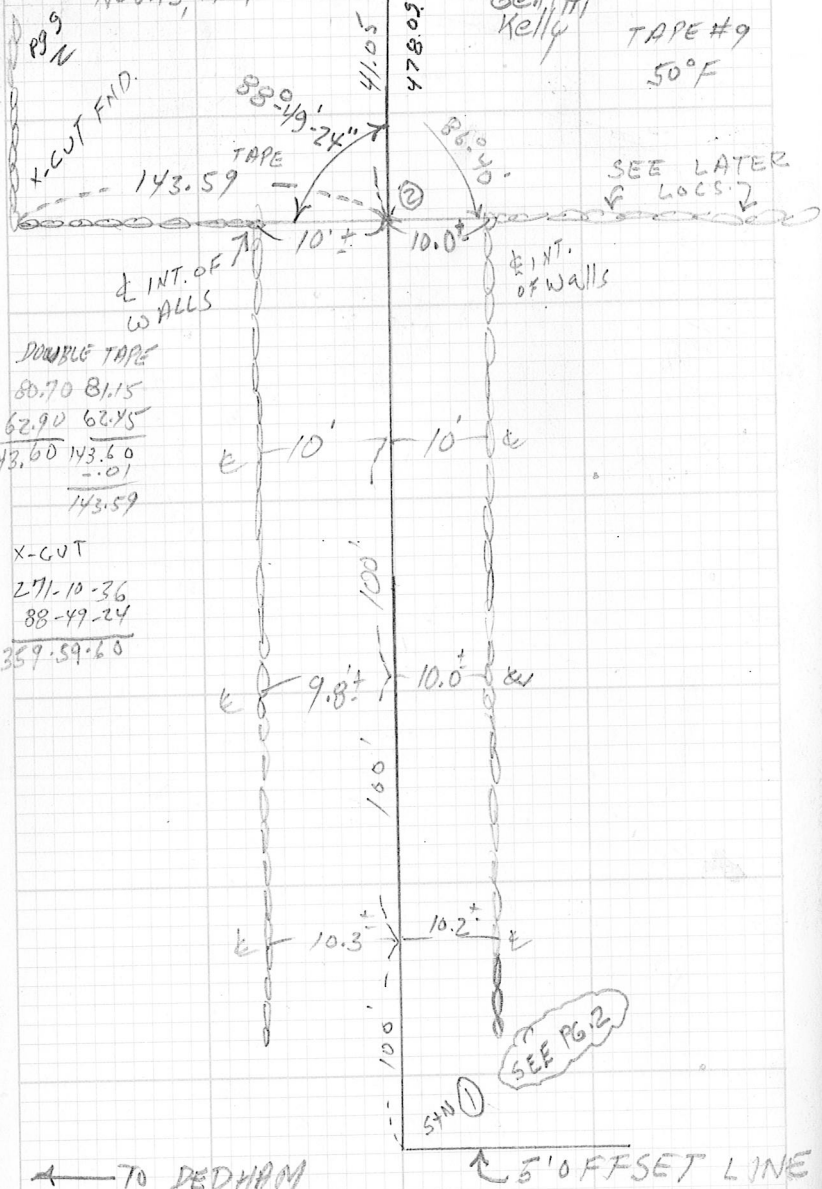
Inst.      Tape      Wthr & Temp.      Date      Curr

7  
1/2/52

# WESTWOOD PUBLIC LIBRARY

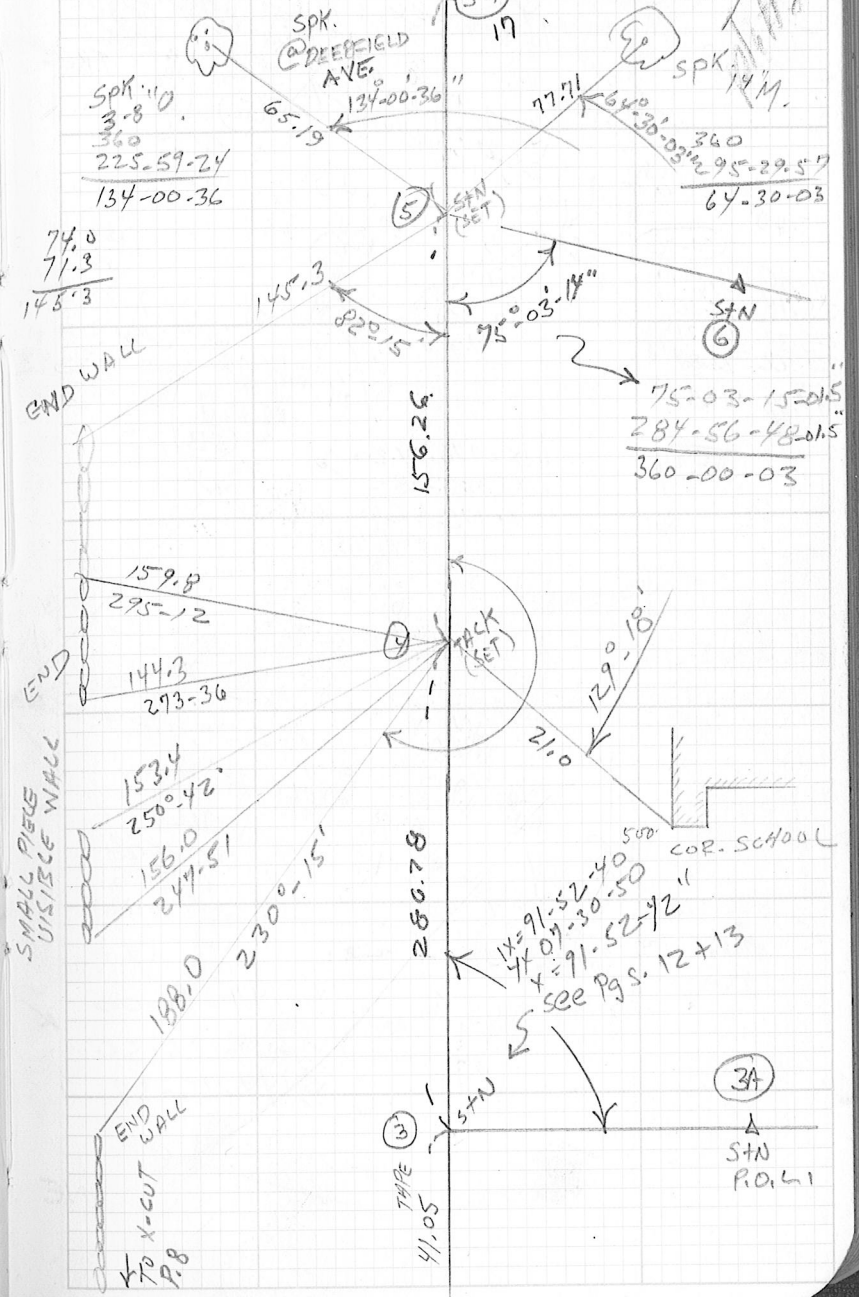
NOV. 13, 1989

SIMPSON  
Gen. #  
Kelly  
TAPE #9  
50°F

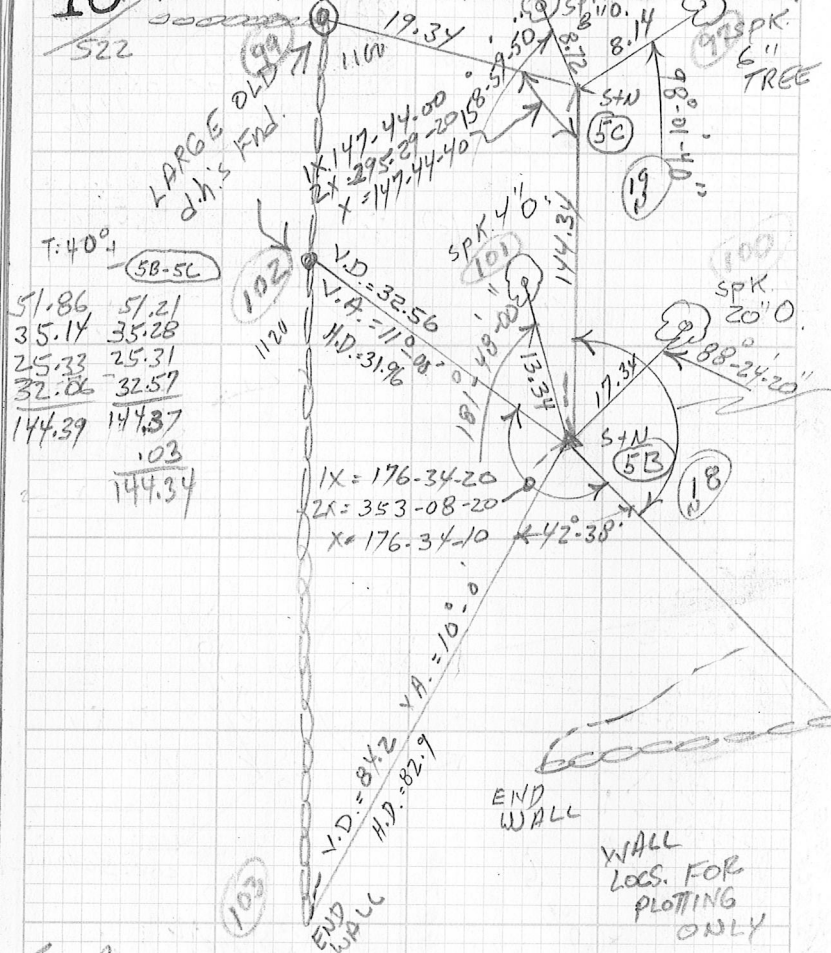


# SURVEY FOR PARKING LOT

522 9



10 WESTWOOD PUBLIC LIBRARY



T: 40°  
 51.86 51.21  
 35.14 35.28  
 25.33 25.31  
 32.86 32.57  
 144.39 144.37  
 .03  
 144.34

← ASP. PARKING AREA →  
 K&E #4  
 1X = 149-37-00  
 4X = 238-26-30  
 X = 149-36-37

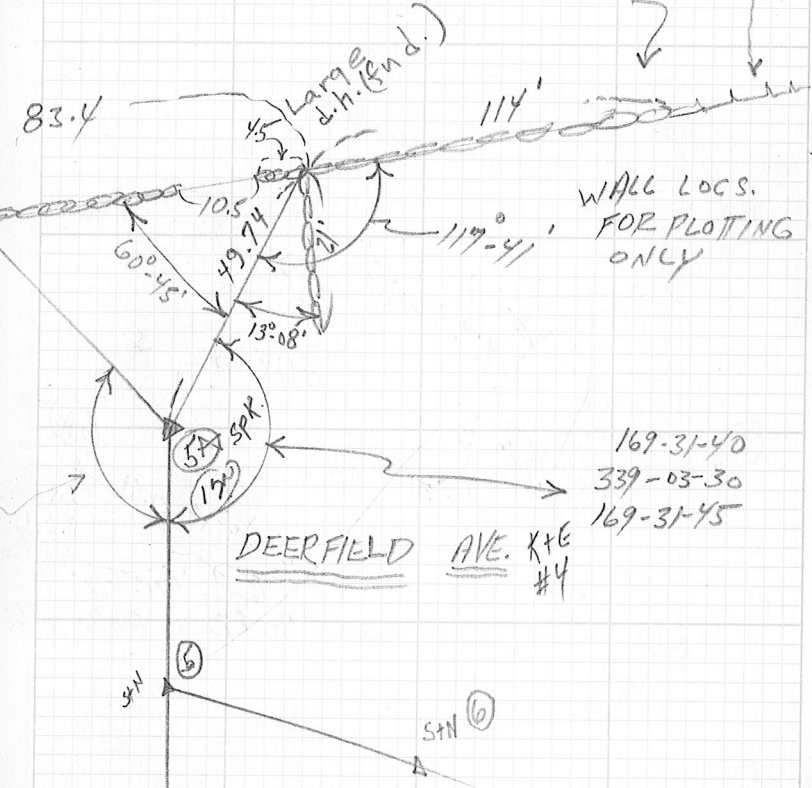
11 SURVEY FOR PARKING LOT

NOV. 13, 1989  
 T = 40°

SIMPSON  
 Genitti  
 Kelly

1X = 152-13-00  
 2X = 304-26-10  
 X = 152-13-05

STONE RET. WALL BUILT FROM OLD BALANCE WALL  
 End of Balance Wall



WALL LOC. FOR PLOTTING ONLY

DEERFIELD AVE. X&E #4

169-31-40  
 339-03-30  
 169-31-45



WESTWOOD PUBLIC LIBRARY - SURVEY FOR PARKING LOT

12/522

74.96  
70.83  
145.79 call 145.8

73.2  
56.4  
129.6

DEERFIELD

AVE.

63.02	63.70	18.57	18.57
44.18	43.51	52.95	53.48
		77.40	76.87
		148.92	148.72
1x 136-11-40	107.20	1x 187-50-00	-1.03
2x 272-24-20	107.18	2x 15-40-20	148.89
X= 136-12-10		X 187-50-10	

END WALL

LARGE d.h. (FND.)

S.B. d.h. (FND.)

End Fence

S.B. d.h. (FND.)

SEE PG. 23 FOR WALL LOCATIONS

1x 36-19-10  
2x 72-38-20  
X 36-19-15

349.52

vert. SPR. 16" D.

1x 104-18-30  
4x 57-14-20  
X= 104-18-35

1x = 88-45-20  
4x = 355-02-00  
X = 88-45-30

total = 582.78

296.44

VERT. SPR. 4" D.

SEE PG. 22 FOR WALL & FENCE LOGS.

241.31

STN P.O.L.

total 590.83

(4)

P.9  
91°-52'-42"

AUX. B

(3)

STN P.9

(3A)

d.h. ledge 51.51

STN P.O.L.

171°-55'

(2)

STN P.8

TO HIGH 1/5

4' High Chain link Fence

END wall

# 14 WESTWOOD PUBLIC LIBRARY SURVEY FOR PARKING LOT 15

522

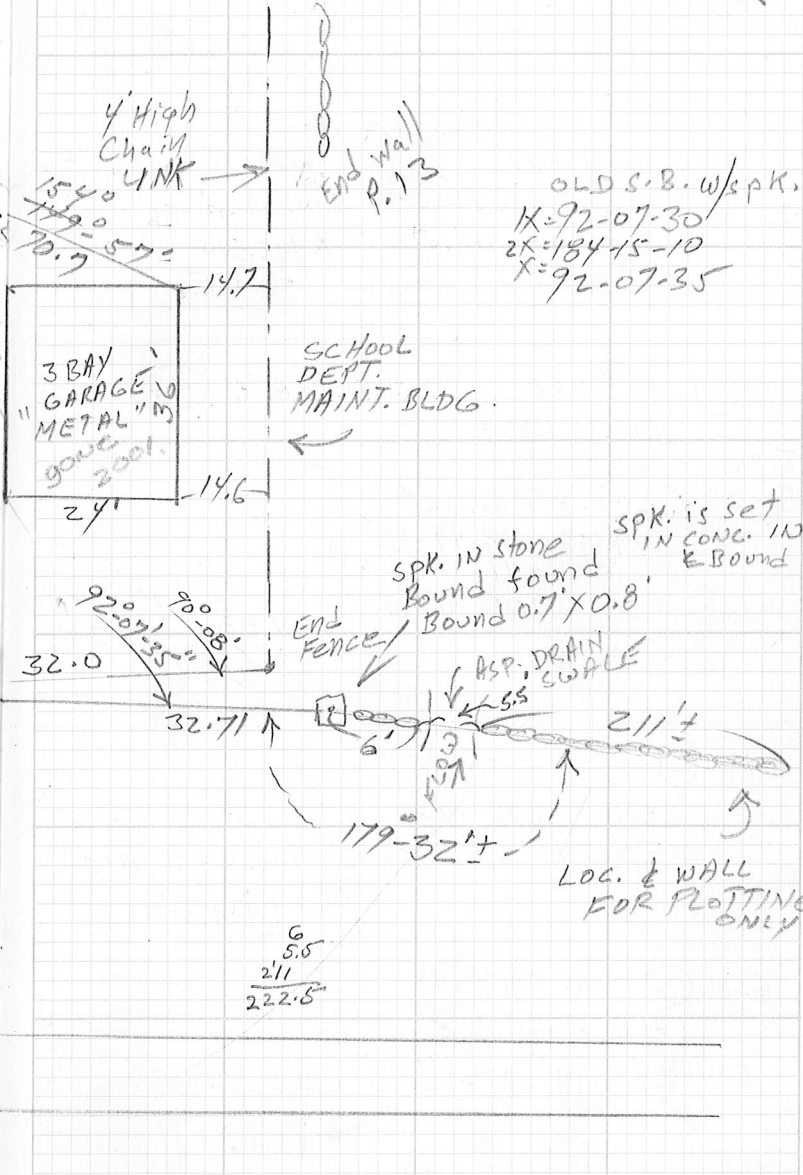
Inst. Tape Wthr & Temp. Date Crew

Inst. Tape Wthr & Temp. Date Crew



60  
85.4  
145.4

Note: IN PLACES  
ALONG THIS SECTION  
OF FENCE THE  
FENCE HAS BEEN  
HIT BY CARS  
CAUSING IT TO  
LEAN  
CONSIDERABLY  
BASE OF  
FENCE POST  
LOCATIONS  
WERE TAKEN



6  
5.5  
211  
222.5

# WESTWOOD PUBLIC LIBRARY

Inst. 16 Tape 522 Wthr & Temp. Date NOV. 8 Cr. 17

## E.D.M. - MEASUREMENTS

STN ① - SPK ⑤A

T = 48°  
BAR. 29.8

$$\begin{array}{r} \text{V.D.} = 902.510 \\ \text{ZENITH} \quad 89-13-49 +01 \\ \quad \quad \quad 270-45-57 +01 \\ \hline \quad \quad \quad 359-59-46 \end{array} \quad \begin{array}{r} \text{SIN. } 89-13-56'' \\ \times 902.510 \\ \hline = \boxed{902.429} \end{array}$$

STN ② TO SPK @ DEER FIELD AVE. ⑤A

NOV. 8, 1989

T = 48°

Bar. 29.8

$$\begin{array}{r} \text{V.D.} = 566.685 \\ \text{ZENITH} = 88-49-13 +13 \\ \quad \quad \quad 271-10-21 +13 \\ \hline \quad \quad \quad 359-59-34 \end{array} \quad \begin{array}{r} \text{SIN } 88-49-26'' \\ \times 566.685 \\ \hline = \boxed{566.566} \end{array}$$

STN ② TO STN ⑤

$$\begin{array}{r} \text{V.D.} = 478.175 \\ \text{ZENITH} = 88-55-06'' \text{ SIN. } \times 478.175 \\ \hline = \boxed{478.090} \end{array}$$

STN ② TO TACK ④

$$\begin{array}{r} \text{V.D.} = 321.885 \\ \text{ZENITH} = 88-56-36'' \text{ SIN } \times 321.885 \\ \hline = \boxed{321.830} \end{array}$$

# SURVEY FOR PARKING LOT

Inst. 16 Tape 522 Wthr & Temp. Date NOV. 8 Cr. 17

T = 50°  
BAR. 29.8

STN ⑤ TO STN ④

$$\begin{array}{r} \text{V.D.} = 590.925 \\ \text{ZENITH} = 90-57-43 +10.5 \\ \quad \quad \quad 269-01-56 +10.5 \\ \hline \quad \quad \quad 359-59-39 \end{array} \quad \begin{array}{r} \text{SIN. } 90-57-53'' \\ \times 590.925 \\ \hline = \boxed{590.842} \end{array}$$

THURSDAY NOV. 16 AM T = 67° BAR. 29.3 F

STN ⑦ TO STN ⑤

SINGLE GLASS  
REFL. LIETZ  
-30MM OFFSET

$$\begin{array}{r} \text{V.D.} = 590.915 \\ \text{ZENITH} \quad 89-03-30 -03'' \\ \quad \quad \quad 270-56-36 -03'' \\ \hline \quad \quad \quad 360-00-06 \end{array} \quad \begin{array}{r} \text{SIN } 89-03-27'' \\ \times 590.915 \\ \hline = \boxed{590.835} \end{array}$$

NOV. 16, 1989 AM

STN ⑦ TO STN ⑥

SIN 89°-15'-17''

$$\begin{array}{r} \text{V.D.} = 349.550 \\ \text{ZENITH} = 89-15-16 +01'' \\ \quad \quad \quad 270-44-42 +01'' \\ \hline \quad \quad \quad 359-59-58 \end{array} \quad \begin{array}{r} \times 349.550 \\ \hline = \boxed{349.520} \end{array}$$

NOV. 16, 1989 AM

STN ⑦ TO SPK ⑩

SIN 90°-24'-39''

$$\begin{array}{r} \text{V.D.} = 664.140 \\ \text{ZENITH} = 90-24-33 +06'' \\ \quad \quad \quad 269-35-15 +06'' \\ \hline \quad \quad \quad 359-59-48 \end{array} \quad \begin{array}{r} \times 664.140 \\ \hline = \boxed{664.123} \end{array}$$

NOV. 16, 1989 AM

STN ⑦ TO SPK ⑨

SIN 90°-21'-52''

$$\begin{array}{r} \text{V.D.} = 476.665 \\ \text{ZENITH} = 90-21-45 +10.5'' \\ \quad \quad \quad 269-38-00 +10.5'' \\ \hline \quad \quad \quad 359-59-45 \end{array} \quad \begin{array}{r} \times 476.665 \\ \hline = \boxed{476.655} \end{array}$$

18 WESTWOOD PUBLIC LIBRARY SURVEY FOR PARKING LOT 19

Inst. <sup>522</sup> Tape Withr & Temp. Date Cont.

E. D. M. - MEASUREMENTS

Nov. 16, 1989 A.M.

STN (17) to STN (8)      SIN 90°-28'-07"   
 V.D. = 303.290      X 303.290   
 ZENITH = 90-28-00 +07.5" = 303.280   
           269-31-45 +07.5"   
           359-59-45

T-41° 29.3 = BAR. NOV. 20, 1989

STN (8) to STN (3A)   
 V.D. 296.465      SIN 89-14-10 X 296.465   
 ZENITH = 89-14-09 +01.5" = 296.439   
           270-45-48 +01.5"   
           359-59-57

NOV. 20, 1989 SAME DATA AS ABOVE

STN (8) to STN (3)   
 V.D. 567.790      SIN 89-30-58 X 567.790   
 ZENITH = 89-30-51 +07.5" = 567.770   
           270-28-54 +07.5"   
           359-59-45

NOV. 20, 1989 SAME DATA AS ABOVE

STN (8) to STN (7)   
 V.D. 303.290      SIN 89-24-33 X 303.290   
 ZENITH = 89-24-36 -03" = 303.274   
           270-35-30 -03"   
           360-00-06

NOV. 20, 1989

STN (8) to SPK (9)   
 V.D. = 173.370      SIN 90-04-47 X 173.370   
 ZENITH = 90-04-54 -07.5" = 173.370   
           269-55-21 -07.5"   
           360-00-15

Inst. Tape Withr & Temp. Date Cont.

11/20/89 STN (8) To SPK (10)

V.D. = 360.835      SIN 90-17-34   
 ZENITH = 90-17-30 +04" X 360.835   
           269-42-22 +04"   
           359-59-52 = 360.830

11/20/89 d.h. (14) TO (13) d.h. T-41° B=29.3

V.D. = 363.630      SIN 89-41-23 X 363.630 = 363.625   
 ZENITH = 89-41-45 -12.5"   
           270-18-40 -12.5"   
           360-00-25

11/20/89 d.h. (14) to SPK (10)

V.D. = 582.410      SIN 89-46-35 X 582.410 = 582.406   
 ZENITH = 89-46-30 +05"   
           270-13-20 +05"   
           359-59-50

11/20/89 d.h. (14) to STN (12) (opp. old d.h.)

V.D. 628.695      SIN 89-45-28 X 628.695 = 628.689   
 ZENITH = 89-45-21 +07.5"   
 359-59-45 X 270-14-24 +07.5"

11/20/89 d.h. (14) to STN (11) (opp. county Bld.)

V.D. 949.045      SIN 89-38-31 X 949.045 = 949.026   
 ZENITH = 89-38-24 +07.5"   
           270-21-21 +07.5"   
           359-59-45

20 WESTWOOD PUBLIC LIBRARY

LIBRARY

21

Inst. Tape Wthr & Temp. Date Crew

Inst. Tape Wthr & Temp. Date Crew

EDM MEASUREMENTS  
11/20/89 d.b. (14) to STN (1) X Pt. @ R.O.V.

V.D. = 1145.900  
ZENITH = 89-37-06 +09  
270-22-36 +09  
359-59-42

SIN 89-37-15  
X 1145.900  
= 1145.875

11/20/89 P.M. STN (5B) to SPK. (5A) T = 41.0 F Bar. = 29.3

V.D. = 252.980  
ZENITH = 96-33-24 +07.5  
263-26-21 +07.5  
359-59-45

SIN 96-33-31  
X 252.980  
= 251.324

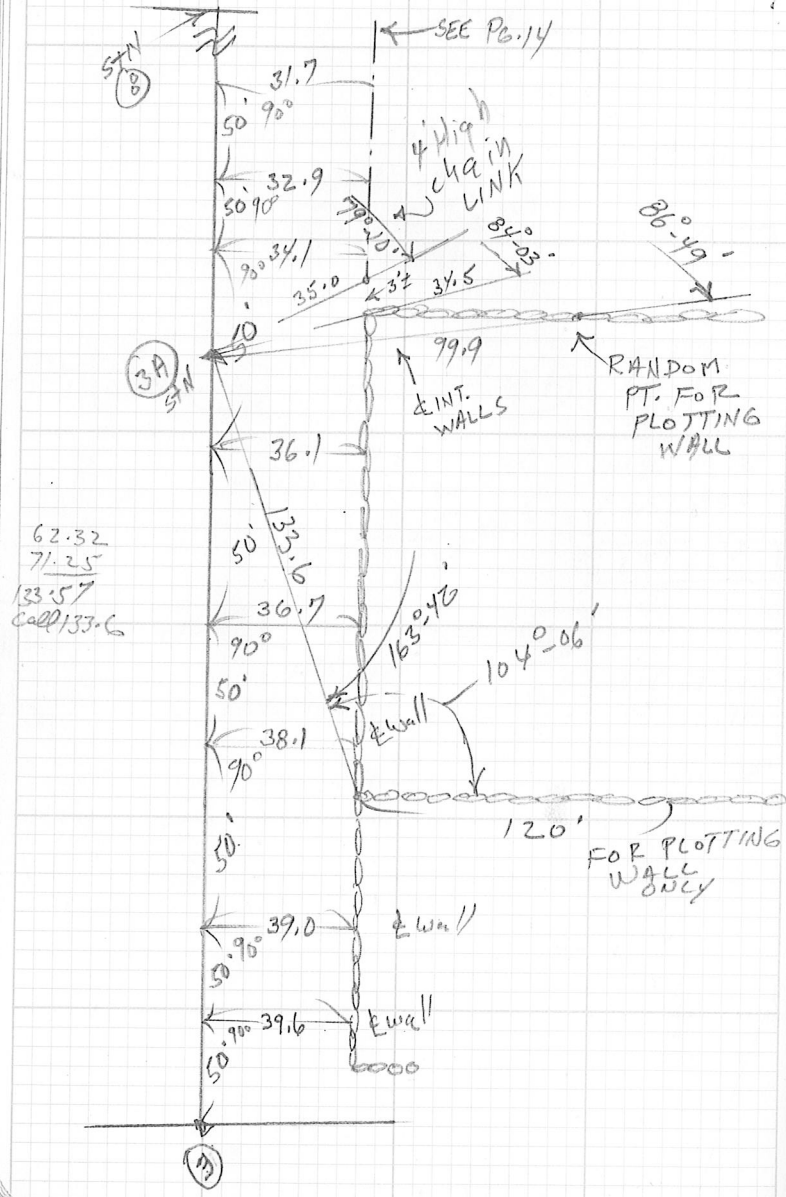
11/20/89 P.M. STN (5B) to STN (5C)

V.D. = 145.910  
ZENITH = 81-34-42 +13.5  
278-24-51 +13.5  
359-59-33

SIN 81-34-55  
X 145.910  
= 144.338

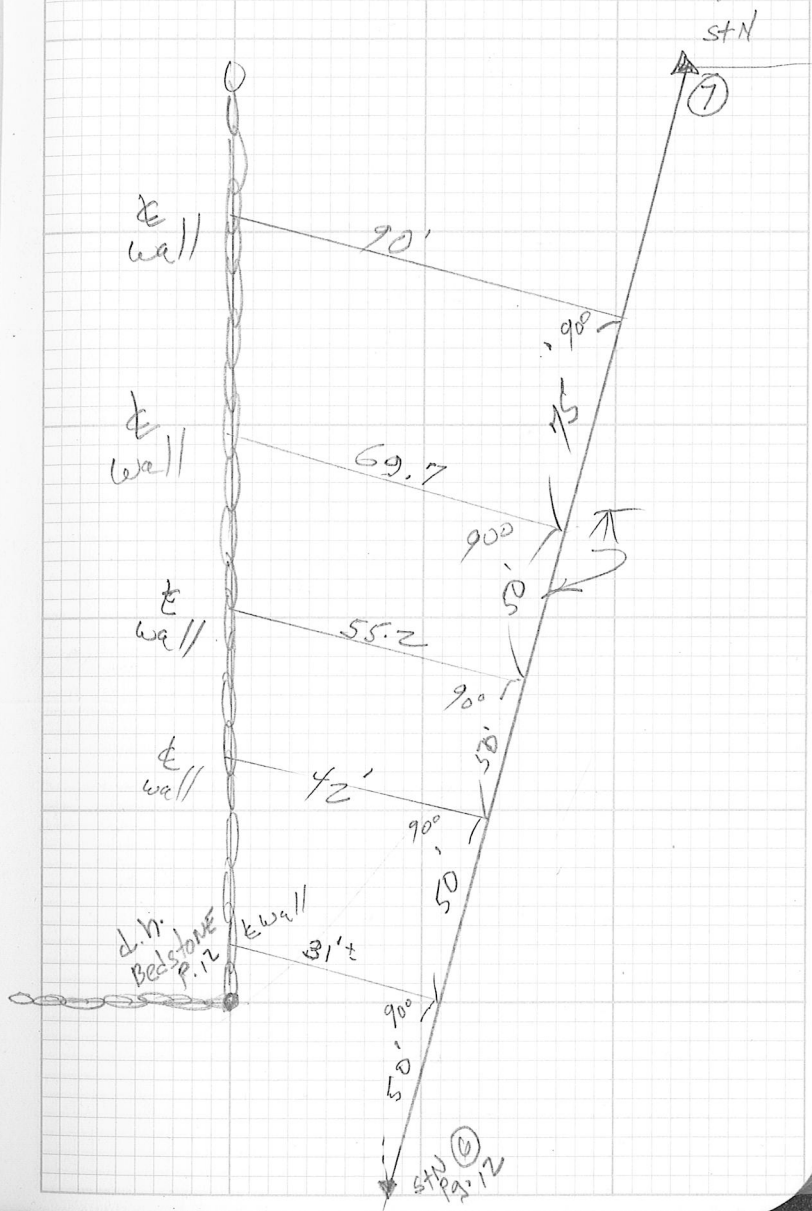
22 WESTWOOD PUBLIC LIBRARY

Inst. Tape Withr & Temp. Date Crew



SURVEY FOR PARKING LOT 23

Inst. Tape Withr & Temp. Date Crew



24/522

Inst.    Tape    Wthr & Temp.    Date    Crew

25

Inst.    Tape    Wthr & Temp.    Date    Crew

26/522

Inst.    Tape    Wthr & Temp.    Date    Crew

27

Inst.    Tape    Wthr & Temp.    Date    Crew



28/522

Inst.    Tape    Wthr & Temp.    Date    Crew

29

Inst.    Tape    Wthr & Temp.    Date    Crew

30 WESTWOOD PUBLIC  
/522 BENCH MARKS

Inst.	Tape	Wthr & Temp.	Date	(Cont)
STA. & OFF.	+	H.I.	-	ELEV. ADJ.
	5.62	241.13		235.51 P.32
	2.29	242.30	1.12	240.01 240.00
	7.65	246.78	3.17	239.13 239.12
	1.32	245.80	2.30	244.48 244.46
	5.33	246.71	4.42	241.38 241.36
	7.60	250.005	4.305	242.465 242.39
	6.77	251.195	5.58	244.425 244.40
	2.31	248.68	4.825	246.37 246.34
	5.67	248.95	5.40	243.28
			3.33	245.62 245.58 Hold

CHECK RUN  
FINAL ON Pg. 34

LIBRARY

31

Inst. Tape Wthr & Temp. Date Crew

SEE N.B. 334 Pg. 54-57 FOR 1970 B.M'S.  
ON WHICH THESE B.M'S ARE BASED. USCG. DATUM

REMARKS

SPK. IN Pole @ LIBRARY  
CHIS. SQ. @ W.C. RAMP  
CHIS. SQ. SMALL PIECE LEDGE  
CHIS. SQ. L.O.C. Bot. Step Montrose School  
CHIS. SQ. Ledge Wly. Side Athletic Field  
VERT. R.R. SPK. IN ROOF  
L.O.C. CONC. PLATE @ GYM  
R.O.C. CONC. PLATE @ LEGION  
T.P. RIM FILLER CAP  
L.O.C. CONC. PLATE @ POLICE STA.

# 32 WESTWOOD PUBLIC LIBRARY

522

Inst. Tape Wthr & Temp. Date Crew

STA + OFFSET	+	H.I.	-	ELEV.	ADJ.
HARRIS ST. ↑	4.82	221.49		216.67	216.67
	10.135	227.110	4.515	216.975	216.95
	9.90	236.390	0.62	226.490	
	5.08	239.82	1.65	234.740	
HIGH ST. ↓	5.47	241.02	4.27	235.55	235.51
	7.36	246.67	1.71	239.31	
	5.11	248.65	3.13	243.54	
	3.39	249.03	3.01	245.64	245.58
	2.965	243.925	8.27	240.76	N.B. 334 P. 56
			4.575	239.150	239.10

\* USED AS FINAL

## CHECK RUN

5.38	222.05			216.67	216.67
10.60	227.565	5.085		216.965	216.95
11.18	237.665	1.08		226.485	
5.43	240.175	2.92		234.745	
5.71	241.265	4.62		235.555	
6.44	245.735	1.97		239.295	
2.98	247.915	0.80		244.935	
5.55	249.060	4.405		243.510	
3.48	249.090	3.45		245.61	
3.32	244.03	8.38		240.710	
		4.92		239.11	

CHECK FROM SPR. @ LIBRARY THRU TO WESTWOOD PROF. BLDG.

5.575	241.125			235.55	
6.46	245.77			239.31	
3.015	247.98	0.805		244.965	
5.315	248.895	4.445		243.535	
3.885	249.520	3.760		245.635	245.58
3.14	243.90	8.760		240.76	
		4.74		239.16	239.10

# BENCHMARKS

33

Inst. Tape Wthr & Temp. Date  
SEE N.B. 334 FOR 1970 B.M.S. ON USCG DATUM  
P. 54

## REMARKS

B.M. R.O.C. Bot. CONC. STEP HSE #53 N.B. 334/55  
B.M. L.O.C. Bot. CONC. STEP HSE #35  
T.P. GRAN. CURB  
T.P. CONC. CURB  
T.P. SPK. IN POLE @ WESTWOOD PUBLIC LIBRARY  
T.P. R.O.C. END OF CONC. WALK @ #627 HIGH ST. POOR CONDITION 1987  
T.P. GRAN. CURB @ TOWN HALL  
B.M. L.O.C. CONC. PLATE. FRONT ENT. POLICE STA.  
T.P. CONC. LIGHT POST BASE HIGH ST. AND BARLOW LN.  
B.M. L.O.C. Bot. CONC. STEP WESTWOOD PROF. BLDG.  
\*

B.M. HSE #53 ABOVE N.B. 334/55  
B.M. HSE #35 ABOVE  
T.P. GRAN. CURB ABOVE  
T.P. CONC. CURB ABOVE  
T.P. SPK. IN POLE @ LIBRARY ABOVE  
R.O.C. END CONC. WALK ABOVE  
T.P. HYD. SPINDLE  
T.P. GRAN. CURB ABOVE  
B.M. L.O.C. PLATE. Police Station ABOVE  
T.P. LIGHT BASE  
B.M. CONC. STEP WESTWOOD PROF. BLDG.

R.O.C. END WALK  
HYD. SPD.  
T.P. GRAN. CURB  
Police Station  
T.P. LIGHT BASE  
WESTWOOD PROF. BLDG.

# 34 WESTWOOD PUBLIC LIBRARY

Inst. 522

Tape

Wthr & Temp.

Date

Cross

STA. TOFF	+	H.I.	-	ELEV	ADJ.
	5.54	241.05		235.51	235.51 R32
	2.41	242.45	1.045	240.005	240.00
	8.91	248.055	3.27	239.145	239.13
	1.245	245.740	3.56	244.495	244.48 ✓
	5.345	246.74	4.345	241.395	241.37
	7.05	249.47	4.32	242.42	242.39
	6.585	251.025	5.03	244.44	244.41 ✓
	2.27	248.655	4.64	246.305	246.34
	5.61	248.895	5.37	243.285	
			3.27	245.625	245.58 Hold

# BENCHMARKS

35

Inst. Tape Wthr & Temp. Date Cross  
SEE NB 334 Pg. 54 FOR 1970 B.M.'S ON  
USCG DATUM

## REMARKS

SPK. IN Pole - HIGH ST. @ LIBRARY

B.M. A CHIS. SQ. SET IN THE N-EASTERLY COR. OF A CONC. PLATE TO A WHEEL CHAIR RAMP ON THE NLY SIDE OF THE WESTWOOD PUBLIC LIBRARY

B.M. CHIS. SQ. SET IN SMALL LEDGE OUTCROP VICINITY OF S.E. COR. OF LOCUS

B.M. CHIS. SQ. SET IN L.O.C. BOT. CONC. STEP TO THE MONTROSE SCHOOL. (FORMERLY PEERFIELD SCHOOL) STEPS ARE THE MOST SLY. SET ON THE WLY. SIDE OF THE SCHOOL

B.M. CHIS. SQ. SET IN LEDGE OUTCROP WLY. SIDE OF ATHLETIC FIELD

B.M. A VERT. R.R. SPK. SET IN THE ROOT 24" DIA. MAPLE TREE AT N. WLY. COR. OF LOCUS

B.M. L.O.C. CONC. PLATE. ENT. TO GYM OF SCHOOL - WLY. SIDE OF SCHOOL -

B.M. R.O.C. CONC. PLATE (NEAR WOOD STAIRS AND PLATE) SLY. SIDE WESTWOOD POST 320 AMERICAN LEGION

T.P. RIM FUEL FILLER CAP REAR POLICE STA.

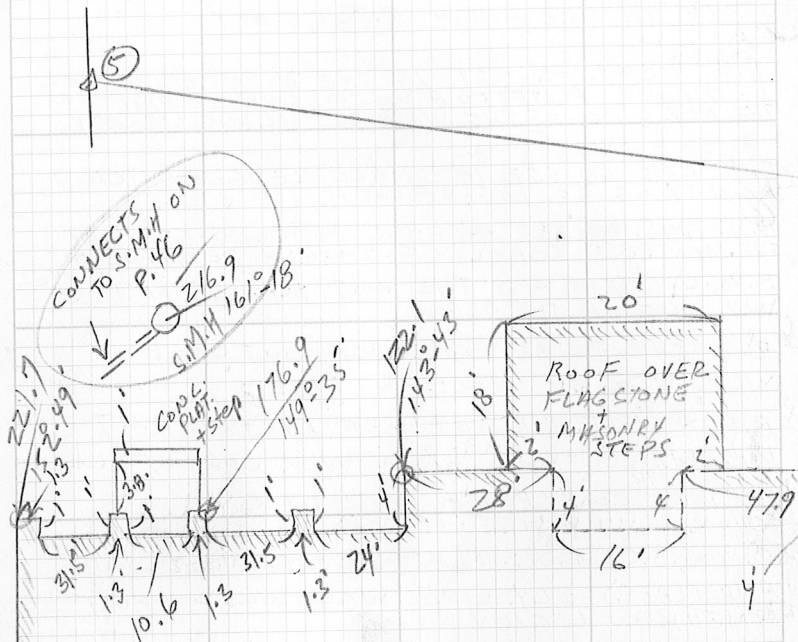
B.M. @ Police Station

FINAL

# 36 WESTWOOD PUBLIC LIBRARY

Inst. 522 Tape Wthr & Temp. Date Crew

LOCATION

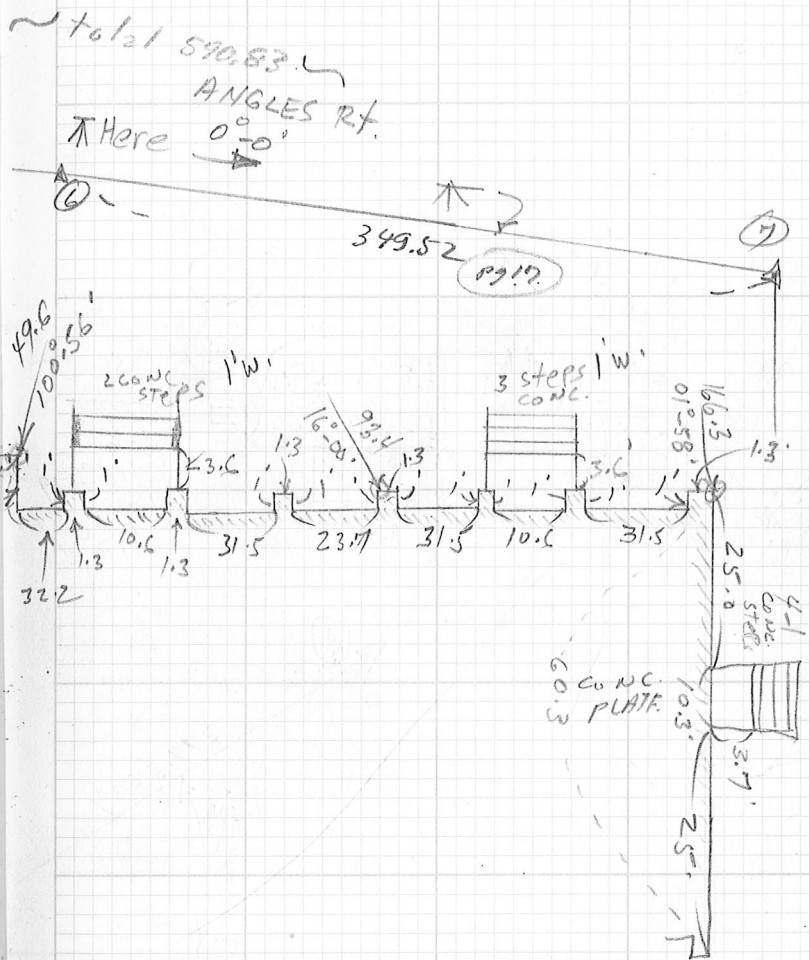


MONTROSE  
SCHOOL  
FORMERLY  
DEERFIELD  
SCHOOL

# SURVEY FOR PARKING LOT 37

Inst. Tape Wthr & Temp. Date Crew

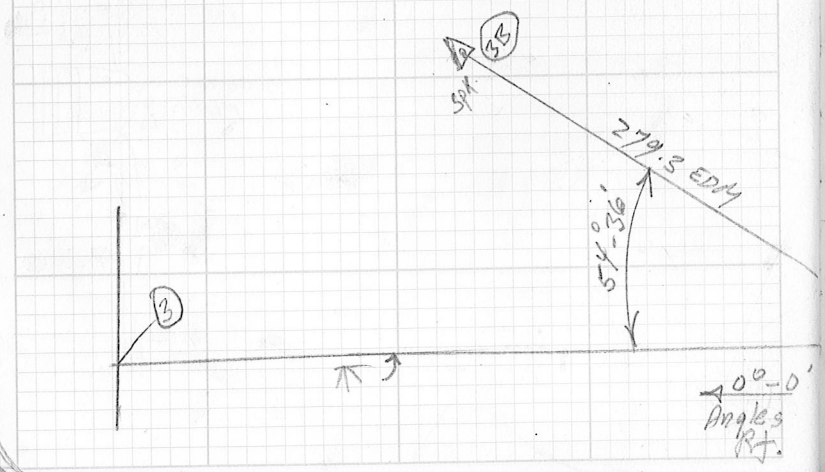
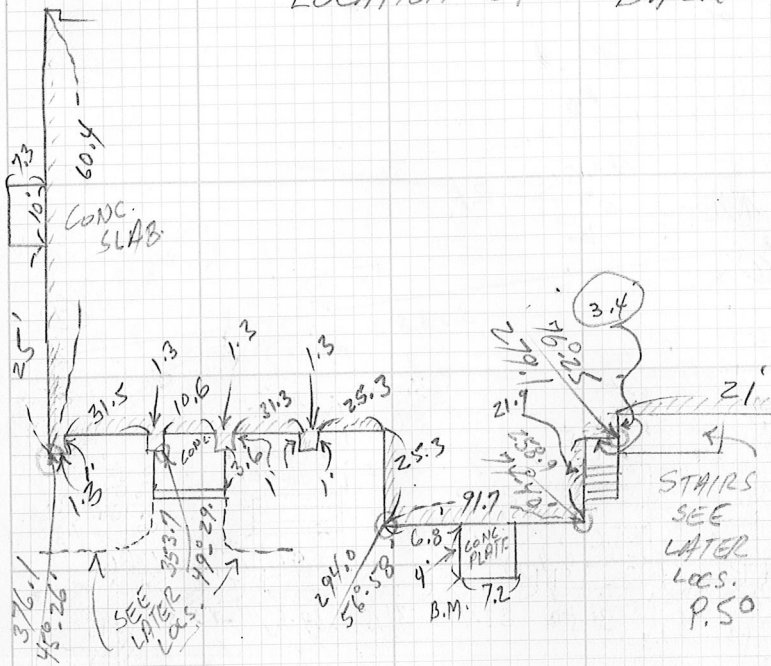
OF FRONT OF SCHOOL



# 38 WESTWOOD PUBLIC LIBRARY

Inst. 522 Tape Wthr & Temp. Date Crew

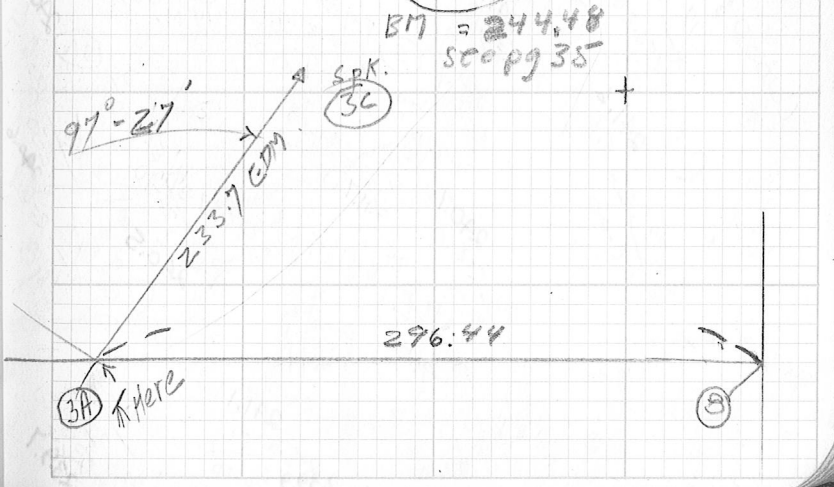
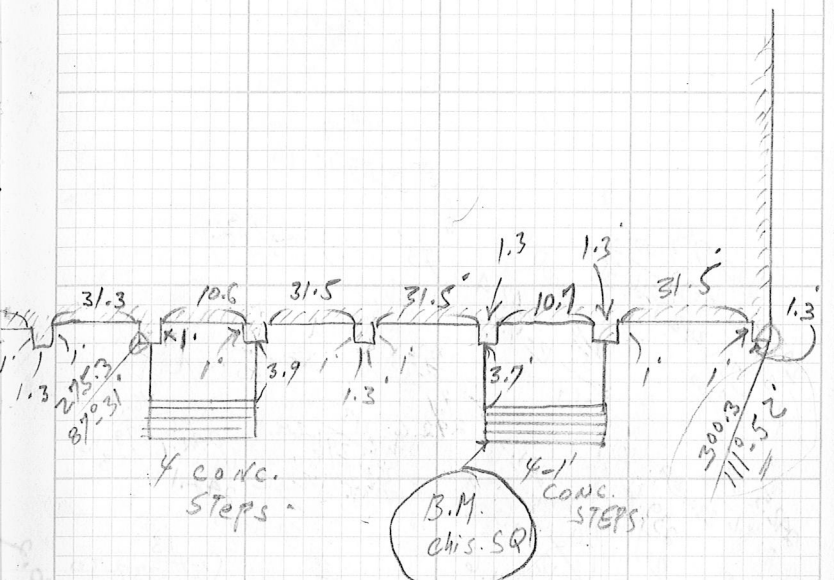
## LOCATION OF BACK OF SCHOOL



# SURVEY FOR PARKING LOT 39

Inst. Tape Wthr & Temp. Date Crew

## OF SCHOOL

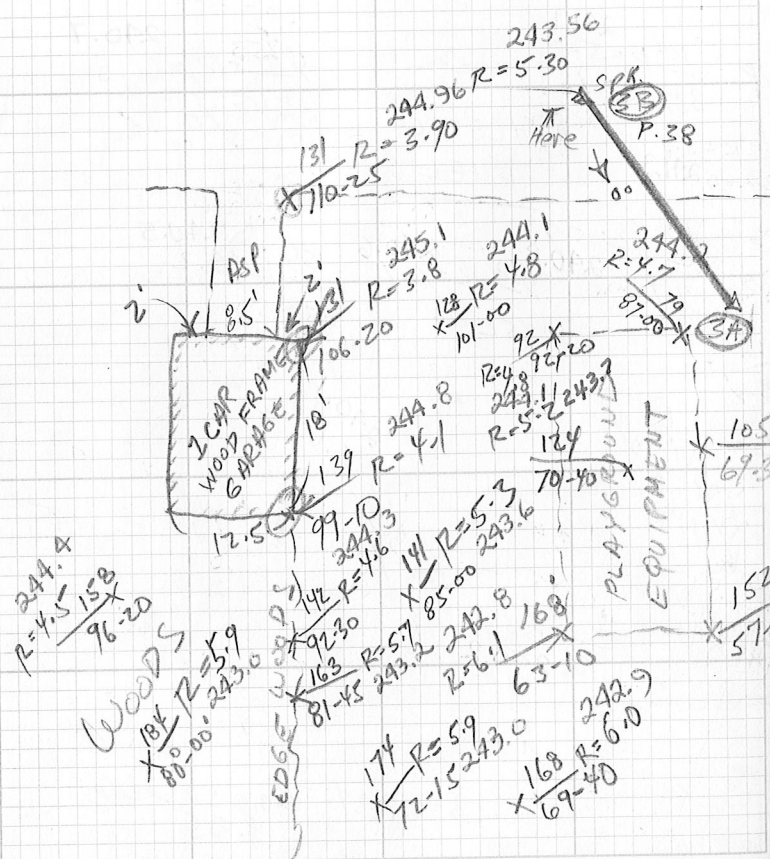




# 43 WESTWOOD PUBLIC LIBRARY

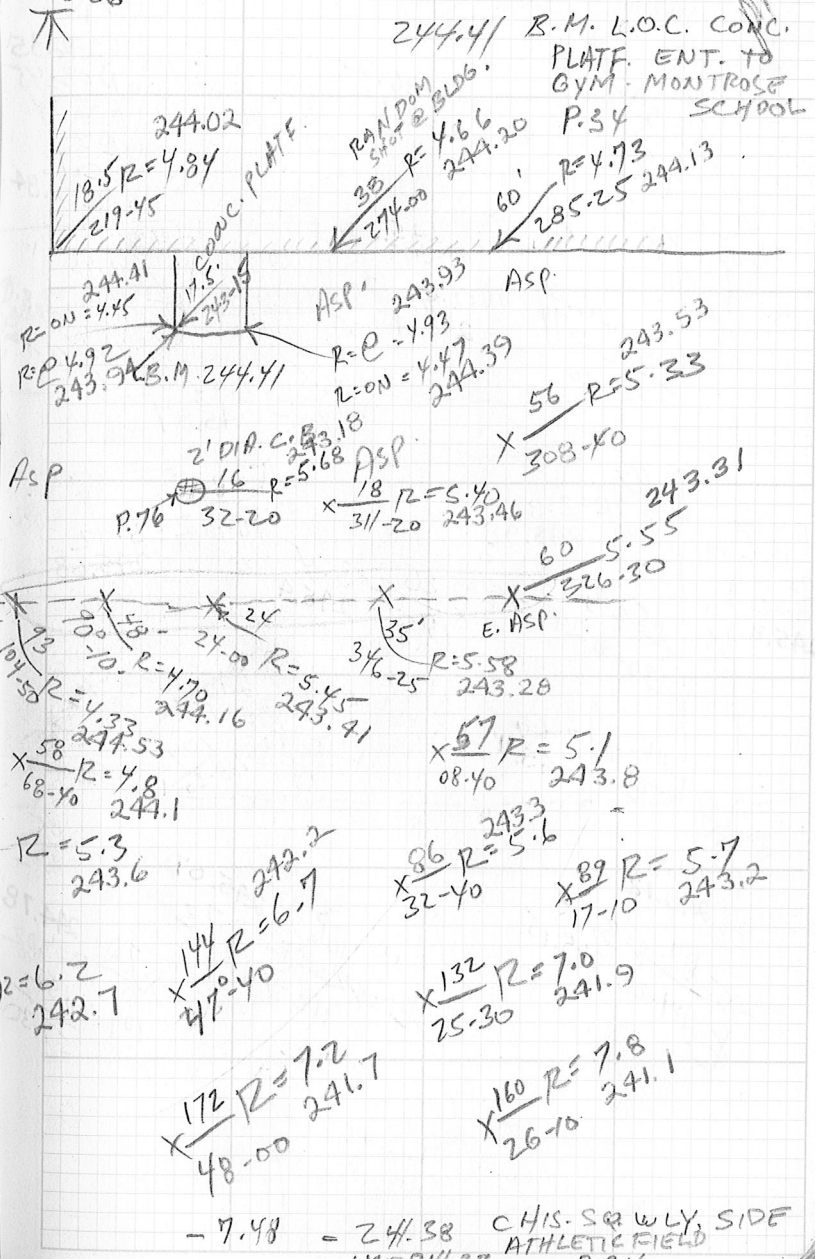
Inst. 522      Tape      Withr & Temp.      Date      Crew  
 + 4.45

SEE LATER →



# Inst. TOPO SURVEY

Inst. 278.86      Tape      Withr & Temp.      Date      Crew  
 244.4



- 7.48 - 24.38 CHIS. SQ WLY. SIDE  
 USE 24/37 ATHLETIC FIELD  
 P.34



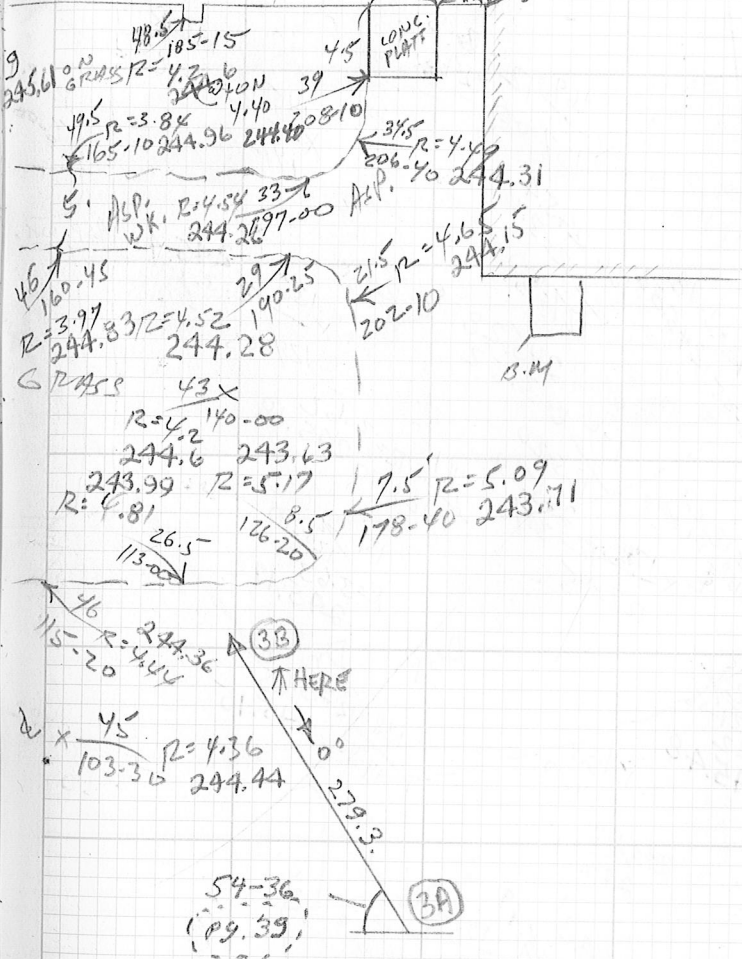
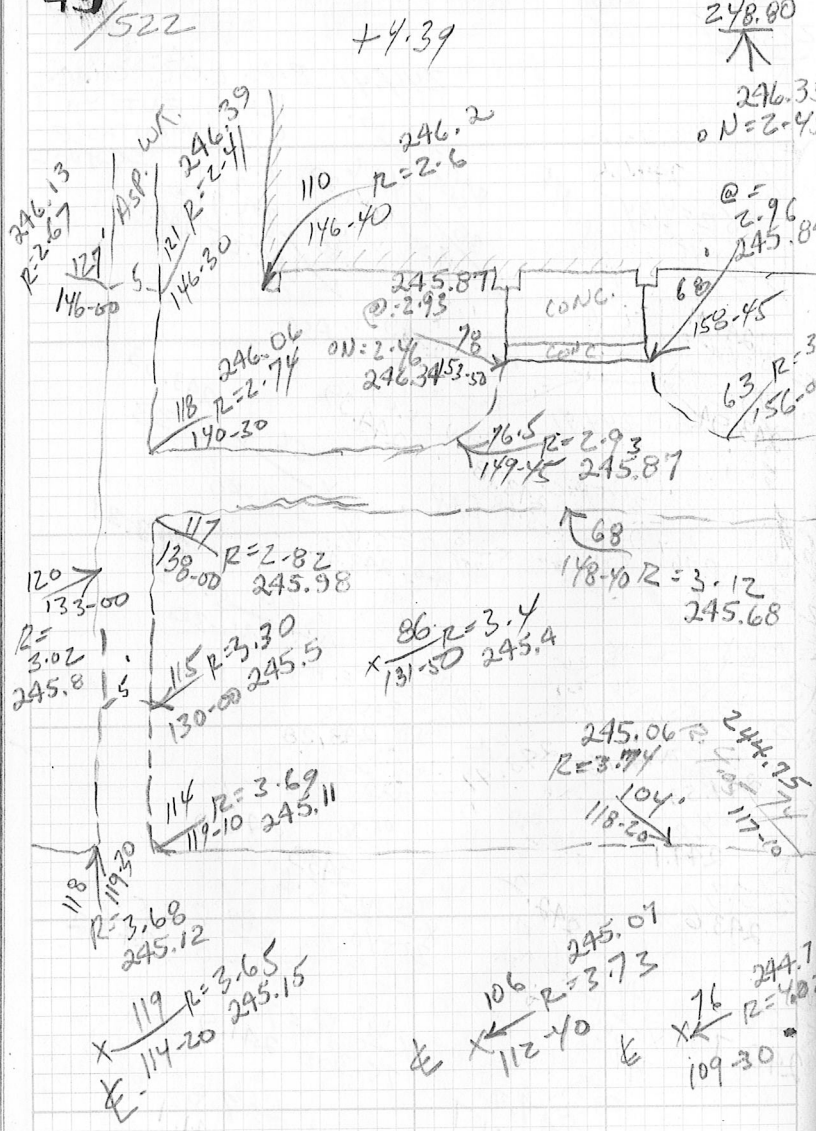
# 49 WESTWOOD PUBLIC LIBRARY

# TOPO SURVEY

Feb 15  
11/27/89  
W. Simpson

B.M. L.O.C. CONC.  
PLATF. 244.41

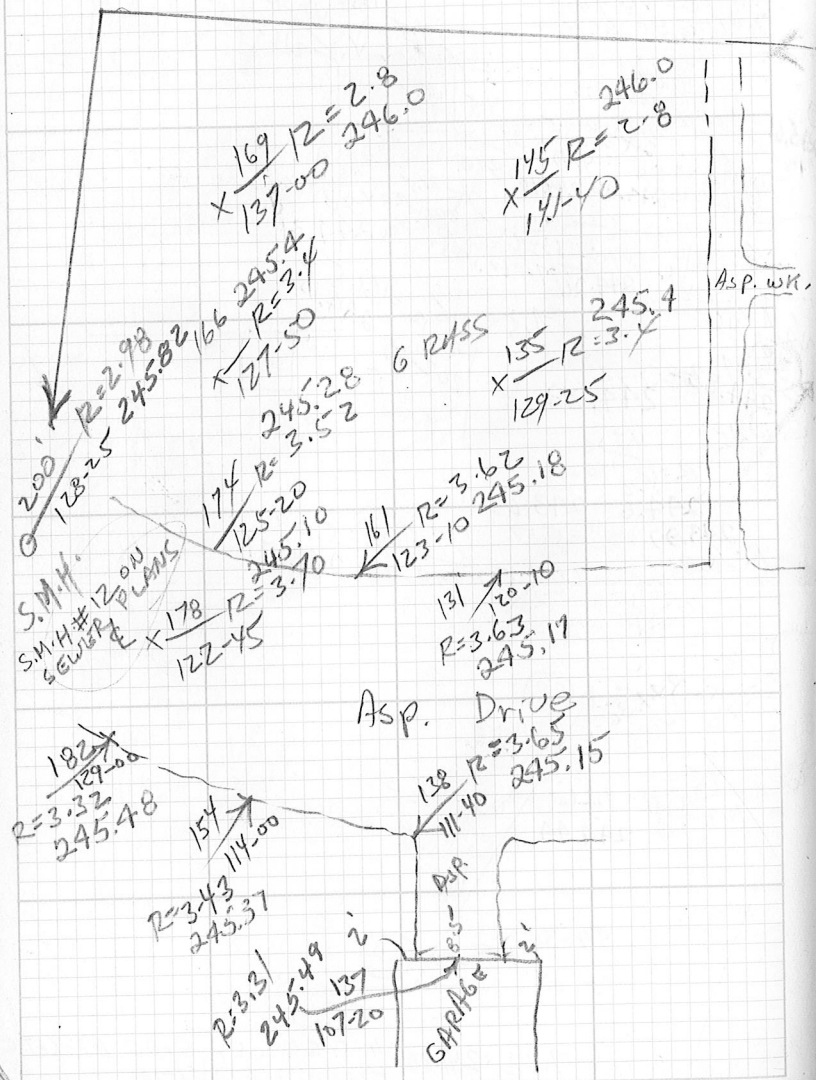
Note: Roof  
Go INTO 4" C.I.  
PIPES ON THIS  
SIDE OF SCHOOL



-7.42 = 241.38 CHIS. SQ. WLY. SIDE ATHLETIC  
FIELD USE 2/1/37

# 4.6 WESTWOOD PUBLIC LIBRARY

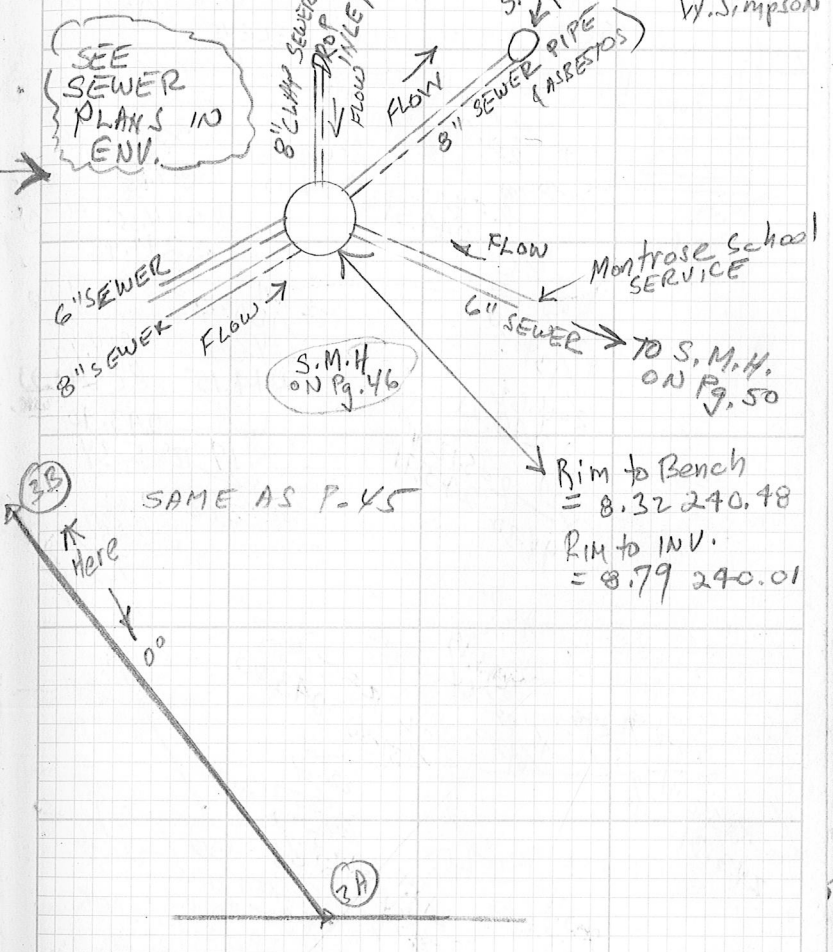
Inst. 522 Tape Wthr & Temp. Date 4/27/89 248.80



# TOPO SURVEY

47

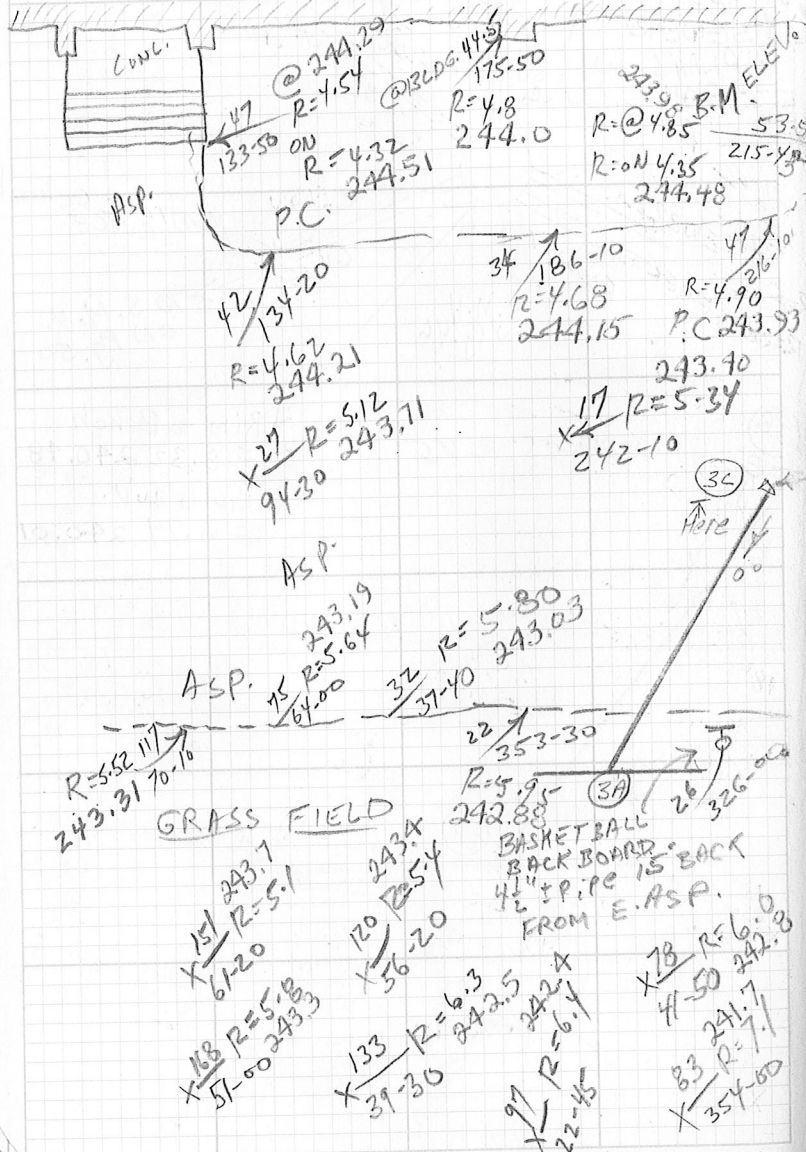
SAME H.I. as Page 45  
11/27/89  
W. Simpson



# 49 WESTWOOD PUBLIC LIBRARY

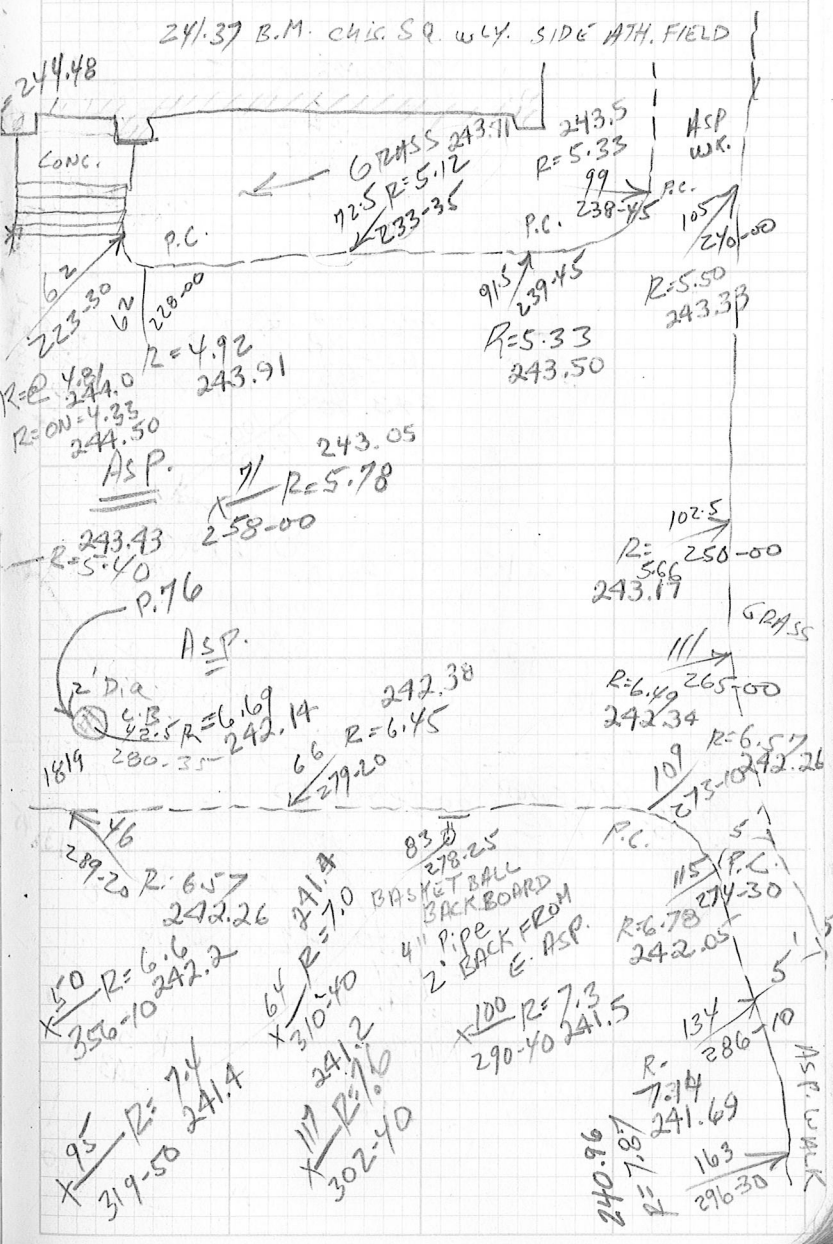
Inst. 522 Tape Withr & Temp. Date C1  
 +7.46 248.83

SEE LATER FLOOR ELEV.



# TOPO SURVEY

Inst. W. Simpson Date 11/27/89  
 24.37 B.M. CHIC. SQ. WLY. SIDE ATH. FIELD



50

# WESTWOOD PUBLIC LIBRARY

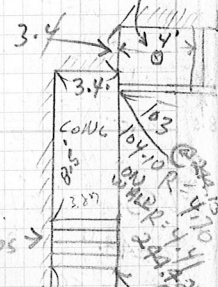
Tape Wthr & Temp. Date Crow

522

SEE P. 38

6" D.A. DRAIN  
RIM = 10.64  
23.81

@ COR. ON ASP.  
R = 5.03  
243.80



1.3' DIA. 2.5' DIA.  
PROPANE GAS TANKS  
2.5' DIA.

TANKS are  
1.5' OFF  
BLDG.

TO S.M.H.  
ON Pg. 46

6" SEWER  
PIPE  
(ASS 83705)

M.H.#14 ON SEWER PLANS  
S.M.H.  
2" DIA. 6" SEWER  
PIPE

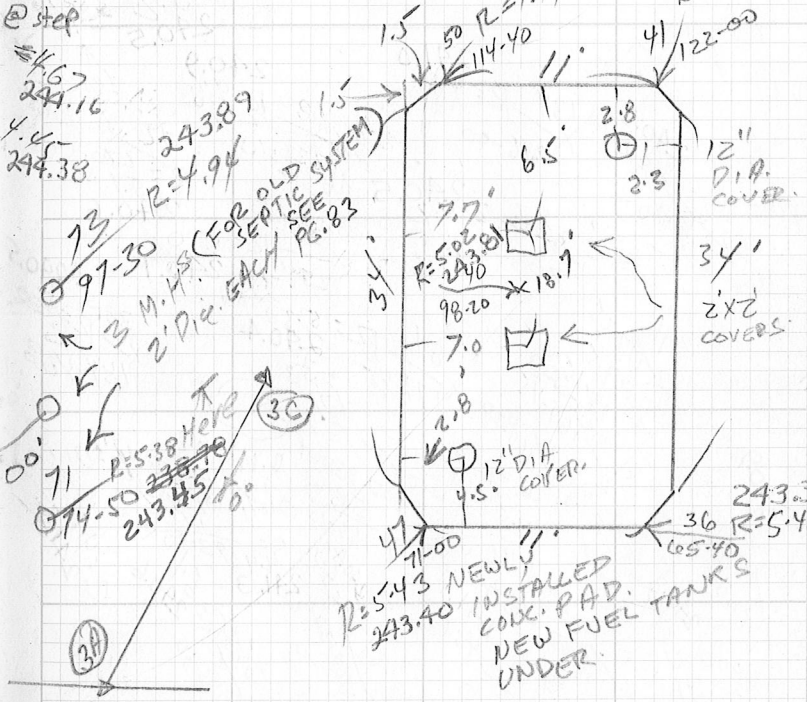
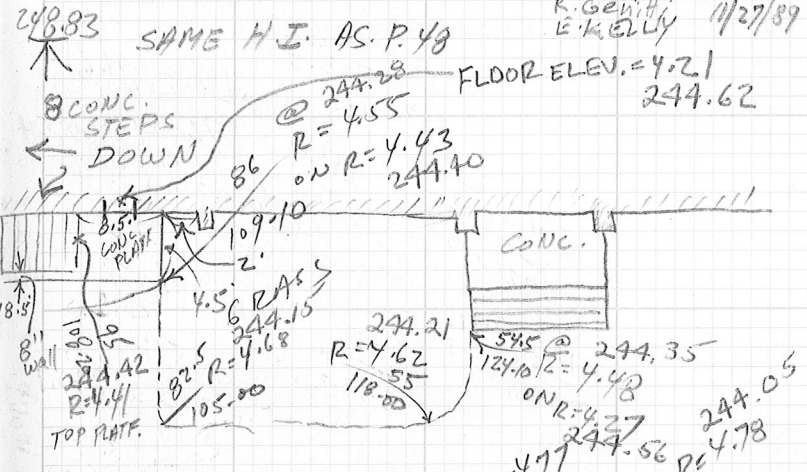
Rim to Bench  
= 4.31  
244.52  
Rim to INV.  
4.58  
244.25

82 R=5.38  
76-30  
R=5.22  
88  
243.61

# TOPO SURVEY

W. SIMPSON  
R. GENIT  
E. KELLY  
11/27/89

51



11/27/89

$\frac{161}{28-00} \times \frac{242.5}{R=3.2} + 4.31 \frac{242.2}{R=3.5}$   
 $\frac{134}{247-00} \times \frac{242.4}{R=3.3}$   
 $\frac{125}{273-00} \times \frac{241.6}{R=4.1}$   
 $\frac{160}{226-00} \times \frac{242.4}{R=3.3}$   
 $\frac{133}{243-00} \times \frac{242.1}{R=3.6}$   
 $\frac{115}{250-00} \times \frac{241.7}{R=4.0}$   
 $\frac{122}{289-30} \times \frac{241.7}{R=4.7}$

$\frac{144}{215-40} \times \frac{241.2}{R=4.5}$   
 $\frac{105}{233-20} \times \frac{241.1}{R=4.6}$   
 $\frac{85}{272-30} \times \frac{240.7}{R=5.0}$   
 $\frac{105.5-0}{301-40} \times \frac{240.7}{R=5.2}$   
 $\frac{141}{323-20} \times \frac{240.5}{R=5.2}$

$\frac{R=5.2}{240.5}$   
 Here

$\frac{118}{197-40} \times \frac{240.5}{R=5.2}$   
 $\frac{134}{216-00} \times \frac{241.0}{R=4.7}$   
 $\frac{98}{233-10} \times \frac{240.9}{R=4.8}$   
 $\frac{73}{208-40} \times \frac{240.5}{R=5.2}$   
 $\frac{92}{270-55} \times \frac{240.6}{R=5.1}$   
 $\frac{35}{254-10} \times \frac{240.1}{R=5.0}$   
 $\frac{81}{179-45} \times \frac{240.4}{R=5.3}$   
 $\frac{38.5}{184-40} \times \frac{240.5}{R=5.2}$

$\frac{152}{167-134} \times \frac{240.1}{R=5.6}$   
 CHAIN LINK BACK STOP 10' HIGH  
 $\frac{113}{177-25} \times \frac{240.9}{R=4.8}$   
 $\frac{100}{173-15} \times \frac{240.5}{R=5.2}$   
 $\frac{98}{169-45} \times \frac{240.4}{R=5.3}$   
 $\frac{91}{169-20} \times \frac{240.4}{R=5.3}$   
 $\frac{71.5}{167-00} \times \frac{240.3}{R=5.4}$   
 $\frac{104}{166-40} \times \frac{241.1}{R=4.6}$   
 $\frac{97}{159-00} \times \frac{241.1}{R=4.6}$   
 $\frac{64}{160-20} \times \frac{241.3}{R=4.4}$   
 $\frac{35}{145-30} \times \frac{240.6}{R=5.1}$   
 $\frac{32}{84-10} \times \frac{241.3}{R=5.4}$   
 8" WIDE WOOD BEAM IN LEDGE 4" Dia  
 $\frac{58}{163-10} \times \frac{241.3}{R=4.4}$   
 $\frac{14}{93-00} \times \frac{240.6}{R=5.1}$   
 B.M. CHIS. SO. W. SIDE ATHLETIC FIELD  
 ELEV. 241.37  
 240.1  
 $\frac{49}{354-10} \times \frac{240.1}{R=5.6}$   
 $\frac{14.5}{69-00} \times \frac{240.7}{R=5.0}$   
 $\frac{46.5}{46-30} \times \frac{240.7}{R=5.0}$   
 FENCE  
 $\frac{11}{27-30} \times \frac{240.7}{R=5.6}$   
 $\frac{69}{27-10} \times \frac{240.7}{R=5.0}$   
 $\frac{132}{13-50} \times \frac{239.2}{R=6.1}$   
 $\frac{166}{10-20} \times \frac{238.4}{R=7.3}$   
 $\frac{192}{69-00} \times \frac{238.4}{R=7.3}$   
 10' High Chain Link Back Stop  
 $\frac{103}{153-20} \times \frac{241.0}{R=4.7}$   
 $\frac{63}{132-00} \times \frac{240.9}{R=4.8}$   
 $\frac{47}{98-20} \times \frac{241.0}{R=4.7}$

B.M. CHIS. SO. W. SIDE ATHLETIC FIELD  
 W. SIMPSON  
 L. GENETT  
 E. KELLY  
 S. ASP. S.W.  
 $\frac{139}{294-00} \times \frac{241.0}{R=4.7}$   
 $\frac{178}{311-30} \times \frac{241.0}{R=4.7}$   
 $\frac{182}{304-45} \times \frac{241.0}{R=4.7}$   
 $\frac{147}{240-64} \times \frac{240.7}{R=5.04}$   
 $\frac{118}{312-20} \times \frac{240.7}{R=5.0}$   
 $\frac{208}{327-50} \times \frac{240.58}{R=5.10}$   
 $\frac{178}{323-20} \times \frac{240.5}{R=5.2}$   
 $\frac{105.5-0}{301-40} \times \frac{240.7}{R=5.2}$   
 $\frac{141}{323-20} \times \frac{240.5}{R=5.2}$   
 $\frac{203}{334-45} \times \frac{240.28}{R=5.40}$   
 $\frac{1828}{R=7.25}$   
 $\frac{238.43}{R=7.25}$

Aux. B  
 $\frac{84}{310-00} \times \frac{240.6}{R=5.1}$   
 $\frac{123}{330-00} \times \frac{240.6}{R=5.1}$   
 $\frac{166}{340-00} \times \frac{239.7}{R=6.6}$   
 $\frac{114}{342-30} \times \frac{240.0}{R=5.7}$   
 $\frac{67}{328-00} \times \frac{240.5}{R=5.2}$   
 $\frac{114}{342-30} \times \frac{240.0}{R=5.7}$   
 $\frac{159}{348-00} \times \frac{240.0}{R=5.7}$   
 $\frac{49}{354-10} \times \frac{240.1}{R=5.6}$   
 $\frac{104}{356-00} \times \frac{239.9}{R=5.8}$   
 $\frac{158}{357-20} \times \frac{238.9}{R=6.8}$   
 $\frac{238.6}{182.5} \times \frac{238.9}{R=7.1}$   
 $\frac{14.5}{69-00} \times \frac{240.7}{R=5.0}$   
 $\frac{46.5}{46-30} \times \frac{240.7}{R=5.0}$   
 $\frac{11}{27-30} \times \frac{240.7}{R=5.6}$   
 $\frac{69}{27-10} \times \frac{240.7}{R=5.0}$   
 $\frac{132}{13-50} \times \frac{239.2}{R=6.1}$   
 $\frac{166}{10-20} \times \frac{238.4}{R=7.3}$   
 $\frac{192}{69-00} \times \frac{238.4}{R=7.3}$   
 $\frac{103}{153-20} \times \frac{241.0}{R=4.7}$   
 $\frac{63}{132-00} \times \frac{240.9}{R=4.8}$   
 $\frac{47}{98-20} \times \frac{241.0}{R=4.7}$   
 -1.20 = 244.48 B.M. CHIS. SO. P. 34

522

75.49

244.62

30  
84-45  
2-16" ELMS

345  
64-10  
16"0.

165 R=1.14  
83-10 243.48

168 R=5.60  
73-20 239.02

169 R=2.46  
61-50 242.16

177.5 R=3.07  
50-50 241.55

150 WALK  
190 R=3.50  
42-40 241.12

118.5 R=2.4  
81-00 242.2

135 R=3.1  
53-30 241.5

169 R=4.3  
33-30 240.3

76 R=3.7  
74-30 240.9

103 R=4.0  
39-00 240.6

150 R=5.4  
18-10 239.2

112 R=3.0  
63-10 241.6

148 R=5.8  
01-10 238.8

CLOUDY, COOL -

11/28/89

239.13 = B.M. CHIS. SQ. P.34

W. Simpson  
R. Genitt  
E. Kelly

239.8

21 R=4.8  
63-00 239.42

21 R=5.2  
328-00

2' DIA. LEDGE (W) BRGS  
52  
292-10 239.3

B.M. CHIS. (239.19) 41 R=5.3  
367-55

40 R=4.4  
54-15 240.2

24.5 R=5.1  
03-05 239.5

239.5 R=5.1  
88  
280-10  
70.5 5.1  
238.9  
291-55

80 2'x2' C.B. 287-05  
R=6.51  
238.11  
238.2

16 R=5.1  
313-00 239.5

58 R=4.6  
26-50 240.0

55 R=5.1  
344-45 239.5

12' M 291-30  
98  
303-10

83 R=5.2  
341-20 239.4

10' HIGH CHAIN LINK BACKSTOP  
9.8  
10' 320-10  
96.5  
323-30  
239.0  
R=5.6  
114  
317-20

149 R=3.8  
42-10 240.8

127 R=4.4  
30-40 240.2

112 R=5.2  
09-10 239.4

116 R=5.5  
344-40 239.1

153 R=6.1  
349-10 238.5

162 R=6.3  
345-45 238.3

134  
326-40  
R=5.9 238.5  
235.2

-3.77 240.85 T.P. VERT SPX. IN TREE

169  
335-30  
238.3 FENCE

P.77

1823

89

291-30

98

303-10

96.5

323-30

239.0

R=5.6

114

317-20

134

326-40

R=5.9 238.5

235.2

169

335-30

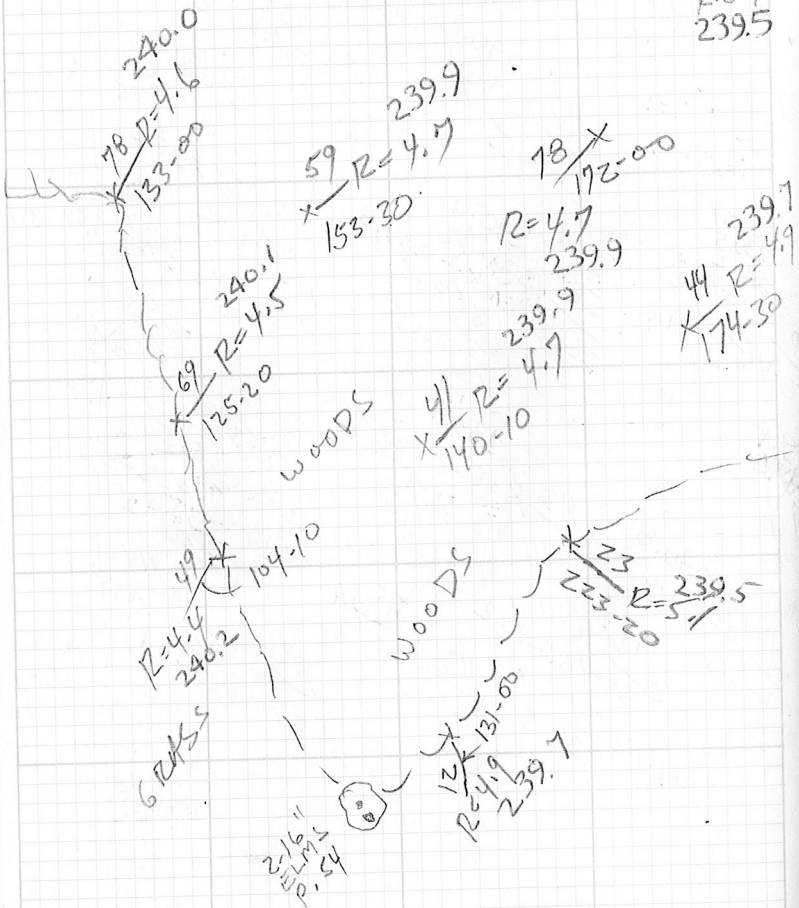
238.3 FENCE

USE SAME SETUP AS  
244.62  
↑

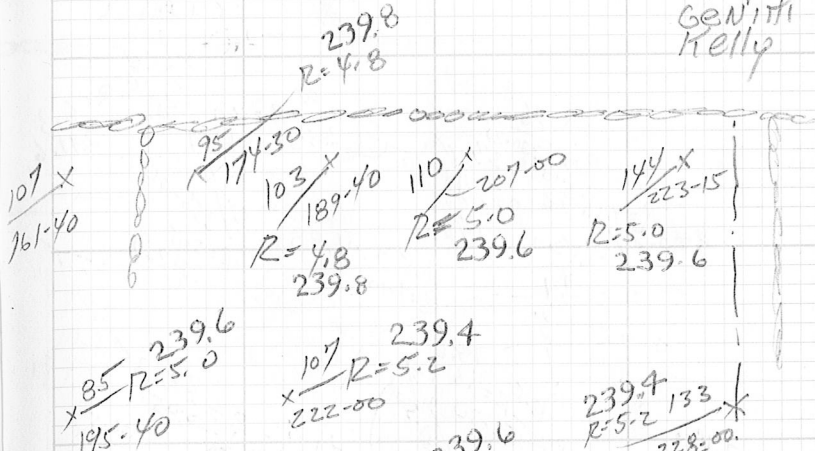
CLOUDY-COOL-WINDY

11/28/89

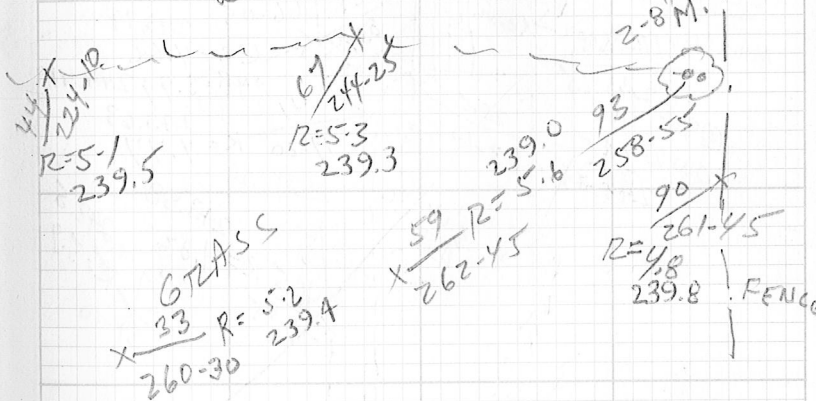
SIMPSON  
GENITH  
KELLY



ON PG. 55 FOR THESE TWO PAGES



Note: A LOT OF SURFACE STANDING WATER IN THIS AREA WOODS

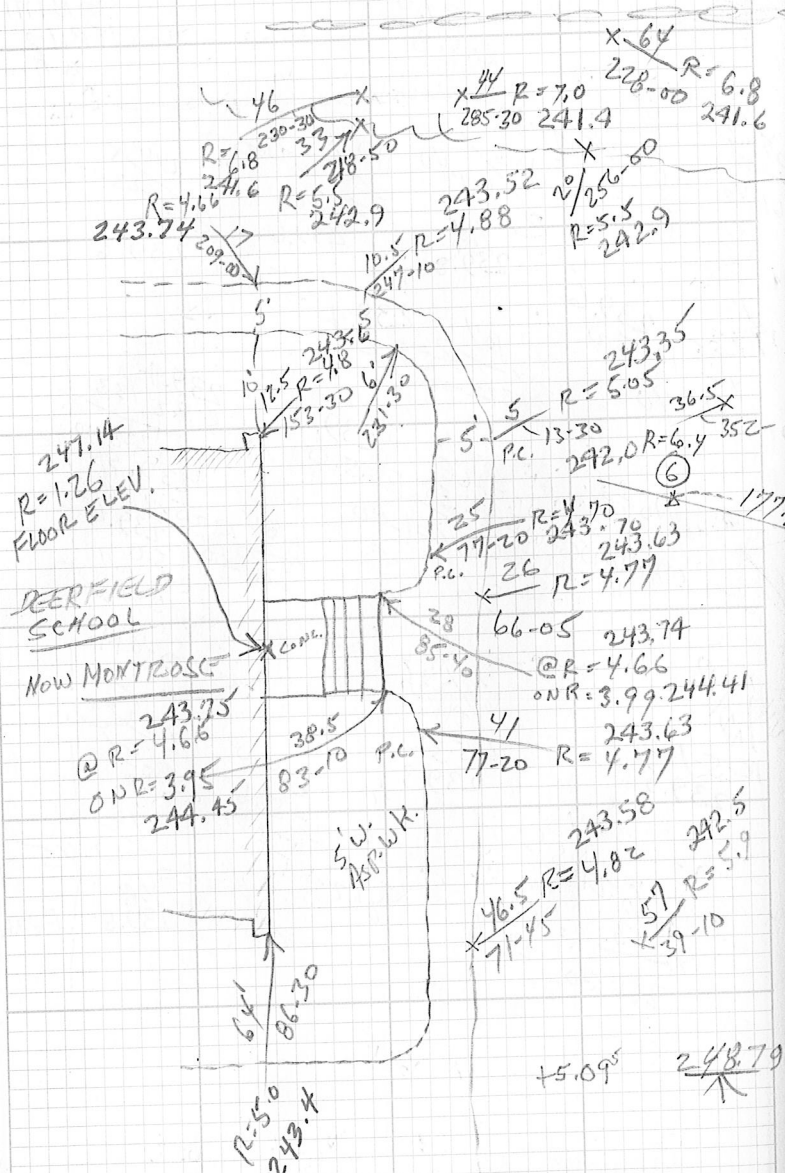


58 WESTWOOD PUBLIC LIBRARY

522

+7.55

248.40



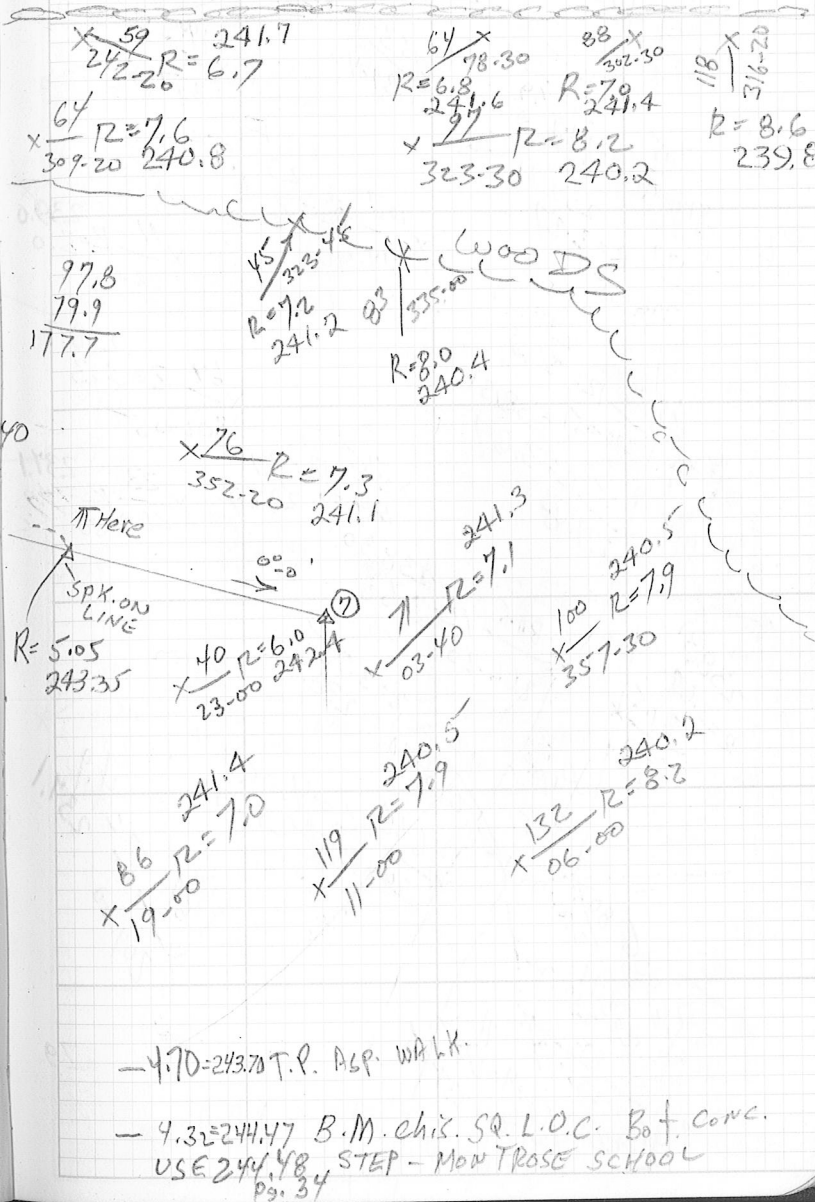
+5.09 248.79

TOPO SURVEY FOR PARKING 59

W. SIMPSON  
R. GENITTI  
E. KELLY

240.85  
Bot. Pg. 55

LOT 59  
CLOUDY, COOL



-4.70=243.70 T.P. ASP. WALK.

-4.32=244.47 B.M. CHIK. SQ. L.O.C. Bot. CONC.  
USE 244.48 STEP - MONTROSE SCHOOL  
Pg. 34



# 60 WESTWOOD PUBLIC

522

+ 2.85

$$\begin{aligned} & \times \frac{187}{319.00} R = 1.02 \\ & \times \frac{165}{327.10} R = 2.1 \\ & \times \frac{153}{339.40} R = 2.7 \end{aligned}$$

$$\times \frac{142}{352.50} R = 3.0$$

241.98

239.0

inv.  
A.P.  
W.K.

$$\begin{aligned} & \times \frac{156.5}{314.05} R = 1.49 \\ & \times \frac{129}{306.55} R = 2.27 \end{aligned}$$

$$\times \frac{107}{314.40} R = 3.1$$

$$\times \frac{91}{326.10} R = 3.0$$

$$\begin{aligned} & \times \frac{98}{290.05} R = 3.45 \\ & \times \frac{85}{274.45} R = 3.67 \end{aligned}$$

$$\times \frac{51.5}{277.00} R = 4.1$$

$$\times \frac{23}{280.50} R = 4.9$$

$$\begin{aligned} & \times \frac{84.5}{263.00} R = 3.67 \\ & \times \frac{80.5}{266.20} R = 3.68 \end{aligned}$$

$$\begin{aligned} & \times \frac{72}{248.10} R = 3.75 \\ & \times \frac{64.5}{244.25} R = 4.06 \end{aligned}$$

$$\times \frac{57}{209.00} R = 4.9$$

FENCE

$$\begin{aligned} & \times \frac{412}{237.8} R = 3.17 \\ & \times \frac{82}{238.00} R = 2.6 \\ & \times \frac{71}{238.00} R = 2.7 \end{aligned}$$

# LIBRARY - TOPO SURVEY 61

11/28/89

W. SIMPSON  
R. GENITI 239.13 B.M. CHIS. SQ. LEDGE  
E. KELLY

$$\begin{aligned} & \times \frac{147}{17.20} R = 3.6 \\ & \times \frac{126}{331.00} R = 2.7 \end{aligned}$$

$$\times \frac{147}{17.20} R = 3.9$$

$$\times \frac{112}{350.10} R = 3.4$$

$$\times \frac{110}{13.00} R = 4.0$$

$$\times \frac{119}{32.40} R = 4.4$$

$$\begin{aligned} & \times \frac{84.5}{333.25} R = 3.7 \\ & \times \frac{69}{11.10} R = 4.2 \end{aligned}$$

$$\begin{aligned} & \times \frac{43.5}{325.35} R = 4.5 \\ & \times \frac{41}{30.20} R = 4.7 \end{aligned}$$

$$\times \frac{41}{30.20} R = 4.7$$

$$\times \frac{24}{92.00} R = 5.0$$

$$\times \frac{24}{92.00} R = 5.0$$

$$\times \frac{38}{223.10} R = 4.8$$

$$\times \frac{35}{181.00} R = 5.1$$

$$\times \frac{45}{134.20} R = 5.3$$

$$\times \frac{53}{170.30} R = 5.1$$

$$\begin{aligned} & \times \frac{57}{55} R = 5.7 \\ & \times \frac{57}{122.30} R = 5.7 \end{aligned}$$

$$\begin{aligned} & \times \frac{48}{234.2} R = 4.8 \\ & \times \frac{15}{145.10} R = 1.5 \end{aligned}$$

FENCE - X

$$\begin{aligned} & \times \frac{238.2}{3.8} R = 3.8 \\ & \times \frac{156}{26.20} R = 1.56 \end{aligned}$$

(7)

(8) here

(9)

— 0.61 = 24.37 B.M. CHIS. SQ.  
WLY. SIDE 17TH. FIELD  
P. 34







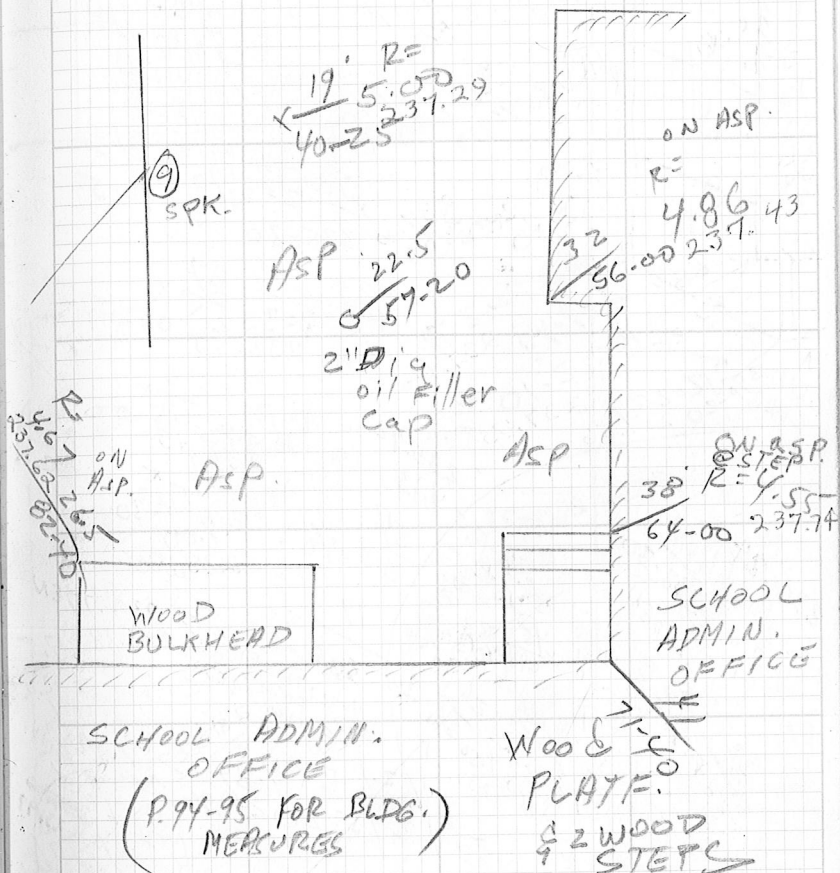
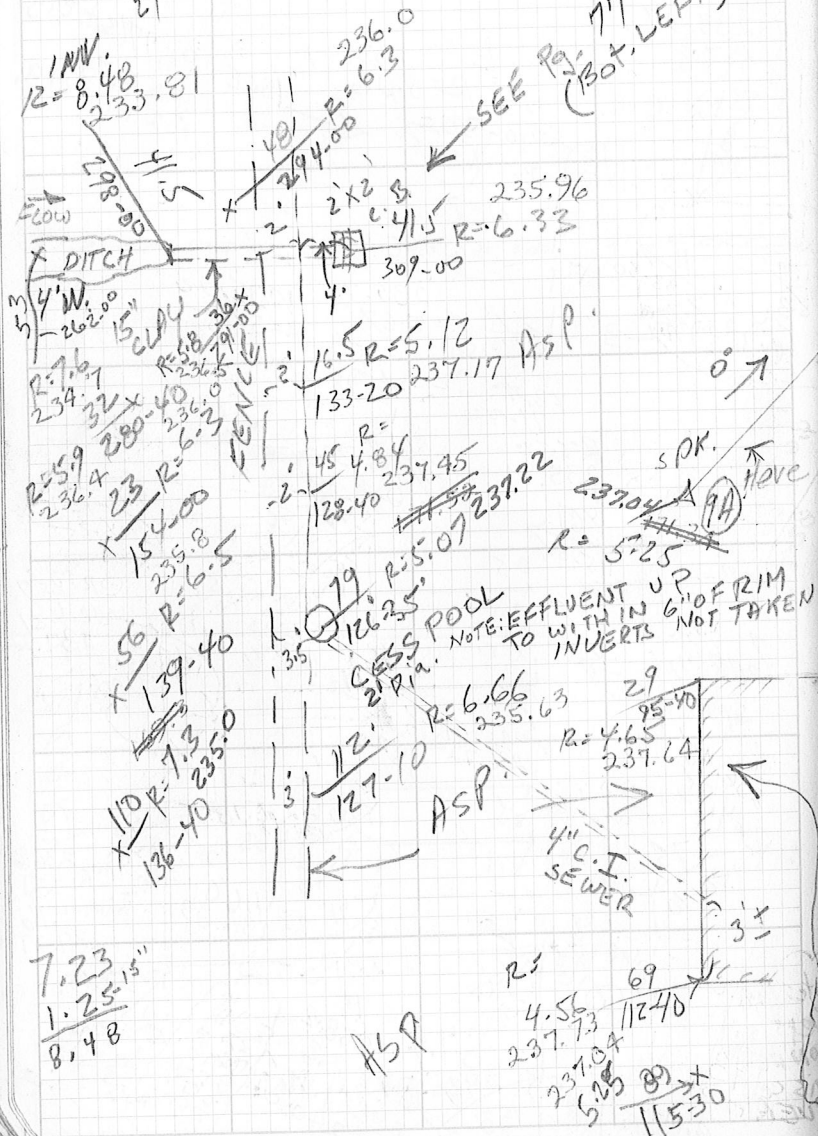
# 68 WESTWOOD PUBLIC LIBRARY

# TOPO SURVEY

69

Inst.	Tape	Wthr & Temp.	Date	Crow
81	236.03			242-29
	292-40	+5.44		

Inst.	Tape	Wthr & Temp.	Date	Crow
	236.85	Conc. Apron	11/30/89	SIMPSON Goniffi Kelly
		P.63		



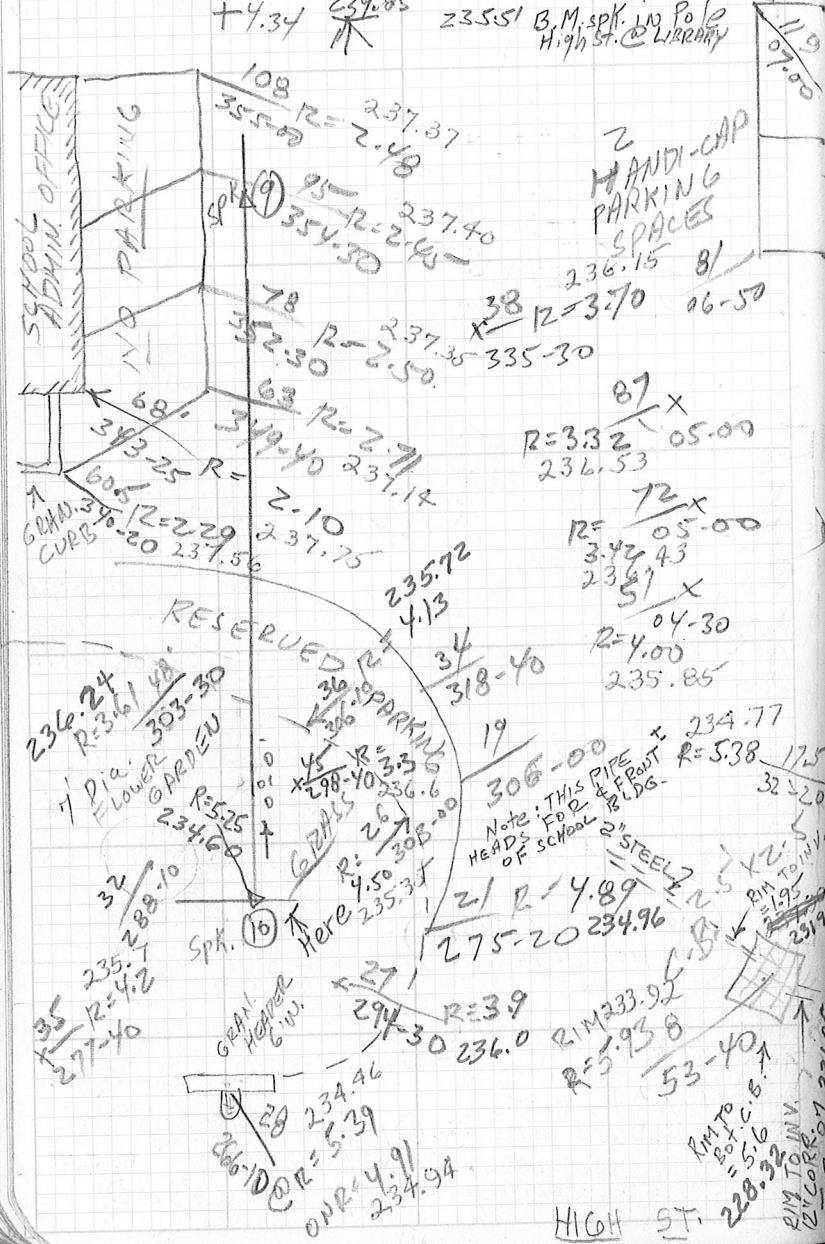
$+351 \uparrow 24/30 - 6.50 \text{ T.P. } 235.79$   
 Notes: According to the Maint. Dept. this BLDG. IS NOT CONNECTED TO TOWN SEWER. This cess pool FREQUENTLY OVERFLOWS.  
 -1.31 B.M. Chis. SQ. @ LIBRARY  
 239.99 - USE 240.00

# 70 WESTWOOD PUBLIC LIBRARY - TOPO SURVEY

71

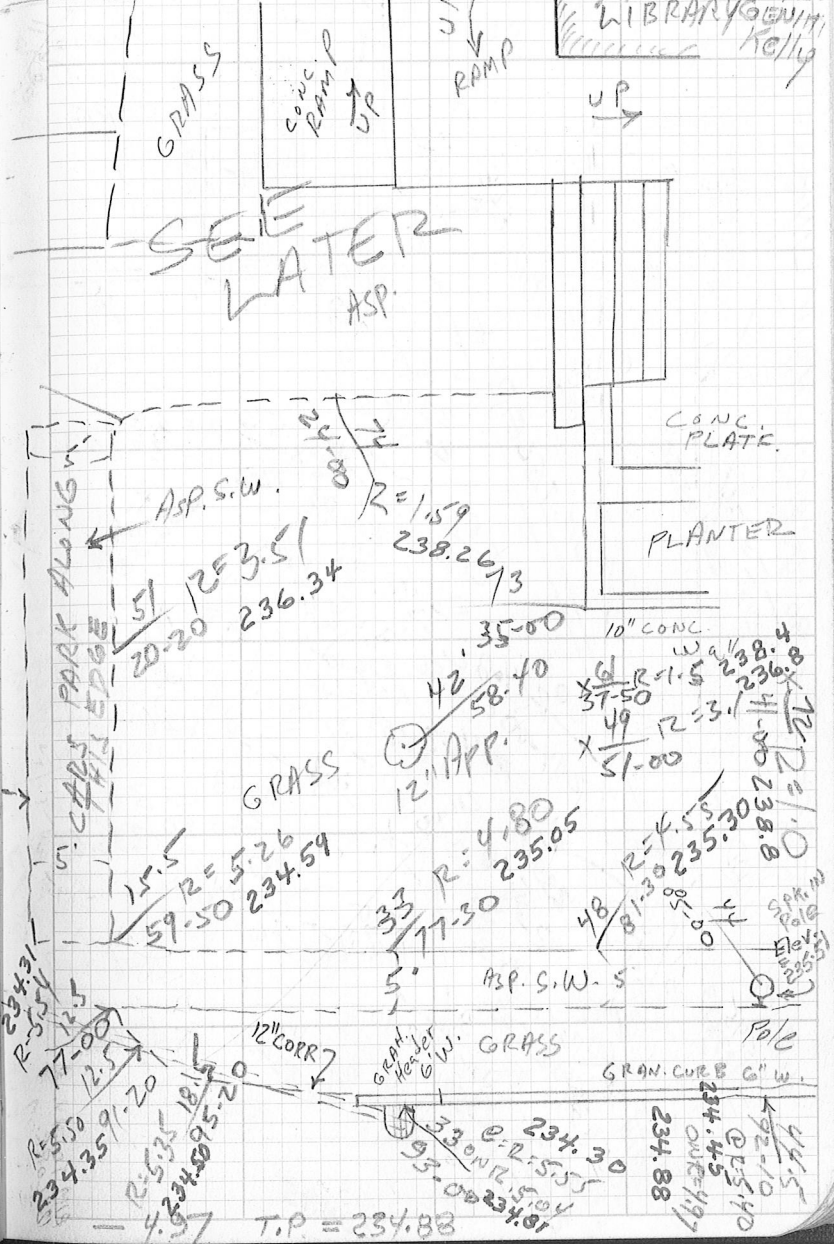
Inst. 522 Tape Wthr & Temp. Date Crew

+4.34 239.85 235.51 B.M. spk. in Pole High St. Library



Inst. Tape Wthr & Temp. Date Crew

12/1/87 LIBRARY GUNN, Kelly





# 74 WESTWOOD PUBLIC LIBRARY

Inst. \_\_\_\_\_ Tape \_\_\_\_\_ Wthr & Temp. \_\_\_\_\_ Date 2/2.05 Crew \_\_\_\_\_

+2.05



(9)

00  
4

TACK  
ON  
LINE  
(9B)

Here

74.1

(12)

5M

(10)

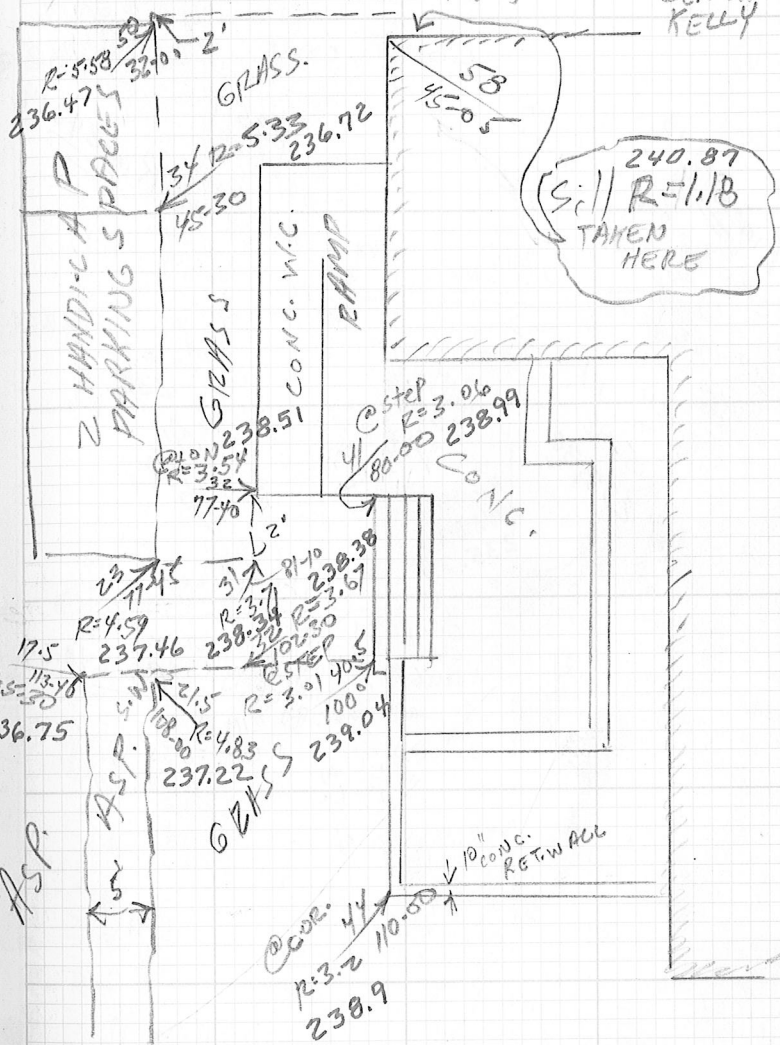
SPK

# TOPO SURVEY

75

Inst. \_\_\_\_\_ Tape \_\_\_\_\_ Wthr & Temp. \_\_\_\_\_ Date 12/5/89 Crew SIMPSON GEN ITTI KELLY

240.00 B.M. chis. sq @ LIBRARY



HIGH ST.

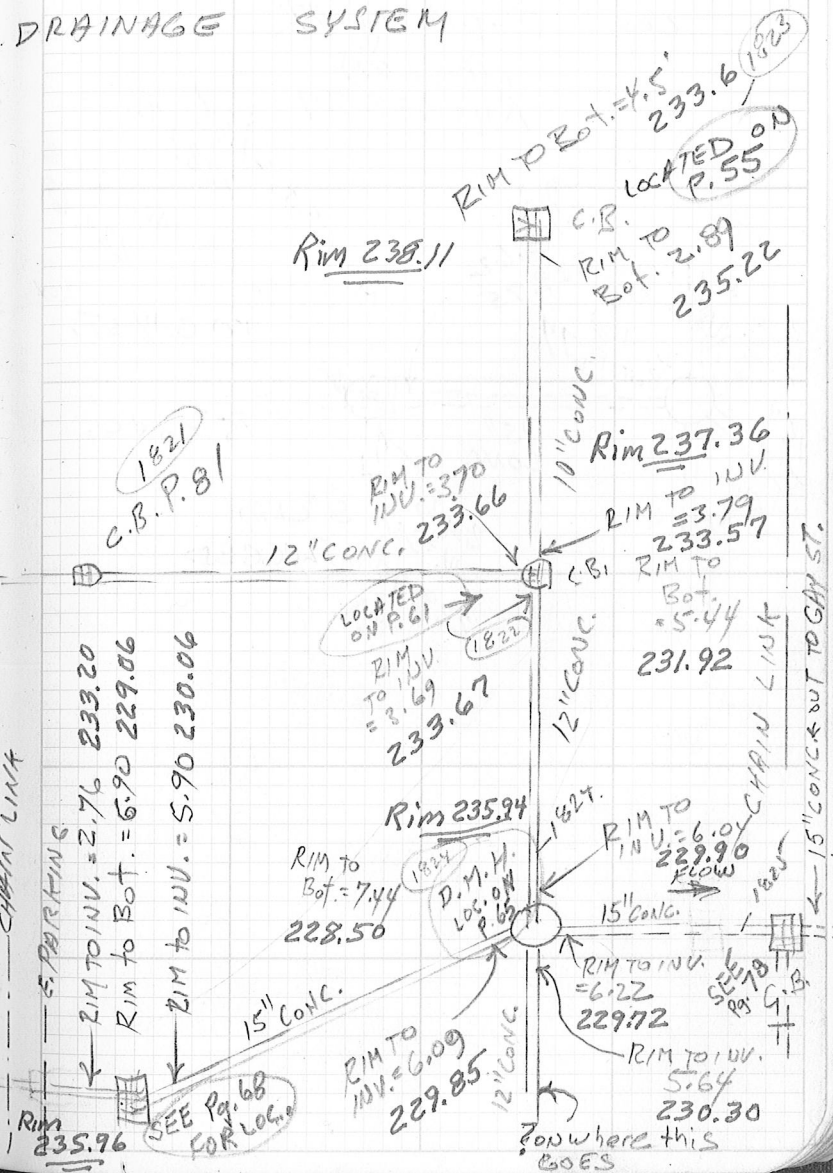
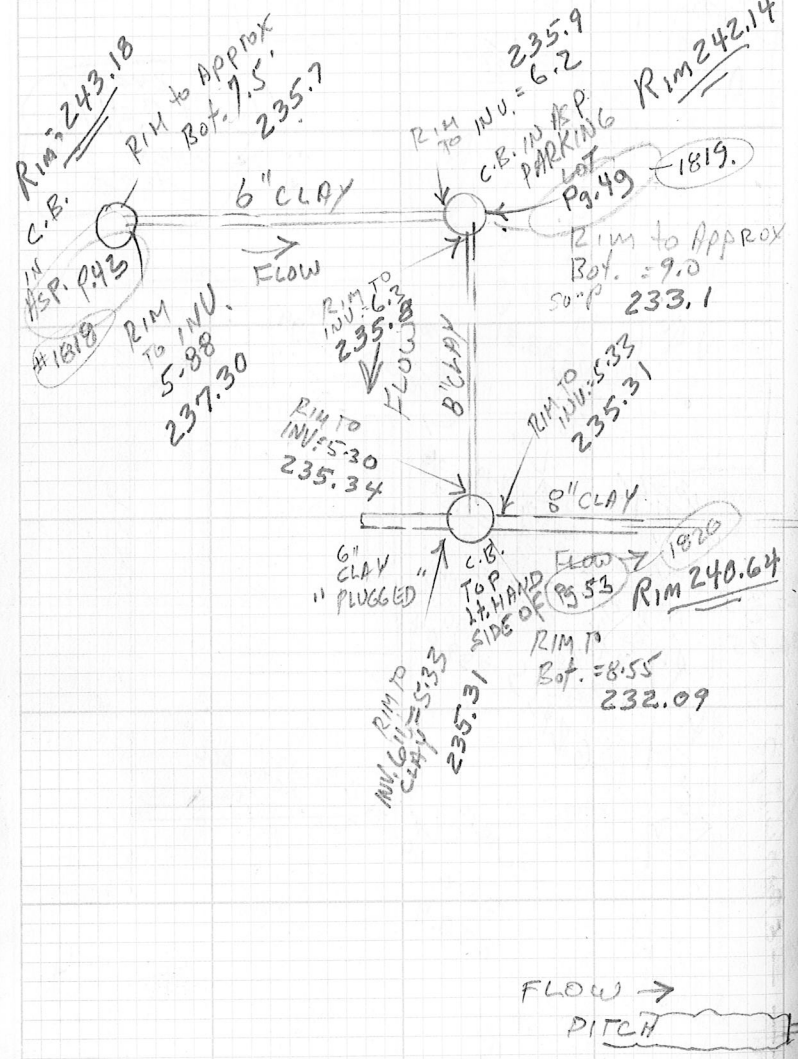
6.54 = 23551 SPK. IN Pole  
Pg. 34



Inst. Tape Wthr & Temp. Date Crew  
 12/5/89 SIMPSON  
 GENI/II  
 KELLY

Inst. Tape Wthr & Temp. Date Crew

COMPOSITE SKETCH OF DRAINAGE SYSTEM



FLOW →  
 PITCH

SEE Pg. 68 FOR LOC.

For where this GOES

1/522

Type Withr & Temp.

Date

Crew

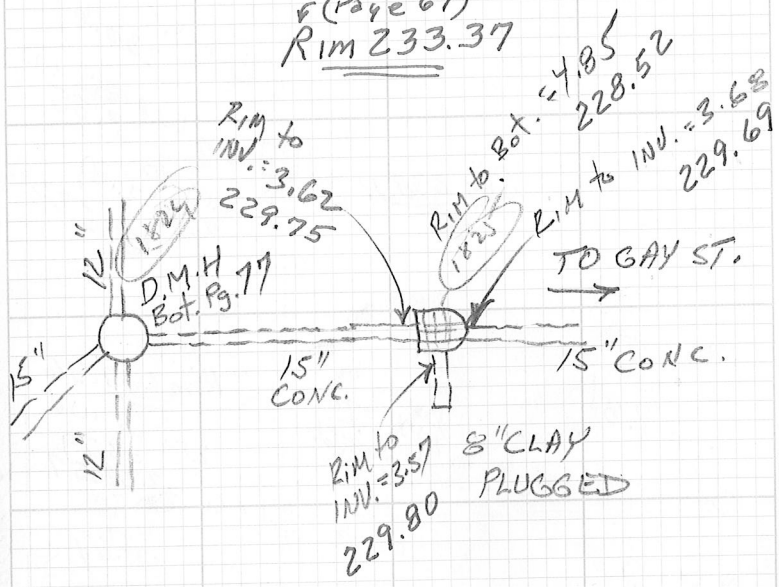
12/7/89

SIMPSON  
GEN INT  
KELLY

### DRAINAGE SKETCH

CON'T. FROM Pg. 77

(Page 67)  
Rim 233.37



Type

Withr & Temp.

Date

Crew 79

# 80 WESTWOOD PUBLIC LIBRARY

Inst.            Tape            Wthr & Temp.            Date            Crew SCHOOL  
+2.88

LOCATION OF BURIED C.B. IN FIELD

RIM TO INV. = 3.84  
 234.54  
 8" CLAY

TO C.B. IN CENTER OF FIELD  
 P.77

RIM TO INV. = 3.40  
 234.98

Rim 238.43 LOCATED R.F. side  
 RIM TO APPROX Bot. = 7.4  
 231.0  
 APPROX 4.5 OF WATER C.B.  
 6" CLAY  
 RIM TO INV. = 2.73  
 C.B. IN ASP. 235.70  
 S.W. (WITH SOLID COVER)

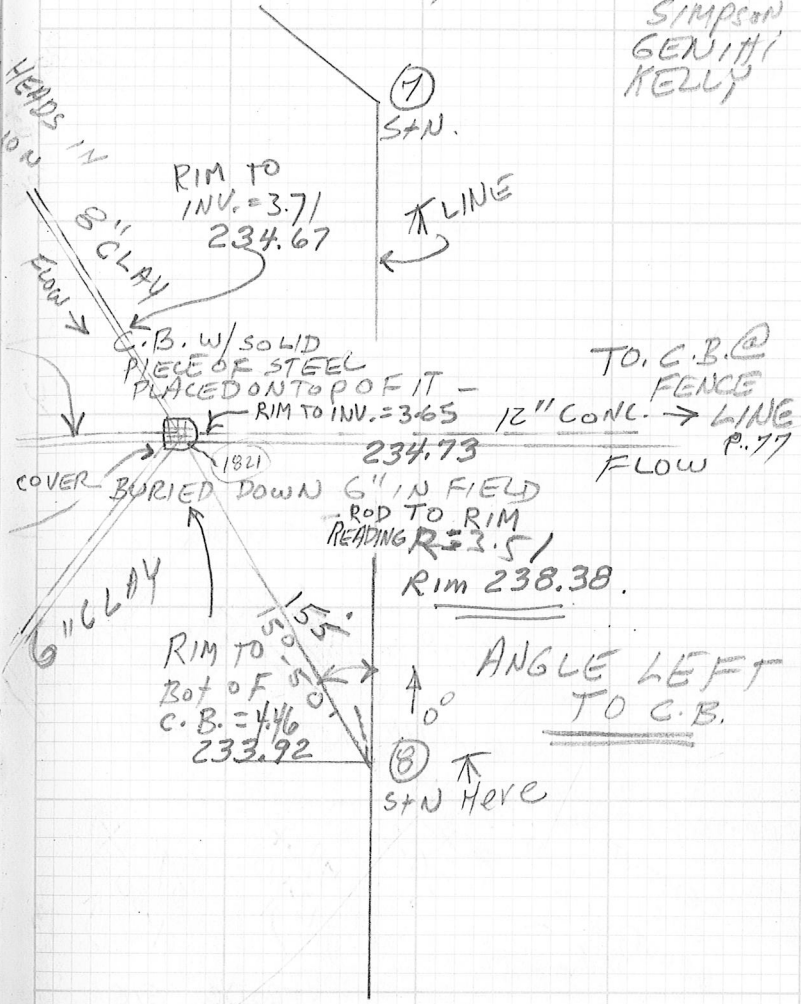
7.4  
 2.0  
 4.4

# TOPO SURVEY

522/81  
 JC

Inst. 24201 Tape            Wthr & Temp. B.M. CHIS. SQ. Date 11/29/89 Crew SIMPSON GENITHI KELLY  
P.34

DIRECTION OF COR. IN SCHOOL



RIM TO INV. = 3.71  
 234.67

① STN.

HEADS IN

8" CLAY

FLOW

C.B. w/ SOLID PIECE OF STEEL PLACED ON TOP OF IT -

RIM TO INV. = 3.65  
 234.73

TO C.B. @ FENCE LINE  
 12" CONCL. → LINE  
 P.77

COVER BURIED

DOWN 6" IN FIELD  
 ROD TO RIM  
 READING R = 3.51

Rim 238.38

6" CLAY

RIM TO Bot of 15' C.B. = 4.46  
 233.92

ANGLE LEFT TO C.B.

② STN Here

-0.64 = 24.37 CHIS. WLY. SIDE OF F SQ. P.34

ADDITIONAL LOCATIONS - REAR OF

MONTROSE



29 X  
15-20

43 X  
345-45

62 X  
344-30

Possibly they have to do with the old Septic System ???

ATHLETIC

FIELD

CEMENT COVER DOWN ABOUT 4" H

73 X  
26-30

79 X  
13-40

87 X  
01-00

Note: See SEWER PLANS IT APPEARS THEY MAY BE A LINE OF CESS POOLS ??

STRONG SIGNALS

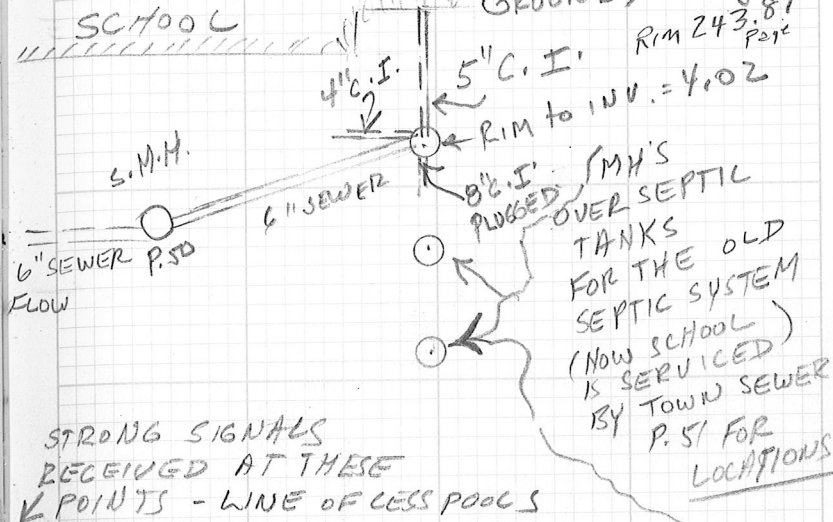
ALSO SLIGHT SPOTS

Inst. Tape Wthr & Temp.

Date 12/7/89 Crew SIMPSON Geni Kelly

MONTROSE SCHOOL

(FROZEN GROUND)



STRONG SIGNALS RECEIVED AT THESE POINTS - LINE OF CESS POOLS

78 X  
327-10

98.6 X  
322-30

101 X  
350-50

115 X  
342-10

129 X  
327-10

STRONG SIGNAL PICKED UP BY LOCATOR - ON EXT. OF 3 M.H.'S

STRONG SIGNALS PICKED UP AT THESE SPOTS

DEPRESSIONS IN GROUND AT THESE SPOTS (3A) GROUND FROZEN - DID NOT DIG UP

84/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

85

86

522

Tape

Wthr &amp; Temp.

Date

Crew

Inst.

Tape

Wthr &amp; Temp.

Date

Crew

87

88  
Inst.

522

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

89

90/522  
Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

91



92/522

Inst.      Tape      Wthr & Temp.      Date      Crew

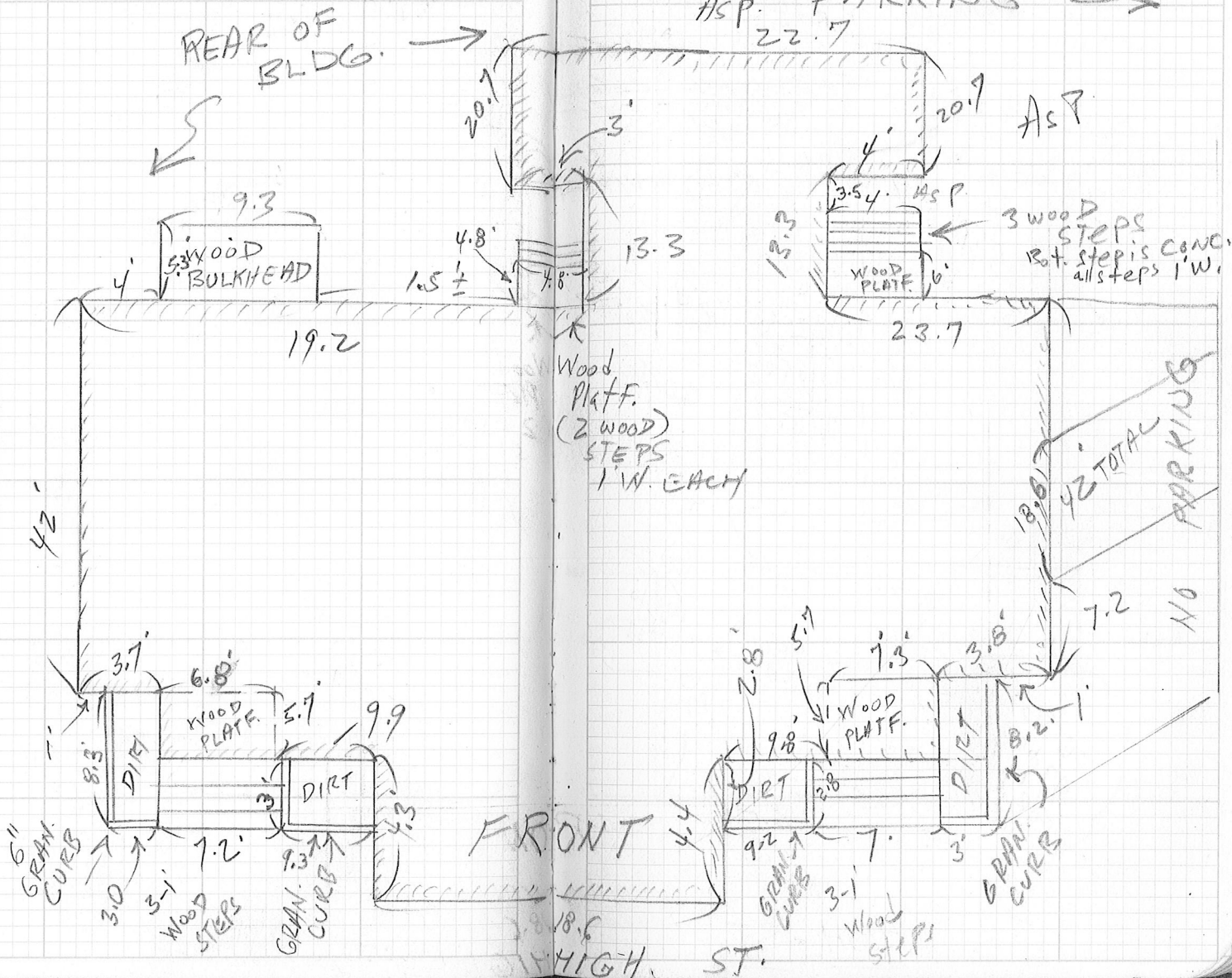
Inst.      Tape      Wthr & Temp.      Date      Crew 93

94 WESTWOOD PUBLIC LIBRARY Inst. TOPO SURVEY 522/JC

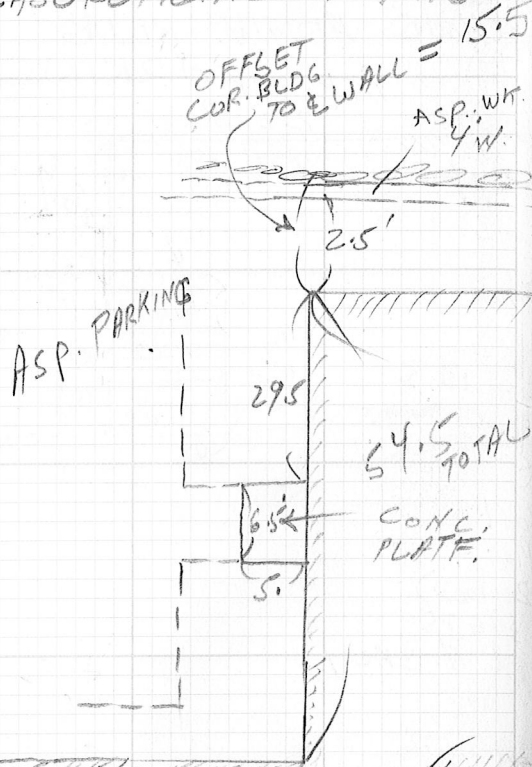
Inst. Tape Wthr & Temp. Date Crew  
 12/5/89 Simpson GENITTI

MEASUREMENTS OF THE SCHOOL ADMIN. BLDG.

ASP. PARKING →



MEASUREMENTS OF THE LIBRARY

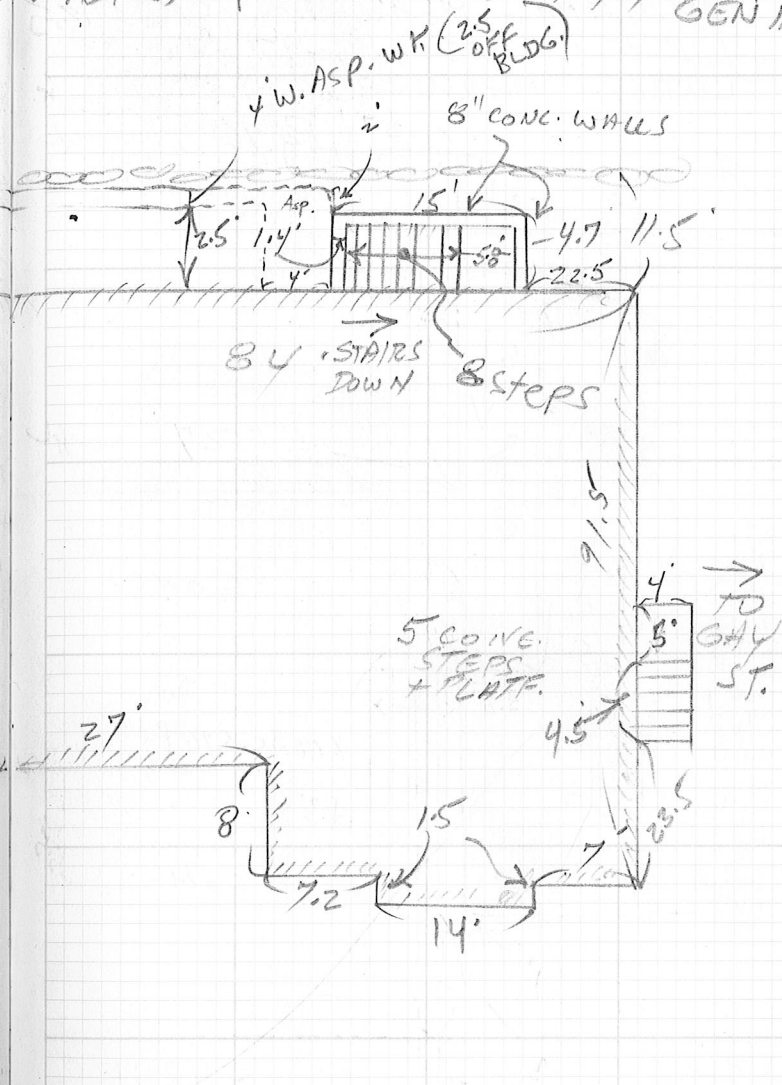


SEE PGS  
 97 & 98  
 FOR THIS  
 AREA

HIGH ST.

LIBRARY

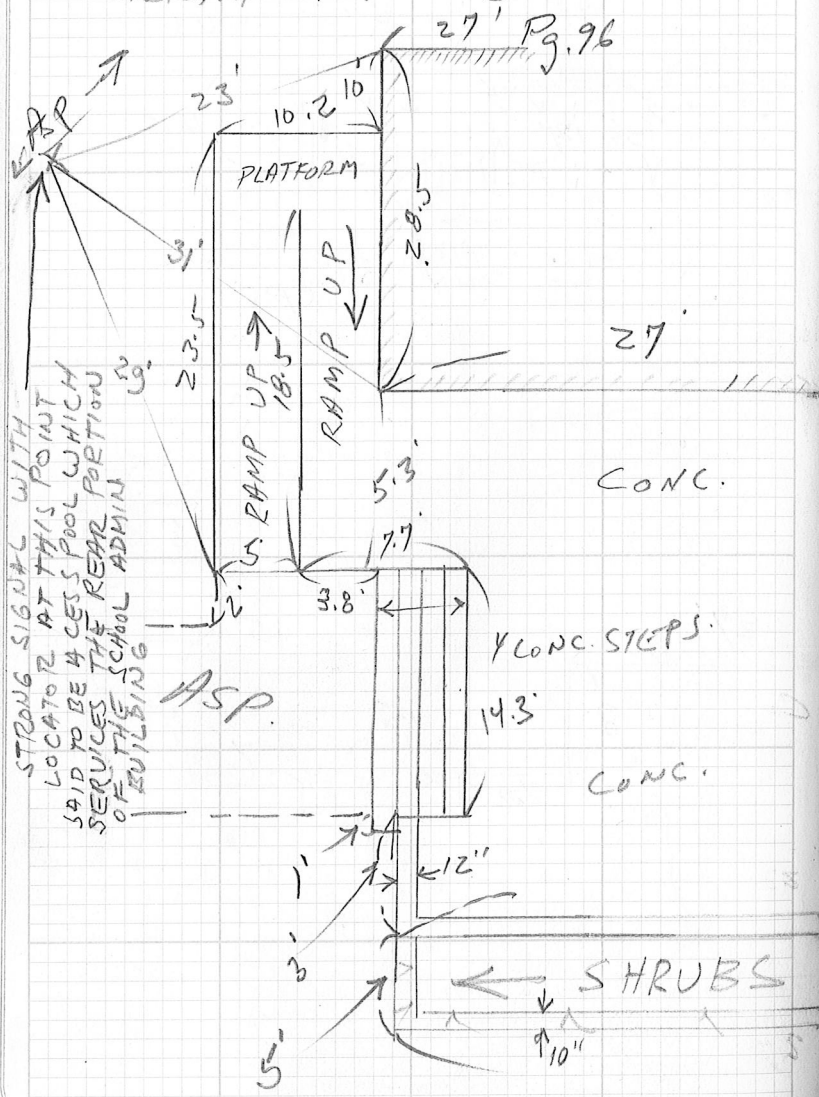
12/5/89  
 SIMPSON  
 GEN ITT



98 WESTWOOD PUBLIC LIBRARY

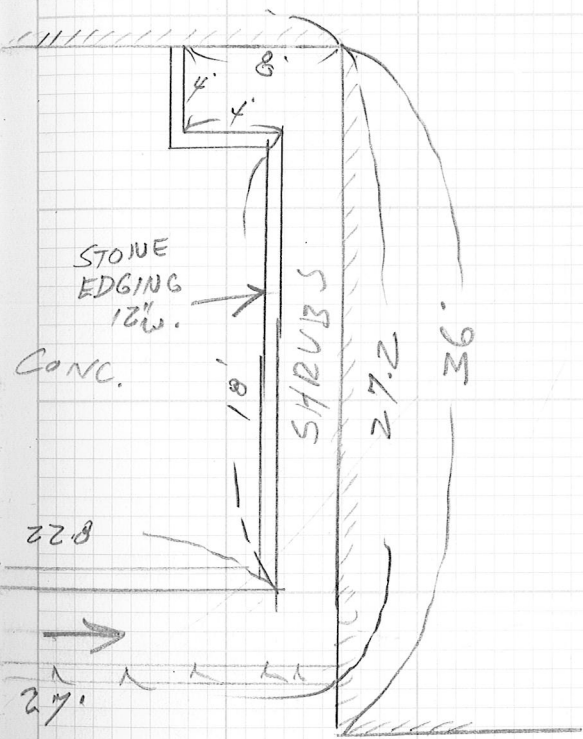
Inst. Tape Wthr & Temp. Date Crew

ADDITIONAL MEASURES ON THE LIBRARY - SEE Pg. 96-97 FOR OTHER LIBRARY MEASURES



Inst. Tape Wthr & Temp. Date Crew 522/99

(74.1)



100/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

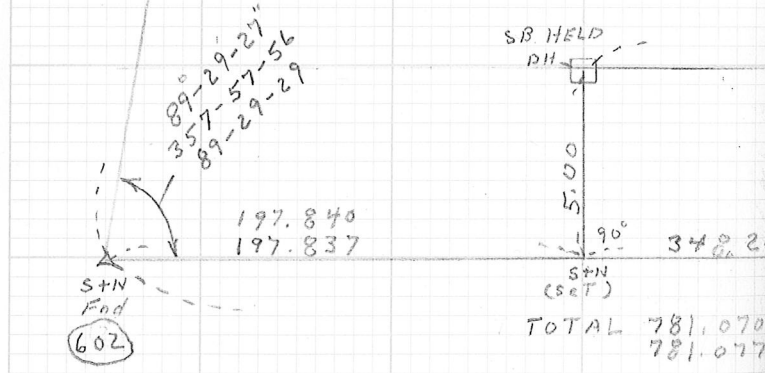
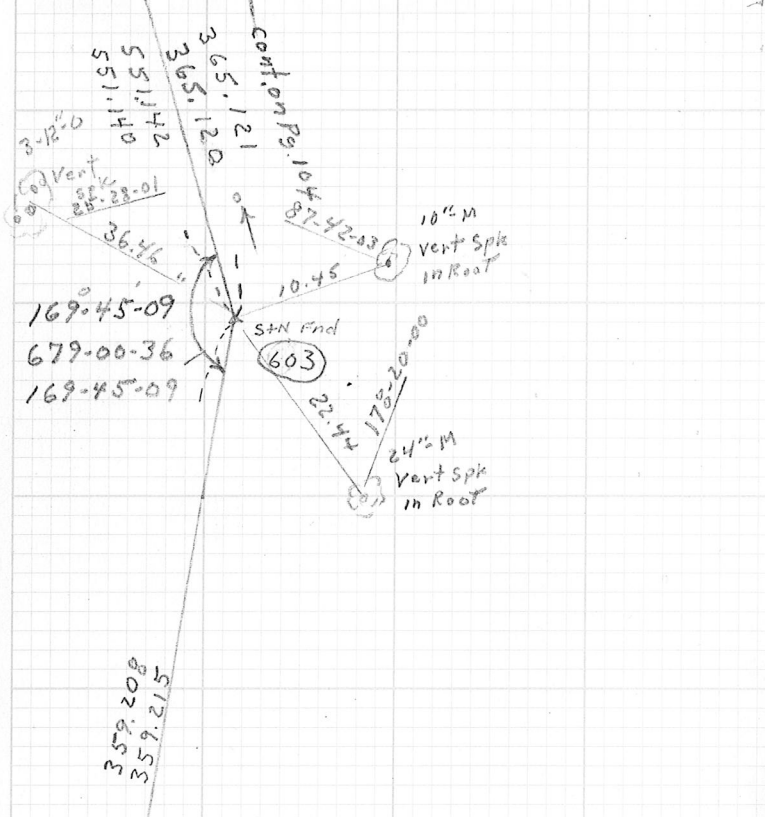
Crew

101

102

TRAVERSE DEER FIELD

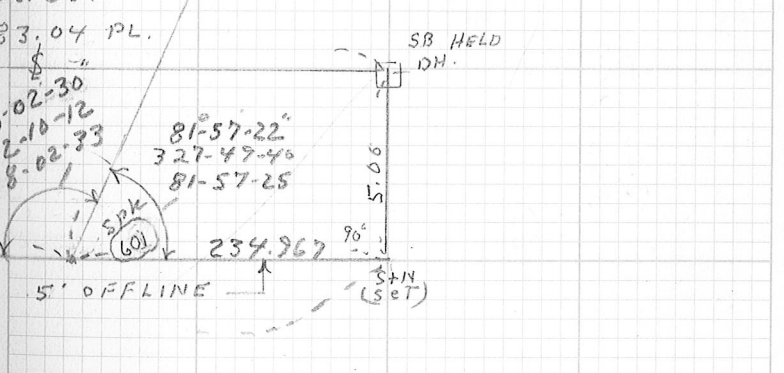
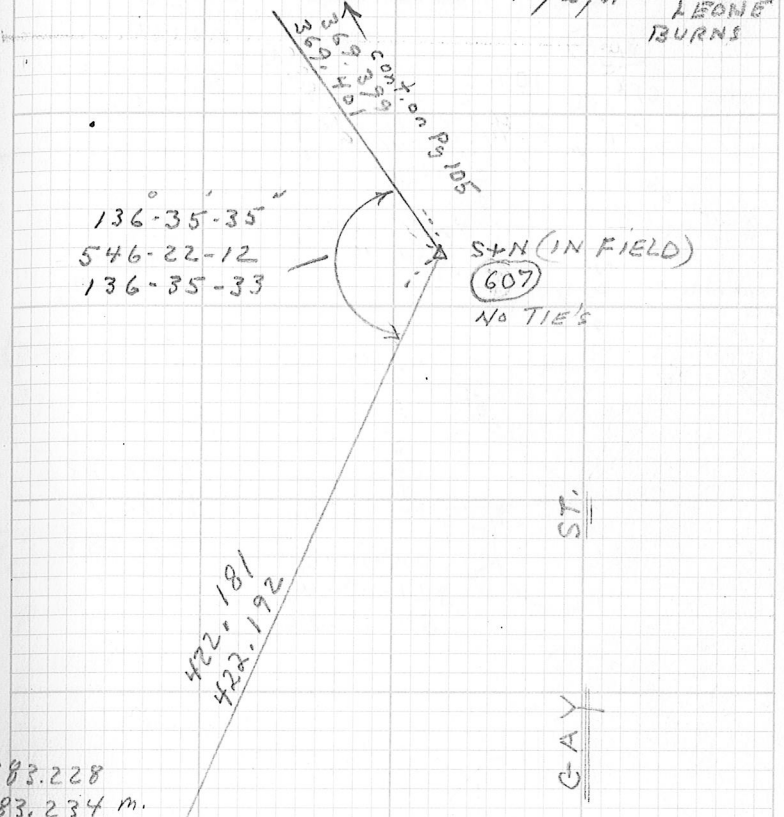
Inst. Tapes Wthr & Temp. Date Crew



HIGH

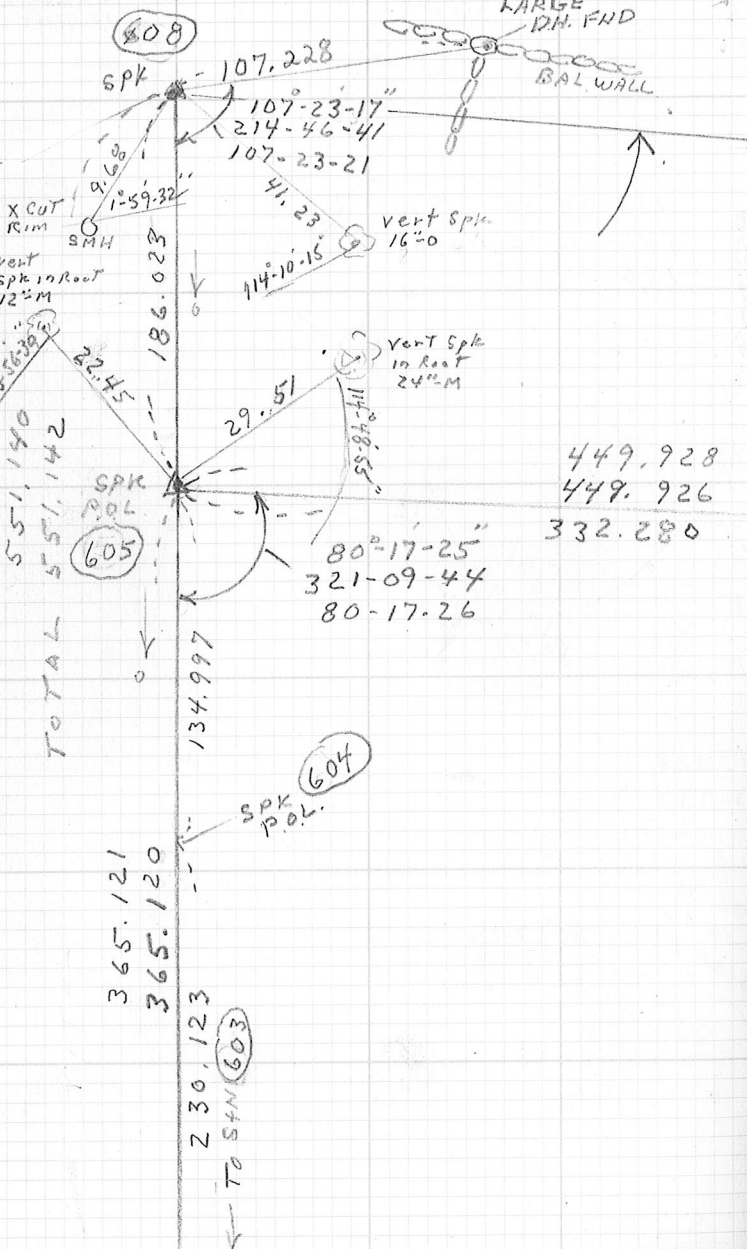
SCHOOL = WESTWOOD

Inst. Tapes Wthr & Temp. Date Crew

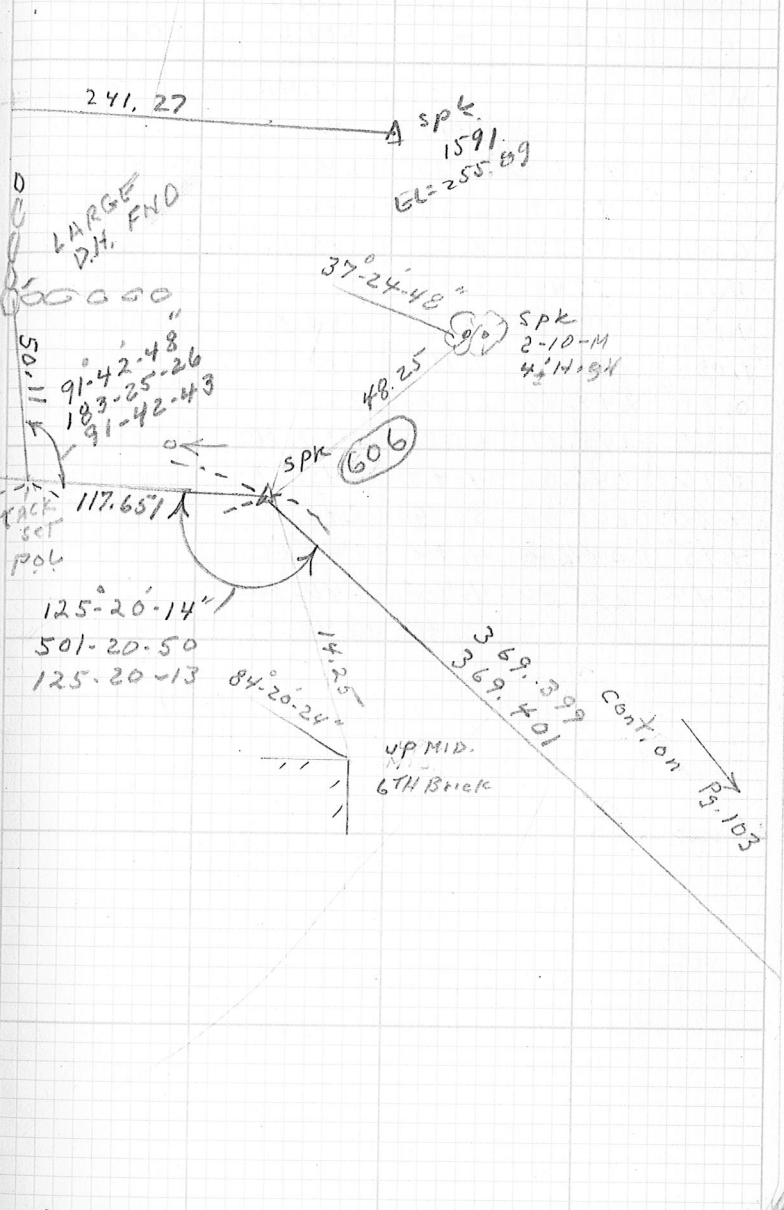


ST.

104 TRAVERSE SURVEY



DEERFIELD SCHOOL - WESTWOOD



+	H.I.	-	ELEV.	ADJ
4.09	248.57		244.48	
3.32	247.72	4.17	244.40	
5.56	247.95	5.33	242.39	
6.31	247.59	6.67	241.28	1
6.07	257.38	2.28	245.31	1
8.11	256.49	3.00	248.38	1
1.14	257.03	0.60	255.89	1
1.08	250.15	7.96	249.07	1
0.78	244.49	6.44	243.71	1
7.56	245.27	6.78	237.71	1
5.16	246.00	4.43	240.84	1
4.88	245.00	5.88	240.12	1
4.75	244.81	4.94	240.06	1
5.44	245.80	4.45	240.36	1
		3.41	242.39	✓

REMARKS

B.M. Chis. SQ. L.O.C. Bot Step (Pg. 35)

B.M. L.O.C. Conc. Platf. Ent. to Gym (Pg. 35)

B.M. VERT R.R. SPK in Root of 32"-M (Pg. 35)

T.P. S+N (603) PG. 102 603

T.P. SPK (604) PG. 104. P.O.L. 604

T.P. SPK (605) PG. 104 605

T.P. SPK (608) PG. 104 608

T.P. High Point Stone

T.P. SPK (606) PG. 105 606

T.P. S+N (607) PG. 103 607

T.P. High Point Stone

T.P. High Point Stone

T.P. S+N (602) Pg. 102 602

T.P. High Point Stone

B.M. VERT R.R. IN ROOT 32"-M (ABOVE)



108

TOPO DEERFIELD SCHOOL

Inst.

Tape

Wthr &amp; Temp.

Date

Crew

100401A

Set on (2) BS (2) EL 241.28

H.I. = 4.98 T.H. = 4.97

PT# 1000 - 1062

Check ok

100401B

Set on (3) BS (2) EL = 240.06

H.I. = 5.03 T.H. = 4.97

PT# 1063 - 1116

Check ok

100901A

Set on 607 BS 606 EL = 243.71

H.I. = 4.95 T.H. = 4.97

PT# 1117 - 1217

Checks ok

100901B

Set on 603 BS 602

H.I. = 4.89 T.H. = 4.97

PT# 1218 - 1266

Checks ok

WESTWOOD

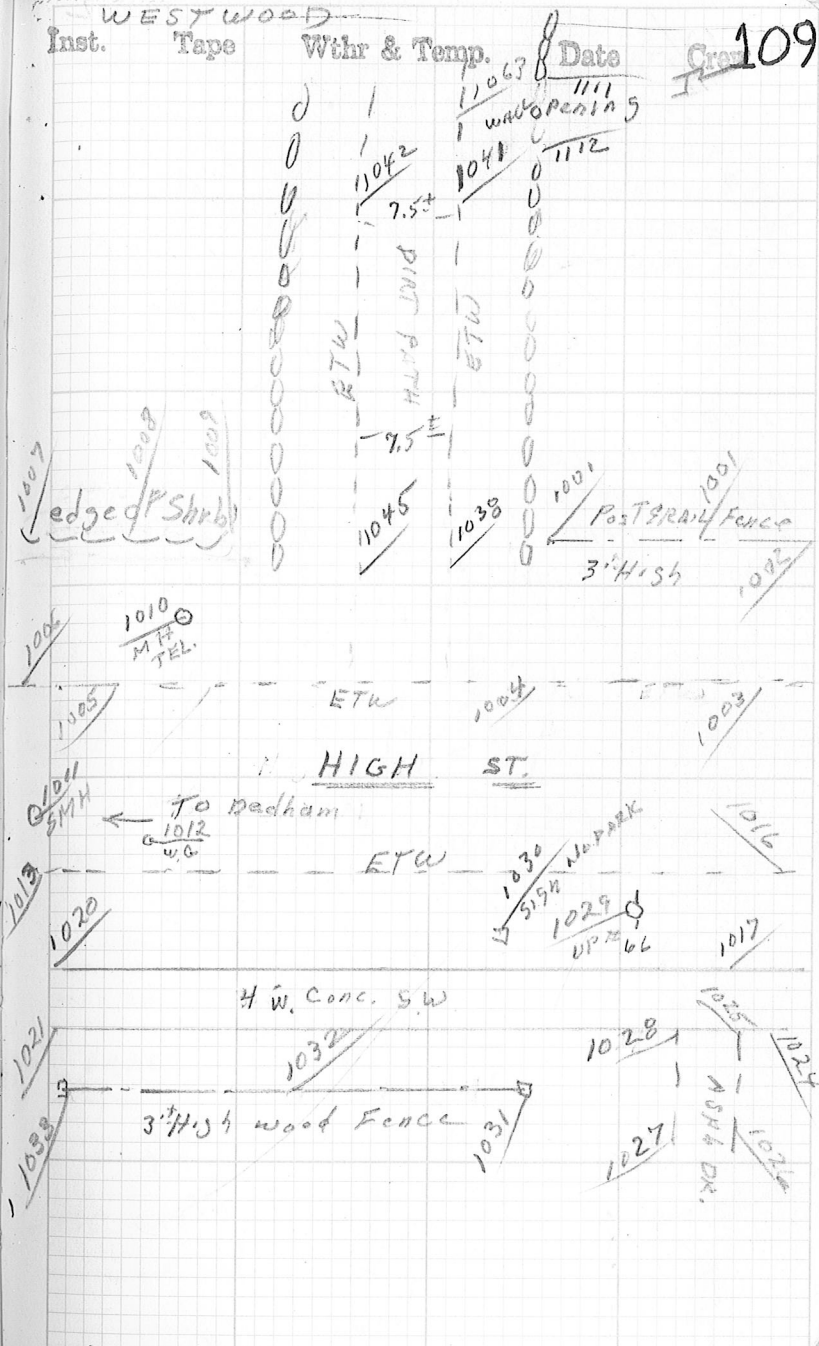
Inst.

Tape

Wthr &amp; Temp.

Date

Crew 109



110

DETAIL DEERFIELD

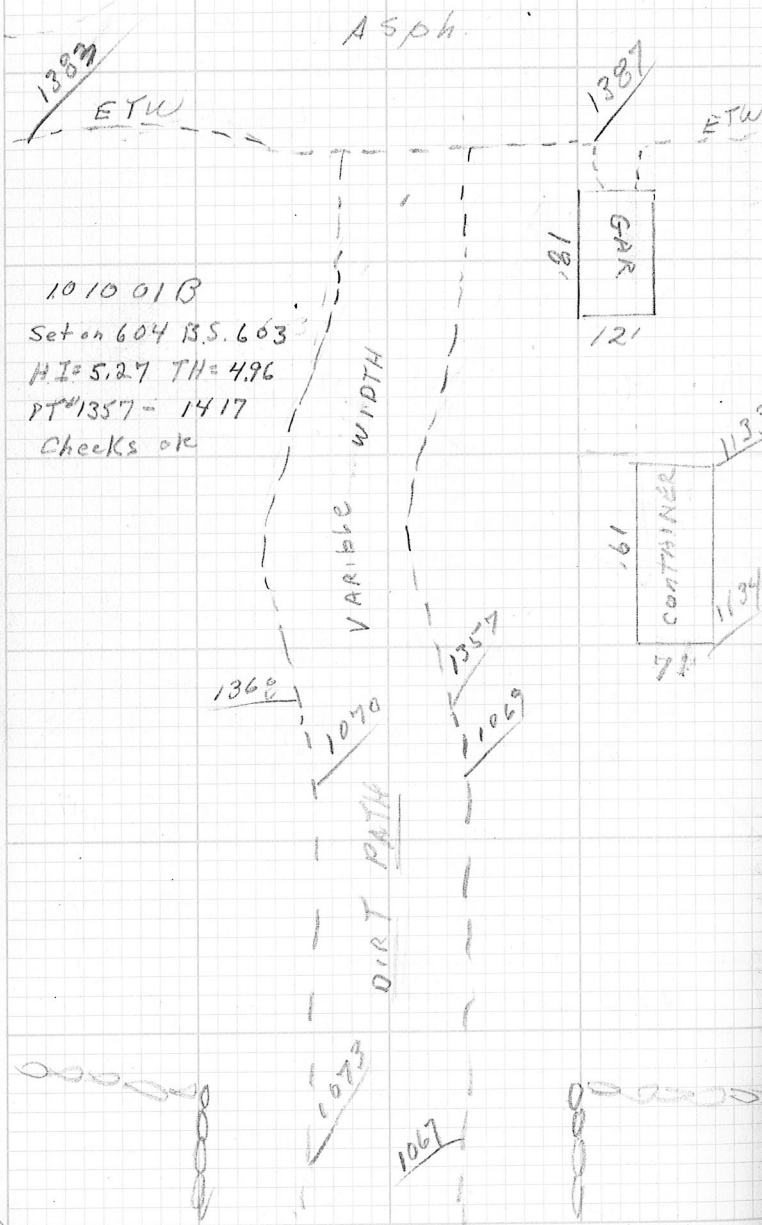
Inst.

Tape

Wthr &amp; Temp.

Date

Crew



SCHOOL - WEST WOOD

Inst.

Tape

Wthr &amp; Temp.

Date

Crew

111



112

## DETAIL DEERFIELD

2

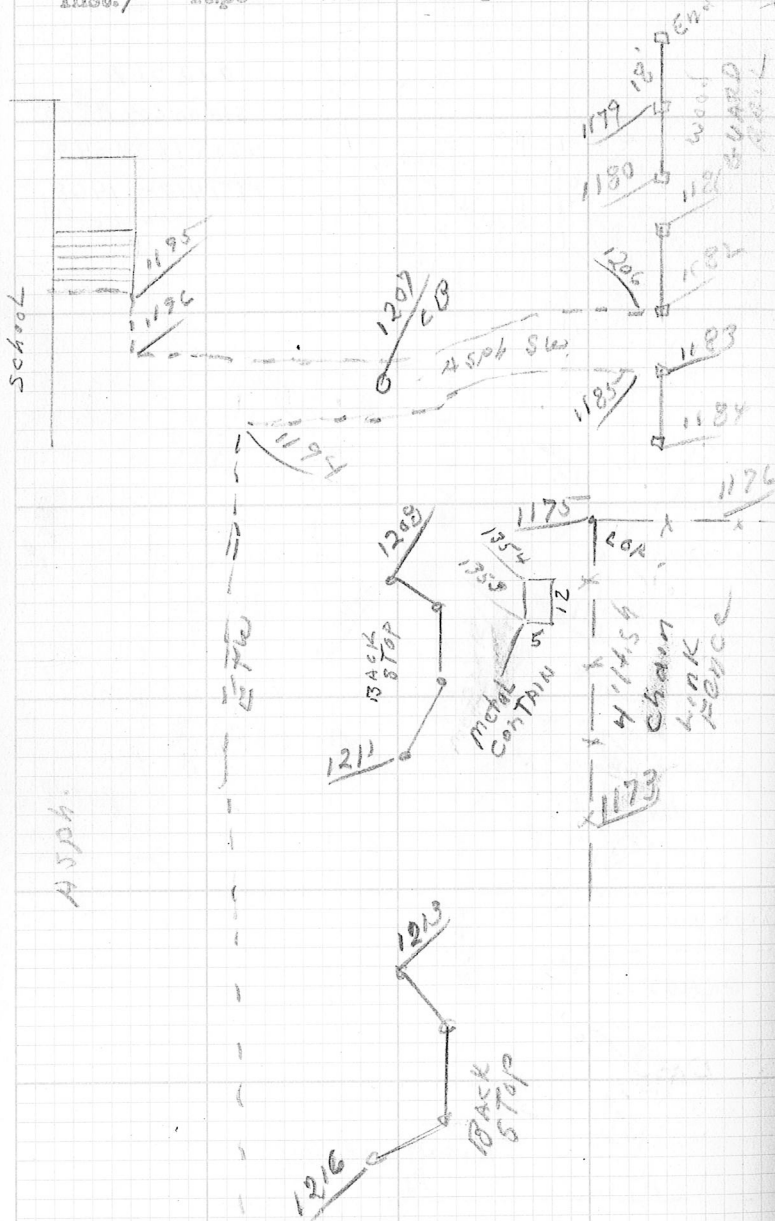
Inst.

Tape

Wthr &amp; Temp.

Date

CROW



## SCHOOL = WESTWOOD

113

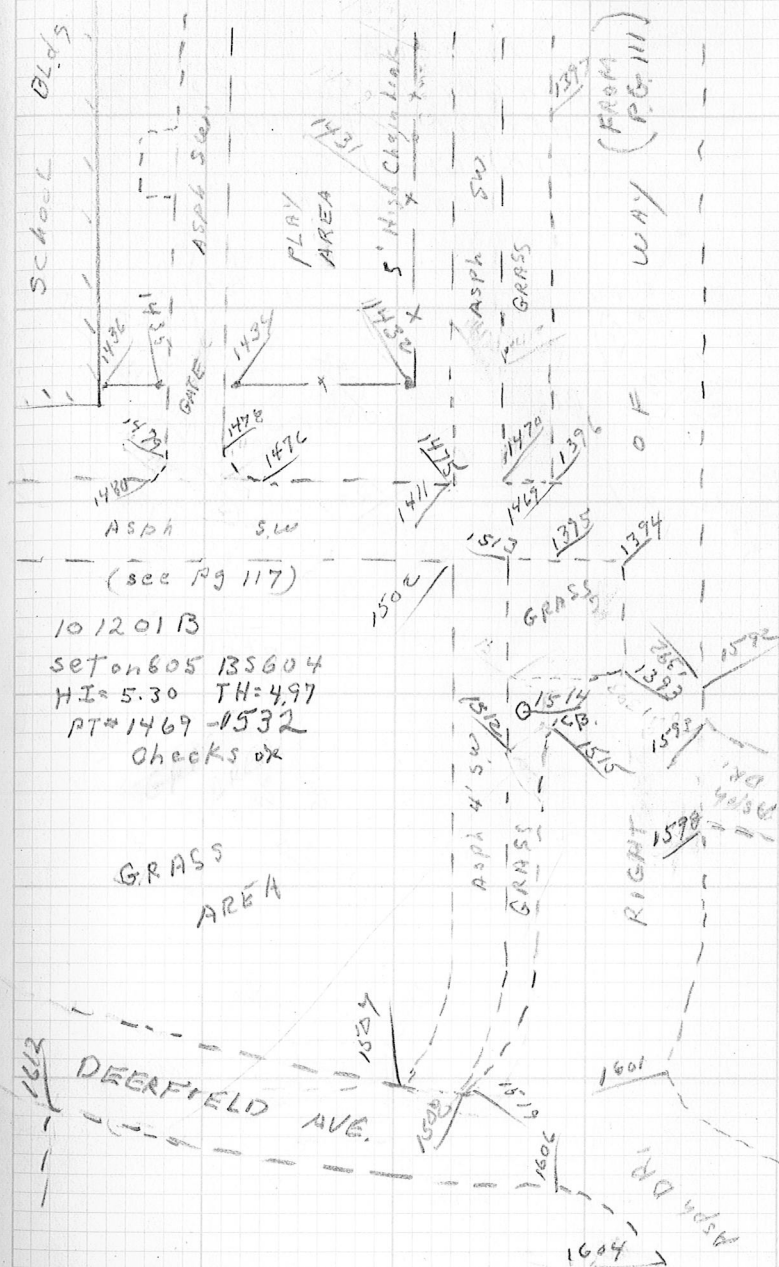
Inst.

Tape

Wthr &amp; Temp.

Date

CROW



114

## DETAIL DEER FIELD

Inst. 522 Tape Wthr &amp; Temp. Date Crew

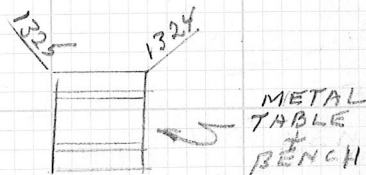
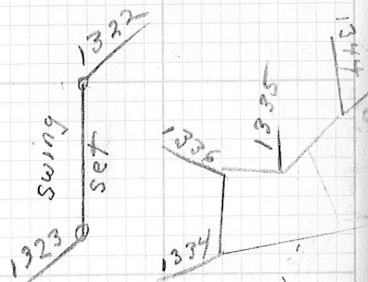
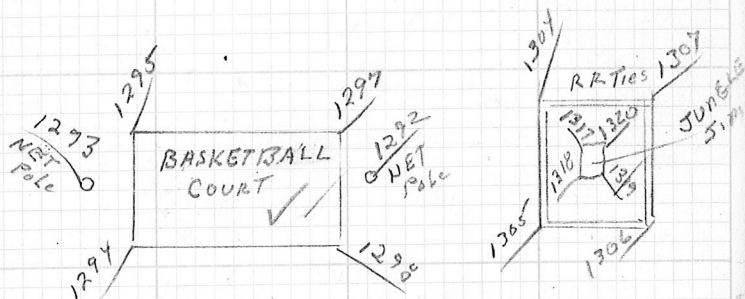
101001A

set on 607 BS 606 EL = 243.71

HI = 4.94 TH = 4.97

PT \* 1267 - 1356

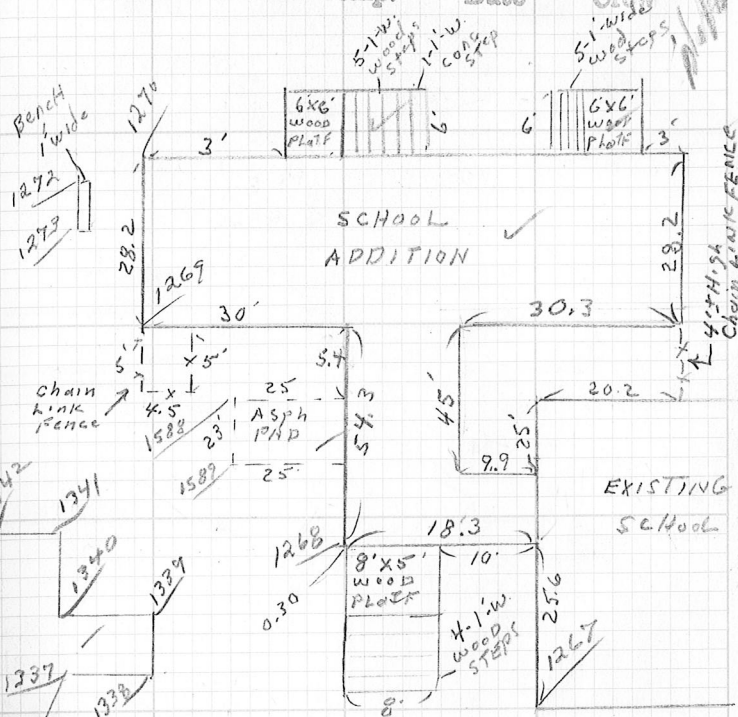
Checks OK



## SCHOOL - WESTWOOD

Inst. Tape Wthr &amp; Temp. Date Crew

115



116

DETAIL

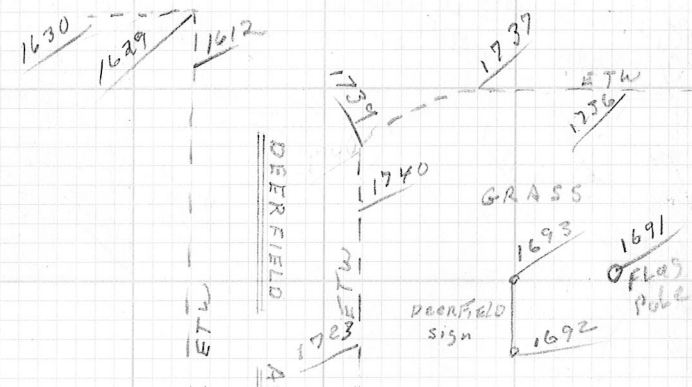
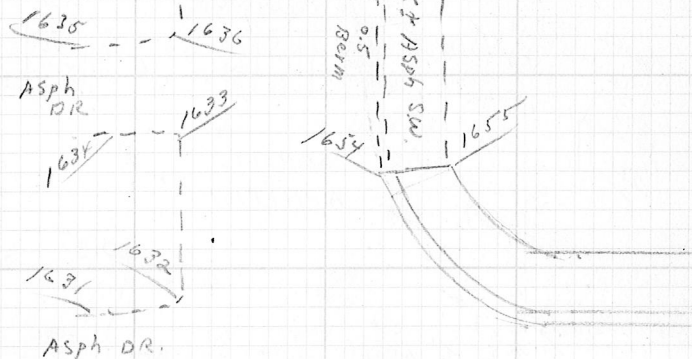
DEERFIELD

Inst. Tape

Wthr & Temp.

Date

Crow



101701 B  
 Set on 1591 BS 608  
 HI = 5.22 TH = 4.97  
 PT # 1679 - 1720  
 Check ok

SCHOOL = WESTWOOD

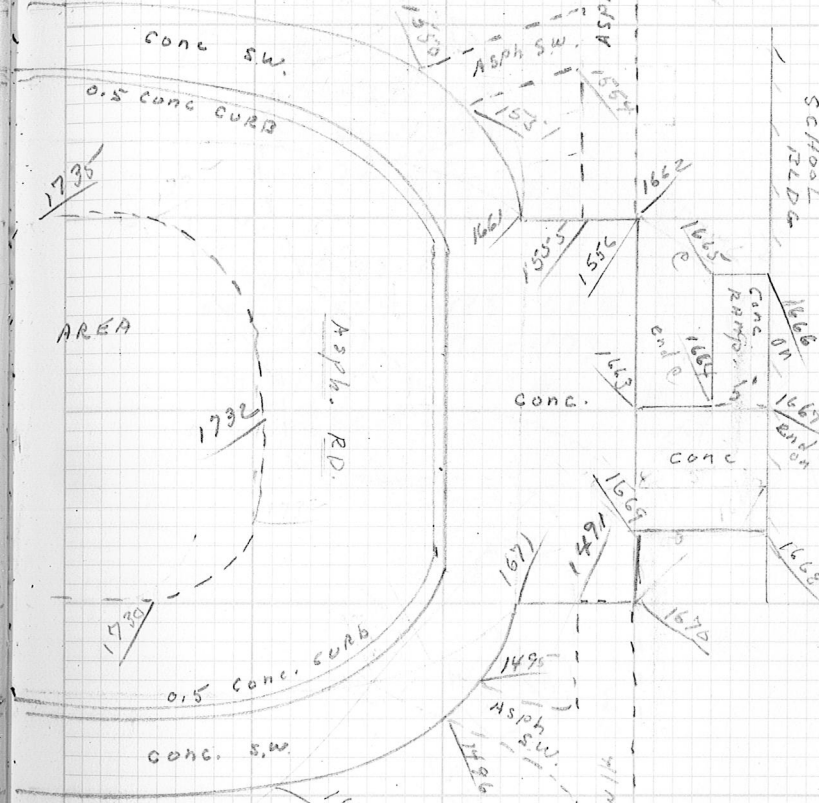
Inst. Tape

Wthr & Temp.

Date

117

101701 A  
 Set on 1591 BS 608  
 HI = 5.09 TH = 4.97  
 PT # 1629 - 1678  
 Checks ok



101601 A  
 Set on 606 BS 605  
 H.I. = 5.39 TH = 4.97  
 PT # 1533 - 1590  
 Checks ok

118

DETAIL

DEERFIELD

Inst.

Tape

Wthr &amp; Temp.

Date

Cros

522

SCHOOL = WESTWOOD

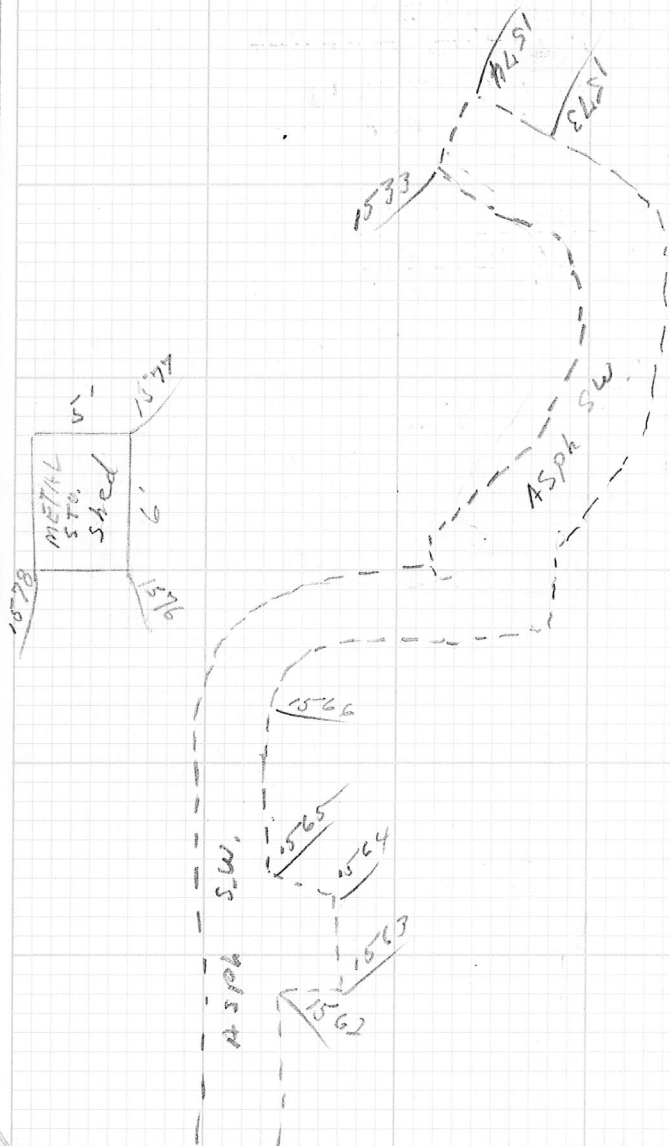
Inst.

Tape

Wthr &amp; Temp.

Date

Cros 119



101601 B  
 set on 608 BS 605  
 HI = 5.43 TH = 4.97  
 PT # 1591 - 1628  
 checks ok

SPK SET # 1591  
 N = 4396.133  
 E = 5007.439  
 EL = 245.151

101801 A  
 set on 1591 BS 608  
 HI = 5.11 TH = 4.97  
 PT # 1721 - 1756  
 checks

120 WEST WOOD - HIGH ST  
 Inst. Tape Wthr & Temp. Date Crew

+	HI.	-	ELEV.	ADJUST
5.37	247.76		242.39	
2.86	247.26	3.36	244.40	
3.13	241.04	9.35	239.91	
2.74	239.93	3.85	237.19	
3.85	239.35	4.43	235.50	
		4.43	234.92	

Inst. Tape Wthr & Temp. Date Crew  
 ET LEVEL COOL 522V/121  
 2-10-2004 KB  
 MS  
 JV

REMARKS

BM VERT R.R. SPK IN ROOT OF 32" MT (PG. 35)

BM L.O.C. CONC. PLATFORM ENT. TO GYM (PG. 35)

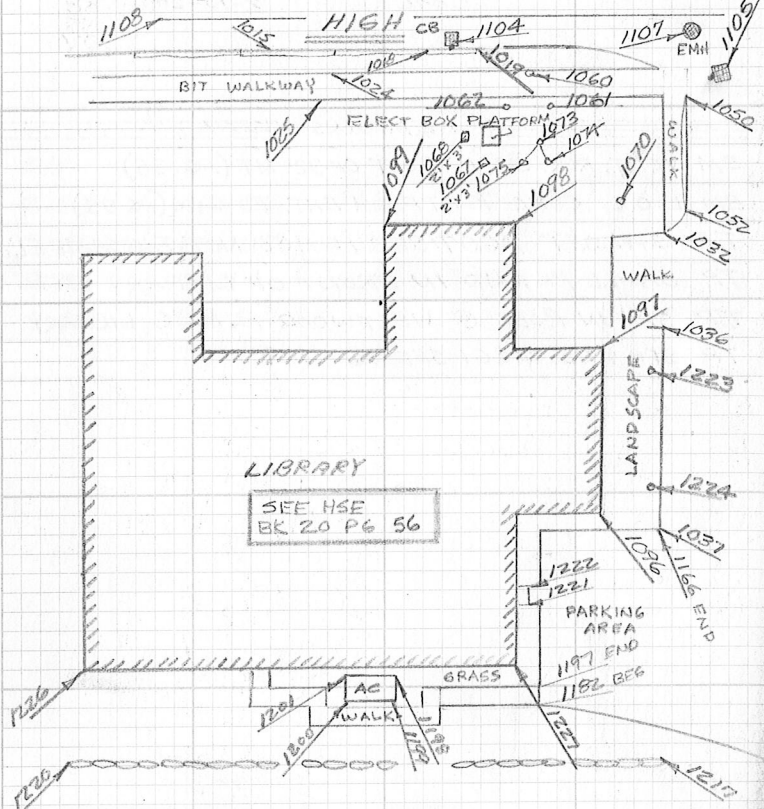
T.P. STN SET #607 SEE PG 103 NOT THE SAME EL.

T.P. SMALL PK END IN FRONT OF LIBRARY STEPS

T.P. SPK IN POLE @ WESTWOOD PUBLIC LIBRARY

TP SPK END #601 SEE PG 103

122 WESTWOOD HIGH ST  
 Inst. Tape Wthr & Temp. Date Crew

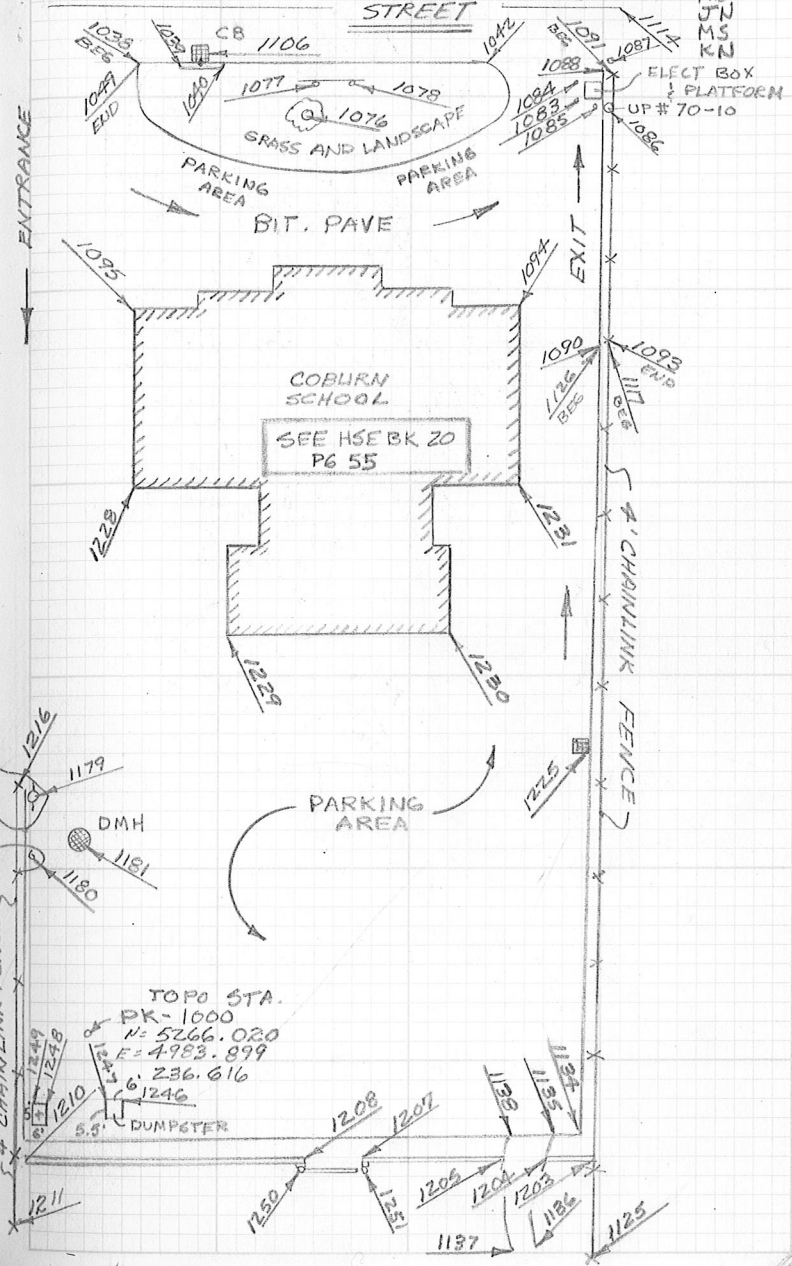


02-11-04A  
 SET ON 601 BS 607 EL. 237.91  
 HI = 4.93 TH = 4.85  
 PT# 1000 - 1116

02-12-04A  
 SET ON TOPO STA PK 1000 BS 601 EL 234.92  
 HI = 5.00 TH = 4.85  
 PT# 1117 - 1202

02-13-04A  
 SET ON TOPO STA PK 1000 BS 601 EL 234.92  
 HI = 4.81 TH = 4.85  
 PT# 1203 - 1257

Inst. Tape Wthr & Temp. Date Crew  
 OTM 420 EDM COOL 2-13-04 KB JN MS KN



TOPO STA.  
 PK-1000  
 N = 5266.020  
 E = 4983.899  
 Z = 236.616  
 5.5' DUMPSTER



124/522  
Inst. / Tape

LINCOLN ST  
Wthr & Temp.

ST  
Date

Crow

Inst.  
TC

Tape  
32

FRANKLIN  
Wthr & Temp.  
5th 90

Date  
5-26-10

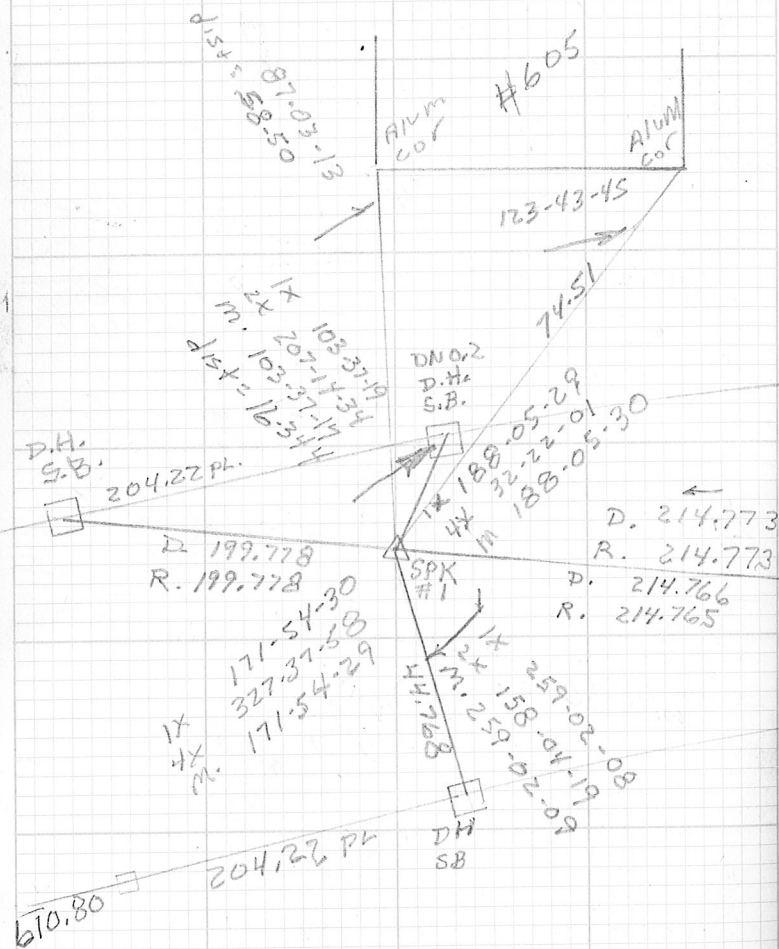
Crow  
GC  
KN

125

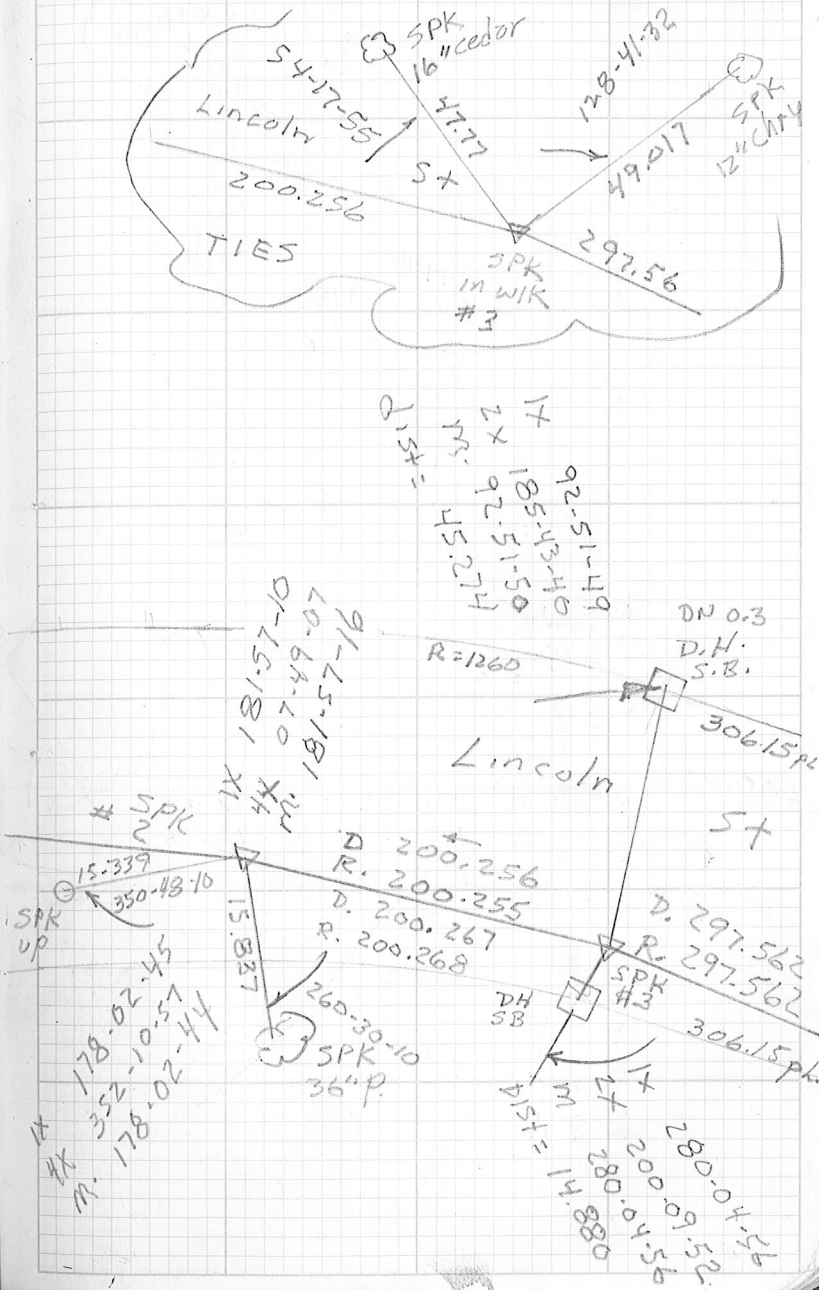
SEE  
N.B. 115/33  
for TIES to  
BOUND 3



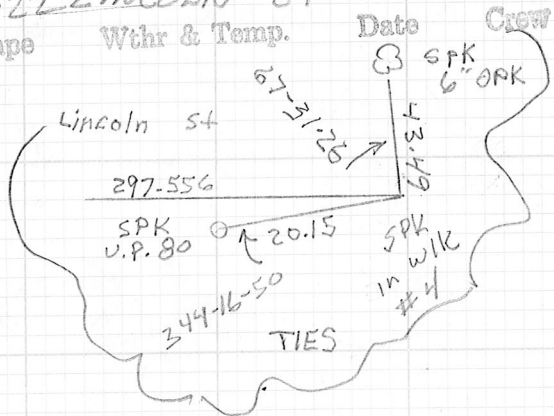
126/522 LINCOLN ST  
 Tape Wthr & Temp. Date Crew



FRANKLIN  
 Inst. Tape Wthr & Temp. Date 127

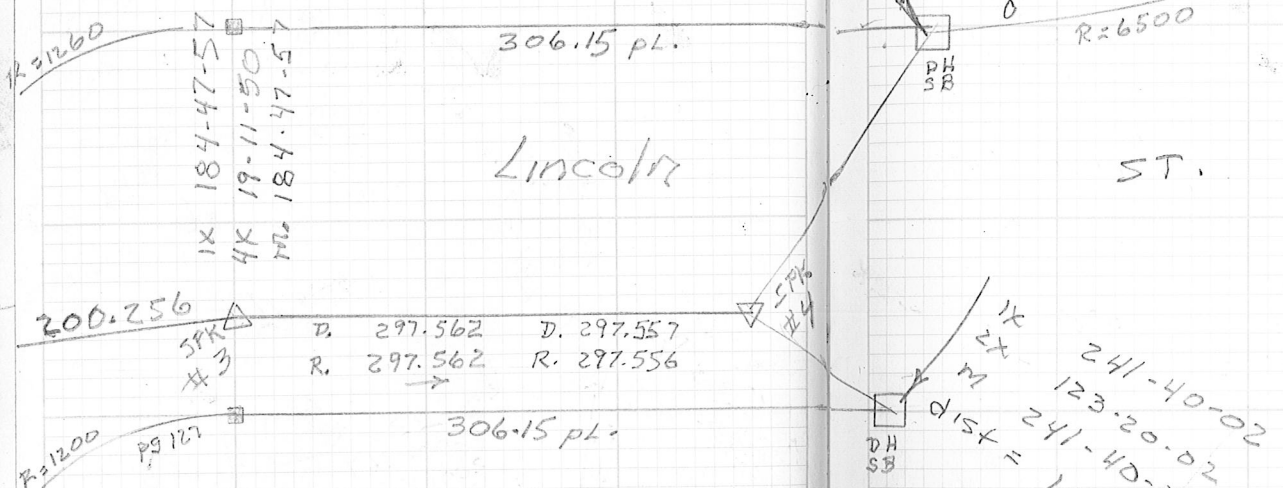


128/522 LINCOLN ST  
 Inst. Tape Wthr & Temp.



FRANKLIN  
 Inst. Tape Wthr & Temp. Date  
 Tc 32 Sun 90 5-26-10  
 129  
 Gc  
 KN

1X 98-36-07  
 2X 197-12-20  
 M. 98-36-10  
 dist = 47.645



1X 241-40-02  
 2X 123-20-02  
 M. 241-40-01  
 dist = 15.377

130/522

Inst.

Tape

Wthr & Temp.

Date

Crow

Inst.

Tape

Wthr & Temp.

Date

Crow

131

132/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

133

134/522

Inst. / Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

135

136 / 522

Inst. Tape Wthr & Temp. Date Crew

Inst.

Tape

Wthr & Temp.

Date

Crew 137

138/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew 139



140

522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

141

142/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew 143

144/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew 145

146/522

Inst.      Tape      Wthr & Temp.      Date      Crow

Inst.

Tape

Wthr & Temp.

Date

Crow 147

148

522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

149

150  
Inst.

522

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

151

152/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

153

154/522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

155



156/522

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

Crew

157

158

522

Inst.

Tape

Wthr & Temp.

Date

Crew

Inst.

Tape

Wthr & Temp.

Date

159

160/522

Inst.

Tapo

Wthr & Temp.

Date

Crow

## INDEX OF CURVE AND REDUCTION TABLES

- Table I—SLOPE STAKE
- Table II—STADIA CORRECTION AND HORIZONTAL DISTANCES
- Table III—TRIGONOMETRIC FORMULAE
- Table IV—NATURAL TRIGONOMETRICAL FUNCTIONS  
CURVE FORMULAE
- Table V—TANGENTS AND EXTERNALS TO A 1° CURVE  
USEFUL RELATIONS
- Table VI—INCHES TO DECIMALS OF A FOOT
- Table VII—MINUTES IN DECIMALS OF A DEGREE
- Table VIII—MIDDLE ORDINATES OF RAILS
- Table IX—SHORT RADIUS CURVES
- Table X—RODS IN FEET, 10THS AND 100THS OF FEET
- Table XI—LINKS IN FEET, 10THS AND 100THS OF FEET