650

NATIONAL

410

CROSS SECTION BOOK

F.B. 650

Property of

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

Address

Telephone 781-461-6128

6 44261 00374 7

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

INDEX

128-131 608.38
N 21.02.30 W

321-31-28

650/1A

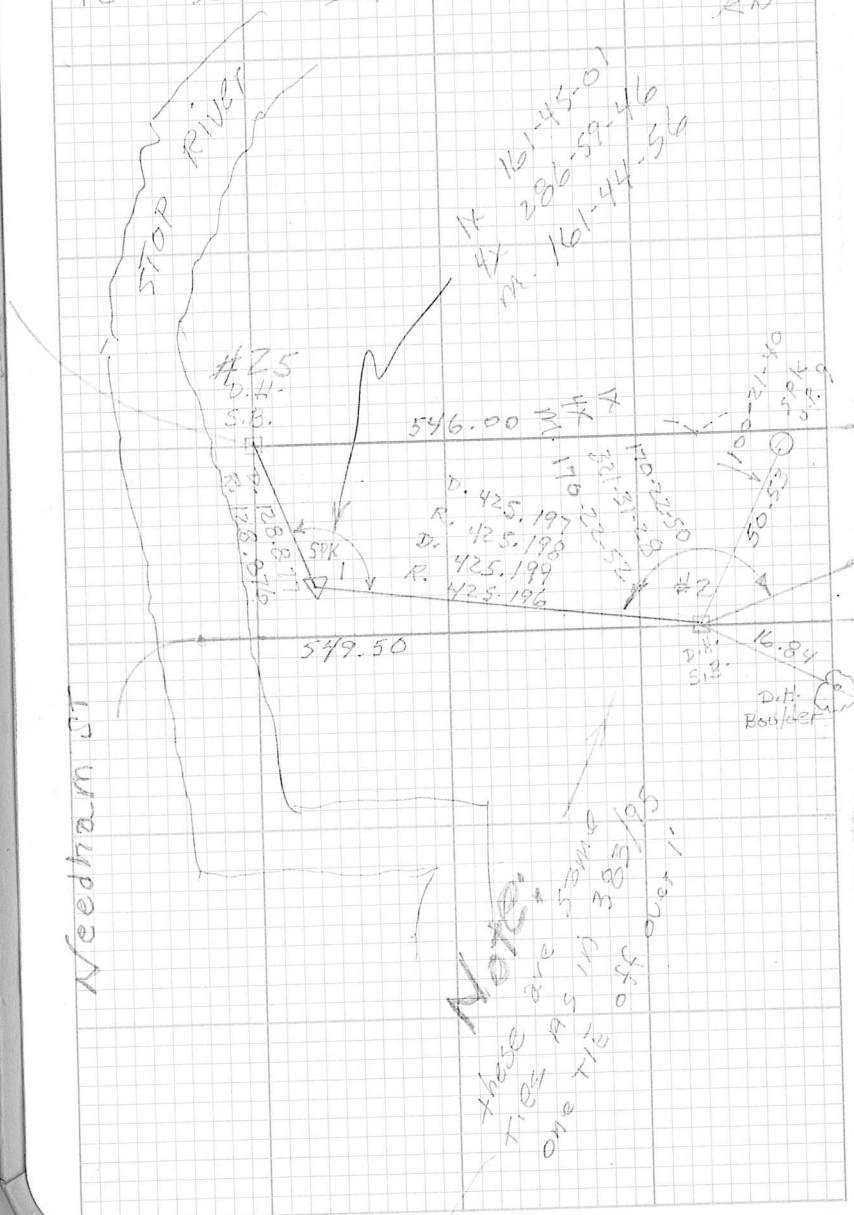
P
1
15

4
SPK
SET

650/1

MAIN ST

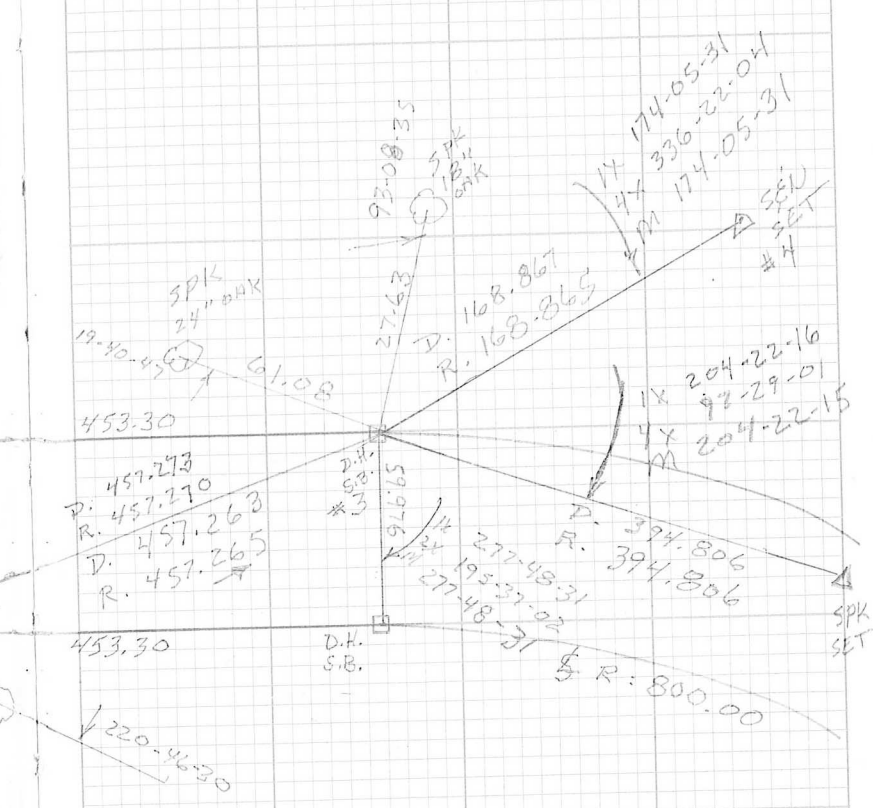
Inst.	Tape	Wthr & Temp		Date	Crew
TC	32	Sun	45	12-10-09	GC KN



NORFOLK

650/2

Inst.	Tape	Wthr & Temp	Date	Crew

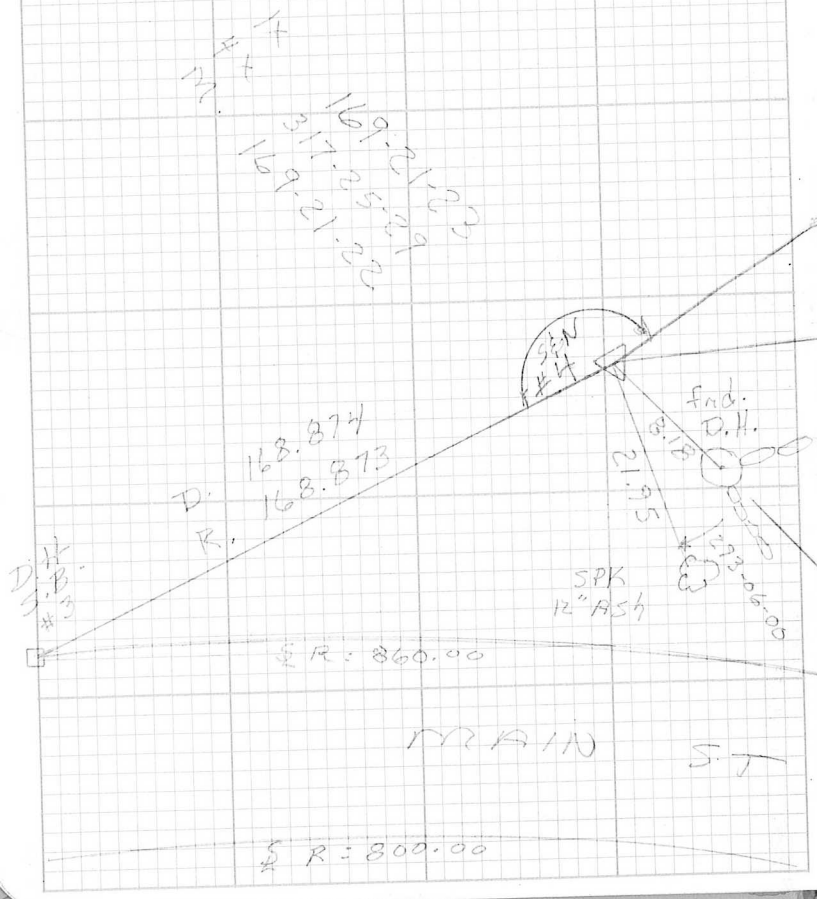


SEE County L.O.
918-919-920 of 26 pl BK 106

650/3

MAIN ST

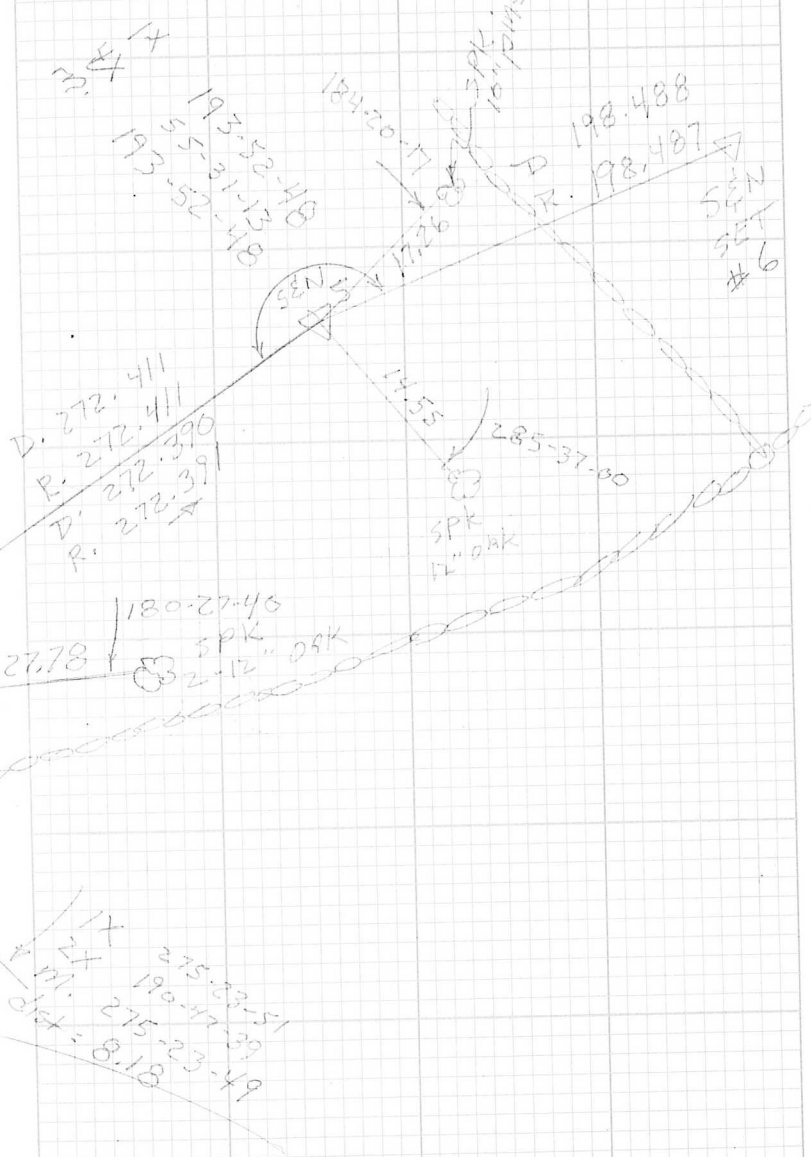
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	0/69	45	12-12-09



650/4

NORFOLK

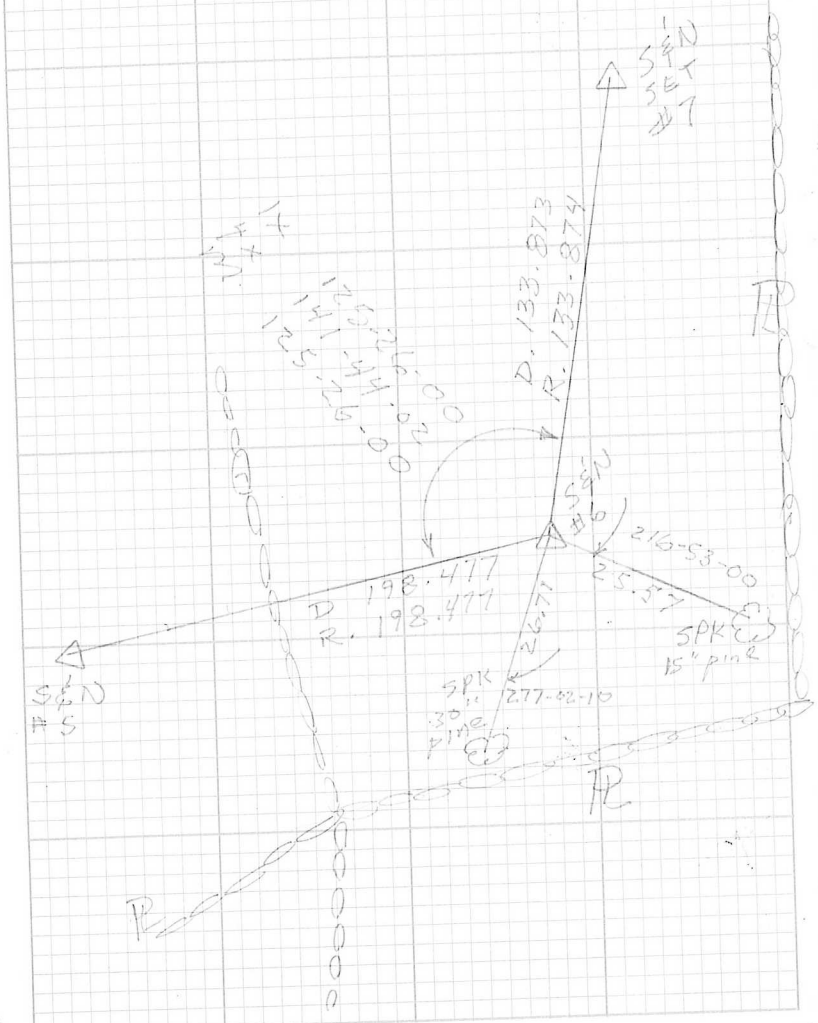
Inst.	Tape	Wthr & Temp	Date	Crew
3.4	74			



650/5

MAIN ST

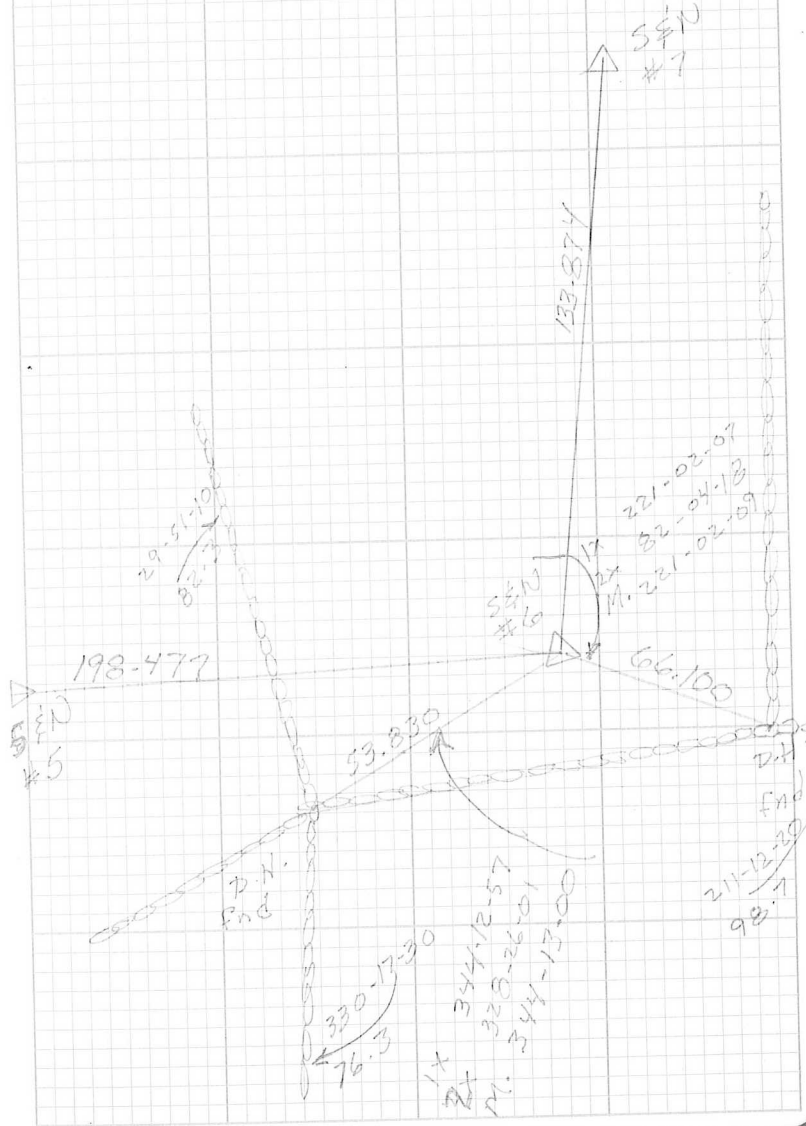
Inst.	Tape	Wthr & Temp	Date	Crew



650/6

NORFOLK

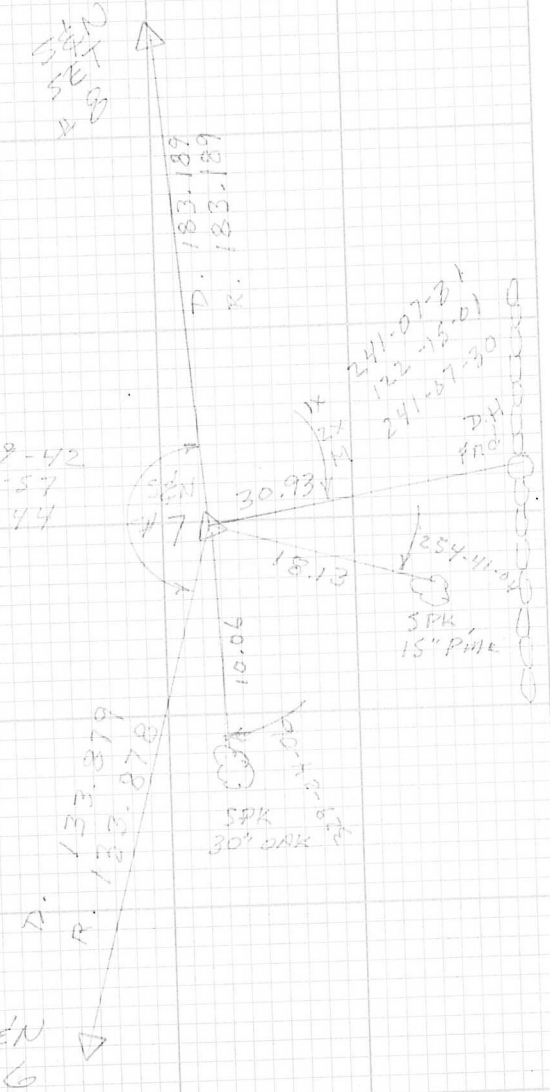
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	Cldy 45	12-15-09	GC KN



659/7

MAIN ST

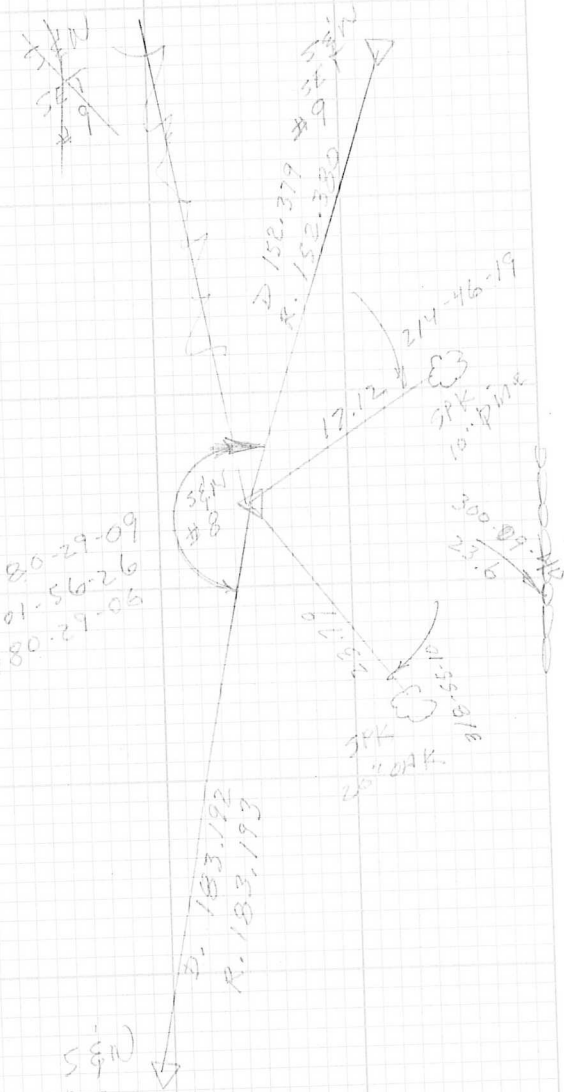
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	54° 28	12-16-09	GG JN KH



650/8

NORFOLK

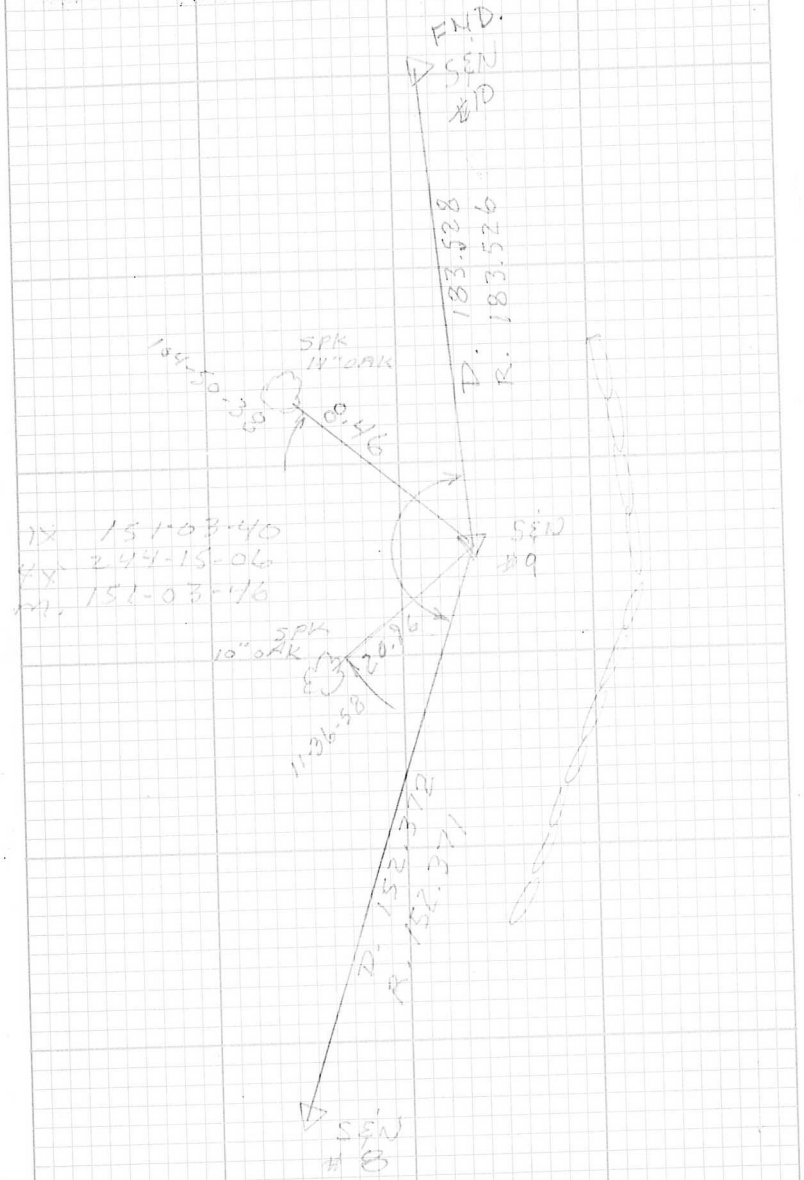
Inst.	Tape	Wthr & Temp	Date	Crew



650/9

MAIN ST

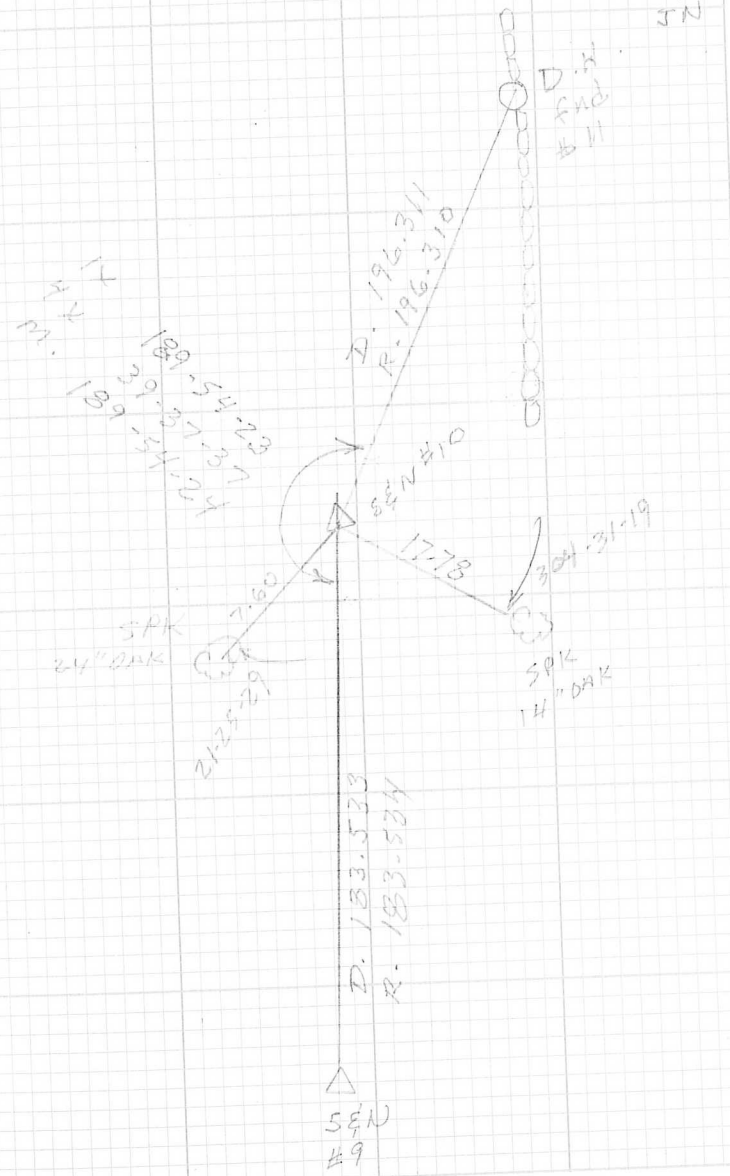
Inst.	Tape	Wthr & Temp	Date	Crew



650/10

NORFOLK

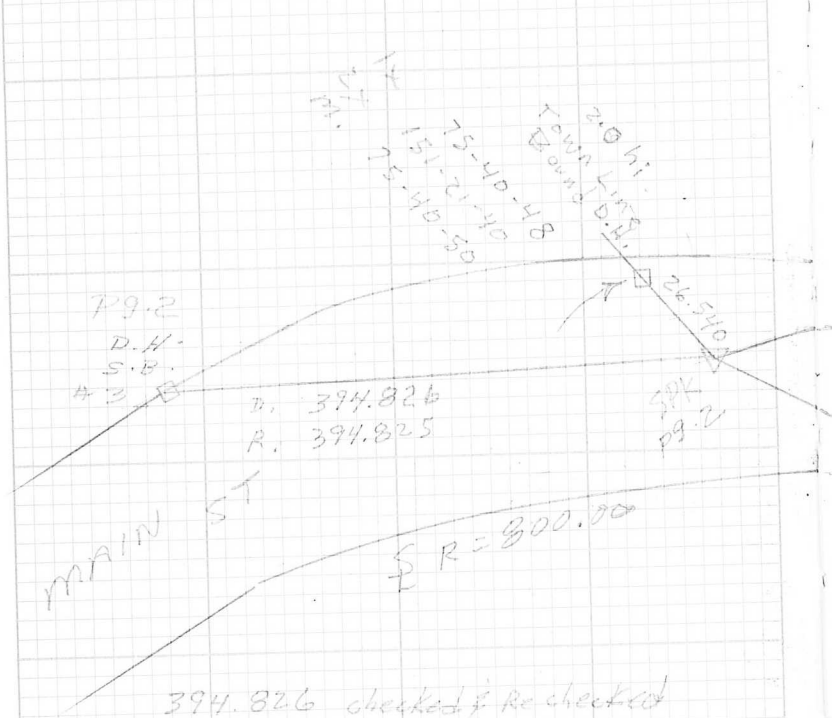
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	SUN 28	12-16-69	GC KN JN



650/11

MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
T.C.	325	Sun 20	12-17-09	GC KN JN

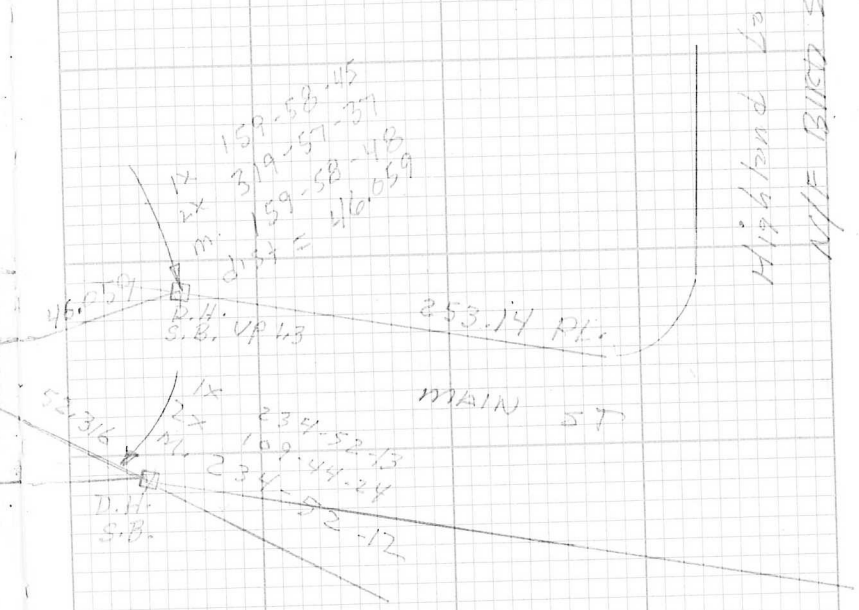


394.826 checked & Rechecked

NORFOLK

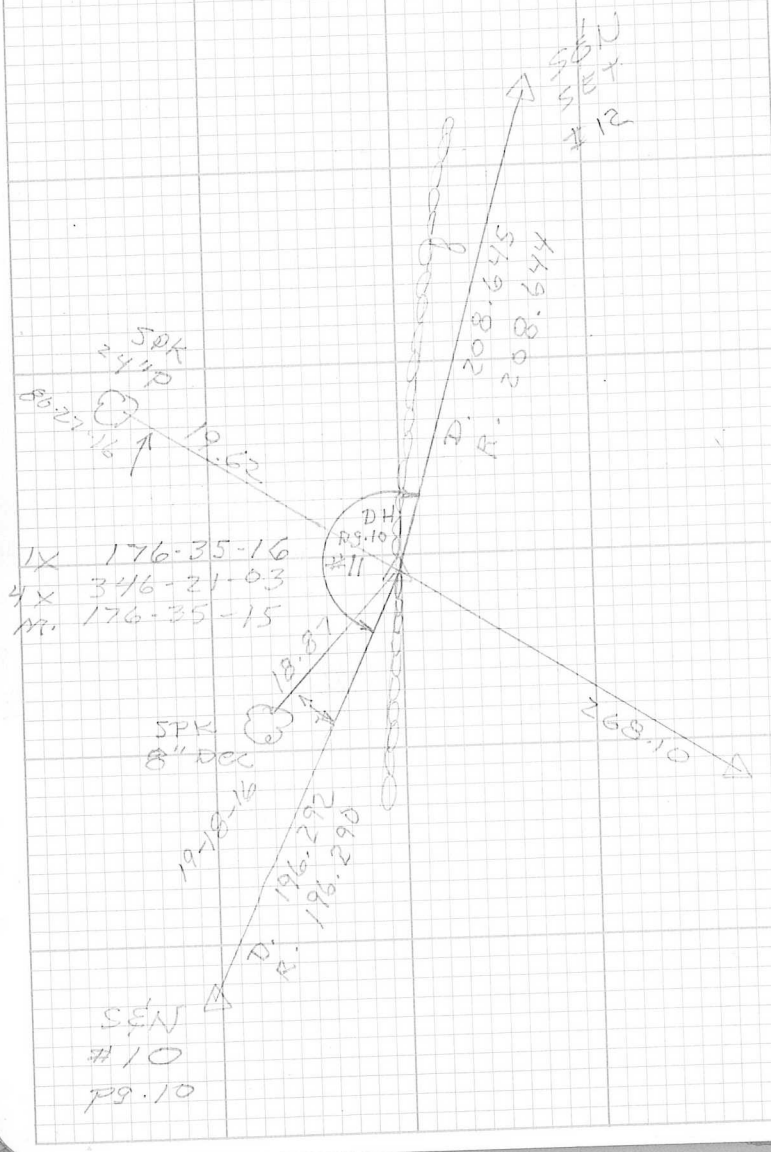
650/12

Inst.	Tape	Wthr & Temp	Date	Crew



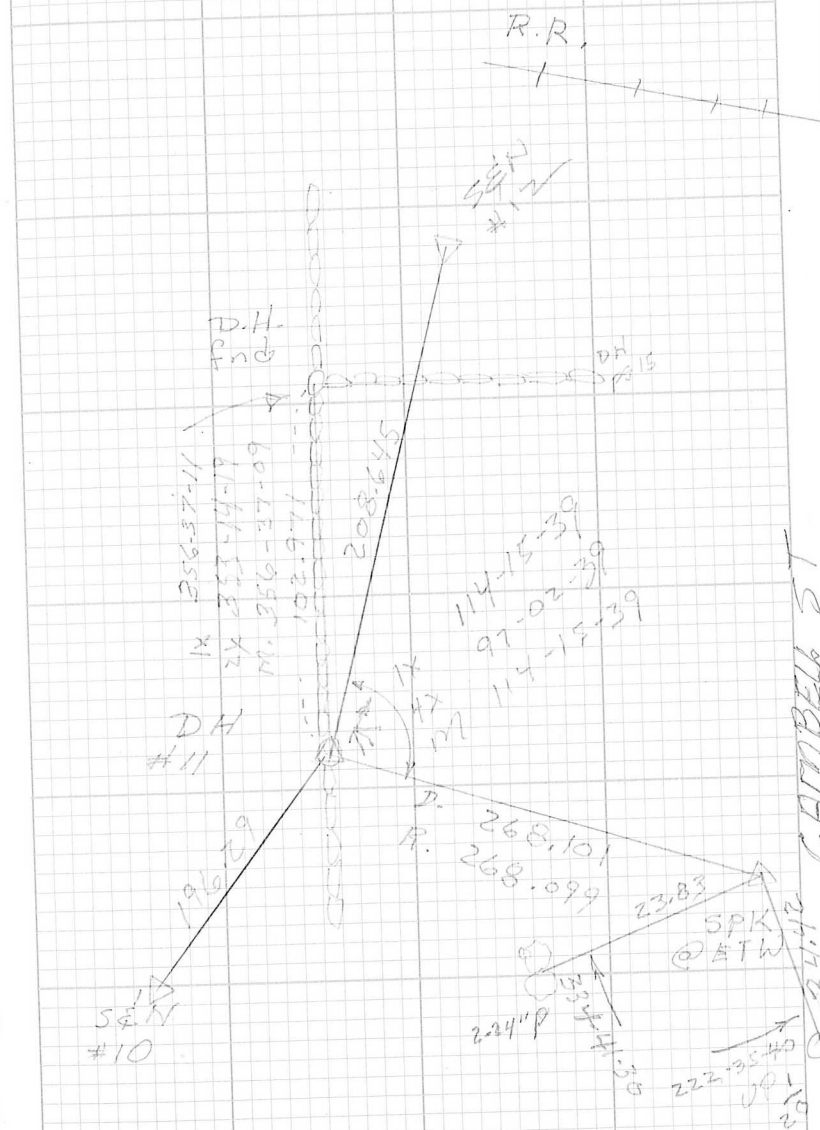
650/13 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
Tc	32	cldy 32	1-5-10	GC JN



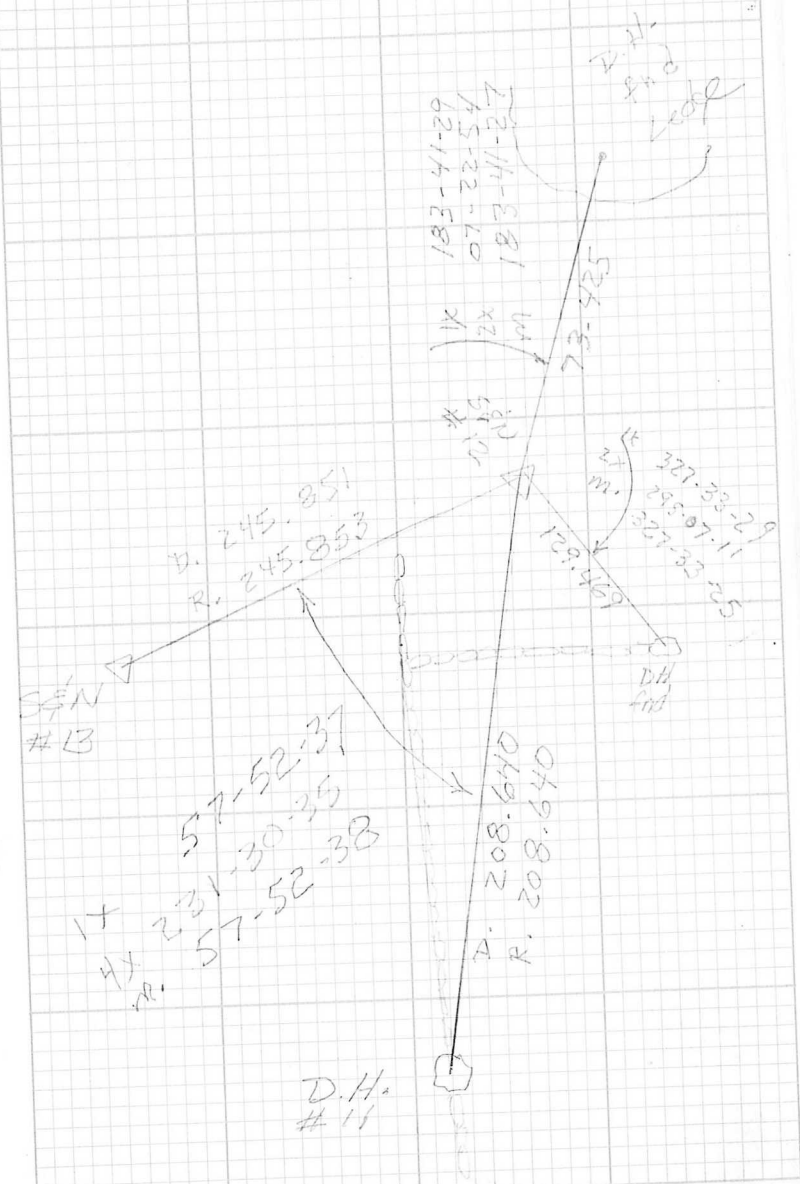
650/14 NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



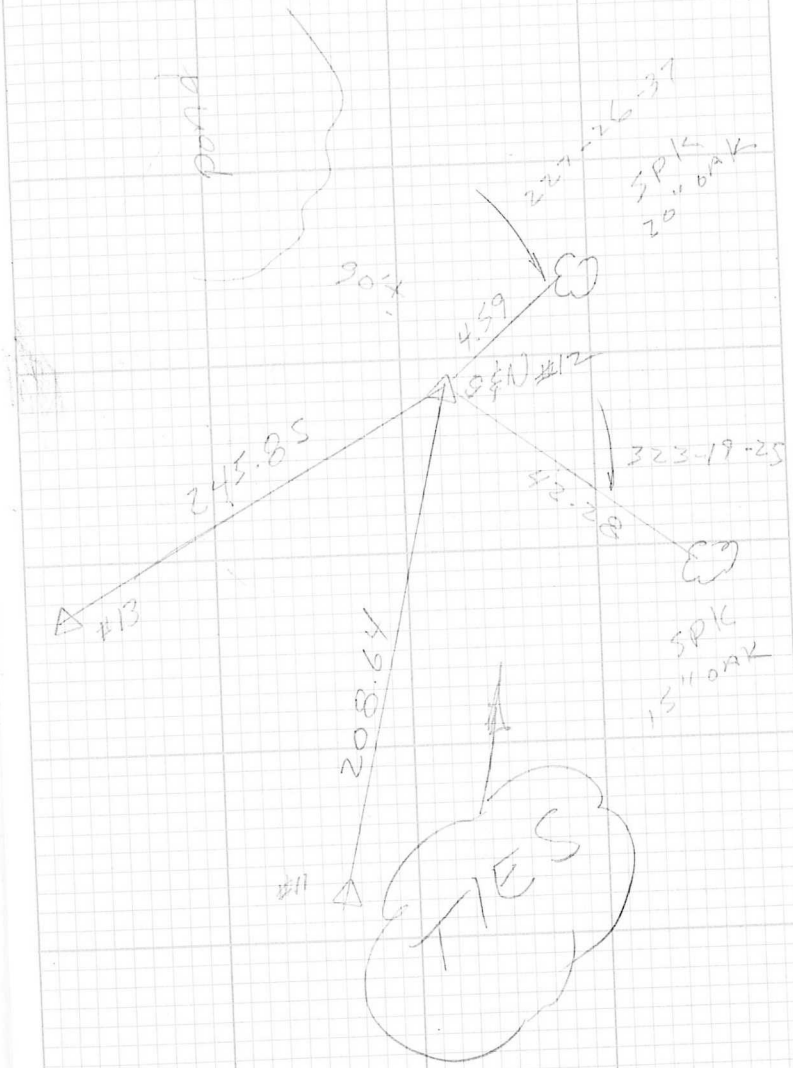
650/15 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	Clay 32	1-5-18	GC JN



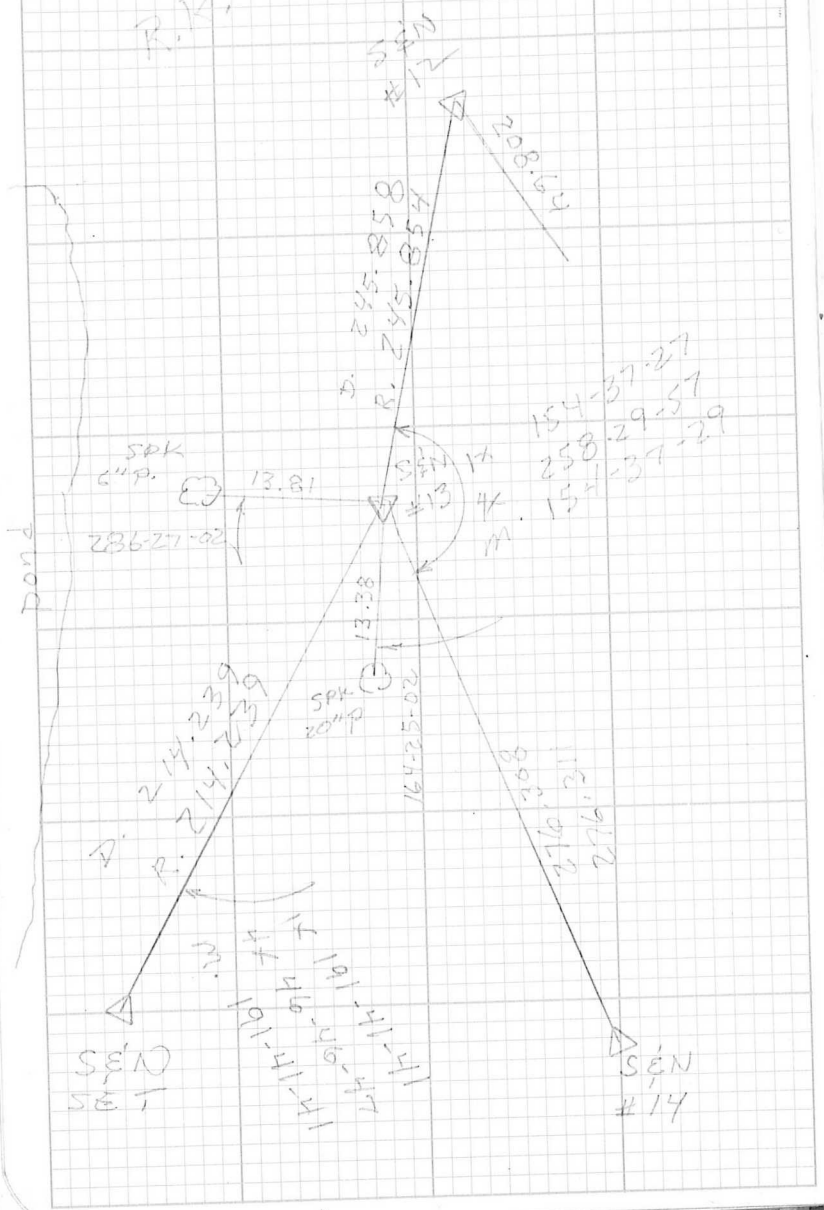
650/16 NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



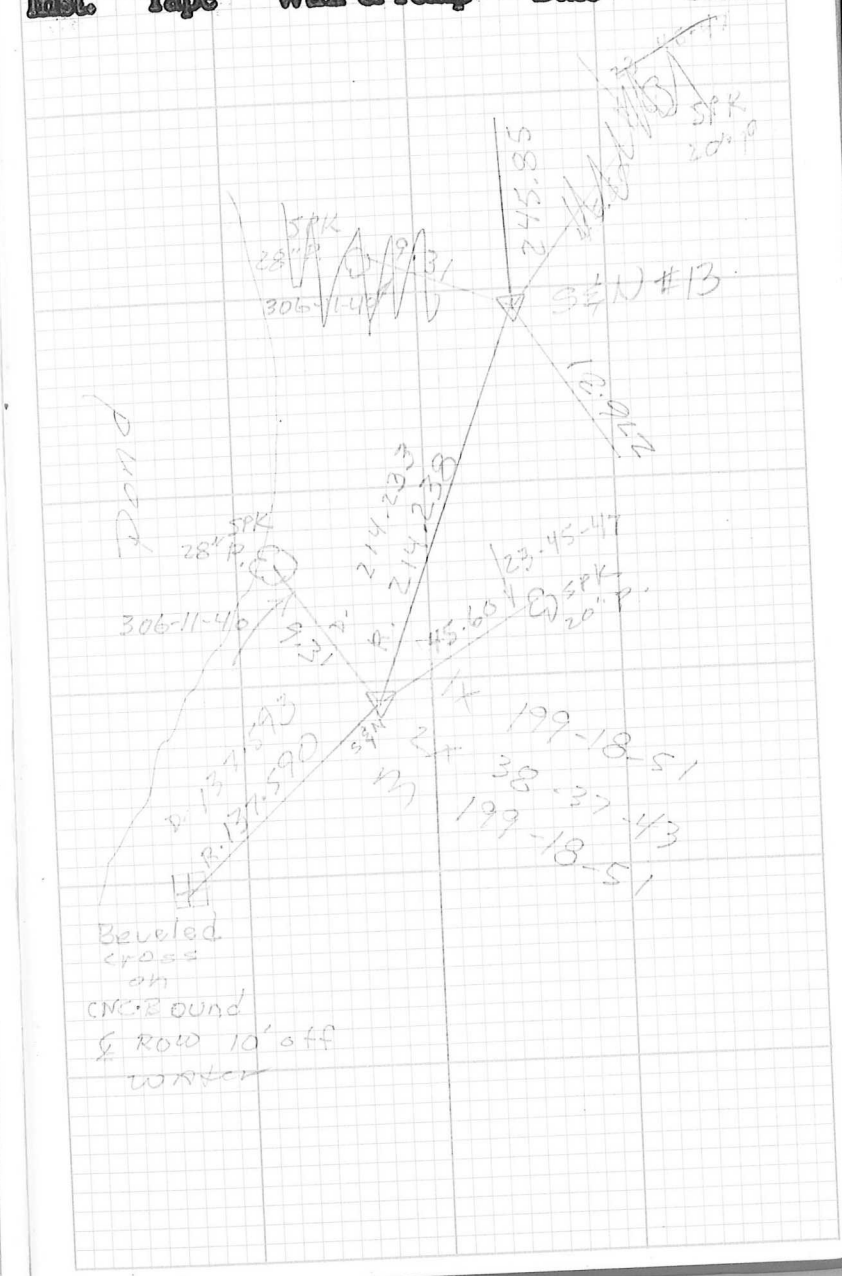
650/17 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
7a	32	54h 30°	1-6-10	GC JN



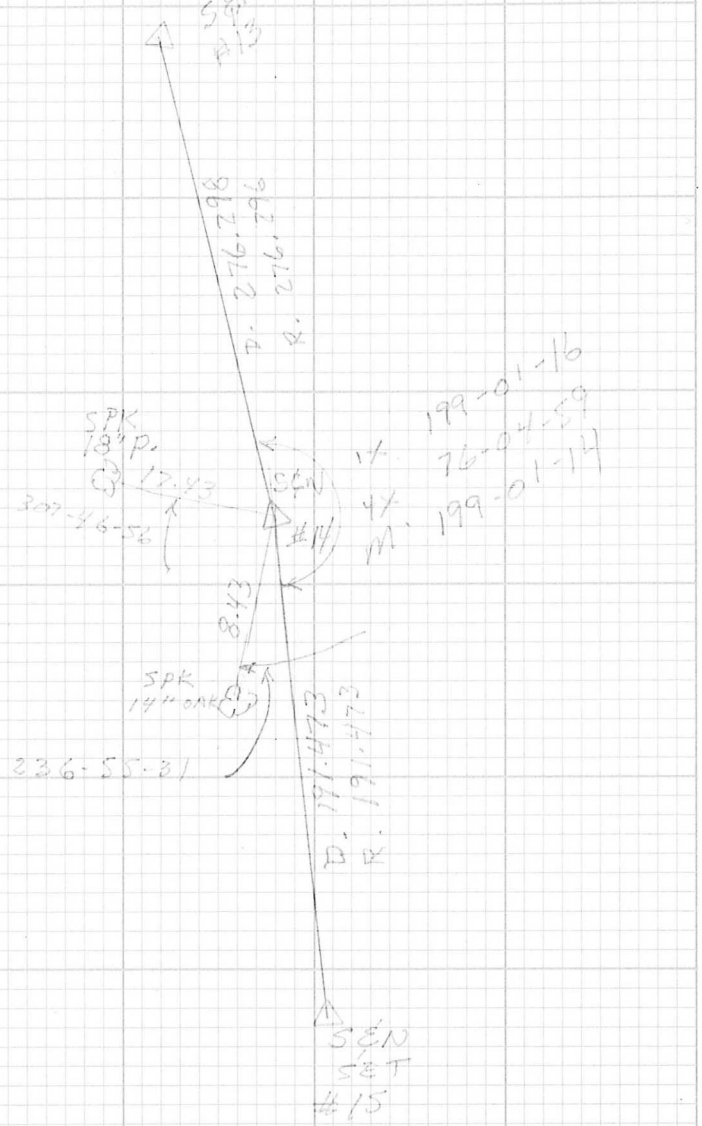
650/18 NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



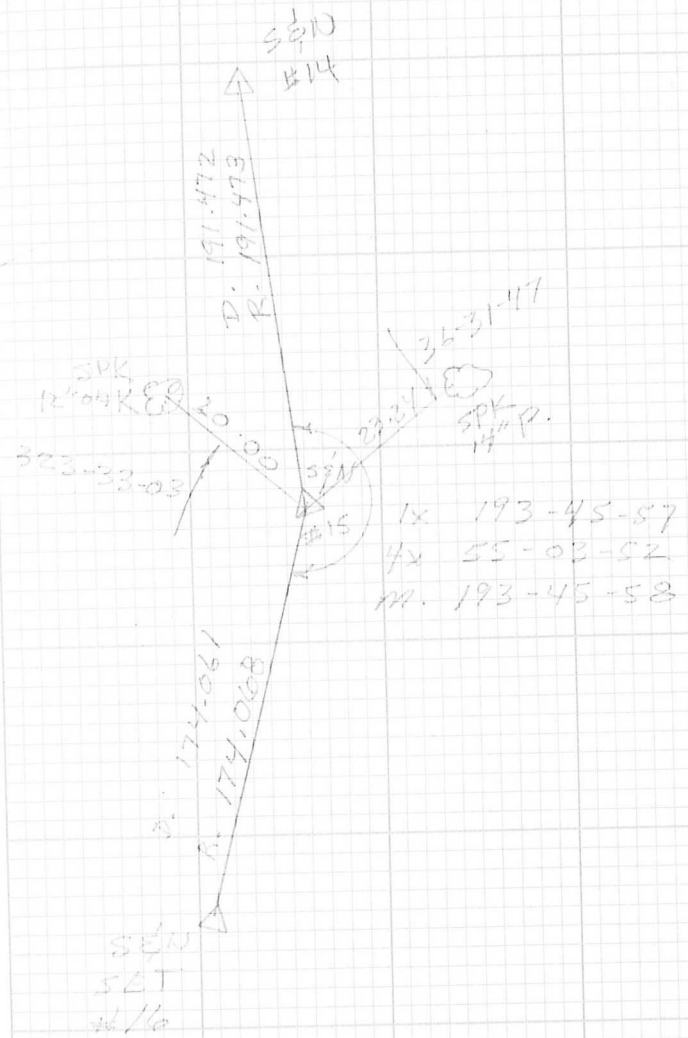
650/19 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
			1-7-10	GC SN KN



NORFOLK 650/20

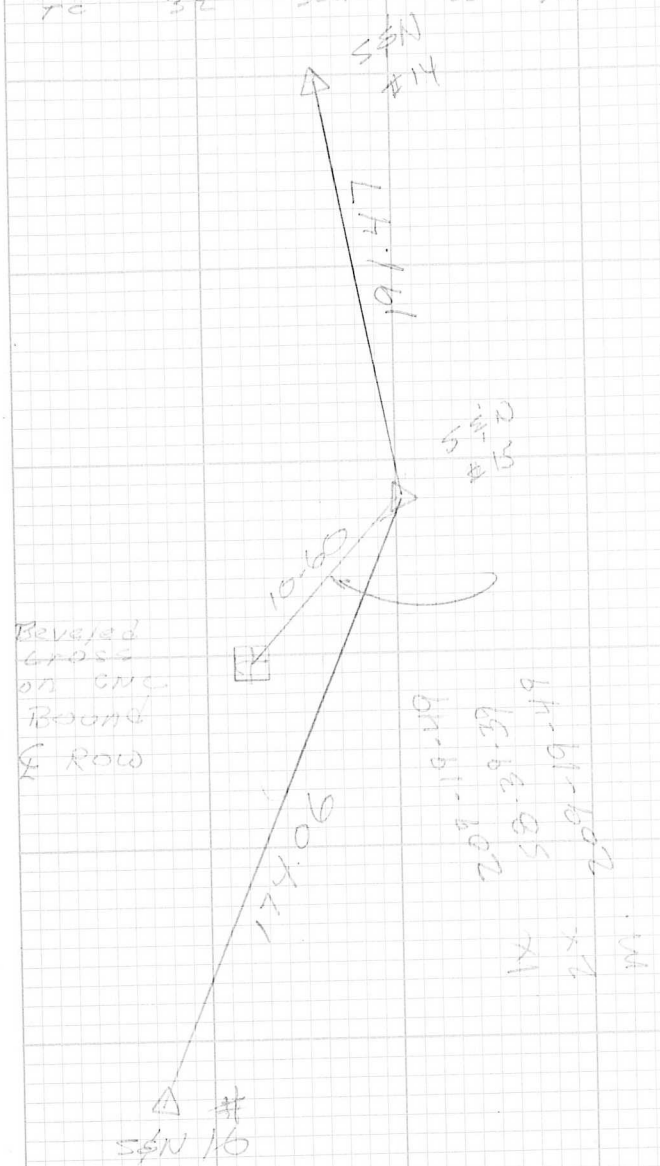
Inst.	Tape	Wthr & Temp	Date	Crew



650/21

MAIN ST

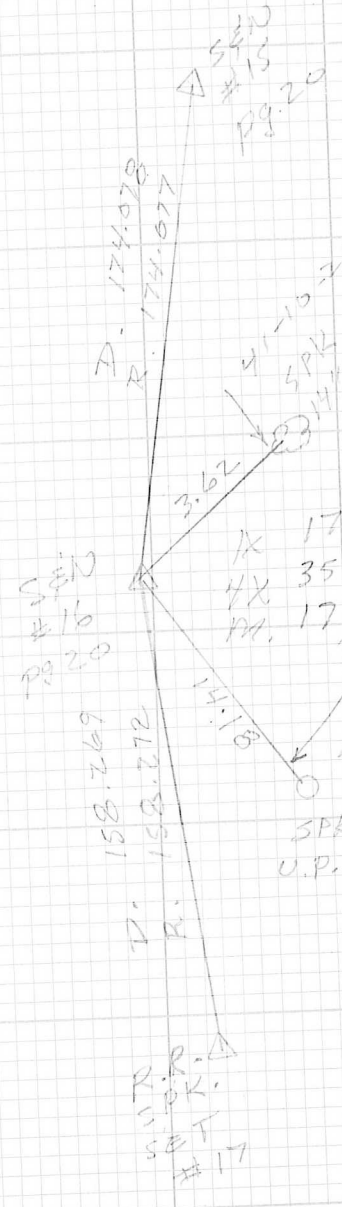
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	54 35	1-7-10	GC JN KN



650/22

NORFOLK

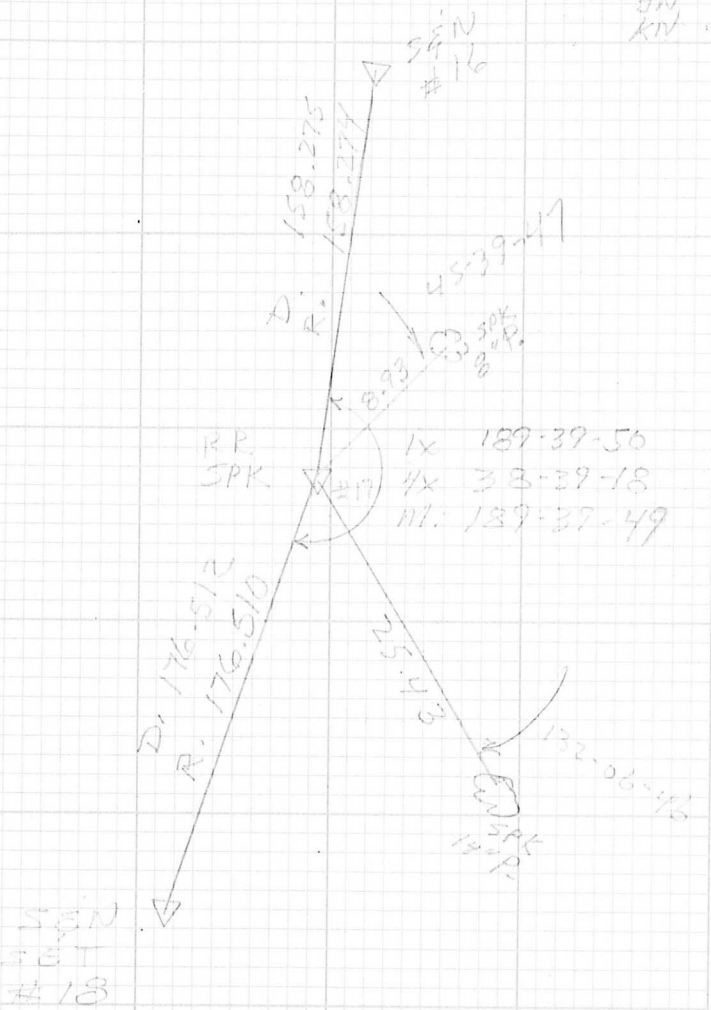
Inst.	Tape	Wthr & Temp	Date	Crew



650/23

MAIN ST

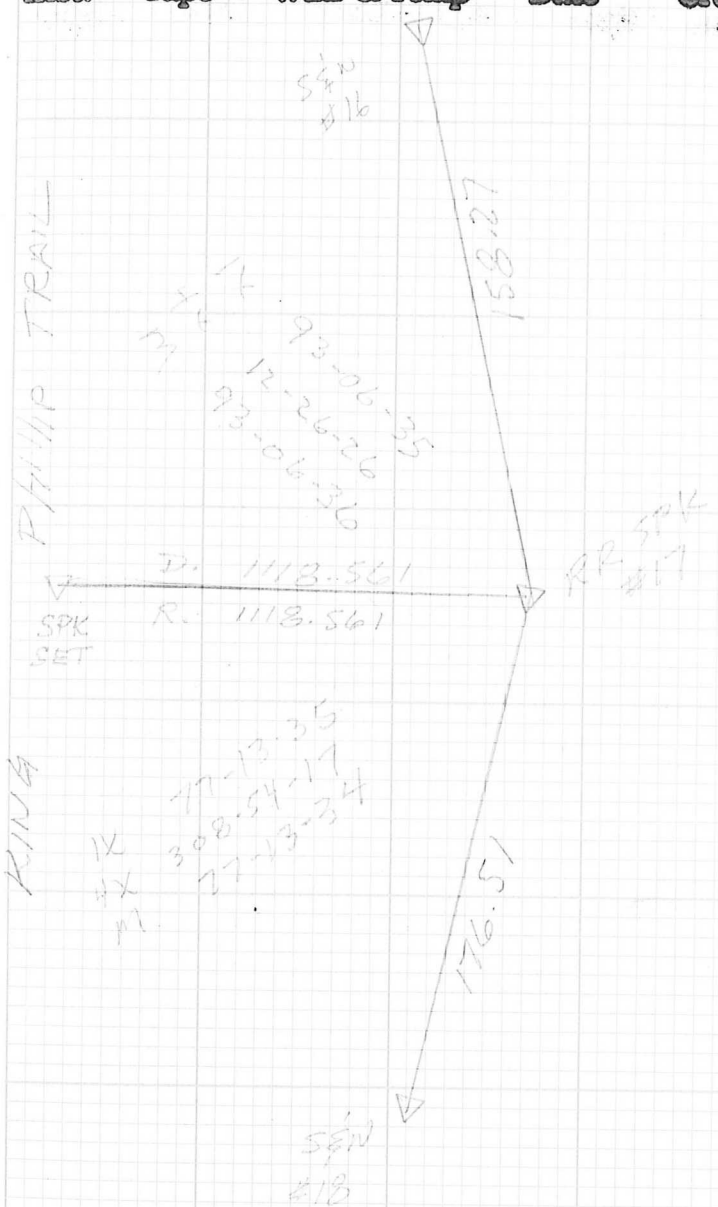
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	Sun 55	1-7-10	GC JN KN



NORFOLK

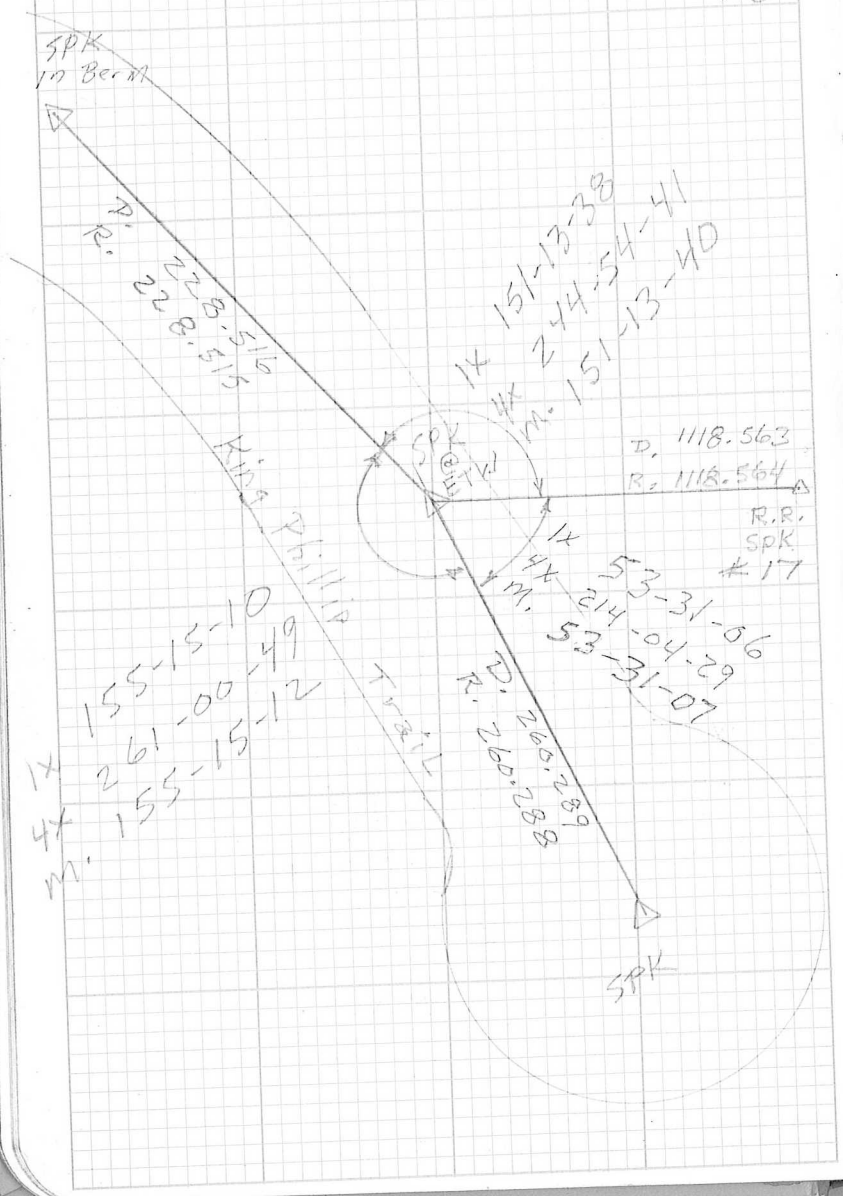
650/24

Inst.	Tape	Wthr & Temp	Date	Crew



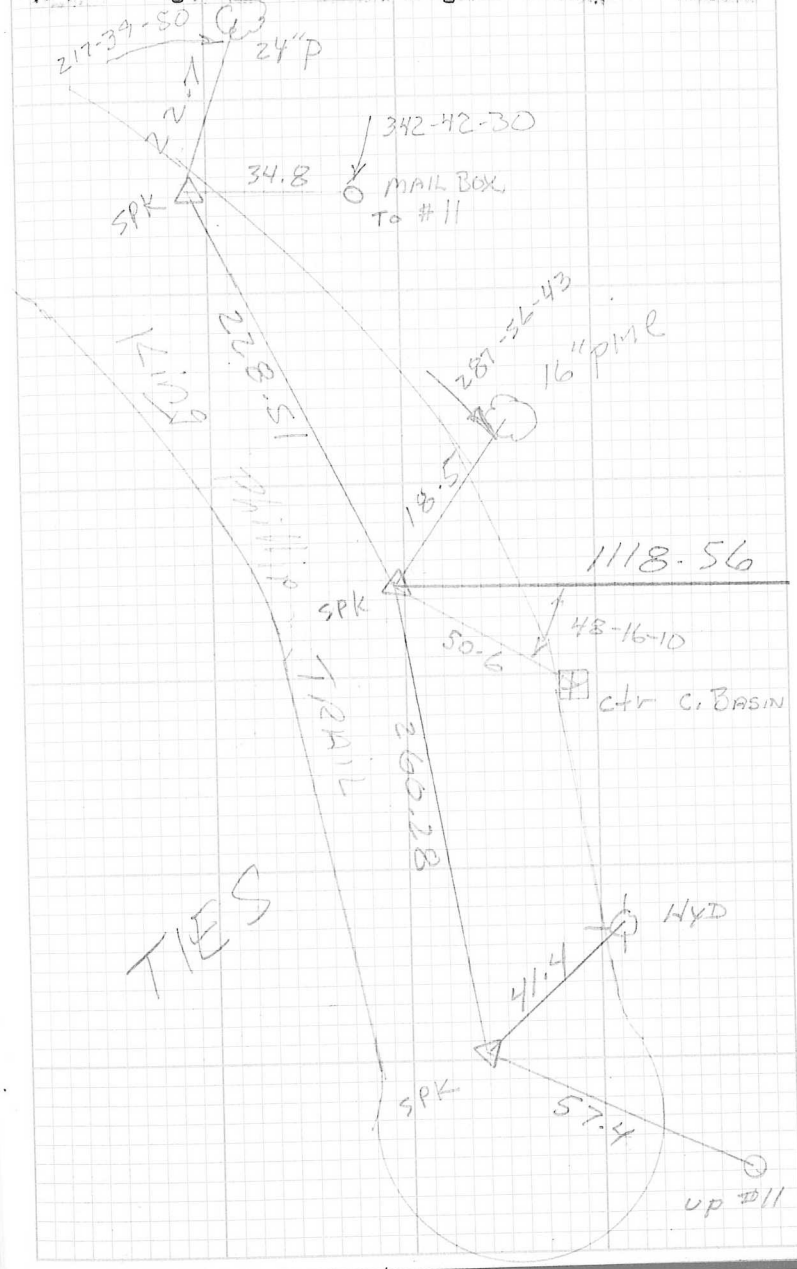
650/25 KING Philip TRAIL

Inst.	Tape	Wthr & Temp	Date	Crew
TC	BL	sun 30	1-8-10	GL KN KB



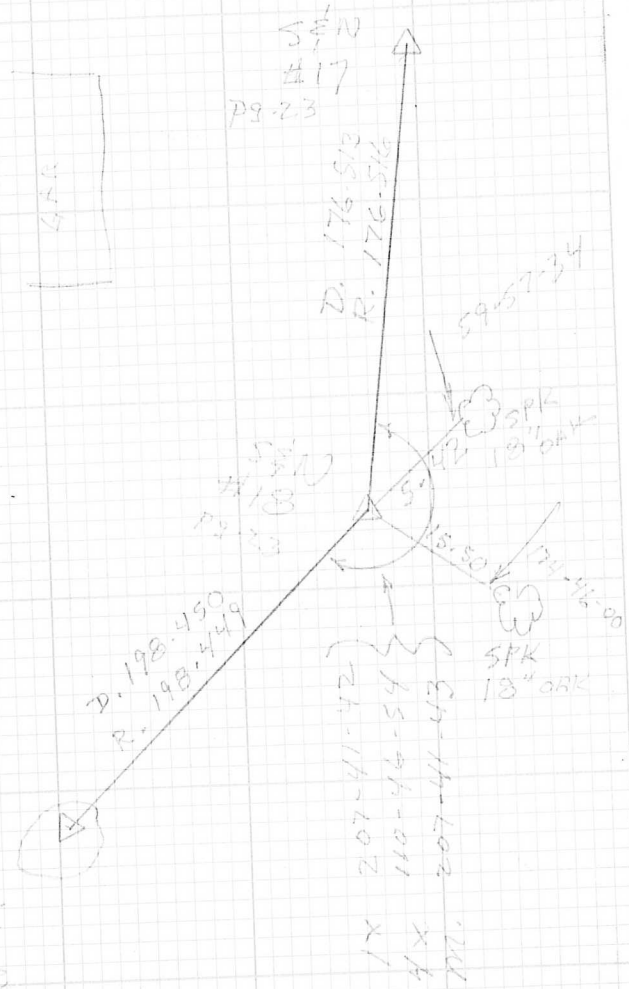
650/26 NORFOLK

Inst.	Tape.	Wthr & Temp	Date	Crew



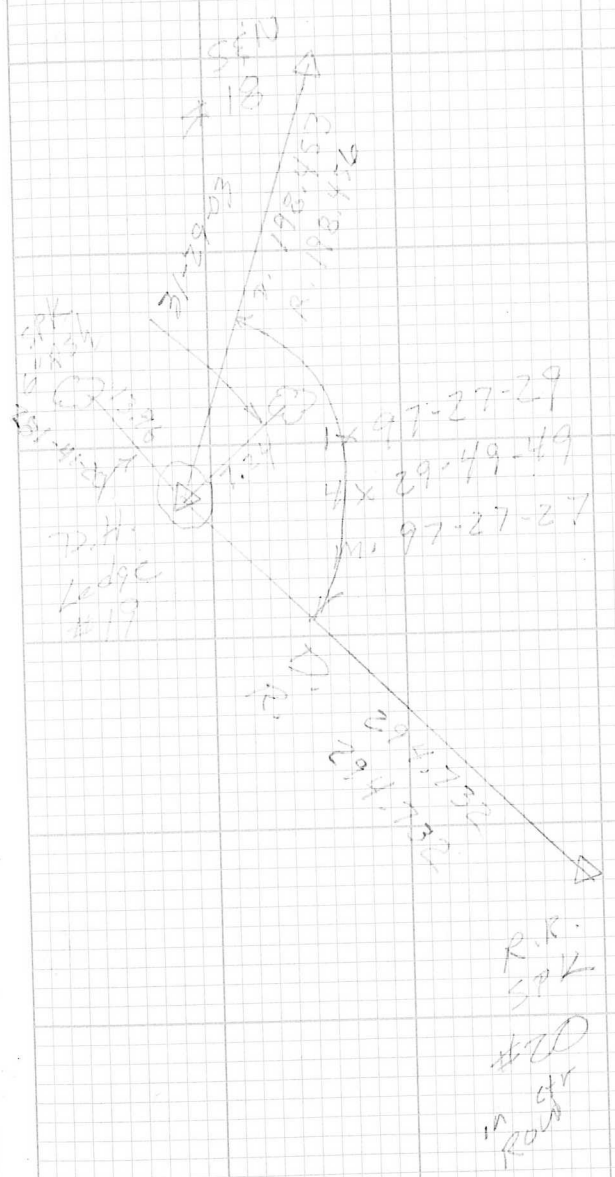
650/27 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	SUNNY 30	1-8-10	GG KW KB



650/28 NORFOLK ST

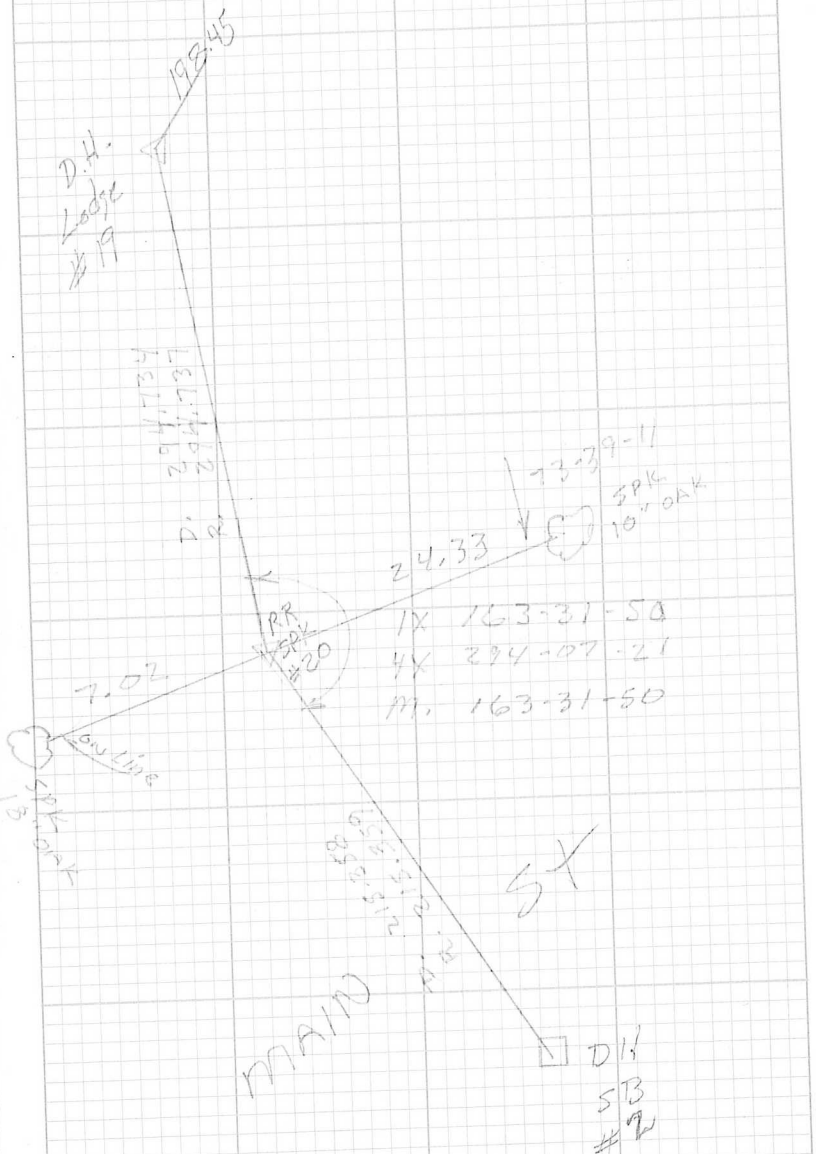
Inst.	Tape	Wthr & Temp	Date	Crew



650/29

MAIN ST

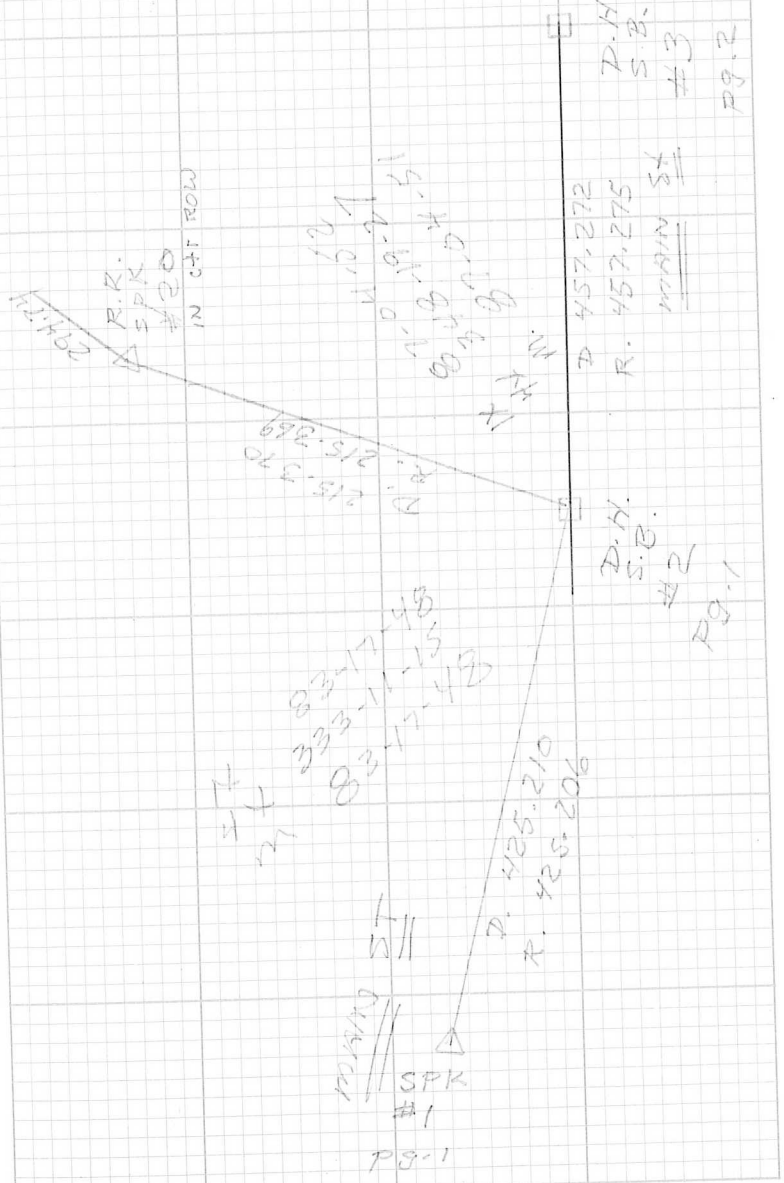
Inst.	Tape	Wthr & Temp		Date	Crew
TC	32	Sun	30	1-11-10	GC JN



NORFOLK

650/30

Inst.	Tape	Wthr & Temp		Date	Crew



650/31 MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	SUN 30	1-11-90	SE SN

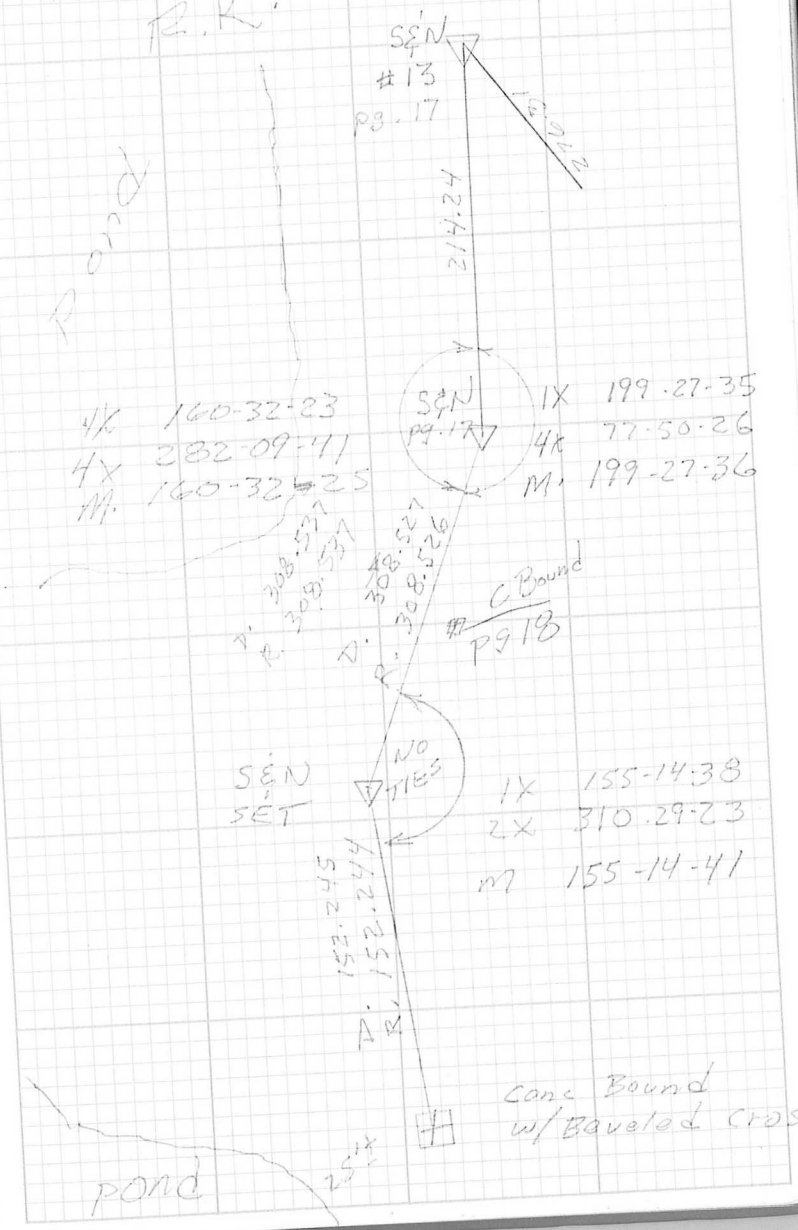
LOOP 1

174	05-31
169	21-22
193	52-48
125	26-00
170	09-44
180	29-06
151	03-46
189	54-24
176	35-15
57	52-38
154	37-29
199	01-14
193	45-58
178	20-00
189	39-49
207	41-43
97	27-27
163	31-50
87	04-51
	540 595
	540 540
3060	00 55

19-2=17 x 180 = 3060

650/32 NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



650/33

MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	Sun 28	1-19-10	GC KN KB

MAIN ST

R.R. SPK #20 IN CKT ROW

D. 294.735
R. 297.733

196-49-01
67-16-10
196-49-02

D.H. #19 Ledge

D. 113.428
R. 113.427

113.437
113.437

69.28-10
277-52-29
69.28-07

D. 327.958
R. 327.959
327.955
D. 327.956
R.

SPK 10" P.

10.22

273-24-00

SEN SET #21

16.90

161.39-48

SPK 18" OAK UP 4'

NORFOLK

650/34

Inst.	Tape	Wthr & Temp	Date	Crew
				#24 SEN SET

224-02-26
176.09
224-02-33
224-02-24

D. 358.981
R. 358.984

266-34-10

18.67

SPK 24" OAK

SEN SET #23

19.30

329.09.45

SPK 15" P.

D. 281.309
R. 281.321

102-56-00
51-43-50
102-55-50

SEN SET #22

9.46

5.89

211-46-53

SPK 30" OAK

SPK 24" OAK

STOP

RIVER

RIVER

120'± Guesstimate

10" 276-00 10"

C&C Bound ???

650/35

MAIN ST

Inst.	Tape	Wthr & Temp	Date	Crew
TC	35	SNOW 35	1-19-10	GO KN KB

MAIN ST

D.H. S.B. #25 Pg. 1

#26

TOP CUR

COR CLF

40

69-18-40

SPK COR

33.48

03-57-07

40±

SEN SET #24

358.985 970

D. 358.

R.

SEN #23

1x 83-13-30

4x 332-53-54

M. 83-13-28

River

Stop

NORFOLK

650/36

Inst.	Tape	Wthr & Temp	Date	Crew

SPK #1 Pg. 1

D. 128.871

R. 128.874

MAIN ST

D.H. S.B. #25 Pg. 1

46'±

141-59-48

207-59-32

141-59-53

206.902

205.902

D.

R.

Stop River

SEN #24

358.99

650/37

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	RAIN 35	1-19-10	GC KN KB

LOOP 2

9	4	4
196	49	02
69	28	07
102	55	59
224	02	24
83	13	28
141	59	53
161	44	56
83	17	48
196	28	10
	299	287
1259	59	47

9-2=7×180 1260

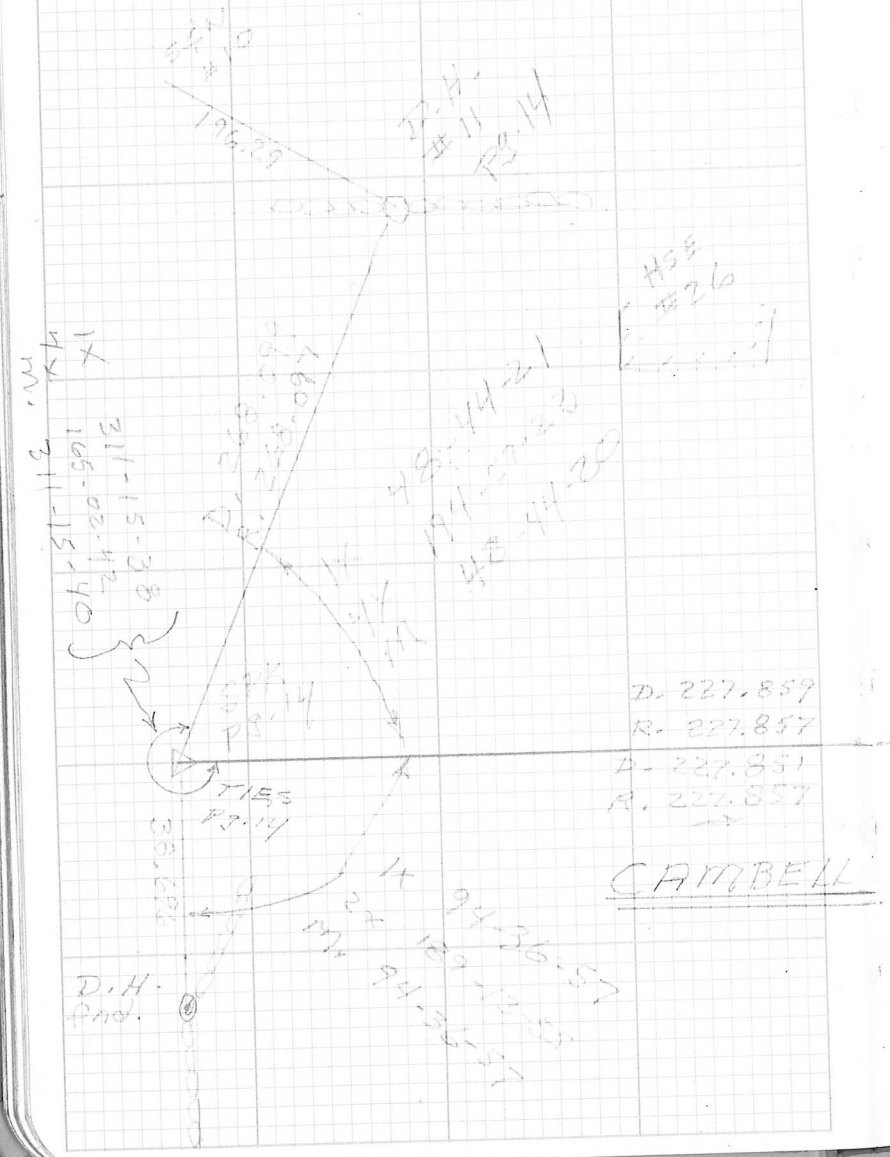
650/38

Inst.	Tape	Wthr & Temp	Date	Crew

650/39

CAMBELL ST

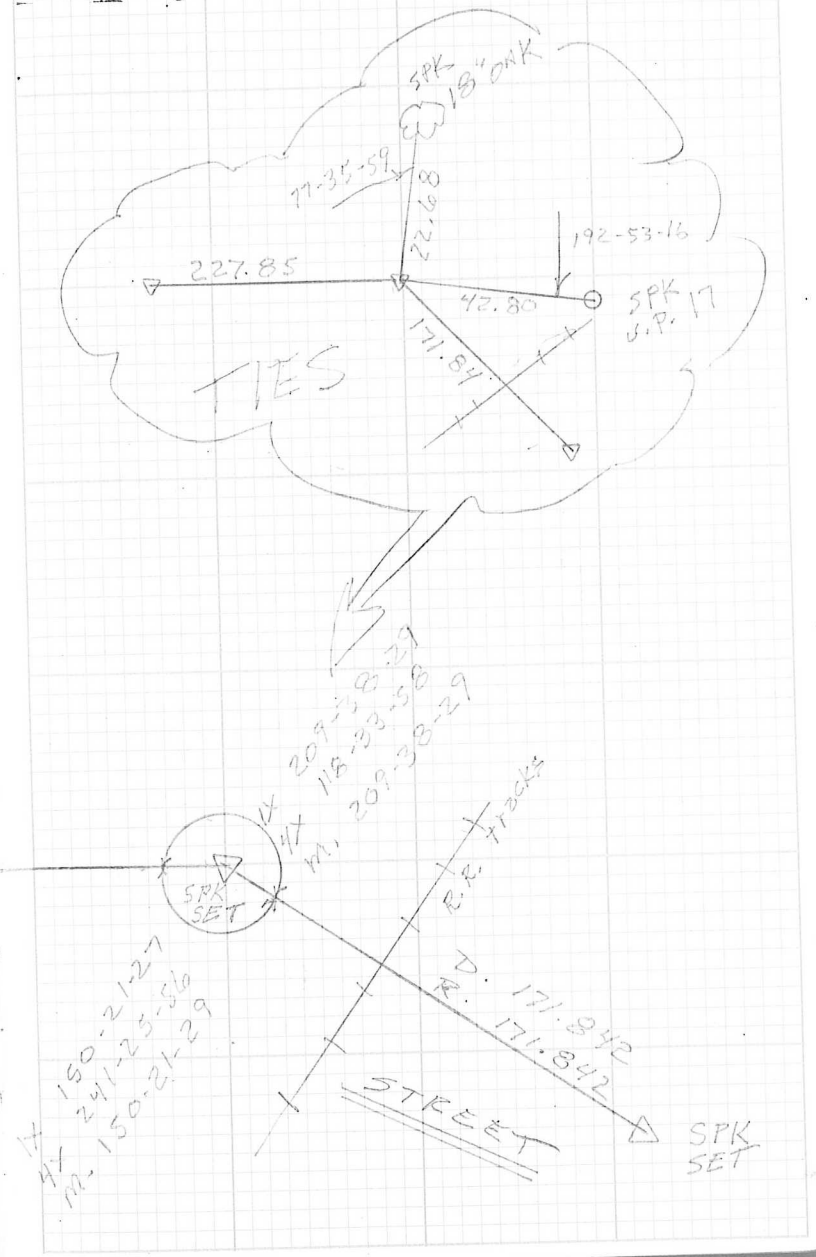
Inst.	Tape	Wthr & Temp		Date	Crew
TC	32	cldy	35	1-28-18	GC KN JN



650/40

NORFOLK

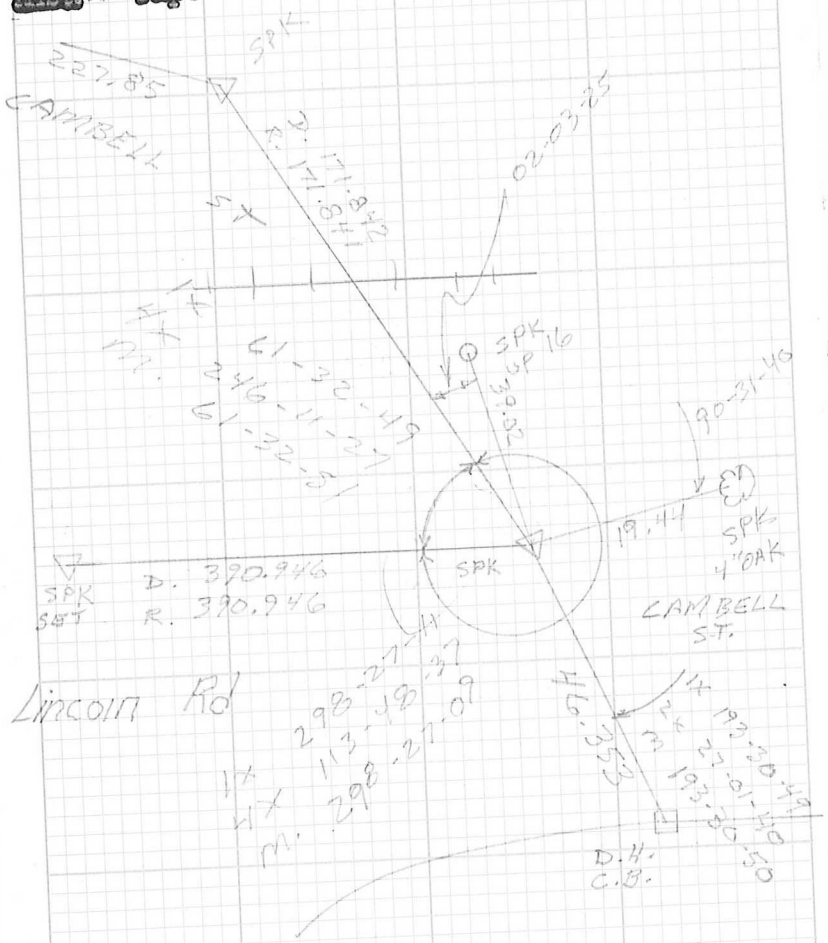
Inst.	Tape	Wthr & Temp	Date	Crew



650/41

Lincoln Rd

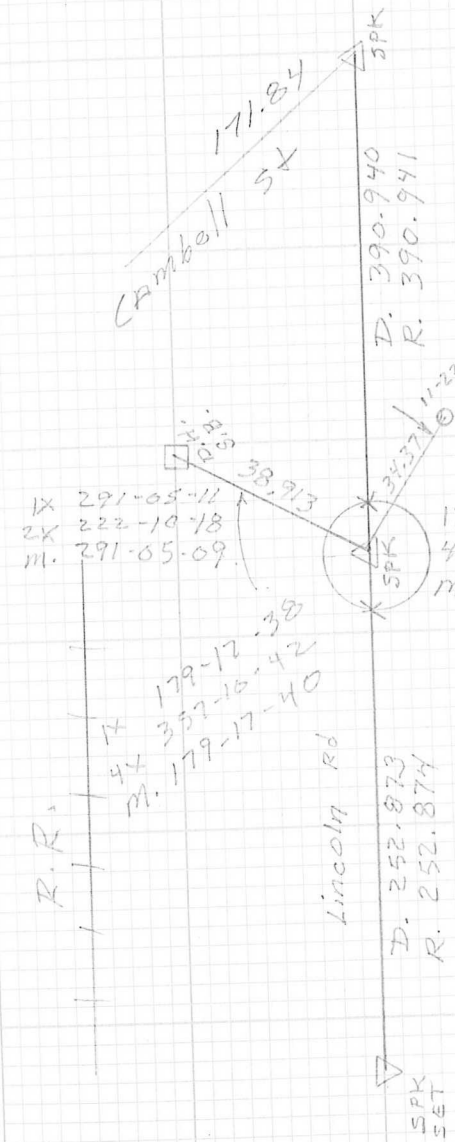
Inst.	Tape	Wthr & Temp	Date	Crew



NORFOLK

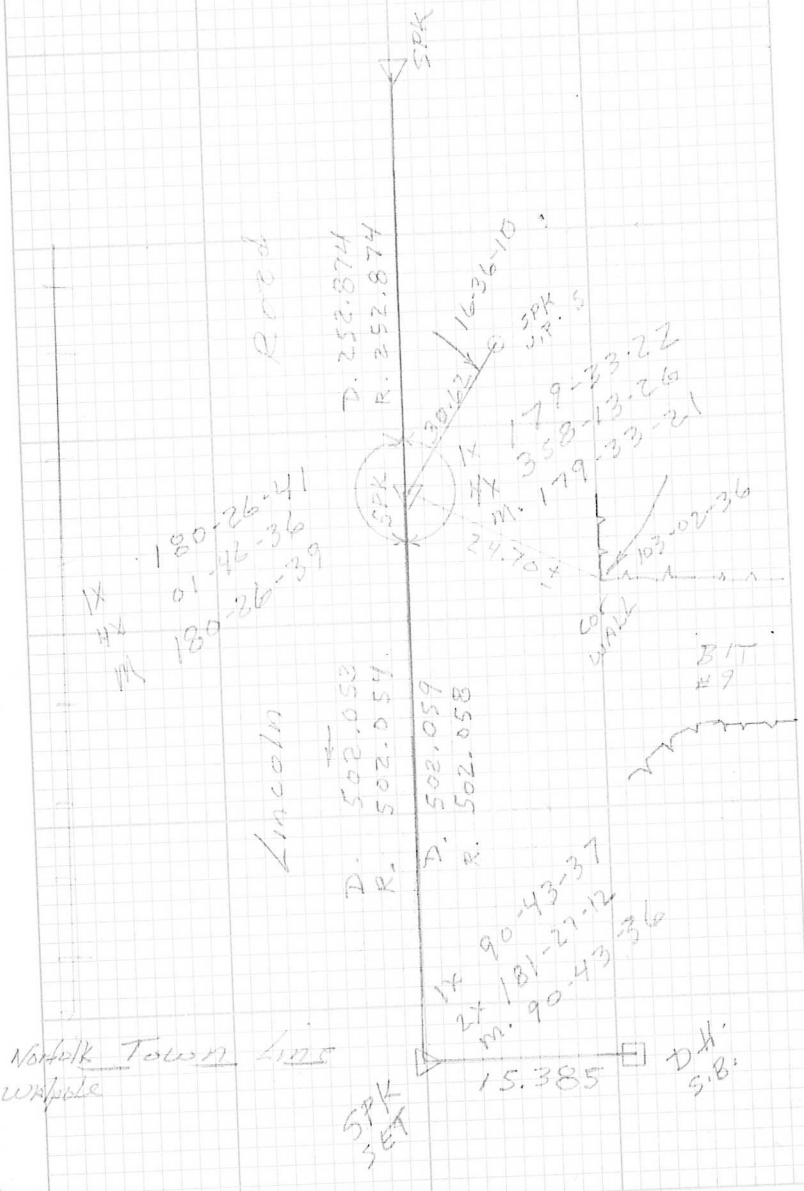
650/42

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	sun 38	1-21-10	GC JN



650/43 LINCOLN RD

Inst.	Tape	Wthr & Temp	Date	Crew



650/44 NORFOLK

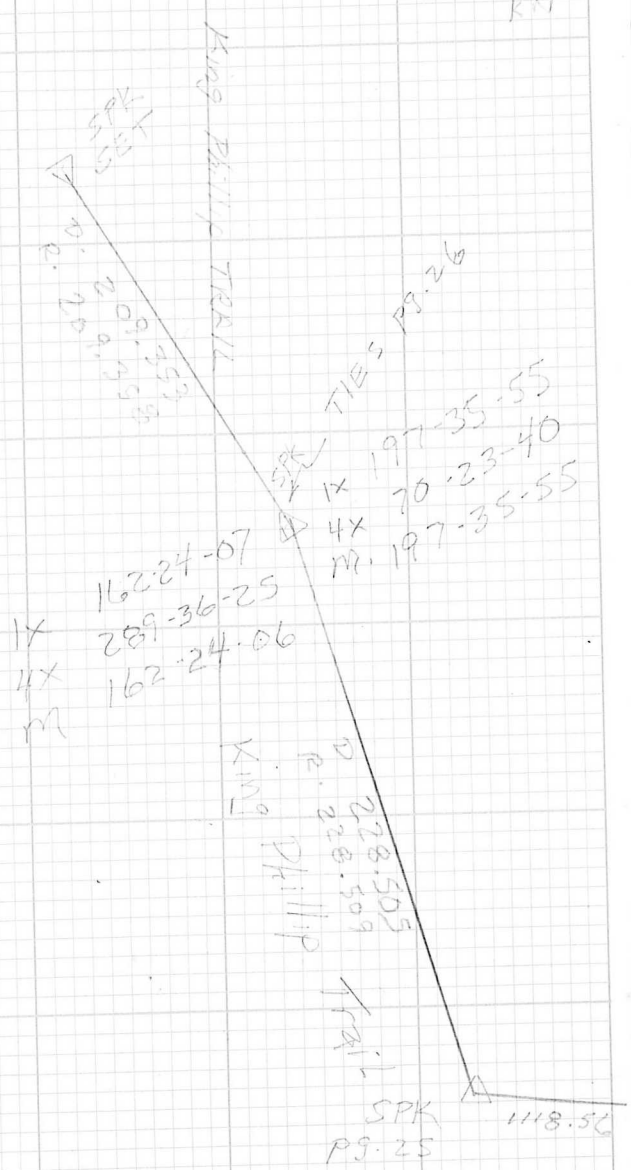
Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	SUN 38	1-27-10	GC JN

38° 15 lb. pull

99.01			
80.83			
94.13			
95.47		-0.097	TEMP
95.45		+0.03	TENSION
97.33		-0.08	SAG
502.22	TAPED.	-0.14	TOTAL Adj
-0.14	Adj		
502.08	TAPED		
-502.06	EDM		
.02	DIFF.		

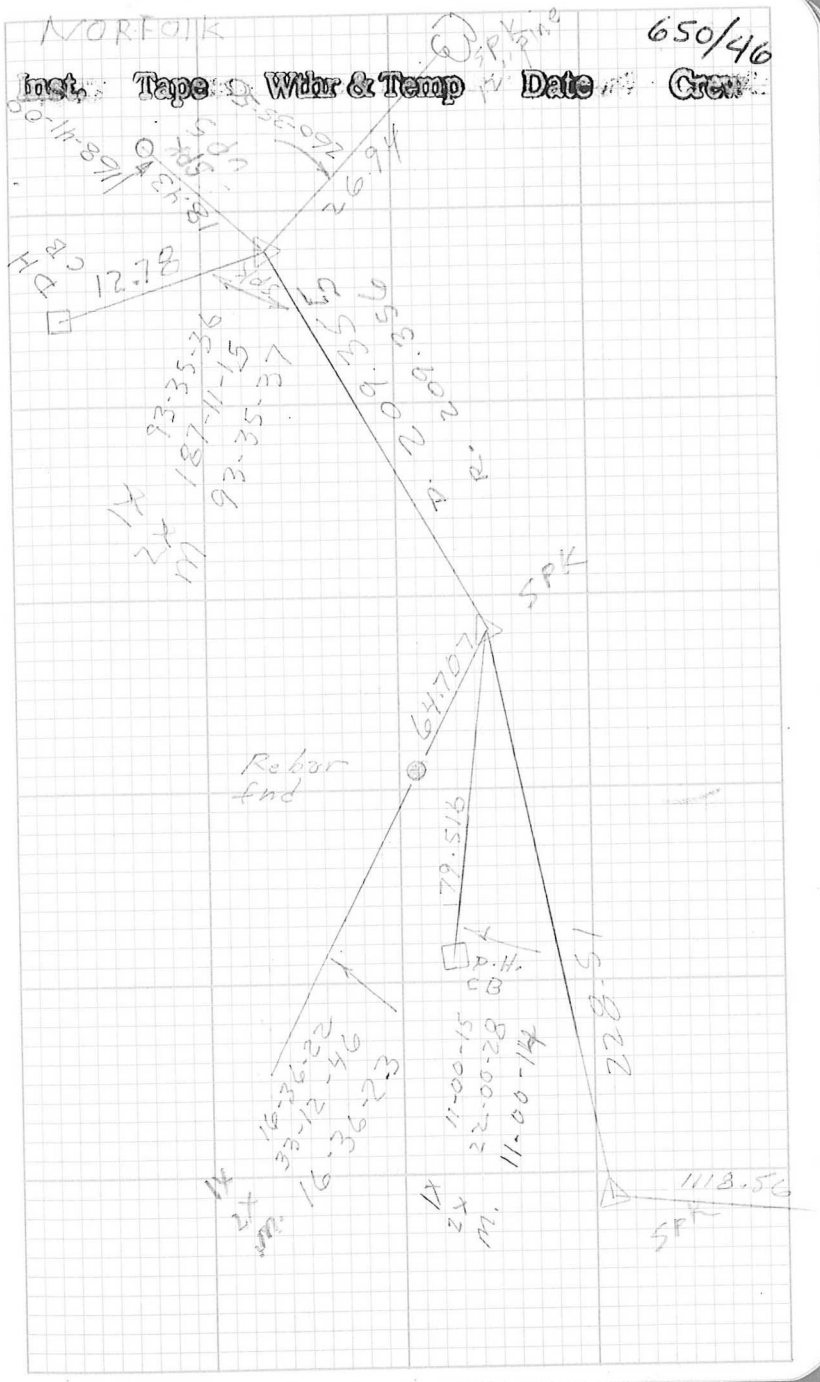
650/45 KING PHILIP TRAIL

Inst.	Tape	Wthr & Temp	Date	Crew
TC	32	RAIN 55	1-25-10	GC JN KN



650/46 NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



650/47 MAIN ST

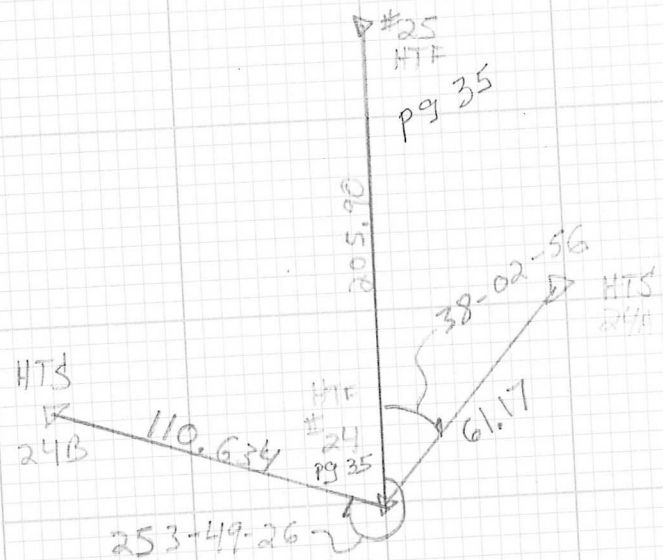
Inst.	Tape	Wthr & Temp	Date	Crew
LIECA 803		86° 85% HUMID	7/21/2010	PGH GC

AC 24 BS C 25

HTF Dn=205.900 OH/SBF

38-02-51
76-05-53 HTS
38-02-56 61.17

253-49-27
147-38-53
253-49-26 HTS
110.634



CONTROL FOR STOP RIVER

650/48

NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew

650/49 MAIN ST ℄ STOP RIVER

Inst.	Tape	Wthr & Temp	Date	Crew

~~07-22-2010 PA~~
~~SET ON 1 BS 25~~
~~PH # 7008~~

⊼ @ 1 BS 25 ∡ = R+

346-41-00	180.4	℄ RIVER
351-56-51	211.1	"
351-55-21	231.5	"
349-37-54	257.9	"
351-42-27	266.1	"
354-01-54	273.2	"
359-04-50	291.6	16' WD

⊼ @ S℄N 24A BS. 24 ∡ = R+
DIST = 61.16

235-49-54	69.0	16' WD
249-21-28	72.1	" "
257-09-16	88.0	14' WD
260-47-17	111.7	18' WD
266-07-42	127.8	18' WD
274-00-57	133.7	14' WD
283-16-26	133.4	14' WD
296-32-37	141.0	14' WD
302-09-32	154.4	12' WD
306-32-25	162.5	20' WD

NORFOLK 650/50

Inst.	Tape	Wthr & Temp	Date	Crew
803	32	SUN 85	7-22-10	GC PH MJ

⊼ @ 24B BS 24 ∡ = R+
DIST = 110.63

38-13-10	201.2	20' WD
40-14-40	192.4	18' WD
42-26-58	162.9	16' WD
50-33-30	135.2	14' WD
66-06-20	124.6	14' WD
80-13-58	124.2	16' WD
86-23-10	117.7	16' WD
88-32-20	111.0	16' WD
104-40-18	85.8	16' WD
127-26-50	62.9	20' WD
152-14-20	59.0	20' WD
166-11-06	78.4	20' WD
156-29-53	108.7	18' WD
155-50-20	139.2	16' WD
152-02-03	164.5	16' WD
149-37-16	189.0	16' WD
157-24-15	231.0	18' WD
162-65-10	264.6	22' WD
161-09-03	290.8	18' WD
158-52-51	298.2	20' WD
155-27-20	304.3	20' WD
154-50-12	316.4	20' WD
156-23-17	329.1	24' WD
161-48-27	341.9	24' WD

650/51

Inst.	Tape	Wthr & Temp	Date	Crew

650/52

Inst.	Tape	Wthr & Temp	Date	Crew

650/53

Inst.	Tape	Wthr & Temp	Date	Crew

650/54

Inst.	Tape	Wthr & Temp	Date	Crew

650/55

Inst.	Tape	Wthr & Temp	Date	Crew

650/56

Inst.	Tape	Wthr & Temp	Date	Crew

650/57

Inst.	Tape	Wthr & Temp	Date	Crew

650/58

Inst.	Tape	Wthr & Temp	Date	Crew

650/59

Inst.	Tape	Wthr & Temp	Date	Crew

650/60

Inst.	Tape	Wthr & Temp	Date	Crew

650/61

Inst.	Tape	Wthr & Temp	Date	Crew

650/62

Inst.	Tape	Wthr & Temp	Date	Crew

650/63

Inst.	Tape	Wthr & Temp	Date	Crew

650/64

Inst.	Tape	Wthr & Temp	Date	Crew

650/65 GRANITE ST. MEDFIELD

Inst.	Tape	Wthr & Temp	Date	Crew
LEICA 803	MIGGY	85°	8/4/2010	M.J. T.M.

T @ MN-1 00-0000 BS MN-2 246.542 MD (5.40) BS HT (5.31)

START DETAIL # 100

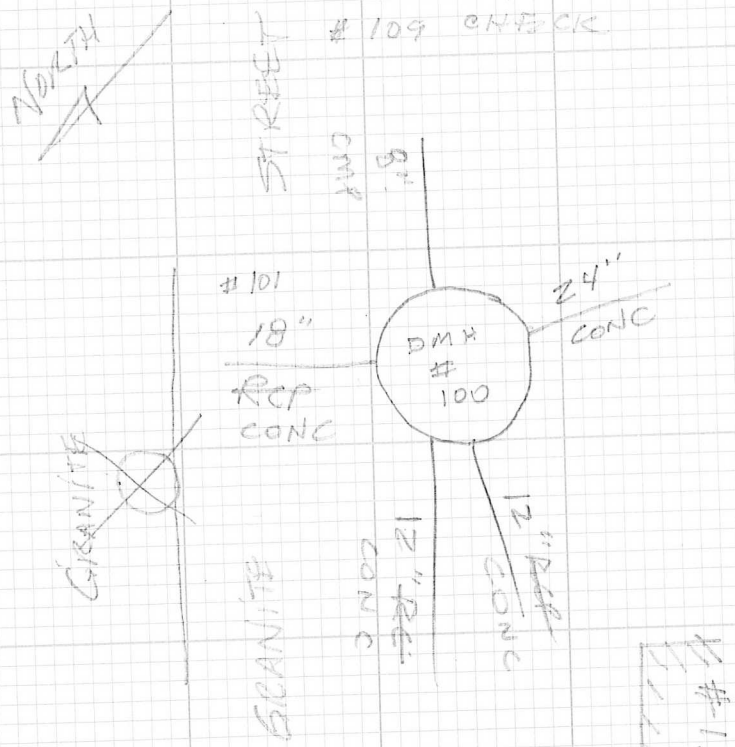
END DETAIL # 106

LOW ROD (5.00)

#107 000-00-00 ~~246.529~~ 246.542 ✓ INV ✓ H = 0.0 V = 0.00

#108 DMH RIM * 0.7' LEFT O/S *

#109 CHECK

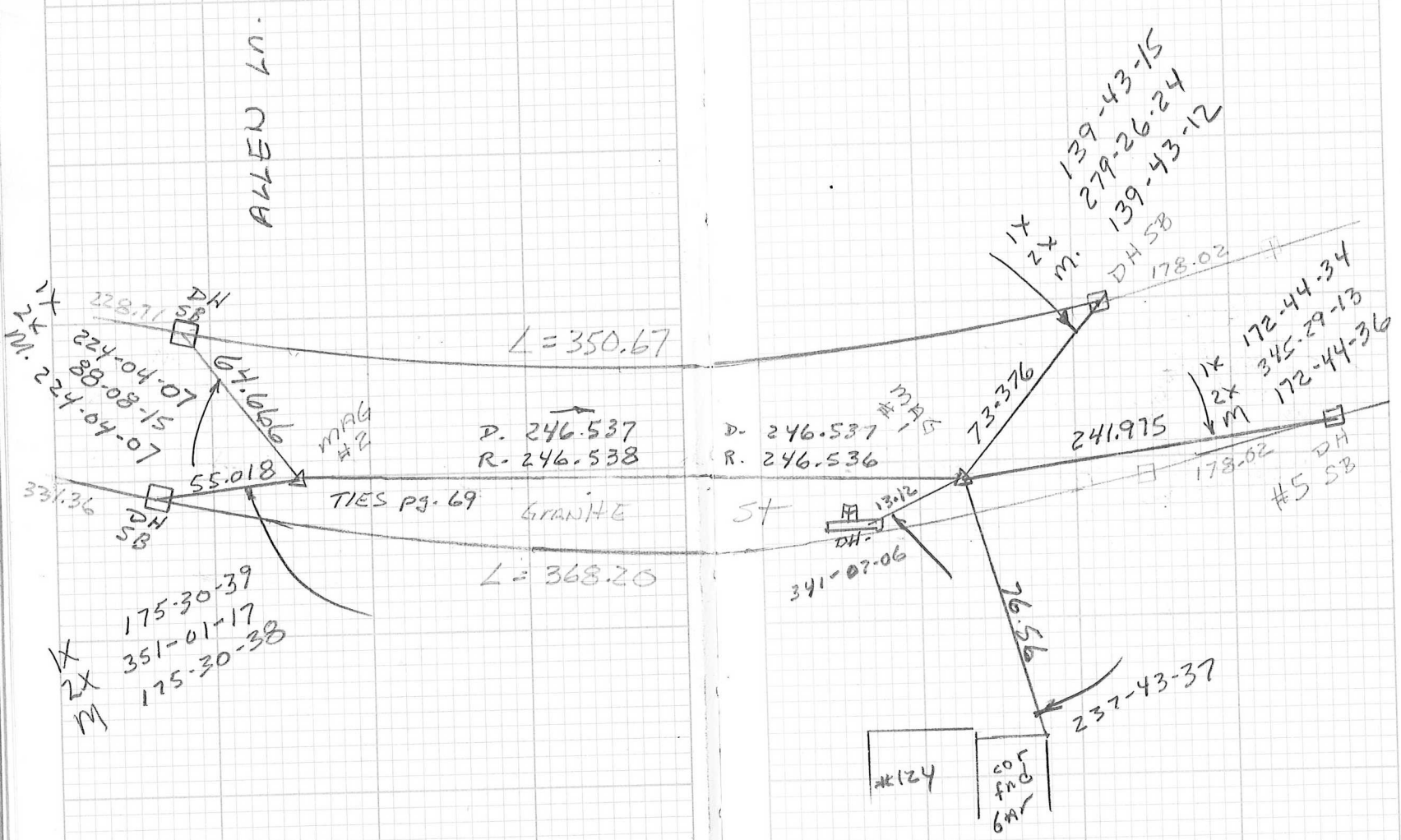


650/66

Inst.	Tape	Wthr & Temp	Date	Crew

650/67 Granite ST

Inst.	Tape	Wthr & Temp		Date	Crew
808	32	sun	85	8-11-10	GC KN

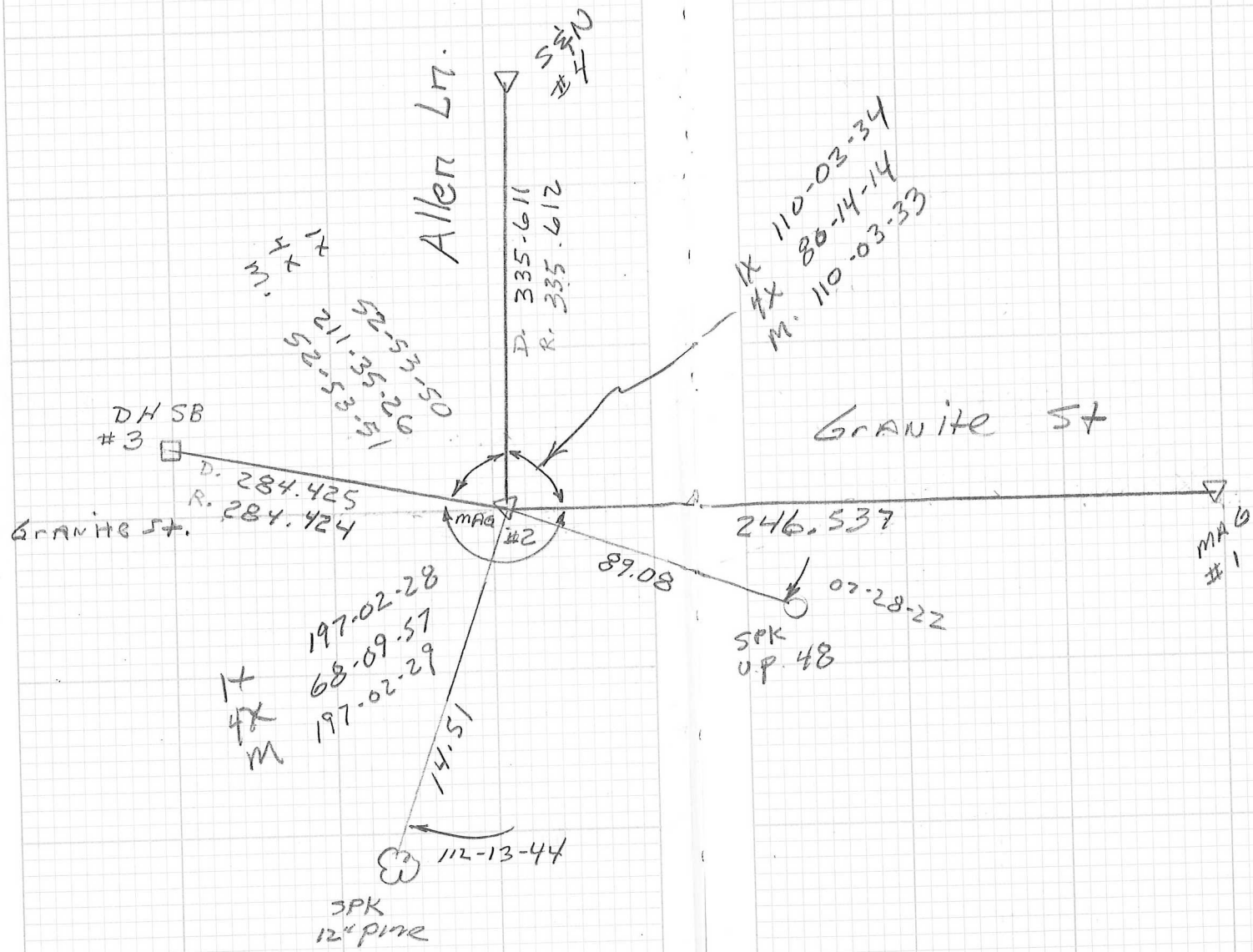


Medfield 650/68

Inst.	Tape	Wthr & Temp	Date	Crew

650/69 Granite St

Inst.	Tape	Wthr & Temp	Date	Crew
803	32	clear 72	8-12-10	GC KN



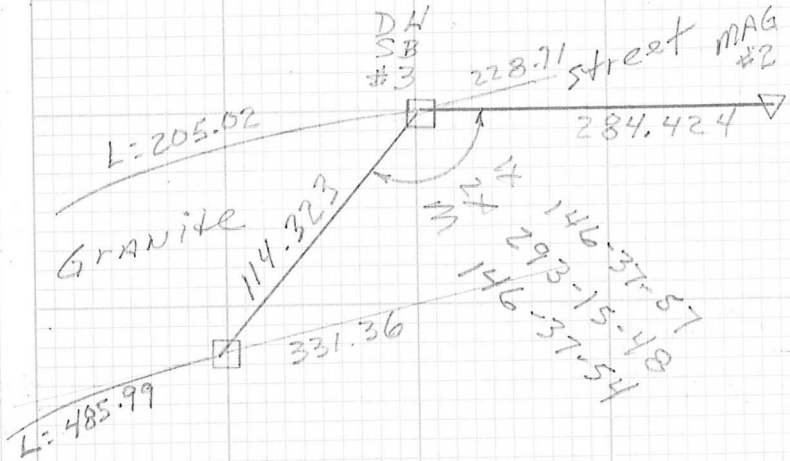
MEDFIELD

650/70

Inst.	Tape	Wthr & Temp	Date	Crew

650/71 GRANITE ST

Inst.	Tape	Wthr & Temp	Date	Crew
803	32	cldy 72	8-12-10	GC KW



MEDFIELD 650/72

Inst.	Tape	Wthr & Temp	Date	Crew

650/73 LEVEL RUN GRANITE ST

Inst.	Tape	Wthr & Temp	Date	Crew
Digital	Rod	sun 83	8-11-10	GC KN

STA & OFF	DIST	+	HI	-	DIST	ELEV	DESC.
		PEG	TEST				
	100'	1.13	101.13			100.00	Turtle
	131'	6.40	102.02	5.51	106'	95.62	Rock
				2.02	76'	100.00	Turtle
30+42 Rt 62'	20'	4.14	204.85			200.71	B.M = ch SQ in Large ledge outcrop (200.71) 92/156 - 473/12 92/128
	42'	1.30	195.73	10.42	31	194.43	curb
	110'	1.73	190.63	6.83	42	188.90	DH SB #5 pg 68
	36'	4.64	188.92	6.35	93'	184.28	curb
57	129'	5.77	189.47	5.22	39'	183.70	MAG #1 pg. 70
	74'	2.03	187.40	4.10	117'	185.37	MAG #2 pg. 69
	70'	1.54	177.81	11.13	99'	176.27	Turtle
Granite	97'	10.12	177.72	10.21	97'	167.60	S&N #4 pg. 69
	70'	9.36	185.88	1.20	70'	176.52	Turtle
	59'	5.87	190.73	1.02	49'	184.86	Turtle
	193'	5.61	191.96	4.38	66'	186.35	Turtle
	228	6.05	194.49	3.52	186'	188.44	Turtle
	115'	5.10	196.58	3.01	226'	191.48	Turtle
	189'	8.18	200.65	4.11	135	192.47	ch SQ Gr Hdr @ up. 57 (SET)
10+45 Rt 161'	50'	5.65	202.57	3.73	182'	196.92	B.M = L.O.C Bot Conc step #160 (196.88) 92/156 92/128
				2.69	47'	199.88	T.P. spk in pole #59 (Front) (199.88) 92/128
			End				

MEDFIELD 650/74

Inst.	Tape	Wthr & Temp	Date	Crew

650/75 LEVEL RUN GRANITE ST

Inst.	Tape	Wthr & Temp	Date	Crew
Digital Rod		cldy 70	8-12-10	G.C. KP

STA & OFF	DIST	+	HI	−	DIST	ELEV
	46'	2.76	202.64			
16+45 Rt 161	181'	3.71	200.64	5.71	50'	196.93
	229'	3.93	196.41	8.16	189'	192.48
	230'	3.71	193.49	6.63	209'	189.78
	133'	4.03	191.36	6.16	249'	187.33
	49'	4.48	189.85	5.99	151'	185.37
	75'	2.43	188.00	4.28	56'	185.57
	74'	5.50	189.20	4.30	101'	183.70
	116'	5.87	190.38	4.69	59'	184.51
	56'	8.07	197.26	1.19	108'	189.19
	28'	8.86	204.42	1.70	57'	195.56
30+42 Rt 62'				3.71	28'	200.71

GRANITE ST

End

MEDFIELD 650/76

Inst.	Tape	Wthr & Temp	Date	Crew

DESC

B.M = T.P. SPK U.P. #59 (Front)
(199.88) 92/128

BM = L.O.C Bot Conc Step # 160
(196.88) 92/128

B.M = (SET) ch SQ Gr Hdr @ U.P. 57
(192.47) 650/74

T.P. turtle

Turtle

△ pt MAG #2
(185.37)

B.M (SET) SPK U.P. 48

△ pt MAG # 1
(188.70)

B.M = (SET) SPK U.P. 47

Turtle

Turtle

B.M ch SQ in Large ledge outcrop
(200.71) 92/128 93/156 473/12

650/77 DETAIL GRANITE ST

Inst.	Tape	Wthr & Temp	Date	Crew

08-12-10 A

SET on 1 BS 2

meas up @ ⊼ = 4.91

pt # 1100 - 1111

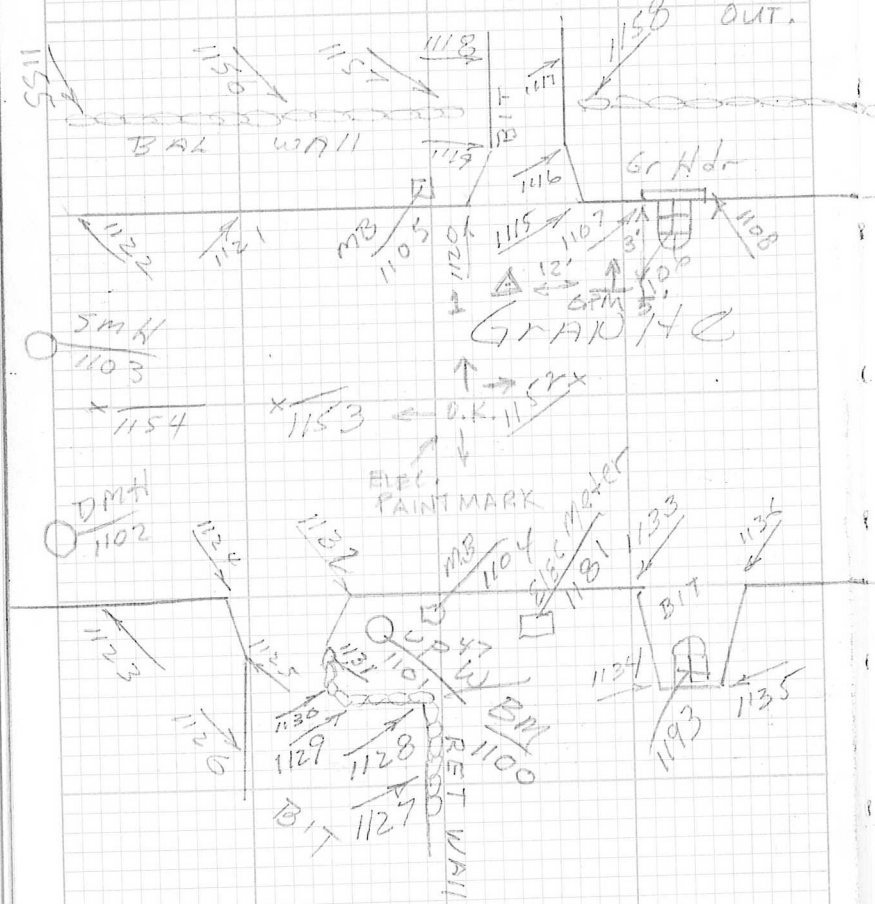
Checkout on 5

BS 4.77

TS 4.88

9/7/2010

J.M./M.S. LOC. UTIL. MARK OUT.



MEDFIELD

650/78

Inst.	Tape	Wthr & Temp	Date	Crew
B03	25	RAIN 75	8-10	GC KN

08-16-2010 A

SET on 1 BS 2

meas up @ ⊼ = 4.94

pt # 1112 - 1195

Checkout on 5

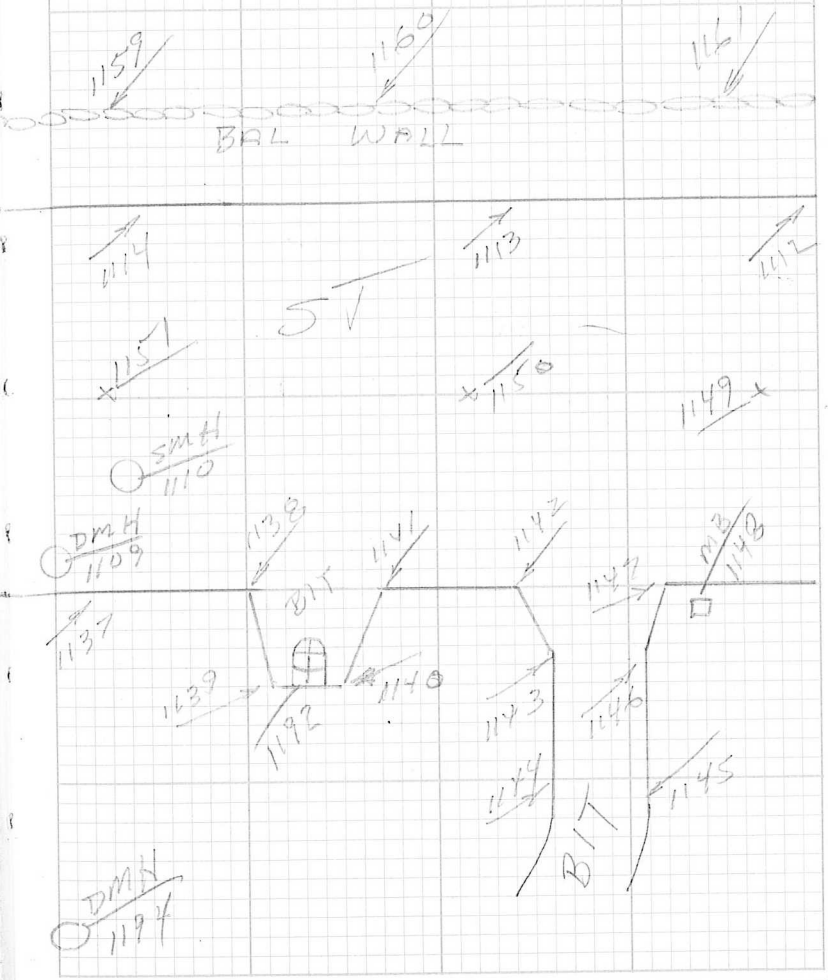
08-16-2010 B

SET on 2 BS 1

meas up = 4.88

pt # 1196 - 1257

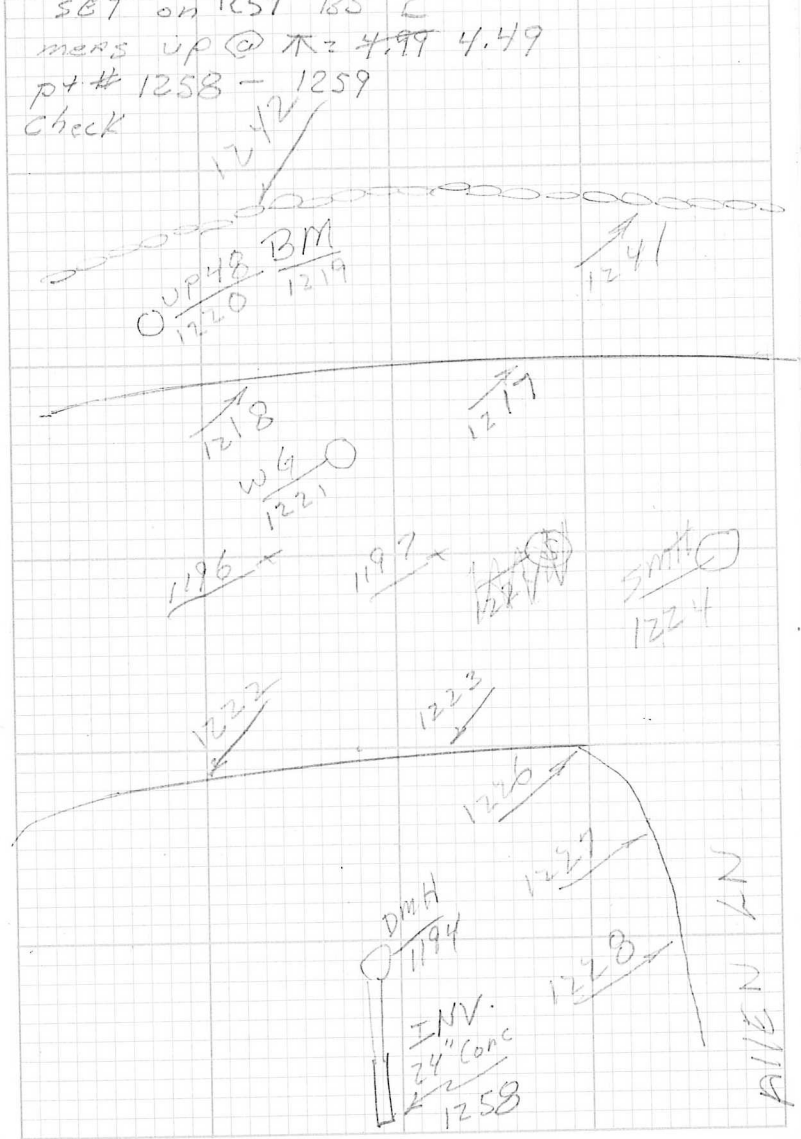
Checkout on 4



650/79 DETAIL GRANITE ST

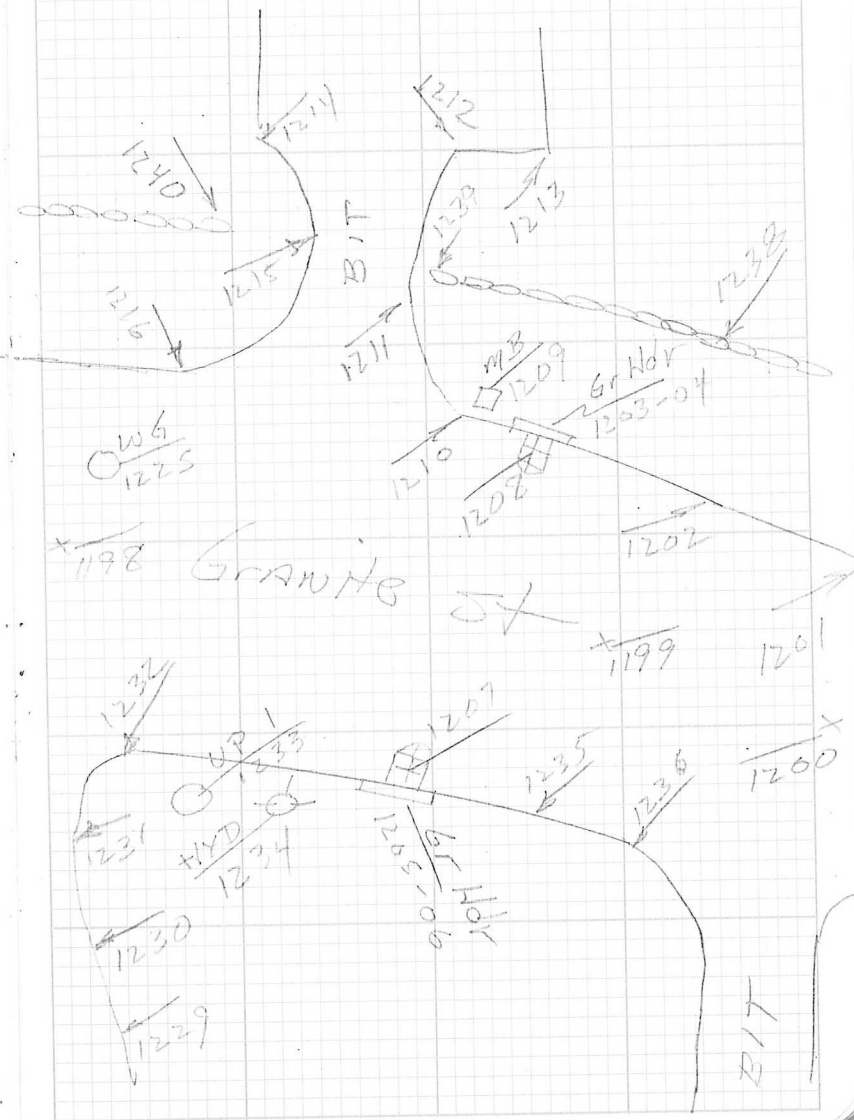
Inst.	Tape	Wthr & Temp	Date	Crew
803	32	RAIN 75	8-16	SC KN

08-17-2010 A
SET on 1257 BS 2
mers up @ π = ~~4.99~~ 4.49
pt # 1258 – 1259
Check



MEDFIELD 650/80

Inst.	Tape	Wthr & Temp	Date	Crew



650/81

Inst.	Tape	Wthr & Temp	Date	Crew

650/82

Inst.	Tape	Wthr & Temp	Date	Crew

650/83

Inst.	Tape	Wthr & Temp	Date	Crew
L 803		T=71° P=29.9 PPM=10.0	4/27/11	

105.33 TC 1 HTS BS 2 95.69 @ MAGS

ASSUME = 100 m

HI = 5.33 Dm = 198.16 H.O. = 5.30

VD = -4.34 H.R. = 5.00

500		5.3	CHK 2
501		5.0	Bm
CHANGE ROD HT. 5.0			
527		14"	DOG-WOOD
562			
563		5.2	CHCF - AR B. 12" MAPC
564		8.0	GRND @ BCDG
565		8.0	" "
566		5.5	GRND
572		5.3	CHK 2 ✓

650/84

Inst.	Tape	Wthr & Temp	Date	Crew

HI = 5.10 H.O. = 5.18

TC 2 MAGS BS @ 1 HTS

Dm = 198.15

VD = +4.415

573		5.18	CHK 1
574		5.50	THR.
583		30"	DECID.
589		30"	DECID TWIN
590			PINE 14 TWIN
591		10"	DECID
592			" "
593	5.30		G.S
602	5.18		CHK 1 ✓
603	10.0		BLDG
605	8.7		BLDG CANR
607	6.0		THRESH
612	5.18		CHK 1 ✓

650/85

Inst.	Tape	Wthr & Temp	Date	Crew
	①	PEG	②	
				101.4
	5.36			PT. 501
			5.54	99.82
	5.21			
			5.37	99.84
	5.35			101.4
		↑		
				4"x6"
		5.32		8' OLD
				POSTS
		5.28		
		5.30		
		5.28		
		5.25		
		5.15		
		5.12		
		5.20		
		5.30		
		5.34		
		5.41		
		5.47		
		5.57		L. CHNR
			5.52	

650/86

Inst.	Tape	Wthr & Temp	Date	Crew

650/87

NORTH ST, NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew
DNA 03		CLEAR 50'S	10/27/14	RTF/KN

DIST.	BS +	HI	FS −	DIST	ELEV	PT.#
		PEG	TEST:	LINE 1		
99'	5.62	105.62			100.00	A1
77'	3.41	105.57	3.45	80'	102.16	1
			5.57	103'	100.00	2
					NAVD 88	
99'	5.51	107.76			102.15	A1
209	7.24	171.58	3.44	84'	164.31	1
170	5.04	171.02	5.57	237	165.98	2
157	7.30	176.83	1.48	192	169.53	3
242	3.41	175.82	4.43	178	172.40	4
235	3.42	170.44	8.80	248	167.01	5
127	1.95	168.66	3.44	234	166.70	6
90	7.98	170.13	6.51	120	162.142	7
115	10.03	179.07	1.08	105	169.04	8
36	5.34	183.27	1.15	92	177.92	9
112	8.37	188.43	3.20	36	180.06	10
69	6.79	193.96	1.27	100	187.16	11
149	1.95	193.47	2.34	92	191.61	12
39	5.64	190.64	8.47	150	185.00	13
105	2.64	188.94	4.34	41	186.2997	14
118	8.20	192.12	5.02	130	183.92	15
15	5.05	196.06	1.11	94	191.01	16
130	8.99	200.93	4.12	16	191.94	17
102	8.29	207.58	1.64	130	199.29	18
253	7.81	212.94	2.45	91	205.13	19
55	5.27	216.32	1.90	246	211.04	20
53	3.20	215.80	4.32	49	211.99	21
			4.35	39	211.4467	22

650/88

Inst.	Tape	Wthr & Temp	Date	Crew

FILE: N102814, GSI

DESC.

RIVET
SN

RIVET

RIVET MASS HWY #7035 IN CONC HW @ NORTH & NEEDHAM ST.
S&N #2 P.92 @ NORTH & NEEDHAM ST.
TURTLE / POND ST
TURTLE / POND ST
MN #1 P.91 / POND ST 33' ± SOUTH OF UP #20/10
TURTLE / POND ST.
TURTLE / POND ST.
RIVET #7035
TURTLE / NORTH ST.
TURTLE / NORTH ST.
MN #4 P.96 BIT SW FRONT OF #81 NORTH ST.
TURTLE / NORTH ST.
MN #5 P.97 BIT SW FRONT OF #75 NORTH ST.
MN #6 P.98 NORTH ST OPP KILPATRICK WAY
BM "A" CHISELED SQR SET @ BK CURB ¢ CB ON SOUTH SIDE KILPATRICK WAY
TURTLE / NORTH ST.
TURTLE / NORTH ST.
S&N #7 P.99 IN GRASS STRIP OPP UP #25 ON NORTH ST.
TURTLE / NORTH ST.
MN #8 P.100 BIT SW FRONT OF # 57 NORTH ST.
TURTLE / NORTH ST.
MN #9 P.101 BIT SW FRONT OF HAROLD CAMPBELL FOREST
BM "B" CHISELED SQR SET TOP OF BOULDER @ PARKING AREA HAROLD CAMPBELL FOREST

650/89 NORTH ST. NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew
DN#03		P. CLOUDY 60's	10/2/94	RTH/MN

DIST.	BS +	HI	FS -	DIST	ELEV	PT#
64	4.97	216.41			211.4467	22
242	5.87	217.72	4.56	89	211.85	23
218	7.32	217.72	7.33	218	210.39	24
142	3.23	212.73	7.27	207	210.44	25
100	7.47	215.97	3.83	161	208.49	26
69	4.04	214.99	5.04	94	210.92	27
116	1.64	211.90	4.73	89	210.25	28 (210.2)
66	4.00	210.09	5.82	144	206.08	29
116	6.03	212.02	4.10	57	205.98	30
83	9.71	219.70	2.03	99	209.98	31
69	~~1.04~~ 7.18	~~219.68~~	1.01 ~~7.18~~	~~69~~ 70	218.68	32
		225.47				
119	1.61	223.43	4.24	54	221.82	33
117	1.03	212.26	12.00	134	211.22	34
222	5.34	214.33	6.27	121	208.99	35 (30)
246	4.63	214.81	1.15	201	210.18	36
241	8.74	217.68	5.87	245	208.93	37
69	4.07	216.97	4.78	236	212.90	38
244	1.43	213.43	4.97	58	211.99	39 (21)
166	1.76	208.80	6.39	236	207.03	40
135	2.13	200.20	10.73	187	198.06	41
83	2.11	191.35	11.06	157	189.12	42
119	5.67	189.10	7.81	102	183.43	43
151	8.52	193.52	4.09	115	185.00	44 (13)
129	2.11	192.24	3.39	169	190.13	45
114	1.54	184.36	9.42	126	182.82	46
84	1.14	176.21	9.30	131	175.06	47
76	2.33	169.55	8.99	104	167.22	48
			2.39	72	167.155	49

650/90

Inst.	Tape	Wthr & Temp	Date	Crew
FILE: N102814.GSI				

DESC.

BM "B" CHISELED SQR @ HAROLD CAMPBELL FOREST
TURTLE / NORTH ST.
TURTLE / NORTH ST.
MN #10 P.102 / IN FRONT OF M-BOX #48 NORTH ST.
TURTLE / NORTH ST.
MN #11 P.103 BIT SW FRONT OF #31 NORTH ST.
RIVET #3177 IN LEDGE FRONT #34 NORTH ST (210.947 NGVD29)
TURTLE / NORTH ST.
MN #12 P.104 / IN COBBLES @ NORTH & UNION ST
TURTLE / LIBERTY LN
TURTLE / LIBERTY LN

DISK IN CONC WALK LIBERTY LN #13 P.106
TURTLE / LIBERTY LN
MN #12 IN COBBLES @ NORTH & UNION ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
MN #9 BIT SW FRONT OF HAROLD CAMPBELL FOREST
TURTLE / NORTH ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
MN #6 NORTH ST OPP KILPATRICK WAY
TURTLE / NORTH ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
TURTLE / NORTH ST.
RIVET #7035 (162.15) V 0.013'

650/91

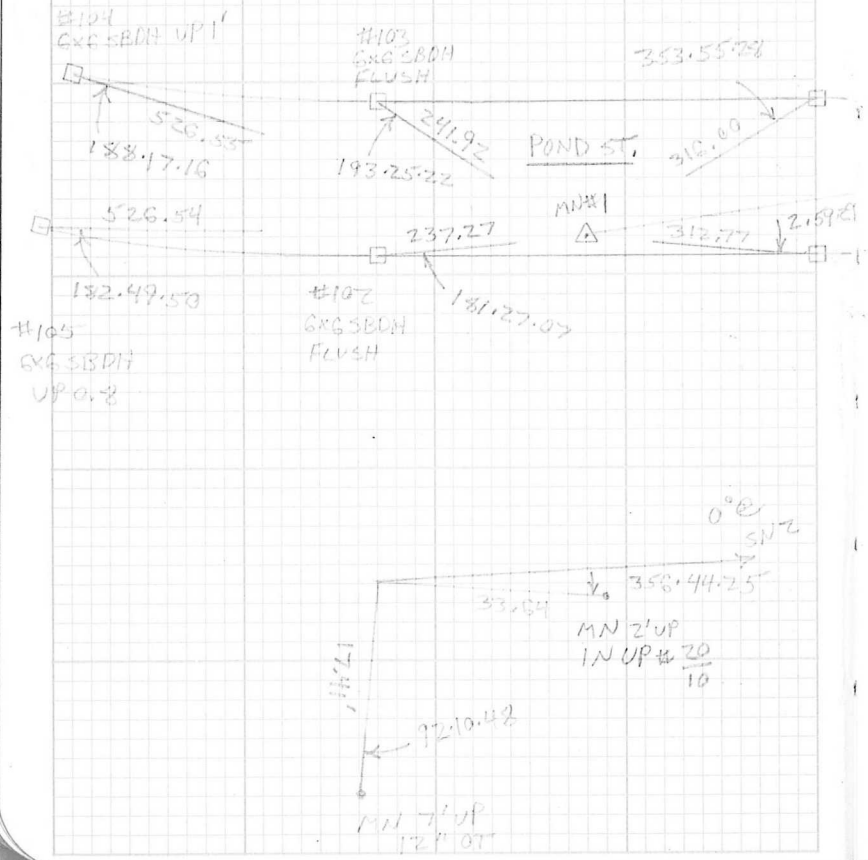
NORFOLK POND & NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
893		CLOUDY 60'S	10/29/14	RTF/EN

FILE: NORFOLK 10-29-14

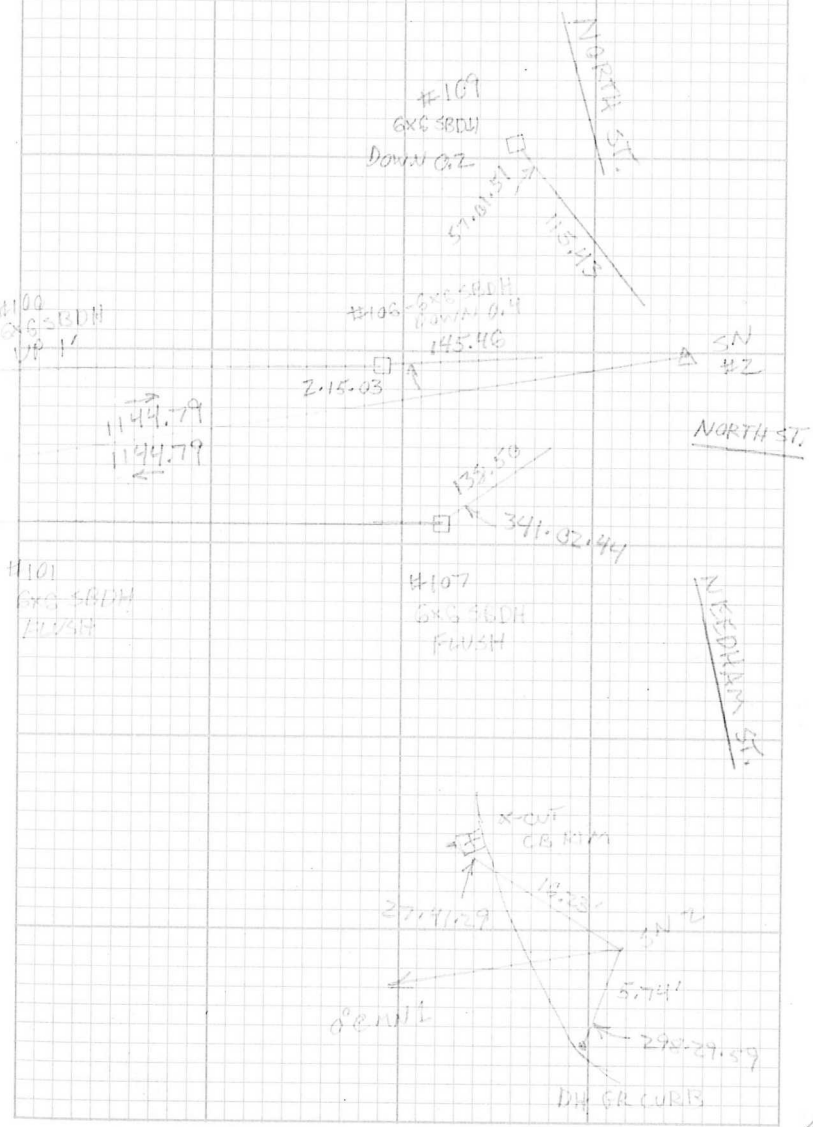
A@1 H 14.37
B S2@ 4.29

A@2 H 14.89
B S1@ 4.87



650/92

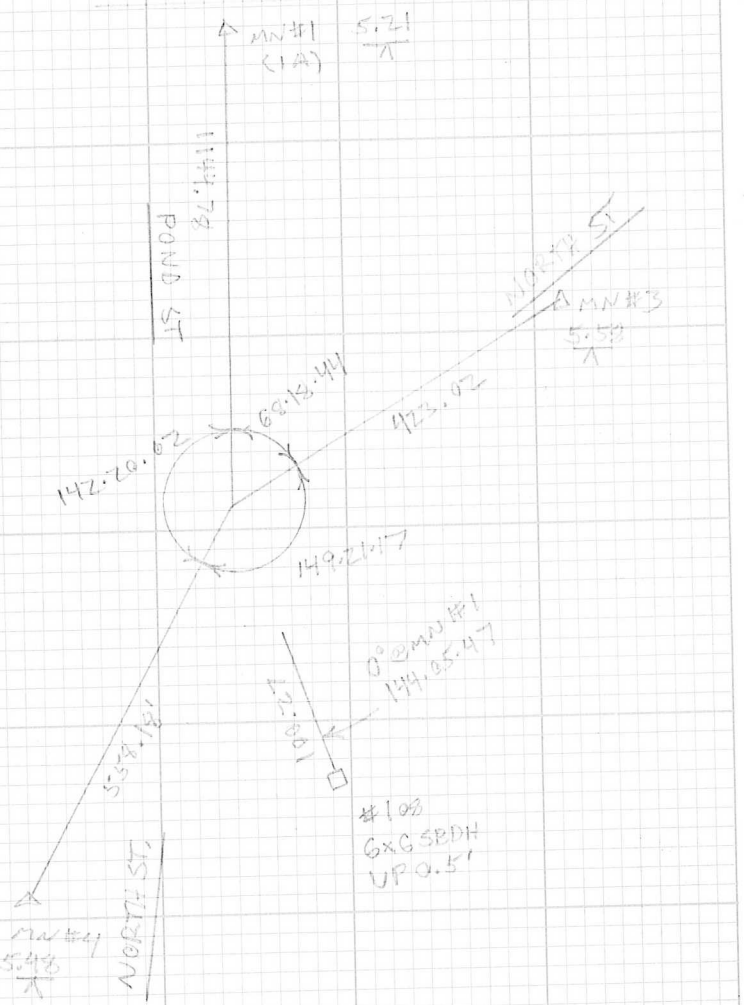
Inst.	Tape	Wthr & Temp	Date	Crew



NORFOLK POND & NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 60'S	10/29/14	RTF/KN

FILE: NORFOLK 10-29-14

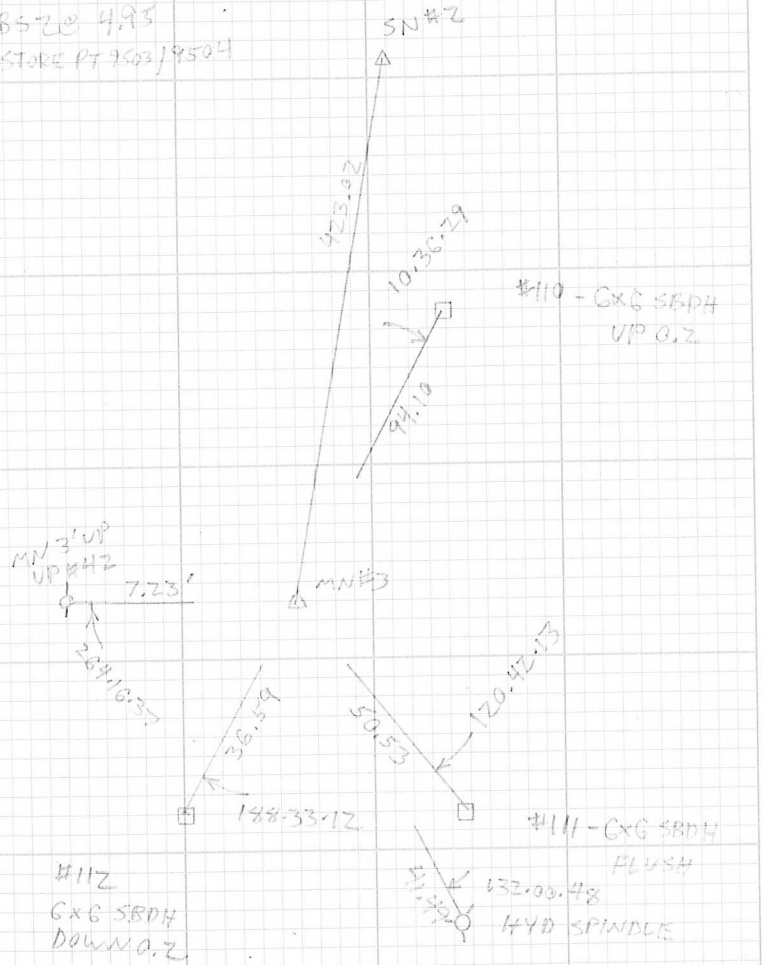


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 50'S	10/30/14	RTF/KN

FILE: NORFOLK 10-30-14

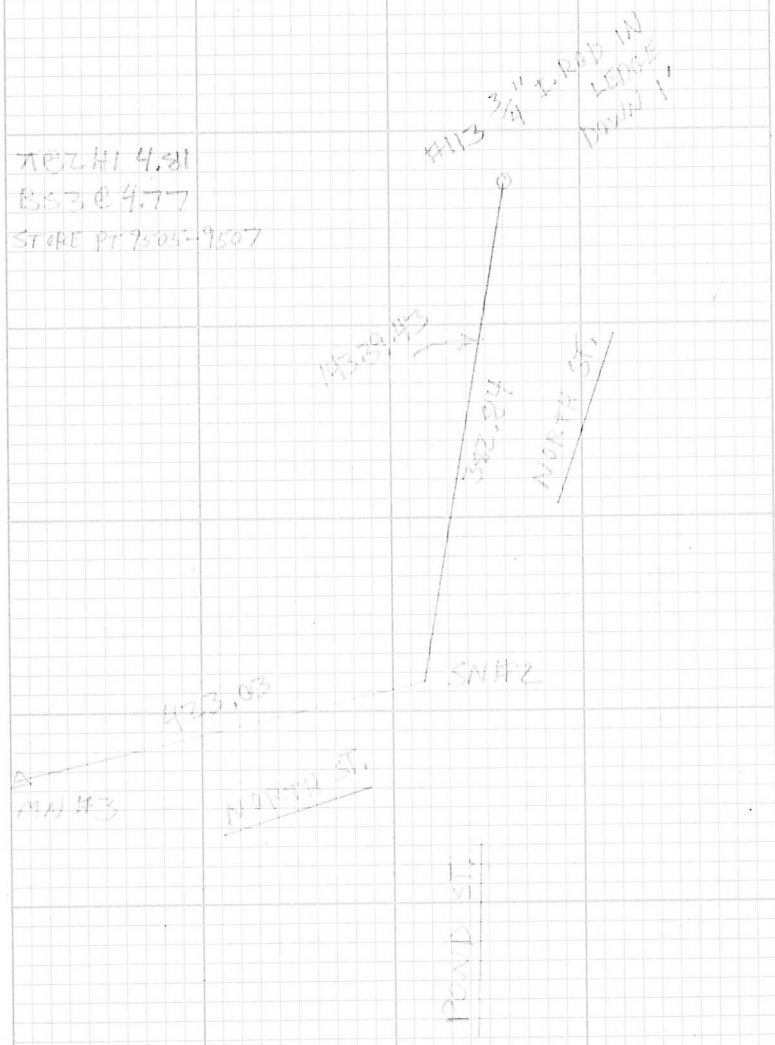
AE341 4.77
BS2e 4.93
STORE PT 9503/9504



NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 50's	10/30/14	PTR/RN

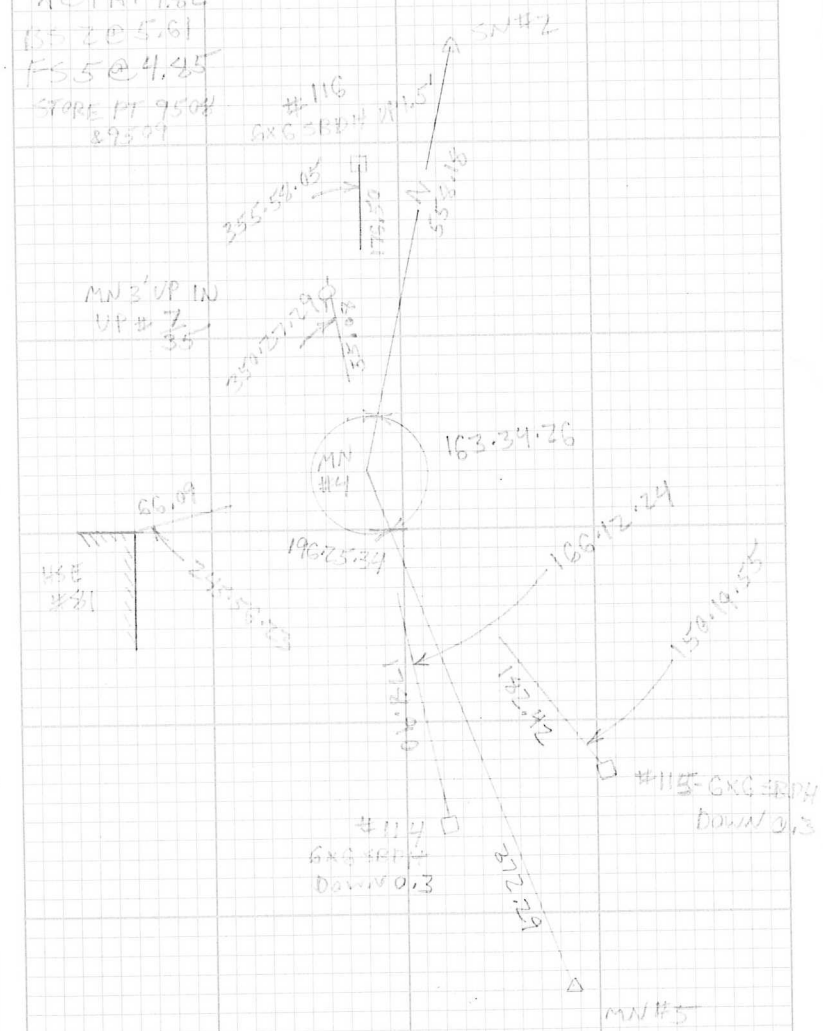
FILE: NORFOLK 10-30-14



NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 50's	10/30/14	PTR/RN

FILE: NORFOLK 10-30-14

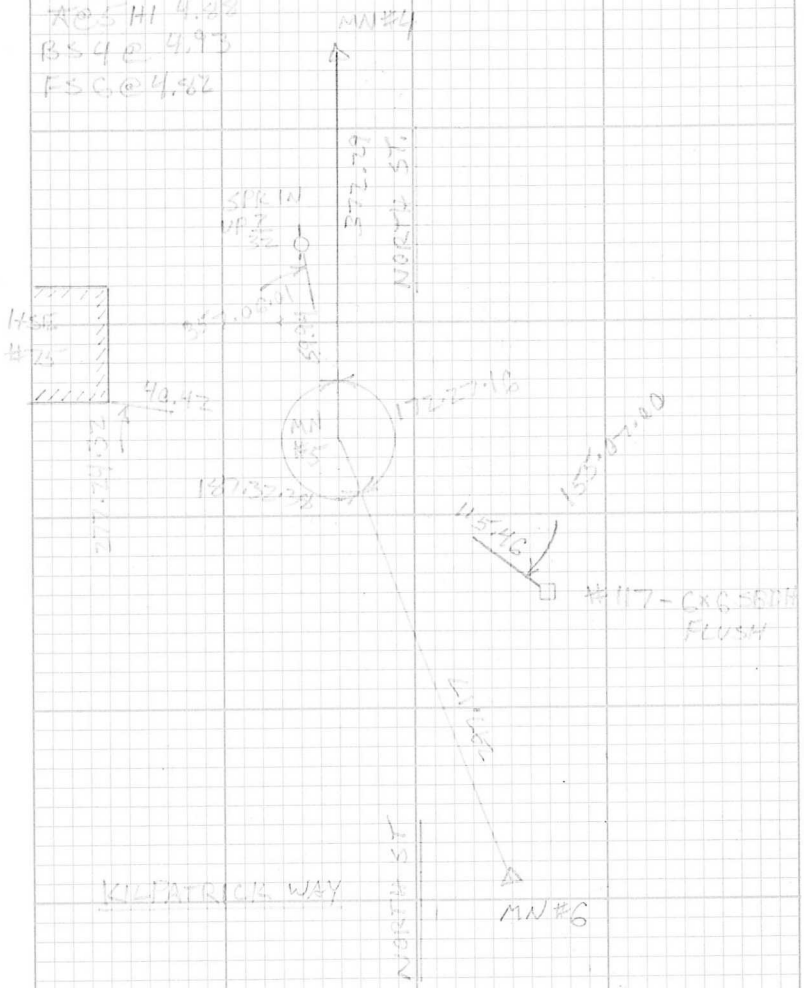


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50's	10/31/14	RT/KN

FILE: NORFOLK 10-31-14

AC5 HI 4.82
BS4 @ 4.93
FS6 @ 4.82

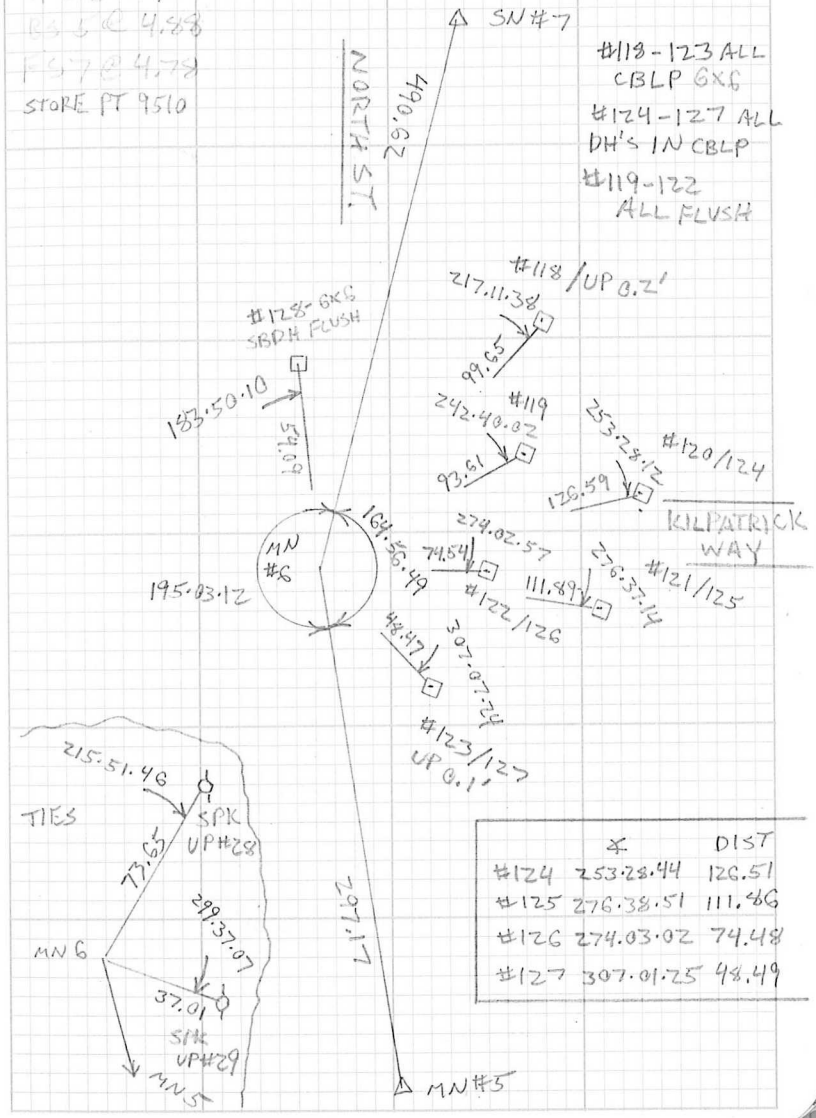


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50's	10/31/14	RT/KN

FILE: NORFOLK 10-31-14

AC6 HI 4.82
BS5 @ 4.83
FS7 @ 4.78
STORE PT 9510



	∡	DIST
#124	253.28.44	126.51
#125	276.38.51	111.86
#126	274.03.02	74.48
#127	307.01.25	48.49

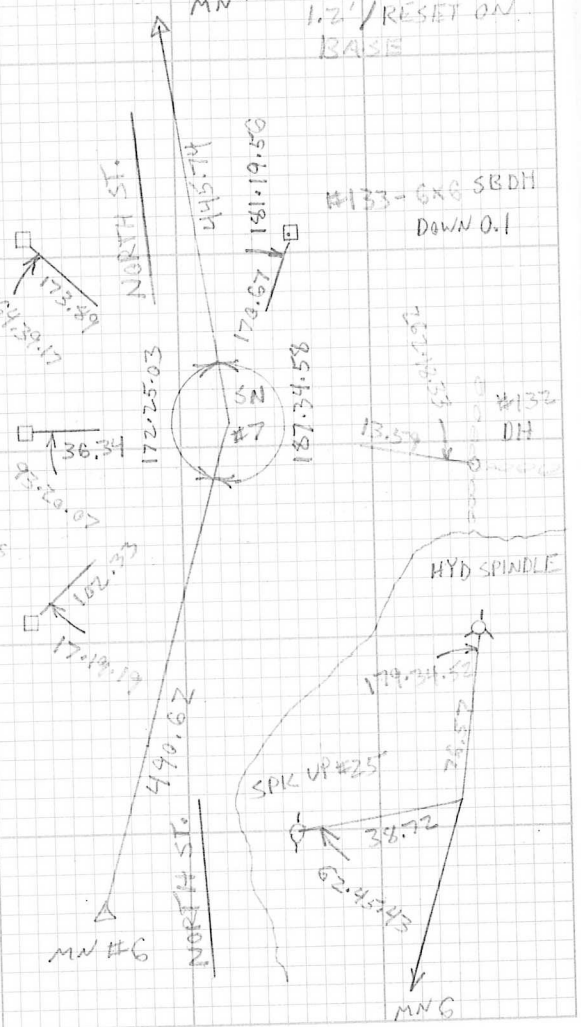
NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50'S	10/31/14	RTF/KN

FILE: NORFOLK 10-31-14

X @ 7 HI 4.81
BS 6 @ 4.84
FS 8 @ 5.59
STORE PT 9511

X NOTE: BND #133 FOUND BROKEN DOWN 1.2'/RESET ON BASE

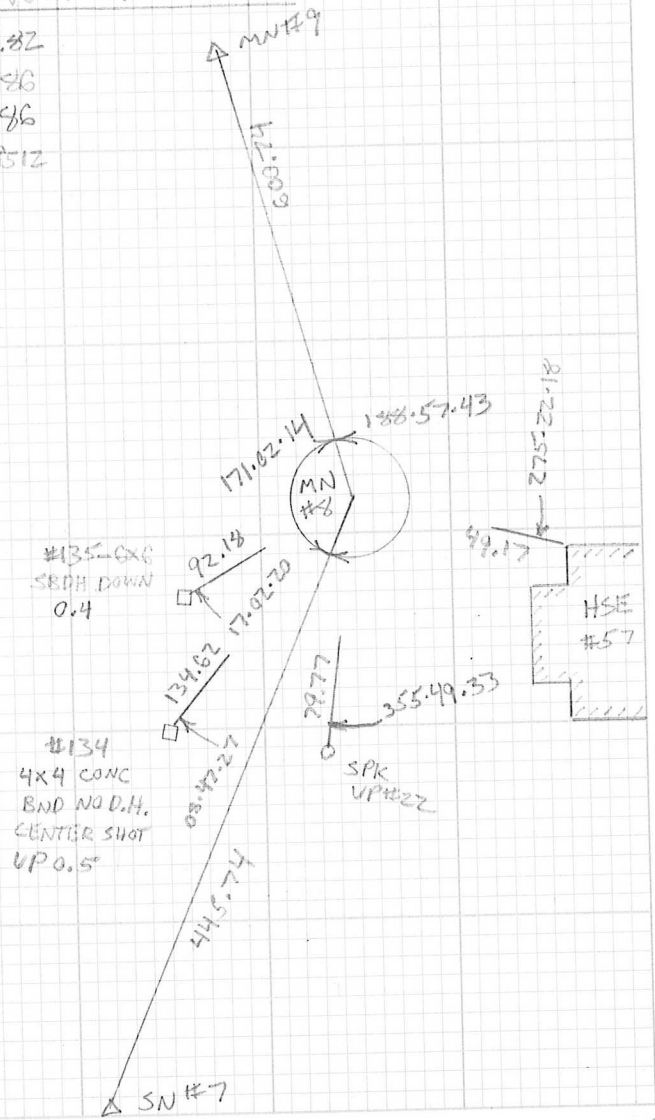


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40'S	11/3/14	RTF/KN

FILE: NORFOLK 11-3-14

X @ 8 HI 4.82
BS 7 @ 4.86
FS 9 @ 4.86
STORE PT 8512

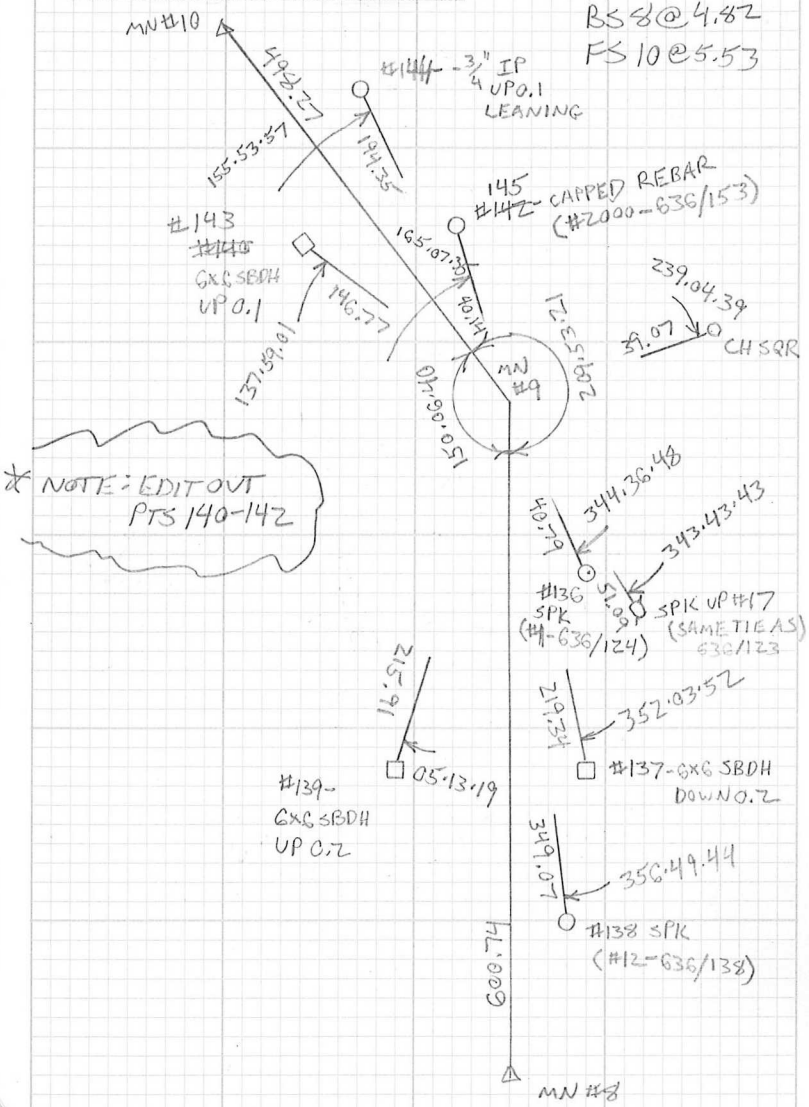


NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40'S	11/3/14	RTF/KN

FILE: NORFOLK 11-3-14

π@9 H1
BS 8@4.82
FS 10@5.53

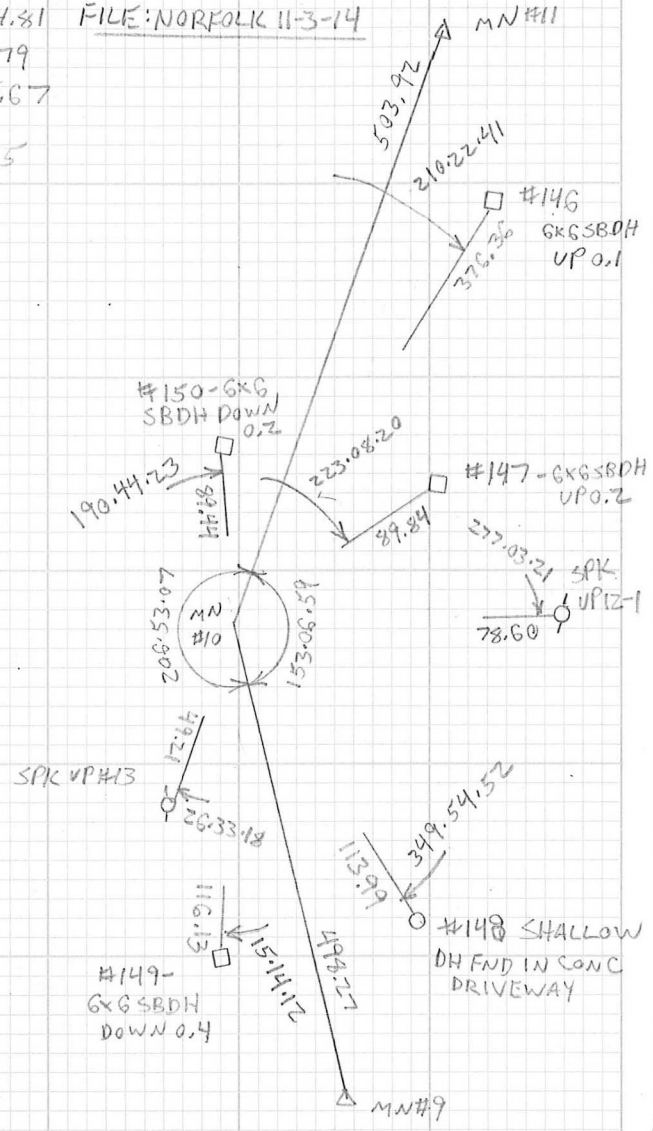


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40'S	11/3/14	RTF/KN

π@10 H1 14.81
BS 9@5.79
FS 11@5.67
STORE PT 9513-9515

FILE: NORFOLK 11-3-14



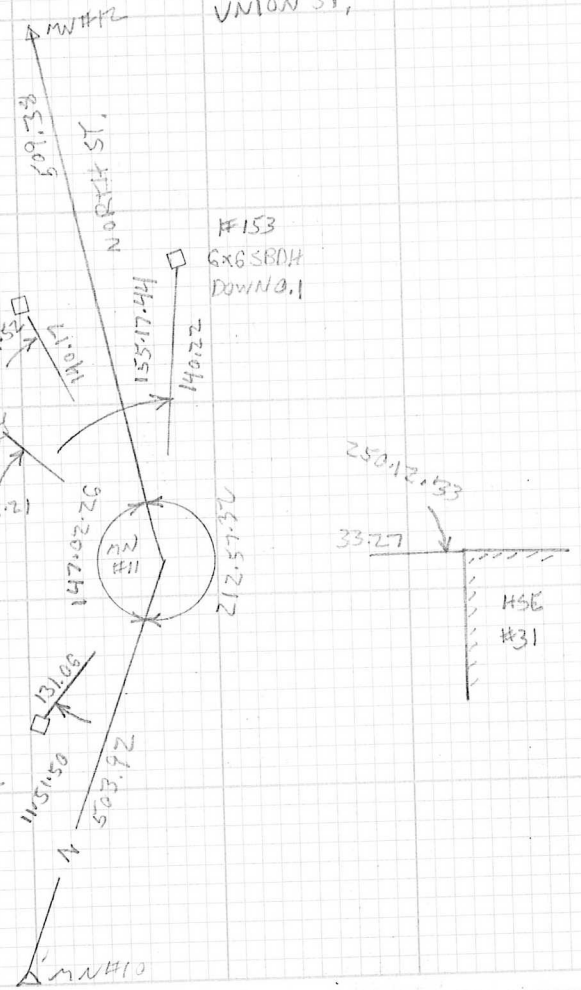
650/103

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 50'S	11/4/14	RTF/KN

FILE: NORFOLK 11-4-14

TP 11 H 14.85
BS 10 @ 4.87
FS 12 @ 4.85
STORE PT
9516-9518



650/104

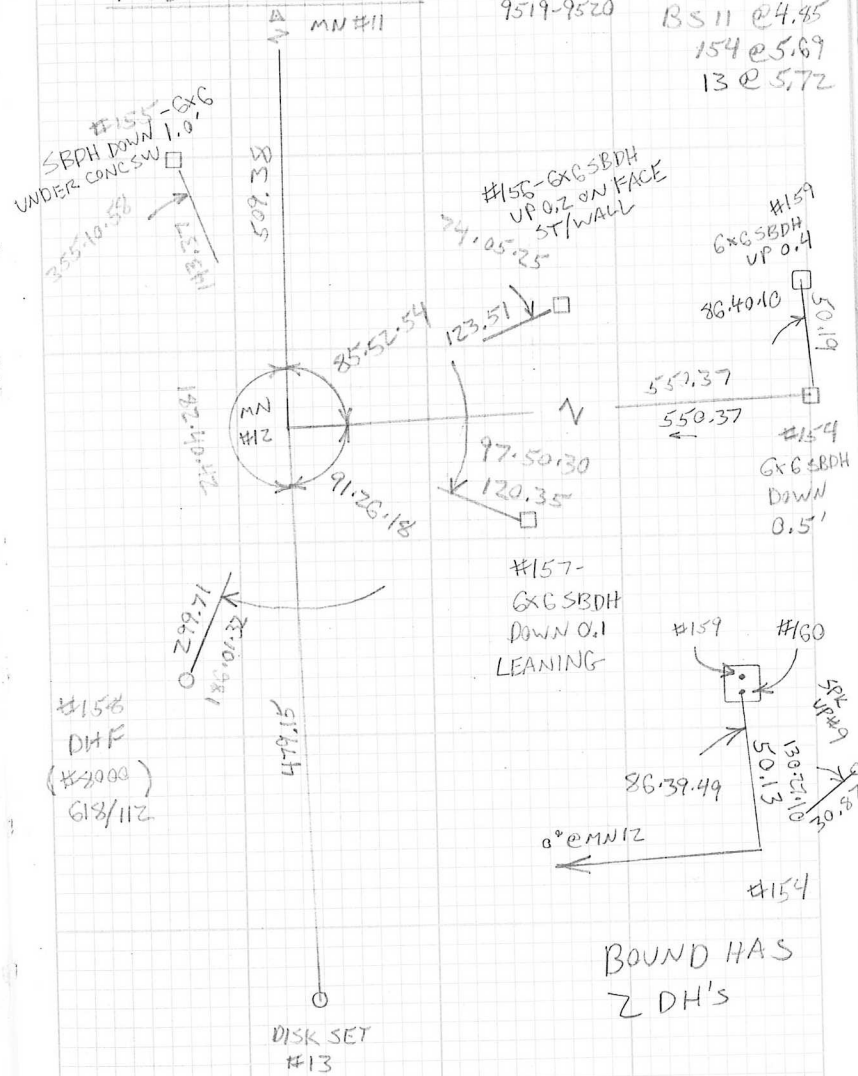
NORFOLK NORTH & UNION ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50'S	11/4/14	RTF/KN

FILE: NORFOLK 11-4-14

STORE PT
9519-9520

TP 12 H 14.85
BS 11 @ 4.85
154 @ 5.69
13 @ 5.72



BOUND HAS
2 DH'S

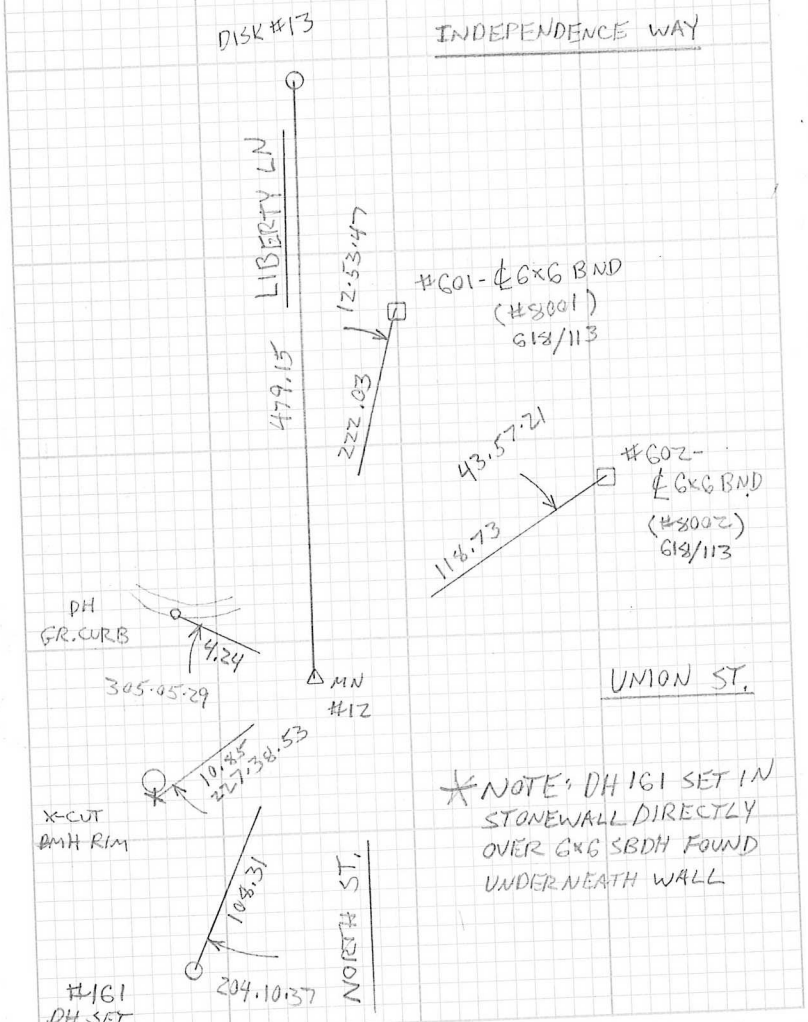
650/105

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P.CLOUDY 50's	11/5/14	RTF/KN

FILE: NORFOLK 11-5-14

T@12 H14.83
BS 13@4.89



*NOTE: DH 161 SET IN STONEWALL DIRECTLY OVER 6x6 SBDH FOUND UNDERNEATH WALL

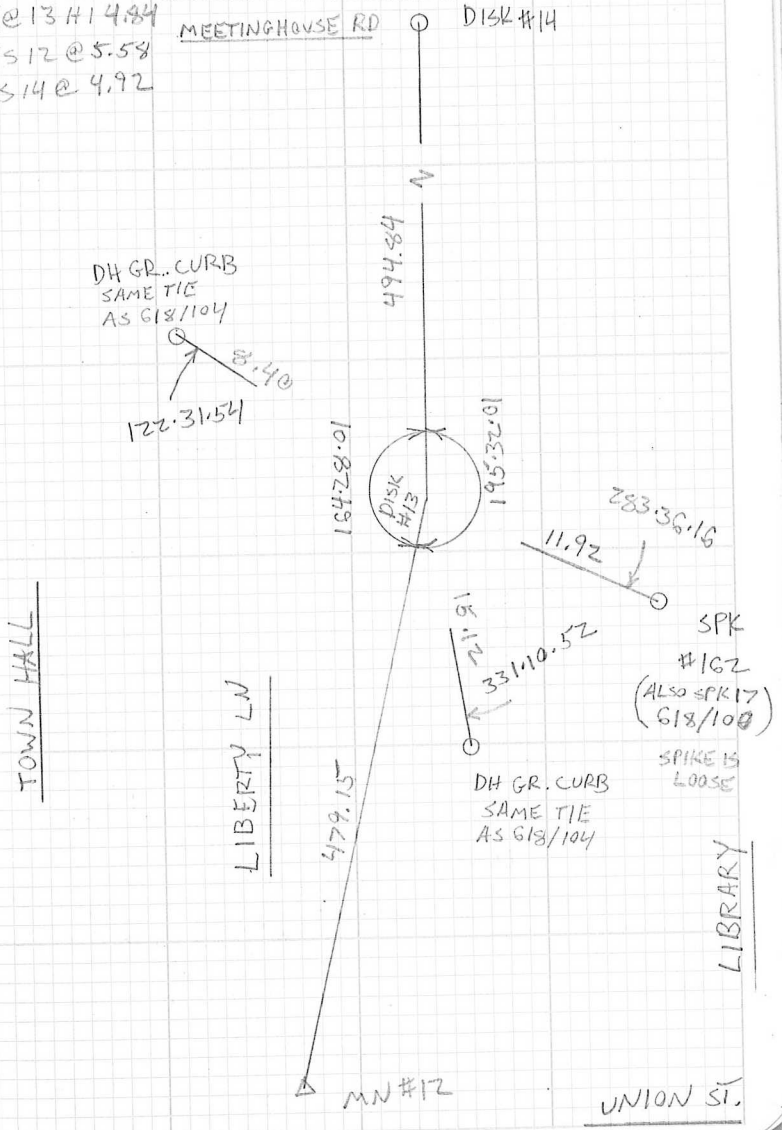
650/106

NORFOLK LIBERTY LN

Inst.	Tape	Wthr & Temp	Date	Crew
803		P.CLOUDY 50's	11/5/14	RTF/KN

FILE: NORFOLK 11-5-14

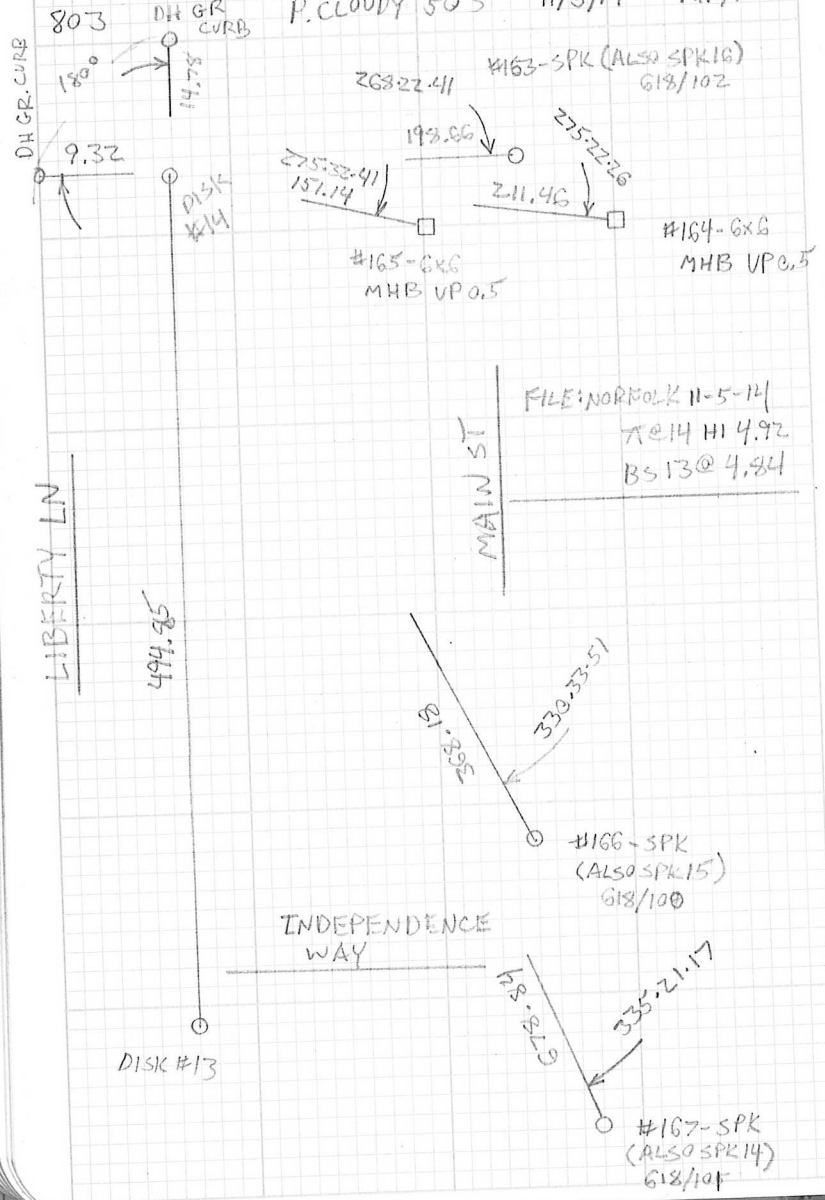
T@13 H14.84
BS 12@5.58
FS 14@4.92



650/107

NORFOLK LIBERTY LN

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50's	11/5/14	RTF/KN



650/108

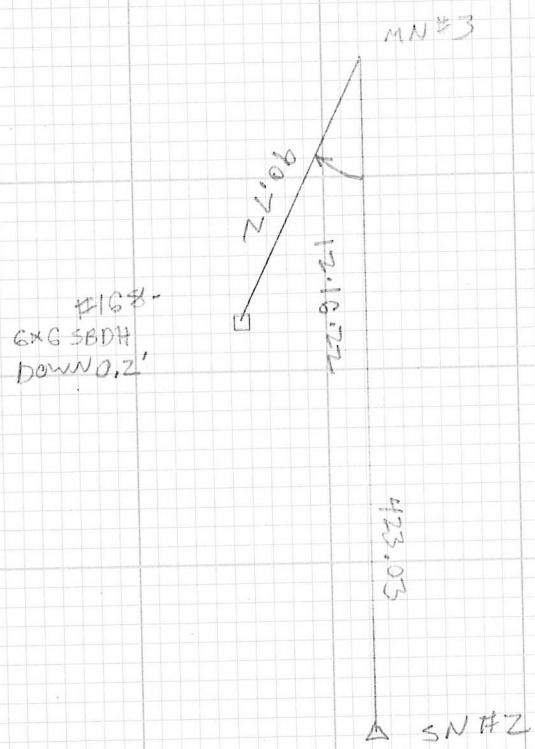
NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40's	11/10/14	RTF/KN

FILE: NORFOLK 11-10-14

AT @ 3 HI 4.88
BS 2 @ 4.75

STK PT	STORE PT
9003	9521

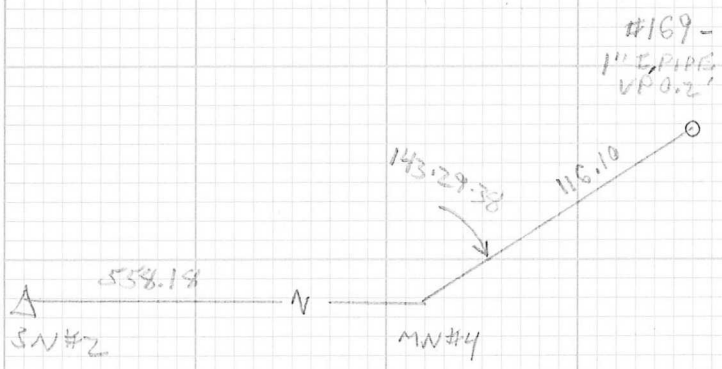


NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40's	11/10/14	RTP/KN

FILE: NORFOLK 11-10-14

	STK PT	STORE PT
TE 2 HI 4.75		
BS 3 @ 4.88	9044	9522 NF 3'
	9065	9523 NF
	9066	9524 NF
	9058	9525 NF 2'
TE 4 HI 4.82	9055	9526 IPF
BS 2 @ 4.75	9056	9527 NF
	9059	9528 NF



NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 50's	11/10/14	RTP/KN

FILE: NORFOLK 11-10-14

	STK PT	STORE PT
TE 6 HI		
BS 5 @	9068	9529 NF 2'3"
	9069	9530 BIT DW

650/111

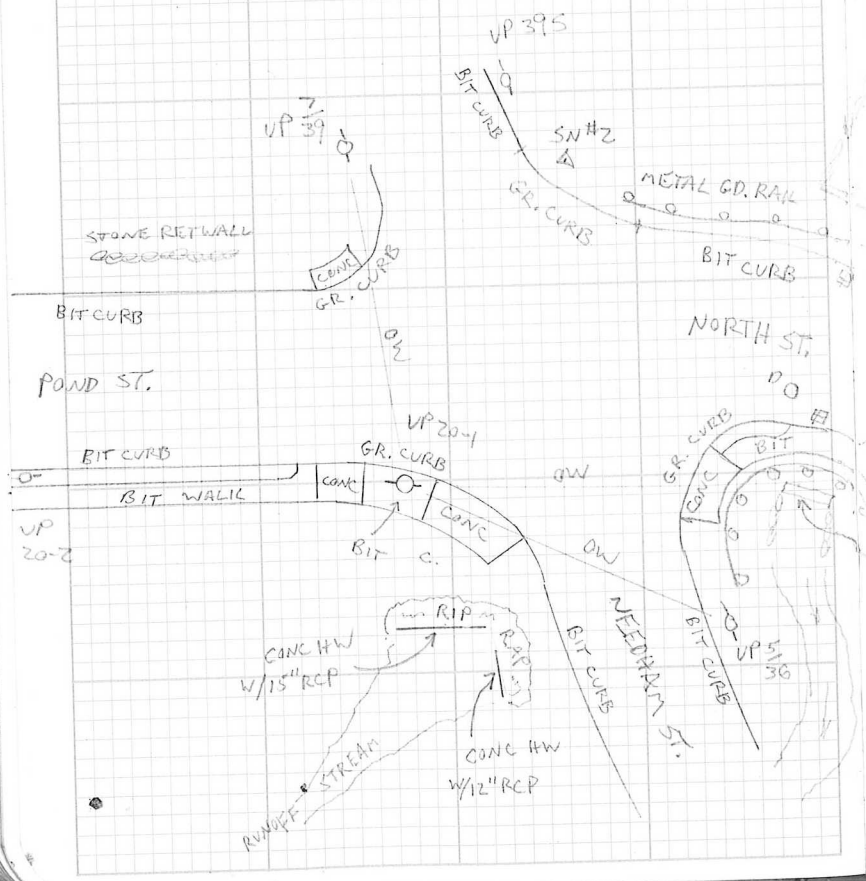
NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 50's	11/12/14	RTF/KN

FILE: NORFOLK TOPO 11-12-14

TE 2 HI 4.88
BS 4 @ 5.40
1182 – 1267
(1267 MFLY #3)

TE 2 HI 4.91
BS 4 @ 5.40
1000 – 1181
(1181 MFLY #3)



650/112

NORFOLK NORTH ST.

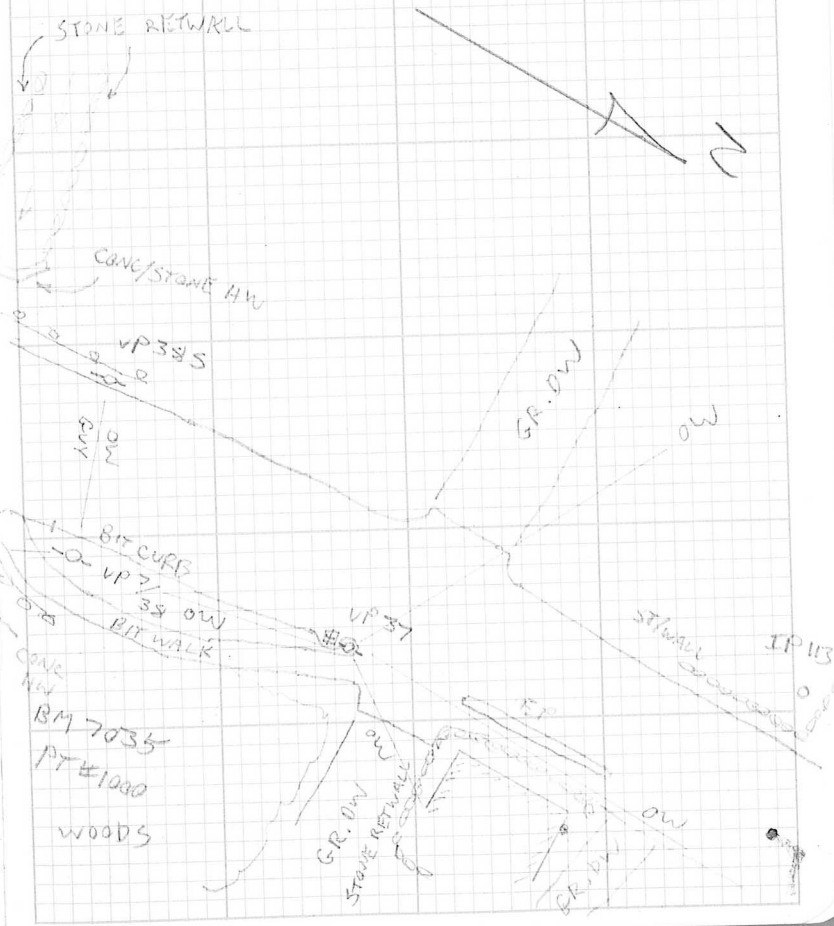
Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 40's	11/13/14	RTF GC

FILE: NORFOLK TOPO 11-13-14

TE 2 HI 5.47
BS 4 @ 5.40
1268 – 1525
(1525 MFLY 4)

0-0-2.08 GUY
1404 RH 8.1 ✓
1426 BS ✓
1441 E ✓
1442 RH 10.2 ✓

TE 4 HI 5.53
BS 2 @ 5.4
1526 – 1603
0-2-7.12
(1603 MFLY 5)



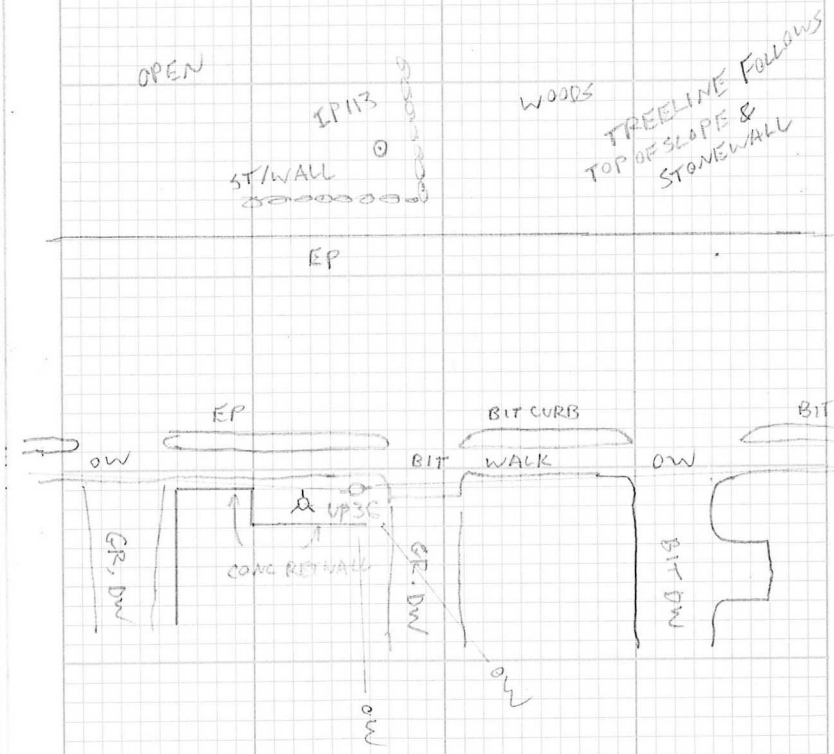
650/113

NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 40'S	11/14/14	RTP/KN

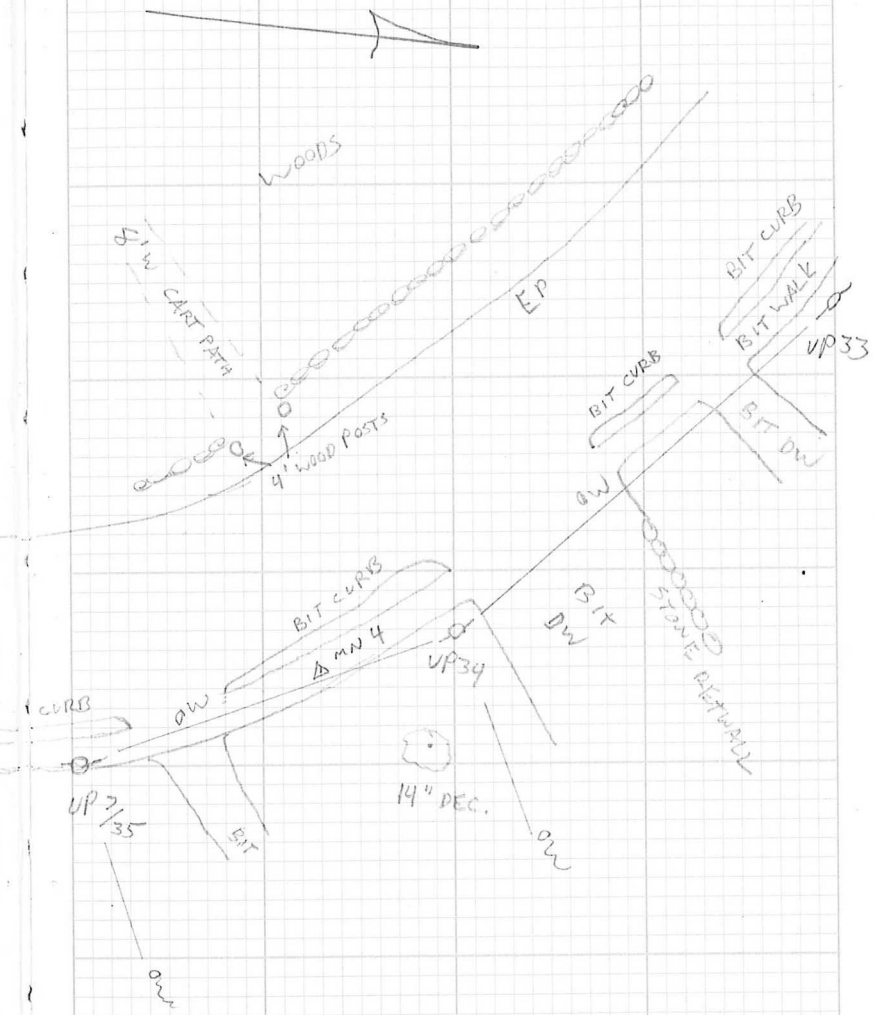
FILE: NORFOLK TOPO 11-14-14

TC 4 HI 4.88 TC 5 HI 4.88 1748 & 49 RH 9.0
BS 2 @ 5.40 BS 6 @ 5.40
1604 – 1769 1770 – 1816
(1769 MFLY 5) (1816 MFLY 4)



650/114

Inst.	Tape	Wthr & Temp	Date	Crew



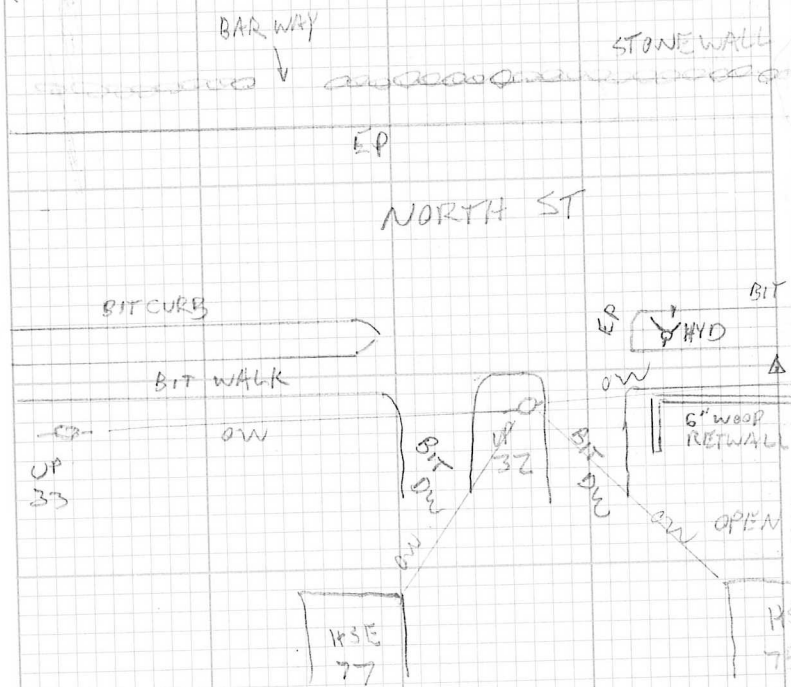
650/115

NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		P.CLOUDY 30's	11/18/14	RTF/KN

FILE: NORFOLK TOPO 11-18-14

TE5 H1 4.88
BS 6 @ 4.85
1817-1920
(1920 MFLY4)

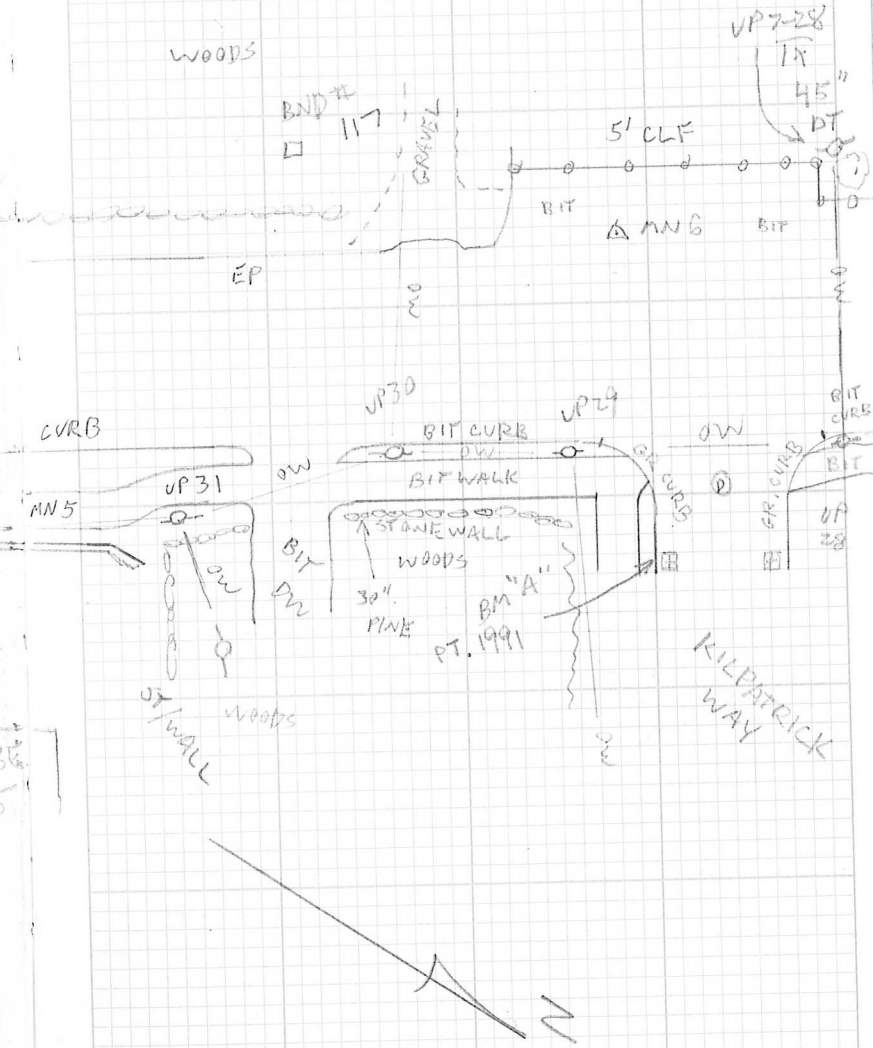


TE6 H1 4.85
BS 5 @ 5.40
1921-1996
(1996 MFLY5)

TE6 H1 4.90
BS 7 @ 5.40
1997-2067
(2067 MFLY5)

650/116

Inst.	Tape	Wthr & Temp	Date	Crew
			11/18/14	RTF/KN



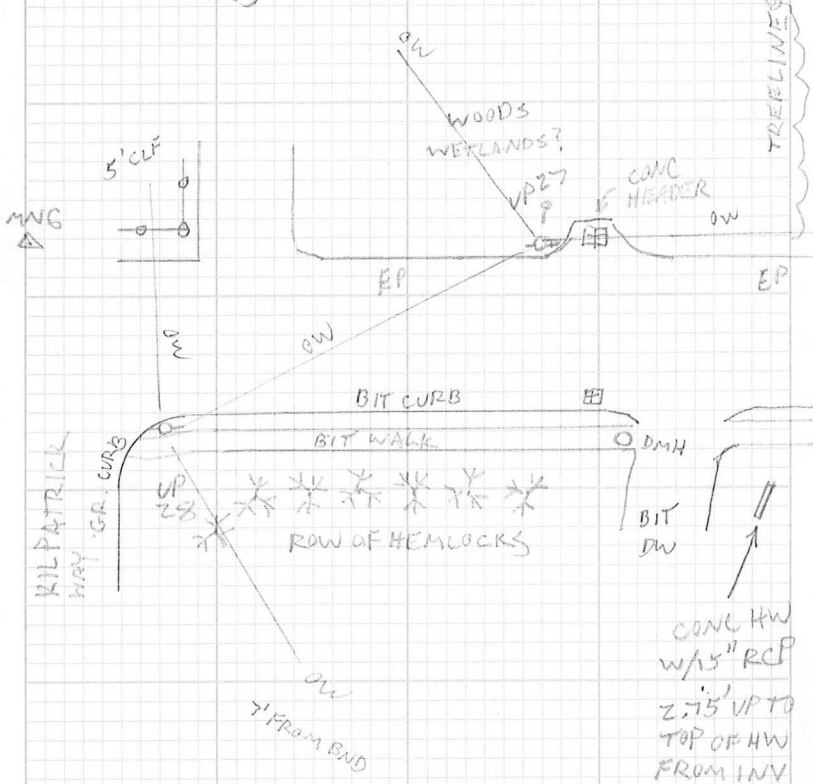
NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30'S	11/19/14	RTR/KN

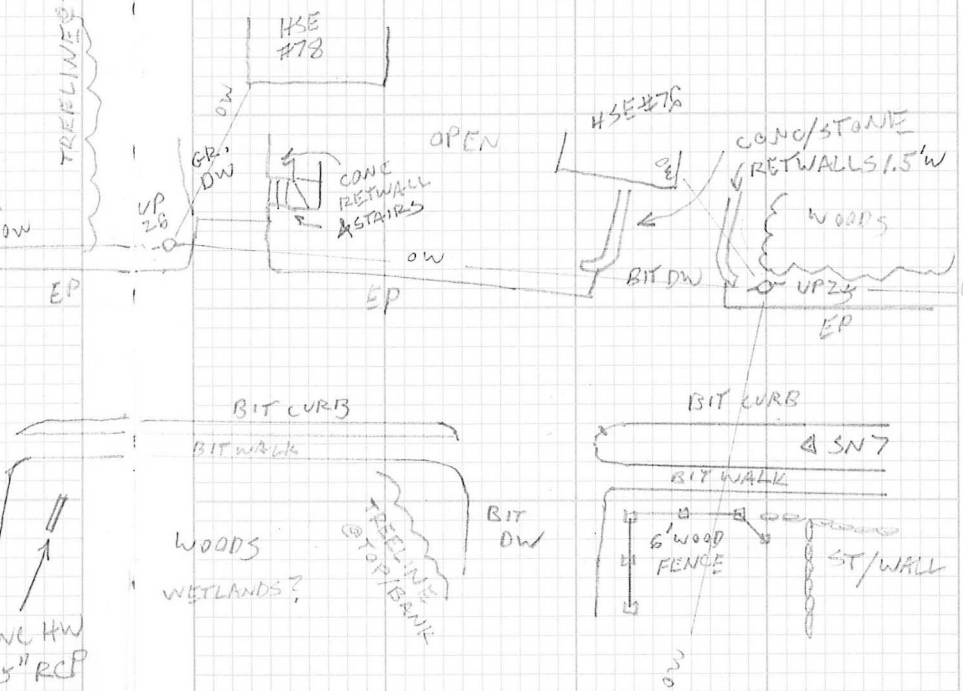
FILE: NORFOLK TOPO 11-19-14

TC6 H14.88
BS7 @ 5.40
2068-2173
(2173 MFLY5)

TC7 H14.87
BS6 @ 5.40
2174-2287
(2287 MFLY6)



Inst.	Tape	Wthr & Temp	Date	Crew
			11/19/14	RTR/KN



650/119

NORFOLK NORTH ST.

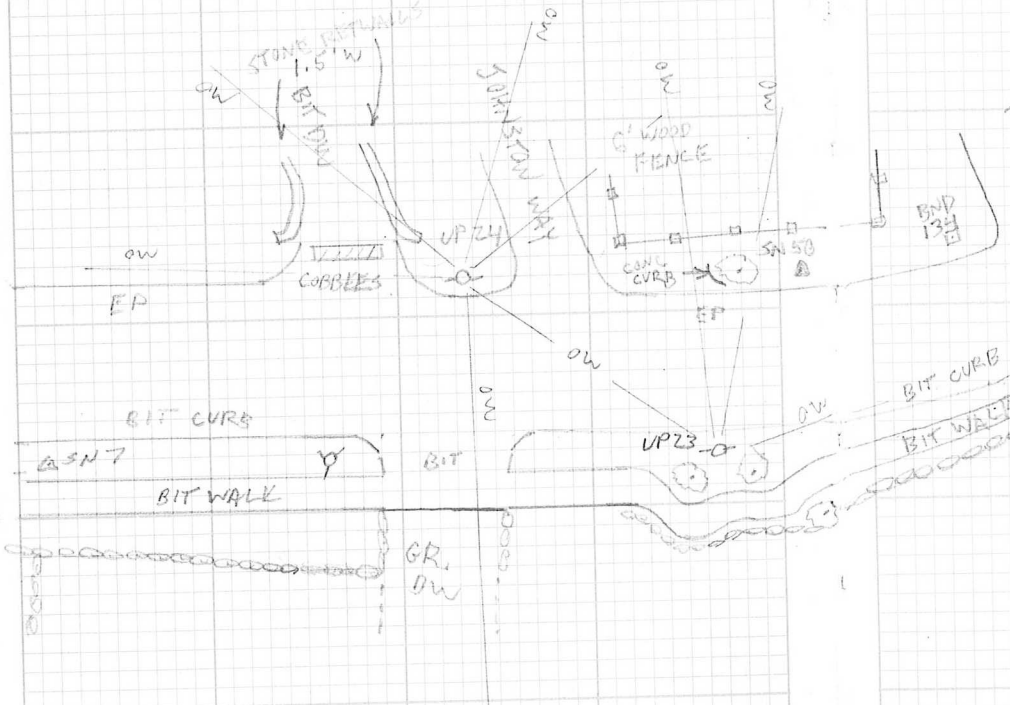
Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30's	11/20/14	RTF/KN

FILE: NORFOLK TOPO 11-20-14

TA @ 7 HI 4.84
BS 8 @ 5.40

2286-2447
2447 MFLY 4
SN 50 set @ 5.40
TOPO STA.

TA @ 5 HI 4.85
BS 7 @ 5.40
2449-2557
2557 MFLY 8



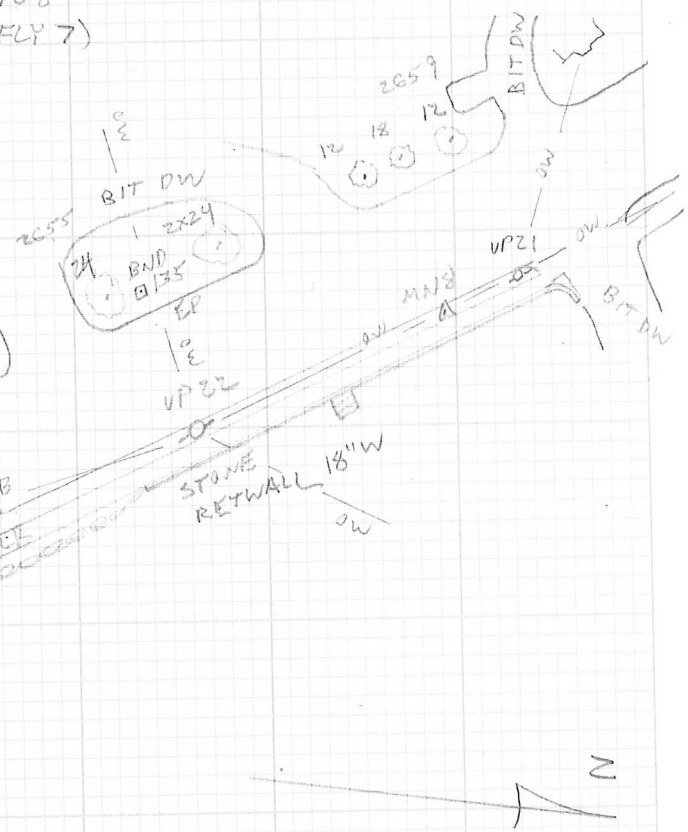
650/120

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30's	11/21/14	RTF/KN

FILE: NORFOLK TOPO 11-21-14

TA @ 8 HI 4.86
BS 9 @ 5.40
2558-2708
(2708 MFLY 7)



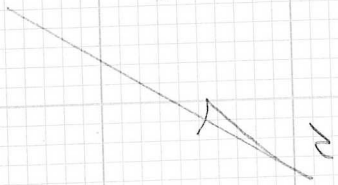
650/121

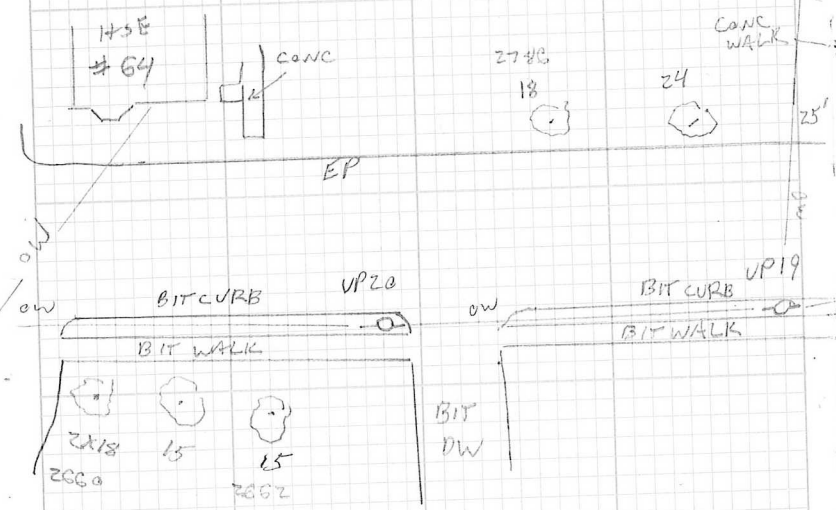
NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30'S	11/21/14	RTF/KN

FILE: NORFOLK TOPO 11-21-14

T@9 HI 4.92
BS 8@ 5.40
2709-2831
(2831 MFLY 10)





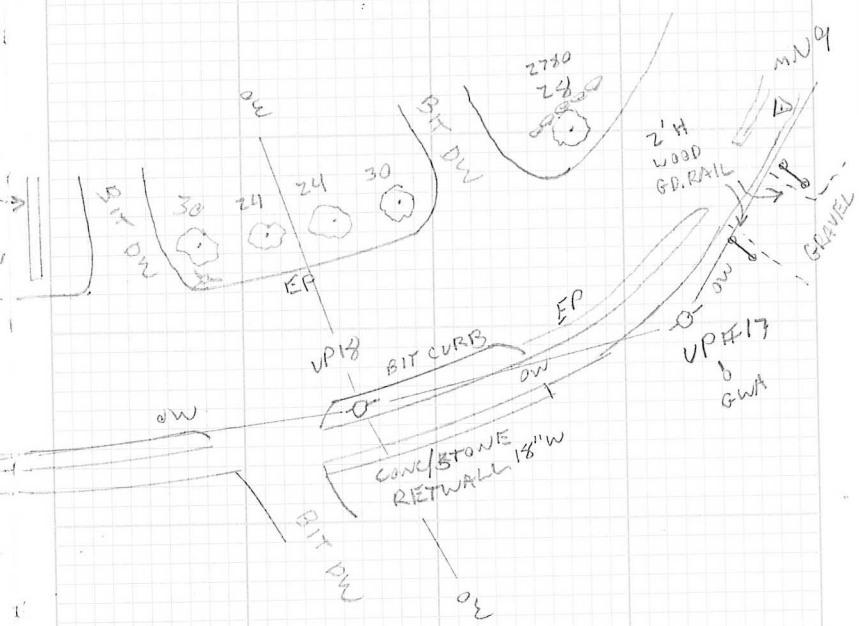
650/122

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 60'S	11/25/14	RTF/KN

FILE: NORFOLK TOPO 11-25-14

T@9 HI 4.87
BS 10@ 4.73
2832-3041
3041 MFLY 10
PT 51 MN TOPO STA SET



NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 60's	11/25/14	RTF/RN

FILE: NORFOLK 11-25-14

AZ 9/BS 10
STK 9076 NF IN BIT.
STORE 9531

#170 - 5x5 CBDH VP 0.3

241.24.41

65.17

MN 9
P.101

NORTH ST.

MN 10
P.102

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 30's	12/2/14	RTF/RN

FILE: NORFOLK 12-02-14

AZ 11 H14.91
BS 10 ⊥ 5.53

MN 10

02.57.45

171 - 5x5 CBLP FLUSH

452.48

#172 LEANING BASE SHOT

172 - 5/8 REBAR UP 1'

351.02.33

167.98

503.94

173 - 6x6 CONC BND NO DH CENTER SHOT

348.14.57

70.01

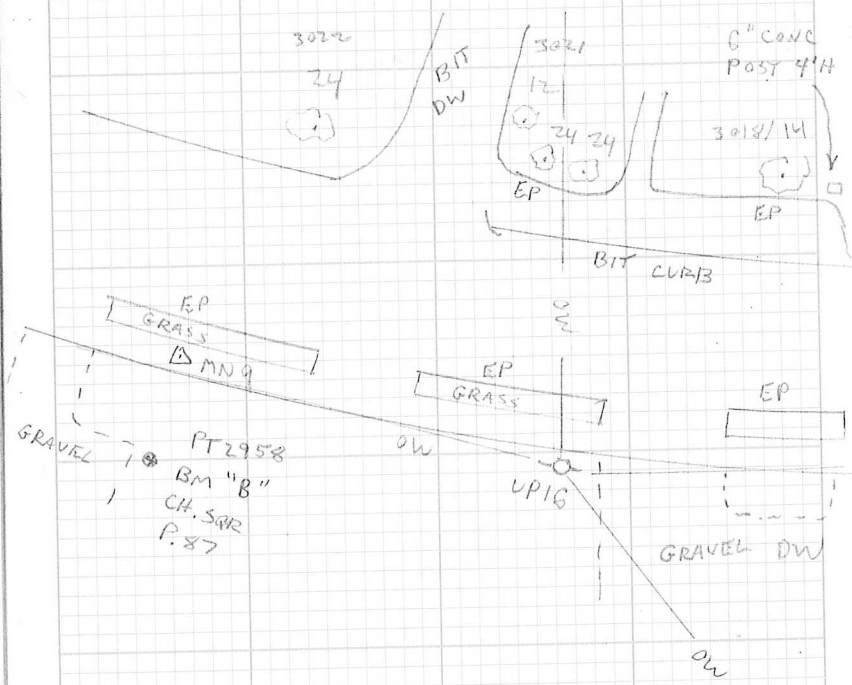
MN 11

NORFOLK NORTH ST.

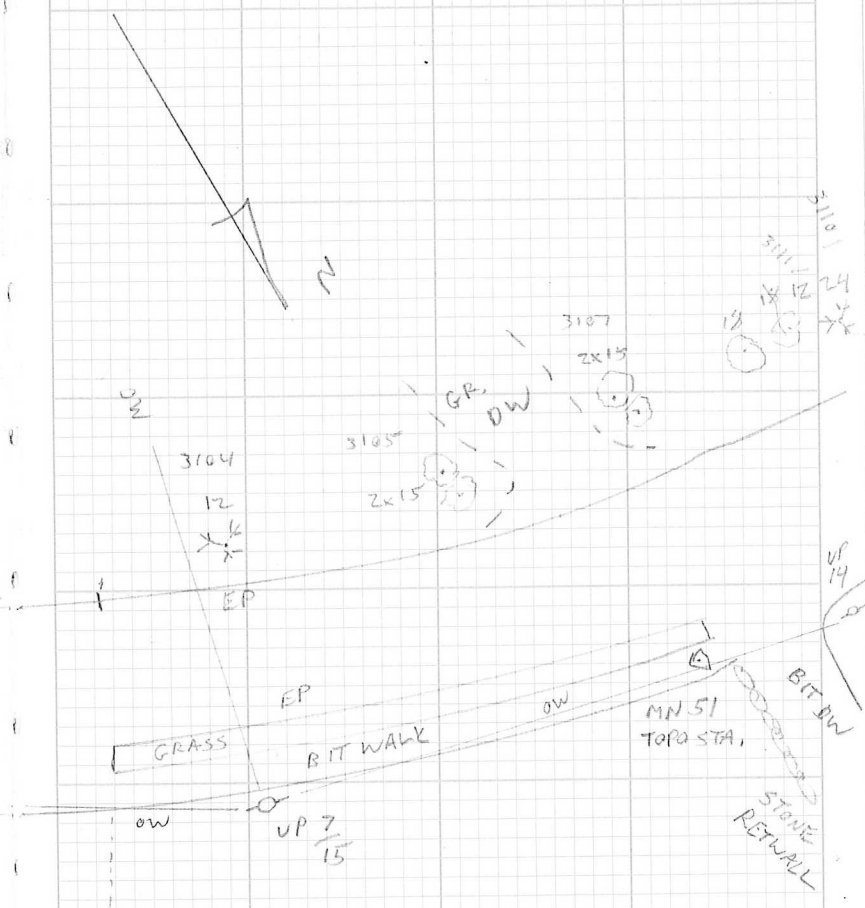
Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 60'S	11/25/14	RTP/KN

FILE: NORFOLK TOPO 11-25-14

A @ 51 HI
BS 9 @ 5.40
3042-3142
(3142 MFLY 10)



Inst.	Tape	Wthr & Temp	Date	Crew



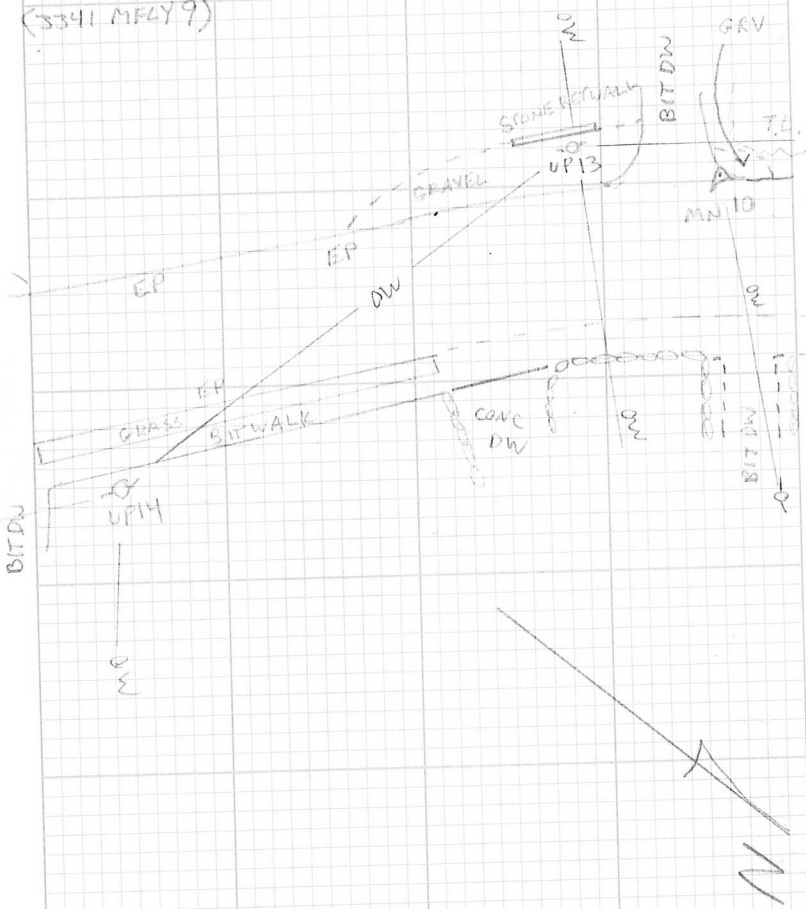
650/127

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 50's	12/1/14	RTF/KN

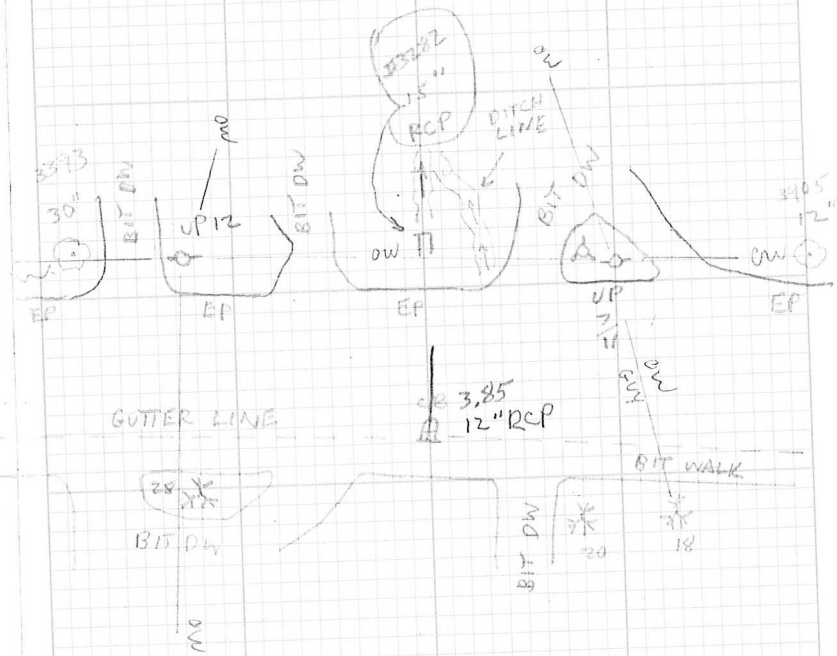
FILE: NORFOLK TOPO 12-01-14

T@10 H14.86
BS 11 @ 5.40
3143 - 3341
(3341 MFLY 9)



650/128

Inst.	Tape	Wthr & Temp	Date	Crew
803			12/1/14	RTF/KN



T@11 H14.88
BS 10 @ 5.40
3342 - 3418
3418 MFLY 12

AFG 12

3393 VST 18 CON
14 "
24 DEC
30
36

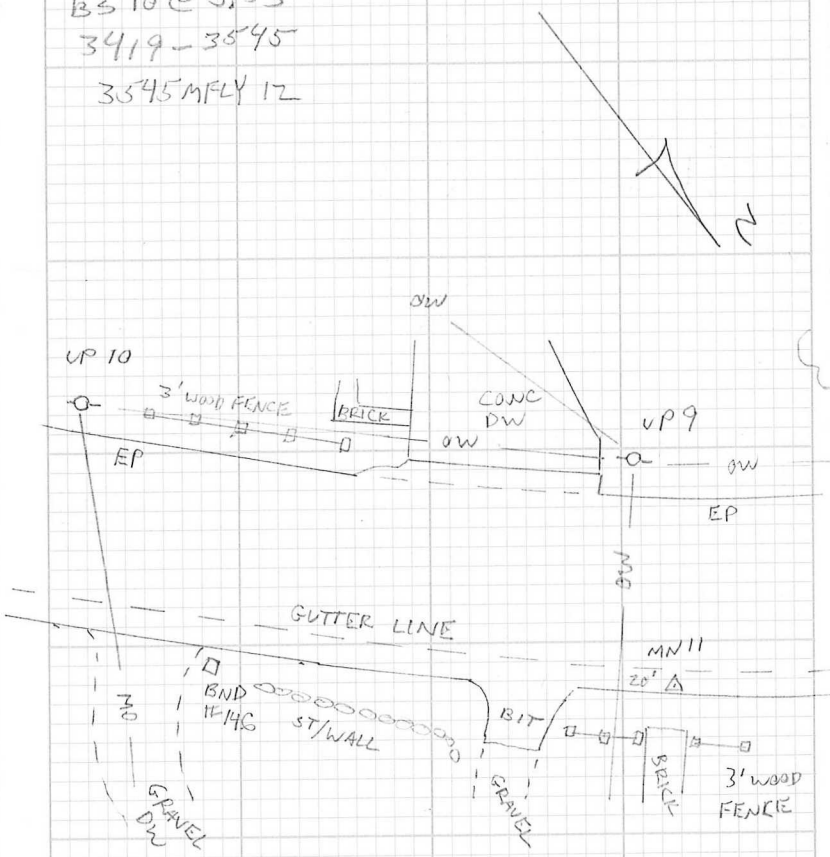
650/129

NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 30's	12/2/14	RTF/KN

FILE: NORFOLK TOPO 12-02-14

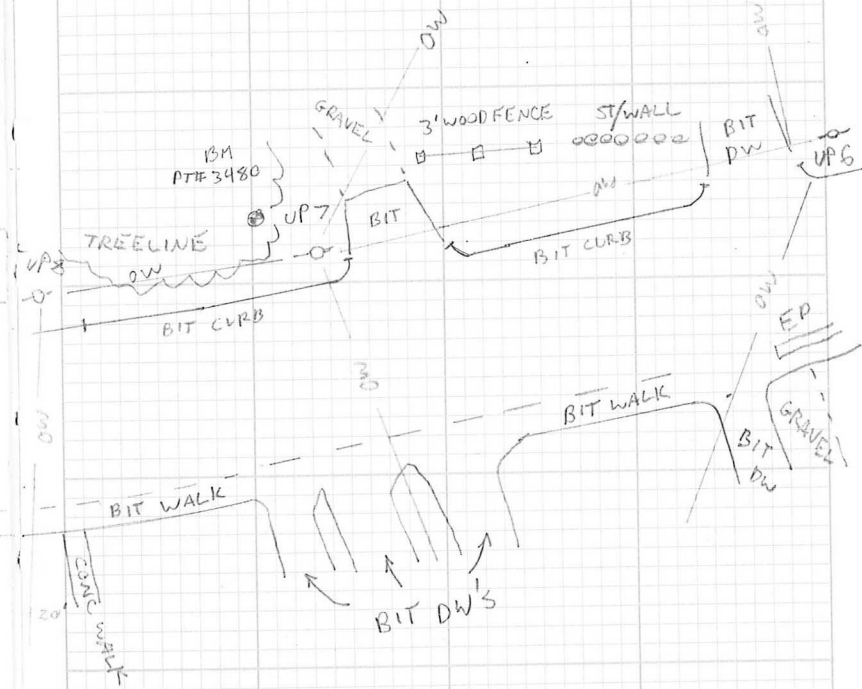
TP 11 HI 4.91
BS 10 @ 5.53
3419 - 3545
3545 MFLY 12



650/130

Inst.	Tape	Wthr & Temp	Date	Crew
			12/2/14	RTF/KN

TP 11 HI 4.88
BS 12 @ 5.40
3546 - 3664
3664 MFLY 12



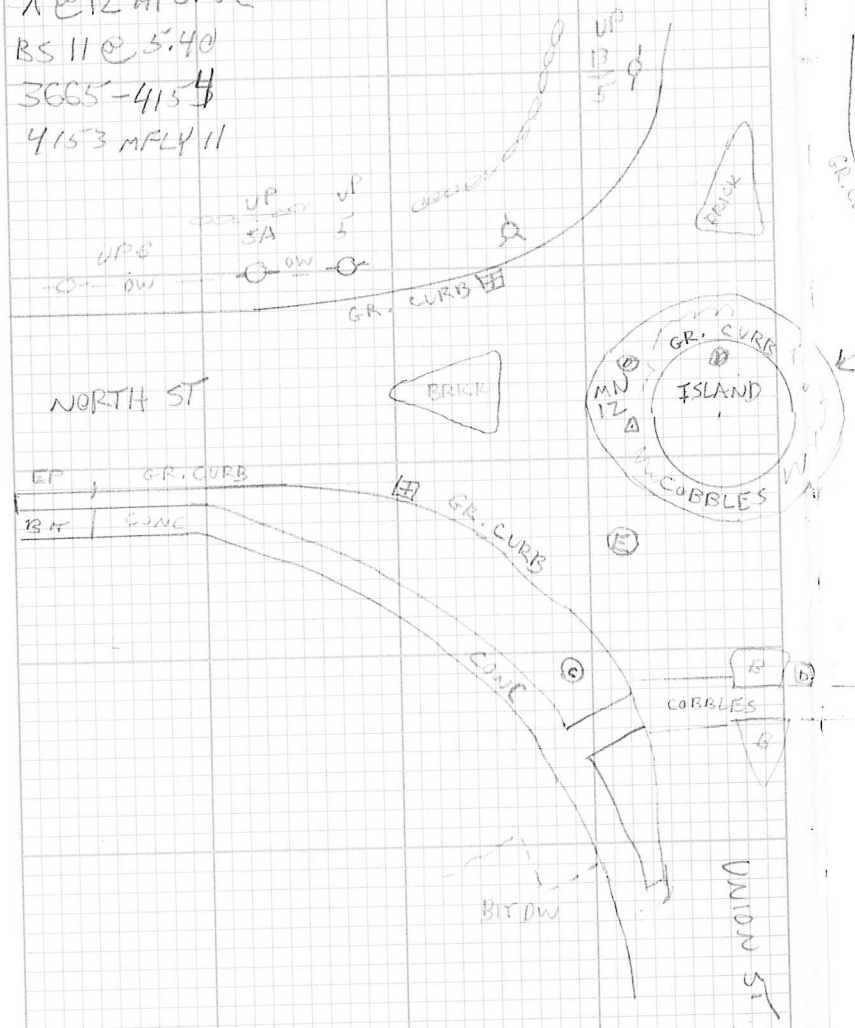
650/131

NORFOLK NORTH & UNION

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 30's	12/4/14	RTF/GC

FILE: NORFOLK TOPO 12-04-14

T @ 12 HI 5.82
BS 11 @ 5.40
3665-4154
4153 MFLY 11



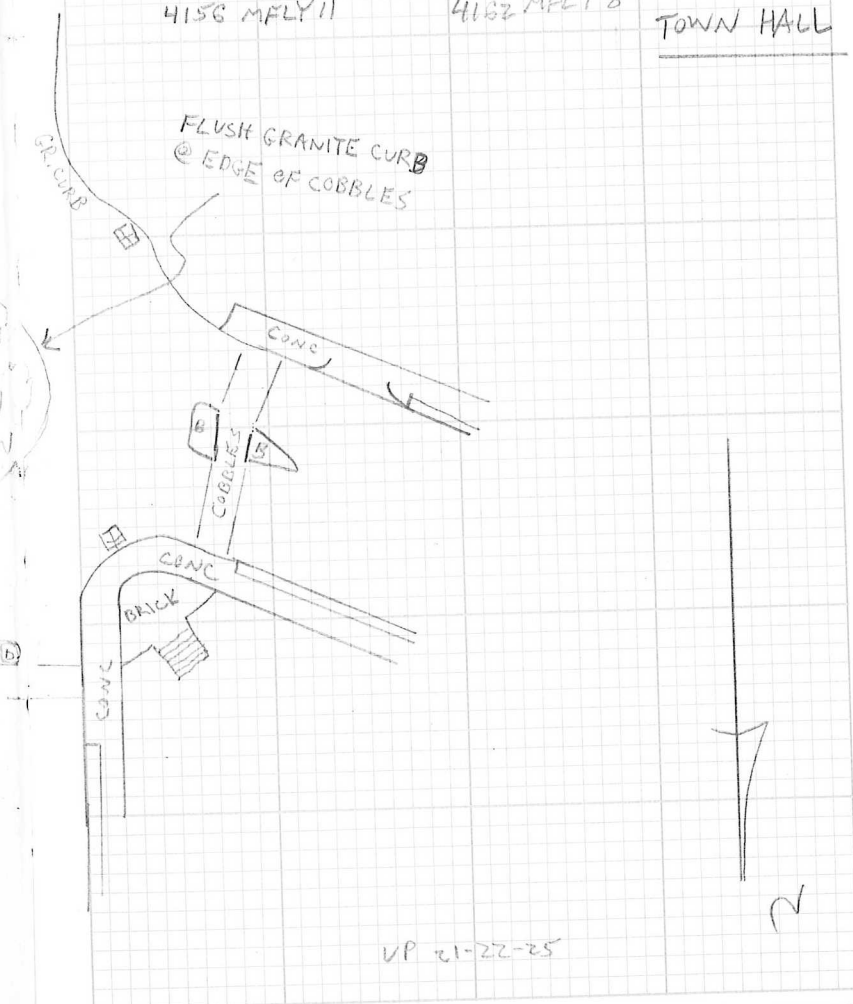
650/132

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY 20°	1/6/15	RTF/GC

T @ 12 HI 5.35
BS 11 @ 5.40
4155-CB
4156 MFLY 11

T @ 7 HI 5.40
BS 8 @ 5.40
4157-4162
4162 MFLY 8

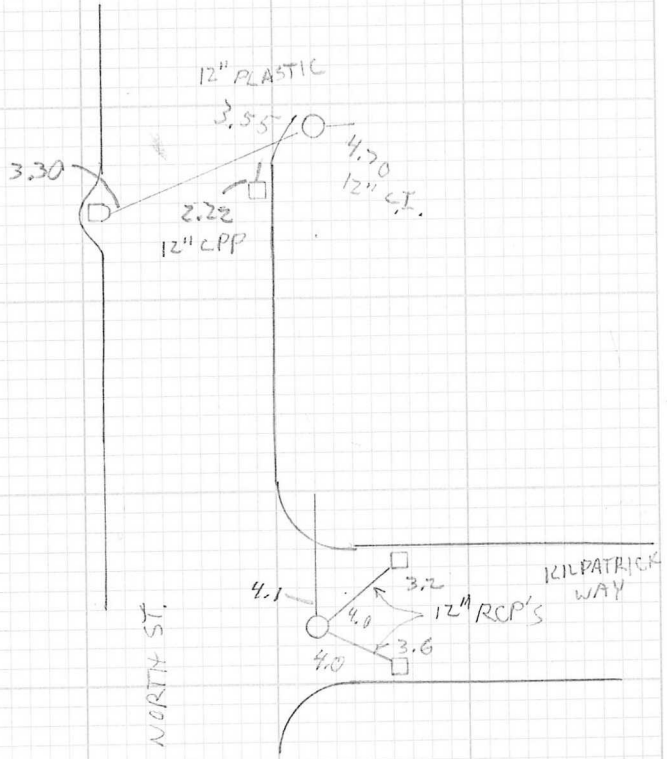
TOWN HALL



VP 21-22-25

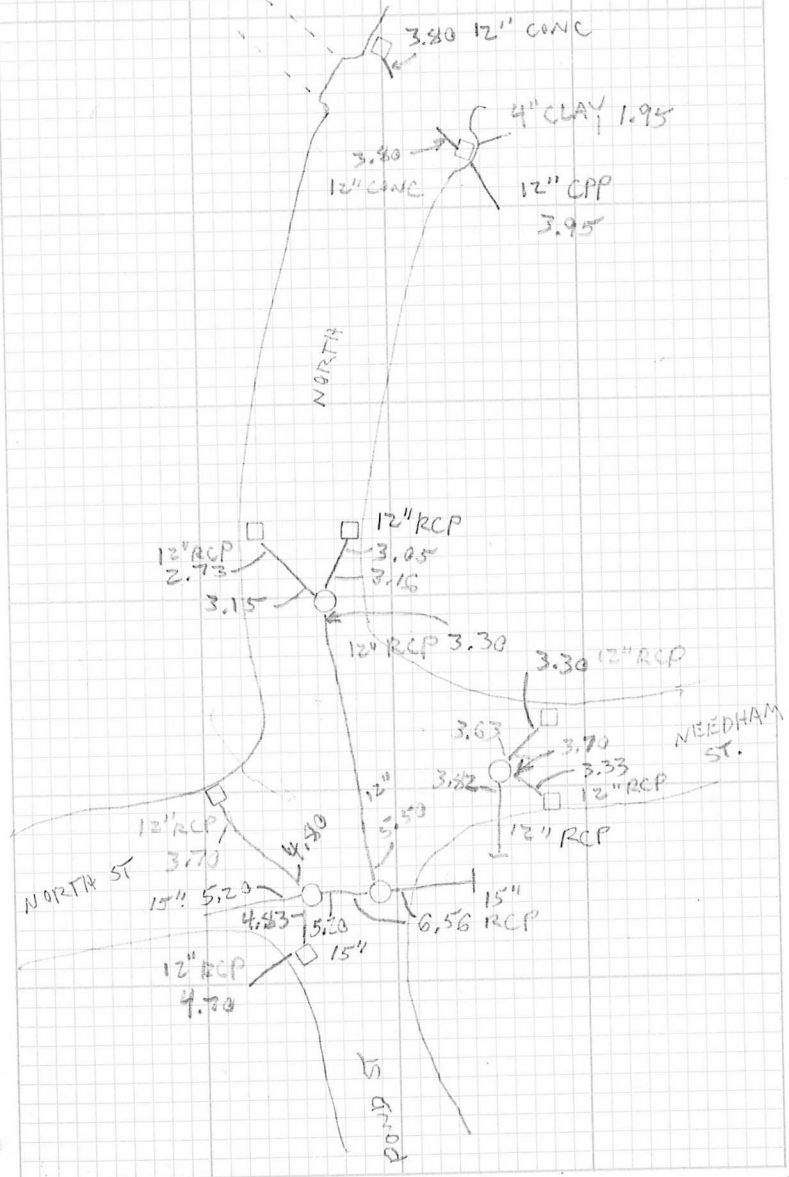
NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew
		CLOUDY 20'S	1/6/15	RTF/GC

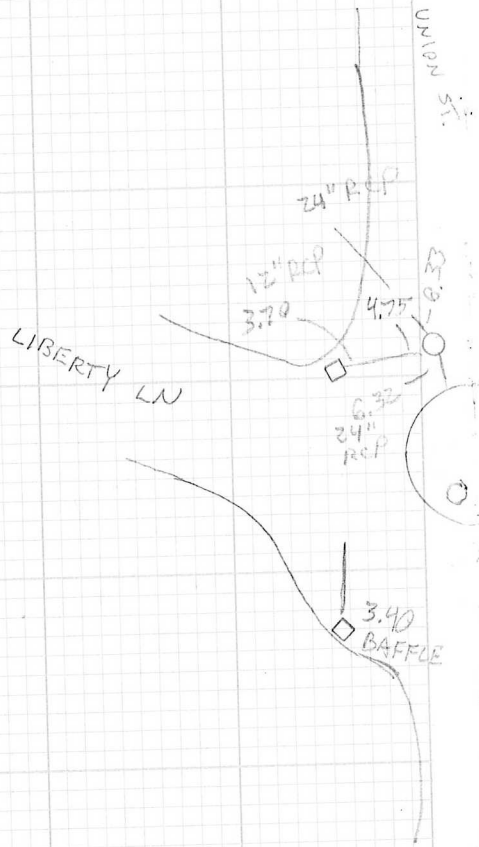


NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew



Inst.	Tape	Wthr & Temp	Date	Crew



NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew
		CLOUDY 20's	1/6/15	RTF/GC

NORFOLK NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew
803		P. CLOUDY 30's	1/21/15	RTF/GC

FILE: NORFOLK 1-21-15

TP12 HI 5.51 4163-4165 MFLY11
BS 11 @ 5.40 4163 BURIED DMH IN ISLAND
4164 WGT

TP10 HI 5.55 4166 UPL 12-1
BS 11 @ 5.40 4167 MFLY 9

TP2 HI 5.47 4168-4170 HSE CORS.
BS 4 @ 5.40 4171 MFLY 4
4172-4175 ST/WALL
4176 & 4177 INV 60" CMP
4178 MFLY 4

Inst.	Tape	Wthr & Temp	Date	Crew

650/139

NORFOLK NORTH ST/LIBERTY LN./

Inst.	Tape	Wthr & Temp	Date	Crew
DNA03		P. CLOUDY 50's	2/25/16	RTF/KN

DIST	BS +	#1	FS -	DIST	ELEV	PT #
			LINE:	0001	PEG TEST	
89'	5.39	105.39			100.00	A1
98'	5.49	105.34	5.55	101	99.84	1
			5.34	93	100.0005 ✓	2
			LINE:	0002		
121'	1.57	211.80			210.23'	A1 (NAVD 88)
133	5.82	211.72	5.90	150'	205.89	1
48	7.07	216.65	2.14	157	209.58	2
105	10.89	224.82	4.35	46	213.93	3
152	6.13	227.72	3.22	96	221.59	4
96	8.42	235.06	1.09	123	226.63	5
45	5.80	239.57	1.29	85	233.76	6
47	4.29	239.53	4.31	47	235.25	7
67	8.93	247.38	1.10	54	238.44	8
68	9.74	255.97	1.14	67	246.23	9
68	9.91	264.83	1.05	65	254.92	10
27	6.68	270.07	1.43	50	263.39	11
158	11.40	278.45	3.02	22	267.05	12
88	6.33	281.92	~~8.53~~ 2.86	176	275.58	13
57	2.16	281.06	3.01	85	278.90	14
51	7.96	281.05	7.96	51	273.09	15
59	1.65	280.55	2.15	57	278.90	16
112	2.81	276.67	6.68	89	273.86	17
38	2.63	273.16	6.14	111	270.53	18
			6.11	29	267.0543	19

X RUN CONTINUES ON P.147

650/140

MEETINGHOUSE RD

Inst.	Tape	Wthr & Temp	Date	Crew

DESC.

TURTLE
KEEL MARK
TURTLE

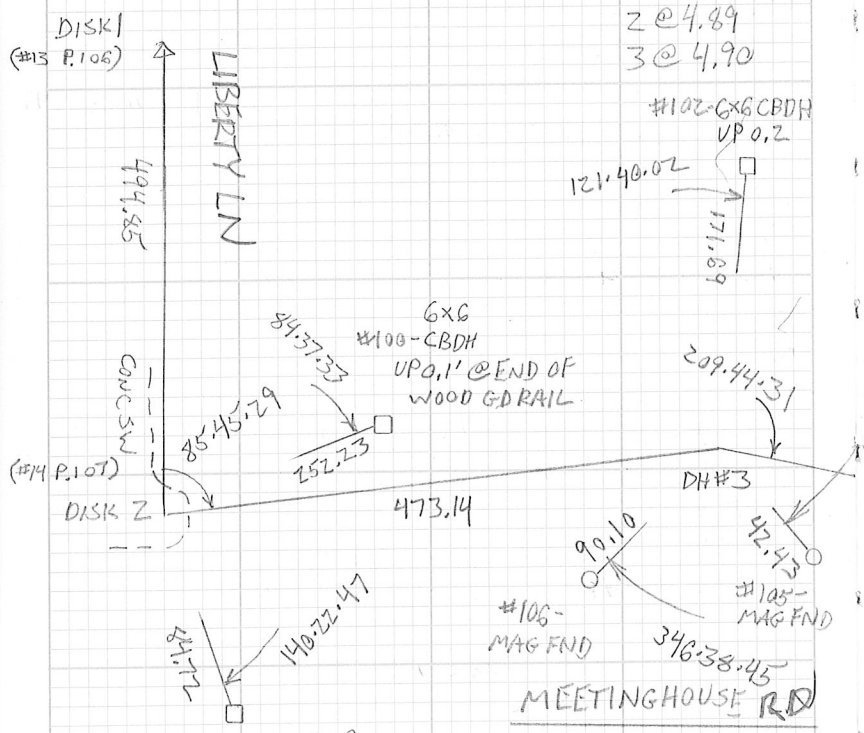
MONEL RIVET #3177 IN LEDGE @ #34 NORTH ST (NGVD29 210.947)
TURTLE
TURTLE
D.H. #12 P. 146
DISK #1 P. 141
TURTLE
TURTLE
DISK #2 P. 141
TURTLE
TURTLE
TURTLE
TURTLE
DH #3 P. 141
DH #4 P. 143
TBM "A" CHISELED SQR NE COR. CONC PAD/GAZEBO
SN #5 P. 144
TBM "A"
TURTLE
TURTLE
DH #3 P. 141

NORFOLK LIBERTY LN

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30'S	2/19/16	RTF/KN

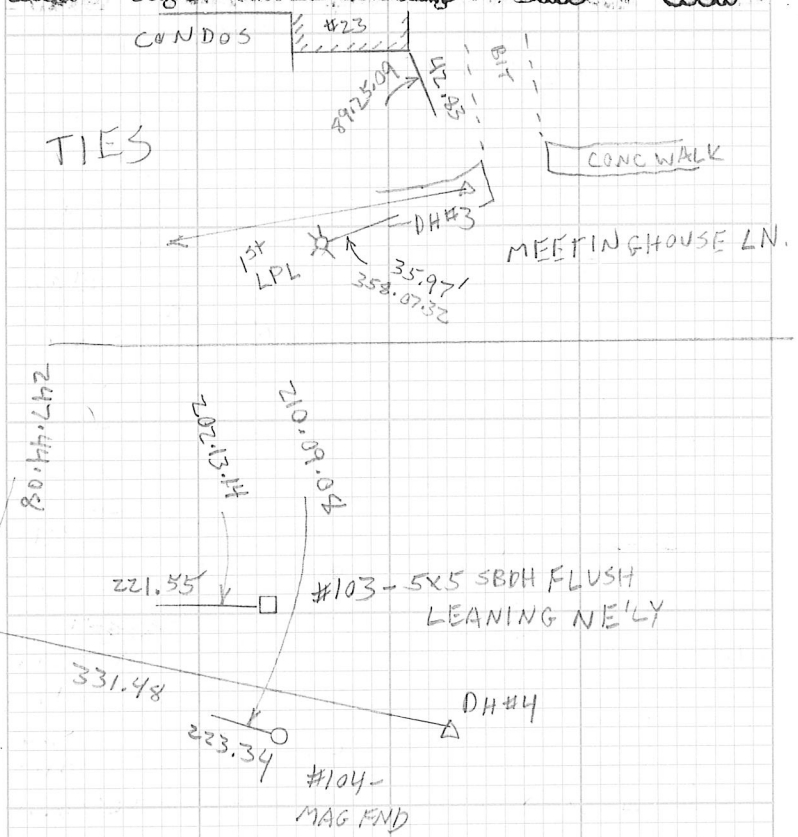
FILE: NORFOLK 2-19-16

1@5.04
2@4.89
3@4.90



MEETINGHOUSE RD

Inst.	Tape	Wthr & Temp	Date	Crew



STORE PTS FOR STK OUT 9200-9214

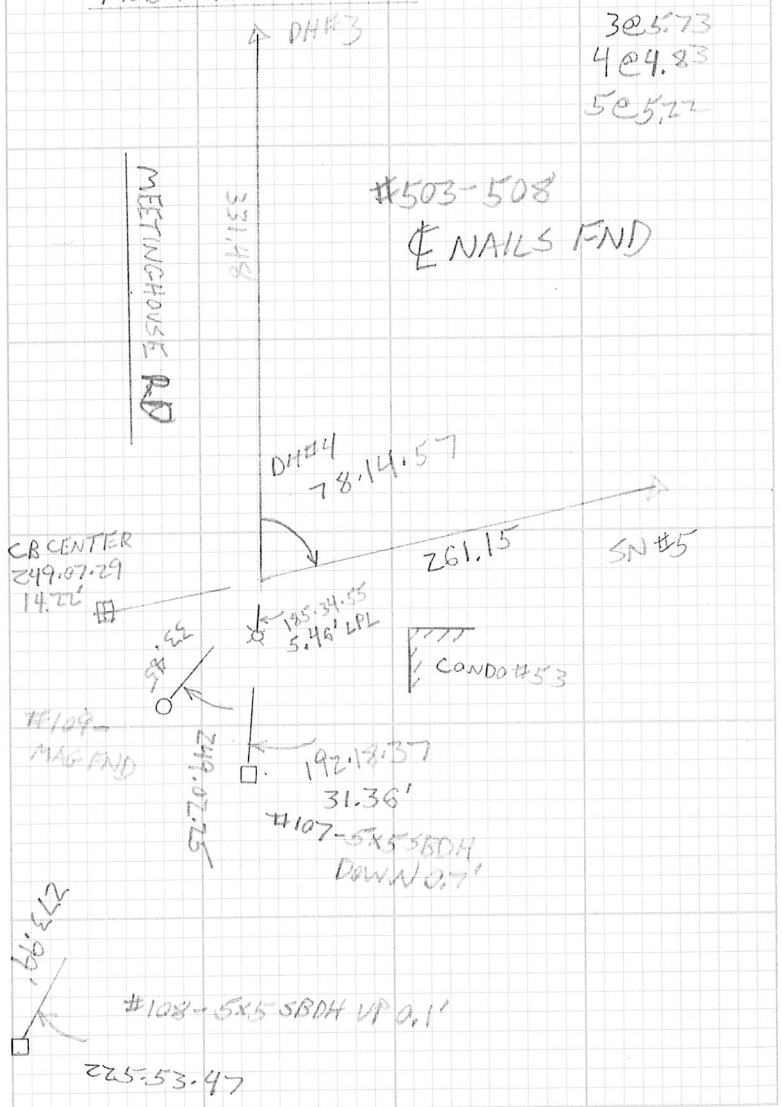
#500-502 ℄ NAILS FND

650/143

NORFOLK MEETINGHOUSE RD

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 30'S	2/19/16	RTF/KN

FILE: NORFOLK 2-19-16

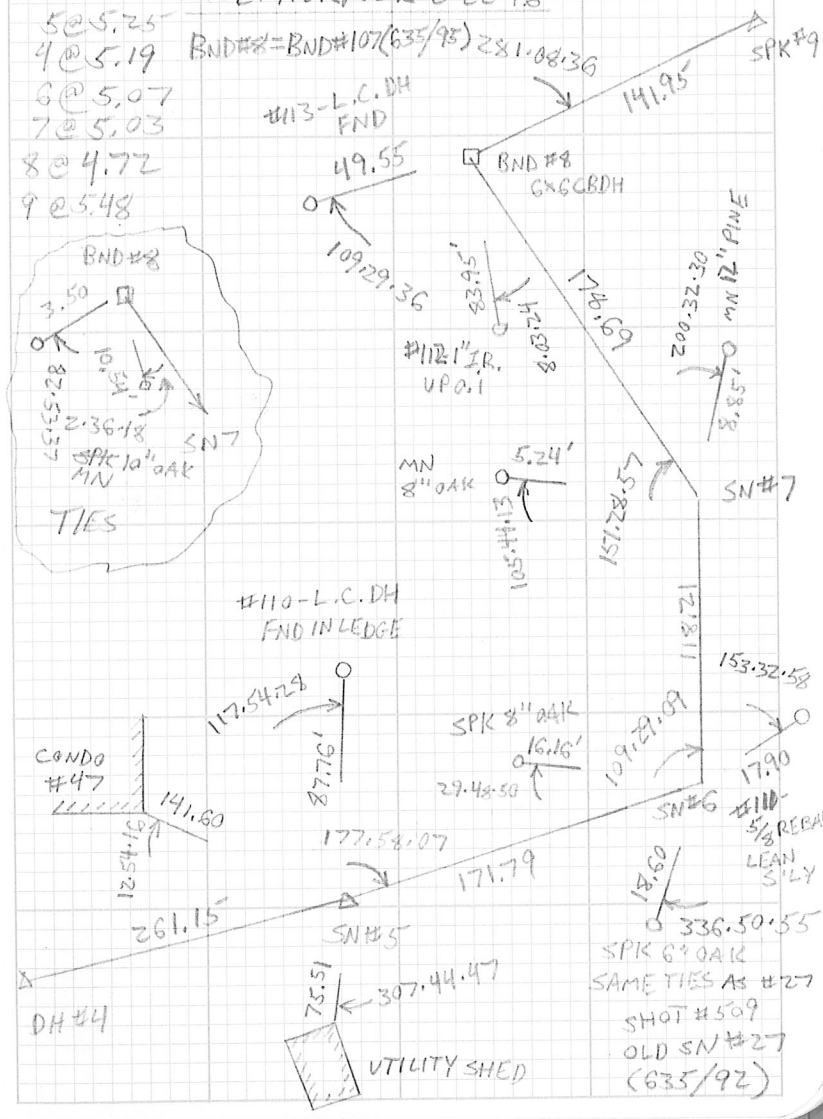


650/144

NORFOLK WATER TOWER

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40'S	2/22/16	RTF/GC

FILE: NORFOLK 2-22-16

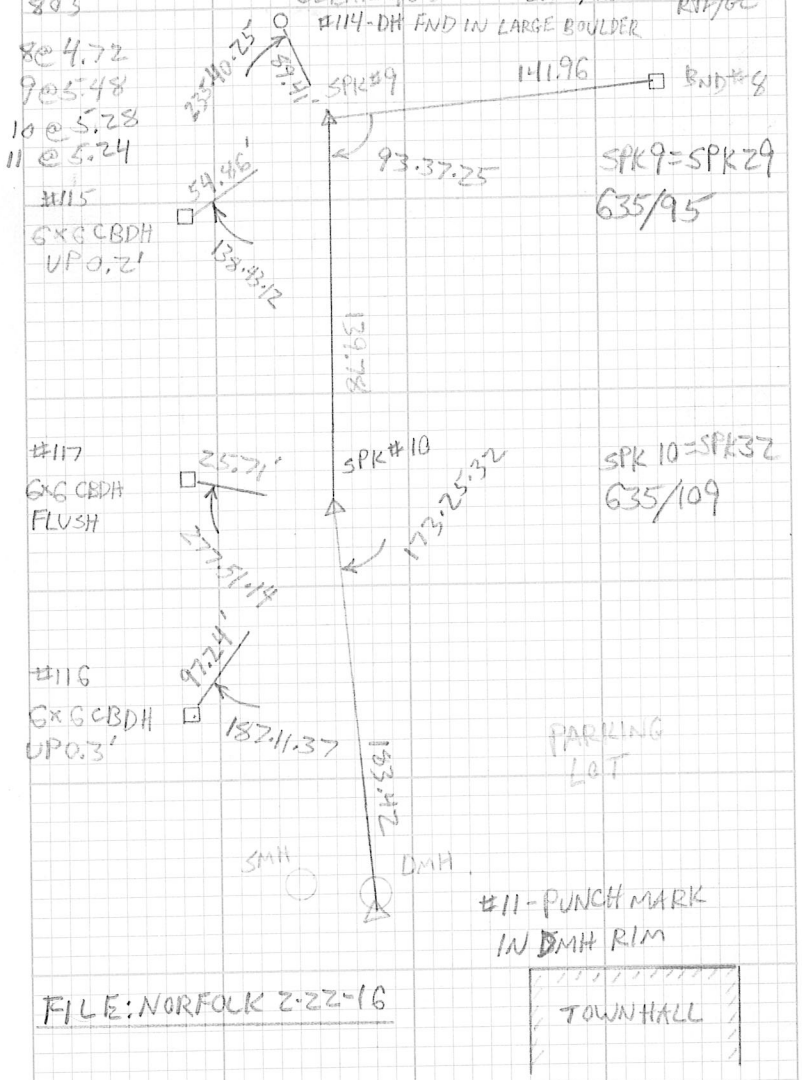


NORFOLK WATER TOWER

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 40'S	2/22/16	RTF/GC

#114-DH FND IN LARGE BOULDER

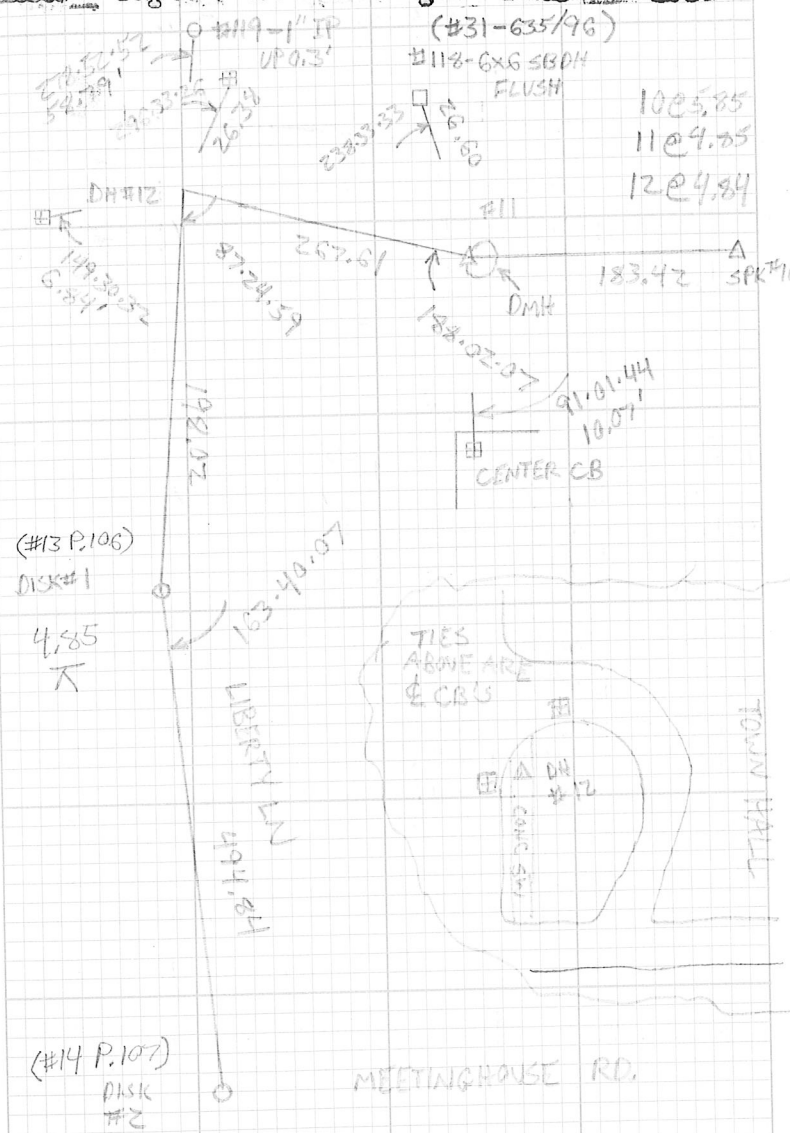
8@4.72
9@5.48
10@5.28
11@5.24



FILE: NORFOLK 2-22-16

NORFOLK WATER TOWER

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLOUDY/RAIN 40'S	2/24/16	RTF/KN



650/147

NORFOLK MEETINGHOUSE RD /

Inst.	Tape	Wthr & Temp	Date	Crew
DNA 03		CLEAR 30's	2/26/16	RTF/KN

CONTINUED FROM P.139

DIST	BS+	HI	FS-	DIST	ELEV	PT#	
51	1.06	268.12			267.0543	19	
65	1.14	258.07	11.19	79	256.92	20	
62	1.08	249.92	9.22	61	248.84	21	
73	1.38	240.99	10.31	76	239.60	22	
81	1.89	237.14	5.75	69	235.24	23	
112	1.65	229.71	9.08	108	228.05	24	
66	5.30	226.82	8.19	123	221.52	25	
99	4.82	226.40	5.24	57	221.58	26	
61	8.98	233.80	1.57	48	224.82	27	
73	8.36	240.96	1.20	64	232.59	28	
~~86~~	~~2.47~~	~~238.48~~	~~2.47~~	~~86~~	~~238.48~~	~~29~~	
162	8.64	247.13	2.47	86	238.48	29	
91	6.90	246.33	7.70	130	239.44	30	
99	3.11	244.53	4.91	66	241.43	31	
54	1.53	238.25	7.81	113	236.72	32	
70	2.02	229.00	11.27	73	226.97	33	
31	2.12	221.36	9.76	86	219.24	34	
66	1.74	215.66	7.44	34	213.92	35	
121	3.90	211.46	8.10	96	207.56	36	
126	6.03	212.29	5.20	150	206.26	37	
			2.07	107	210.292	38	0.0108 ✓

650/148

LIBERTY LN / NORTH ST.

Inst.	Tape	Wthr & Temp	Date	Crew

FILE ON CARD: NORF. GST

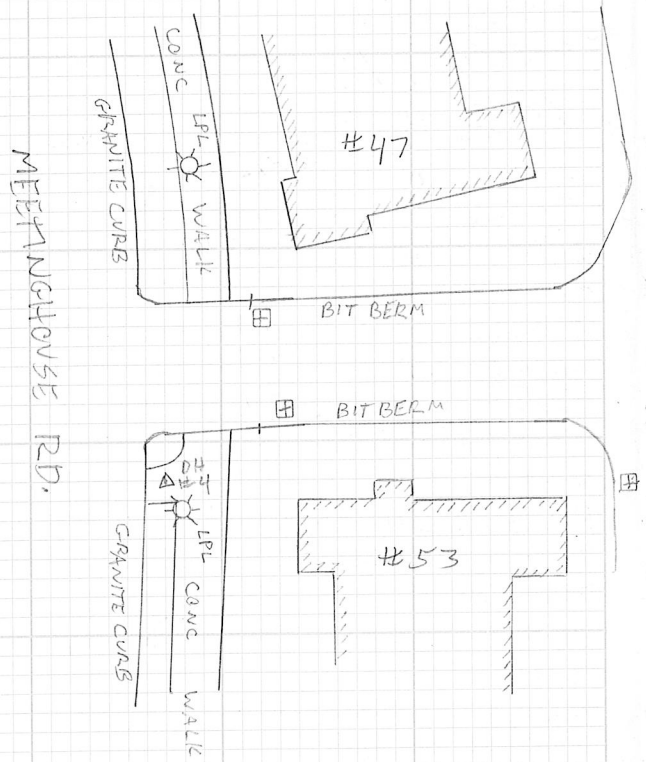
DESC

DH#3 P.141
TURTLE
TURTLE
TURTLE
DISK#2 P.141
TURTLE
TURTLE
DISK#1 P.141
TURTLE
TURTLE
~~TURTLE~~
~~TURTLE~~
SPK#9 P.145
SPK#10 P.145
PUNCH MK#11 P.146
TURTLE
TURTLE
DH#12 P.146
TURTLE
TURTLE

NORFOLK

Inst.	Tape	Wthr & Temp	Date	Crew
803		P.CLOUDY 50'S	2/29/16	RTF/KN

FILE: NORFOLK 2-29-16

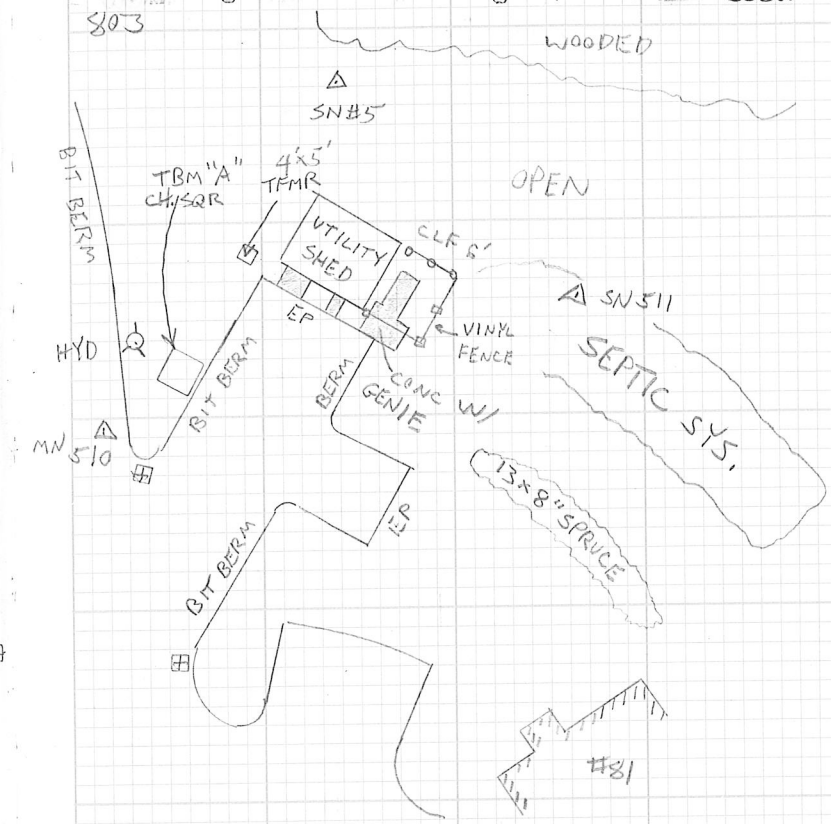


T@4 HI 4.81 1000-1179
BS 5 @ 5.40
510 MAG/TOPO PT SET
1009 EDIT CODE
1179 MFLY #5

T@510 HI 4.83
BS 4 @ 5.40
1180-1255
1255 MFLY #5

WATTER TOWER

Inst.	Tape	Wthr & Temp	Date	Crew
803				



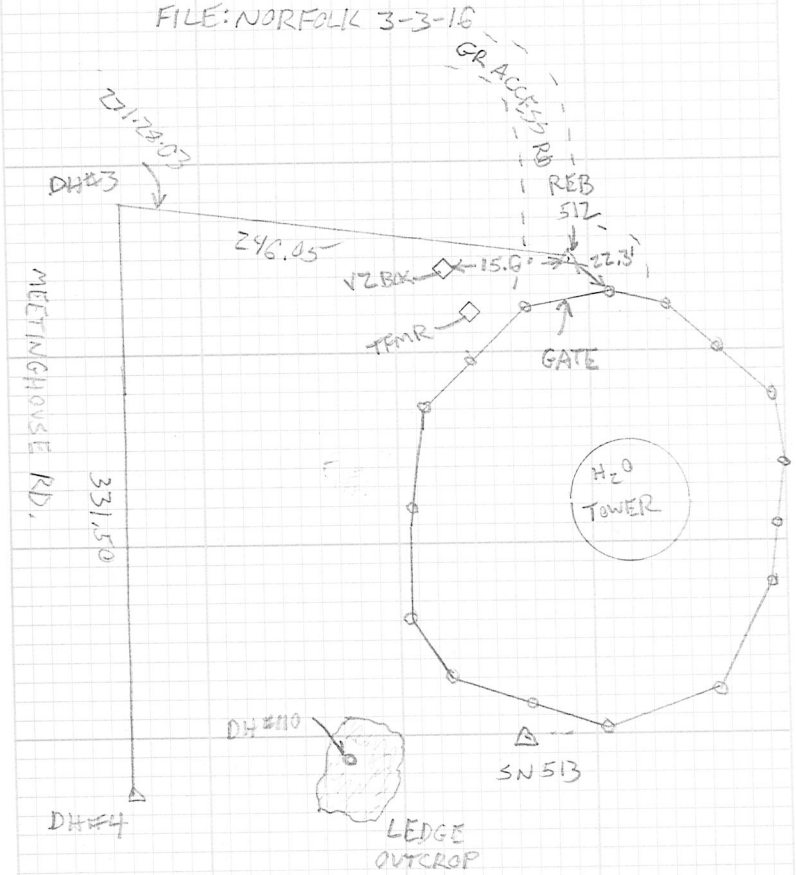
T@510 HI 4.82
BS 4 @ 5.40
1256-1404
1404 MFLY #5
511 SN/TOPO PT SET

T@511 HI 4.79
BS 4 @ 5.40
1408-1529
1529 MFLY #5

NORFOLK WATER TOWER

Inst.	Tape	Wthr & Temp	Date	Crew
803		CLEAR 20'S	3/3/16	RTF/KN

FILE: NORFOLK 3-3-16



T@3 H14.77
BS 4 @ 5.40
FS 512 @ 4.89

T@512 H14.85
BS 3 @ 4.77
FS 513 @ 5.40

T@513 H14.59
BS 512 @ 5.40

1530 – 1547
1548 MFLY #3

1549 – 1574
1575 MFLY DH#110

NORFOLK NORTH ST

Inst.	Tape	Wthr & Temp	Date	Crew
TS 16		P. CLOUDY 40'S	2/1/17	RTF/GC

FILE: 1046-2-1-17
P. 102

T@ 10 415.47

BS 11 @ 5.35
P. 103

STK DH #148 P. 102
DH FND

STK BND #150 P. 102
BND FND

TS 8 CLOUDY 40'S 2/8/17 RTF/GC

T@2@5.53

BS 4 @ 5.10

STK PT 8015 BP SET
8012 BP SET
~~8017 SPK & BP SET~~
8017 SPK & BP SET
8014 BND FND IN BROOK

3 BP'S SET ALONG ARC FROM 8001 → 8002