Survey of _____ F.B. 2284 Pg.

JN _____ Tape _____ Std _____ °F

Surveyed by _____

Notes _____ Date _____

Indexed _____

Job	Description
	LOS ANGELES STATE & COUNTY ARBORETUM 0021.29
Loc.Imp	Loc. & grades for green house & 4" gas line, telephone conduit & call boxes.
Topog.	Loc. sprinkler system in NW area & underground piping.
B.M.	Elev. of new mons. at Flood Control Channel.
Loc.Imp	Loc. & grades of service bldg.
Loc.Imp	Loc. & grades of 6" & 8" drains in west area.
Loc.Imp	Loc. & grades for new wing additions to Administration Bldg.
Loc.Imp	Loc. & grades for 6" sewer line chag
Loc.Imp	Reloc. of 1½" gas line at Admin. Bldg. addition.
Loc.Imp	Loc. & grades for south area comfort station.
Loc.Imp	Loc. 1 ¼" electrical conduit at S'ly comfort station.
Loc.Imp	Loc. inlet pipes at Main Channel of Flood Control.
Const. Stakes	Profile & grades of West Road.
Grades	For Access Rd. between East Roadway & Parking Lot.

Microfilmed March 86

(cont'd on next page)

F.B. 2284 Po

Page	Job	Description
97-106	Grades	Profile & grades of proposed East Road.
107-118	Loc.Imp	Loc. & profile of the following S.D. 21", 18", 15" & 12".
119-	Loc.Imp	New location of fence.
121-122	Cont.	Control lines for future construction.
123-124	Loc.Imp	Loc. of water lines at Fountain in front of Queen Anne Cottage.
125-126	Loc.	Loc. & height of Wolfskill Eucalyptus in front of Queen Anne Cottage.
127-140	Staking	Const. staking for grading.
141-144	Horiz.	& Vert. control for Research Lab.
145-146	Index	Retracement of Interior centerlines
147-168	C.L.	Interior centerlines
179-180	Index	on transit line fr. waterfall north to Oak on upper Lagoon.
181-184	Profile	

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Office Work		Surveyed by	
Checked		Notes Date	
Date		Indexed	

INDEX (F.B. 2284)

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LOCATION	Pg. 7 & 8
ELV'S.	9
GAS & water & sewer	10
LOCATION of Telephone Conduit.	Pgs 12 & 13
LOCATION Sprk. System Ely of New F.C. Channel	Pgs 16-17-18
ADMINSTRATION Bldg.	
UTILITIES N. Side Bldg.	Pgs 20 To 23
Elv.s on New Mon's Ely of F.C. Channel	Pgs 26 & 27
SERVICE Bldg. ADDITION	
LOCATION	30
STAKING	31-33
ELV'S	34 To 37
Location 6 & 8" C.M.P. Drains W. Area	Pg. 40
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" " " Water "	Pg. 68
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" " So. AREA Comfort STA.	Pg. 70 & 71
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Location 4" Sewer " " "	Pg. 72
" 1½ Elect. " " "	Pg. 80
PROFILE OF WEST Road J.N. E740.37	Pg 83-94
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LOCATION ENT. fence	Pg 119

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76FS095 SBE 1247

Profile No. | Notes Red. | Plotted | Job No. | Division No. | F. B. 2284 Pg. 5

X-Sec. No. | Notes Chkd. | Checked | Survey of | Survey by | Notes | Date | Map No. | Indexed | Johnson | Date 6-25-57

J.N. 8742.01

New Arboretum Easterly Green House:-

Elevation & Grades on Head House & Green House

5-14-57

STATION	B. S.	H. I.	F. S.	ELEV.

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76298 S & E #307—7-55

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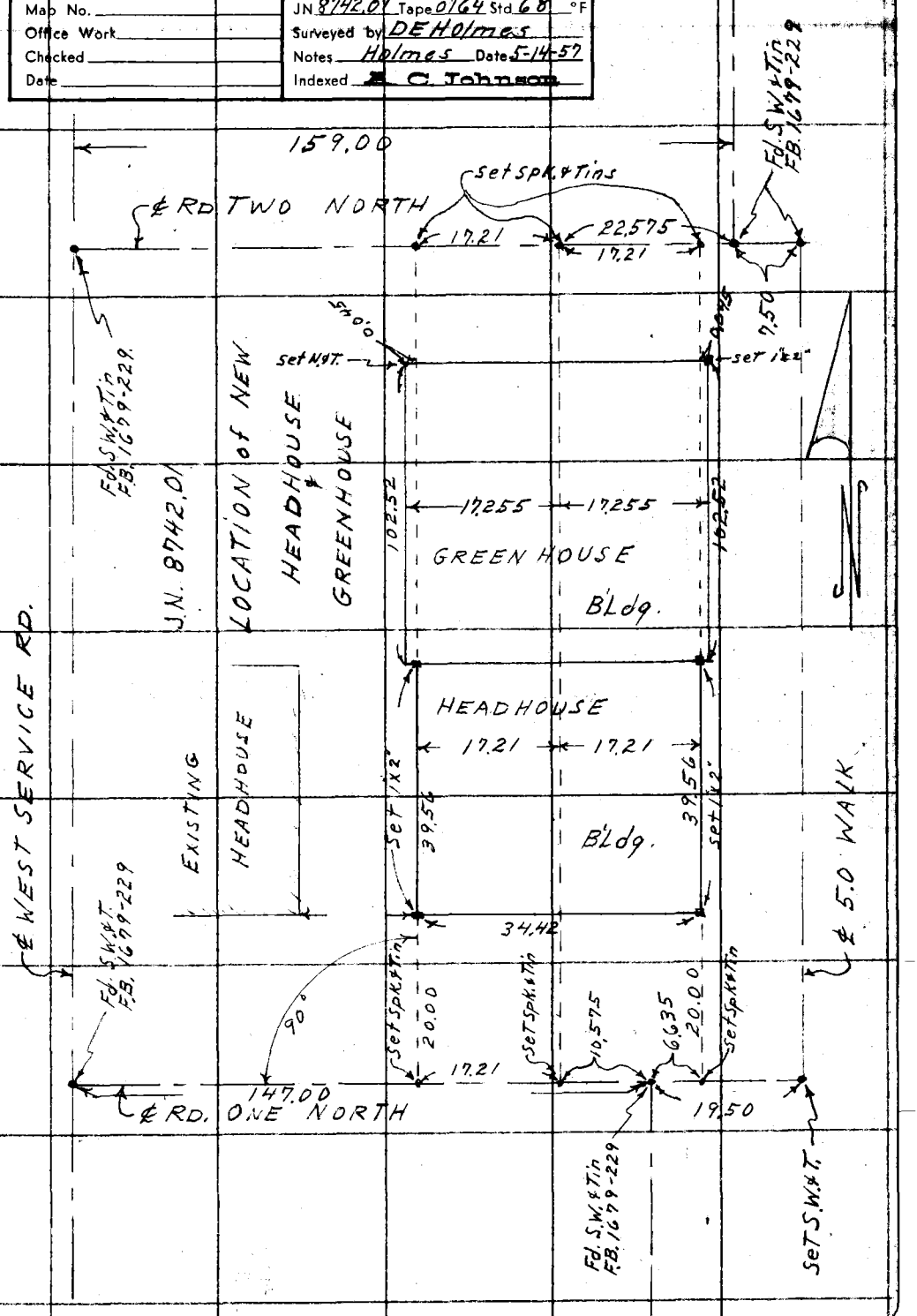
F.B. 22284 Pg. 6 | Job No. | Division No. | Notes Red. | Plotted | No. | Profile
Survey of | Date | Date | Date | X-Sec.
Survey by K. C. Johnson | Notes | Notes Chkd. | Checked
Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	Grade	Cut	Fill	
	7.87	579.13		571.26				
			525	573.88	574.88		1.00	S.E. Cor Head Ho 1x2
			550	573.63	574.88		1.25	5' East. "
			566	573.47	574.88		1.41	5' So "
			651	572.62	574.88		2.26	S.W. Cor Head Ho "
			684	572.37	574.88		2.59	5' So spk & T.
			656	572.57	574.88		2.31	5' W "
			410	575.03	574.88	0.15		N.W. Cor Head Ho 1x2
			406	575.07	574.88	0.19		7' N spk & T.
			420	574.93	574.88	0.05		N.E. Cor Head Ho 1x2
			564	573.49	574.88		1.39	5' East "
			308	576.05	575.25	0.80		N.E. Cor Green Ho "
			318	575.95	575.25	0.70		5' East "
			333	575.80	575.25	0.55		5' No "
			401	575.12	575.25		0.13	N.W. Cor Green spk & T
			419	574.94	575.25		0.31	5' N. " "
			401	575.12	575.25		0.13	5' W " "

Notes Ck'd by	Survey of ARBORETUM
Map No.	JN 8742.01 Tape 0164 Std 68 °F
Office Work	Surveyed by DEHolmes
Checked	Notes Holmes Date 5-14-57
Date	Indexed C. Johnson

F. B. 2284 PG. 7



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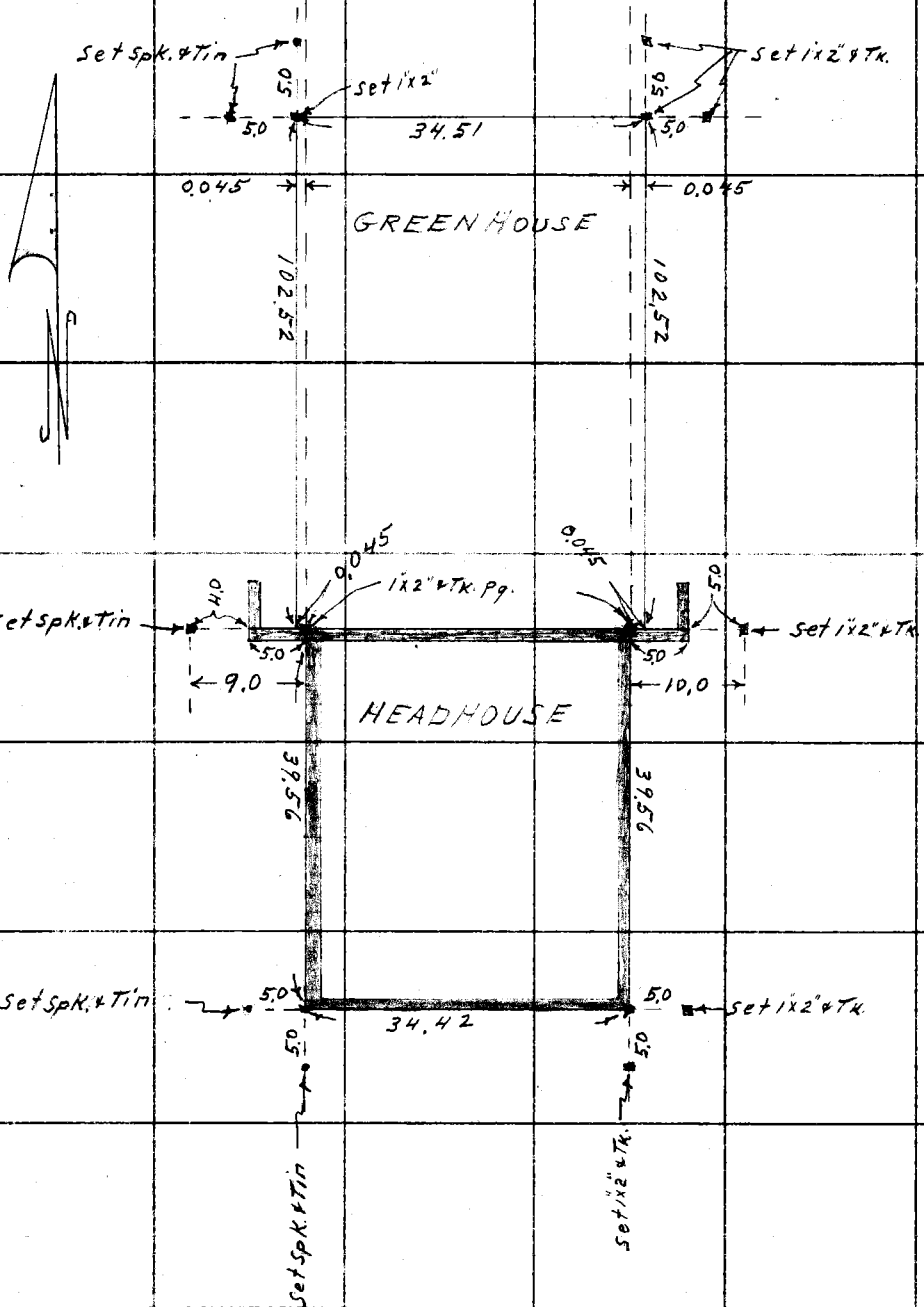
76F309S SBE #247 1-56

F. B. 2284 Pg. 8

J.N. 8742.01

DETAIL STAKING PLAN OF HEADHOUSE & GREENHOUSE

See pg. 1 for Elv.s



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Office Work	Surveyed by D.E. Halpin's
Checked	Notes A.R.B. Date 6-4-57
Date	Indexed E. C. Johnson

F. B 2284 Pg. 9

J.N - 8142.01

Arboretum New Propating
Head House & Greenhouse
Location of:-

4" Gas Line.
Water Line
Sewer Line

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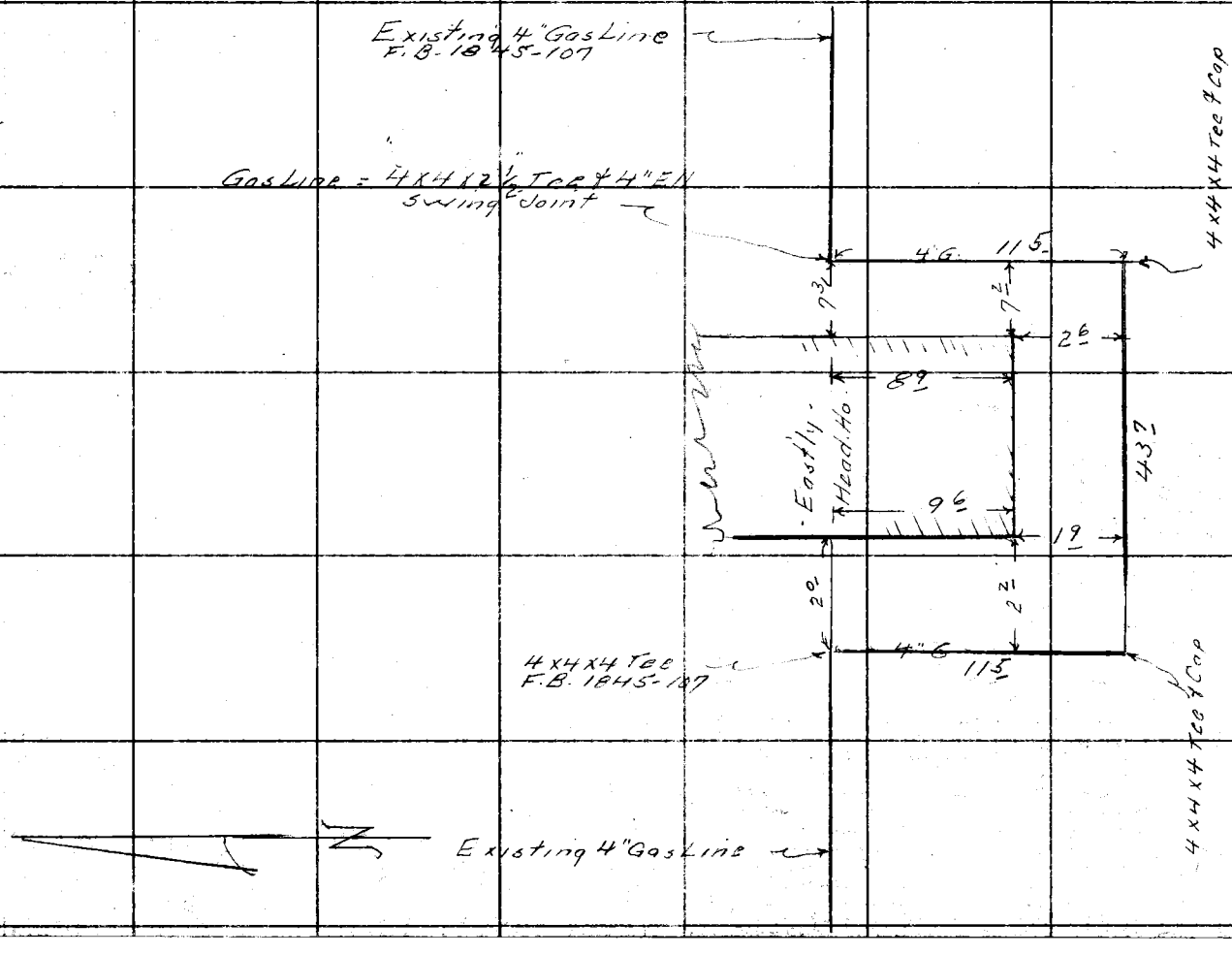
2-6
6-9
11-5



F.B. 2284 PG. 10

Notes Ck'd by	Survey of Arboretum
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Office Work	Surveyed by D.E Holmes
Checked	Notes A.R.B. Date 5-24-57
Date	Indexed C. Johnson

F. B. 2284 Pg. 11

J.N. 8740.04
"Arboretum"

Location of Underground Telephone Conduit Pipe & Conc. Boxes

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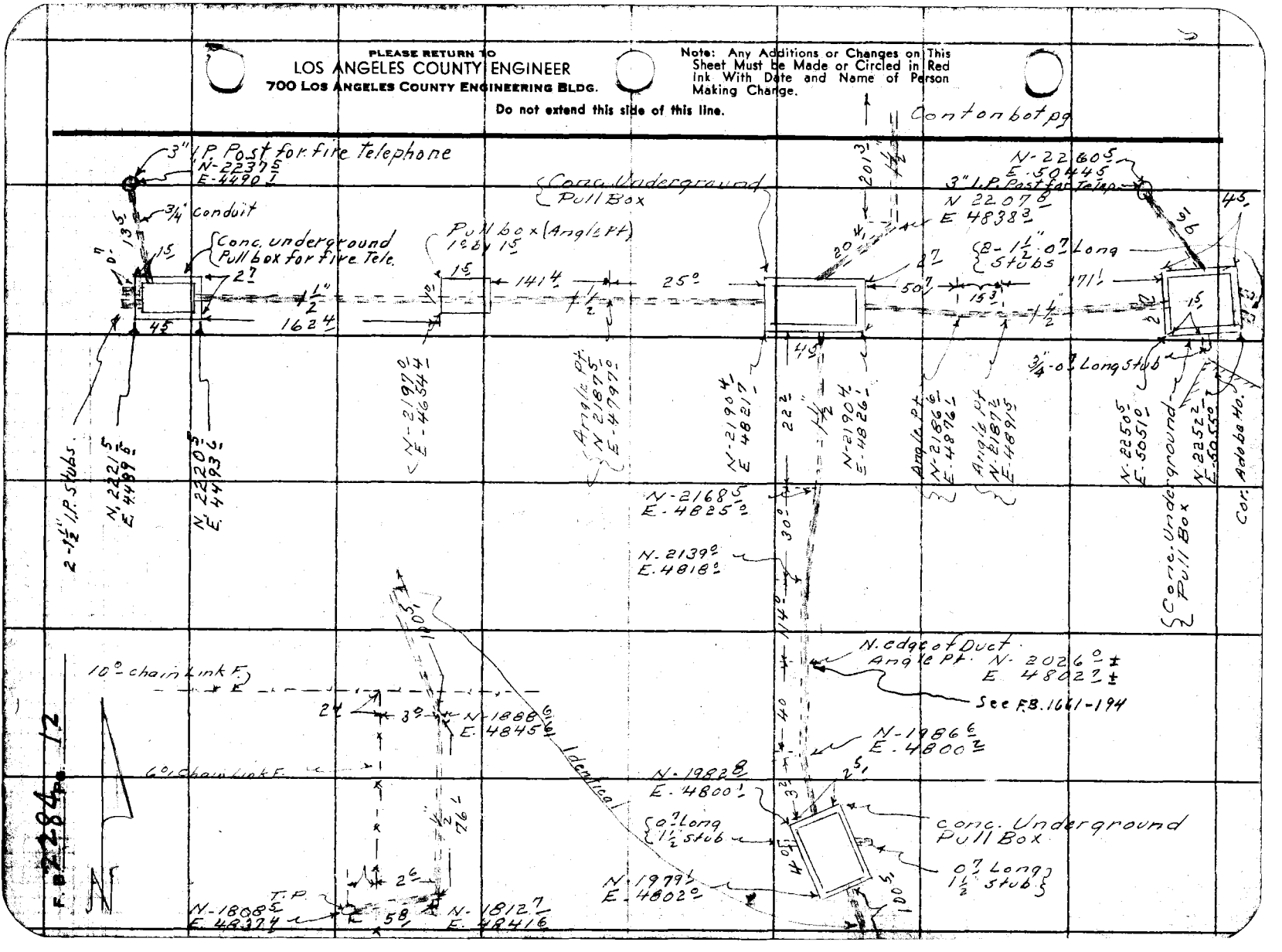

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F. B. 2284 Pg. 13

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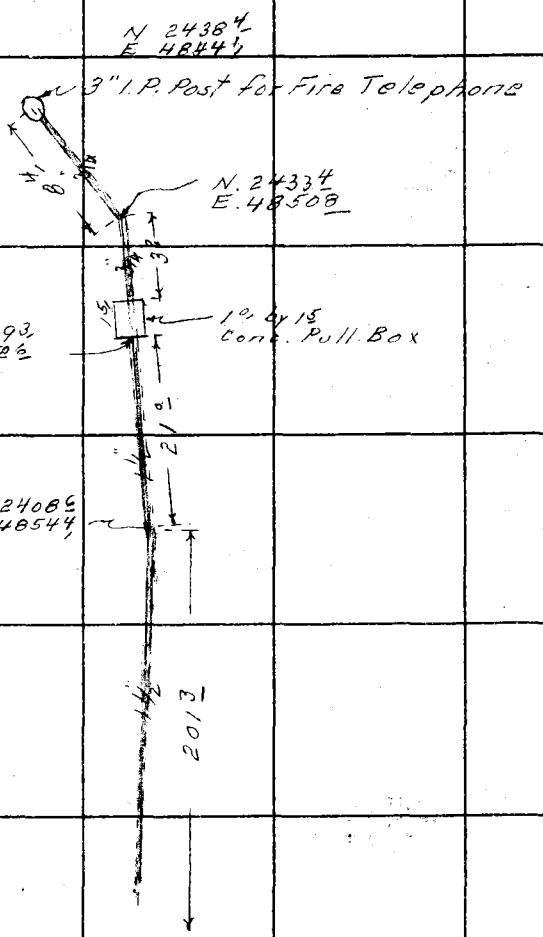

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Checked	Notes A.R.B. Date 6-3-57
Date	Indexed E. C. Johnson 6-25-57

F. B. 2284 PG. 15

J.N. 8740.04
ARBORETUM
LOCATION of Sprk. System E'ly
of
New F.C. Channel (N.W. Area)

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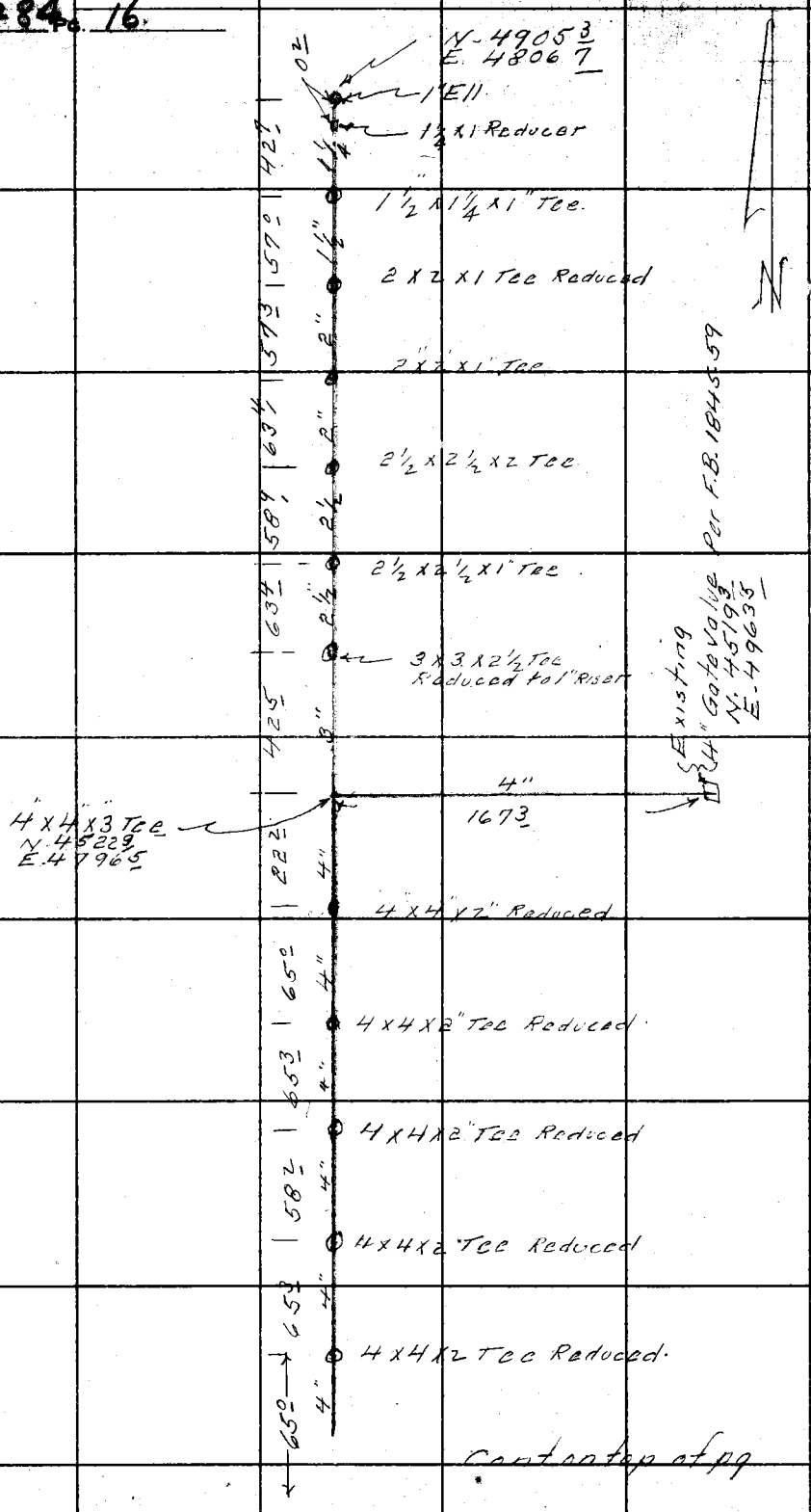
F. B. 2284 Pg. 16



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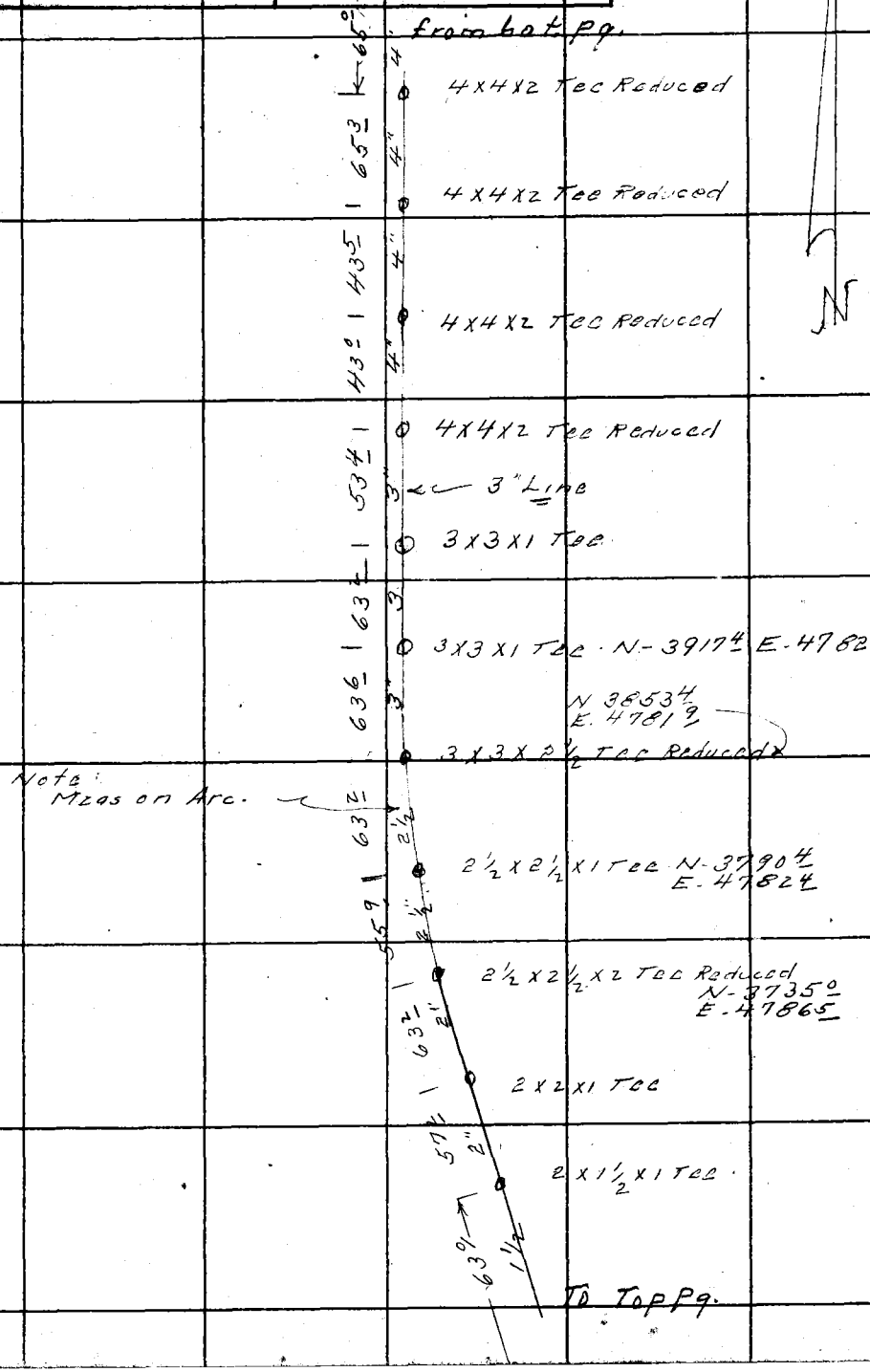
Date	Indexed K. C. Johnson

F. B. 2284 Pg. 17



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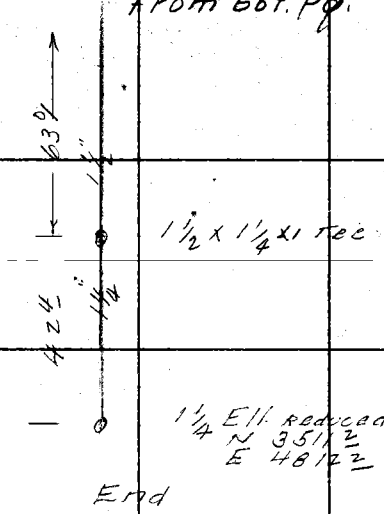
F.B. 2284 Pg. 18

from bot. pg.



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Checked	Notes J.P.M Date 6-30-57
Date	Indexed R. C. Johnson

F. B. 2284 Pg. 19

UNDERGROUND

PIPE LINES

NORTH OF NEW

ADMINISTRATION BLDG.

J. P. Menne
V. B. Anderson
G. O. Bullado
I. B. Tracy

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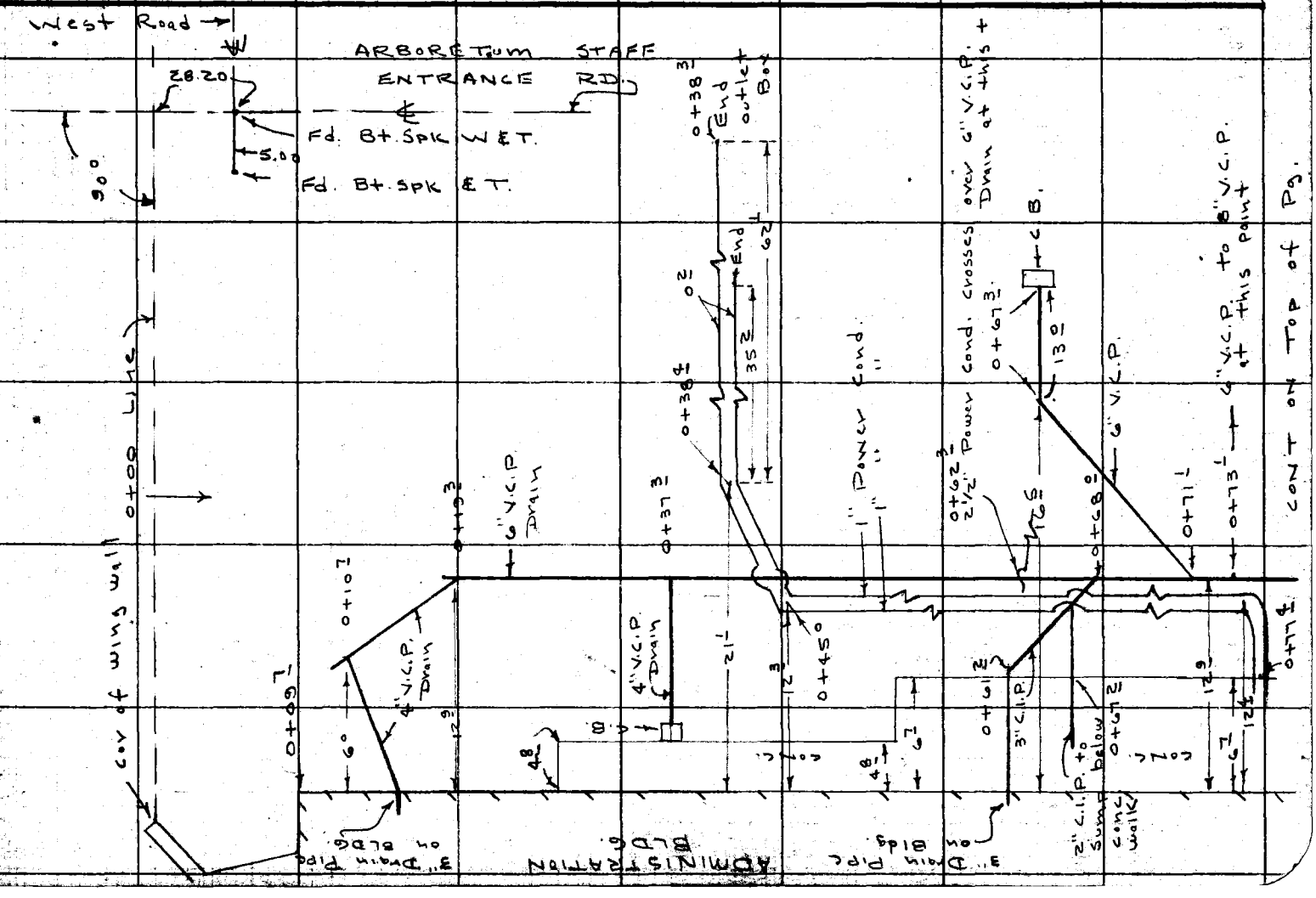

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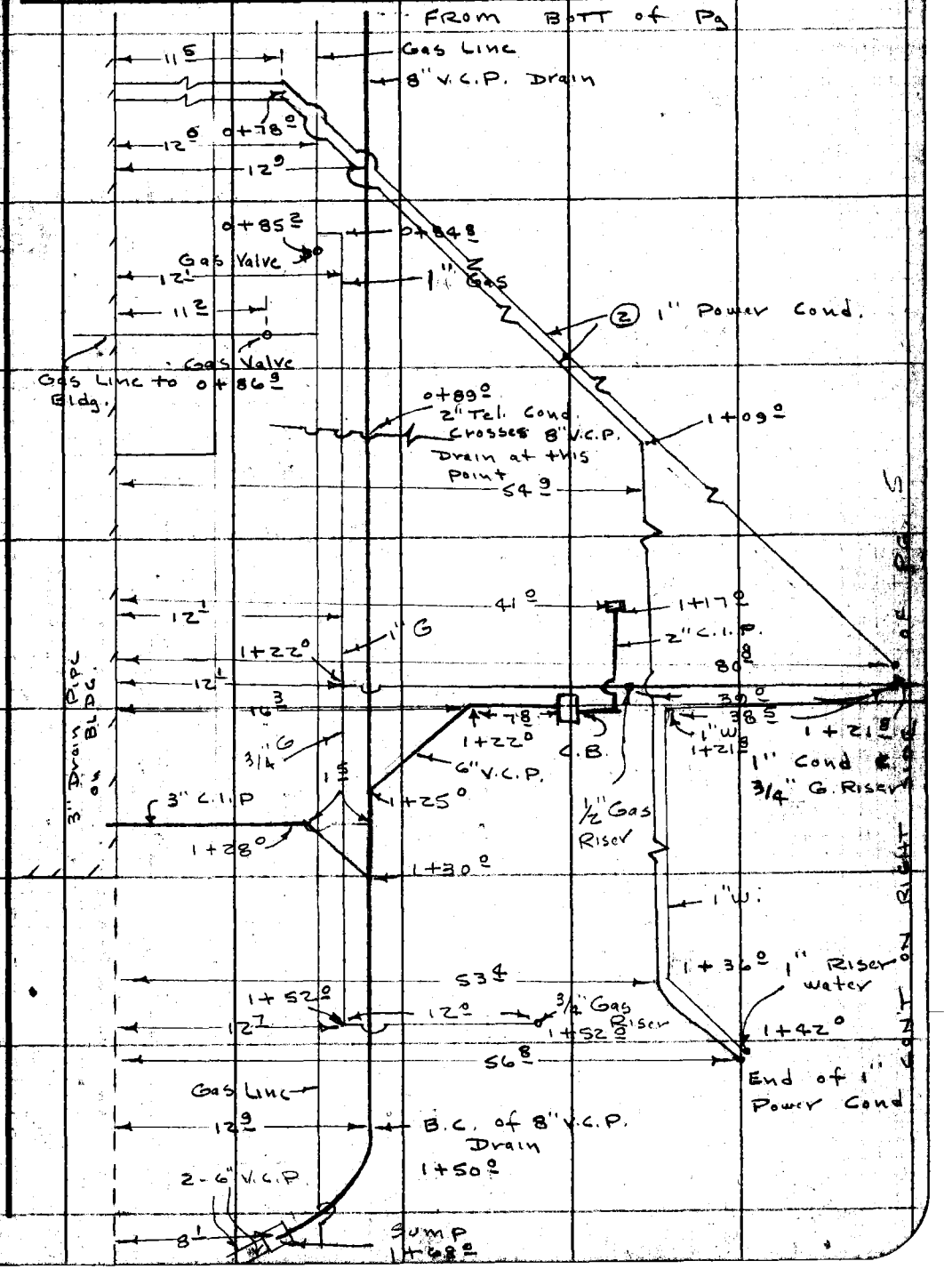
Date	Indexed A. C. Johnson

F. B. 2284 Pg. 21



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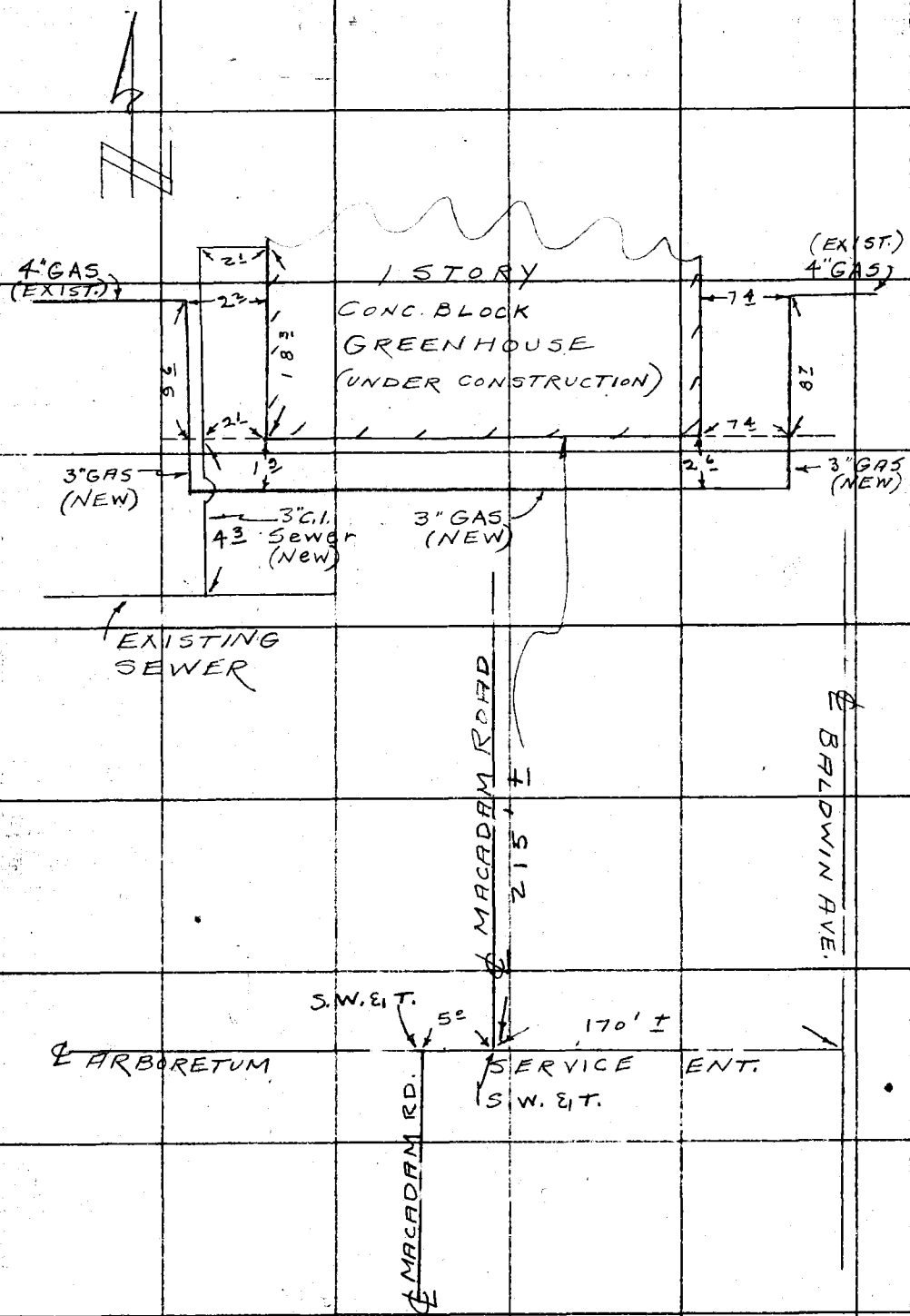
F. B. 4284 Pg. 2½



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Checked	Notes S.P.M. Date 6-20-57
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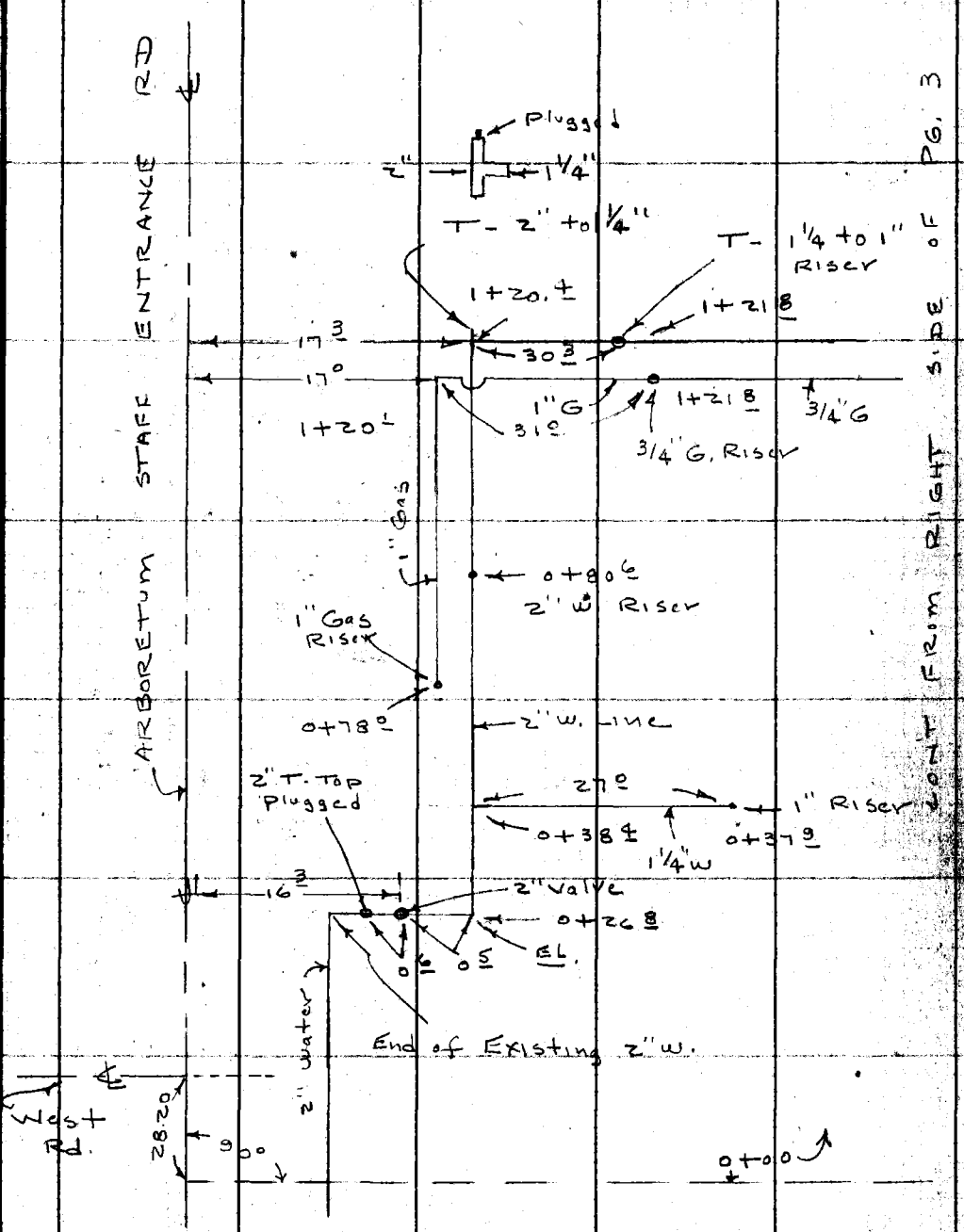
F. B. 2284 PG. 23



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X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Map No. ____ Notes ____ Date ____ Indexed X C. Johnson Date 7-20-59

F. B. 2284 Pg. 25

J.N 874004

Arboretum

Elevation on New Monuments from North 3200.00 East 4800 N.1Y. along East 4800 Line to North - 4947.00 E-4800

Note F.B. 1845-164-167 & 170 for Location of Monu.

STATION	B. S.	H. I.	F. S.	ELEV.

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76L298 307 8-53

76L2[illegible]307 8-53

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F.B. 2284 Pg. 26 Job No. 2744.14 Division No. 10 Notes Red. Plotted Profile
Survey of Arbaccaffy Date Date No. X-Sec.
Survey by C.F.H. Notes A.R.B. Notes Chkd. Checked
Indexed C. Johnson Date 6-11-57 Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	
				514 64	F.B. 1845-182 Elev. 514.64 N-3000 Top of Brass Cap Mon. - pg. -170 E-4800
	839	523 03			
B.M.			1 98	521 05	Top of Brass Cap Mon. N-3200 F.B. 1845-170 (Flush) E-4800
	548	526 53			
B.M.			608	520 45	Top of Brass Cap Mon F.B. 1845-170 N-3200 E-5000 Elev 520.48 F.B. 1845-183 (dm-22")
	989	530 34			
B.M.			1 73	528 61	Top of Brass Cap Mon F.B. 1845-170 N. 3400 E-5000 (New Cap)
	709	535 70			
B.M.			334	532 36	Top of Brass Cap Mon. F.B. 1845-170 N. 3400 E-4800
	1 86	534 22			
B.M.			791	526 31	Top of Brass Cap Mon. F.B. 1845-170 N-3400 E-4756
	1187	538 18			
T.P. 1X1			1 72	536 46	
	672	543 18			
B.M.			350	539 66	Top of Brass Cap Mon F.B. 1845-167 N. 3600 E-4727 Elev-539.68 F.B. 1845-184
	413	543 81			
B.M.			399	539 82	Top of Brass Cap Mon. F.B. 1845-167 N. 3600 E-4800
	728	547 10			
B.M.			068	546 22	Top of Brass Cap Mon F.B. 1845-167 N-3800 E-4800
	937	555 59			
B.M.			073	554 86	Top of Brass Cap Mon F.B. 1845-167 N-4000 E-4800

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.		
				554 86		
	845	563 31			Top of Brass Cap Mon F.B. 1845-167	
B.M			225	561 06	N-4200 E-4800 Elev. 561.06 F.B. 1845-186	
	974	570 80			Top of Brass Cap. Mon F.B. 1845-164	
B.M.			040	570 40	N-4400 E-4800	
	998	580 38			Top of Brass Cap-Mon. F.B. 1845-164	
B.M.			082	579 56	N-4600 E-4800	
	879	588 35			Top of Brass Cap Mon. F.B. 1845-164	
B.M.			172	586 63	N-4800 E-4800 (Elev 586.74 F.B. 1845-189)	
	892	595 55			Top of Brass Cap Mon. F.B. 1845-164	
B.M.			339	592 16	N-4947 E-4800 (Elev. 592.20 F.B. 1845-189)	
	185	594 01			Top of Brass Cap Mon. F.B. 1845-164	
B.M.			868	585 33	N-4800 E-5000 (Elev. -585.35 F.B. 1845-189)	

Profile Notes Red. ____ Plotted ____ Job No. 8740.04 Division No. 10 F. B. 2284 Pg. 27
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E.H. Notes A.R.R. Date 6-11-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Arboretum
JN 8740.19 Tape 0164 Std 68 °F
Surveyed by D.E. Holmes
Notes D.E.H. Date 7-17-57
Indexed C. Johnson
7-20-59

F. B. 2284 PG. 29

ARBORETUM
J.N. 8740.19
SERVICE BUILDING ADDITION

LOCATION & STAKING of Bldg.

See pg's 31 & 32 for detail
Staking of Bldg.
See pg's 34-35 & 36 for Elv's.

Holmes
Barilotti
Goble
Van Horn
Beaudry

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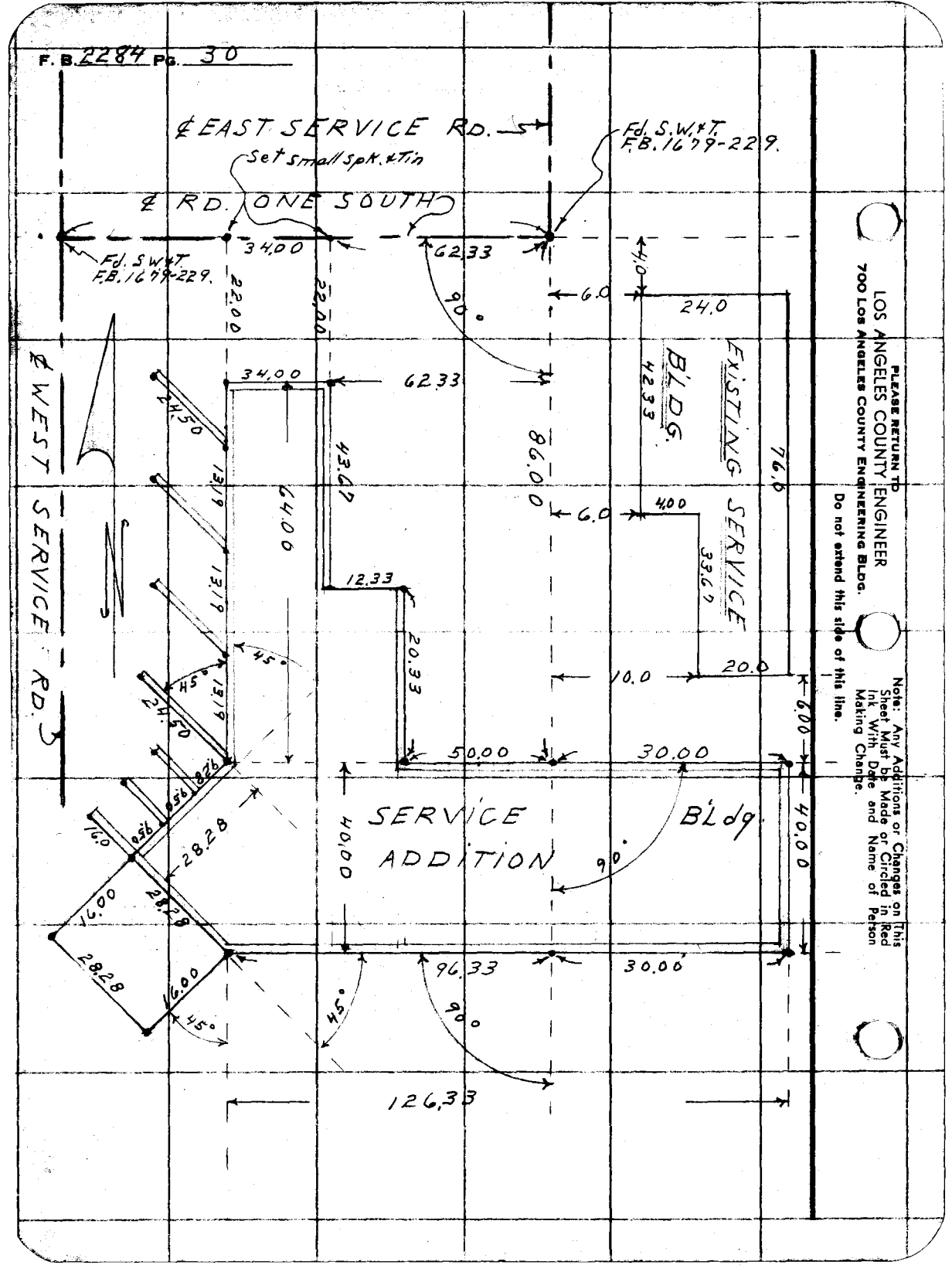
76F3098 SSE #247 1-56

F. B. 2284 PG. 30



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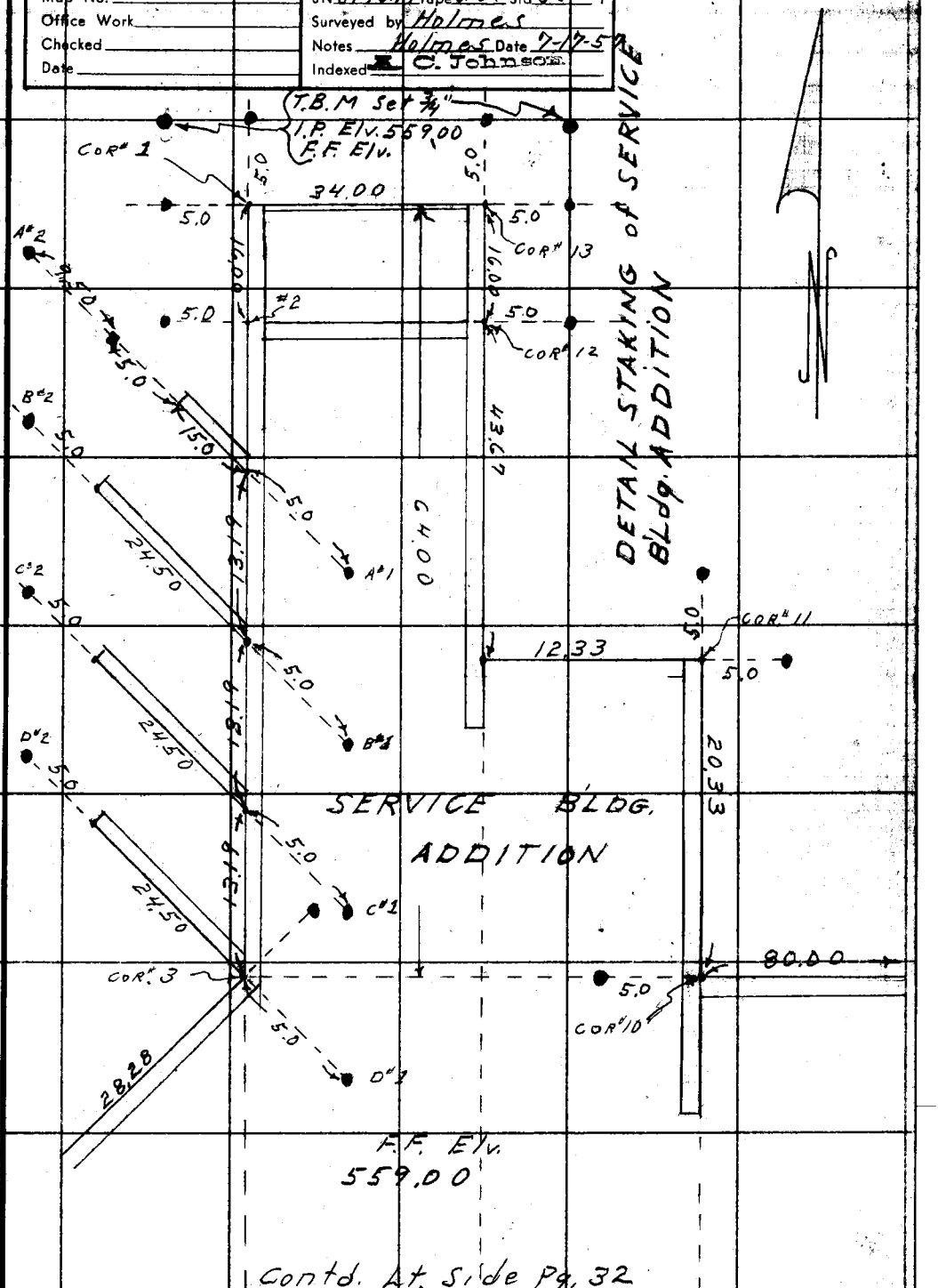
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Arboretum
Map No.	JN 874019 Tape 0164 Std 68 °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 7-17-57
Date	Indexed C. Johnson

F. B. 2284 Pg. 31



Contd. Lt. Side Pg. 32

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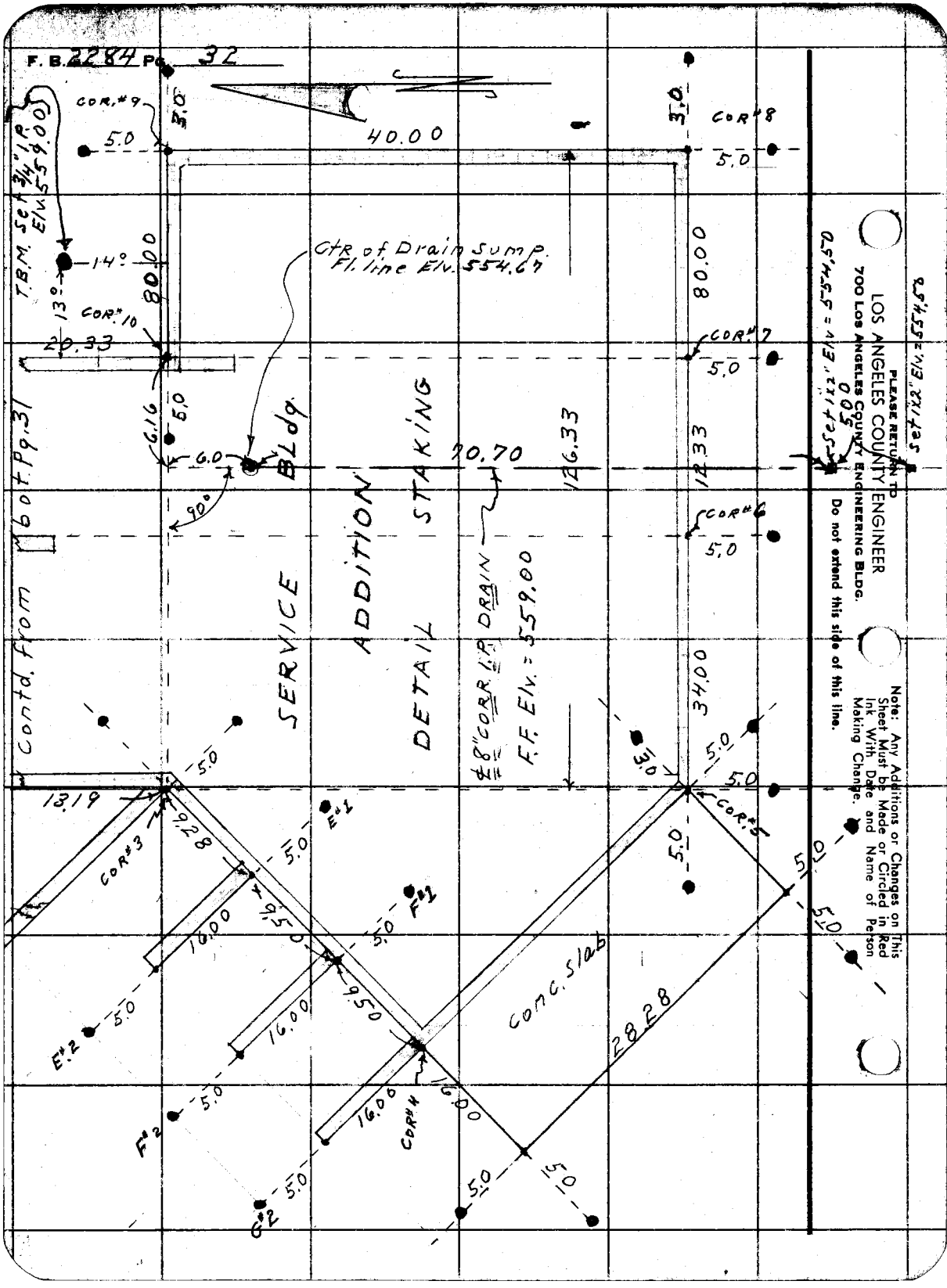
76F3098 S&E #247 1-56


F. B. 2284 Pg. 32
COR. #9
5.0
3.0
40.00
COR #8
T.B.M. Set 3/4" I.P. Elv. 559.00
14°
13°
80.00
COR. #10
20.33
Ctr. of Drain Sump. Fl. line Elv. 554.67
COR #7
6.16
6.0
90°
BLdg.
70.70
126.33
12.33
Set 1"x2" Elv = 554.50
Set 1"x2" Elv. = 554.50
COR #6
Contd. from 6 of Pg. 31
SERVICE
ADDITION
DETAIL
STAKING
℄ 8" CORR. I.P. DRAIN
F.F. Elv. = 559.00
34.00
13.19
9.28
COR #3
E #1
F #1
16.00
9.50
E #2
F #2
G #2
COR #4
COR #5
conc. slab
28.28
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F. B. 2284 Pg. 33

Profile No. | Notes Red. | Date | Plotted | Date | Job No. 8740.19 | Division No. 10
X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of Arboretum
Survey by D.E.H Notes A.R.R Date 7-12-57
Map No. | Indexed C. Johnson Date

J.N. 8740.19

Arboretum

Elev & Grades on New Service Bldg Addition

STATION	B. S.	H. I.	F. S.	ELEV.

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76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grade cut & Fill			
					Elev 538.53 F.B. 1679.84 F.B. 1845-23			
				538 53	Bt. sp k. in Lead Top of curb 10' N of N. end C.R. (W. side) of Baldwin Ave At Staff Ent. Rd			
	506	543 59						
T.P. 1X2			047	543 12				
	962	552 74						
T.P. 1X2			086	551 88				
	933	561 21						
				" See pg.	for	Detailed	Staking	"
#1			232	558 89	559.00	F 0.11	N.W. cor bldg.	1X2
			256	558 65	559.00	F- 0.35	5° offset N-	1X2
			253	558 68	559.00	F 0.32	" " W	"
#2			198	559 23	559.00	C- 0.23	N. edge of Wall	"
			218	559 03	559.00	C- 0.03	5° offset W.	"
#3			209	559 12	559.00	C- 0.12	Bldg Line	"
			226	558 95	559.00	F. 0.05	5° offset W	
#4			51	556 1	559.00		Cor. Bldg	gr.
#5			499	556 22	559.00	F. 2.78	Cor Bldg.	
			518	556 03	559.00	F. 2.97	5° offset W.	1X2
			527	555 94	559.00	F. 3.06	5° " " So.	"
#6			388	557 33	559.00	F. 1.67	5° " " So. (edge Wall)	"
#7			422	556 99	559.00	F. 2.01	5° " " " " "	"
#8			625	554 96	559.00	F. 4.04	S.E. cor. Bldg.	1X2

F. B. 2284 Pg. 34 Job No. 8740.19 Division No. 10 Notes Red. Plotted Profile No.
Survey of Arboretum Date Date X-Sec.
Survey by D.E.H. Notes A.R.B. Notes Chkd Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grade	Cut	Fill		
		561 21							
#8			642	55479	559.00		F.4.21	5° offset So	1x2
			638	55483	559.00		F.4.17	3° " " E.	"
#9			362	55759	559.00		F.1.41	N.E. cor Bldg - Jog.	"
			437	55684	559.00		F.2.16	3° offset E.	"
			330	55791	559.00		F.1.09	5° " " N.	"
#10			226	55895	559.00		F.0.05	S cor Bldg.	"
			217	55904	559.00	C-0.04		5° offset W. Bldg L 1x2	1x2
#11			221	55900	559.00	Grade		End of Wall	1x2
			240	55881	559.00		F.0.19	5° offset E. edge Wall	1x2
			223	55898	559.00		F.0.02	" " " N. " "	1x2
#12			230	55891	559.00		F.0.09	N. edge of Wall	1x2
			217	55904	559.00	C.0.04		5° offset E.	1x2
#13			240	55881	559.00		F.0.19	N.E Cor Bldg.	1x2
			257	55864	559.00		F.0.36	5° offset E	"
			252	55869	559.00		F.0.31	" " " N.	"
#14			632	55489	559.00		F.4.11	Cor. of Conc Slab	"
			654	55467	559.00		F.4.33	5° offset N.W	"
			670	55451	559.00		F.4.49	" " S.W	"
#15			573	55548	559.00		F.3.52	Cor of conc slab	"
			574	55547	559.00		F.3.53	5° offset S.W	"

Profile Notes Red. ____ Plotted ____ Job No. 874018 Division No. ____ F. B. 2284 Pg. 35
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by Holmes Notes ARB Date 7-18-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Jones Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grade	Cut	Fill	
		561 21						
#15			564	555 57	559.00		F-3.43	5° offset S.E. 1x2
#5 = #16			499	556 32	559.00		F.2.78	Cor of Conc Slab 1x2
			483	556 38	559.00		F.2.62	5° offset S.E. "
			492	556 29	559.00		F.2.71	3° " " N.E "
A #1			202	559 19	559.00	C-0.19		5° offset S. edge wall "
A #2			308	558 13	559.00		F.0.87	14.5 " " " " "
B #1			207	559 14	559.00	C.0.14		5° " " " " "
B #2			338	557 83	559.00		F 1.17	5° " " " " "
C #1			174	559 47	559.00	C-0.47		5° " " " " "
C #2			414	557 07	559.00		F.1.93	5° " " " " "
D #1			207	559 14	559.00	C 0.14		5° " " " " "
D. #2			440	556.81	559.00		F.2.19	5° " " " " "
E #1			242	558 79	559.00		F-0.21	5° " " " " "
E #2			431	556 90	559.00		F.2.10	5° " " " " "
F. #1			321	558 00	559.00		F.1.00	5° " " " " "
F. #2			571	555 50	559.00		F 3.50	5° " " " " "
G #1					not set.			
G #2			631	554 90	559.00		F-4.10	5° " " " " "
B.M. (set)			211	559 10	Conc. Slab of Gasoline Pumps Bt. spk. in Lead 6" N. & 1" E. of N.W. Cor of Service Bldg.			"N. end of Service Bldg"

F. B. 2284 Pg. 36 Job No. 8740.18 Division No. Notes Red. Plotted No. Profile
Survey of Aboretum Date Date X-Sec.
Survey by Holmes Notes A.R.B. Notes Chkd. Checked No.
Indexed S. C. Johnson Date Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
				559 10		
	4 28	563 38				
B.M.			4 79	558 59	Top of Brass Cap Mon N-4000 E-5800 (Elev. not known)	

Profile Notes Red. ____ Plotted ____ Job No. 8740.19 Division No. 10 F. B. 2284 Pg. 37
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E.H. Notes A.R.B. Date 7-18-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Notes Ck'd by	Survey of Arboretum
Map No.	JN 8740.05 Tape 0164 Std. 68 °F
Office Work	Surveyed by D.E. Holmes
Checked	Notes Holmes Date 7-
Date	Indexed C. Johnson 7-20-59

F. B. 2284 PG. 39

ARBORETUM

J.N. 8740, 05

LOCATION of 6" & 8" C.M.P. DRAINS
WEST AREA of ARBORETUM.

See pgs 41, 42

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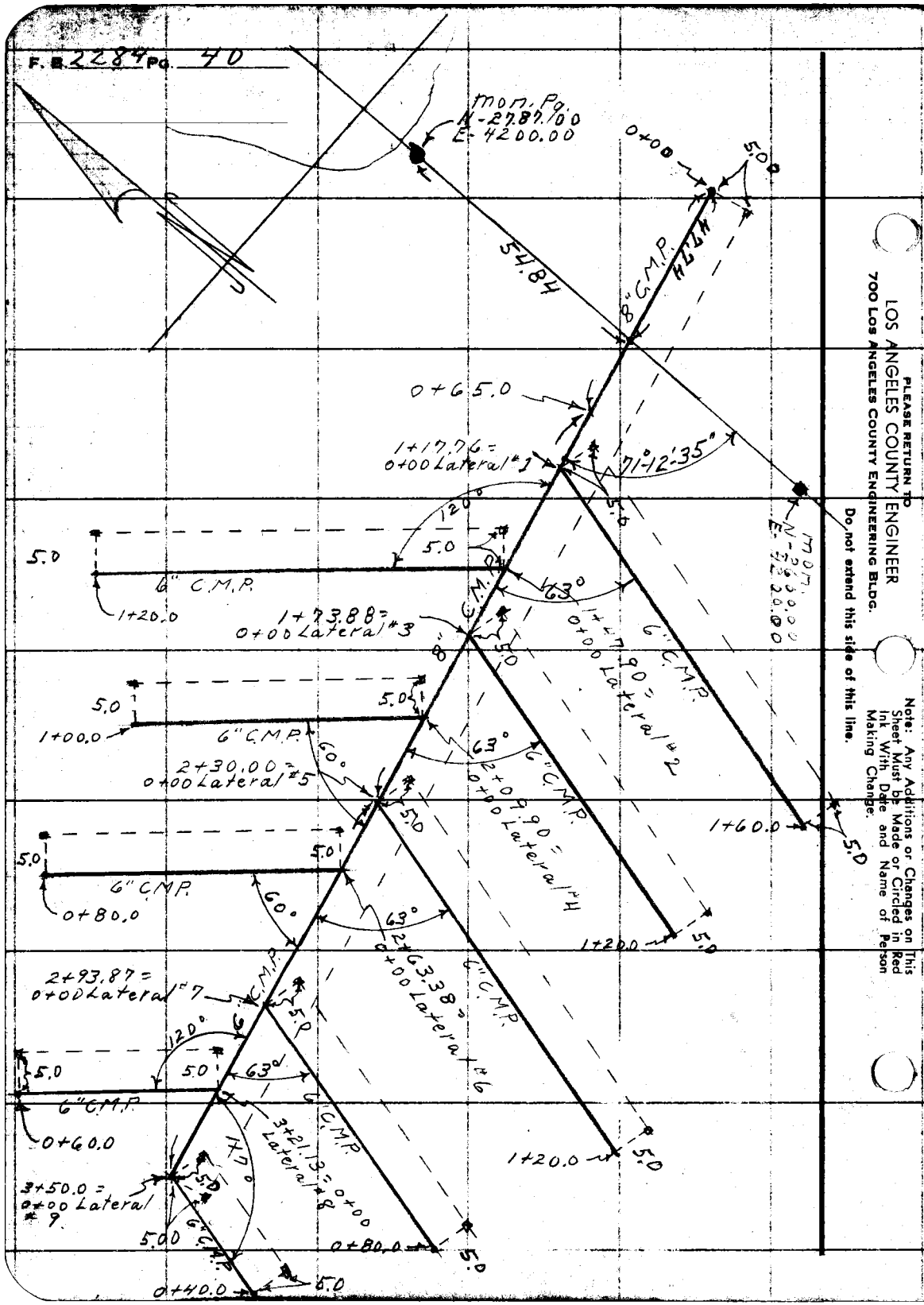
76F3095 SAE #247 1-56

F. B. 2284 Pg. 40



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F. B. 2284 Pg. 41

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. ____ Survey of ____ Survey by ____ Map No. ____

Division No. ____ Notes C. Johnson Indexed ____ Date ____ Date ____

JN 8740.05

Arboretum

Elevation & Grades on Subdrainage System West section of Arboretum

Holmes
Barloth
Goble
Beaudry
Von Horn

STATION	B. S.	H. I.	F. S.	ELEV.

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STATION	B. S.	H. I.	F. S.	ELEV.	Grades	Cut & Fill	
					Elev. 516.41 F.B. 1234-164		
B.M-				516 41	Bt. spk in Root of 18" Elm Tr. (W-side) N-2495 E-4443 250± N.W. of old Stable		
	556	521 97					
T.P. 1X1			348	518 49			
	449	522 98					
B.M.			509	517 89	Top Brass Cap Mon- (Flush N. 2787 E-4200		
	591	523 80					
0+00			72	5166	512.60	C-4.0	Ground.
			679	51701	512.60	C-4.41	5 offset Left 1X2
0+43 81			571	51809	513.40	C-4.69	Ctr. of Pavement
0+65			52	5186	513.90	C-4.7	gr
			515	51865	513.90	C-4.75	5° offset Left 1X2
1+17 76			46	5192	514.96	C. 4.2	gr
			452	51928	514.96	C-4.32	5° offset Left 1X2
1+47 90			38	5200	515.56	C-4.4	
			389	51991	515.56	C. 4.35	5° offset Left 1X2
1+73 88			35	5203	516.08	C-4.2	gr
			342	52038	516.08	C. 4.30	5° offset Lt 1X2
2+09 90			28	5210	516.80	C-4.2	gr
			291	52089	516.80	C-4.09	5° offset Lt 1X2
2+30 00			29	5209	517.20	C-3.7	gr
			282	52098	517.20	C-3.78	5° offset Lt 1X2

2% Grade

F. B. 2284 Pg. 42 Job No. 8744.05 Division No. 10 Notes Red. Plotted Profile
Survey of Arboretum Date Date No.
Survey by D.E.H. Notes A.R.B. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grades	Cut & Fill	
		523 80					
2+63 38			21	5217.	517.87	C-3.8	gr
			224	2156.	517.87	C. 3.69	5° offset Lt 1x2
2+86 90			184	2196.	518.34	C-3.62	Intersection of 6" SS. Line 1x1
2+93 87			15	223.	518.48	C-3.8	gr.
			156	2224.	518.48	C. 3.76	5° offset Lt. 1x2
3+21.13			10	228.	519.02	C-3.8	gr.
			095	2285.	519.02	C. 3.83	5° offset Lt 1x2
3+50			07	231.	519.60	C. 3.5	gr.
"			084	2296.	519.60	C. 3.36	5° offset Lt 1x2
Lateral #1							
0+00			46	192.	514.96	C. 4.2	gr
			464	1916.	514.96	C. 4.20	5° offset Lt 1x2
0+30			45	193.	515.26	C. 4.0	gr
0+30			449	1931.	515.26	C. 4.05	5° offset Lt. 1x2
0+60			43	195.	515.56	C-3.9	gr
			434	1946.	515.56	C. 3.90	5° offset Lt 1x2
0+90			41	197.	515.86	C-3.8	gr.
			427	1953.	515.86	C. 3.67	5° offset Lt. 1x2
1+20			40	198.	516.16	C. 3.6	gr.
			407	1973.	516.16	C-3.57	5° offset Lt. 1x2

2%

1.00%

Profile Notes Red. ____ Plotted ____ Job No. 87440-04 Division No. 10 F. B. 2284 Pg. 43
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E.H. Notes A.R.R. Date 7-23-57
No. ____ Date ____ Date ____ Map No. ____ Indexed X C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grades	Cut & Fill	
Lateral #1		523 80					
1+50			37	5201	516.46	C-3.6	.gr.
			371	2009	516.46	C.3.63	.5° offset Lt 1x2
1+60			36	202	516.56	C.3.6	.gr.
			357	2023	516.56	C.3.67	.5° offset Lt 1x2
Lateral #2							
0+00			38	200	515.56	C.4.4	.gr.
			384	1996	515.56	C-4.40	.5° offset Right 1x2
0+30			35	203	516.06	C.4.2	.gr
			346	2034	516.06	C.4.28	.5° offset Rt. 1x2
0+60			32	206	516.56	C.4.0	.gr
			314	2066	516.56	C.4.10	.5° offset Rt 1x2
0+90			31	207	517.06	C.3.6	.gr
			302	2078	517.06	C.3.72	.5° offset Rt. 1x2
1+20			30	208	517.56	C.3.2	.gr.
			300	2080	517.56	C.3.24	.5° offset Rt 1x2
Lateral #3							
0+00			34	204	516.08	C.4.3	.gr.
			347	2033	516.08	C.4.25	.5° offset Left 1x2
0+30			31	207	516.47	C.4.2	.gr.
			336	2044	516.47	C.3.97	.5° offset Lt 1x2

1.00%

1.67%

1.3%

F. B. 2284 Pg. 44

Job No. 8 [illegible] Division No. 10 Notes Red. Plotted Profile

Survey of Arboretum Date Date No.

Survey by D.E.H. Notes A.R.B. Notes Chkd. Checked X-Sec.

Indexed H. G. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grades	Cut & Fill	
		523 80					
Lateral #3							
0+60			36	202.	516.86	C-3.3	.gr
			351	2029.	516.86	C-3.43	.5° offset Lt 1x2
0+90			35	203.	517.25	C-3.0	.gr
			340	2040.	517.25	C-3.15	.5° offset Lt 1x2
1+20			28	210.	517.64	C-3.4	.gr
			301	2079.	517.64	C-3.15	.5° offset Lt 1x2
Lateral #4							
0+00			28	210.	516.80	C-4.2	.gr
			299	2081.	516.80	C-4.01	.5° offset Rt. 1x2
0+30			27	211.	517.25	C-3.8	.gr
			262	2118.	517.25	C-3.93	.5° offset Rt 1x2
0+60			26	212.	517.70	C-3.5	.gr
			249	2131.	517.70	C-3.61	.5° offset Rt 1x2
0+90			22	216.	518.15	C-3.4	.gr
			236	2144.	518.15	C-3.29	.5° offset Rt 1x2
1+00			22	216.	518.30	C-3.3	.gr
			225	2155.	518.30	C-3.25	.5° offset Rt. 1x2
Lateral #5							
0+00			29	209.	517.20	C-3.7	.gr

1.30%

1.50%

Profile Notes Red. ____ Plotted ____ Job No. 874105 Division No. 10 F. B. 2284 Pg. 45
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E.H. Notes A.R.R. Date 7-23-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	Grades	Cut & Fill	
		523 80					
Lateral #5							
0+00			286	52094	517.20	C-3.74	5° offset Lt 1x2
0+30			27	211	517.59	C-3.5	gr
			291	2089	517.59	C-3.30	5° off Lt. 1x2
0+60			27	211	517.98	C-3.1	gr
			284	2096	517.98	C-2.98	5° offset Lt. 1x2
0+90			22	216	518.37	C-3.2	gr
"			231	2149	518.37	C-3.12	5° offset Lt 1x2
1+20			17	221	518.76	C-3.3	gr
			185	2195	518.76	C-3.19	5° offset Lt 1x
B.M.			221	521 59	Top of Brass cap Mon. N-2600 E-4000	Elv. F.B.	
	518	526 77					
Lateral #6							
0+00			51	5217	517.87	C-3.8	gr
			517	521 60	517.87	C-3.73	5° offset Rt. 1x2
0+30			48	5220	518.32	C-3.7	gr
"			493	521 84	518.32	C-3.52	5° offset Rt. 1x2
0+60			46	5222	518.77	C-3.4	gr
"			478	521 99	518.77	C-3.22	5° offset Rt 1x2
0+80			44	5224	519.07	C-3.3	gr

1.30%

1.50%

F. B. 2284 Pg. 46 Job No. 8746-05 Division No. 10 Notes Red. Plotted Profile
Survey of Arboretum Date 7-23-57 Date No.
Survey by D.E.H. Notes A.R.B. Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Grade			
		526 77						
Lateral #6								
0+80			458	52219.	1.50% 519.07	C. 3.12	5° offset Rt	1X2
Lateral #7								
0+00			45	5223.	518.48	C. 3.8	gr.	
			470	52207.	518.48	C. 3.59	5° offset Lt.	1X2
0+60			44	5224.	519.01	C. 3.4	gr.	
			451	52226.	519.01	C. 3.25	5° offset Lt.	1X2
0+60			41	5227.	519.53	C. 3.2	gr.	
			407	52270.	519.53	C. 3.17	5° offset Lt.	1X2
0+80			36	5232	519.88	C. 3.3	gr.	
			384	52293.	519.88	C. 3.05	5° offset Lt.	1X2
Lateral #8								
0+00			[illegible]	5228.	519.02	C. 3.8	gr.	
			416	52261.	519.02	C. 3.59	5° offset Rt.	1X2
0+30			40	5226.	519.32	C. 3.5	gr.	
			392	52265.	519.32	C. 3.53	5° offset Rt	1X2
0+60			38	5230.	519.62	C. 3.4	gr.	
			392	52285.	519.62	C. 3.23	5° offset Rt	1X2

1.75%

1.0%

Profile Notes Red. ____ Plotted ____ Job No. 8740.05 Division No. 10 F. B. 2284 Pg. 47
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E.H. Notes A.R.B. Date 7-23-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grade			
		526 77						
Lateral #9								
0+00			3.6	523 2.	519.60	C.3.6	.9 r.	
			3.90	522 57.	519.60	C.3.27	.5° offset Lt.	1x2
0+30			3.6	523 2.	520.05	C.3.1	.9 r.	
			3.46	523 31.	520.05	C.3.26	.5° offset Lt.	1x
0+40			3.2	523 6.	520.20	C.3.4	.9 r.	
"			3.28	523 49.	520.20	C.3.29	.5° offset Lt	1x
B.M			5.92	520 85.	Top of Brass Cap Mon. Flush N. 2800 E. 4000 Elev.			F.B.

1.50%

F. B. 2284 Pg. 48 Job No. 8740-05 Division No. 10 Notes Red. Plotted Profile
Survey of Arboretum Date 7-23-57 Date No.
Survey by D.E.H. Notes A.R.B. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

Profile No.	Notes Red. Date	Plotted Date	Job No.	Division No.
X-Sec. No.	Notes Chkd. Date	Checked Date	Survey of Arboretum Survey by O.E.H Notes A.R.B Date 11-23-57 Map No. Indexed K. C. Johnson Date	

F. B. 2284 Pg. 49

J. N. 8740.19

Arboretum

Elev & Grade Parking Area to New Service Bldg.

STATION	B. S.	H. I.	F. S.	ELEV.

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76298 S & E #307—7.55

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
					Elev. 559.10 F.B. 2284-36	
				559.10	Conc. Slab of Gasoline Pumps Bt spk in Lead 6° N & 1° E of N.W. Cor of Service Bldg.	
	449	563.59				
			535	558.24	558.95 T.Cb. F.0.71	#1 5° offset to NE end Ch
			519	558.40	" " " F.0.55	2. N.E. Cor
			520	558.39	" " " F.0.56	3. S.E. Cor
			522	58.37	" " " F.0.58	4. 5° offset to So
			520	58.39	" " " F.0.56	5. 5° off to E. S. Ely Cor.
			518	58.41	" " " F.0.54	6. Most S. Ely Cor.
			495	58.64	" " " F.0.31	7. " S. Wly Cor.
			496	58.63	" " " F.0.32	8. 5° offset to S. Wly Cor.
			528	58.31	" " " F.0.64	9. 5° offset to S.W. Cor.
			529	58.30	" " " F.0.65	10. S.W. Cor.
			523	58.36	" " " F.0.59	11. N.W. Cor.
			548	58.11	" " " F.0.84	12. 5° offset to N.W. Cor
			496	58.63	558.63 Grade	13 Bldg. Line
			489	58.70	558.66 C-0.04	14. " "
			494	58.65	558.68 F.0.03	15
			489	58.70	558.70 Grade	16
			501	58.58	558.58 Grade	17. Bldg Line
			512	58.47	558.54 F.0.07	18 25 N. "
			513	58.46	558.50 F.0.04	19 50 N. "

S. Constr @ Elv. 559.30 T.C.

F. B. 2284 Pg. 50 Job No. 2[illegible] Division No. 10 Notes Red. Plotted No. Profile
Survey of Arboretum Date 11-23-57 Date X-Sec.
Survey by D.E.H. Notes 1 A.R.B. Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.			
		563 59					
			513	558 46	558.46	Grade	20 75 No of Bldg. Line N&T
			500	58 59	558.59	" "	21 Bldg Line
			497	58 62	558.50	C-0.12	22 25 No- " N&T
			499	58 60	558.36	C-0.24	23 50 " " "
			500	58 59	558.59	Grade	24- Bldg Line 25° So. Bldg Line
			502	58 57	558.57	Grade	25 - N.E. door Way of W. Wing
			541	558 18	558.18	Grade.	26 N.W. Cor of New Pit
			449	559 10	Elev 559-10	See begin for discription	

Profile Notes Red. Plotted Job No. 8746.19 Division No. 10 F. B. 2284 Pg. 51
No. Date Date Survey of Arboretum
X-Sec. Notes Chkd. Checked Survey by D.E.H. Notes A.R.B. Date 11-23-57
No. Date Date Map No. Indexed Date

Notes Ck'd by	Survey of Arboretum
Map No.	JN 8744.01 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 8-18-58
Date	Indexed K. C. Johnson 7-28-59

F. B. 2284 PG. 53

J.N. 8744.01
ARBORETUM
NEW WING ADDITION TO THE
ADMINISTRATION BLdg.
LOCATION & STAKING of Bldg.

See Pg. 56. for detail Staking of Bldg.
See Pgs 58 & 59 Elvs. & Grades.

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787309S CE #247—3-57

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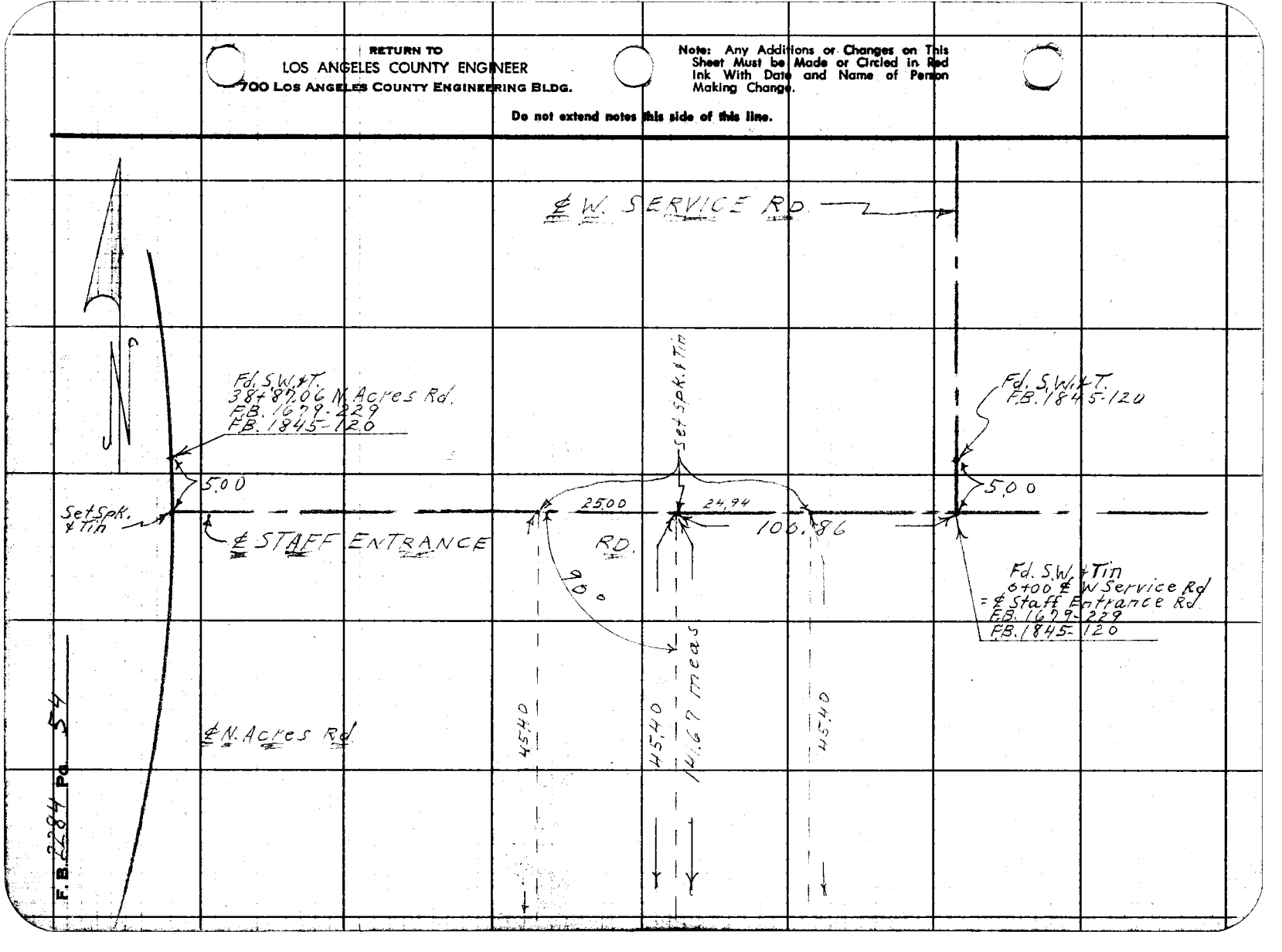

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Arboretum
JN 89440 Tape Std °F
Surveyed by Holmes
Notes Holmes Date 8-18-58
Indexed E. C. Johnson

F. B. 2284 Pg. 55

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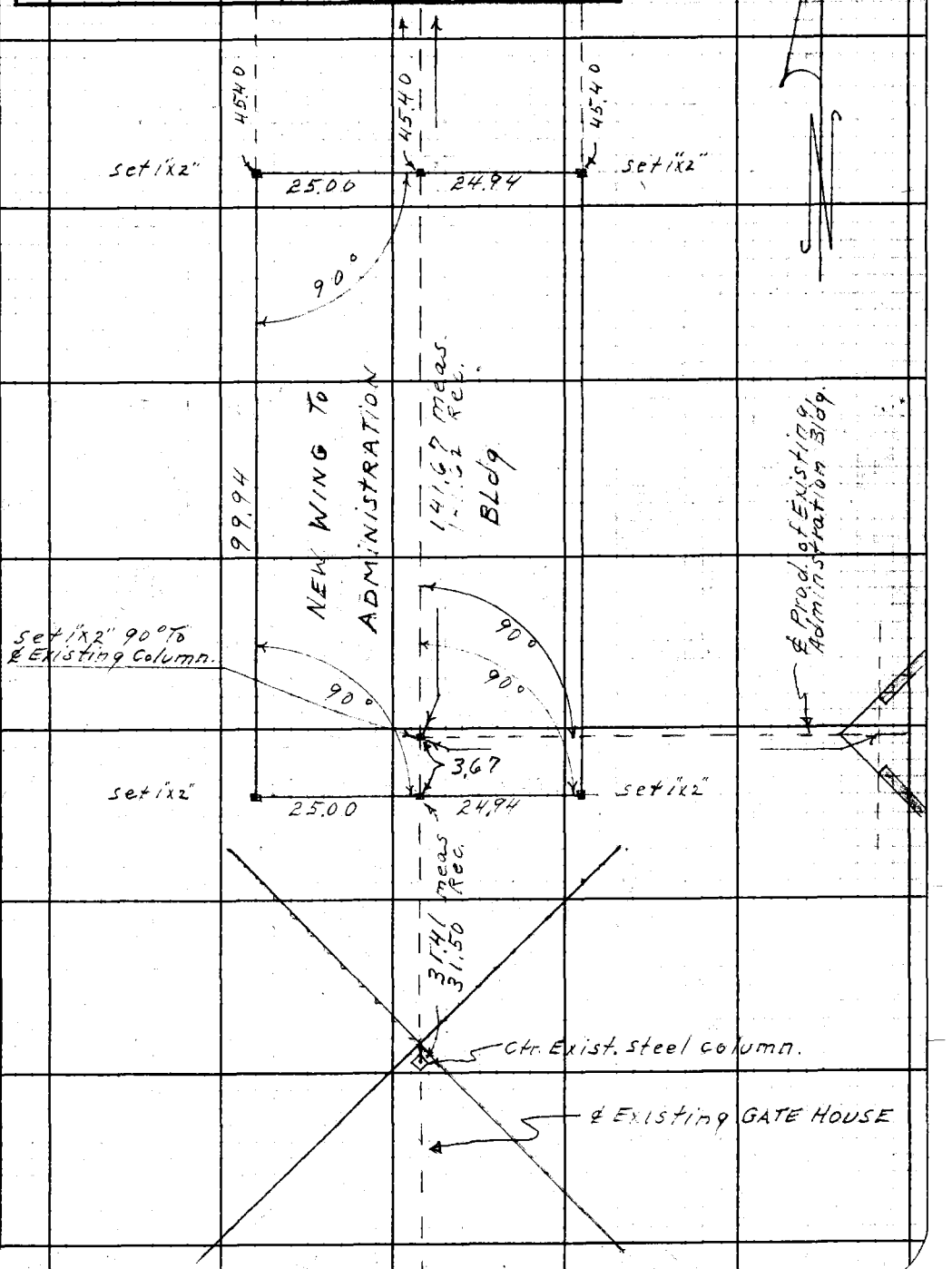
76F3095 CE #247—8-57



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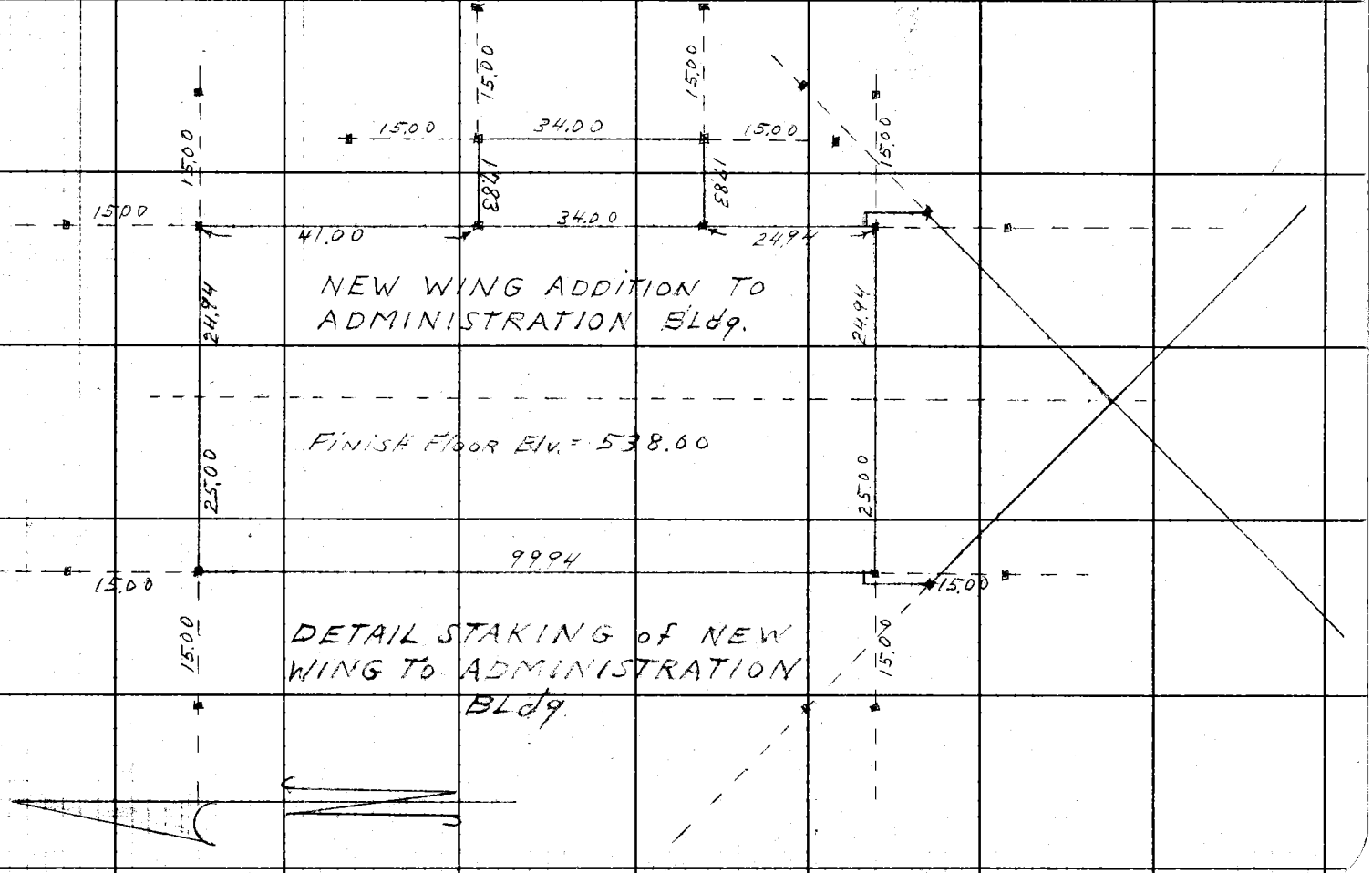

4540

F.B. 2284 Pg. 56

Profile	Notes Red.	Plotted	Job No. 8744.01	Division No. 16	F. B. 2284 Pg. 57
No.	Date	Date	Survey of Arboretum		
X-Sec.	Notes Chkd.	Checked	Survey by Holmes	Notes DEH.	Date 8-18-58
No.	Date	Date	Map No.	Indexed C. Johnson	Date

J.N. 8744.01
ARBORETUM
ELV'S & GRADES OF NEW ADDITION
TO ADMINISTRATION BLDG.
538.00 FINISH FLOOR GR.

STATION	B. S.	H. I.	F. S.	ELEV.

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STATION	B. S.	H. I.	F. S.	ELEV.				
					BM Elv. 542.23 FB 1845-184			
B.M.				542 23	Top C.E. MON. N. 3600 E-5600			
	1 94	544 17						
					GRADES	Cut	Fill	Remarks.
			2 95	541 22	538.00	3.22		N.W COR.
			2 57	41 60	" "	3.60		15' offset N
			2 71	41 46	" "	3.46		" " " W.
			11 57	32 60	" "		5.40	S.W. COR.
			12 33	31 84	" "		6.16	15' offset So. SPK & Tin
			10.91	33 26	" "		4.74	" " W SPK & Tin
			8 62	35 55	" "		2.45	S.E. COR.
			9 33	34 14	" "		3.16	15' offset So.
			7 45	36 42	" "		1.28	" " E
			6 83	37 04	" "		0.66	SE. COR. Area WAY
			7 05	37 12	" "		0.88	15' offset So.
			6 50	37 67	" "		0.33	" " E.
			4 41	39 76	" "	1.76		N.E. COR. Elect. room
			3 86	40 31	" "	2.31		15' offset N.
			4 76	39 41	" "	1.41		" " E.
			2 91	41 26	" "	3.26		N.E. Cor Bldg.
			2 94	41 23	" "	3.23		15' offset E
			2 41	41 76	" "	3.76		" " N.

F. B. 2284 Pg. 58 Job No. 8744 Division No. 10 Notes Red. Plotted Profile
Survey of Arboretum Date Date No.
Survey by Holmes Notes Holmes Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

Profile	Notes Red.	Plotted	Job No. 8740.01	Division No.	F. B. 2284 Pg. 59
No.	Date	Date	Survey of Arboretum		
X-Sec.	Notes Chkd.	Checked	Survey by Holmes	Notes DEM	Date 8-18-58
No.	Date	Date	Map No.	Indexed ~~X~~ C. Johnson	Date

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76298 S & E #307—7-55

STATION	B. S.	H. I.	F. S.	ELEV.	
BM		54417	435	439.82	3M. Elv 539.81 FB 1845-184 Top C.E. Mon. N-3600 E 5400

Notes Ck'd by	Survey of Arboretum	F. B 2284 Pg. 61
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed K. C. Johnson 7-20-59	

JN. 8744.01
ARBORETUM
LINE CHANGE ON 6" C.I. SEWER (FB. 1679-136)
LINE TO BYPASS NEW ADDITION TO
ADMINS. Bldg.
for Elvs. & Grades see Pg. 64

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76FSOSS CE #247—3-57

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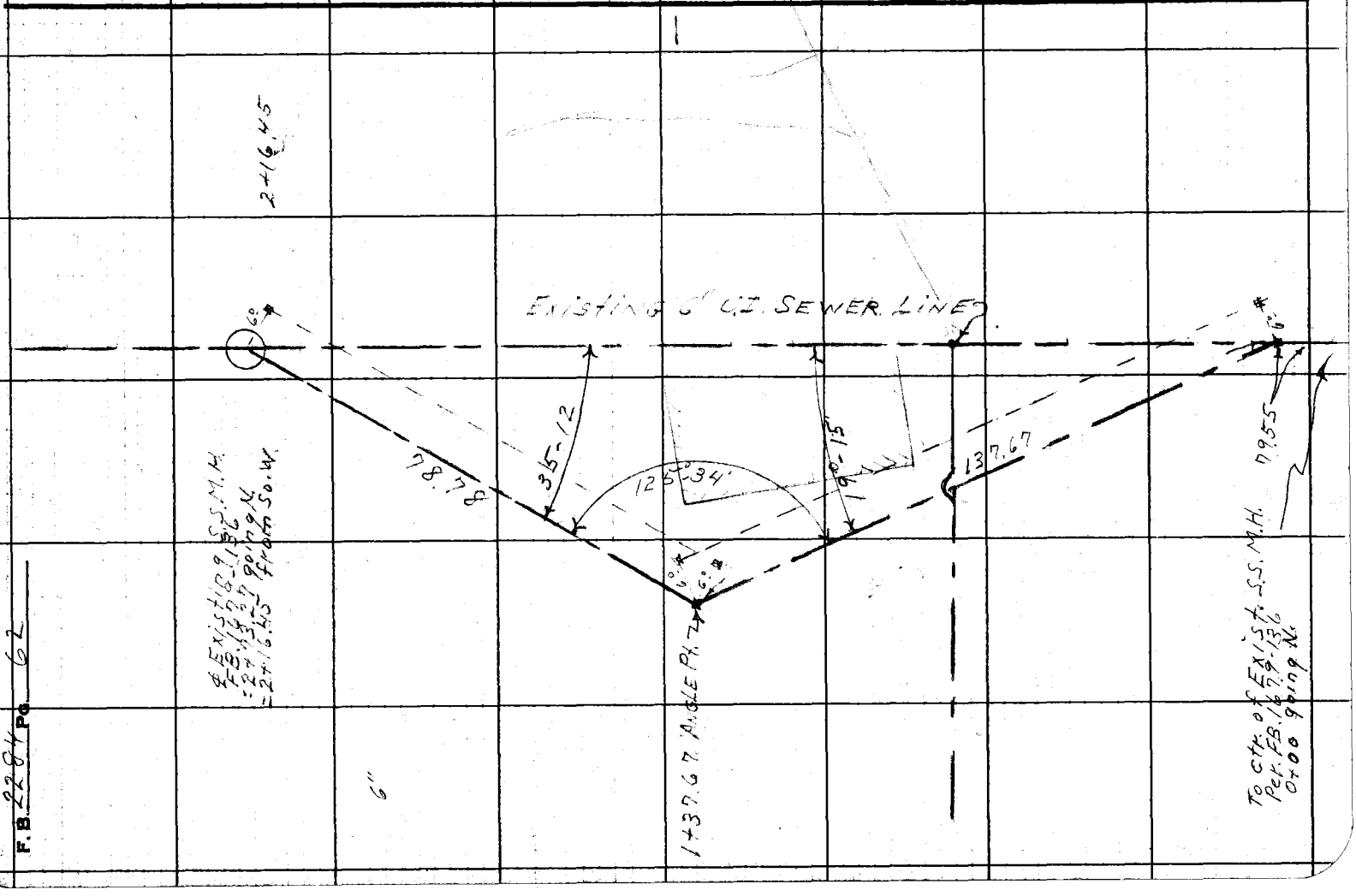
F.B. 2284 Pg. 62



Profile	Notes Red.	Plotted	Job No.	Division No.	F. B. 2284 Pg. 63
No.	Date	Date	Survey of		
X-Sec.	Notes Chkd.	Checked	Survey by	Notes	Date
No.	Date	Date	Map No.	Indexed X C. Johnson	Date

JN 8744.01

ARBOR ET[illegible]

[illegible] GRADES [illegible] CHANGE

of 6" C.I. SEWER LINE.

STATION	B. S.	H. I.	F. S.	ELEV.

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F. B. 2284 Pg. 64 Job No. 8447.01 Division No. 10 Notes Red Date Notes Chkd Date Profile No.
Survey of Arbor Ave Notes Date X-Sec. No.
Survey by 40 Engrs Notes Date Plotted
Indexed E. C. Johnson Date Checked Date

STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	Cut	Remarks
B.M.				532 07			B.M. Elv. 532.07 F.B. 1845-183 Top C.E. mon. N-3400 E-5400 F.B. 1845-166
	383	535 90					
T.P.			423	531 67			
	1038	542 05			GRADE	Cut	Remarks.
0+79.55 from 50.= 0+00 90 179 A.E.					522.62		Fl. line 6" C.I. Sewer line
" "	"		1038	531 67	522.62	9.05	6° offset To Rt 1"x2"
0+25			1011	531 94	523.95	7.99	
0+50			719	534 22	525.28	9.58	
0+75			288	539 19	526.61	12.56	
1+00			172	540 33	527.94	12.39	
1+25			099	541 06	529.27	11.79	
1+37.67 Sa. [illegible]			075	541 30	529.94	11.36	
1+37.67 Ahead			099	541 26	529.94	11.32	
1+50			073	541 32	530.60	10.72	
1+75			048	541 57	531.93	9.64	
T.P.			048	541 59			
	461	546 18					
2+00			392	542 26	533.26	9.00	
2+16.45			379	542 39	534.13	8.26	
" "			1205	534 13	534.13	GR.	Fl. line 6" C.I. Sewer
B.M.			395	542 23	B.M. Elv. 542.23 F.B. 1845-184 Top C.E. mon. N-3600 E-5600 F.B. 1845-166		

5,318.00

Notes Ck'd by	Survey of Arboretum
Map No.	JN 8744.01 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 8-29-58
Date	Indexed C. Johnson

F. B. 2284 Pg. 65

J.N. 8744.01
ARBORETUM
Location after Constr. of new 6" V.C. sewer line See pg. 62.

Note bet. Sta. 0+00 & 1+37.67 pipe was laid 7' west of staked line due to poorly dug ditch Per. inspector

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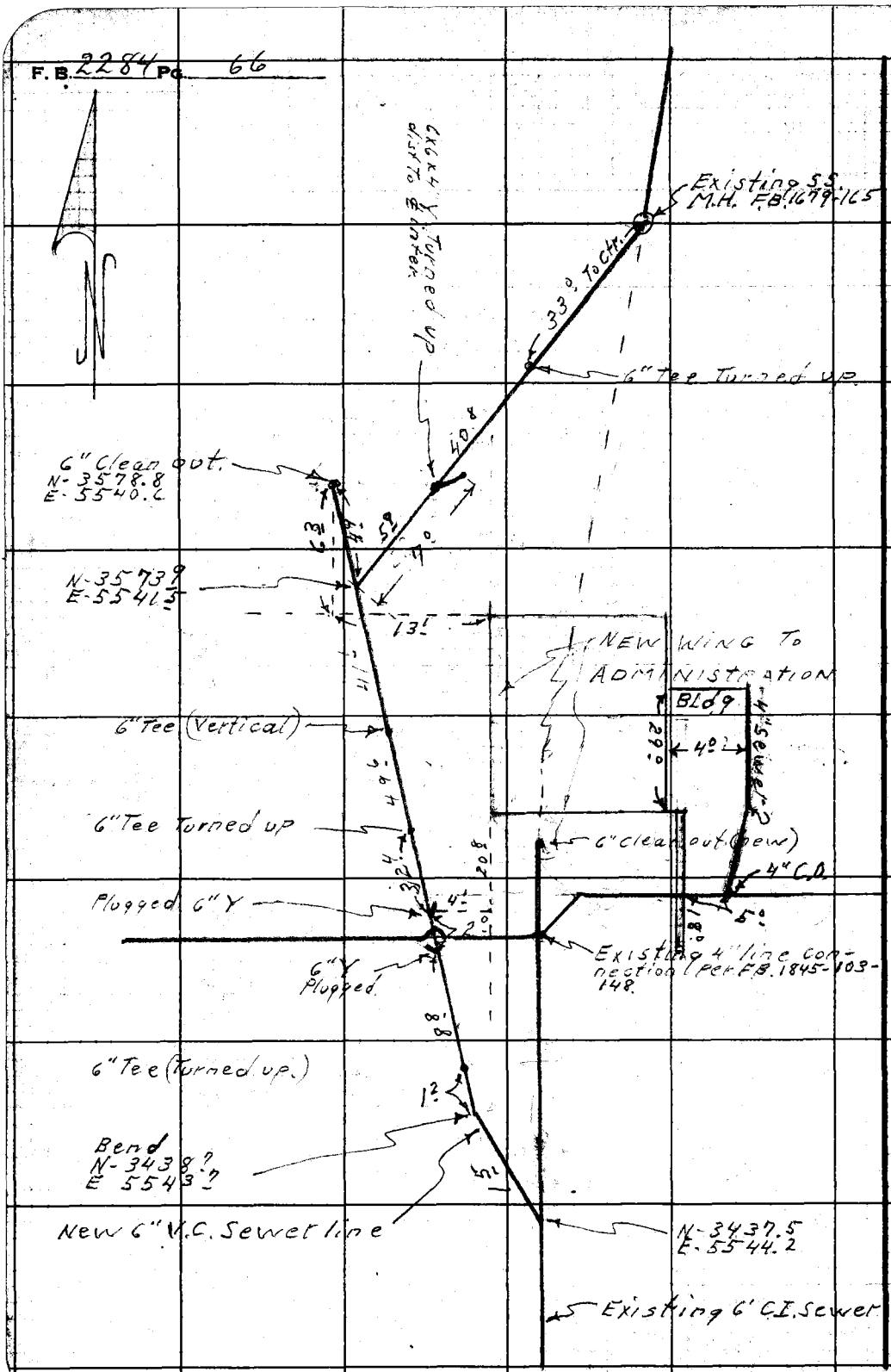
76F309S CE #247—3-57

F. B. 2284 Pg. 66



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Notes Ck'd by	Survey of Arboretum
Map No.	JN 87440 Tape Std. °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 9-4-58
Date	Indexed 7-20-89

F. B. 2284 Pg. 67

Relocation of
1½-1¼" Gas Line

Existing 1½" Gasline
F.B. 1845-149

Existing 1¼ Gasline
To be removed

1¼" Gas Cock

New 1¼" Gas Line

ADMINS
Bldg.

Existing 1¼" Gasline
F.B. 1845-149

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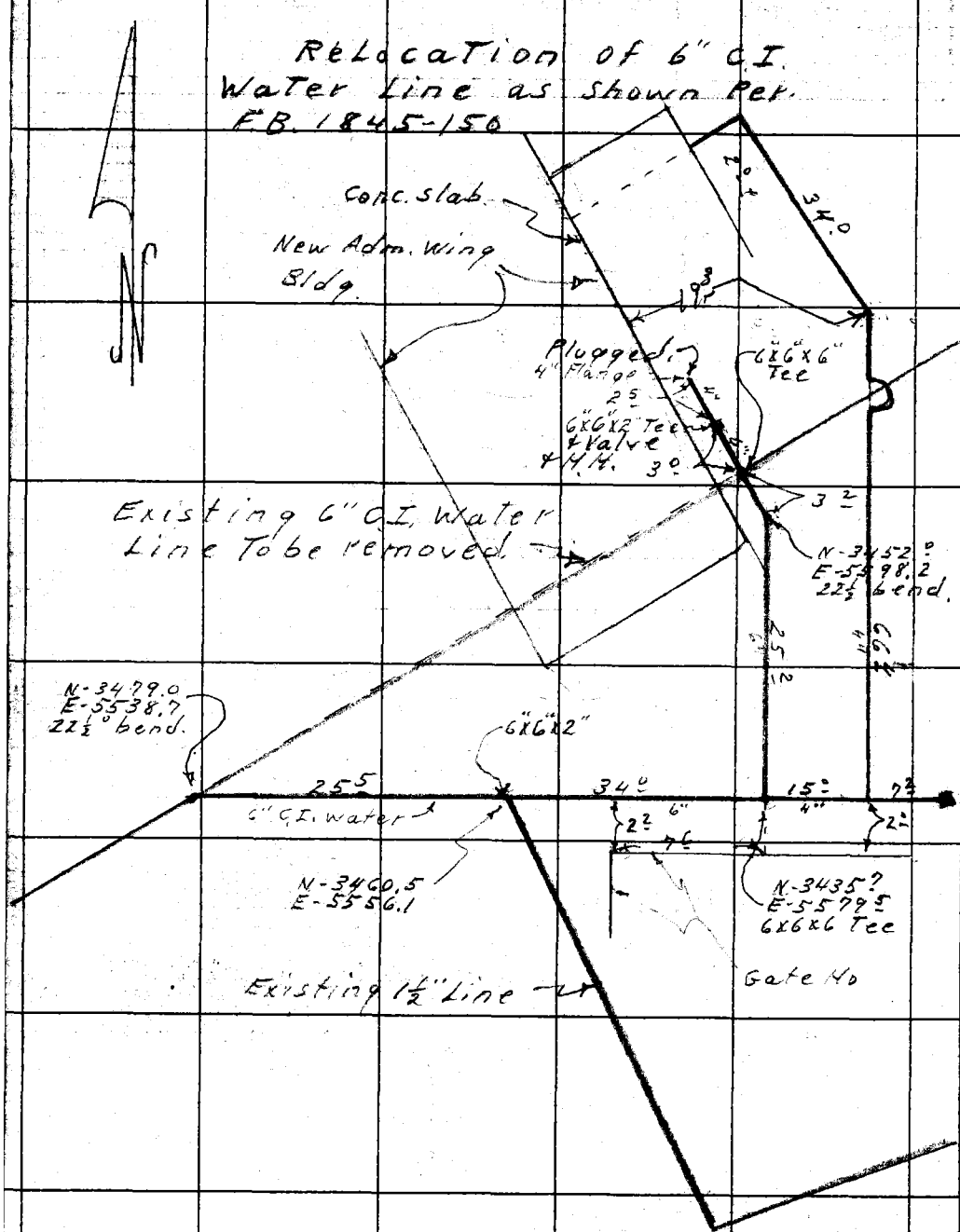
76FS099 CE #247 8-57

F.B. 2284 Pg. 68



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Notes Ck'd by	Survey of Aboretum
Map No.	JN 8740.28 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 9-15-58
Date	Indexed L. C. Johnson 7-20-59

F. B. 2284 Pg. 69

J.N. 8740.28
ARBORETUM
LOCATION & DETAIL STAKING
of
SOUTH AREA COMFORT STATION

See Pg. 74 for Elvs.

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76FS095 CE #247 3-57

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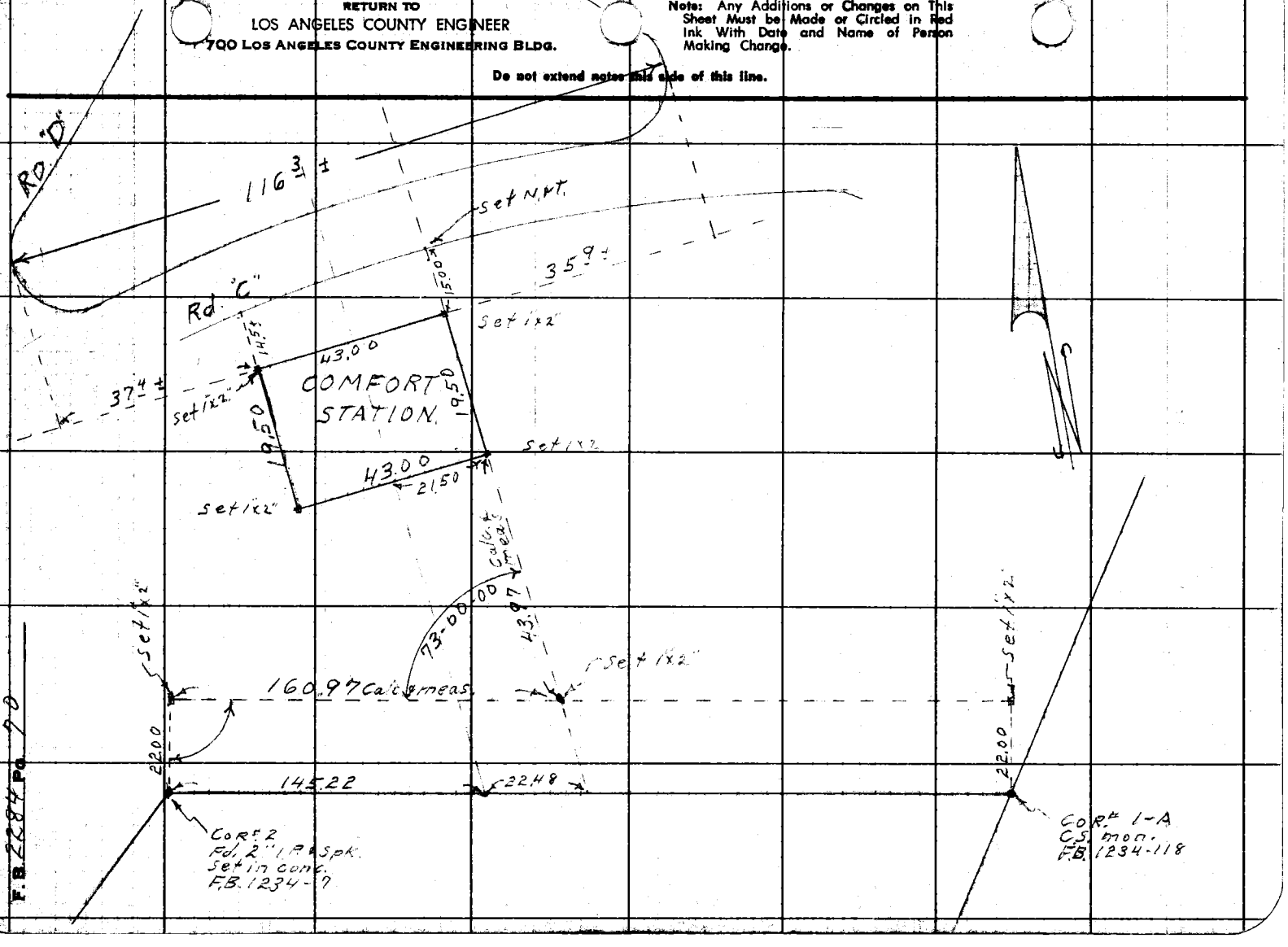
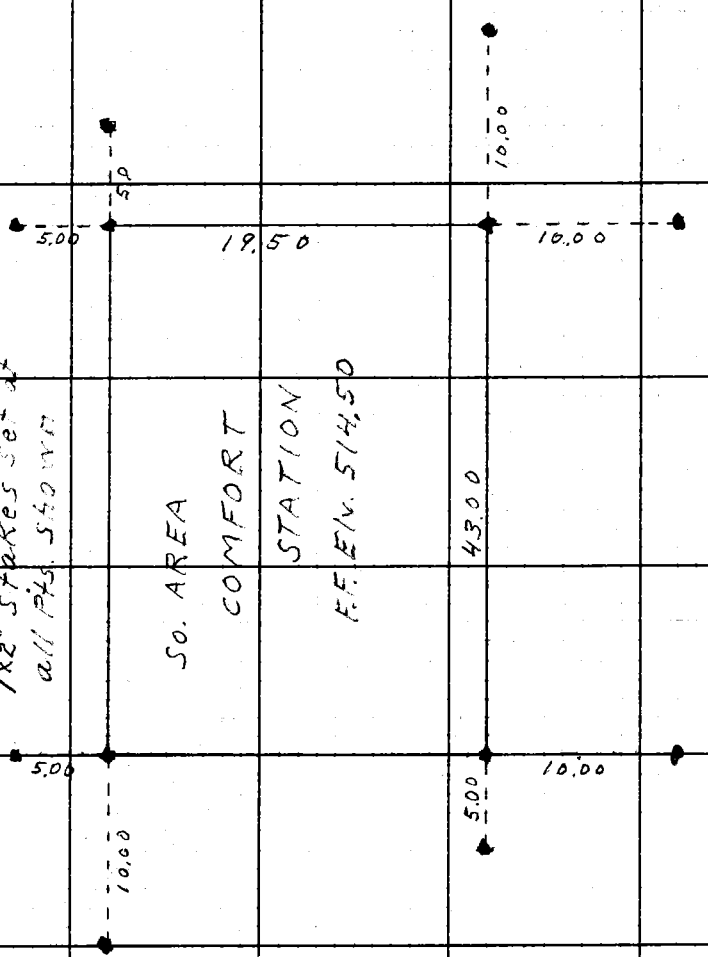


F.B. 2284 Pg. 20

Notes Ck'd by	Survey of Arboretum
Map No.	JN 0440.28 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 9-15-58
Date	Indexed C. Johnson

F. B. 2284 Pg. 71

DETAIL STAKING of So. AREA
COMFORT STATION
1"x2" stakes set at
all Pts. shown



So. AREA
COMFORT
STATION
F.F. Elv. 514.50

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76F3099 CE #247—3-57

F.B. 2284 Pg. 92

LOCATION OF 4" C.I. SEWERLINE
from
from south Comfort to Existing
Arcadia SewerLine

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Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. ____ Survey of Arboretum

Survey by D.E.H Notes A.R.B Date 9-15-58

Map No. ____ Indexed A. C. Johnson Date ____

F. B. 2284 Pg. 73

J.N. 87-70.28

ARBORETUM

Elev's Grades on Comfort Bldg.

South of Circle Rd.

STATION	B. S.	H. I.	F. S.	ELEV.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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76298 S & E #307—7.55

76298 S & E #307—7-55

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F. B. 2284 Pg. 74 Job No. 27422 Division No. 10 Notes Red. Plotted Profile
Survey of Arbaretum A.R.B. Date 9-15-58 Date X-Sec. No.
Survey by D.E.H Notes Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
					Grade	
					Elev. 516.67 Per F.B. 1845-202	
B.M.				516 67	Top of Brass Cap Mon. F.B. 1845-176	
					N. 3000 E. 4600	
					Finish Floor Elev - 514.50	
	043	517 10	391	516 19	514.50 S-1.31	N.E. Cor. 112
			387	516 83	514.50 E-0.67	5° off 50 ft N. "
			401	515 39	514.50 E. 1.41	" " " East "
			691	510 17	514.50 E. 4.31	S.E. Cor. "
			699	510 11	514.50 E. 4.39	10° off 50 ft E. "
			667	510 43	514.50 E 6.07	" " So. "
			670	510 17	514.50 E. 4.10	S.W. Cor. "
			661	509 49	514.50 E 6.01	10° off 50 ft So. "
			648	513 64	514.50 E-3.86	5° " W. "
			290	516 83	514.50 E 0.30	N.W. Cor. "
			334	516 93	514.50 E. 0.26	10° off 50 ft W. "
			209	516 93	514.50 E. 0.53	5° " " N. "
					Elev. 511.00 Per F.B. 1845-202	
			609	511 01	Top of Brass Cap Mon F.B. 1845-176	
					N. 2000 E. 4600	

Profile	Notes Red.	Plotted	Job No.	Division No.	F. B. 2284 Pg. 75
No.	Date	Date	Survey of		
X-Sec.	Notes Chkd.	Checked	Survey by	Notes	Date
No.	Date	Date	Map No.	Indexed K. C. Johnson	Date

J.N. 8744.01
ARBORETUM
Restaking New Wing of [illegible] Bldg
after prelim. excavation
Note offset stakes
set @ 10' offset & are 1x2'

STATION	B. S.	H. I.	F. S.	ELEV.

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76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	Grade	Cut & Fill	
					Elev. 542.23 F.B. 1845-184		
B.M.				542.23	Top C.E. Mon. N. 3600 E. 5600 F.B. 1845		
	044	542.67					
					Finish Floor Elv. 538.00		
			431	538.36	538.00	C. 0.36	N.W. Cor.
			409	538.58		C. 0.58	10° offset W.
			263	540.04		C. 2.04	" " N.
			493	537.74		F. 0.26	N.E. Cor.
			371	538.96		C. 0.96	10° offset. N.
			385	538.82		C. 0.82	" " East
							N.E. Cor. Elect. Room
			476	537.91		F. 0.07	10° offset N.
			440	538.27		C. 0.27	" " E.
							S.E. Cor. Area
			491	537.76		F. 0.24	10° offset E.
			510	537.57		F. 0.43	" " So.
			880	533.87		F. 4.13	S.E. Cor. Bldg.
			594	536.73		F. 1.27	10° offset E.
			676	535.91		F. 2.09	" " " So.
			971	532.96		F. 5.04	S.W. Cor. Bldg.
			1060	532.07		F. 5.93	10° offset. So.
			965	533.02		F. 4.98	" " W.

F. B. 2284 Pg. 76 Job No. 8744.01 Division No. 10 Notes Red. Plotted Profile
Survey of Arboretum Date 9-16-58 Date No.
Survey by D.E.H. Notes A.R.B. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

Profile	Notes Red.	Plotted	Job No. 8744.01	Division No. 10	F. B. 2284 Pg. 77
No.	Date	Date	Survey of Alberton		
X-Sec.	Notes Chkd.	Checked	Survey by D.E.H.	Notes A.R.B.	Date 9-16-58
No.	Date	Date	Map No.	Indexed H. C. Johnson	Date

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STATION	B. S.	H. I.	F. S.	ELEV.	
B.M.			286	539.81	Elev 539.81 F.B. 1845-184 Top C.E. Brass Cap Mon N-3600 E-5800 Par. F.B. 1845.

76298 S & E #307—7-55

Notes Ck'd by		Survey of Arboretum	F. B. 2284 Pg. 79
Map No.		JN Tape Std °F	
Office Work		Surveyed by D. E. Holmes	
Checked		Notes A.F.B Date 11-3-58	
Date		Indexed C. Johnson 7-30-59	

J.N. 7440.28

Arboretum

Location of 1¼" Electrical Conduit at most S'ly Comfort Station

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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76F308S CE #247—8-57

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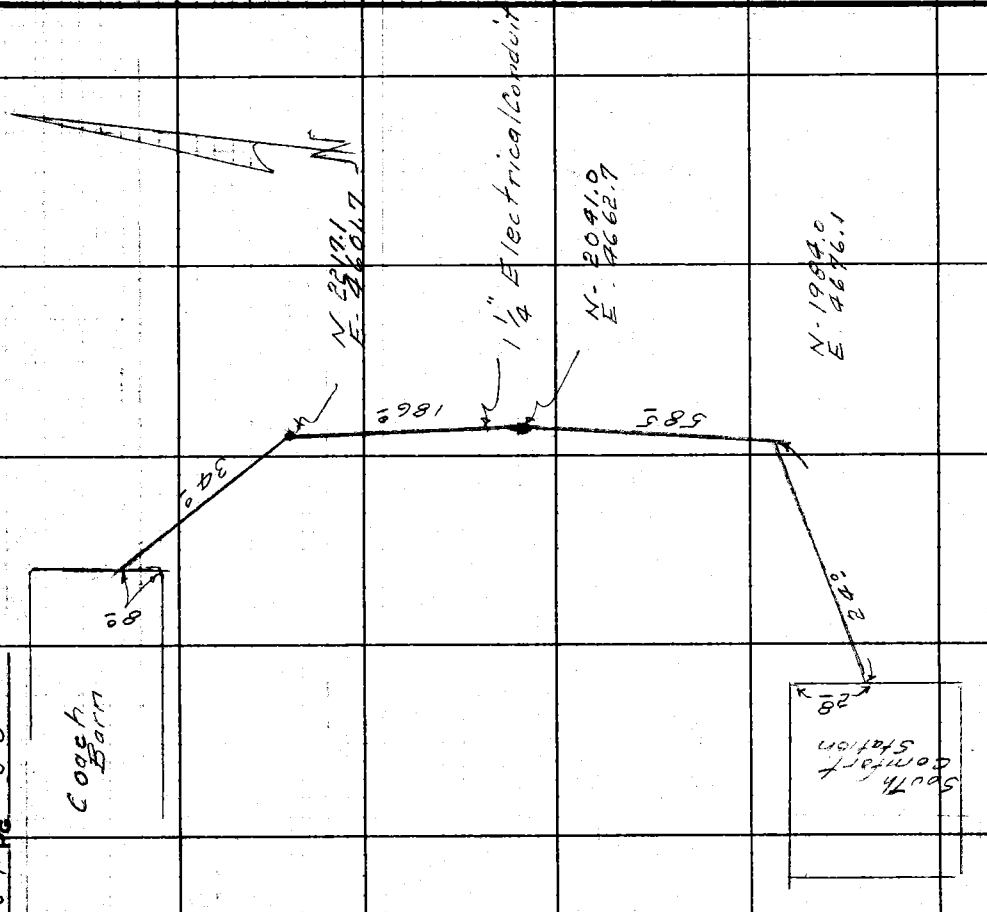
N. 2000
E. 4600



F.B. 22844 Pg. 60

2284-81

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of L.A. Co. Arboretum
W. O. 0818.07 Tape No. St'd. °F
Surveyed by M. Sotro
Notes Sotro Date 3-1-60
Indexed L. C. Johnson 6-14-60

F. B. 2284 PG. 81

LOCATION of INLET PIPES into MAIN CHANNEL @ ARBORETUM

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76F3068 S&E #247. 6&4

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726 LOS ANGELES COUNTY
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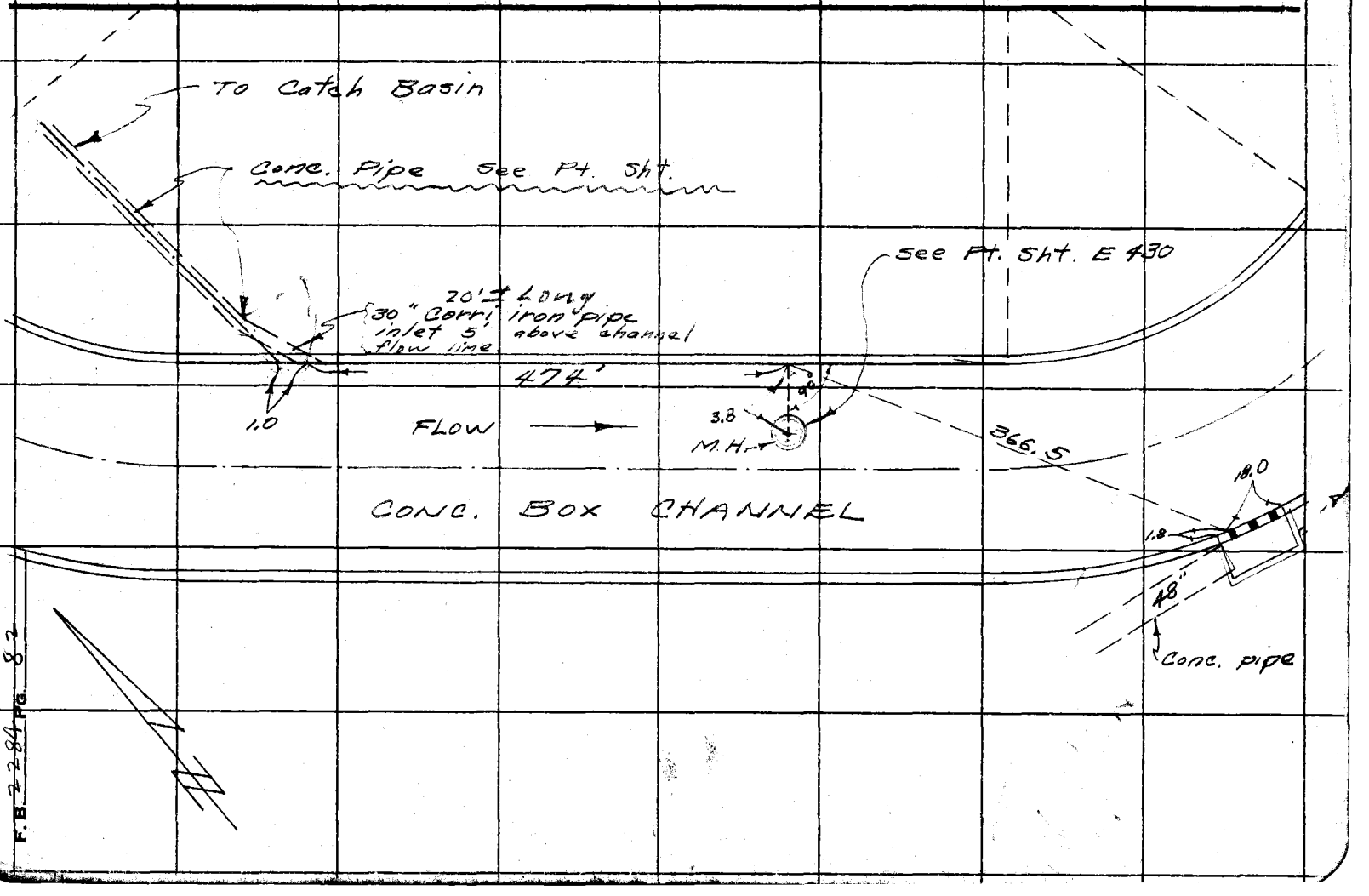

F.B. 3284 Pg. 82

Profile	Notes Red	Plotted	Job No. 874037	Division No.	F.B. 2284	Pg. 83
No.	Date	Date	Survey of ARBORETUM			
X-Sec.	Notes Chkd.	Checked	Survey by D.E. HOLMES	Notes M.A.W.	Date 1-18-61	
No.	Date	Date	Map No.	Indexed H. E. OH	Date OCT 23 '61	

Construction Stake
℄ per Plans

PROFILE OF
WEST ROAD

STATION	B.S.	H.I.	F.S.	ELEV.
				SET 1"x2" 15' TO RIGHT & LEFT OF ℄ = 5' OFFSET TO EDGE PVMT. D.E. HOLMES M.A. WALSH JR J.E. HENDERSON D.L. BROWN

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TBL-298 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.				
B.M	7 18	546 99		539 81	Top of Br. Cap Mon FB1845-166 N3600			
					E 5400 EL 539.81 FB 1845-184			
					%	GRADE	CUT OR FILL	
0+00			6 36	540 63		540.52	C/0.11 ✓	
						40.27		15' R
						" "		15' L
0+32						540.90		
						40.65		
						40.65		
0+35			4 71	542 28		540.95	C/1.33	
			3 98	543 01		40.70	C/2.27	15' R
			5 30	541 69		40.70	C/0.99 ✓	15' L
0+40			4 35	542 64		540.99	C/1.65	
			3 74	543 25		40.74	C/2.51	" R
			4 79	542 20		40.74	C/1.46	" L
0+50			4 49	542 50		541.06	C/1.44	
			4 09	542 90		40.81	C/2.09	" R
			4 68	542 31		40.81	C/1.50	" L
0+57						541.08		
						40.83		
						40.83		

F.B. 2284 Pg. 84
Job No. 8740.37 Division No. Notes Red Plotted Profile
Survey of Arboretum Date Date No. X-Sec.
Survey by D.E. Holmes Notes M.A. Walsh Jr. Notes Chkd. Checked
Indexed H.E. Ott Date Date Date No.

76L-298 CE 307 11-58

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Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 5744.37 Division No. ____
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Acoustum Survey by DE Hendee Notes MW Date 1-18-61
Map No. ____ Indexed LE OH Date ____

F.B. 11884 Pg. 85

STATION	B.S.	H.I.	F.S.	ELEV.	%	GRADE	CUT OR FILL	
0+75		546 99	5 10	541 89		541.08	C/0.81'	
			4 60	542 39		40.83	C/1.56'	15' R
			5 71	541 28		40.83	C/0.45'	" L
0+82						541.04		
						40.79		
						40.79		
1+00			5 42	541 57		540.86	C/ 0.71'	
	2 67	544 24	2 21	542 03		40.61	C/ 1.42'	15' R
			3 10	541.14		40.61	C/0.53'	" L
1+07						540.75		
						40.50		
						40.50		
1+25			3 64	540 60		540.42	C/0.18'	
			3 15	541 09		40.17	C/0.92'	15 R
			4 36	539 88		40.17	F/0.29'	" L
1+32						540.25		
						40.00		
						40.00		
1+50			4 81	539 43		539.80	F/0.37'	
			4 26	539 98 ✓		39.55	C/0.43'	15 R
			5 26	538 98		39.55	F/0.57'	" L

76L-298 CE 307 11-58

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F.B. 2284 Pg. 86 Job No 874037 Division No. Notes Red Plotted Profile
Survey of Arcadia Tun Date Date No. X-Sec.
Survey by Hyde Notes M.H. Hudson Jr. Notes Chkd. Checked
Indexed H.E.O.N. Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
1+75		544 24	4 77	539 47	539.18	C/0.29	
			3 98	540 26	38.93	C/1.33	15 R
			5 38	538 86	38.93	F/0.07	" L
2+00			5 09	539 15	538.55	C/0.60	
			4 57	539 67	38.30	C/1.37	15 R
			5 44	538 80	38.30	C/0.50	
2+25			5 43	538 81	537.93	C/0.88	
			4 98	539 26	37.68	C/1.58	15 R
			6 85	538 39	37.68	C/0.71	" L
2+50			6 18	538 06	537.30	C/0.76	
			5 99	538 25	37.05	C/1.20	15 R
			6 75	537 49	37.05	C/0.44	" L
2+75			6 84	537 40	536.68	C/0.72	✓
			6 50	537 74	36.43	C/1.31	15 R
			7 64	536 60	36.43	C/0.17	
3+00			7 96	536 28	536.05	C/0.23	
			6 89	537 35	35.80	C/1.55	15 R
			8 46	535 78	35.80	F/0.02	" L
TP 3+25			8 04	536 20	535.43	C/0.77	
	1 10	537 30	030	537 00	35.18	C/1.82	15 R
			1 80	535 50	35.18	C/0.32	" L

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	% GRADE	CUT OR FILL	
3+50		537 30	1 20	536 10	534.80	C/ 1.30	
			0 46	536 84	34.55	C/ 2.29	15' R
			2 11	535 19	34.55	C/ 0.64	" L
3+75			1 16	536 14	534.18	C/ 1.96	
			0 16	537 14	33.93	C/ 3.21	15' R
			1 84	535 46	33.93	C/ 1.53	" L
4+00			1 41	535 89	533.55	C/ 2.34	
			0 89	536 41	33.30	C/ 3.11	15' R
			2 26	535 04	33.30	C/ 1.74	" L
4+25			2 09	535 21	532.93	C/ 2.28	
			1 84	535 46	32.68	C/ 2.78	15' R
			3 00	534 30	32.68	C/ 1.62	" L
4+50			3 50	533 80	532.30	C/ 1.50	
			2 87	534 43	32.05	C/ 2.38	15' R
			4 09	533 21	32.05	C/ 1.16	" L
4+52					532.25		
					32.00		15' R
					32.00		" L
4+75			5 18	532 12	531.74	C/ 0.38	
			4 40	532 90	31.49	C/ 1.41	15' R
			5 85	531 45	31.49	F/ 0.04	" L

Profile Notes Red ____ Plotted ____ Job No. 874037 Division No. ____
No. ____ Date ____ Date ____ Survey of ARBORETUM
X-Sec. Notes Chkd. ____ Checked ____ Survey by DE HOLMES Notes MAW Date 1-18-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2284 PG. 87

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL		
4+77		537 30			531.68			
					31.43		15' R	
					31.43		" L	
5+00			6 70	530 60	531.26	F/ 0.66	℄ PVMT	
			6 25	531 05	31.01	C/ 0.04	15' R	PVMT
			7 14	530 16	31.01	F/0.85	" L	"
5+02					531.22			
					30.97		15' R	
					30.97		" L	
5+25			5 42	531 88	530.86	C/1.02		
			5 00	532 30	30.61	C/1.69	15' R	
			5 86	531 44	30.61	C/0.83	" L	
5+50			4 36	532 94	530.46	C/2.48		
			4 13	533 17	30.21	C/2.96	15' R	
			4 93	532 37	30.21	C/2.16	" L	
5+75			4 23	533 07	530.06	C/3.01		
			3 93	533 37	29.81	C/3.56	15' R	
			4 70	532 60	29.81	C/2.79	" L	
6+00			4 30	533 00	529.66	C/3.34		
			3 94	533 36	29.41	C/3.95	15' R	
			4 59	532 71	29.41	C/3.30	" L	

F. B. 2284 Pg. 88
Job No. 874037 Division No. ____ Notes Red ____ Plotted ____ Profile
Survey of Arboretum Date ____ Date ____ No. ____
Survey by D.E. Holmes Notes M.A. Walsh Jr. Notes Chkd. ____ Checked ____ X-Sec.
Indexed H. E. Ott Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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Profile No.____ Notes Red____ Date____ Plotted____ Date____ Job No. 8716.32 Division No.____
X-Sec. No.____ Notes Chkd____ Date____ Checked____ Date____ Survey of Arroyo Seco Survey by R.E. Hanes Notes E.H. Date 1-18-61
Map No.____ Indexed____ Date____

F.B. 12284 Pg. 89

STATION	B.S.	H.I.	F.S.	ELEV.	% GRADE	CUT OR FILL	
6+25		537 30	4 75	532 55	529.26	C/3.29	
			4 58	532 72	529.01	C/3.71	15' R
			5 20	532 10	529.01	C/3.09	" L
6+27					529.22		
					28.97		15' R
					28.97		" L
6+50			5 28	532 02	528.76	C/3.26	
			5 33	531 97	28.51	C/3.46	15' R
			5 55	531 75	28.51	C/3.24	" L
6+52					528.70		
					28.45		15' R
					28.45		" L
6+75			6 50	530 80	528.01	C/2.79	
			6 34	530 96	27.76	C/3.20	15' R
			6 49	530 81	27.76	C/3.05	" L
6+77					527.93		
					27.68		15' R
					27.68		" L
7+00			7 85	529 45	527.03	C/2.42	
			8 47	528 83	26.78	C/2.05	15' R
			7 63	529 67	26.78	C/2.89	" L

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STATION	B.S.	H.I.	F.S.	ELEV.	% GRADE	CUT OR FILL	
7+02		537 30			526.92		
					26.67		15' R
					26.67		" L
TP 7+25			10 29	527 01	525.79	C/1.22	
	1 86	528 87	2 58	526 29	25.54	C/0.75	15' R
			1 35	527 52	25.54	C/1.98	" L
7+27					525.67		
					25.42		15' R
					25.42		" L
7+50			4 43	524 44	524.42	C/0.02	
			4 99	523 88	24.17	F/0.29	15' R
			3 90	524 97	24.17	C/0.80	" L
7+75			6 72	522 15	523.02	F/0.87	
			6 98	521 89	22.77	F/0.88	15' R
			6 50	522 37	22.77	F/0.40	" L
7+90.09					522.20		
					21.95		15' R
					21.95		" L
8+00			8 11	520 76	521.67	F/0.91	
			7 93	520 94	21.42	F/0.48	15' R
			8 25	520 62	21.42	F/0.80	" L

F.B. 2284 Pg. 90
Job No. 874037 Division No. Notes Red Plotted Profile
Survey of ARBORETUM Date Date No.
Survey by D.E. Holmes Notes M.A. Walsh Jr. Notes Chkd. Checked X-Sec.
Indexed H. E. Ott Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	% GRADE	CUT OR FILL	
8+10		528 87			521.15		
					20.90		15'R
					20.90		" L
8+25			9 03	519 84	520.16	F/0.62	
			8 42	520 45	20.21	C/0.24	15'R
			9 45	519 42	20.21	F/0.79	" L
8+30.09					520.21		
					19.96		15'R
					19.96		" L
8+50			9 94	518 93	519.37	F/0.44	
			9 54	519 33	19.12	C/0.21	15'R
			10 23	518 64	19.12	F 0.48	" L
8+70.09					518.62		
					18.37		15'R
					18.37		" L
8+75			10 94	517 93	518.45	F/0.52	
			10 03	518 84	18.20	C/0.64	15'R
			11 35	517 52	18.20	F/0.68	" L
TP 9+00			11 50	517 37	517.59	F/0.22	
	4 94	522 31	4 27	518 04	17.34	C/0.70	15'R
			5 56	516 75	17.34	F/0.59	" L

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8740.37 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of ARBORETUM
Notes Chkd. ____ Checked ____ Survey by DE HOLMES Notes [illegible] Date 1-18-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2284 Pg. 91

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	% GRADE	CUT OR FILL	
9+15.43		522 31	5 49	516 82	517.06	F/0.24	EC
			4 73	517 58	16.81	C/0.77	15' R
			5 79	516 52	16.81	F/0.29	" L
9+25			5 71	516 60	516.73	F/0.13	
			5 05	517 26	16.48	C/0.78	15' R
			6 06	516 25	16.48	F/0.23	" L
9+50			6 50	515 81	515.87	F/0.06	
			6 19	516 12	15.62	F/0.50	15' R
			6 84	515 47	15.62	F/0.15	" L
9+75			7 69	514 62	515.01	F/0.39	
			7 44	514 87	14.76	C/0.11	15' R
			7 90	514 41	14.76	F/0.35	" L
10+00			8 47	513 84	514.15	F/0.31	
10+02.61			8 50	513 81	514.01	F/0.20	
			8 41	513 90	13.76	C/0.14	15' R
			8 55	513 76	13.76	GRADE	" L
$\frac{\Delta}{2}$			8 92	513 39			R
$\frac{\Delta}{2}$			9 27	513 04			L
10+26.4			10 42	511 89	513.30	F/1.41	ECR
			10 16	512 15	512.15		35 R
			10 73	511 58	511.58	[illegible]	" L

F.B. 2284 PG. 92
Job No. 874037 Division No. ____ Notes Red ____ Plotted ____ Profile
Survey of ARBORETUM Date ____ Date ____ No. ____
Survey by D.E. HOLMES Notes M.A. WALSH Jr. Notes Chkd. ____ Checked ____ X-Sec.
Indexed H.E. OTT Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
10+36.34		522.31	10.71	511.60		℄ INT EXISTING Rd
BM			7.68	514.63	Tp of Br. Cap. Mon FB 1845-170	
					N 3000 E 4800 El 514.64 FB1845-182	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 8740.37 Division No. ____
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of ARBORETUM
Survey by R.E. Holmes Notes M.A.W. Date 1-18-61
Map No. ____ Indexed H. E. Ott Date ____

F.B. 1784 Pg. 93

Profile No. ____ X-Sec. No. ____

Notes Red ____ Date ____ Notes Chkd ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. 5203 Division No. ____

Survey of ARBORETUM

Survey by D E Holmes Notes M.A.W. Date 2-7-61

Map No. ____ Indexed H. E. OTT Date OCT 23 '61

F. B. 2281 Pg. 95

& Per Plans

ACCESS ROAD

BETWEEN EAST COADWAY & PARKING LOT

D.E Holmes
M.A Walsh Jr
J.E. Henderson
D.L. Brown

STATION	B. B.	H. I.	F. B.	ELEV.

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76L-298 S & E #307—1-56

F. B. 12284 Pg. 96 Job No 5748037 Division No. Profile

Survey of [illegible] No. X-Sec.

Survey by [illegible] Notes M. A. Hansen Notes Chkd. Checked No.

Indexed d. E. Ott Date Date Date

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
BC 2+66.70	2 50	533 14		530 64	528.73	C/1.91	
			2 37	530 77	2880	C/1.97	15 L
PT 2+83.23			2 85	530 29	528.70	C/1.59	
			2 38	530 56	28.70	C/1.86	15 L
EC 2+97.76			3 18	529 96	527.55	C/2.41	
			2 88	530 26	27.80	C/2.46	15 L
Δ/2 5°R 3+07.45			3 75	529 39	52650	C/2.89	
BC 5°R 3+25			3 75	529 39	52710	C/2.29	BC 5°R R 27.73 Lt. 28.10
					52798		
BC 3+35.48			2 70	528 78	528.10	C/0.68	BC 25° R
EC 3+45.93			3 98	529 16	528.40	C/0.76	EC 25° R
			2 96	530 18	52860	C/1.58	15' L
			3 33	529 81	52912	C/0.69	Δ/2 25° R
			3 50	529 64	Grade		Join
Δ/2 25° R			4 90	528 24	527.80	C/0.44	
True Join			5 64	527 50	Grade		
EC 25° R 3+50			5 60	527 54	527.50	C/0.04	
			6 16	526 98			check no

F.B. 2284 PG. 97

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 874037 Division No. ____ Survey of ARBORETUM

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by D.E. Holmes Notes MAW Date 2-6-61 Map No. ____ Indexed H. E. Ott Date OCT 23 61

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STATION	B.S.	H.I.	F.S.	ELEV.	
					℄ Per Plans
					PROFILE OF PROPOSED EAST ROAD
					D.E. HOLMES M.A. WALSH JR. J HENDERSON D.L. BROWN
					SET 1"x2" 15' ℄ RIGHT & LEFT of ℄ = 5' offset to Edge Road.

761-298 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.				
BM	2 71	542 52		539 81	Top of Br. Cap Mon FB 1845-166			
					N 3600 E 5400 EL 539.81 FB 1845			
					FB 1845-184			
					%	Grade	Cut or Fill	
0+00			1 83	540 69		540.52	C/0.17	
			0 98	541 54		40.27	C/1.27	15 L
0+25						539.47		
						39.22		15 R
						39.22		15 L
BC 0+47.95			3 78	538 74		538.43	C/0.31	
						38.18		15 R
						38.18		" L
0+50			3 18	539 34		38.42	C/0.92	
			4 35	538 17		38.17	Grade	15 R
			2 95	539 57		38.17	C/1.40	" L
0+75			4 26	538 26		37.37	C/0.89	
			5 27	537 25		37.12	C/0.13	15 R
			3 43	539 09		37.12	C/1.97	" L

F. B. 2284 Pg. 98
Job No. 8740.37 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Arboretum Date ____ Date ____ No. ____
Survey by D. E. Holmes Notes M. A. Walsh Jr. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. OTT Date ____ Date ____ No. ____

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
		542 52					
1+00			4 53	537 99	536.32	C/1.67	
			5 38	537 14	36.07	C/1.07	15 R
			4 02	538 50	36.07	C/2.43	" L
1+25			5 26	537 26	535.27	C/1.99	
			5 83	536 69	35.02	C/1.67	15 R
			4 69	537 83	35.02	C/2.81	" L
1+50			6 21	536 31	534.22	C/2.09	
			6 85	535 67	33.97	C/1.70	15 R
			5 69	536 83	33.97	C/2.86	" L
1+75			7 26	535 26	33.17	C/2.09	
			7 72	534 80	32.92	C/1.88	15 R
			7 08	535 44	32.92	C/1.52	" L
EC 1+97.91			8 81	533 71	32.13	C/1.58	
			9 17	533 35	31.88	C/1.47	15 R
			8 58	533 94	31.88	C/2.06	" L
2+00			8 95	533 57	32.12	C/1.45	
			9 23	533 29	31.87	C/1.42	15 R
			8 61	533 91	31.87	C/2.04	" L

Profile Notes Red. ____ Plotted ____ Job No. 874037 Division No. ____ F. B. 2284 Pg. 99
No. ____ Date ____ Date ____ Survey of Resurvey
X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E. Hunter Notes M.A.W. Date 2-6-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	%	GRADE	CUT OR FILL	
		542.32						
2+25			10 47	532 05		531.05	C/1.00	
			10 30	532 22		30.80	C/1.42	15 R
			10 48	532 04		30.80	C/1.24	" L
BC 2+41.95			11 42	531 10		529.85	C/1.25	
			11 22	531.30		29.60	C/1.70	15R
			11 47	531 05		29.60	C/1.45	" L
2+50			11 55	530 97		529.77	C/1.20	
			11 31	531 21		29.52	C/1.69	15 R
TP			11 53	530 99		29.52	C/1.47	" L
BC 2+66.70	2 59	533 58	2 94	530 64		528.73	C/1.91	
2+75			3 06	530 52		528.20	C/2.32	
			3 08	530 50		27.95	C/2.55	15R
3+00			3 92	529.66		526.33	C/3.33	
			3 95	529 63		26.08	C/3.55	15 R
3+08.3±			4 31	529 27		525.69	C/3.58	
			4 25	529 33		25.89	C/3.44	15L
3+25			5 22	528 36		24.20	C/4.16	
			5 40	528 18		23.95	C/4.23	15R
			5 13	528 45		24.45	C/4.00	" L

F. B. 2284 Pg. 100 Job No. 8740.37 Division No. Notes Red. Plotted Profile
Survey of Arboretum Date Date No.
Survey by H.E. Holdes Notes M. A. Wolsh Jr. Notes Chkd. Checked X-Sec.
Indexed H. E. Ott Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	% Grade	Cut or Fill	
		533 58					
3+50			6 61	526 97	522.20	C/4.77	
			6 74	526 84	521.95	C/4.89	15 R
3+75			7 44	526 14	520.87	C/5.27	
			7 55	526 03	20.62	C/5.41	15 R
4+00			8 69	524 89	520.26	C/4.63	
			9 46	524 12			15 R
EC 4+05.11			8 80	524 78	520.22	C/4.56	
			9 56	524 02	520.02	C/4.00	15 R
			8 70	524 88	20.42	C/4.46	" L
BC			5 73	527 85	523.16	C/4.69	15' R. Curve Edge Point
$\frac{\Delta}{2}$			5 93	527 65	522.81	C/4.84	"
E.C.			6 12	527 46	522.40	C/5.06	"
E.C.			6 45	527 13	522.40	C/4.73	"
5' OFF			7 79	525 79	521.12	C/4.67	5' OFF E. Edge Pt. @ ½ Pt
4+25			9 75	523 83	520.20	C/3.63	
			9 73	523 85	520.00	C/3.85	15 R
			9 86	523 72	520.40	C/3.32	" L
4+50			9 57	524 01	520.20	C/3.81	
			9 38	524 20	520.00	C/4.20	15 R
			9 94	523 64	20.40	C/3.24	" L

Profile Notes Red. ____ Plotted ____ Job No. 87403T Division No. ____
No. ____ Date ____ Date ____ Survey of Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by U.E. Reeves Notes M.A.W. Date 2-6-61
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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F. B. 2284 Pg. 101

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
		533.58					
4+65.64			9 54	524 04	520.20	C/3.84	
			9 26	524 32	20.00	C/4.32	15 R
			9 91	523 67	20.20	C/3.27	" L
4+75			9 56	524 02	520.20	C/3.82	
			9 34	524 24	20.00	C/4.24	15 R
			9 95	523 63	20.40	C/3.23	" L
5+00					520.20		
					20.00		
					20.40		
5+25			10 18	523 40	520.20	C/3.20	
			10 22	523 36	20.00	C/3.36	15 R
			10 39	523 19	20.40	C/2.79	" L
TP 5+50			11 34	522 24	520.16	C/2.08	
	2 13	524 37	1 82	522 55	19.91	C/2.64	15 R
			1 88	522 49	20.30	C/2.19	" L
5+75			2 62	521 75	520.02	C/1.73	
			2 76	521 61	19.77	C/1.84	15 R
			2 79	521 56	20.12	C/1.44	" L

F. B. 2184 Pg. 102 Job No. 8740.37 Division No. Notes Red. Plotted Profile
Survey of Arbeletum Date Date No. X-Sec.
Survey by D. E. Hoover Notes M. A. Walsh Jr. Notes Chkd. Checked
Indexed H. E. Ott Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	% Grade	Cut or Fill		
		524 37			0			
6+00			3 19	521 18		519.76	C/1.42	
			3 25	521 12		19.51	C/1.61	15 R
			3 37	521 00		19.76	C/1.24	" L
6+25			3 73	520 64		519.39	C/1.25	
			3 65	520 72		19.14	C/1.58	15 R
			3 92	520 45		19.30	C/1.15	" L
6+50			3 58	520 79		518.90	C/1.89	
			4 37	520 00		18.65	C/1.35	17 R
			4 31	520 06		18.80	C/1.26	15 L
6+75			4 21	520 16		518.30	C/1.86	
			4 32	519 [illegible]		18.05	C/1.50	15 R
			4 52	519 85		18.10	C/1.75	" L
7+00			5 38	518 [illegible]		517.60	C/1.39	
			5 90	518 47		17.35	C/1.12	15 R
			5 14	519 23		17.35	C/1.88	" L
7+25			6 57	517 80		516.77	C/1.03	
			6 79	517 58		16.52	C/1.06	15 R
			6 26	518 11		16.52	C/1.59	" L

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 87/037 Division No. Survey of Aerokrytus Survey by [illegible] Map No. Notes [illegible] Date 2-6-61 Indexed H. E. OTT Date

F. B. 2284 Pg. 103

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
		524 37					
7+50			8 80	515 57	515.85	F/0.28	bole
			8 14	516 23	15.60	C/0.63	15 R
			7 50	516 87	15.60	C/1.27	" L
7+75			9 42	514 95	514 79	C/0.16	
			9 44	514 93	14.54	C/0.39	15 R
			9 10	515 27	14.54	C/0.73	" L
8+00			10 54	513 83	513.63	C/0.20	
			10 73	513 64	13.38	C/0.26	15 R
			10 47	513 90	13.38	C/0.52	" L
TP 8+25			12 02	512 35	512.42	F/0.07	
	3 79	516 14	3 81	512 33	12.17	C/0.16	15 R
			3 67	512 47	12.17	C/0.30	" L
8+50			4 93	511 21	511.20	C/0.01	
			5 09	511 05	10.95	C/0.10	15 R
			4 68	511 46	10.95	C/0.51	" L
BL 8+61.00			5 53	510 61	510.67	F/0.06	
			5 58	510 56	10.42	C/0.14	15 R
8+75			6 29	509 85	510.00	F/0 15	
			6 04	510 10	09.75	C/0.35	15 L

F. B. 2284 Pg. 104 Job No. 8740.37 Division No. Notes Red. Plotted Profile
Survey of Arboretum Date Date No. X-Sec.
Survey by D. E. Hoag Notes B. A. Hansen Jr. Notes Chkd. Checked No.
Indexed H. E. OTT Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.	% GRADE	CUT OR FILL	
		516 14					
BC 8+83.45			6 49	509 65	509.34	C/0.31	
			6 36	509 78	09.09	C/0.69	15 L
$\frac{\Delta}{2}$ ON RT.			6 39	509 75	509.56	C/0.19	
$\frac{\Delta}{2}$ ON LEFT			6 67	509 47	508.58	C/0.89	
JOIN ON RT			7 44	508 70	GRADE		
" " LEFT			8 07	508 07	GRADE		
BM			8 08	508 06	Top Br Cap 1845-169 N 2800 E 5200		
					EL 508.08 FB 1845-192		

Profile Notes Red. Plotted Job No. 87M0.35 Division No.
No. Date Date Survey of Arborg [illegible]
X-Sec. Notes Chkd. Checked Survey by D.E. Holmes Notes M.A.K. Date 2-7-61
No. Date Date Map No. Indexed H. E. ON Date

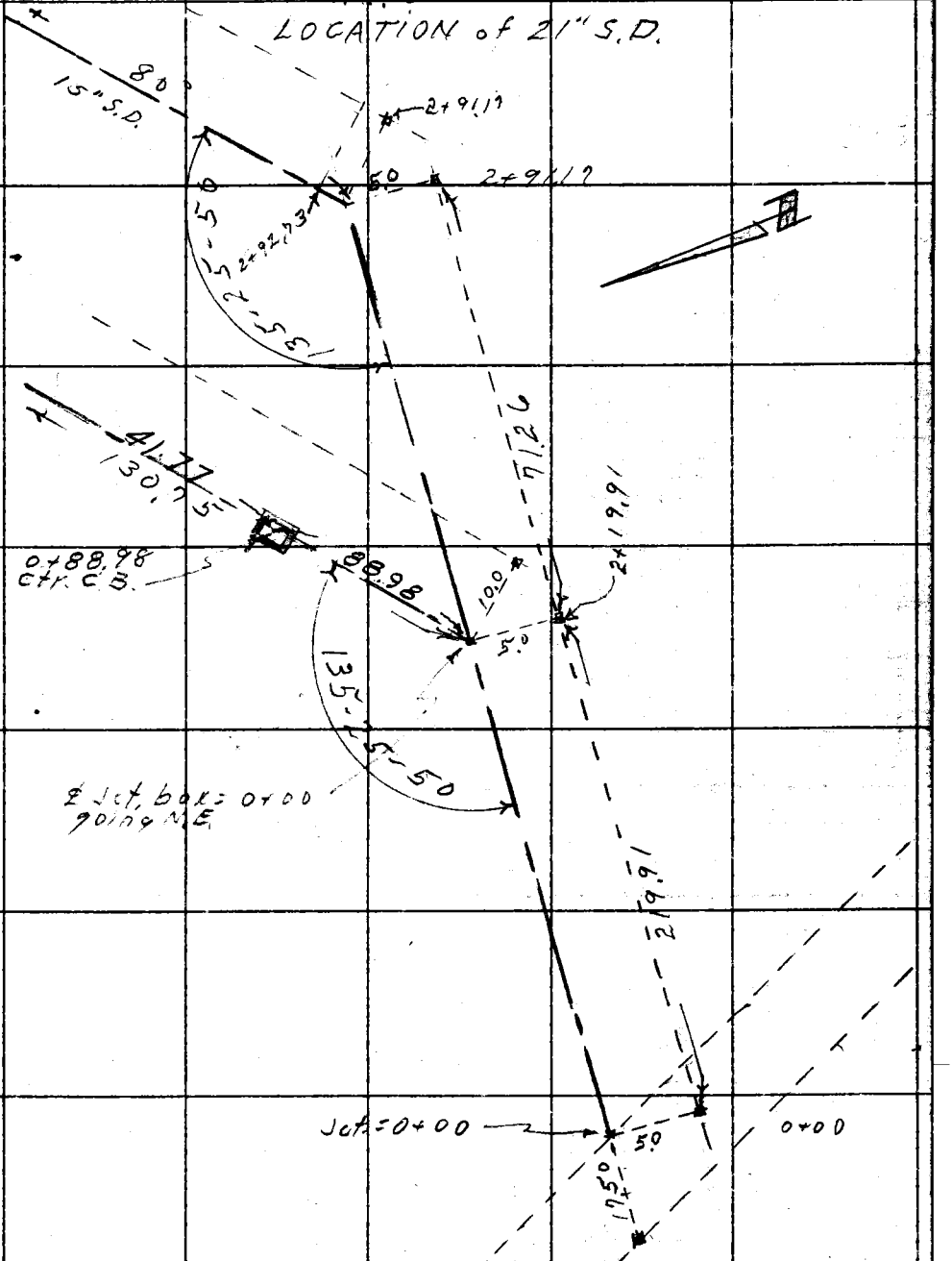
F. B. 2284 Pg. 105

Notes Ck'd by	Survey of Arboretum
Map No.	JN 8740.37 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 2-20-68
Date	Indexed H. E. OTT OCT 2 3 '81

F. B. 2284 PG. 107

J.N. 8740.37

LOCATION of 21" S.D.



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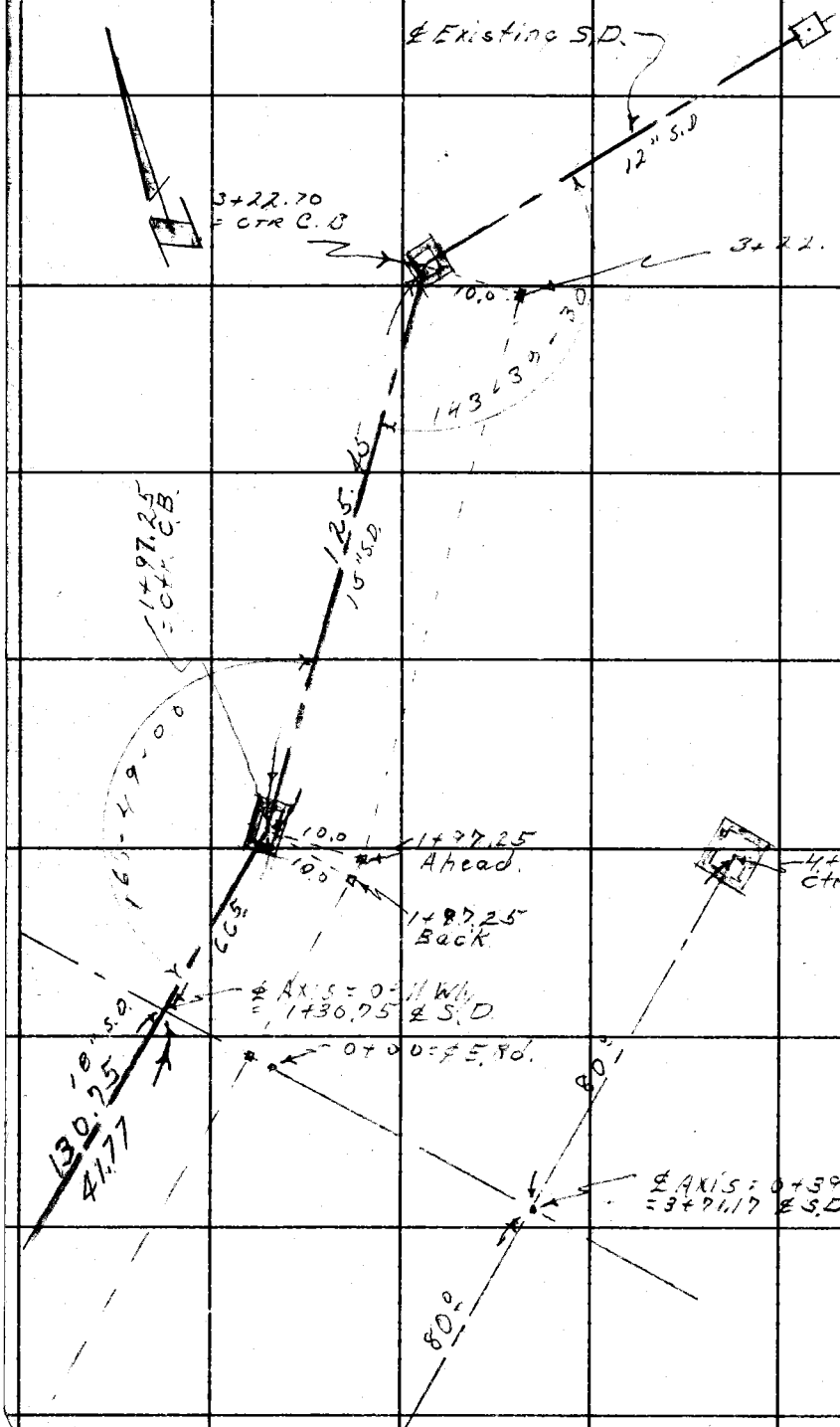
76F3095 S&E #247 11-58

F. B. 1284 Pg. 108



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F. B. 2201 Pg. 109

Profile No. | Notes Red. Date | Plotted Date | Job No. 8740.37 | Division No.
X-Sec. No. | Notes Chkd. Date | Checked Date | Survey of Storm Drain | Survey by D.E. Holmes Notes M.A.W. Date 2-20-61 | Map No. | Indexed H. E. ON OCT 23 '61 Date

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
Storm Drain				
Elevs. of Grates on 12", 15", 18", 21"				
D.E. Holmes M.A. Walsh Jr J.E. Henderson D.L. Brown				

76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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21" Storm Drain goes to 2+91.17 **Do not extend notes this side of this line.**

STATION	B. S.	H. I.	F. S.	ELEV.	% Grade, Cut or Fill		1x2" 5' Rt of Line
BM	T32	522.70		515.38	Tp. Br. Cap Mon FB1845-182		N.3000 E5200
0+00					501.00		
0+05			8.47	514.21	501.16	C / 13.05	
0+25			7.70	515.00	501.82	C / 13.18	
0+50			6.60	516.10	502.64	C / 13.46	
0+75			5.67	517.03	503.46	C / 13.57	
1+00			4.84	517.86	504.27	C / 13.59	
1+25			3.77	518.93	505.09	C / 13.84	
1+50			3.17	519.53	505.91	C / 13.62	
1+75			2.43	520.27	506.73	C / 13.54	
2+00			2.04	520.66	507.55	C / 13.11	
2+19.91			1.53	521.17	508.20	C / 12.97	INT w/ Rd
2+25			1.48	521.22	508.29	C / 12.93	
2+50			0.99	521.71	508.85	C / 12.86	
2+75			1.31	521.39	509.42	C / 11.97	
Back 2+91.17			1.23	521.47	509.80	C / 11.67	
BM			3.29	519.41	Tp. Br. Cap Mon. 1845-182 Elv. 519.37		N. 3000 E5400

3.274 %

2.245 %

Note new staking from 2+00 on See next Pg.

F. B. 2284 Pg. 110 Job No. 87403 Division No. Notes Red. Plotted Profile
Survey of Arboretum Date Date No.
Survey by D.E. Holmes Notes M.A. Walsh Jr. Notes Chkd. Checked X-Sec.
Indexed H.E. Ott Date Date Date No.

76L-298 S & E #307—1-56

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21" & 15" STORM

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.				
BM	6 17	525 54		519 37	Top C.E. mon Elv. 519.37 N-3000. E-5400			
					F.B. 1845 Pg. 182			
					%	GRADE	CUT OR FILL	NOTE: 1"x2" 10' Rt of LINE
2+00			4 84	520 70	2.245	507.55	c/ 13.15	
2+19.91			6 34	519 20		508 20	c/ 11.00	
+25			6 20	519 34		508 29	c/ 11 05	
+50			3 90	521 64		508 85	c/ 12 79	
+75			4 61	520 93		509 42	c/ 11.51	
2+91.17	BACK		6 30	519 24		509 80	c/ 10 44	
2+91.17	AHEAD		8 47	517 07	2.00 %	509.80	c/ 7 27	
2+92.73			8 48	517 06		509.83	c/ 7.23	
3+00			8 30	517 24		509.98	c/ 7.26	
+25			8 20	517 34		510.48	c/ 6.86	
+50			8 30	517 24		510.98	c/ 6.26	
3+71.17			8 50	517 04		511.40	c/ 5.64	
3+75			8 48	517 06		511.48	c/ 5.58	
4+00			8 45	517 09		511.98	c/ 5.11	
+25			8 36	517 18		512 48	c/ 5.70	
4+49.61			8 18	517 36		512 97	c/ 4.39	
4+51.17			8 22	517 32		513 00	c/ 4.32	
BM			6 17	519 37	Tp Br Cap Mon FB 1845-182 N3000, E5400			

Profile Notes Red. ____ Platted ____ Job No. 87403 Division No. ____ F. B. 2284 Pg. 111

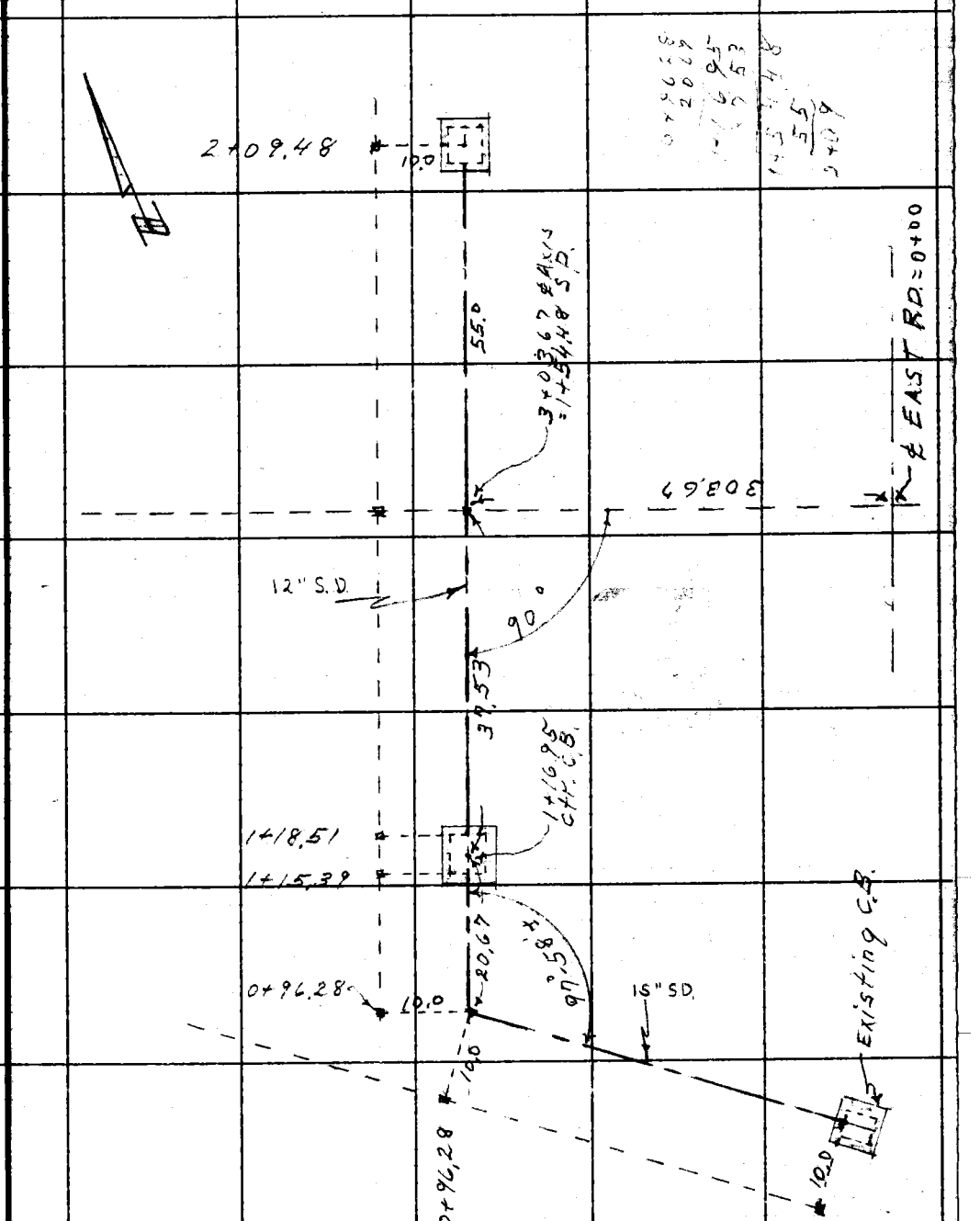
No. ____ Date ____ Date ____ Survey of ARBORETUM

X-Sec. Notes Chkd. ____ Checked ____ Survey by D.E. HOLMES Notes M & W Date 2-28-61

No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

B. E. Off

Notes Ck'd by	Survey of ARBORETUM	F. B. 2284 PG. 113
Map No.	JN E740.37 Tape Std °F	
Office Work	Surveyed by HOLMES	
Checked	Notes HOLMES Date 2-61	
Date	Indexed H. E. OTT OCT 23 '61	



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76F309S S&E #247 11-58

Profile No.	Notes Red.	Plotted	Job No. 87-1037	Division No.	F. B. 2284 Pg. 115
	Date	Date	Survey of Arboretum		
X-Sec. No.	Notes Chkd.	Checked	Survey by D.E. Holmes	Notes M.A.W.	Date 3-2-61
	Date	Date	Map No.	Indexed H. E. OTT	Date OCT 23 '61

12" & 15" STORM DRAIN

D.E. HOLMES
M.A. WALSH JR
J.E. HENDERSON
D.L. BROWN

STATION	B. S.	H. I.	F. S.	ELEV.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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F. B. 2284 Pg. 116 Job No. 8710-37 Division No. Notes Red. Plotted Profile
Survey of Acoaretum Date No. X-Sec.
Survey by Fellows Notes MA Wasowski Notes Chkd Checked
Indexed H. E. Ott Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.			
BM	1.86	530.21		528.35	TP. Br. Cap Mon. FB 1845-183 N3400, E5200		
					% Grade	Cut or Fill	
0+00			9.49	520.72		512.75	C - 7.97
+25			9.62	520.59		513.26	C - 7.33
+50			9.24	520.97		513.77	C - 7.20
+75			8.27	521.94		514.28	C - 7.66
0+96.28	Back		7.11	523.10		514.72	C - 8.38
0+96.28	Ahead		6.72	523.49		514.72	C - 8.77
1+00			6.78	523.43		515.44	C - 8.29
1+15.39			6.17	524.04		518.40	C - 5.64
1+18.51			6.14	524.07		518.74	C - 5.33
1+25			5.92	524.29		518.92	C - 5.37
1+50			5.81	524.40		519.62	C - 4.68
1+54.48			5.78	524.43		519.75	C - 4.68
1+75			5.66	524.55		520.32	C - 4.23
2+00			5.37	524.84		521.02	C - 3.82
2+09.48			4.35	525.86		521.30	C - 4.56
BM			1.86	528.35	TP. Br. Cap Mon. F.B. 1845-183 N3400, E5200		

Note
16" waterline Top of Pipe Elv. = 519.97

	New Grades	Cut
14295 ctr 16" water	520.14	3.81
1,455	520.80	3.75
	521.17	3.67
	521.30	4.56

Profile No.	Notes Red.	Plotted	Job No. 874037	Division No.
	Date	Date	Survey of Arboretum	
X-Sec. No.	Notes Chkd.	Checked	Survey by D.E. Hanes	Notes M.A.W. Date 3-1-61
	Date	Date	Map No.	Indexed H. E. OTT Date OCT 23 '61

F. B. 2281 Pg. 117

18", 15" & 12" Storm Drain

Along East Rdwy.

D.E. Holmes
M.A. Wolsen Jr.
J.E. Henderson
D.L. Brown

STATION	B. S.	H. I.	F. S.	ELEV.

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76L-298 S & E #307—1-56

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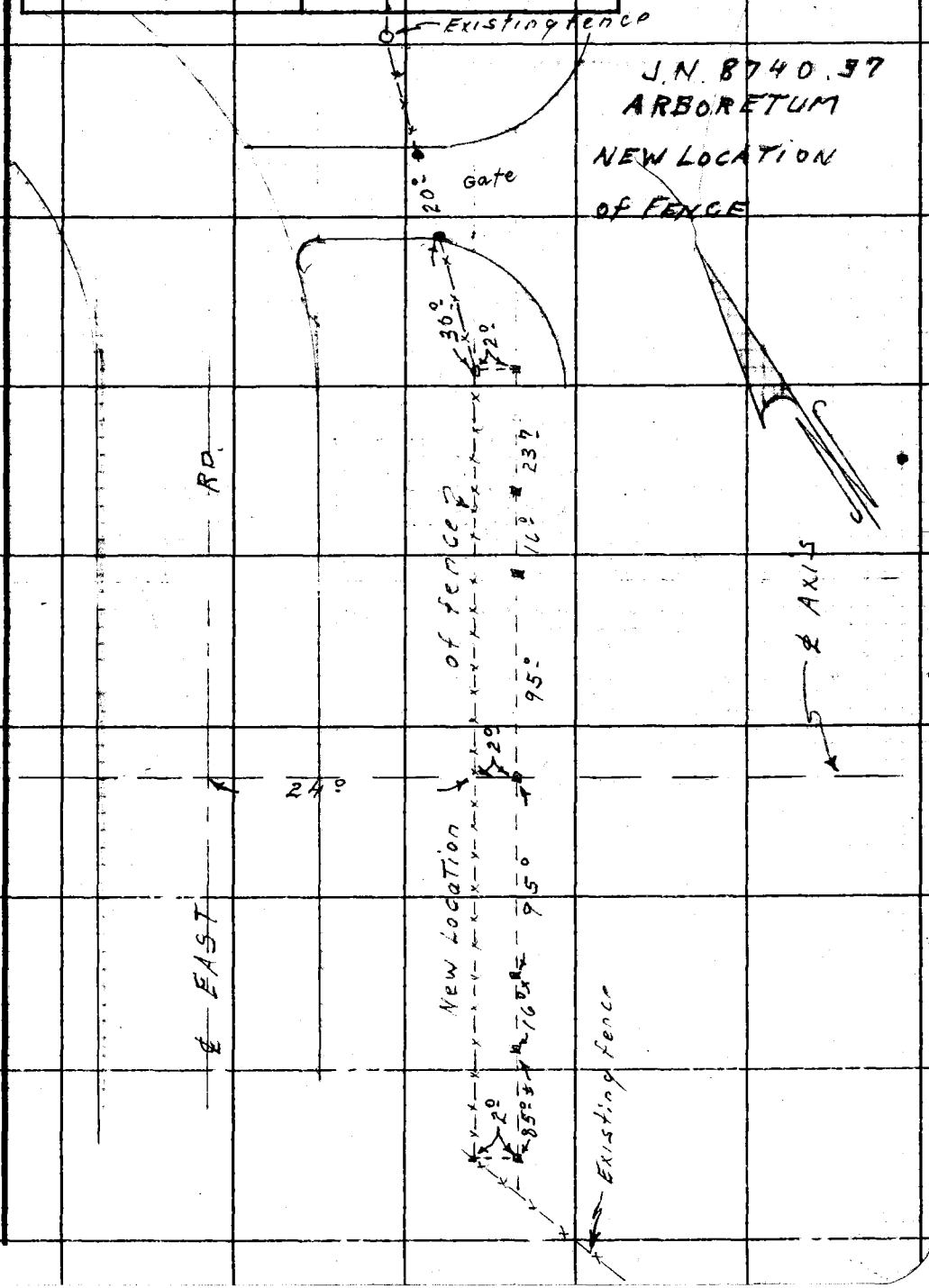
F. B. 1284 Pg. 118 Job No. 27603 Division No. Notes Red Plotted Profile
Survey of ACCEPTANCE Date No. X-Sec.
Survey by C. E. Hansen Notes Chkd Checked
Indexed L. E. Ott Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	1"x2" 10' Rt. of		LINE
BM	11 77	53114		519 37	TP. Bk. Cap Mon FB 1845-182 N3000, E5400		
					o/s Grade Cut or Fill		
0+00			11 77	519 37	508.20	C/11.17	
+25			11 51	519 57	508.50	C/11.07	
+50			11 40	519 74	508.80	C/10.94	
+75			11 37	519 77	509.10	C/10.67	
0+88.98			11 46	519 68	509.25	C/10.43	
1+00			11 35	519 79	509.89	C/ 9.90	
+25			11 21	519 93	511.33	C/ 8.60	
1+30.25			11 31	519 83	511.66	C/ 8.17	
+50			11 21	519 93	512.78	C/ 7.15	
+75			10 87	520 27	514.22	C/ 6.35	
1+97.25	Bk.		10 73	521 01	515.50	C/ 5.51	
1+97.25	Ahead		10 73	521 01	515.50	C/ 5.51	
2+00			10 69	521 05	515.70	C/ 5.35	
+25			8 78	522 96	517.49	C/ 4.87	
+50			7 71	523 43	519.28	C/ 4.15	
+75			6 66	524 26	521.08	C/ 3.18	
3+00			4 45	526 67	522.87	C/ 3.82	
3+22.70			0 77	530 37	524.50	C/ 5.87	
BM			11 77	519 37	TP. Bk. Cap Mon FB 1845-182 N3000 E5400		

6.00% 1.17% 1.17%

Notes Ck'd by	Survey of ARBORETUM
Map No.	JN 8740.37 Tape Std °F
Office Work	Surveyed by Holmes
Checked	Notes Holmes Date 3-30-61
Date	Indexed H. E. OTT OCT 23 '61

F. B. 2284 Pg. 119



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76F309S S&E #247 11-58

Notes Ck'd by	Survey of Arboretum
Map No.	JN Tape 164 Std 84 °F
Office Work	Surveyed by D.E. Holmes
Checked	Notes Holmes Date 10-13-61
Date	Indexed H. E. OTT OCT 23 '61

F. B. 2284 PG. 12

J.N. 00219

ARBORETUM

STAKING CONTROL LINES
FOR FUTURE CONSTR.

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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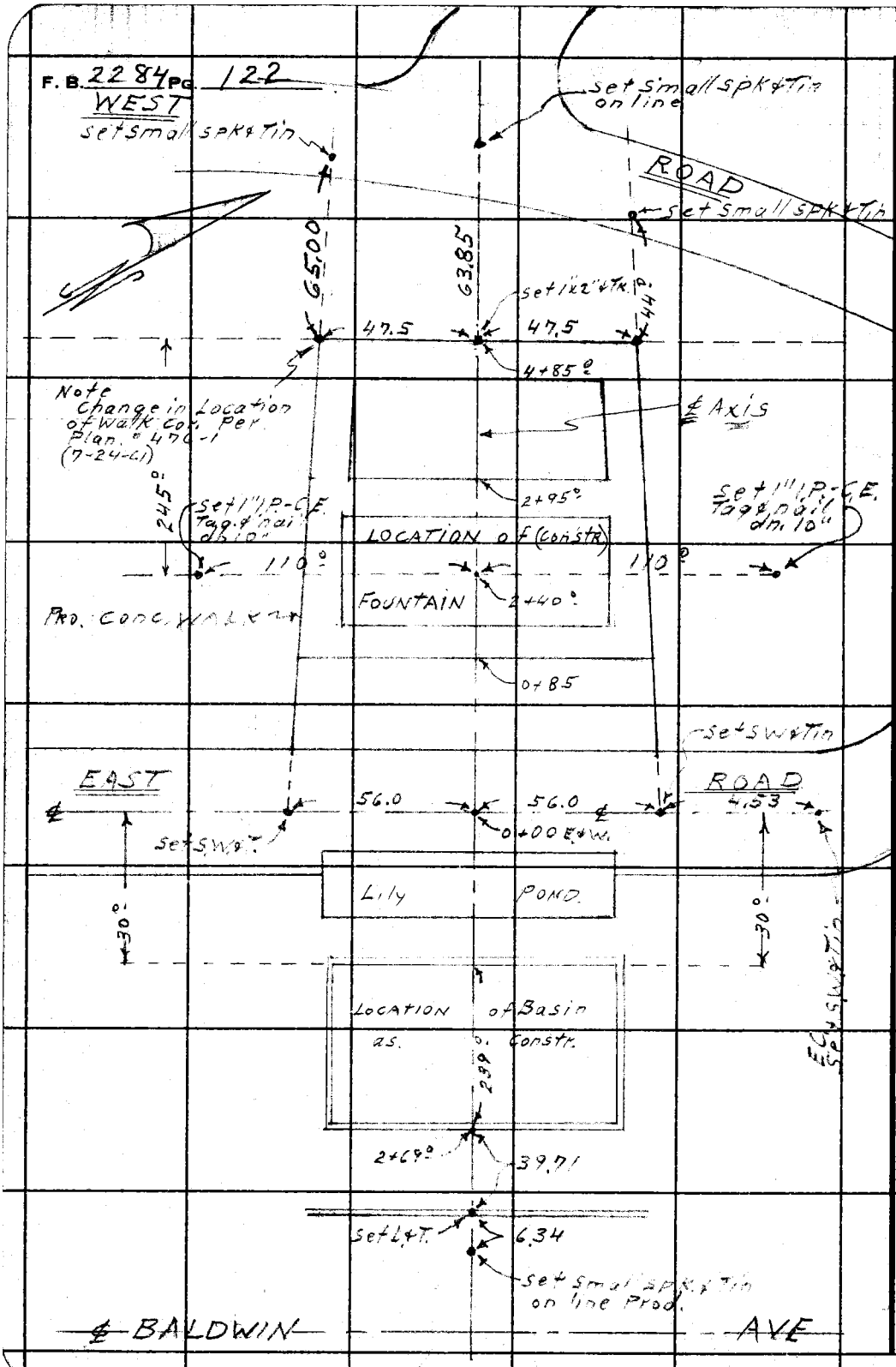
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 2284 Pg. 122



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Notes Ck'd by Fitch	Survey of ARBORETUM
Map No.	JN 0016.02 Tape Std °F
Office Work	Surveyed by HOLMES
Checked	Notes WALSH Date 4-22-63
Date	Indexed C. J. GAMI APR 29 '63

F. B. 2284 PG. 123

LOCATION OF WATER LINES
AT FOUNTAIN IN FRONT OF
QUEEN ANNE COTTAGE
per LETTER DATED 4-15-63

HOLMES
WALSH
MOORE
DEAN

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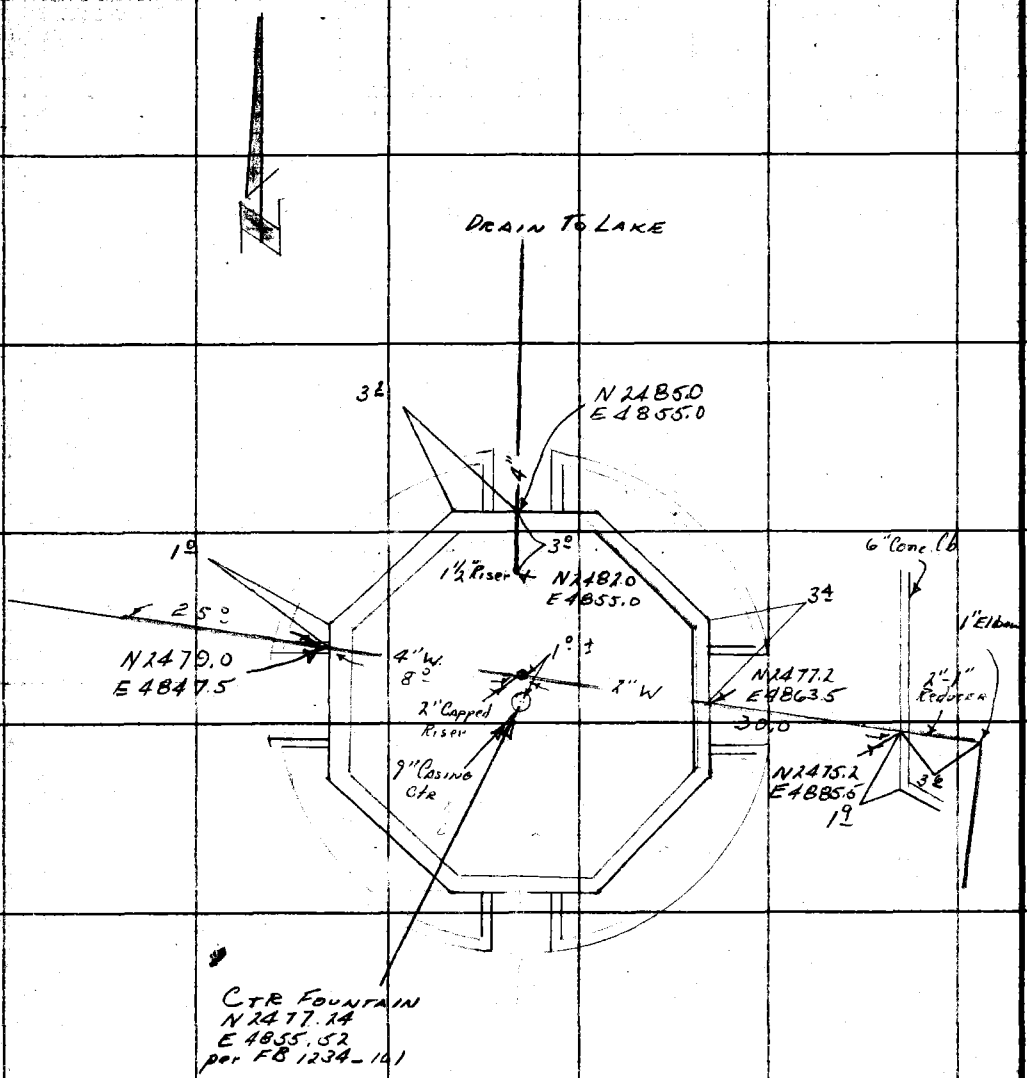
76F3095 S&E #247 1-50

F. B. 1284 Pg. 124



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Notes Ck'd by Fitch	Survey of ARBORETUM	F. B. 2284 PG. 125
Map No.	JN 0016.02 Tape 184 Std. 84 °F	
Office Work	Surveyed by Holmes	
Checked	Notes Date	
Date	Indexed E. J. GALLI APR 29 '63	

LOCATION & HEIGHT OF WOLFSKILL
Eucalyptus in FRONT OF Queen Anne Cottage
per Letter dated 4-15-63

Holmes
Walsh
Moore
Dean

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76F3095 CE # 310 3-61

F. B. 2284 PG. 126

HEIGHT OF TREE

220.02 @ 0-00 T-70 = 220.00

72" WOLFSKILL EUCALYPTUS

220.00

Set NAIL "A" pt

200.06

200.12 @ 1-11 T-70 = 200.06

0.6

12

156.08 Calc

Ground

Level

37.58

156.116

Pt "A"

35.05

220.00

5.3

4.1

Ground

154.52 Calc

154.52

4.1

158.6

158.6 Calc FROM pt. A

156.7 " " " B

AV. HEIGHT 157.6

Set NAIL "B" pt.

5.1

4.1

Pt "B"

156.02

+.6

156.72

LOCATION OF TREE

CTR. FOUNTAIN

N 2477.24

E 4853.52

per FB 1234-161

72" WOLFSKILL EUCALYPTUS

N 2447.4

E 4893.5

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Notes Ck'd by	Survey of ARBORETUM
Map No.	JN 00162 Tape 158 Std 87 °F
Office Work	Surveyed by D.E. HOLMES
Checked	Notes MOODY Date 1-6-66
Date	Indexed C. J. GALLI

F. B. 2284 PG. 127

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ARBORETUM

JN. 0061.02

GRADE STAKES

IN QUADRANTS
H-6, H-7, I-6 & J-6

JAN 6 1966

PARTY
D.E. HOLMES
J.A. MOODY
G.C. VALDEZ
C.G. GUIZADO

76F3093 CE #310 6-63

F. B 2284 PG 128

INDEX

SEE SKETCH NEXT PAGE

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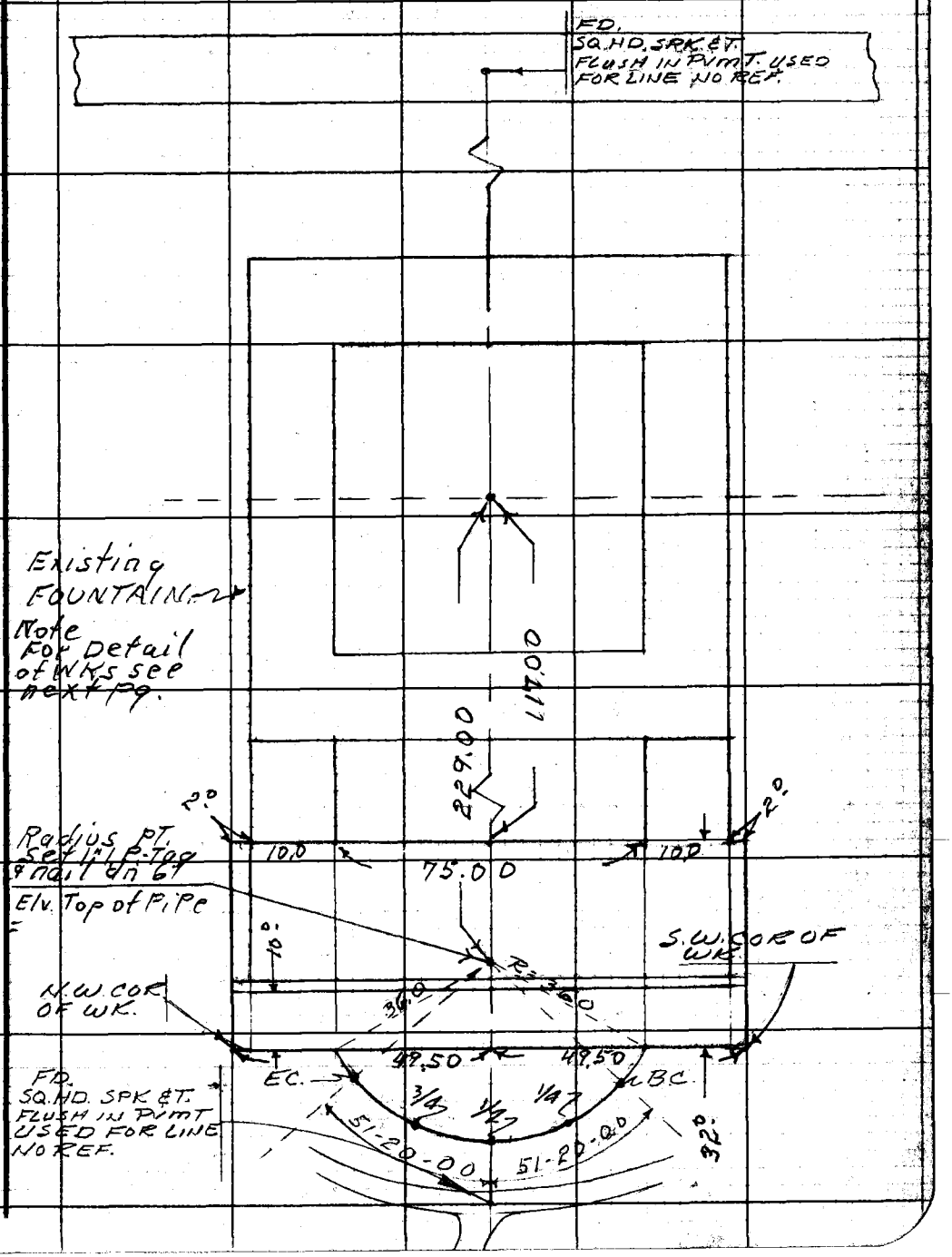
Notes Ck'd by	Survey of Arboretum	F. B. 2284 PG. 129
Map No.	JN 00160 2 Tape Std °F	
Office Work	Surveyed by Holmes	
Checked	Notes Moody Date 1-7-66	
Date	Indexed C. J. GALLI	



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76F3095 CE #247—3-57

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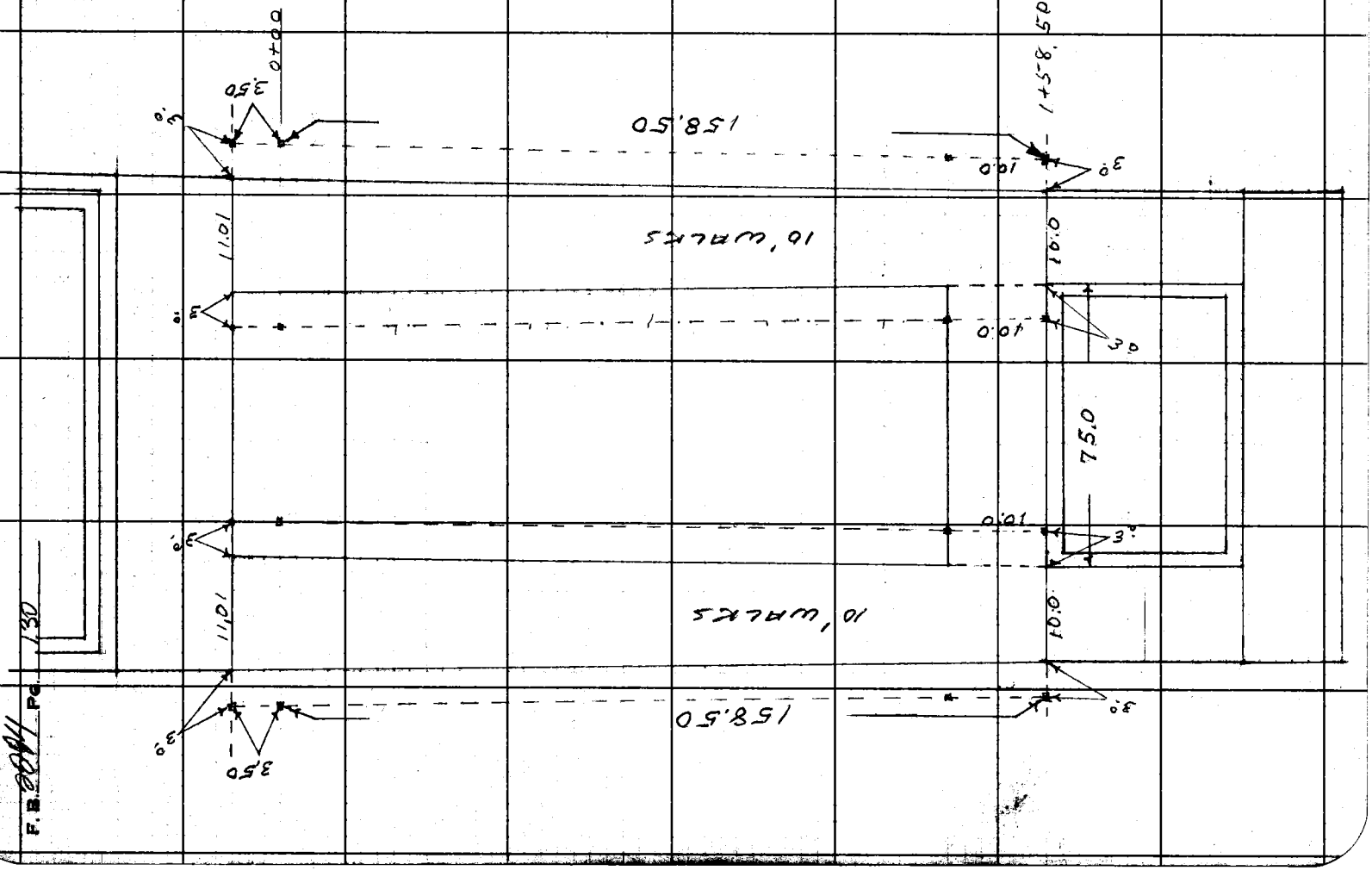

Profile No. | Notes Red Date | Plotted Date | Job No. 0016.02 Division No. 11 | F.B. 2284 Pg. 131
X-Sec. No. | Notes Chkd. Date | Checked Date | Survey of ARBORETUM | Survey by HOLMES Notes MOODY Date 1-6-66 | Map No. Indexed C. J. GALLI Date

ARBORETUM

JN. 0016.02.

STAKES FOR GRADING

FORECOURT AREA

JAN. 6, 1966

PARTY
D.E. HOLMES
J.A. MOODY
G.C VALDEZ
C.G. GUIZADO

STATION | B.S. | H.I. | F.S. | ELEV.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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F.B. 2284 Pg. 132 | Job No. 0016.02 | Division No. 11 | Notes Red | Plotted | Profile
Survey of ARBORETUM | Date | Date | No. | X-Sec.
Survey by Holmes | Notes Moody | Notes Chkd. | Checked
Indexed C. J. GALLI | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL	
BM				508.08	BM. ELEV. = 508.08			FB. 1845-19Z
					BRASS CAP MON. MKD.			N. 2800, E. 5200
BM				515.38	BM ELEV. = 515.38			FB. 1845-18Z
					BRASS CAP MON. MKD			N. 3000, E. 5200
N. 3092								
E. 5021				516.42	516.00	0.42		
N. 3091								
E. 5045				516.58	"	0.58		
N. 3087								
E. 5070				516.85	"	0.85		
N. 3078								
E. 5093				516.57	"	0.57		
N. 3067								
E. 5119				516.43	"	0.43		
N. 3050								
E. 5146				516.15	"	0.15		
N. 3108								
E. 5032				517.25	517.00	0.25		
N. 3118								
E. 5057				517.79	"	0.79		
N. 3118								
E. 5082				517.92	"	0.92		
N. 3111								
E. 5106				517.86	"	0.86		
N. 3098								
E. 5127				517.71	"	0.71		
N. 3083								
E. 5146				517.51	"	0.51		
N. 3067								
E. 5164				517.20	"	0.20		
N. 3119								
E. 4970				518.25	518.00	0.25		
N. 3123								
E. 4994				518.47	"	0.47		

76-L-298 CE 307 2-63

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Profile Notes Red. Plotted Job No. 0016.02 Division No. 11 F. B. 2284 Pg. 133
No. X-Sec. Date Date Survey of ARCADIA TRM
Notes Chkd. Checked Survey by HOLMES Notes MOODY Date 1-6-66
No. Date Date Map No. Indexed C. J. GALLI Date

STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL
3134				5193	5180.0	1.31	
5017				5195	"	1.59	
3148				5193	"	1.35	
5038				5195	"	1.51	
3157				5192	"	1.23	
5061				5187	"	0.74	
3159				5188	"	0.80	
5086				5185	"	0.55	
3152				5182	"	0.24	
5110				5191	5190.0	0.12	
3140				5199	"	0.90	
5132				5208	"	1.89	
3124				5215	"	2.58	
5152				5212	"	2.28	
3106				5204	"	1.44	
5169				5203	"	1.32	
3094				5202	"	1.25	
5180				5200	"	1.04	
3130				5210	"	2.00	
4970				5196	"	0.61	
3138				5190	"	0.08	
4993							
3155							
5010							
3172							
5029							
3182							
5053							
3198							
5077							
3191							
5102							
3185							
3212							
3174							
5147							
3157							
5167							
3139							
5184							
3115							
5200							

76-L-298 CE 307 2-63

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52068

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STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL		
N 3140									
E 4970				520.13	520.00	0.13			
N 3150									
E 4985				521.07	"	1.07			
N 3170									
E 5000				521.96	"	1.96			
N 3187									
E 5017				523.07	"	3.07			
N 3194									
E 5042				522.91	"	2.91			
N 3202									
E 5065				522.05	"	2.05			
N 3214									
E 5087				521.63	"	1.63			
N 3222									
E 5111				521.39	"	1.39			
N 3221									
E 5136				521.23	"	1.23			
N 3212									
E 5159				520.97	"	0.97			
N 3197									
E 5178				520.92	"	0.92			
N 3180									
E 5195				520.77	"	0.77			
N 3160									
E 5210				520.51	"	0.51			
N 3132									
E 5226				520.32	"	0.32			
N 3152									
E 4970				521.27	521.00	0.27			
N 3160									
E 4983				521.62	"	0.62			
N 3172									
E 4994				522.25	"	1.25			
N 3191									
E 5011				523.76	"	2.76			
N 3200									
E 5032				524.12	"	3.12			
N 3211									
E 5056				523.20	"	2.20			
N 3226									
E 5076				523.14	"	2.14			

F.B. 2284 PG. 134 | Job No. 0016.02 | Division No. 11 | Notes Red | Date | Plotted | Date | No. | Profile
Survey of ARBORETUM | Date | Notes Chkd. | Date | Checked | Date | No. | X-Sec.
Survey by HOLMES | Notes MOODY
Indexed C. J. GALLI | Date

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL
N. 3242 E. 5096				52322	521.00	2.22	
N. 3251 E. 5118				52261	"	1.61	
N. 3250 E. 5143				52234	"	1.34	
N. 3242 E. 5166				52196	"	0.96	
N. 3229 E. 5188				52190	"	0.90	
N. 3212 E. 5206				52173	"	0.73	
N. 3193 E. 5220				52156	"	0.56	
N. 3168 E. 5236				52133	"	0.33	
N. 3164 E. 4970				52214	522.00	0.14	
N. 3177 E. 4987				52270	"	0.70	
N. 3195 E. 5007				52428	"	2.28	
N. 3207 E. 5028				52501	"	3.01	
N. 3220 E. 5050				52377	"	1.77	
N. 3233 E. 5070				52348	"	1.48	
N. 3247 E. 5092				52361	"	1.61	
N. 3261 E. 5113				52364	"	1.64	
N. 3214 E. 5022				52559	523.00	2.59	
N. 3230 E. 5042				52465	"	1.65	
N. 3240 E. 5065				52425	"	1.25	
N. 3250 E. 5089				52380	"	0.80	
N. 3264 E. 5111				52395	"	0.95	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0016.02 Division No. 11 F.B. 2284 Pg. 135
X-Sec. No. ____ Date ____ Date ____ Survey of ARBORETUM
Notes Chkd. ____ Checked ____ Survey by HOLMES Notes MOODY Date 1-6-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2284 Pg. 136 | Job No. 0016.02 Division No. 11 | Notes Red | Plotted | Profile

Survey of ARBORETUM | Date | Date | No.

Survey by HOLMES Notes MOODY | Notes Chkd. | Checked | X-Sec.

Indexed C. J. GALLI Date | Date | Date | No.

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
N. 3238							
E. 5037							
N. 3244							
E. 5051							
N. 3254							
E. 5087							
				524.85	524.00	0.85	
				524.38	"	0.38	
				524.22	"	0.22	

0016.02 | F.B. 2284 Pg. 137

Profile No. | Notes Red Date | Plotted Date | Job No. 11 | Division No.
X-Sec. No. | Notes Chkd. Date | Checked Date | Survey of ARBORETUM
Survey by HOLMES Notes MOOD Date 1-7-65
Map No. | Indexed C. J. GALLO Date

GRADES FOR
WEST WALKS @
WEST OF POND

FOR LOCATION SEE PG. 130

STATION	B.S.	H.I.	F.S.	ELEV.

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STATION	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	REMARKS
BM				515 38	BM ELEV. 515.38			FB 1845-182
					BRASS CAP MON MKD. N. 3000, E 5200			
				523 17				S.W. COR. OF MARBLE WK OF POND
				523 21				N.W. COR. OF MARBLE WK. OF POND
0+00				523 94	524.50		0.56	3' OFFSET TO S. EDGE OF S. WK.
0+25				524 73	525.21		0.48	
0+50				525 72	525.92		0.20	
0+75				526 39	526.63		0.24	
1+00				526 95	527.34		0.39	
1+25				527 47	528.05		0.58	
1+48.5				528 51	528.72		0.21	
1+58.5				528 98	529.00		0.02	
0+00				524 25	524.50		0.25	3' OFFSET TO N. EDGE OF S. WK.
0+25				524 63	525.21		0.58	
0+50				525 42	525.92		0.50	
0+75				526 09	526.63		0.54	
1+00				526 85	527.34		0.49	
1+25				527 35	528.05		0.70	
1+48.5				528 03	528.72		0.69	
1+58.5				528 45	529.00		0.55	

F.B. 2284 Pg. 138
Job No. 0016.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of ARBOTETUM Date ____ Date ____ No. ____
Survey by Holmes Notes MOODY Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. L. CALL Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL	REMARKS
0+00				524 41	524.50		0.09	3' OFFSET TO S. EDGE OF N. WK.
0+25				525 15	525.21		0.06	
0+50				525 75	525.92		0.17	
0+75				526 39	526.63		0.24	
1+00				527 03	527.34		0.31	
1+25				527 46	528.05		0.59	
1+48.5				528 44	528.72		0.28	
1+58.5				528 79	529.00		0.21	
0+00				525 21	524.50	0.71		3' OFFSET TO N. EDGE OF N. WK.
0+25				525 81	525.21	0.60		
0+50				526 57	525.92	0.65		
0+75				526 82	526.63	0.19		
1+00				527 46	527.34	0.12		
1+25				528 11	528.05	0.06		
1+48.5				528 99	528.72	0.27		
1+58.5				529 32	529.00	0.32		
		SEE SKETCH PG.						
1+90.5				530 61	533.50		2.89	S.W. COR. OF WK.
				530 46	533.50		3.04	BC CURVE
				531 00	533.50		2.50	1/4 Δ
				531 29	533.50		2.21	1/2 Δ

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0016.02 Division No. 11 F.B. 2284 Pg. 139
X-Sec. No. ____ Date ____ Date ____ Survey of ARBORETUM
Notes Chkd. ____ Checked ____ Survey by HOLMES Notes MOOR Date 1-7-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2284 Pg. 140 | 0016.02

Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of ARBORETUM Date _____ Date _____ No. _____

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Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

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STATION	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	REMARKS
				531.24	533.50		2.26	3/4 A
				530.80	533.50		2.70	EC CURVE
				531.48	533.50		2.02	N.W. COR WK.

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of ARBORETUM
EN 8740.4 Tape 200' Std 68 °F
Surveyed by M. SOTRO
Notes M.S. Date 10-68
Indexed C.J. GALLI 11 16 68

F.B. 2284 Pg. 141

8740.41

LOS ANGELES STATE AND COUNTY ARBORETUM

HORIZONTAL CONTROL FOR RESEARCH LABORATORY

REF: F.B. 1679-229
F.B. 2284-7,22
SPECS 2257
SHEET 1

SOTRO
GOBLE
MOYA

FOR CONSTRUCTION USE ONLY

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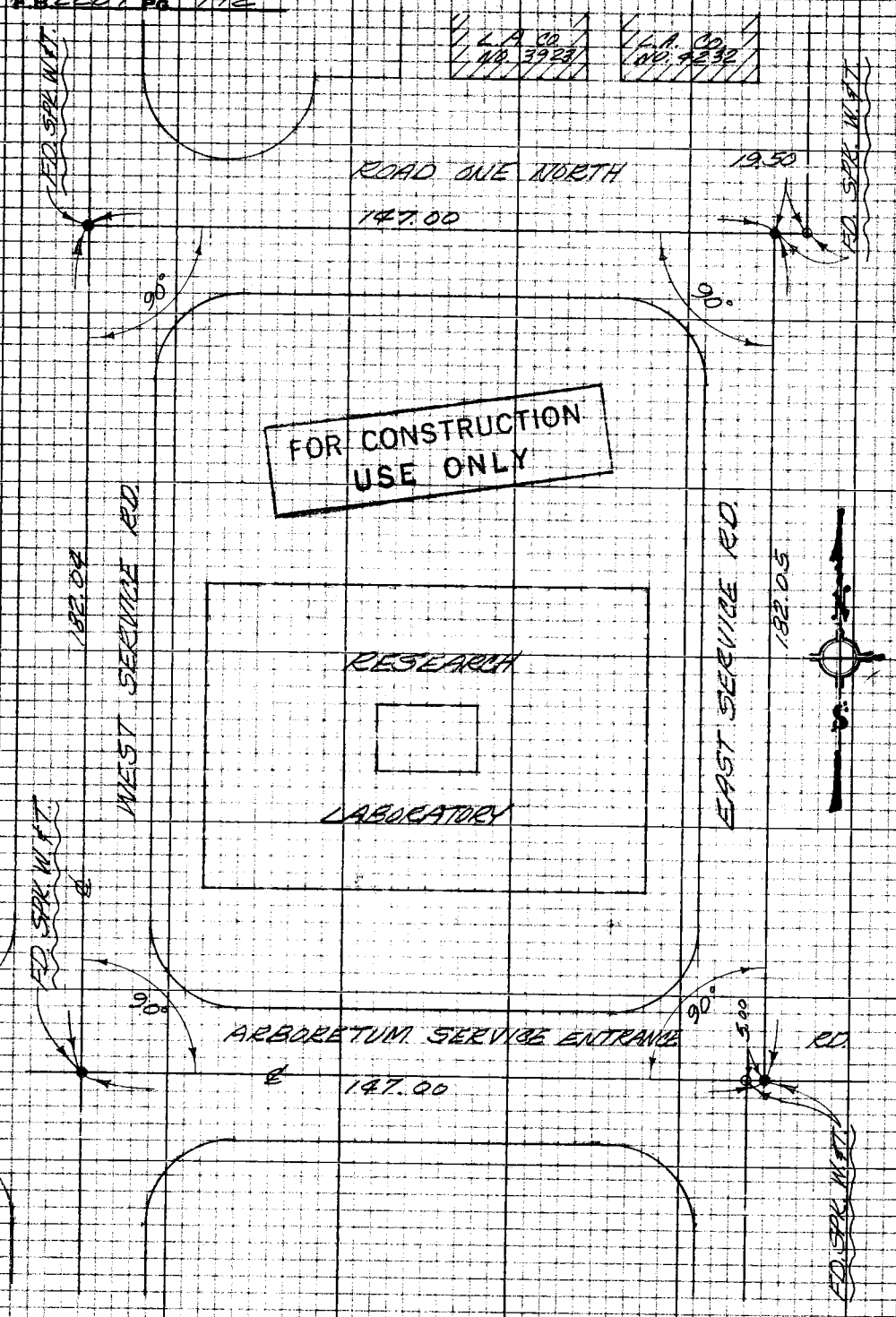
78P308 CK #310 8-68

F.B. 2284 Pg. 142



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F. B. 2284 PG. 143

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8740.41 Division No. 11
Date ____ Date ____ Survey of ARBORETUM
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by M. SOTRO Notes M.S. Date 10-10-68
Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date ____

8740.41

LOS ANGELES
STATE AND COUNTY
ARBORETUM

VERTICAL CONTROL
FOR
RESEARCH LABORATORY

REF: F.B. 1679-229
F.B. 2284-1, 22, 141
F.B. 1845-186, 187
SPECS 2257

STATION	B. S.	H. I.	F. S.	ELEV.

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GOBLE
MOYA

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76-L-298 CE 307 5-66

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F. B. 2284 Pg. 144 Job No 8140.4 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of ARBORETUM Date ____ Date ____ No. ____ X-Sec. ____
Survey by M.S. Notes M. SCITED Notes Chk'd. ____ Checked ____ No. ____
Indexed ____ Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. (F.D.)	566	576 92		571.26	F.D. 2" BRASS CAP MON. FL., N4450 E 5800, EL. 571.26, F.B. 1845-187	
T.B.M. (SET)	5 12	576 94	510	571 82	F.D. SPK. W. FT. AT ℄ INT. ROAD ONE NORTH & EAST SERVICE RD. F.B. 2284-142	
T.B.M. (SET)	2 30	574 13	511	571 83	F.D. SPK. W. FT. AT ℄ INT. ROAD ONE NORTH & WEST SERVICE RD., F.B. 2284-142	
T.B.M. (SET)	4 19	570 29	8 03	566 10	F.D. SPK. W. FT. AT ℄ INT. WEST SERVICE RD. & ARBORETUM SERVICE ENT. F.B. 2284-142	
T.B.M. (SET)	323	567 93	5 59	564 70	F.D. SPK. W. FT. AT ℄ INT. EAST SERVICE RD. & ARBORETUM SERVICE ENT. RD. F.B. 2284-142	
B.M. (F.D.)			4 85	563 08	F.D. 2" BRASS CAP MON. DV 6", N4200 E 5800, EL. 563.08, F.B. 1845-186	

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Notes Ck'd by _____
Map No. _____
Office Work _____
Checked _____
Date _____

Survey of ARBORETUM
JN 0016.02 Tape 22/5 Std 68. °F
Surveyed by M. SATO
Notes M.S. Date 7-24-70
Indexed M. PALMERI 12-72

F.B. 2284 Pg. 145

0016.02

LOS ANGELES STATE AND COUNTY ARBORETUM

RETRACEMENT OF CENTER LINES FOR INTERIOR ROADS

REF: F.B. 1661-85
F.B. 1679-229
F.B. 1845
SHEET S-2 (J.N. 5323 J-5) 5-52

SATO
SMITH M.
COOK

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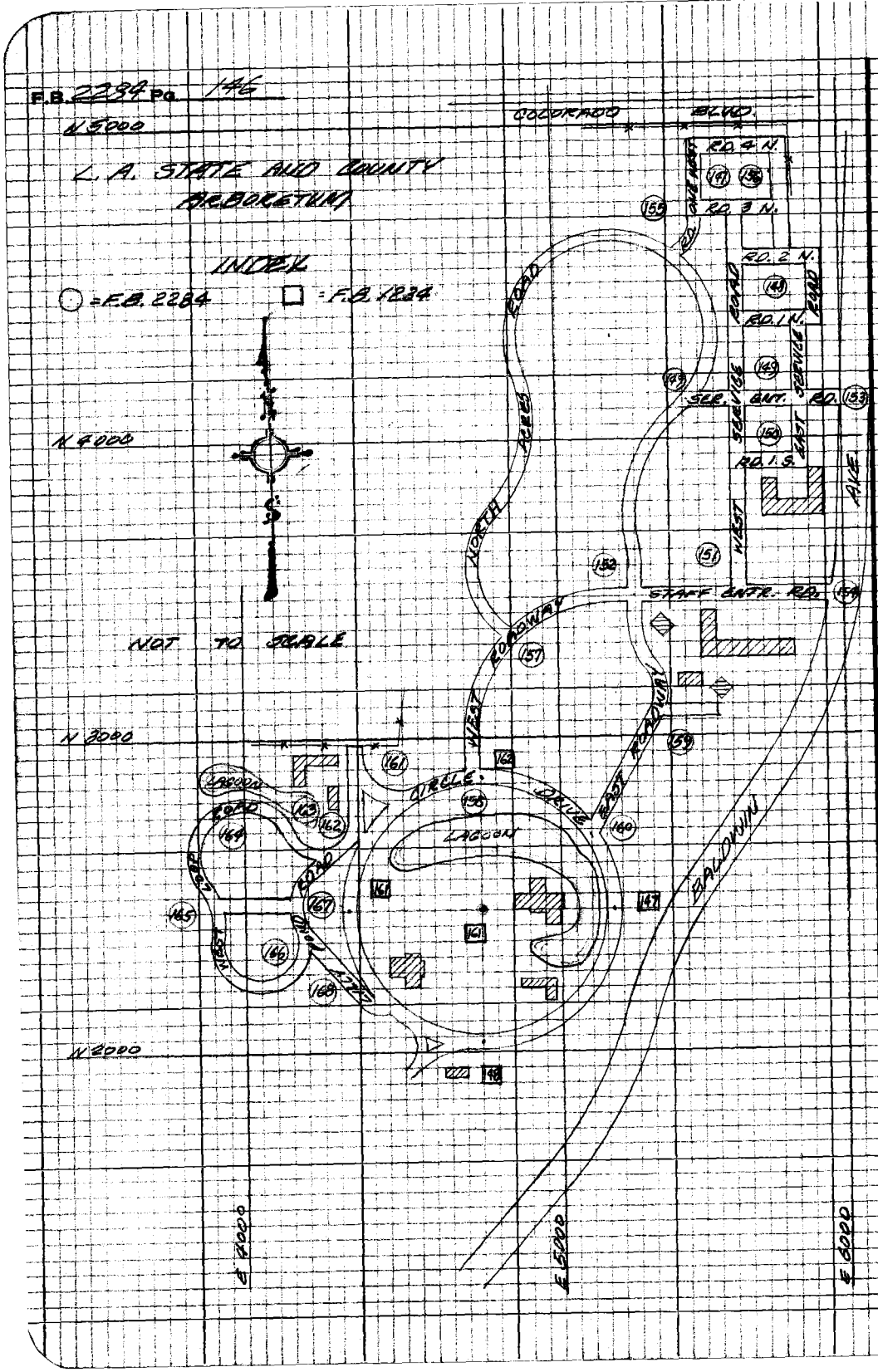
7673008 CK #310 R-68

F.B. 2284 Pg. 146



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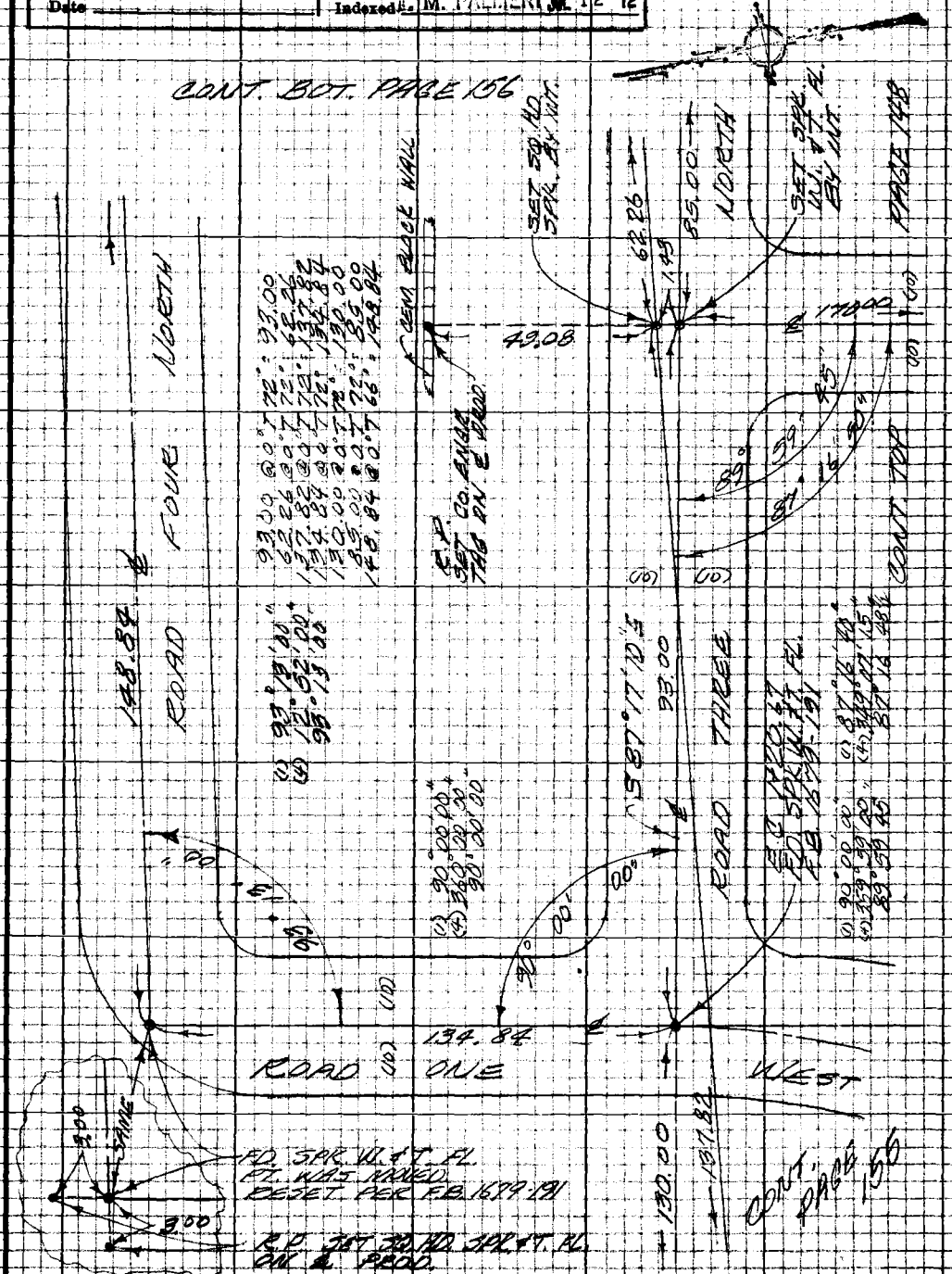
Map No.	JN 0016.02 Tape #0215 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M.S. Date 3-11-70
Date	Indexed E. M. PALMER 12 '72

F.B. 2284 Pg. 147



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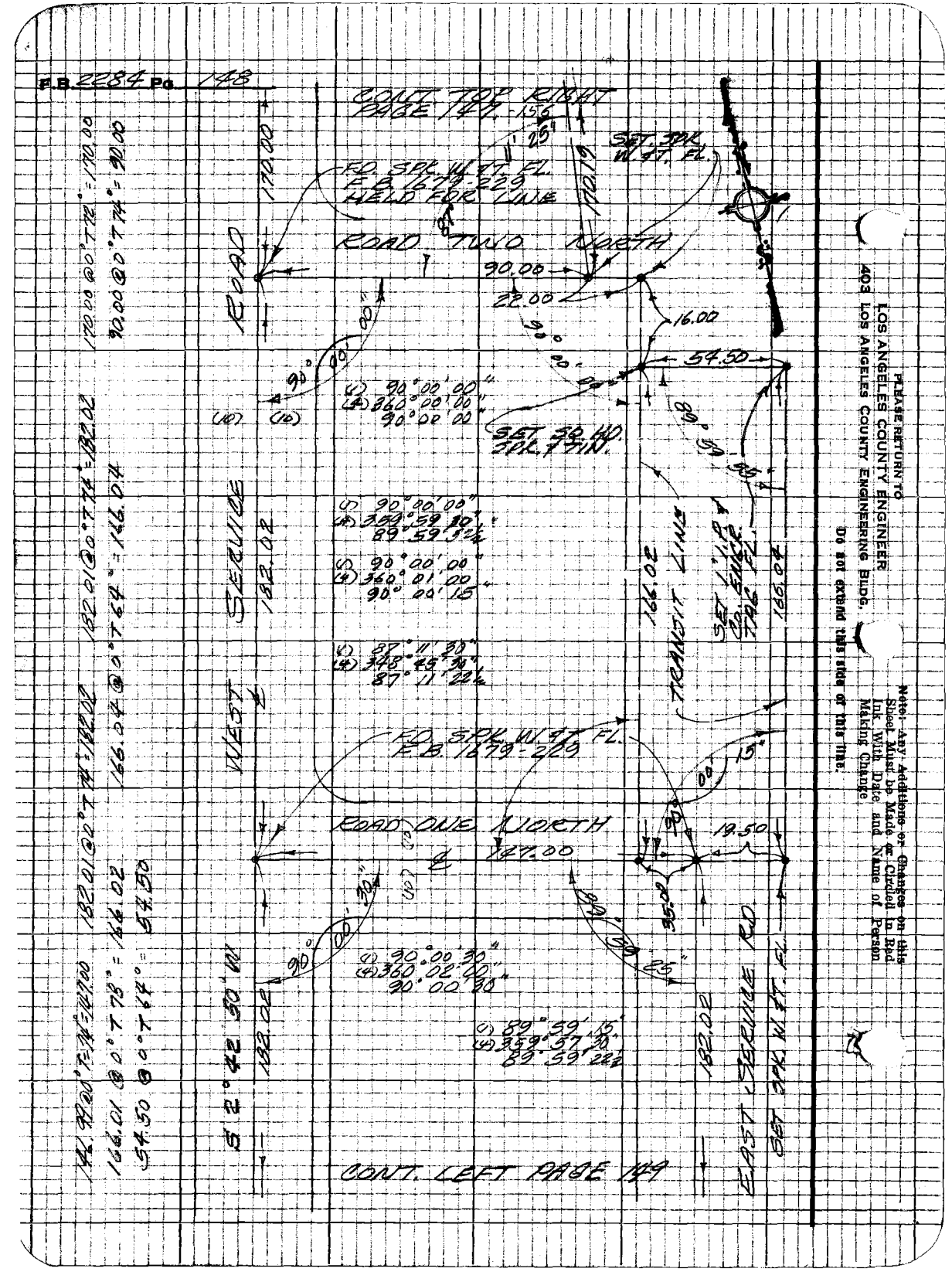
7673095 CE #310 5-66

F.B. 2284 Pg. 148



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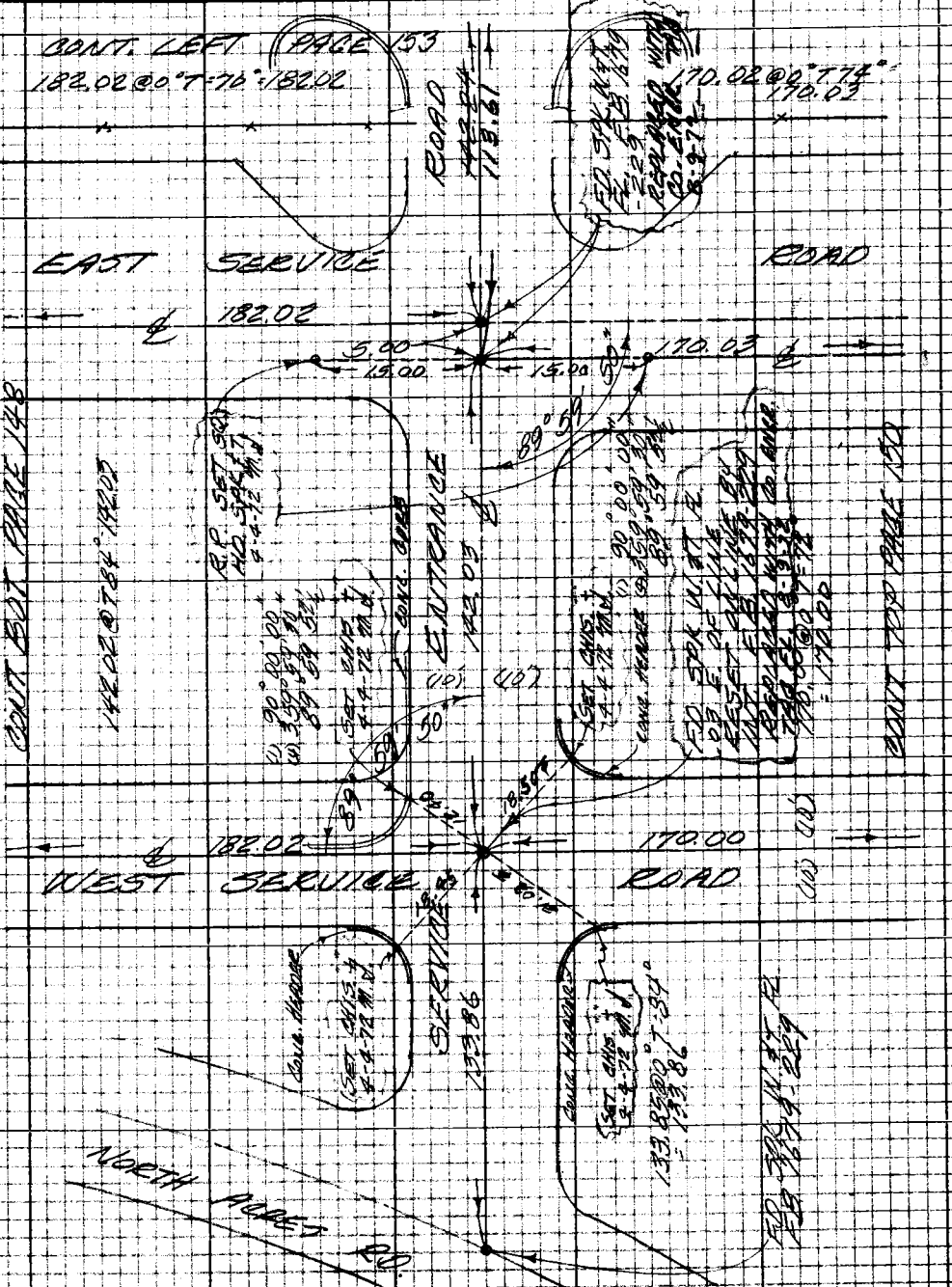
Notes Ck'd by	Survey of ARBORETUM	F.B. 2284 Pg. 149
Map No.	JN 0016.02 Tape 0215 Std. 68 °F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M.S. Date 3-13-70	
Date	Indexed J. M. PALMERI JUL 12 '72	



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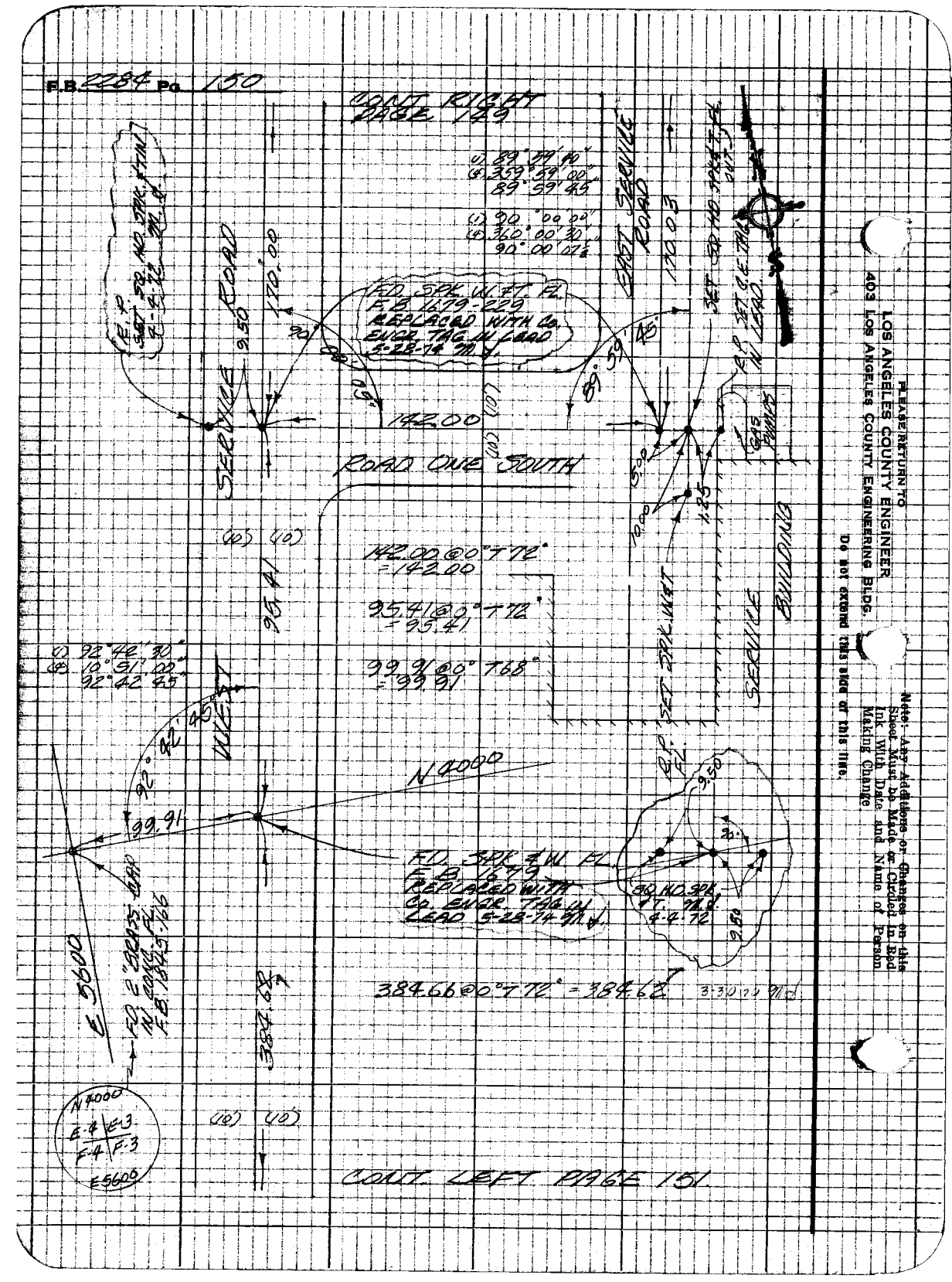
76P3098 CK #310 5-66

F.B. 2284 Pg. 150

CONT. RIGHT PAGE 149



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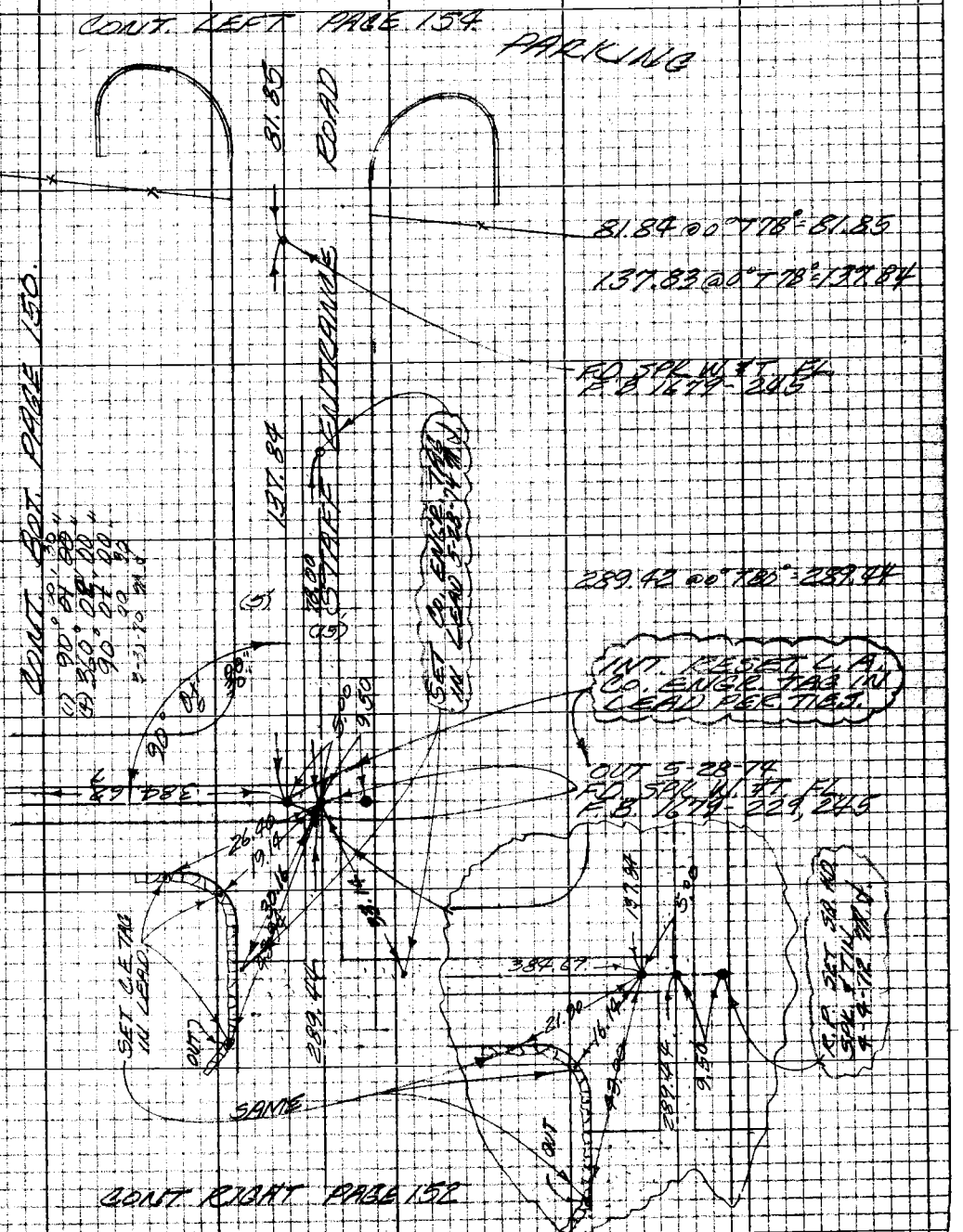
Notes Ck'd by	Survey of ARBORETUM	F.B. 2284 Pg. 151
Map No.	JN 0016.02 Tape 0215 Std 68°F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M.S. Date 2-17-70	
Date	Indexed J. M. PALMERI 12 '72	



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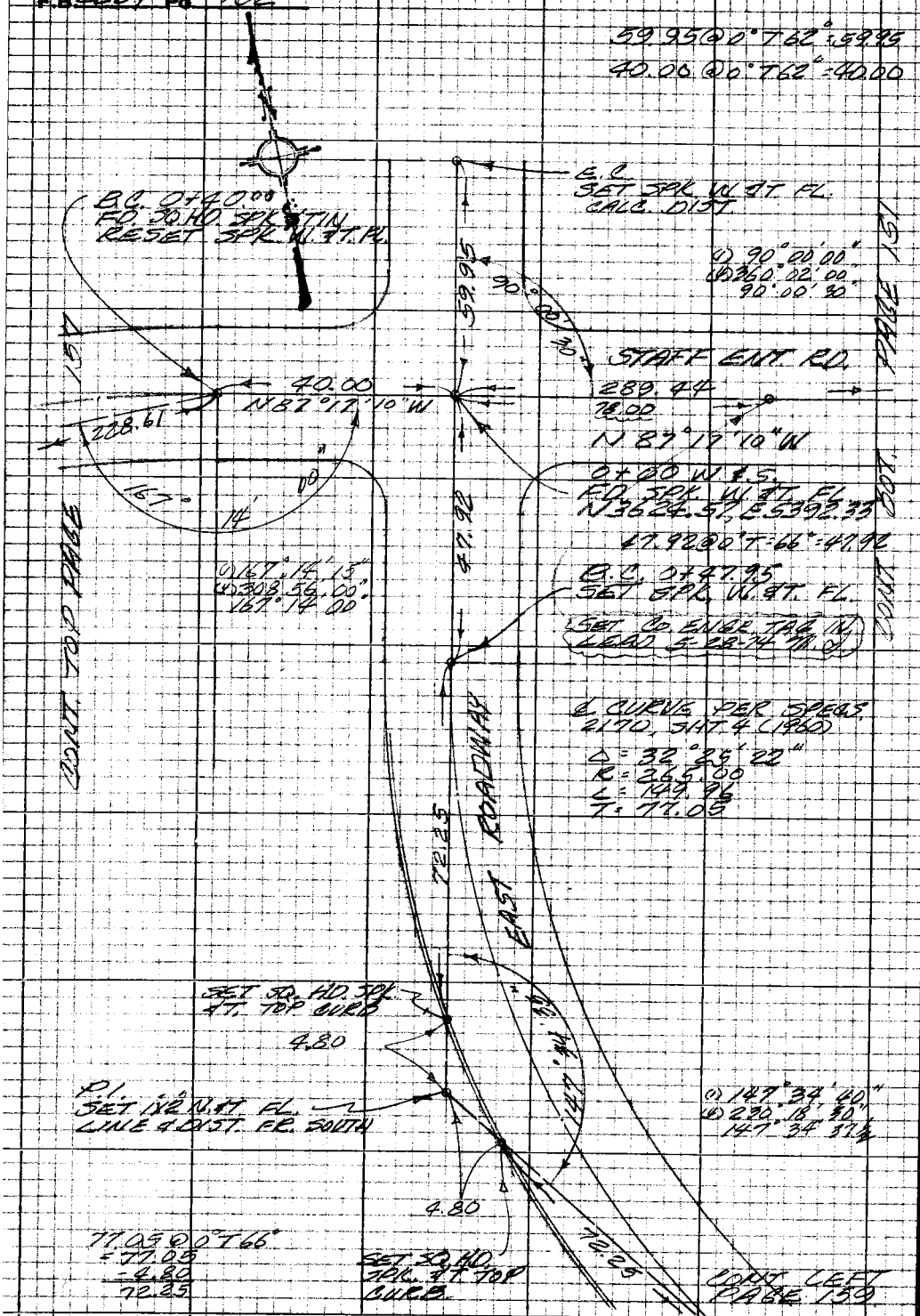
7623098 CE #310 5-66

F.B. 2284 Pg. 152



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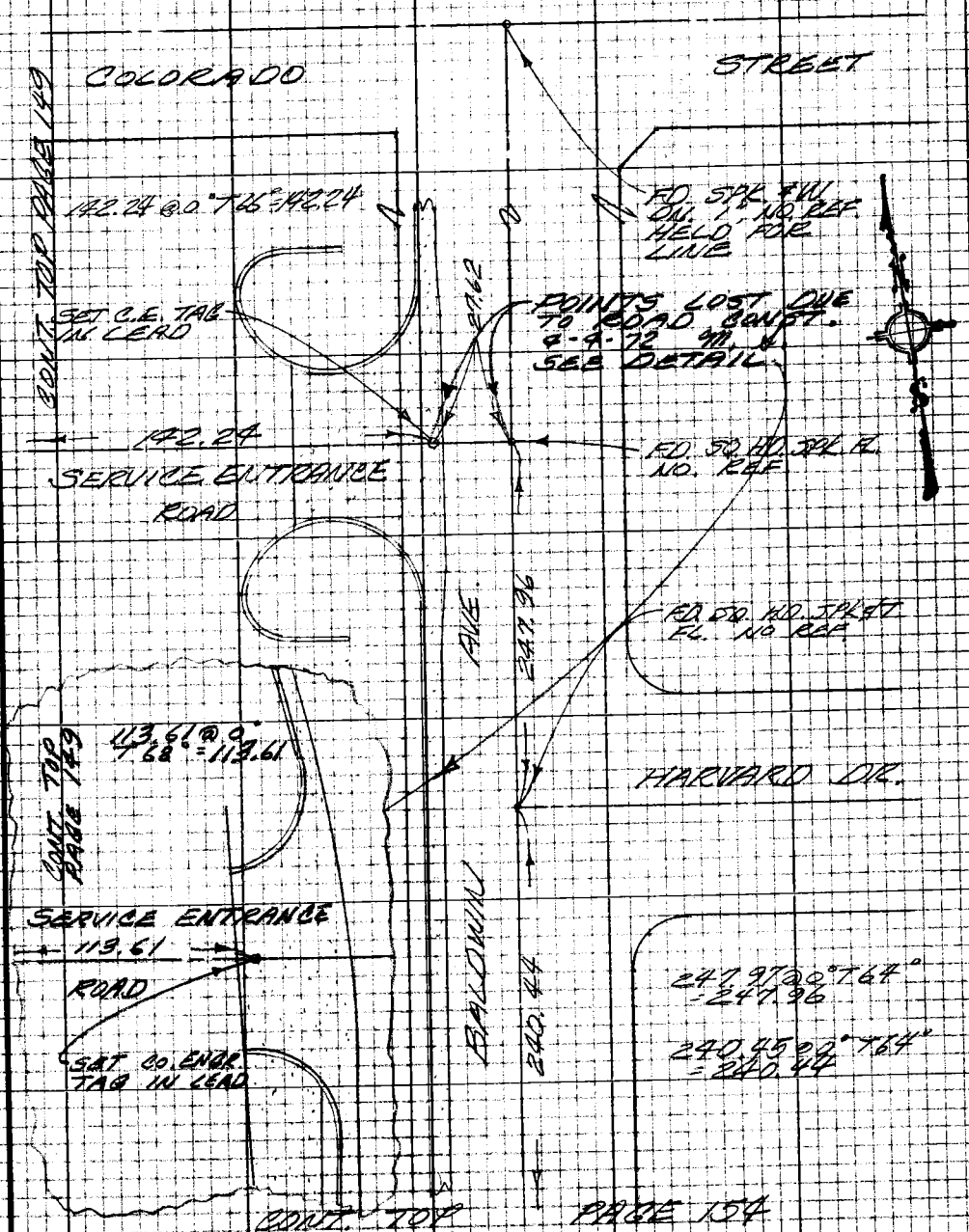
Notes Ck'd by	Survey of ARBORETUM
Map No.	JN 001602 Tape 0219 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M. S. Date 3-16-70
Date	Indexed T. M. PALMER JUL 12 '72

F.B. 2284 Pg. 153



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F.B. 2284 Pg. 154

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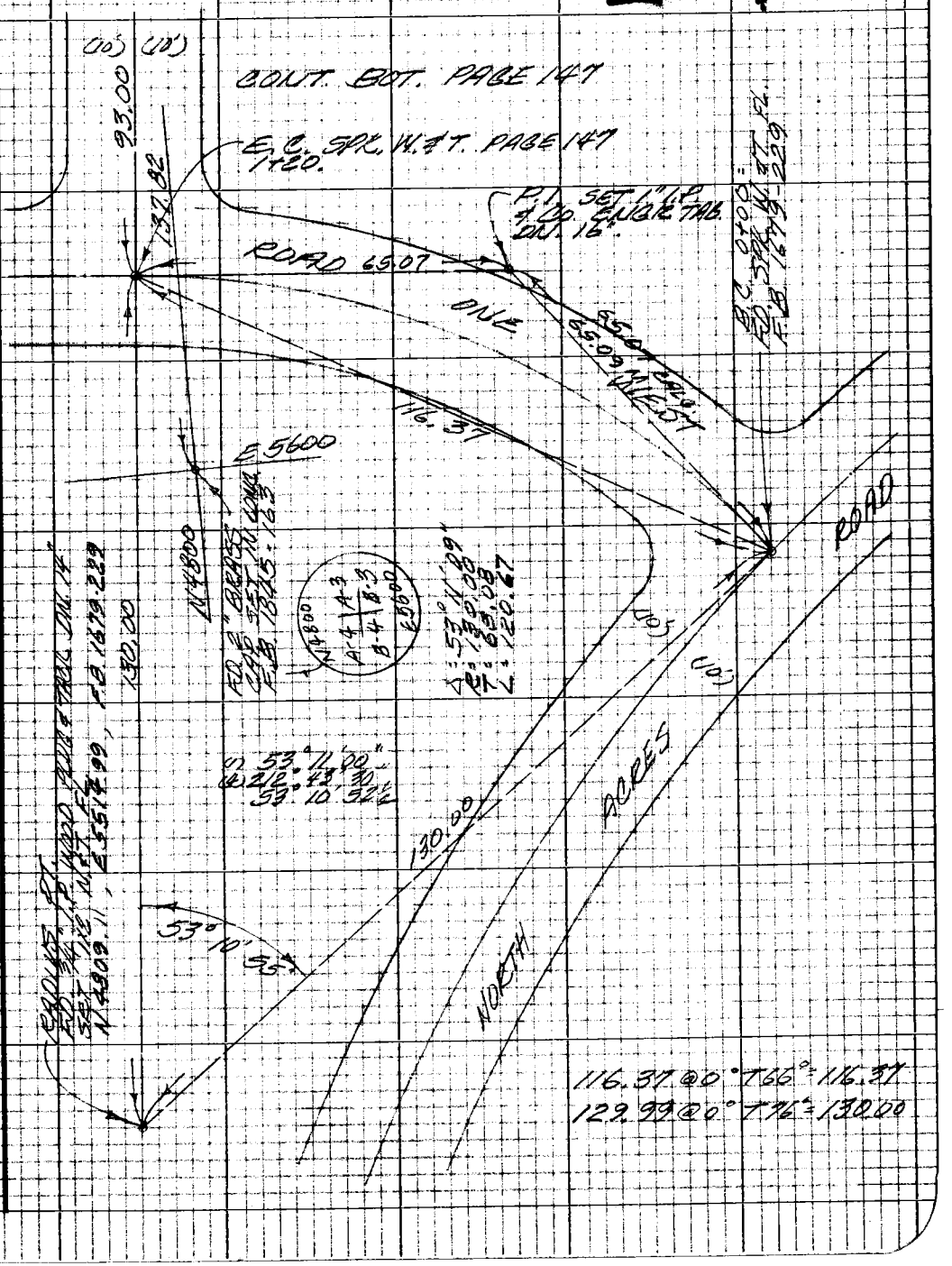
Notes Ck'd by	Survey of ARBORETUM	F.B. 2284 Pg. 155
Map No.	JN 0016.02 Tape 0215 Std. 68 °F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M.S. Date 3-11-70	
Date	Indexed J. M. PALMERI JUL 12 '72	



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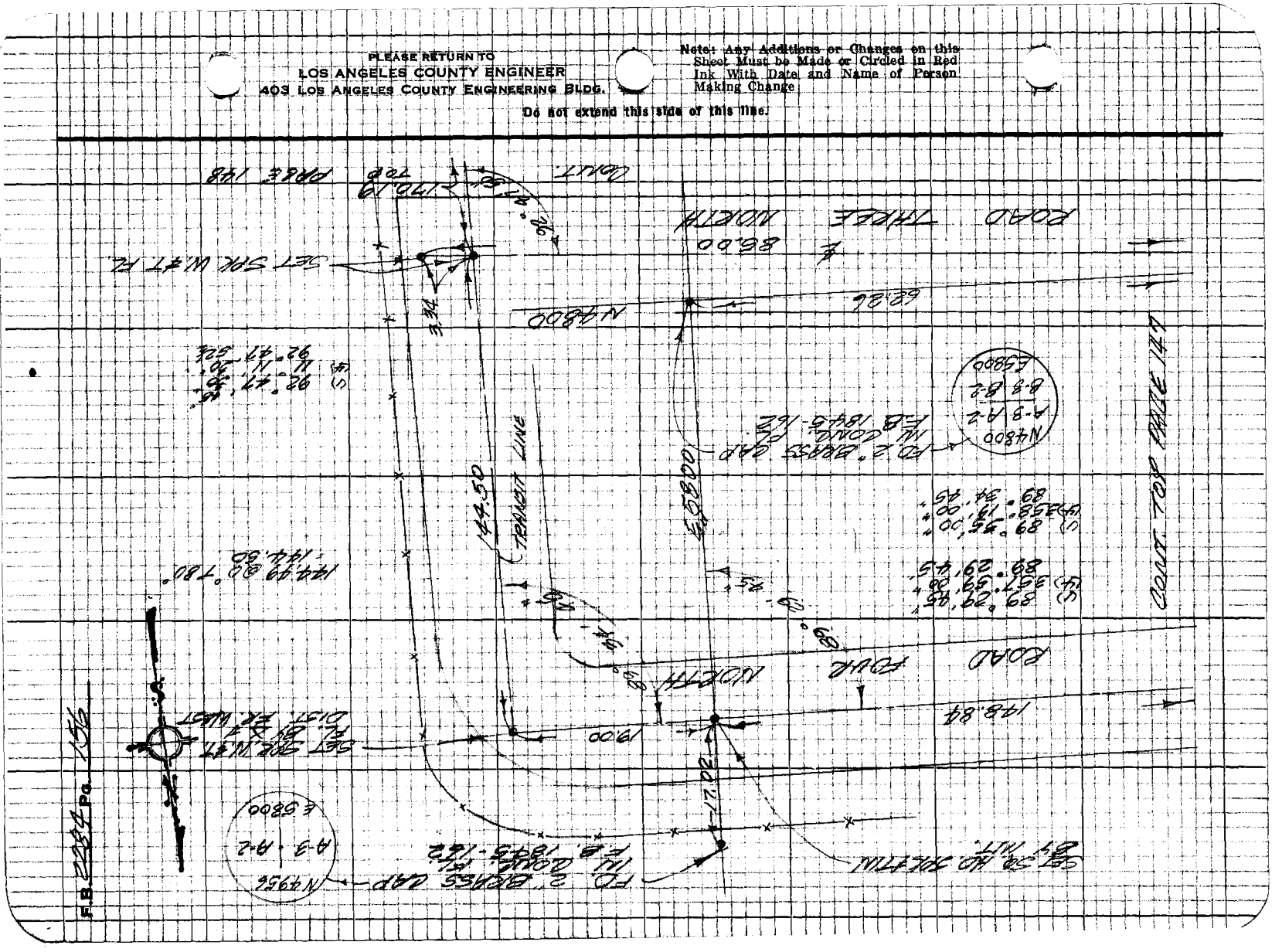
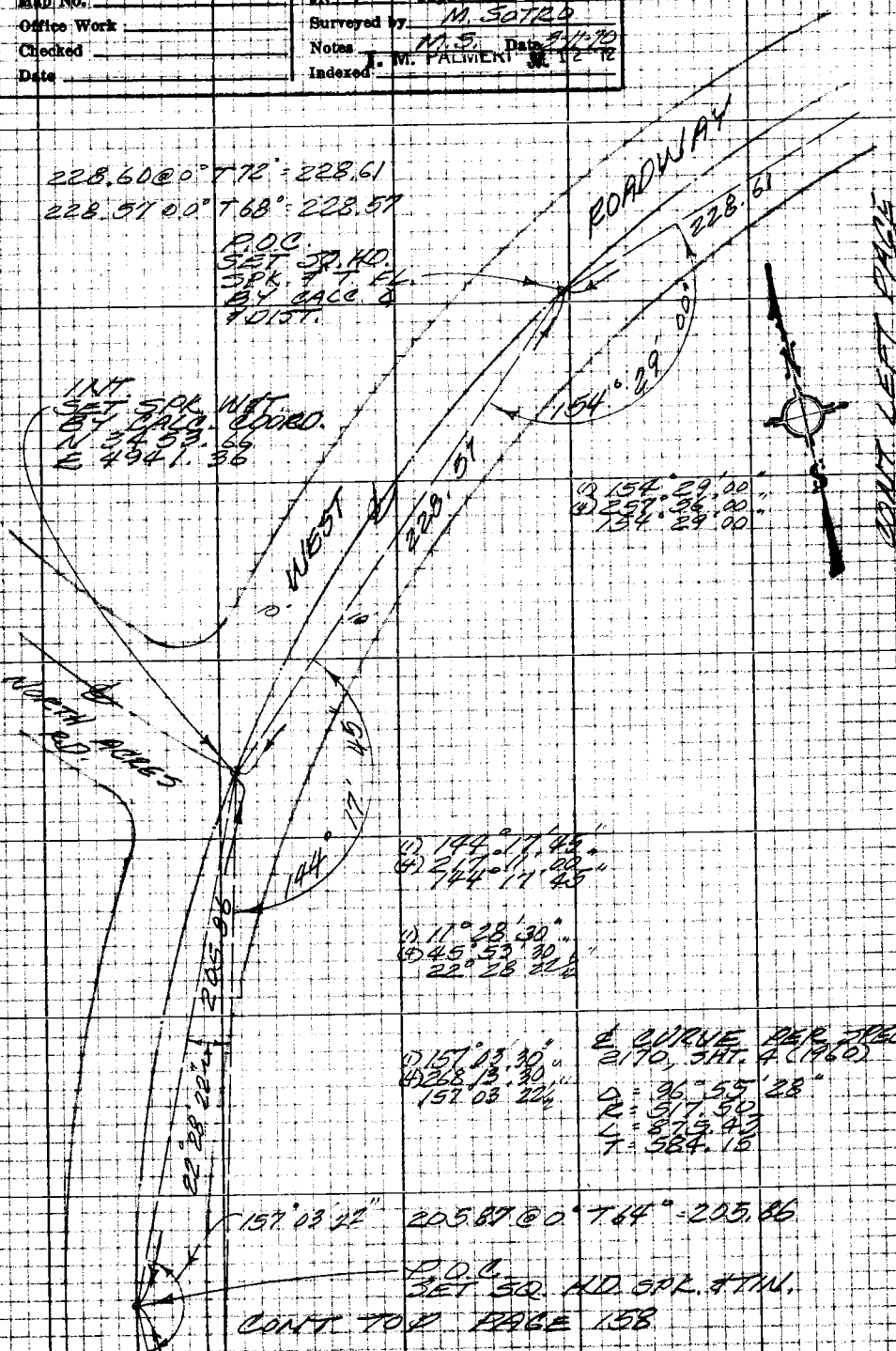


Notes Ck'd by	Survey of ARBORETUM	F.B. 2284 Pg. 157
Map No.	JN 0016.52 Tape 0216 Std 68 °F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M.S. Date 3-11-70	
Date	Indexed I. M. PALMIERI 12 12	



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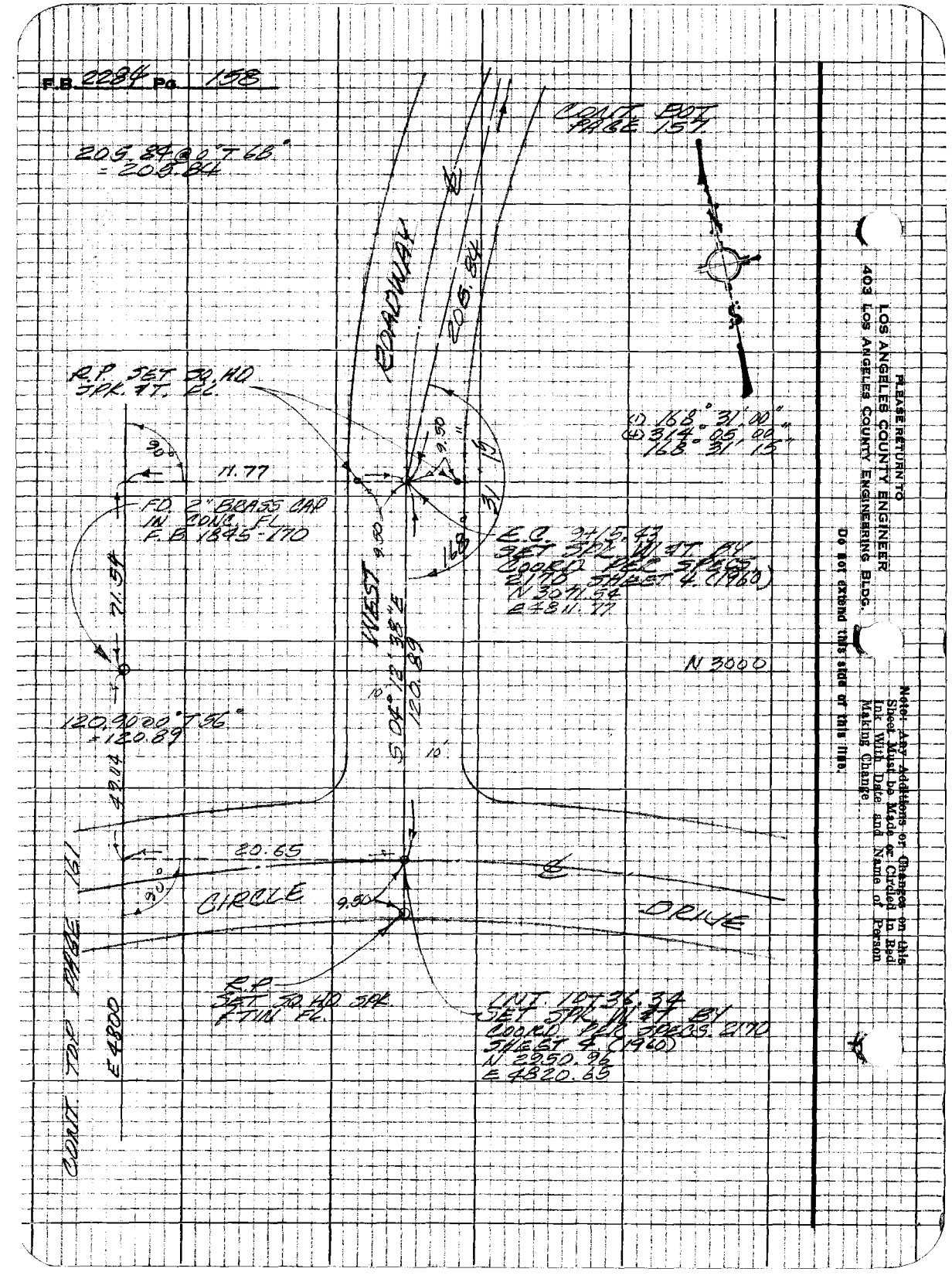
403 LOS ANGELES COUNTY ENGINEERING BLDG.

7623095 CE #310 5-66

F.B. 2284 Pg. 158



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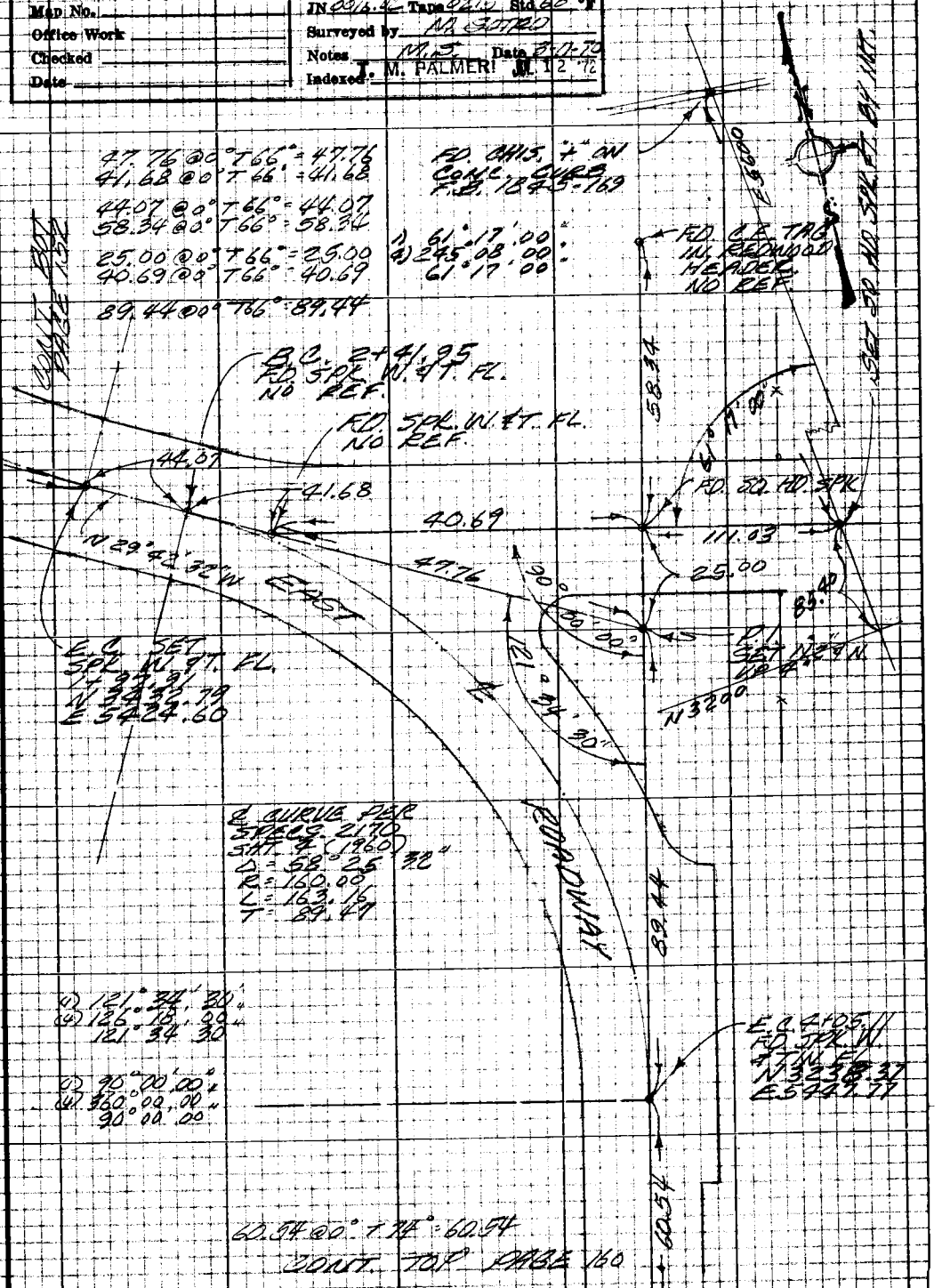
Notes Ck'd by	Survey of ARBORETUM	F.B. 2284 Pg. 159
Map No.	JN 0016.02 Tape 0215 Std 68 °F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M.S. Date 3-17-70	
Date	Indexed T. M. PALMER! JUL 12 '72	



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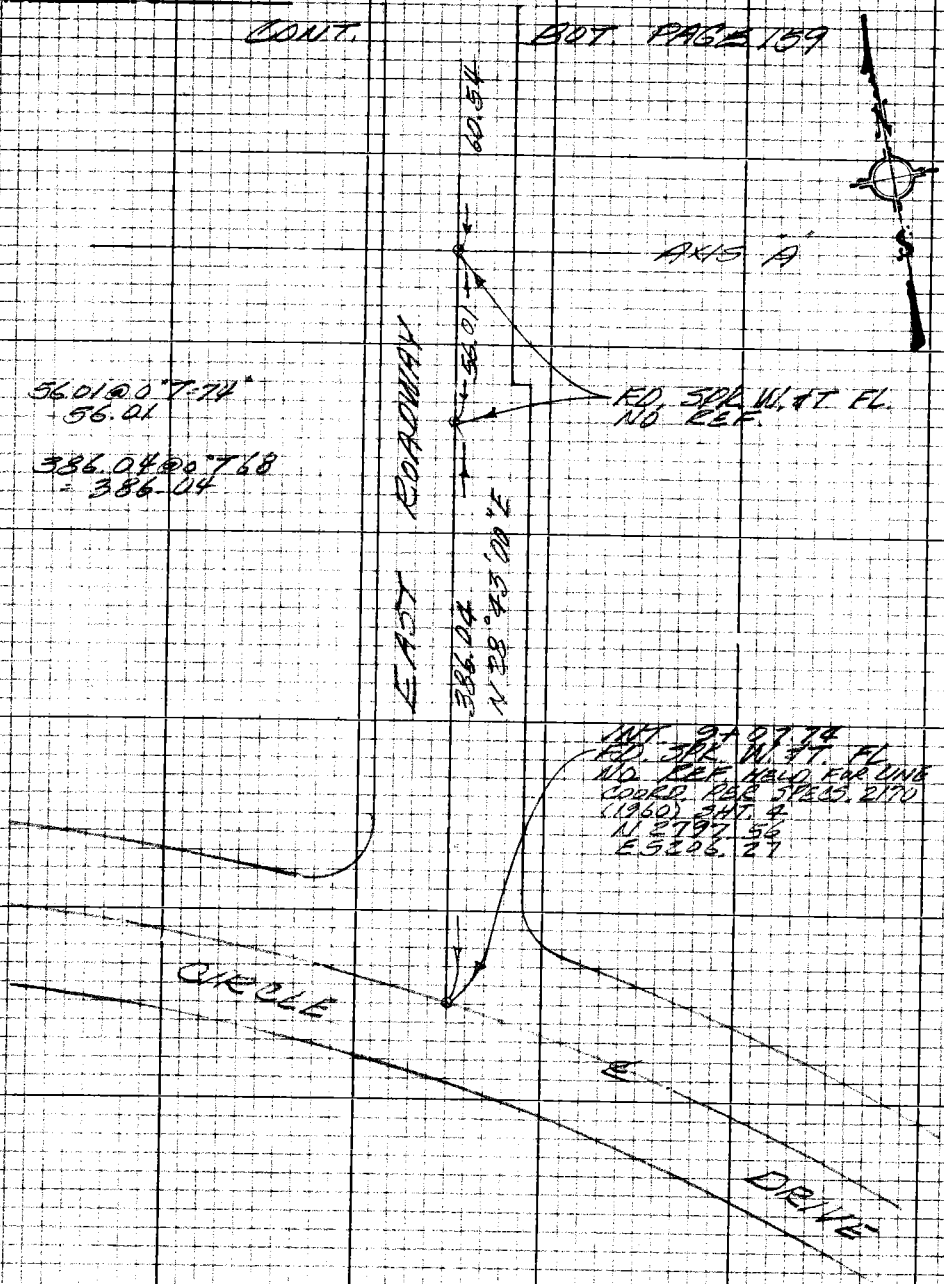
76P3098 CE #310 5-66

F.B. 2284 Pg. 160

CONT. BOT. PAGE 159



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JN 00116.02 Tape Std 68 °F
Surveyed by M. SOTRO
Notes M.S. Date 11-5-71
Indexed I. M. PALMERI

F. B. 2284 PG. 161

CONT. BOT. LEFT

PAGE 158

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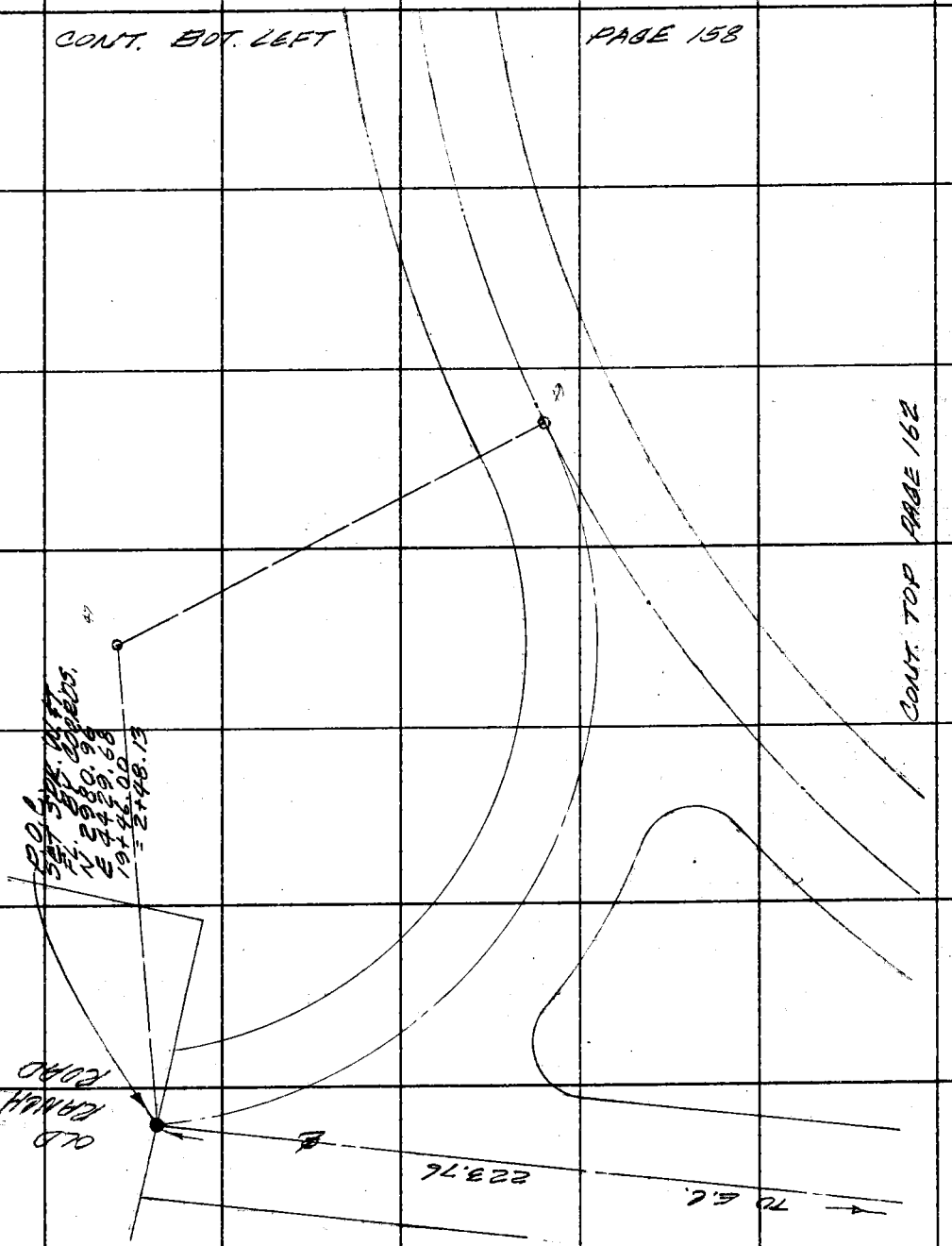

76F309S CE#310 3-69

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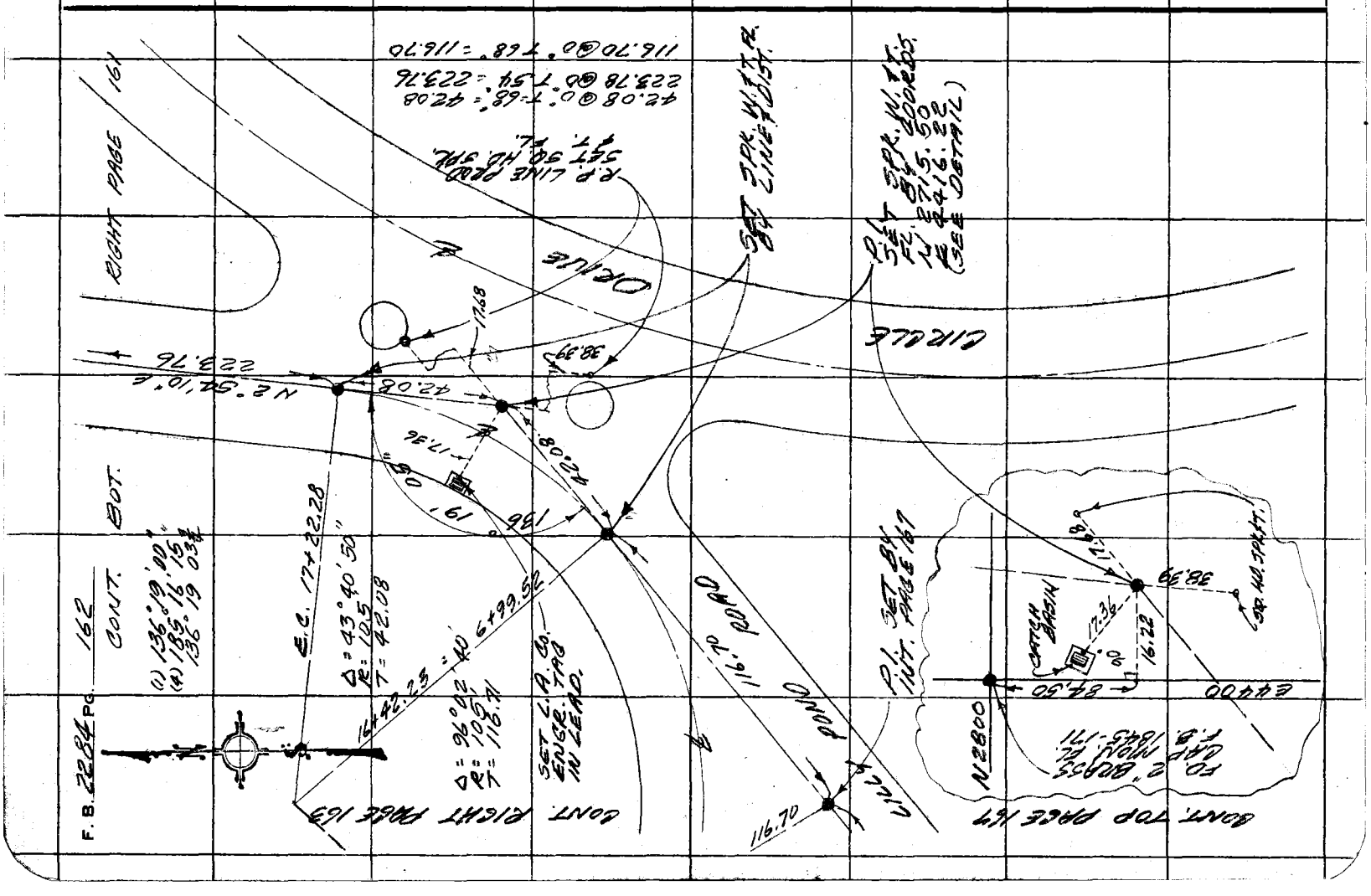
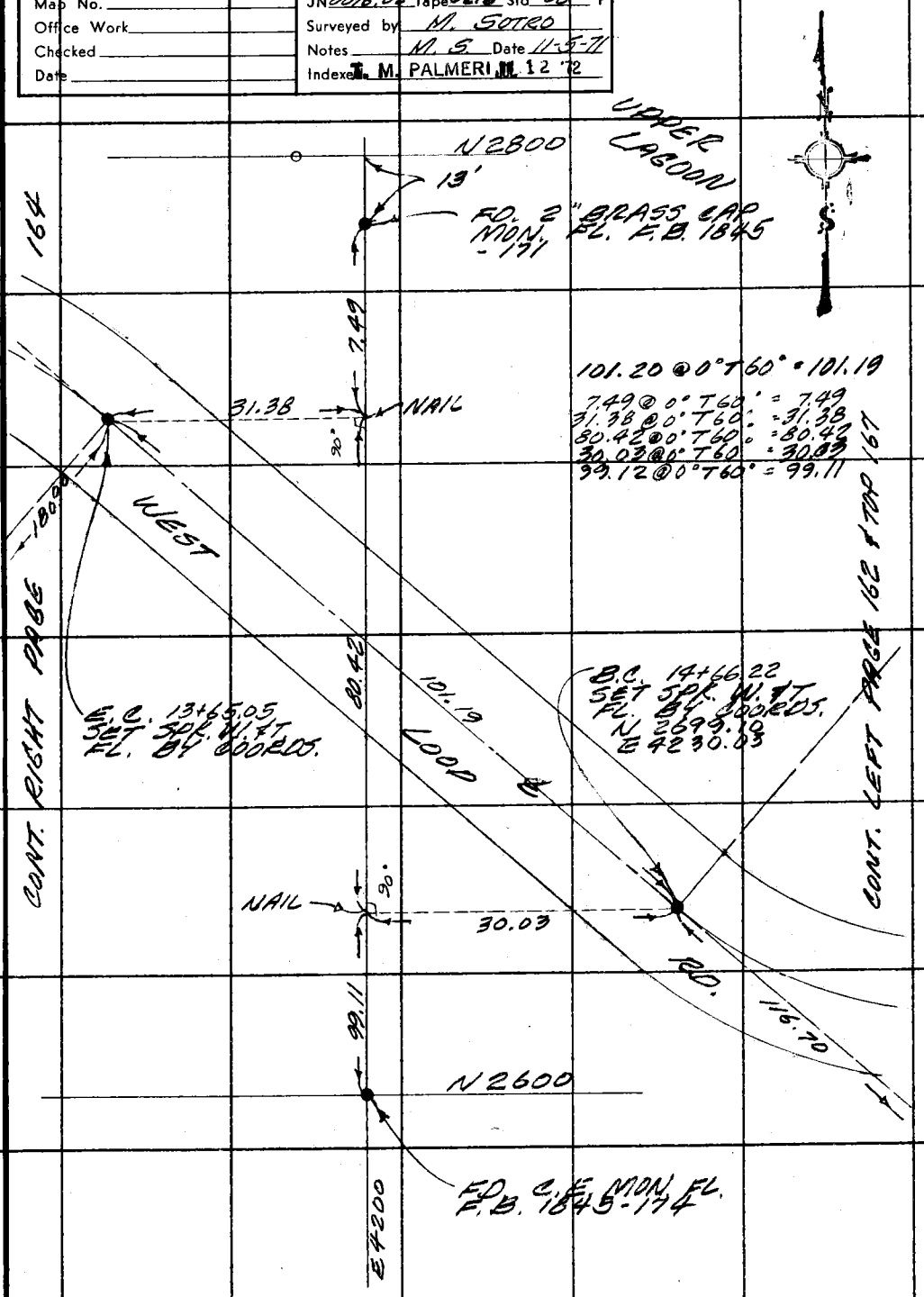


Notes Ck'd by	Survey of ARBORETUM
Map No.	JN 0016.02 Tape #0216 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M. S. Date 11-5-71
Date	Indexed T. M. PALMERI JUL 12 '72

F. B. 2284 PG. 163



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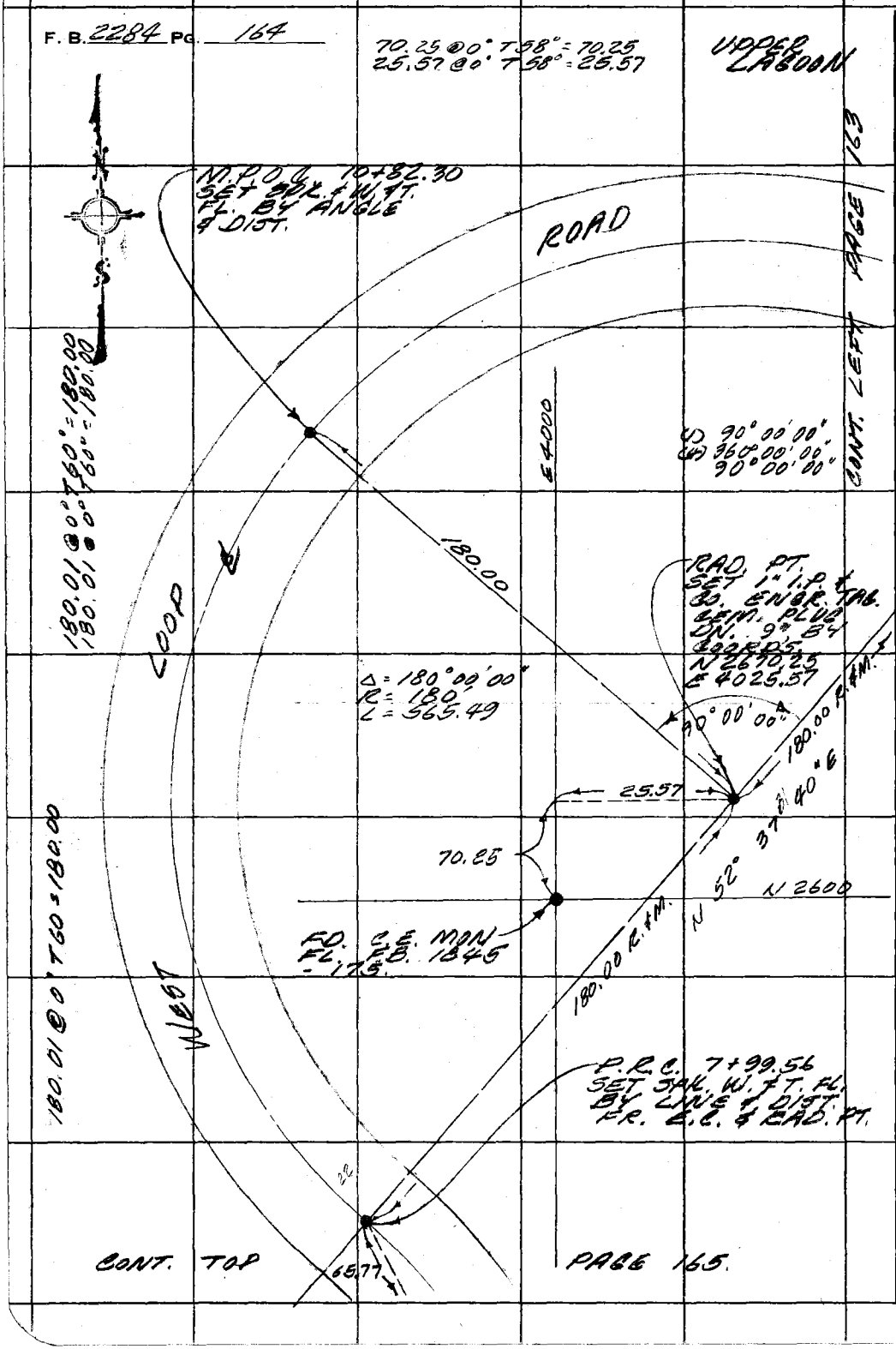
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2284 PG. 164



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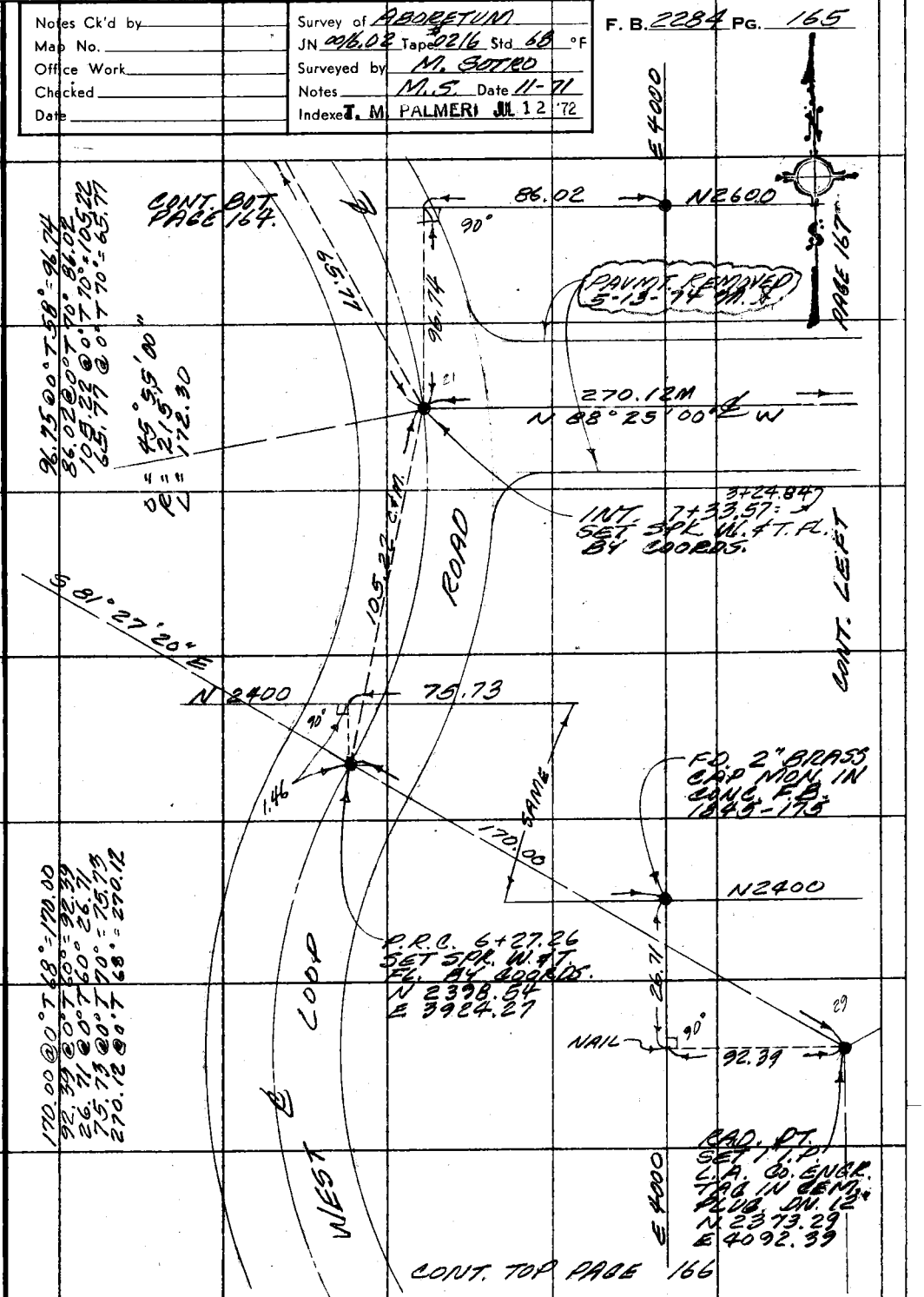
Notes Ck'd by	Survey of ABORETUM
Map No.	JN 0016.02 Tape #0216 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M.S. Date 11-71
Date	Indexed T. M. PALMERI JUL 12 '72

F. B. 2284 PG. 165



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76F309S CE#310 3-69

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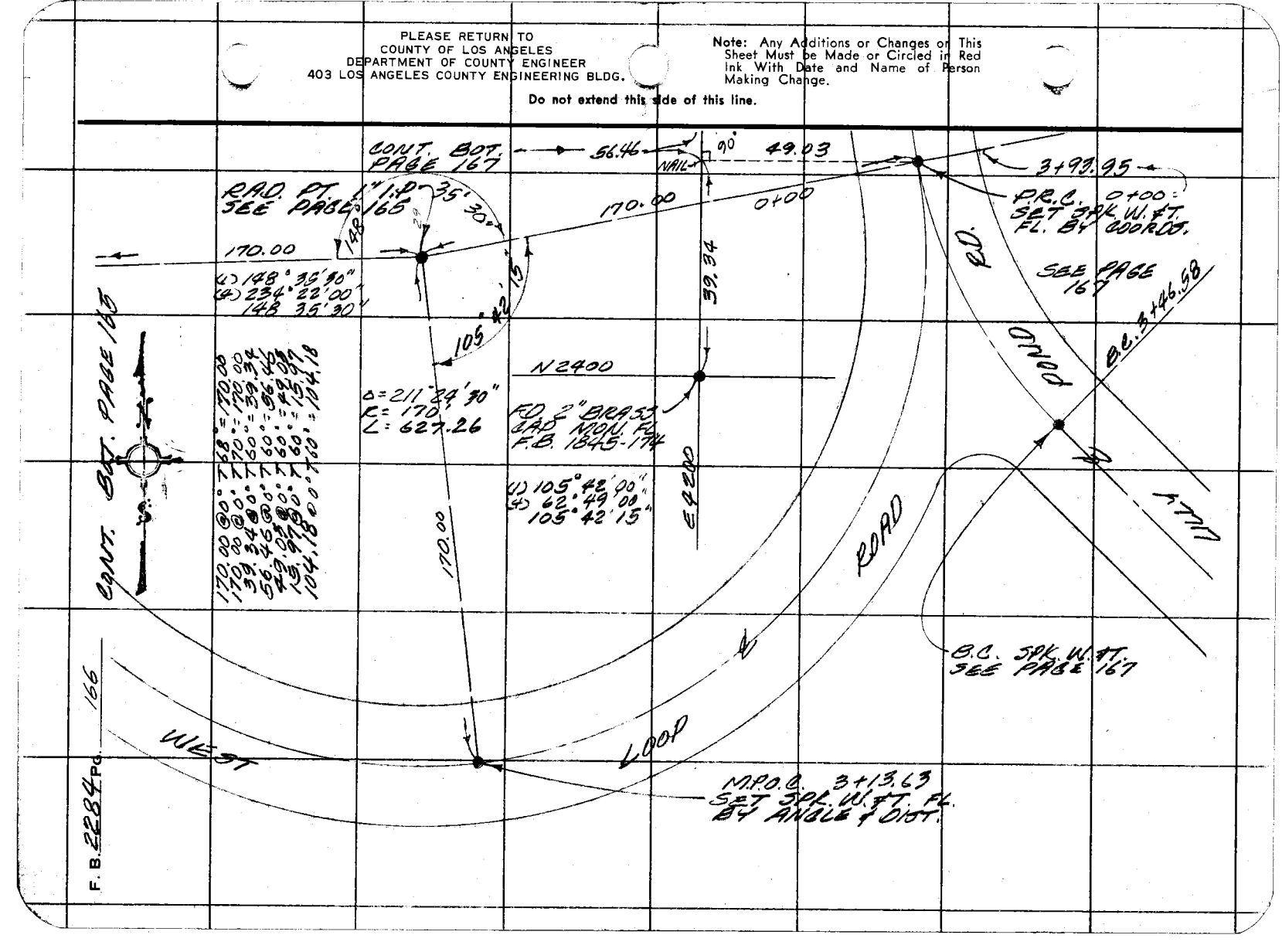
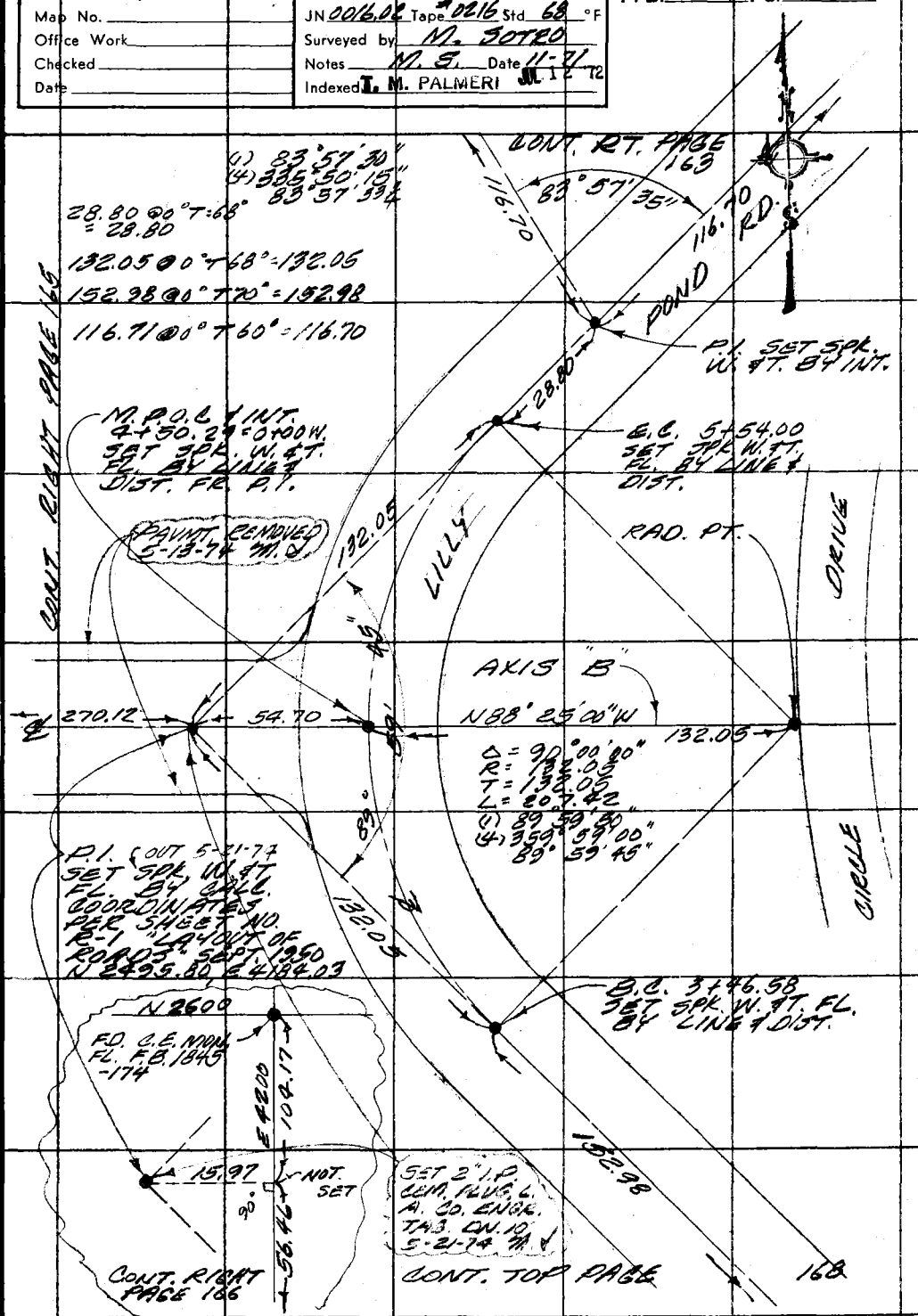


Notes Ck'd by	Survey of L. A. STATE & Co. ARBOR
Map No.	JN 0016.02 Tape #0216 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M. S. Date 11-71
Date	Indexed T. M. PALMERI JUL 12 '72

F. B. 2284 PG. 167



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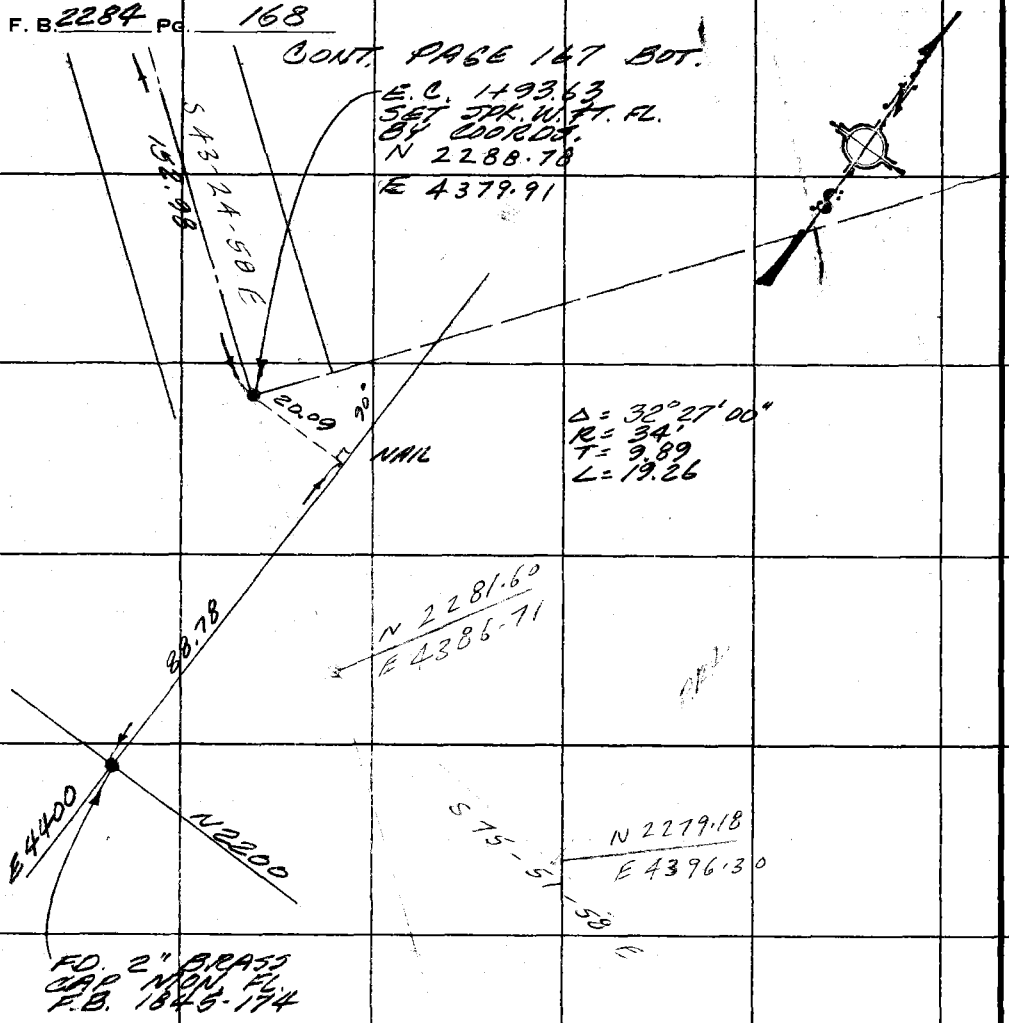
76F309S CE#310 3-69

F. B. 2284 PG. 168

CONT. PAGE 167 BOT.



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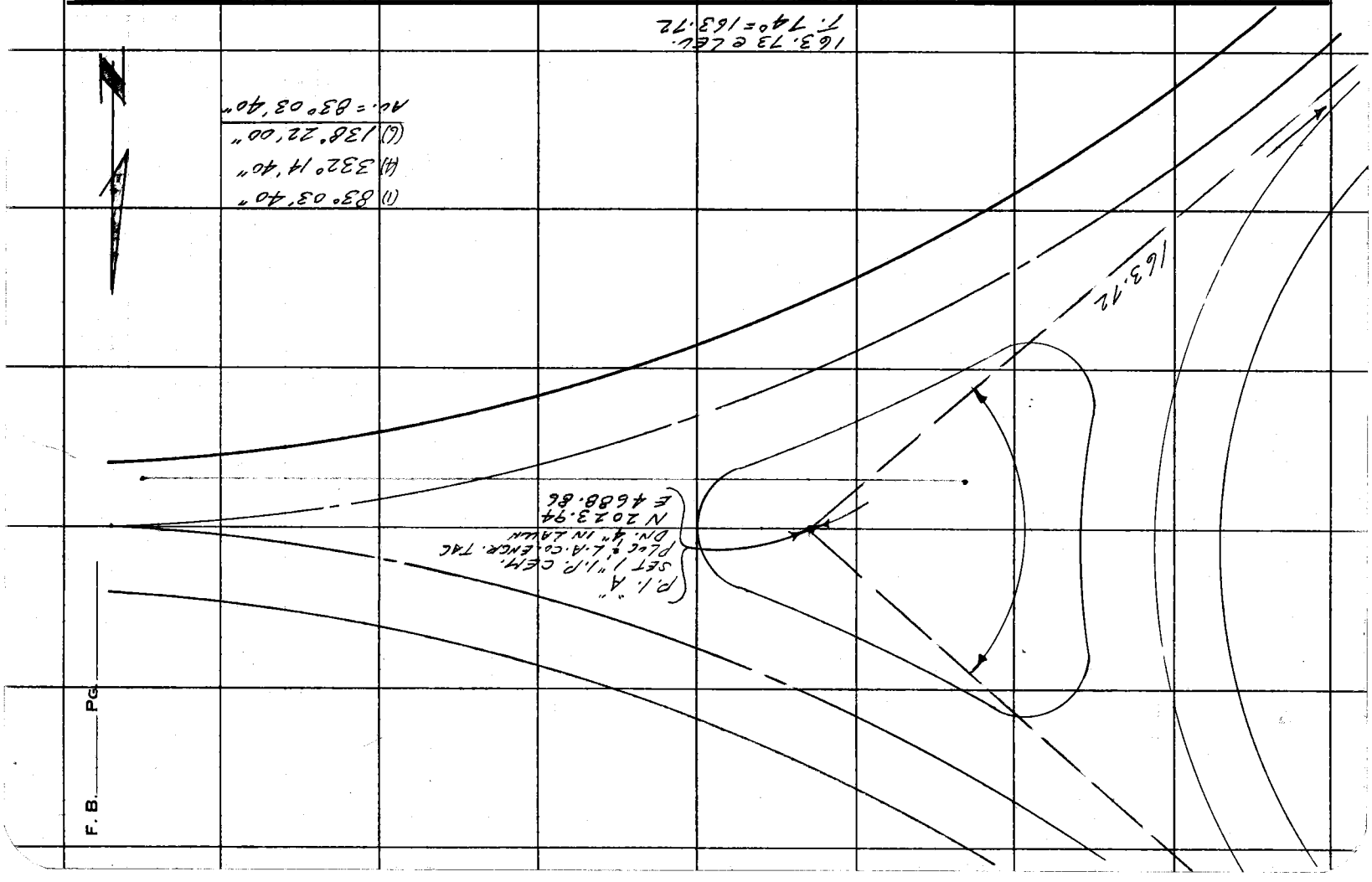

F. B. _____ PG. _____

76F309S CE#310 3-68

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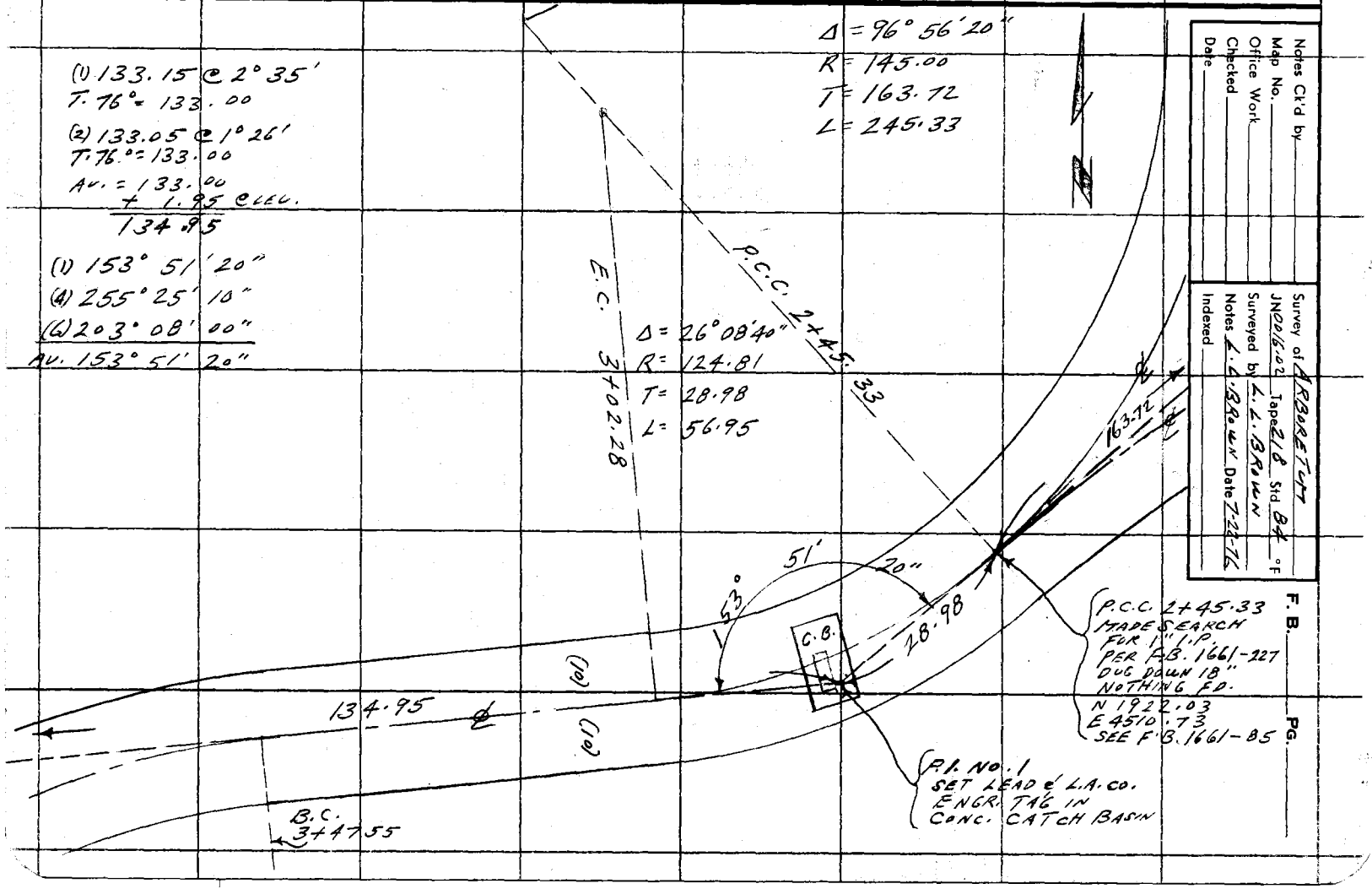

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of ARBORETUM
JN 0016.02 Tape 218 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 7-22-76
Indexed

F. B. PG.

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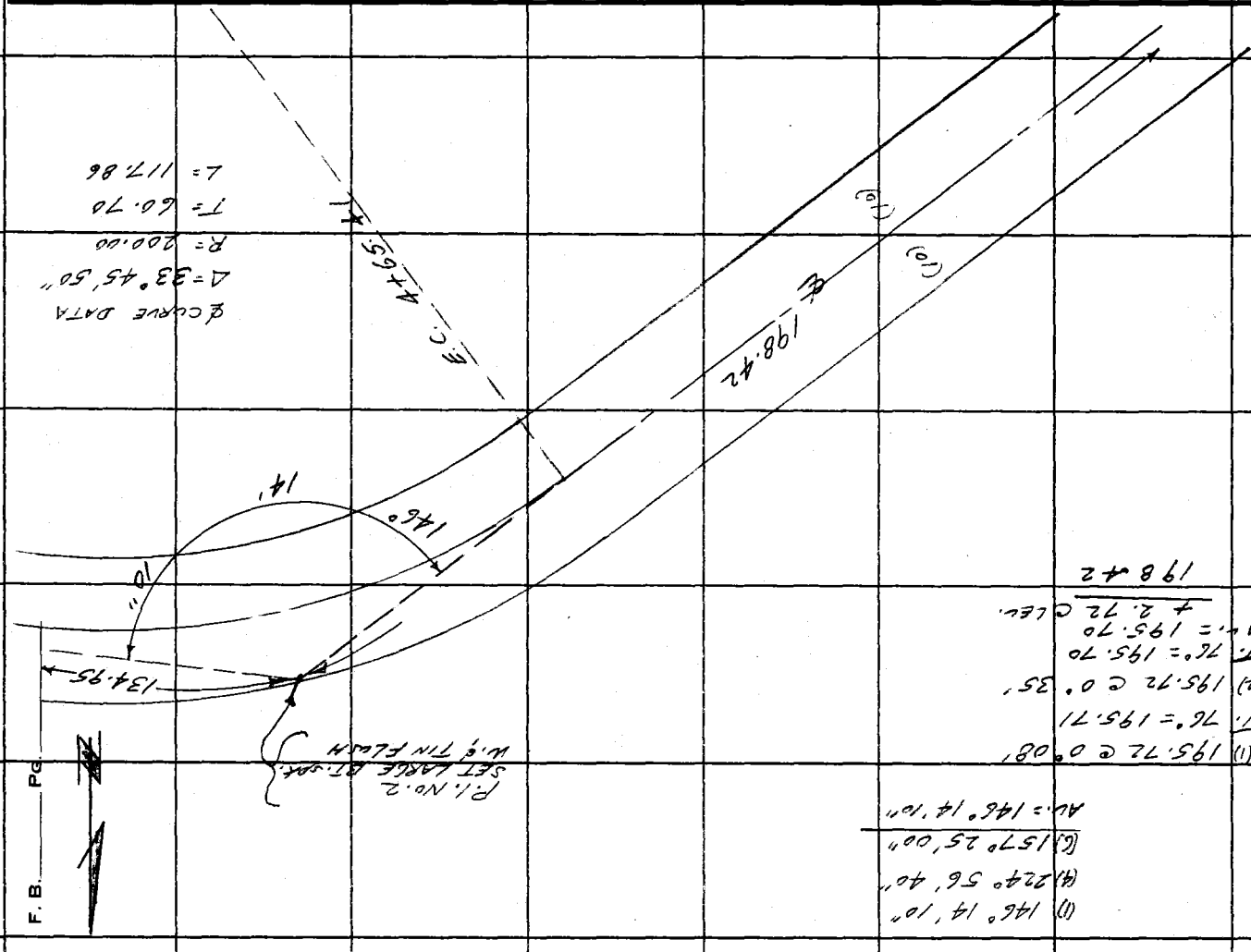

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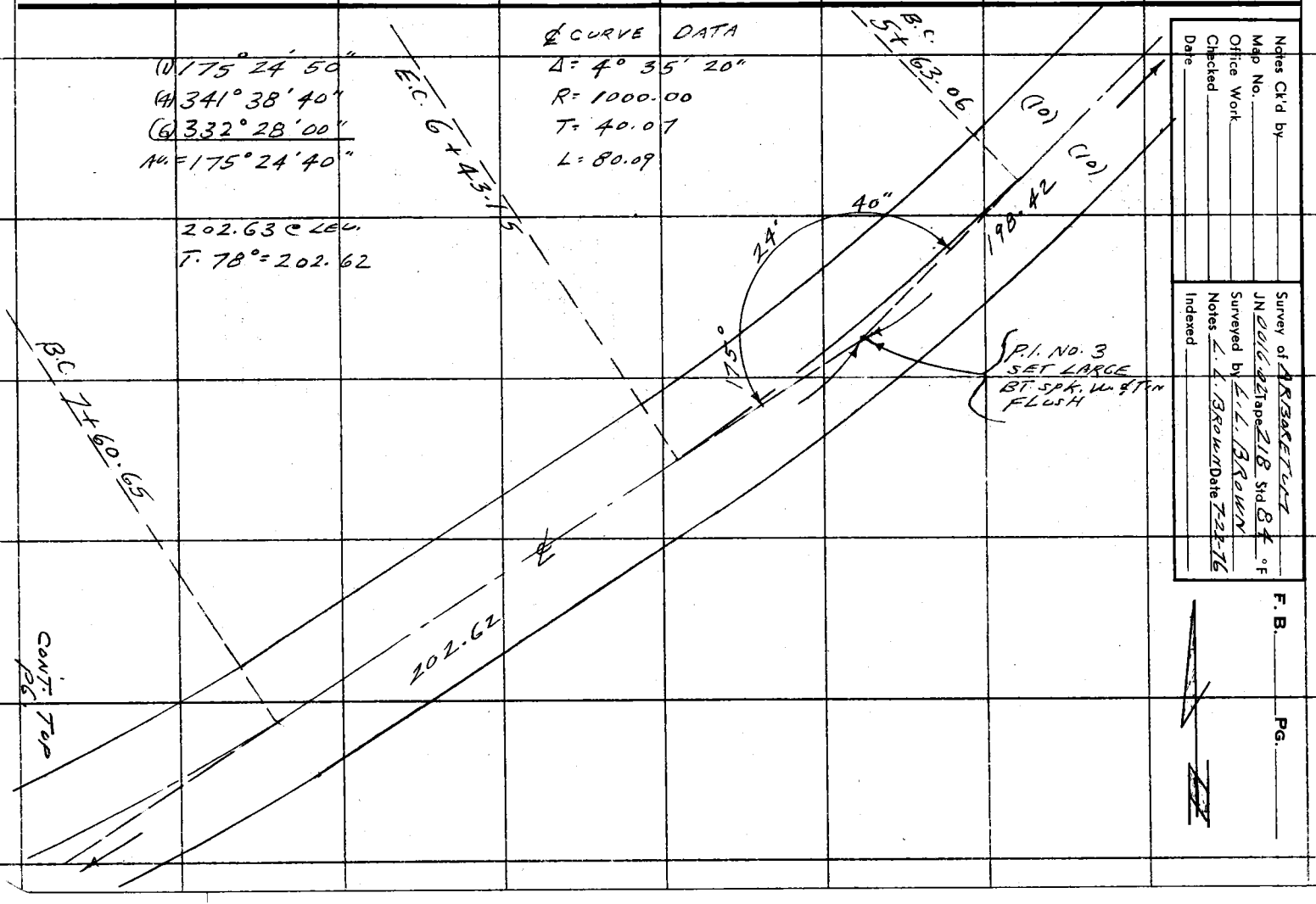

Notes Ck'd by _____
Map No. _____
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Survey of ARCADIA TRACT
JN 2016 42 Tape 218 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 7-21-76
Indexed _____

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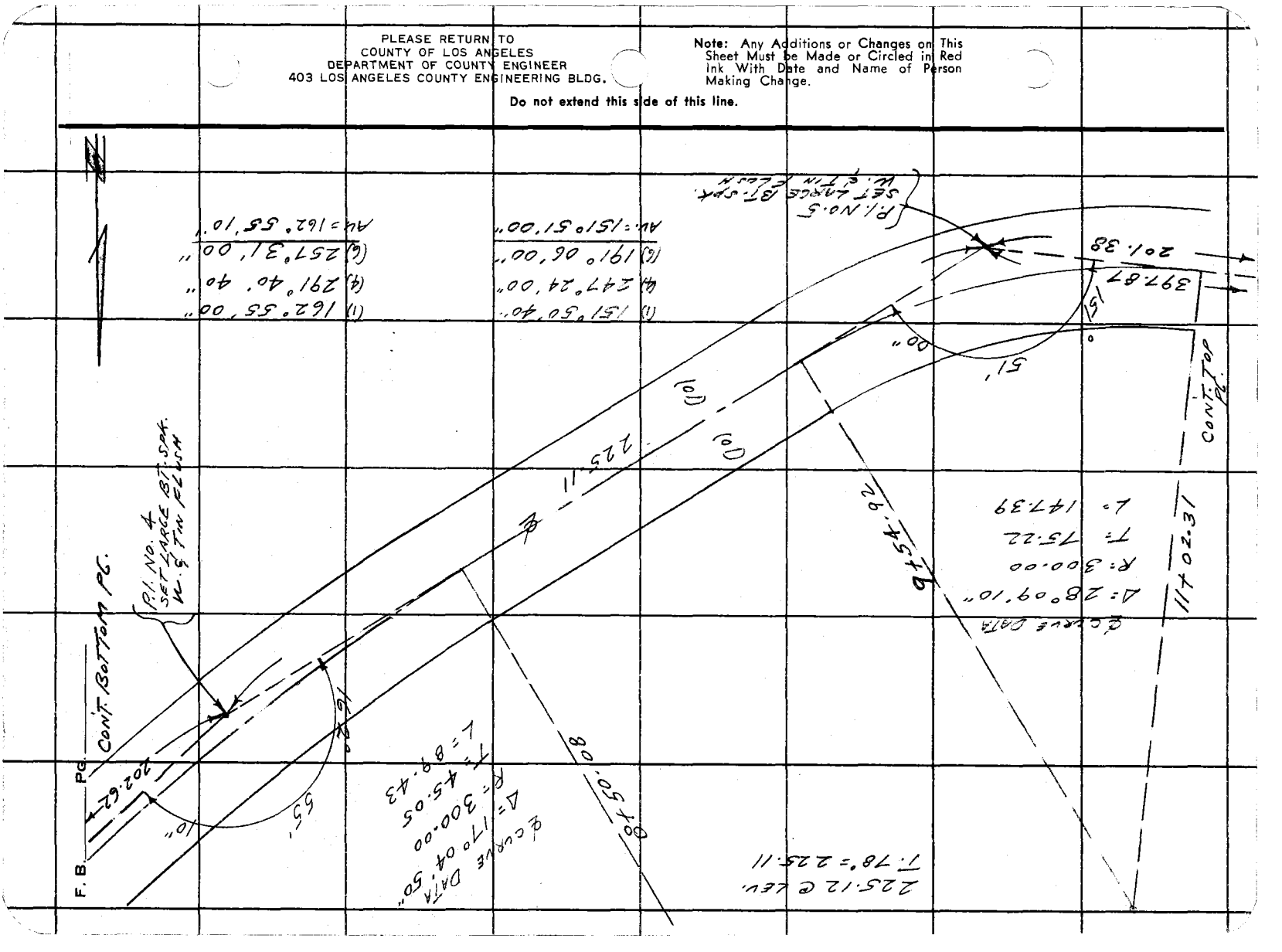

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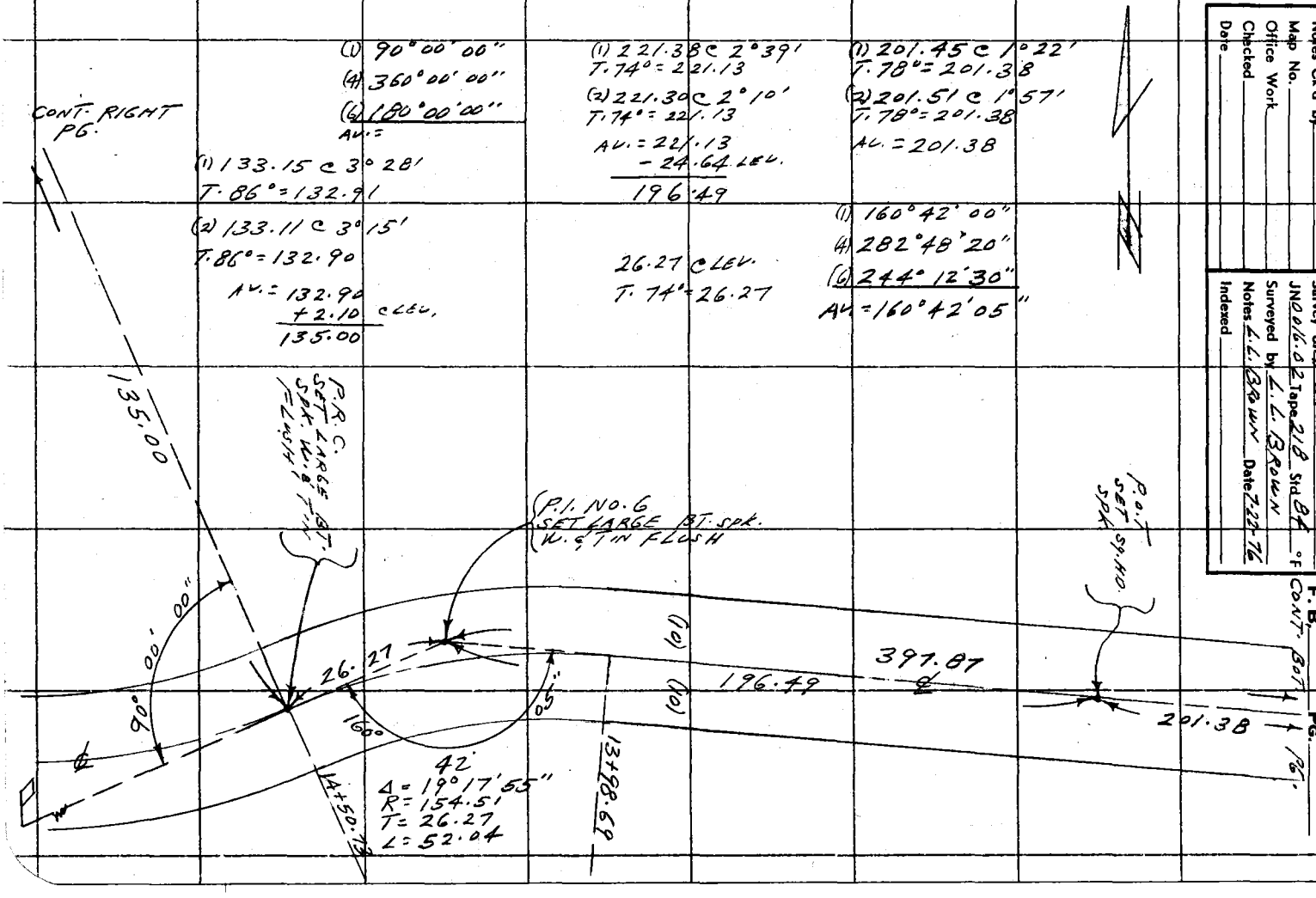
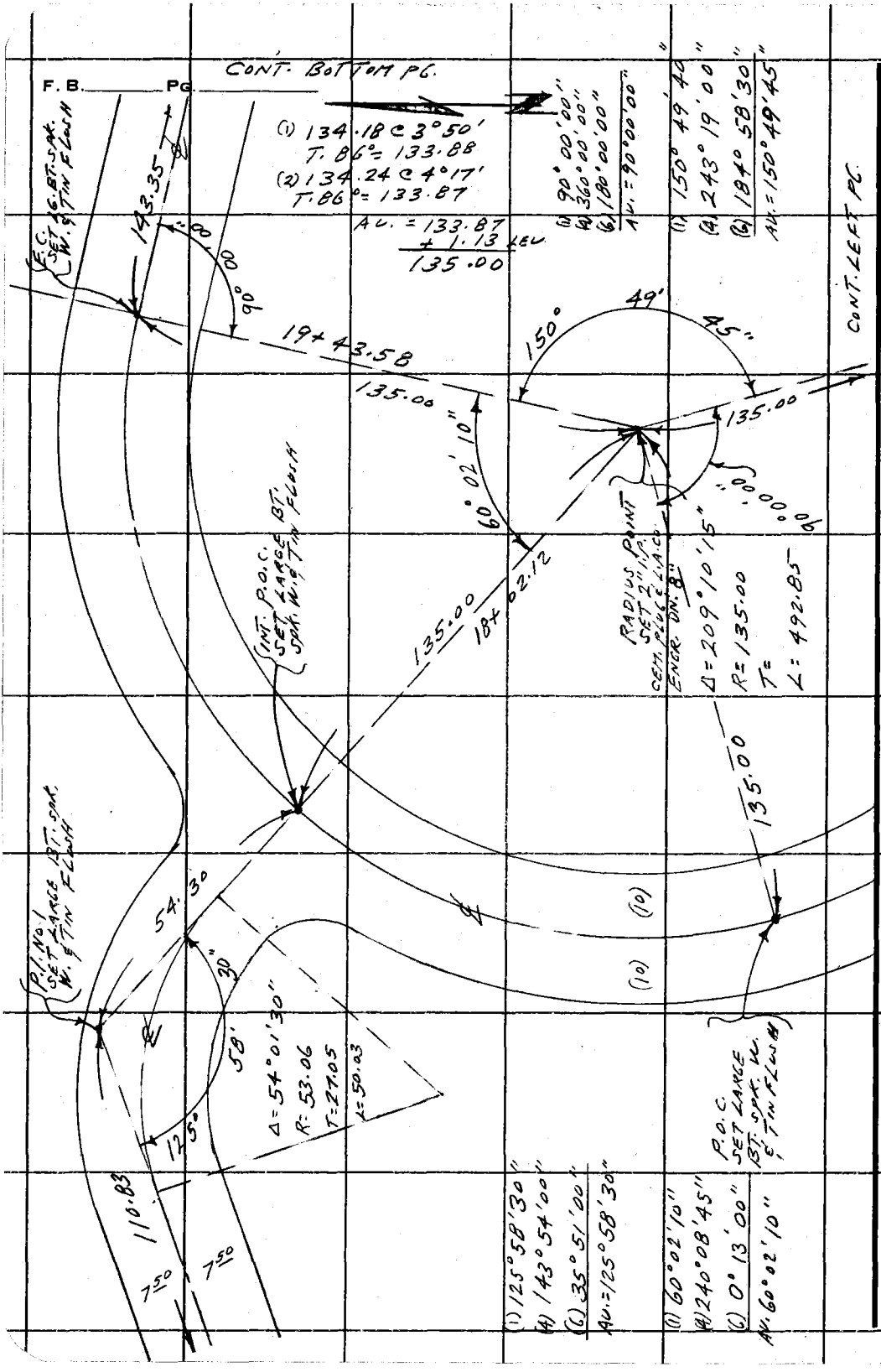
Map No.
Office Work
Checked
Date

Survey of ARBORETUM
JN0016.02 Tape 218 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 7-22-76
Indexed

F. B. PG.





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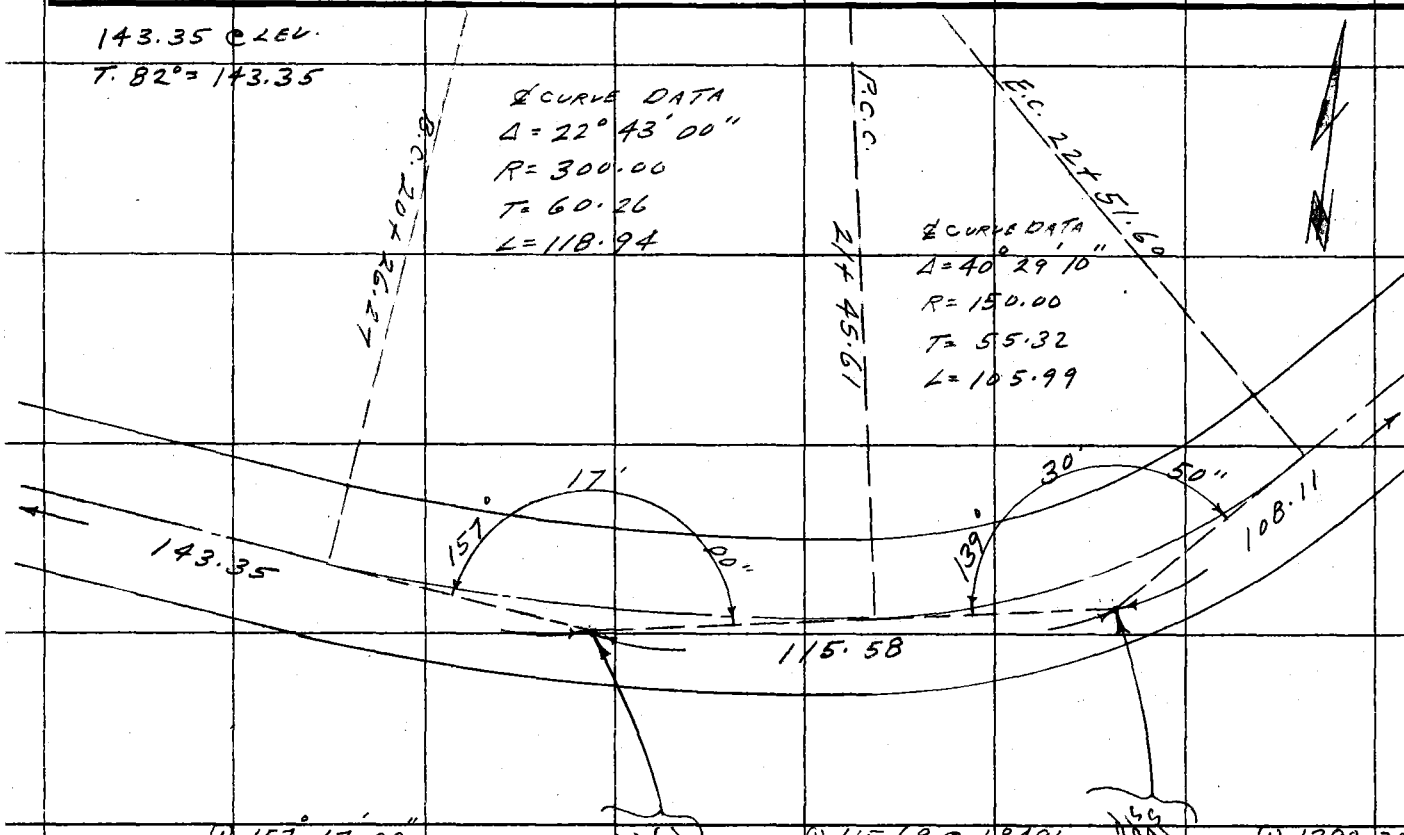

(1) 157° 17' 00"
(4) 269° 08' 00"
(6) 223° 42' 00"
AV. = 157° 17' 00"

P.I. No. 8 SET LARGE BT. SPK. W. & TIN FLUSH

(1) 115.69 @ 1° 49'
T. 92° = 115.64
(2) 115.66 @ 1° 08'
T. 92° = 115.65
AV. = 115.64
− 0.06 LEV.
115.58

P.I. No. 9 SET LARGE BT. SPK. W. & TIN FLUSH

(1) 139° 30' 50"
(4) 198° 03' 20"
(6) 117° 05' 00"
AV. = 139° 30' 50"

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Map No.
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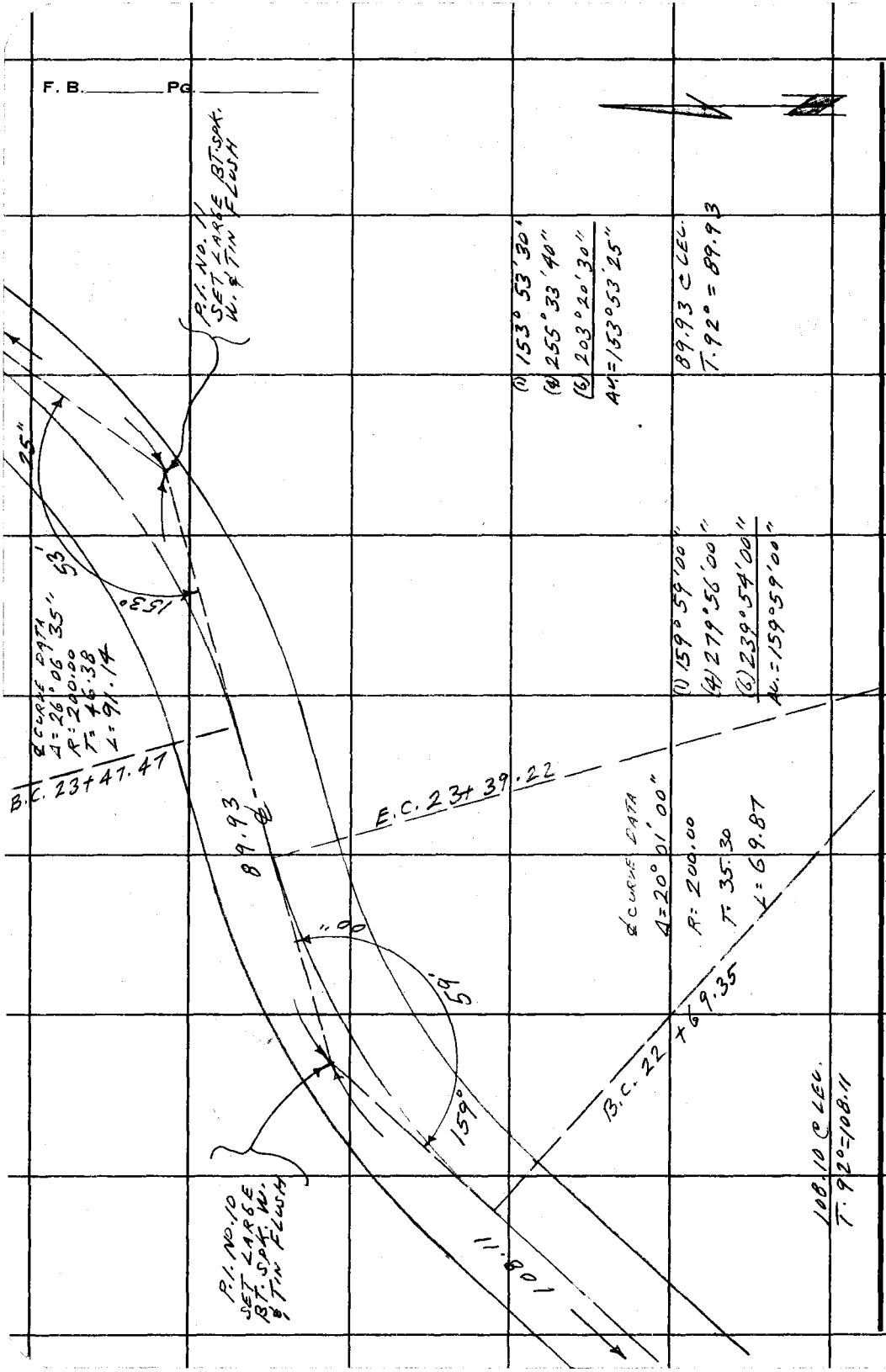
JN 0016.02 Tape 218 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 7-22-76
Indexed

F. B. PG.

F. B. _____ PG. _____



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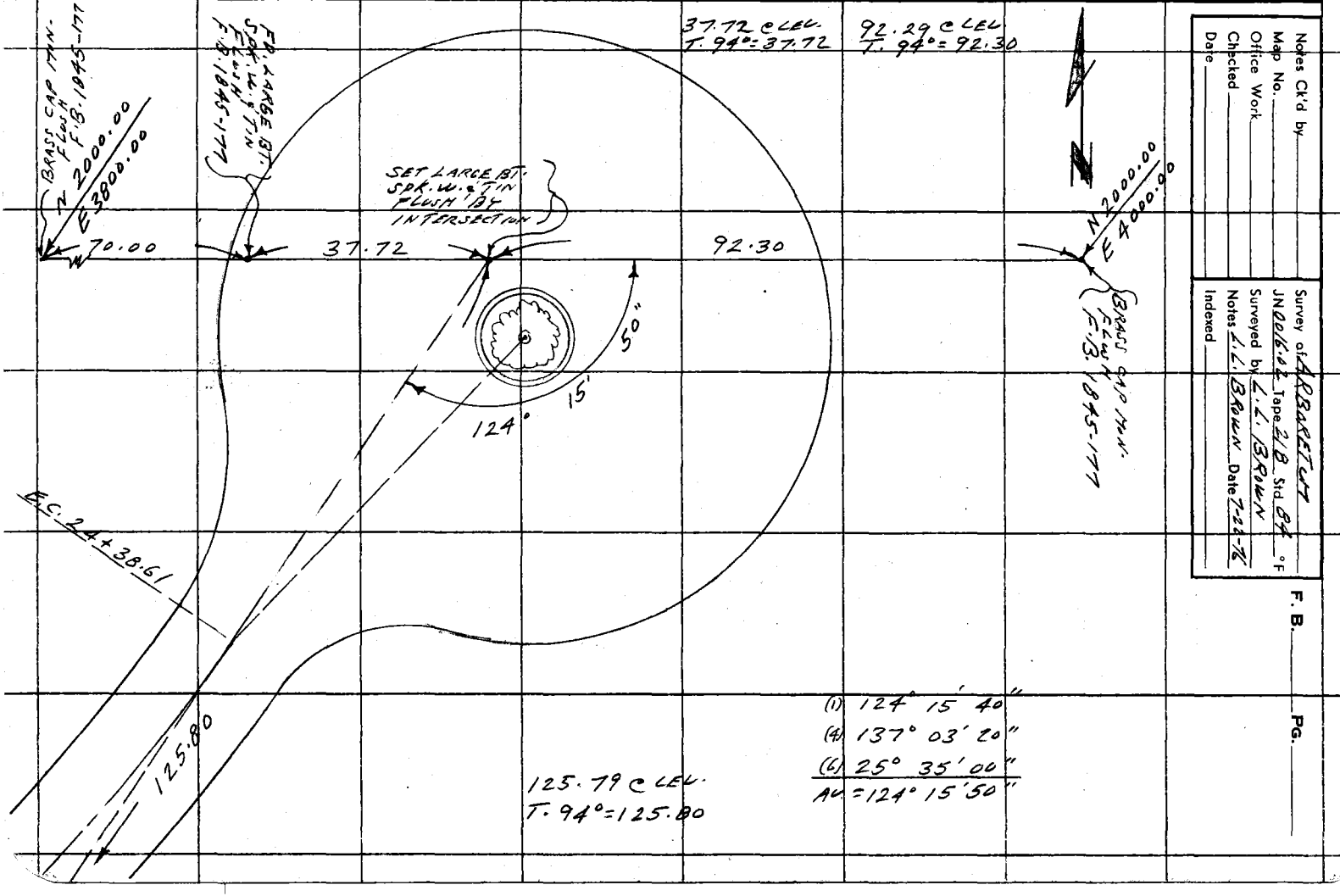

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Date _____

Survey of ARBARETUM
JN 0016-02 Tape 218 Std. 84 °F
Surveyed by L.L. BROWN Date 7-21-76
Notes L.L. BROWN
Indexed _____

F. B. _____ PG. _____

F. B. _____ PG. _____

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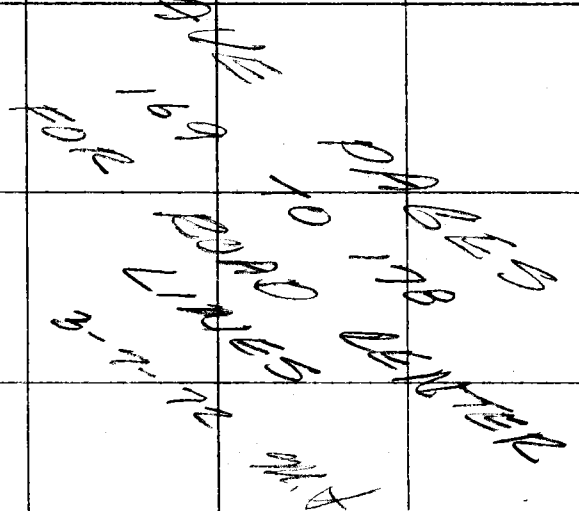
Office Work
Checked
Date

Survey of
JN
Tape Std °F
Surveyed by
Notes
Date
Indexed

F. B. PG.



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Map No.
Office Work
Checked
Date

Survey of L.A. STATE & CO. ARBOR.
JN 0016.02 Tape — Std — °F
Surveyed by M. SOTRO
Notes M.S. Date 2-9-72
Indexed T. M. PALMERI JL 12 72

F. B. 2284 PG. 179

0016.02

LOS ANGELES

STATE AND COUNTY

ARBORETUM

TRANSIT LINE FOR PROFILE FROM WATER-FALL NORTH TO OAK TREE AT UPPER LAGOON.

SEE PAGES 181 TO 183 FOR PROFILE (ELEVATIONS)

SOTRO
FALSEY
HENDERSON
BOKETH

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76F309S CE#310 3-69

F. B. 2284 Pg. 180

UPPER LAGOON

6+53.2 OAK TREE

6+64 (END)

6+48.2 SET N2 N.&T.

5'

K-11

K-10

39.7'

15'

59.4

N 2800

6

L-11

6+29.7 WEST LOOP ROAD (PAVED)

2" BRASS CAP MON. F.B. 1845 -171.

13'

L-10

5

TRANSIT LINE

E 4200

4

3+03.0 ROAD (PAVED)

3

℄

DIRT

PATH

M-12

E 4000

M-11

2" BRASS CAP MON. F.B. 1845-176

2

LAWN

FLOWER BED

N 2400

N-12

N-11

200.8

1

0+16.8 WEST LOOP ROAD (PAVED)

0+00 (NAIL) EDGE OF CONC.

25.7

0+00

POOL

WATER-FALL

0-12

0-11

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Profile No.	Notes Red	Plotted	Job No. 0016.02	Division No.
	Date	Date	Survey of L.A. State & Co Arboretum	
X-Sec. No.	Notes Chk'd.	Checked	Survey by M. Sotro	Notes J.F. Date 2-9-72
	Date	Date	Map No.	Indexed T.M. PALMERI Date JUL 12 '72

JN 0016.02

L.A. State & County Arboretum

Profile:

Profile Going N'ly Along ⊼ Line 0+00 at Headwall at Water Falls To 6+64 at Edge Water Upper Lagoon By Red Oak Tree

Used Lenker Rod.
Zeiss Level

Reference: Horizontal Control FB 2284 - 179, 180

STATION	B. S.	H. I.	F. S.	ELEV.
				M. Sotro J. Falsey J. Henderson D. Boxeth

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76-L-298 CE 307 5-66

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M.				523 95	[illegible] Cap Mon N-2400 E-4000 Elev. 523.95 FB1845-196	
0+00				524 7	Top Conc. Edge Pool	
				524 4	Top WATER	
					WATER IN Pool 2° OR Deeper	
0+12				524 00	EDGE PUM'T.	
0+16 8				524 10	℄ - (CROWN) Pum't.	
0+27 3				523 87	EDGE PUM'T.	
0+43				524 5	Gr Break	
0+50				524 1	Gr	
1+00				523 6	Gr	
1+50				523 3	Gr	
2+00				522 8	Gr	
2+50				522 3	Gr	
T.P.				521 28	Nail	
2+86				521 9	Gr Break	
2+93				521 17	Edge Pum't	
3+03				521 27	℄ Pum't (CROWN)	
3+12 5				521 10	Edge Pum't	
3+22				522 00	Gr Break	

F. B. 2284 Pg. 182

Job No. 0016.02 Division No. Notes Red Plotted Profile

Survey of L.A. Shelby Co Arboretum Date Date No.

Survey by M. Sotro Notes J. Falsey Notes Chk'd. Checked X-Sec.

Indexed I. M. PALMERI Date Date No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.		
3+50				523 1	GR.	
4+00				523 8	GR	
4+50				524 4	GR	
5+00				525 0	GR	
TP				524 57	QC.	
5+50				524 7	GR	
5+85				524 5	GR Break	
6+00				522 0	GR	
6+186				519 08	Edge Pvmt	
6+297				519 43	℄ Pvmt	
6+41°				519 16	Edge Pvmt	
6+48²				519 40	1x2 NLT	
6+56°				519 0	GR Break (Top Bank)	
6+64				515 0	Edge WATER Upper Lagoon	
BM.				518 22	Brass Cap Mon Elev 518.31 FB1845-194 N 2800 E 4185	

Profile Notes Red ____ Plotted ____ Job No. 00/6.02 Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes JF Date 2-9-72
No. ____ Date ____ Date ____ Map No. ____ Indexed T. M. PALMERI Date JUL 12 '72

F. B. 2284 PG. 183

Notes Ck'd by	Survey of ARBORETUM F. B. 2284 PG. 185
Map No.	JN 8740.46 Tape #0215 Std 68 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M.S. Date 5-23-74
Date	Indexed

8740.46

LOS ANGELES

STATE AND COUNTY

ARBORETUM

CONSTRUCTION STAKING
FOR
TROPICAL PLANT GREENHOUSE
L.A. CO. NO. 5381

REF: SPECL. NO. 2500 R1-1, 2
F.B. 1845

TWO COPIES GIVEN TO INSPECTOR 5-23-74 M.S.

SOTRO
FALSEY
WEST
LYBRAND

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76F3095 CE#310 3-68

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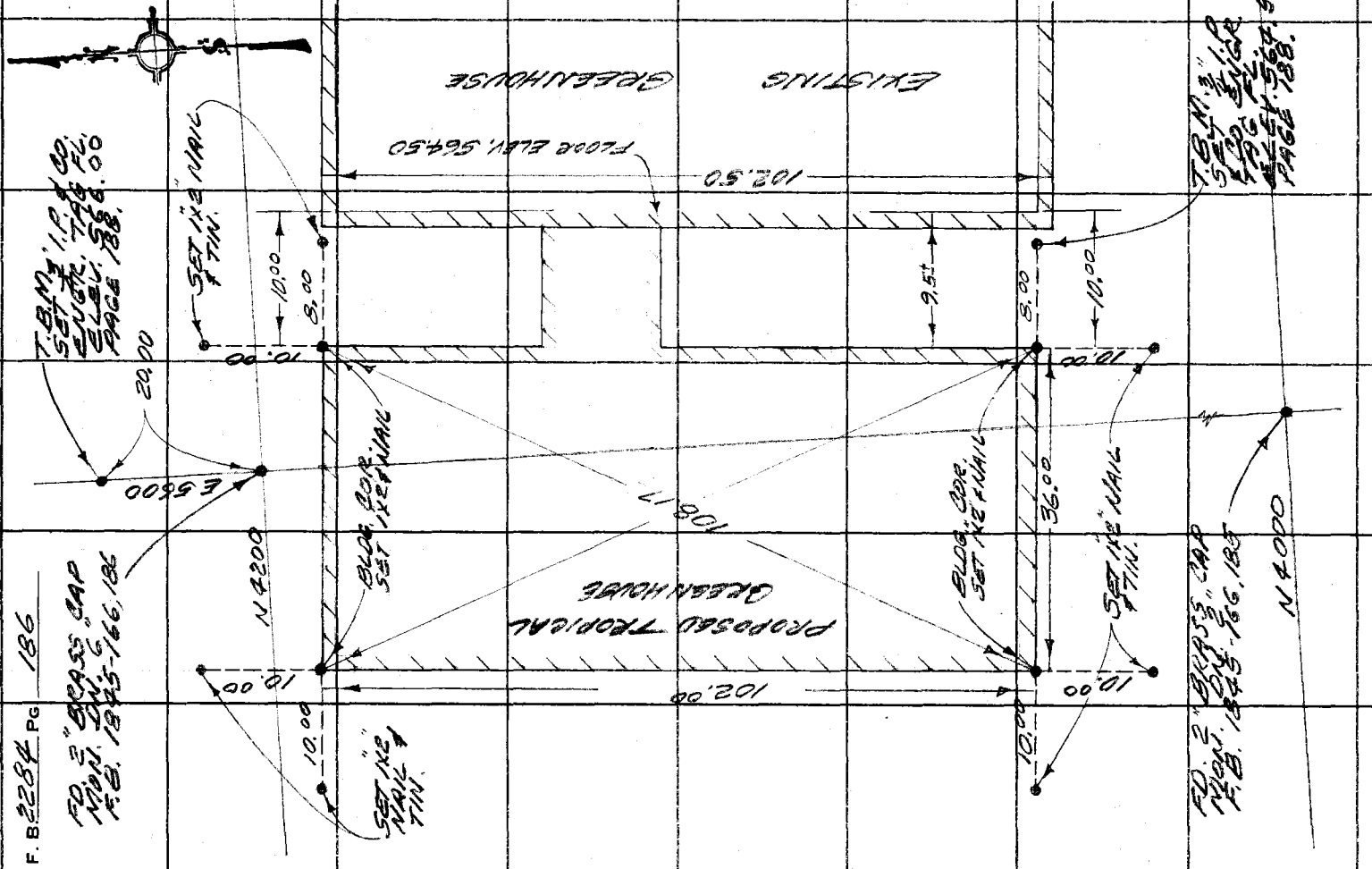

F. B. 2284 PG 186

F. B. 2284 PG. 187

Profile No. | Notes Red | Plotted | Job No. 8740.46 | Division No. 11
Date | Date | Survey of L.A. STATE & CO ARBORETUM
X-Sec. No. | Notes Chk'd. | Checked | Survey by M. SOTRO Notes J.F Date 5-23-74
Date | Date | Map No. | Indexed | Date

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STATION | B.S. | H.I. | F.S. | ELEV.

J.N. 8740.46

L.A. STATE AND COUNTY ARBORETUM

L.A. COUNTY BUILDING # 5381

NEW TROPICAL PLANT GREENHOUSE.

VERTICAL CONTROL

MAY 23, 1974

REF. FB 1845 - 166, 185, 186
FB 2284 - 186
SPECS 2500 RI

M SOTRO
J. FALSEY
R WEST
J. LYBRAND
E. MOYA

76-L-298 CE 307 8-70

76-L-298 CE 307 8-70

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F.B. 2284 PG. 188 | Job No. 8740.40 Division No. | Notes Red | Date | Plotted | Profile
Survey of L.A. State & Co. ARBORETUM | Date | Date | No. | X-Sec.
Survey by M. Soto Notes J.F. | Notes Chk'd. | Checked | No.
Indexed | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
FD B.M.				564 62	B.M. EL = 564.62 FB 1845-166, 186	
					Fd BR CAP MON. N 4200 E 5600	
TBM.				564 50	TBM EL 564.50 TOP EXISTING CONC. FLOOR	
					Fd CH'X' FB 2284-186	
T.P.				564 85	Q.C.	
FD B.M.		LENKER ROAD		557 17	BM EL = 557.16 FB 1845-166, 185	
					Fd BR. CAP MON N 4000, E 5600	
TBM.				566 00	TBM EL = 566.00 FB 2284-186	
					3/4" I.P. CE. TAG N 4220 E 5600 R.P. TO	
					BRASS CAP MON.	
T.BM.				564 50	TBM EL = 564.50 FB 2284-186	
					3/4" IP. CE TAG RP 8.00 E'LY S.E. BLDG COR	
FD BM				564 62	BM EL = 564.62	

Notes Ck'd by	Survey of ARBORETUM
Map No.	J.N. 0016.02 Tape Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 6-19-75
Date	Indexed

F. B. 2284 PG. 189

L.A. STATE & CO. ARBORETUM
J.N. 0016.02
ADDITIONAL
COORDINATE GRID MONUMENTS

HUGO REID PARKING LOT
(OLD SANTA FE R.R. STATION)

PARTY
BROWN, L.L.
MASSEY, R.
HENDERSON, V.

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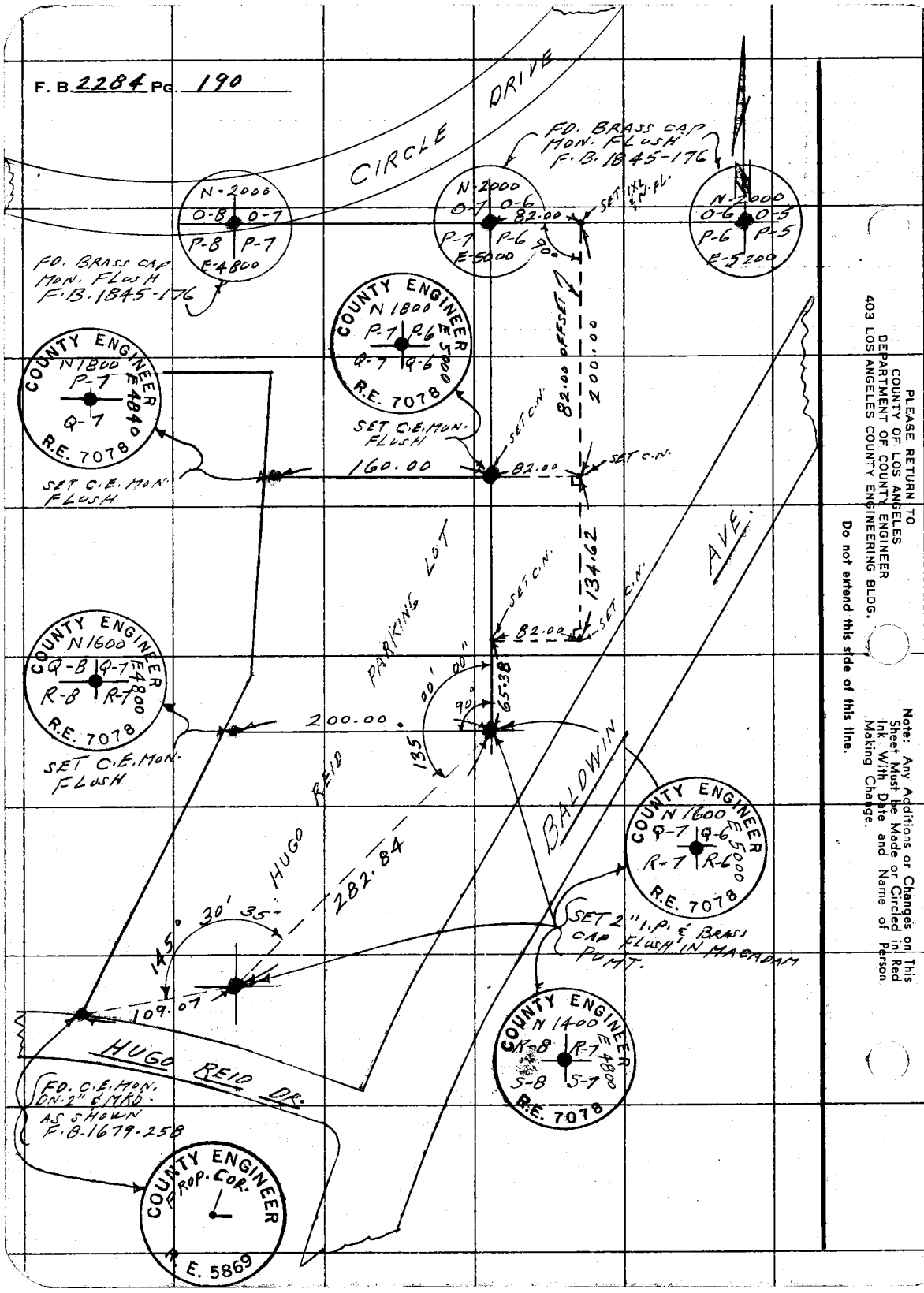
76F309S CE#3103-69

F. B. 2284 PG. 190



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Office Work
Checked
Date

Survey of ARBORETUM
JN 0016.02 Tape 018 Std 68 °F
Surveyed by R. MASSEY
Notes R.G.M. Date 5-28-76
Indexed L. M. PALMER JUN 3 1976

F.B. 2284 Pg. 191

LOS ANGELES STATE AND COUNTY ARBORETUM

J.N. 0016.02

HORIZONTAL CONTROL LINE

HALL OF ENVIRONMENTAL EDUCATION

PER SITE PLAN - PROJ. NO. 1076, DRWG NO. C-1

R. MASSEY
N. SMITH
E. MOYA
J. McCOY

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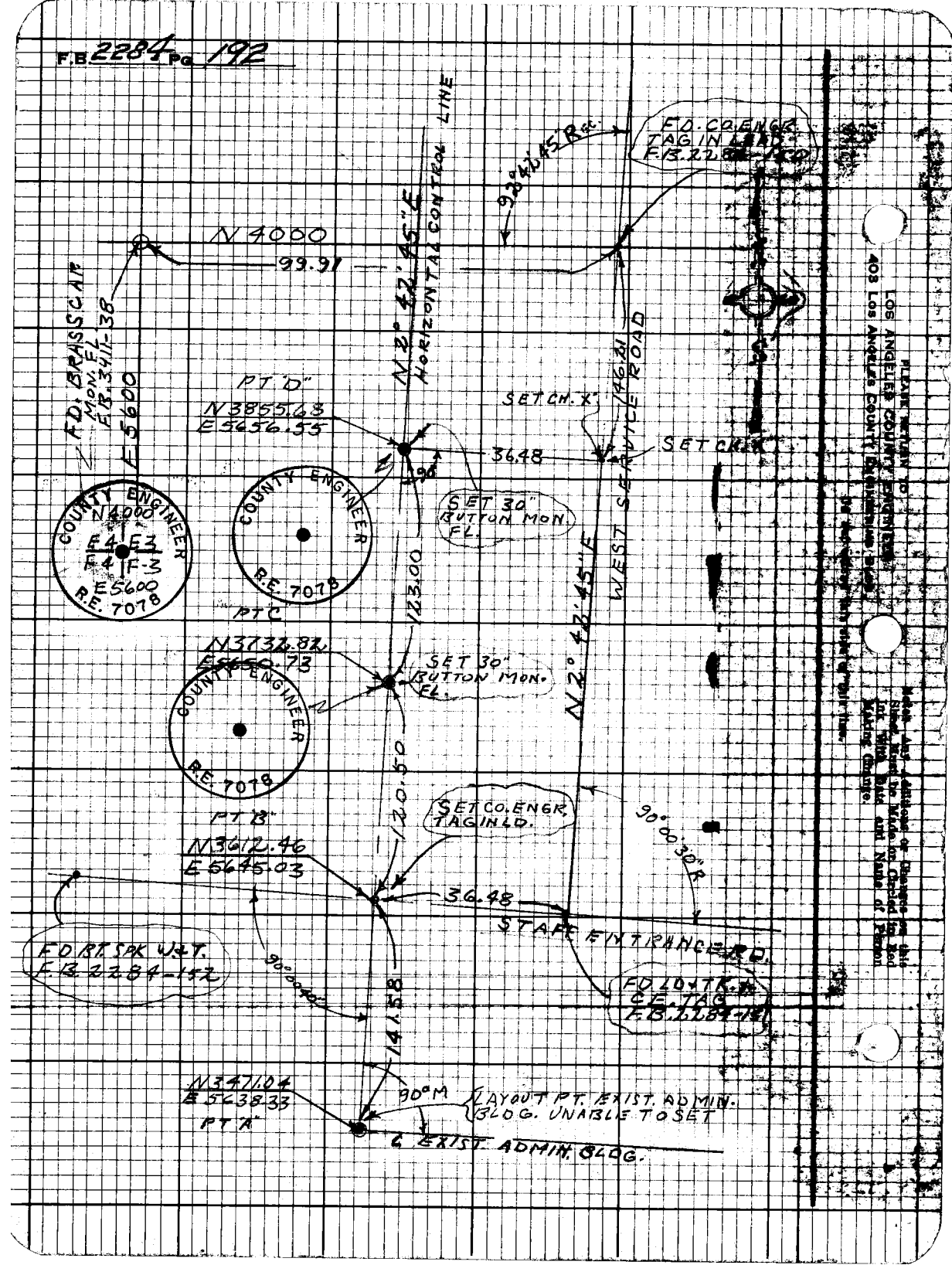
REORDER CE# 310 9-67

F.B. 2284 Pg. 192