DATE				
8-59	6253.20	Cross Sections - Line "B"(Cont'd from F.B.2552-250)	X-secs.	5-6
11-59	"	Center Line Survey - Line "C" Scott Ave.&Santa Fe St.to P.E.R.R.	C.L.	71-86
11-59	"	Topography - Line "C" from Scott Ave.& Santa Fe. St.to N'ly R/W L.A.& S.L.	Topog.	89-96
"	"	Cross Sections " " " "	X-secs.	87-118
"	"	Line "C" from Whittier Blve.to Santa Gertrudes Ave.	C.L.	119-131
"	"	Line"C" from Santa Gertrudes Ave.& Channel to Whittier Blvd.	Topog.	141-153
"	"	" " " "	X-secs.	155-185
12-59		Line "C" on Russell St.from Bourgardus Ave.to Valley Home Ave.	C.L.	187-222
"		" " " "	Topog.	223-242
"	"	" " " "	X-secs.	243-250

(Cont'd in F.B.2558-73.)

SURVEY OF

BY

F. B. PG.

TR. NO.

Profile No.	Notes Red.	Plotted	Job No. 6253.20	Division No. 10
	Date	Date	Survey of Whittwood S.D. - Line "B"	
X-Sec. No.	Notes Chkd.	Checked	Survey by Sappell	Notes D.S. Date 8-24-59
	Date	Date	Map No.	Indexed [redacted] 9-3-59

F. B. 2547 Pg. 5

J.N. 6253.20

WHITTWOOD STORM DRAIN

PROJ. Nº 532

LINE "B"

CROSS - SECTIONS

FROM

STA. 78+00 TO End JOB
AT WHITTIER BLVD

CONT. FROM F.B. 2552-250

ELEV.

F. B.

H. I.

Party: Sappell
Lieber
Caro
Dufton.

B. S.

STATION

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76298 S & E #307—7-55

76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.		
78+00				271 36		℄ Lashburn
				271 22		9 R
				270 88		18 "
				271 51		18 "
				272 0		30 "
78+11.8			Lenker Rod	271 41		℄ Lashburn
				271 30	9	
				270 92	18	
				271 59	18	
				271 8	30	
78+35.0				271 26	16.0 L	cor conc. gutt.
78+40.5				271 64		℄ Lashburn
				271 54	9 L	
				271 32	15.8 "	
				271 14	18 "	
				271 76	18 "	
				272 0	30 "	
BM S.D. 1736				272 47	BM S.D. 1736, El. 272.466 F.B. 2518-29 J.N. 6253.20 Lashburn St. & Bogardus Ave. - N.E. cor B. spk. in ch. 5.0 E of E. end C.R.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 7
X-Sec. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "B"
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-24-59

76L-296 CE 307 11-58

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F.B. 2547 Pg. 8 — Job No. 6253.20 — Division No. 10 — Notes Red — Plotted — Profile
Survey of Whitwood S.D. Line "B" — Date — No. — X-Sec.
Survey by Sappell Notes S.V. — Notes Ckkd. — Checked — No.
Indexed C. Johnson Date — Date — Date

STATION	B. S.	H. I.	F. S.	ELEV.		
78+71.0				271.56	15° L & P.T. Ed guth.	
78+83.11				271.93	F.B. 2548-21C F.B. 2552-78	℄ int Lashburn & Bogardus
" " = 1+00 going N along the ℄ of Bogardus						
1+09.0 - N				271.81		℄ Bogardus
1+15.0 - N				271.67		℄ " Ed "X" guth.
1+18.0 - N				271.57		℄ " P/L " "
1+21.0 - N				271.64		℄ " Ed " "
1+20.9 N				271.70		13 R int Ed gutters
1+21.1 - N			Center Rod	271.57	13 L int ed gutters	
1+54.0 - N				272.20		℄ Bogardus
				272.31		7.5 R W/A
				272.19		13 " Ed guth
				272.09		15.1 " both cb
				272.70		15.1 " Top "
				273.0		27 " P/L
				272.07	7.5 L W/A	
				271.69	13 "	
				271.60	15.1 "	
				272.24	15.1 " same	
				272.5	27 "	
1+60.0 - N				272.28		13 R cor guth

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+60 - N				271 70	13° L cor gutt	
1+94 - N				272 58		℄ Bougardus
				272 65		7.5 R W/4
				272 41		15.1 " Bott ch.
				273 07		15.1 " Top "
				273 1		27.0 " P/L
			Lenker	272 43	7.5 L	
				271 98	15.1 "	
				272 56	15.1 " same	
				272 9	27.0 "	
2+94.0 - N			Rod	273 68		℄ Bougardus
				273 78		7.5 R
				273 40		15.1 " same
				274 00		15.1 "
				274 4		27 "
				273 42	7.5 L	
				272 97	15.1 "	
				273 59	15.1 " same	
				274 0	27 "	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6257.20 Division No. 10 F. B. 2547 Pg. 9
Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-24-59
Date ____ Date ____ Map No. ____ Index C. Johnson

76298 S & E #307—7-55

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F. B. 2547 Pg. 10 | Job No. 6253.20 | Division No. 10 | Notes Red | Plotted | No. | Profile
Survey of Whitwood S.D. Line "B" | Date | Date | No. | X-Sec.
Survey by Sargell Notes D.S. | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
4+44.0	N.	S.M.H		27665		5° R. S.M.H. - N. Rim
						Rim El - (M+D) = invert.
				26864	inv. 8" inlet N.	276.65 - (7.34+0.67) = 268.64
				26847	" 8" outlet S.	276.62 - (7.48+0.67) = 268.47
78+97.8		S.M.H.		27200		5° R. S.M.H. N. Rim
						Rim El. - (M + D) = invert
				26700	inv 8" inlet N.	272.00 - (4.33+0.67) = 267.00
				26688	" 8" " E.	271.99 - (4.44+0.67) = 266.88
				26672	" 10" outlet W.	271.99 - (4.44+0.83) = 266.72
79+00			Rod	27198		℄ Lashburn
				27189		9° R w/4
				27144		18 " both cb.
				27207		18 " Top "
			Lasker	2726		30 " P/L
79+10.5				27176	15° L K PT Ed	"x" gutt
79+44.5				27229		℄ Lashburn
				27226	9° L w/4	
				27200	16° " Ed gutt.	
				27185	18 " both cb.	
				27248	18 " Top "	
				2727	30 " P/L	
79+49.5				27200	16 L cor gutt.	

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 6257.20 Division No. 10 F. B. 2147 Pg. 11
No. X-Sec. Date Date Survey of Whittwood S.D. - Line "B"
Notes Chkd. Checked Survey by Sawyer Notes D.S. Date 8-24-59
No. Date Date Map No. Indexed C. Johnson

STATION	B. S.	H. I.	F. S.	ELEV.		
79+84.5				272.52		℄ Lashburn
				272.43	9 L	w/d
				271.99	18 "	both cb.
				272.64	18 "	Top "
				273.0	30 "	P/L
80+23.7			Lenka	272.71		℄ Lashburn
				272.57		9 R
				272.16		18 " same
				—		18 "
				273.0		30 "
			Pad	272.56	9 L	
				272.17	18 "	same
				272.84	18 "	
				273.2	30 "	
80+63				272.90		℄ Lashburn
				272.76	9 L	
				272.35	18 "	same
				273.04	18 "	
				273.6	30 "	
BM SD 1737				273.83	BM SD 1737, El. 273.828, F.B. 2518-29 U.N. 6258.20 Lashburn St & Cullman Ave. N.E. cor. B. spk in cb 50' E. of E end C.R.	

76L-298 S & E #307—1-56

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F. B. 2547 Pg. 12 Job No 625320 Division No 10 Notes Red Plotted Profile
Survey of Whitthread S.D. - Line "B" Date Date No X-Sec.
Survey by Sargent Notes D.S. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
80+97 3				272 76	16 L	cor. gutt.
81+03 0				273 13		℄ Lashburn.
				273 08	9 L	w/4
				272 31	16 "	Ed gutt
				272 69	18 "	both cb.
				273 34	18 "	Top "
				273 7	30 "	P/L
81+32 0				273 02	15 "	℄ PT Ed "x" gutt.
81+55 09				273 40	F.B. 2548 - 217 F.B. 2552 - 79	℄ int Lashburn & Cullman.
" " =		1+00 going N.		along the ℄ of Cullman.		
1+09 - N.				273 31		℄ Cullman.
1+15 - N				273 16		℄ " Ed "x" gutt.
1+18 - N				273 07		℄ " P/L " "
1+21 - N				273 15		℄ " Ed " "
1+20 9 - N				273 20		13° R. int Ed. gutter.
1+21 1 - N			Lenker Road	273 07	13° L	int ed gutters.
1+55 0 - N				273 90		℄ Cullman.
				273 87		7 5 R w/4
				273 70		13 " Ed gutt.
				273 59		15 " both cb.
				274 24		15 " Top "
				274 8		27 " P/L

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+55° -	N			273 60	7.5 L W/4	
				273 29	13 " Ed gutt.	
				273 15	15 " bott cb.	
				273 77	15 " Top "	
			Lenker	274 0	27 " P/L	
1+59.5 -	N			273 77		13.9 R cor. gutt.
1+59.8 -	N			273 33	13.0 L cor. gutt.	
1+95.0	N			274 34		℄ Cullman.
				274 40		7.5 R W/4
				274 11		15 " bott cb.
			Rod	274 74		15 " Top "
				275 3		27 " P/L
				274 02	7.5 L	
				273 68	15 "	
				274 28	15 " same.	
				274 6	27 "	
2+95.0 -	N			275 55		℄ Cullman
				275 60		7.5 R
				275 40		15 " same.
				276 05		15 "
				276 4		27 "

Profile Notes Red. Plotted Job No. 625R20 Division No. 10 F. B. 2547 Pg. 13
No. Date Date Survey of Whittwood S.D. Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 8-24-59
No. Date Date Map No. Index [illegible] C. Johnson

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+95.0 - N				275 37	7.5 L	
				274 90	15 "	same
				275 53	15 "	
				276 0	27 "	
3+95.0		S.M.H.		276 86		5.0 R. S.M.H. N-Rim
						Rim El. - (M+D) = invert.
			Lenker Rod	269 05	inv. 8" inlet N.	276.86 - (7.14+0.67) = 269.05
				268 94	" 8" outlet S.	276.87 - (7.26+0.67) = 268.94
81+55.09				273 37		9 R W/4
				272 95		18 " bott cb.
				273 55		18 " Top "
				274 0		30 " P/L
81+60.0		S.M.H.		273 47	N. Rim	5.0 R. S.M.H.
						Rim El. - (M+D) = invert.
				267 61	inv. 8" inlet N.	273.47 - (5.19+0.67) = 267.61
				267 55	" 8" " E	273.48 - (5.26+0.67) = 267.55
				267 45	" 8" outlet W.	273.48 - (5.34+0.67) = 267.47
81+81.5				273 27	15.0 L 4 PT. Ed	X' gutt.
82+06.5				273 78		℄ Lashburn
				273 58	9 L	
				273 38	16 "	

F. B. 2547 Pg. 14 Job No. 6257.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. - Line "8" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
82+06.5				273 27	18 L bott cb.	
				273 85	18 " Top "	
				274 7	30 " P/L	
82+11.6				273 40	16 " cor. gutt.	
82+46.5				274 02		℄ Lashburn.
			Lenker	273 94	9 L w/4	
				273 57	18 " bott cb.	
				274 22	18 " Top "	
				275 0	30 " P/L	
82+85.0				274 25		℄ Lashburn.
			Rod	274 10		9 R
				273 78		18 "
				274 42		18 " same
				274 8		30 "
				274 20	9 L	
				273 80	18 " same	
				274 46	18 "	
				275 0	30 "	
83+23.5				274 83		℄ Lashburn.
				274 70		9 R
				274 25		18 " same

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 15
No. Date Date Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 8.24.59
No. Date Date Map No. Indexed C. Johnson

76L-298 S & E #307—1-56

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F. B. 2547 Pg. 16 Job No. 625320 Division No. 10 Notes Red. Date Plotted Date Profile No.
Survey of Whitwood S.D. - Line "B" Notes Chkd. Checked X-Sec. No.
Survey by Sapse & S. Notes Date Date
Indexed C. Johnson Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
83+23.5				274.85		18 R Top cb
				275.2		30 " P/L
				274.73	9 L	
				274.30	18 "	
				275.00	18 " same	
				275.1	30 "	
BM S.D. 1738				277.23	BM S.D. 1738 El. 277.217 F.B. 2518 29 J.N. 625320	
			corr.	277.22	Lashburn St. & Newcomb Ave. N.E. cor.	
					B. spk in cb. 5.0 FT. E. of E. end C.R.	
83+52.0				274.82	18 L End gutt.	
83+53.0			Rod	274.79		18 R End gutt.
83+60.0				275.00		16 R & P.T. Ed gutt.
				275.05	16 L & P.T. ed. gutt.	
83+63.5				275.44		& Lashburn.
				275.32		9 R W/4
			Lenker	275.05		15.8 " Ed gutt.
				274.84		18 " both cb.
				275.13		18 " Top "
				275.6		29 " P/L
				275.40	9 L W/4	
				275.08	15.8 " Ed gutt.	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
83+63.5				274.95	18 L bott cb.	
				275.59	18 " Top "	
				276.0	30 " P/L	
83+88.0				275.47		15.0 R ∡ PT. Ed "X" gutt.
83+93.0				275.62	15.0 L ∡ PT. Ed gutt	
84+19.07				276.34	F.B. 2548-218 F.B. 2552-80	℄ int. Lashburn & Newcomb
" "	= 1+00 going N. & S. along the ℄ of Newcomb.					
1+09.0	N			276.24		℄ Newcomb
1+15.0	N			275.93		℄ " Ed "X" gutt
1+18	N			275.87		℄ " F/L " "
1+21	N		Lenker Rod	275.98		℄ " Ed " "
1+20.8	N			276.18		16 R int. Ed. gutters
1+21.3	N			275.75	16 L int. ed gutters	
1+56.0	N			276.89		℄ Newcomb
				276.84		9 R w/4
				276.58		16 " Ed gutt
				276.44		18 " bott cb.
				277.04		18 " Top "
				277.3		30 " P/L
				276.73	9 L w/4	
				276.46	16 " Ed gutt.	

Profile Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 16 F. B. 2547 Pg. 17
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8.24.59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+56° - N				276 31	18 L bott cb.	
				276 91	18 " Top "	
				277 2	30 " P/L	
1+60° - N				276 48	16° L ∡ PT. Ed	gutt.
1+60⁵ - N				276 62		16 R ∡ PT. Ed gutt.
1+65° - N				276 56		18 R End gutt.
1+66° - N				276 44	18° L end gutt.	
1+96° - N			Lenker Rod	277 50		℄ Newcomb.
				277 35		9 R W/4
				276 83		18 " bott cb.
				277 50		18 " Top "
				277 8		30 " P/L
				277 32	9 L	
				276 90	18 "	
				277 50	18 " same	
				277 6	30 "	
2+96° - N				278 92		℄ Newcomb.
				278 74		9 R
				278 24		18 " same
				278 90		18 "
				279 0		30 "

F. B. 2547 Pg. 18 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Index C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+96°	N.			278 80	9 L w/4	
				278 34	18 " bott cb.	
				279 00	18 " top "	
				279 2	30 " P/L	
3+95°	N.	S.M.H.		280 03	N. Rim	5° R S.M.H.
					Rim El. -(M + D) = Invert	
				272 05	inv. 8" Inlet N. 280.03 - (7.31 + 0.67) = 272.05	
				271 96	" 8" outlet S. 280.02 - (7.39 + 0.67) = 271.96	
1+ 09°	S			276 20		℄ Newcomb
1+ 15	S			275 93		℄ " Ed "X" gutt.
1+ 18	S			275 86		℄ " F/L " "
1+21	S		Lenker Rod	275 93		℄ " Ed. " "
				275 71		16 " int. Ed gutters
				276 13	16 L-int Ed. gutters.	
1+54°	S			276 43		℄ Newcomb
				276 18		9 R. or West. w/2
				275 76		15° " Ed gutt.
				275 63		18 " bott cb.
				276 27		18 " top "
				276 4		30 " P/L
				276 60	9 L w/4	

Profile Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 19
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-24-59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. John Date

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+54.0 - S				276 57	15.8 L	
				276 38	18 "	
				277 07	18 "	same
				277 2	30 "	
1+56.5 - S			Lenker Rod	275 77		16.0 R ∡ PT. Ed gutt.
1+60.0 - S				276 54	16.0 L ∡ PT. Ed gutt.	
1+65.0 - S				275 68		18 R End gutt.
1+65.5 - S				276 39	18.0 L End gutt.	
1+94.0 - S				276 61		℄ Newcomb.
				276 36		9 R
				275 76		18 " same
				276 45		18 "
				276 6		30 "
				276 53	9 L	
				276 18	18 "	
				276 87	18 " same	
				277 2	30 "	
2+20.3 - S				276 66		℄ Newcomb.
				276 42		9 R
				276 04		16 " same
				275 85		18 "

F. B. 2547 Pg. 20 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+20^{3}	S			276 47		18 R Top cb
				276 8		30 " P/L
				276 50	9 L W/4	
				276 31	16 " Ed gutt	
			Lenker Rod	276 15	18 " bott cb	
				276 78	18 " Top "	
				277 0	30 " P/L	
2+ — 36^{3}	S			276 18		℄ Newcomb - Ed gutt
2+ 38^{3}	S			275 96		℄ " bott cb
2+ 38^{3}	S			276 60		℄ " Top "
84+24^{5}		S.M.H.		276 35		5° R. S.M.H. 11-Pin
					Rim El.	-(M+D.) = [illegible]
				268 37	Inv. 8" Inlet N. 276.35	-(7.31+0.67) = 268.37
				268 36	" 8" " E 276.35	-(7.32+0.67) = 268.36
				268 19	" 8" outlet W. 276.32	-(7.46+0.67) = 268.19
84+36^{0}				276 16		15° R. ∡ PT. Ed "X" gutt
84+46^{0}				276 38	15' L ∡ PT. Ed "X" gutt	
84+73^{5}				277 19		℄ Lashburn
				277 03		9° R W/4
				276 66		15^{8} " Ed gutt
				276 58		18 " bott cb

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 21
No. Date Date Survey of Whittwood S.D. Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 8-25-59
No. Date Date Map No. Indexed C. Johnson Date

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STATION	B. S.	H. I.	F. S.	ELEV.		
84+73.5				277 17		18 R same
				277 4		30 "
				277 10	9 L	
				276 80	15.8 "	
				276 66	18 " same	
				277 27	18 "	
				277 5	30 "	
84+79.0			Lenker Rod	276 85	16.0 L ∡ PT Ed gutt.	
84+80				276 77		16.0 R ∡ PT Ed. gutt.
84+83.5				276 79	18 L End gutt	
84+85.0				276 77		18 R end gutt
85+13.5				277 82		℄ Lashburn.
				277 59		9 R
				277 12		18 " same
				277 76		18 "
				278 1		30 "
				277 62	9 L	
				277 12	18 " same	
				277 80	18 "	
				278 0	30 "	

F. B. 2547 Pg. 22 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. - Line "8" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. B.	ELEV.		
BM S.D. 1739				281 02	B.M.S.D. 1739 El. 281.024 F.B. 2518-30 J.N. 6253.20	
					Lashburn St. & Lindesmith Ave., N.E. cor.,	
					B-spk. in cb. 5° FT. E. of E. end cor.	
85+52.7				278 42		℄
				278 16		9 R w/4
				277 72		18 " bott cb.
			Lenker	278 38		18 " Top "
				278 6		30 " P/L
				278 28	9 L	
				277 78	18 "	
				278 43	18 " same	
			Rod	278 7	30 "	
85+92.0				278 90		℄ Lashburn
				278 83	9 L	
				278 30	18 "	
				278 87	18 " same	
				279 5	30 "	
86+20				278 82	18" L end gutt.	
86+25.5				279 00	16 " ∡ PT. Ed. gutt.	
86+32.0				279 54		℄ Lashburn.
				279 43	9 L w/4	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
Notes Chkd. ____ Checked ____ Survey by Sappell Notes N.S. Date 8-25-59
Date ____ Date ____ Map No. ____ Index [illegible] C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
86+32.0				279 10	15.8 L	
				278 95	18 "	
				279 60	18 " same	
				279 9	30 "	
86+63.5				279 57	15 L ∡ PT Ed "x" gutt	
86+83.12				280 35	F.B. 2548-219 F.B. 2552-81	℄ int. Lashburn & Lindesmith
" "	=	1+00 going N. along the ℄ of Lindesmith				
1+09.0	N			280 23		℄ "
1+15.0	N			279 91		℄ " Ed "x" gutt.
1+18.0	N			279 84		℄ " F/L " "
1+21.3	N			279 94		℄ " Ed. " "
1+20.9	N			280 15		13 R int. ed of gutt.
1+21.1	N			279 70	13 L int. ed of gutters.	
1+54.0	N.			280 61		℄ Lindesmith
				280 77		7.5 R w/4
				280 72		13 " Ed gutt.
				280 61		15 " bott ch
				281 24		15 " Top "
				281 5		27 " F/L
				280 37	7.5 L w/4	
				280 00	13 " Ed gutt.	

Lenker Rod

F. B. 2547 Pg. 24 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+54° - N.				279 84	15 L bott ch	
				280 48	15 " Top "	
				280 7	27 " P/L	
1+60° - N				280 79		13° R ∡ PT. Ed gutt
1+60⁵ N				280 07	13° L ∡ PT. Ed gutt	
1+65° - N			Lenker Rod	280 75		15 R End gutt.
				280 03	15 L End gutt.	
1+94° - N.				281 13		℄ Lindesmith
				281 27		7⁵ R w/4
				281 03		15 " bott ch
				281 69		15 " Top "
				281 9		27 " P/L
				280 78	7⁵ L	
				280 30	15° " same	
				280 93	15° "	
				281 1	27° "	
2+94° - N.				282 37		℄ Lindesmith
				282 47		7⁵ R
				282 34		15 " same
				282 98		15 "
				283 2		27 "

Profile Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 25
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes B.S. Date 8-25-59
No. ____ Date ____ Date ____ Map No. ____ Inst. C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+94° N				282 02	7° L	
				281 55	15 "	same
				282 19	15 "	
				282 3	27 "	
3+95°. N.		S.M.H		283 60		5° R S.M.H. N-Rim
						Rim El. -
				275 59	inv. 8" inlet N.	283.60 - (7.34+0.67) = 275.59
			Lenker Rd	275 49	" 8" outlet S.	283.59 - (7.43+0.67) = 275.49
86+83.12				280 17		9° R w/4
				279 68		18 " bott cb.
				280 32		18 " Top "
				280 4		30 " P/L
86+88.2		S.M.H.		280 40		5° R. S.M.H N-Rim
						Rim El. - (M+D) = invert
				271 97	inv. 8" inlet N.	280.40 - (7.76+0.67) = 271.97
				271 84	" 8" " E	280.37 - (7.86+0.67) = 271.84
				271 79	" 8 outlet W.	280.40 - (7.94+0.67) = 271.79
87+05°				280 26	15° L ∡ PT. Ed. "X" gutt.	
87+33.5				281 13		℄ Lashburn
				281 04	9° L w/4	
				280 69	15° " Ed gutt.	

F. B. 2547 Pg. 26 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
87+33.5				280 48	18 L bott cb.	
				281 13	18 " Top "	
				281 4	30 " P/L	
87+39.5				280 76	16 L ∡ PT. Ed gutt	
87+44.5				280 66	18 L End gutt.	
87+73.5			Lenker Rod	281 73		℄ Lashburn
				281 65	9 L w/4.	
—				281 10	18 " bott cb.	
				281 75	18 " Top "	
				282 0	30 " P/L	
88+11.7				282 27	-	℄ Lashburn
				282 07		9 R
				281 65		18 "
				282 27		18 " same
				282 5		30 "
				282 15	9 L	
				281 65	18 "	
				282 27	18 " same	
				282 6	30 "	
BM SD 1740				284 36	BM SD 1740 El. 284.346, F.B. 2518-30, J.N. 6253.20	
				corr. 284 35	Lashburn St. & Jordan Rd., N.W. cor, B-S/K in cb 6° N. of N. end C.R.	

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 6253.20 Division No. 10 Survey of Whitwood S.D. - Line "B" Survey by Sappell Notes D.S. Date 8-25-59 Map No. ____ Indexed ____ Date ____ F. B. 2547 Pg. 27

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
88+50				282 78		℄ Lashburn.
				282 62		9 R
				282 24		18 "
				282 89		18 " same
				283 2		30 "
				282 58	9 L	
			Lenker Rod	282 21	18 "	
				282 84	18 " same	
				283 5	30 "	
88+79°				282 73	18 L End gutt.	
88+81°				282 74		18 R End gutt.
88+85°				282 93	16 L ∡ PT. Ed gutt.	
88+87°				282 92		16 R ∡ PT. Ed gutt.
88+90°				283 44		℄ Lashburn
				283 30		9 R w/4
				282 95		16° " Ed gutt.
				282 82		18 " bott ob.
				283 43		18 " Top "
				283 9		30 " P/L
				283 26	9 L w/4	
				283 02	15° " Ed gutt.	

F. B. 2547 Pg. 28 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. Line "B" Date Date No.
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STATION	B. S.	H. I.	F. S.	ELEV.		
88+90°				282 84	18 L bott cb.	
				283 46	18 " Top "	
				283 7	30 " P/L	
89+22°				283 48	15° L ∡ pt. Ed "X" gutt.	
89+42°		S.M.H.	Lenter Rod	283 99		5° R S.M.H. N. Rim
					Rim El. - (M + D) = invert.	
				275 56	inv. 8" inlet N. 283.99	-(7.76+0.67) = 275.56
				275 67	" 8" " E 283.99	-(7.65+0.67) = 275.67
				275 61	" 8" stub S. 283.99	-(7.71+0.67) = 275.61
				275 33	" 8" outlet W. 283.99	-(7.99+0.67) = 275.33
89+47.09				283 95	F.B. 2548-220 F.B. 2552-82	℄ int Lashburn & Jordan.
" "	= 1+00 going S. along ℄ Jordan & E. along ℄ Lashburn.					
1+09 -S				284 04		℄ Jordan - W/4.
1+18 -S				284 10		℄ "
1+25° S				284 20	17' L or East, ∡ pt Ed "X" gutt.	
1+55° S				284 34		℄ Jordan
				284 28		10 R W/4
				284 03		18 " Ed gutt
				283 85		20 " bott cb
				284 46		20 " Top "
				284 7		30 " P/L

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 29
No. Date Date Survey of Whitwood S.D. - Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 8-25-59
No. Date Date Map No. Indexed C. Johnson

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F. B. 2547 Pg. 30 | Job No. 6253.20 | Division No. 10 | Notes Red. | Plotted | No.
Survey of Whitthwood S.D. - Line "B" | Date | Date | No.
Survey by Sapse" | Notes U.S. | Notes Chkd. | Checked | X-Sec.
Indexed K. C. Johnson | Date | Date | Date | No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
1+55 S				284 30	10 L	w/4
				284 30	17½ "	Ed gutt
				284 15	20 "	both cb.
				284 91	20 "	Top "
				285 4	30 "	D/L
1+95 S.				284 64		& Jordan.
				284 60		10 R
				284 30		18 "
				284 20		20 "
				284 80		20 " same
				285 0		30 "
			Lenker Rod	284 53	10 L	
				284 43	18 "	
				284 29	20 "	same
				284 95	20 "	
				285 5	30 "	
2+38 S				285 18		& Jordan.
				285 03		10½ R Ed pv.
				284 45		18 " cor. gutt.
				284 76		20 " both cb.
				285 00		20 " Top " (End)
				285 4		30 " D/L

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+38.8 -S				285 00	10 L W/4	
				284 63	18 " Ed gutt.	
				284 45	20 " bott c.b.	
				285 10	20 " Top "	
				285 5	30 " P/L	
3+23.4 -S			Lenker Rod	285 14		℄ Jordan (crown)
				285 00		10.8 R Ed pl. ℄ F/L
				286 0		12.8 " Top brk
				285 8		20 " P/L
				285 01	10 L	
				284 70	18 "	
				284 89	18 "	
				284 75	20 " same	
				284 38	20 "	
				285 6	30 "	
1+10 E				284 01		℄ Lashburn
1+17 E				284 04		℄ " Ed x gutt
				283 99	10' L K PT. Ed gutt.	
1+20 E				284 00		℄ " F/L
				283 90	18 L int F/L gutters.	
1+ 23 E				284 03		℄ Lashburn Ed x gutt

Profile Notes Red. ____ Plotted ____ Job No. C253.20 Division No. 10 F. B. 2547 Pg. 31
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
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F. B. 2547 Pg. 32 | Job No. 6253.20 | Division No. 10 | Notes Red | Plotted | Profile
Survey of Whitwood J.D. Line "B" | Date | Date | No.
Survey by Sargent Notes D.S. | Notes Chkd | Checked | X-Sec.
Indexed L.C. Johnson | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+23 E				284 17		16 R int Ed gutters.
				283 95	11 L int Ed gutters.	
1+28° E				284 00	16 L & PT. Ed gutt.	
1+57° E				284 30		℄ Lashburn.
				284 76		9 R w/4
				284 49		16 " Ed gutt.
				284 30		18 " both cb.
				284 97		18 " Top "
				285 3-		30 " P/L
			Lenker Rod	284 78	9 L	
				284 53	16 "	
				284 36	18 "	
				285 03	18 " same	
				285 5	30 "	
1+62.5 E				284 57	16 L & PT. Ed gutt.	
1+63° E				284 52		16 R same
1+67° E				284 52	18 L End gutt.	
1+68° E				284 46		18 R End gutt.
1+97° E				285 62		℄
				285 42		9 R w/4
				285 08		18 " both cb.

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+97 E				285 71		18 R Top cb.
				286 0		30 " P/L
				285 44	9 L w/4	
				285 03	18 " both cb.	
				285 64	18 " Top "	
			Lenker Rod	285 8	30 " P/L	
				286 07	T.P.	
T.P. 2+97 E				287 76		℄ Lashburn
				287 60		9 R
				287 36		18 "
				288 00		18 " same
				288 5		30 "
				287 62	9 L	
				287 33	18 " same	
				287 98	18 "	
				288 6	30 "	
3+70 E		S.M.H.				5° R. S.M.H.
						Rim El. - (M + D) = invert
				281 53	inv. 8" inlet E 289.09	- (6.89 + 0.67) = 281.53
				281 57	" 8" " N. 289.09	- (6.85 + 0.67) = 281.57
				281 54	" 8" " S. 289.09	- (6.88 + 0.67) = 281.54
				281 42	" 8" outlet W 289.09	- (7.00 + 0.67) = 281.42

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. - Line "B" Survey by Sappell Notes D.S. Date 8-25-59 Map No. ____ Index No. C. Johnson

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F. B. 2547 Pg. 33

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F. B. 2547 Pg. 34 | Job No. 6253.20 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of Whitwood S.D. - Line "B" | Date | No. | X-Sec.
Survey by Sappell | Notes D.S. | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
89+56 1/	+N			283 88		℄ Jordan
89+62 0				283 77		℄ " Ed "X" guth.
				283 90		11 3 R ℄ PT " "
89+65 0				283 68		℄ Jordan - P/L "X" guth.
89+68 0				283 75		℄ " Ed " "
				283 91		11 5 R ℄ PT Ed guth.
			Rod	283 55	18 3 L int Ed gutters	
89+72 0				283 97		16 8 R ℄ PT " "
90+01 5				284 20		℄ Jordan
				284 13		10 R W/4
			Lenker	284 06		17 8 " Ed guth.
				283 86		20 " bott cb
				284 56		20 " Top "
				284 8		30 " P/L
				284 10	10 L	
				283 95	17 8 "	
				283 79	20 "	
				284 40	20 "	same
				284 6	30 "	
90+07 0				284 09		18° R ℄ PT Ed guth

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
90+41.5				28459		℄ Jordan
				28451		10 R w/4
				28432		18 " 15d gu.
				28415		20 " 60H cb.
				28480		20 " Top
				2852		30 " P/2
				28451	10 L	
			Lenker	28434	18 "	
				28419	20 " same	
				28482	20 "	
				2849	30 "	
91+00			Rod	28517		℄ Jordan
				28510		10 R
				28479		18 "
				28461		20 " same
				28526		20 "
				2858		30 "
				28500	10 L	
				28467	18 "	
				28455	20 " same	
				28517	20 "	
				2853	30 "	

Profile Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 35
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.J. Date 8-25-59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Jordan Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
92+00				285 90		℄ Jordan
				285 83		10 R w/4
			Lenker Rod	285 57		18 " Ed. gutt.
				285 43		20 " bott cb
				286 10		20 " Top "
				286 6		30 " P/L
				285 75	10 L	
				285 42	18 "	
				285 28	20 "	
				—	20 " depressed cb	
				286 2	30 "	
92+95.3		S.M.H.		286 64	5° L S.M.H.	S - Rim.
						Rim El. - (M+D) = Invert
				279 09	Inv. 8" inlet N.	286.65 - (6.89+0.67) = 279.09
				279 05	" 8" outlet S.	286.64 - (6.92+0.67) = 279.05
93+00				286 67		℄ Jordan
				286 66		10 R
				286 46		18 "
				286 31		20 " same
				286 96		20 "
				287 4		30 "

F. B. 2547 Pg. 36 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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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.

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STATION	B. S.	H. I.	F. S.	ELEV.		
93+00				286 57	10 L w/4	
				286 24	18 " Ed gutt	
				286 07	20 " bott cb.	
				286 71	20 " Top "	
				287 0	30 " P/L	
94+00				287 46		℄ Jordan
				287 37		10 R
			Lenker	287 32		18 "
				287 06		20 " same
				287 76		20 "
				288 2		30 "
			Rod	287 40	10 L	
				287 19	18 "	
				287 06	20 " same	
				287 67	20 "	
				287 8	30 "	
95+00				288 55		℄ Jordan
				288 45		10 R
				288 17		18 " same
				288 01		20 "
				288 67		20 "
				289 6		30 "

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 37
Date ____ Date ____ Survey of Whittwood S.D. Line "B"
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-25-59
Date ____ Date ____ Map No. ____ Index No. C. Johnson

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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.

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STATION	B. S.	H. I.	F. S.	ELEV.		
95+00				288 44	10 L w/4	
				288 26	18 " Ed gutt	
				288 07	20 " bott cb.	
				288 72	20 " Top "	
				289 0	30 " P/L	
95+89.3				289 77		29.5 R back cor. walk
BM SD 1741				289 81	BM SD 1741 El. 289.1812	F.B. 2518-30 J.N. 6253.20
					Jordan Rd 650' FT. N. of Lashburn St.	
					Bt-spk in W. cb. on N. line of Ho #10741	
96+00			Lenker Rd	289 67		& Jordan
				289 55		10 R
				288 98		18 "
				288 87		20 " same
				289 51		20 "
				289 78		29.5 " back walk
				289 59	10 L	
				289 24	18 "	
				289 14	20 " same	
				289 78	20 "	
				289 8	30 "	

F. B. 2547 Pg. 38 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. Line "B" Date Date No.
Survey by Jappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
96+42±		S.M.H		290 18	5.0 L S.M.H.	N. Rim
						Rim El -(M + D) = invert
				282 68	inv. 8" inlet N.	290.18 -(6.83+0.67) = 282.68
				282 48	" 8" outlet S.	290.15 -(7.00+0.67) = 282.48
				282 72	" 8" stub E.	290.18 -(6.79+0.67) = 282.72
97+00			Lenker	290 99		℄ Jordan
				290 82		10 R W/4
				290 01		18 " Ed gutt.
				289 86		20 " bott cb.
				—		20 " depressed cb.
			Rod	290 72		29.5 " back walk
				290.81	10 L W/4	
				290 37	18 " Ed gutt.	
				290 25	20 " bott cb.	
				290 89	20 " Top "	
				291 1	30 " P/L	
98+00				292 57		℄ Jordan
				292 40		10 R
				291 73		18 "
				291 60		20 " same
				292 25		20 "
				292 49		29.5 "

Profile Notes Red. ____ Plotted ____ Job No. C252.20 Division No. 10 F. B. 2547 Pg. 39
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Shipp[illegible] Notes [illegible] Date 8-26-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
98+00				292 47	10 L	W/4
				292 04	18 "	Ed gutt
				291 90	20 "	bott cb.
				292 50	20 "	Top "
				292 6	30 "	P/2
98+27.8		S.M.H.		293 10	5° L	S.M.H. N. Rim
						Rim El. -(M + D) = invert
				284 73	inv. 8" inlet N.	293.10 -(7.70+0.67) = 284.73
Note: This line goes to Jordan School - unable to loc. M.H. if any in school yard.				284 78	" 8" " N.E.	293.09 -(7.64+0.67) = 284.78
				284 44	" 8" outlet S.	293.06 -(7.95+0.67) = 284.44
98+92.2				294 22		℄ Jordan
				294 17		10 R
				293 52		18 "
				293 38		20 " same
				294 00		20 "
				294 27		29.5 " back walk
			Lenker Rod	294 07	10 L	
				293 77	18 "	
				293 63	20 "	
				294 27	20 "	
				294 6	30 "	

F. B. 2547 Pg. 40 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
99+32.2				294 94		℄ Jordan
				294 88	10 L w/4	
				294 55	18 " Ed gutt	
				294 40	20 " bott cb	
				295 02	20 " Top "	
				295 2	30 " P/L	
99+87.20				296 05	F.B. 2548-222 F.B. 2552-87	℄ int Jordan & Lisco st
" — "	= 1+00 going W.			along	the ℄ of Lisco	
1+ 10 W				295 96		℄ Lisco
1+ 20 W				295 72		℄ "
1+46.7 W				295 19	16 L ∡ PT. Ed gutt.	
1+47.8 W				295 56		16 R ∡ PT. Ed. gutt.
1+56.7 W			Lenker Rod	295 70		℄ Lisco
				295 58		9 R w/4
				295 30		17.1 " Ed gutt
				295 23		18 " bott cb
				295 84		18 " Top "
				296 1		30 " P/L
				295 48	9 L	
				295 06	17.1 " same	
				295 05	18 "	

Profile Notes Red. Plotted Job No. 6257.20 Division No. 10 F. B. 2547 Pg. 41
No. Date Date Survey of Whitwood S.D. - Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 8-26-59
No. Date Date Map No. Ind. C. Jordan

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+56.7 -	W			295 60	18 L Top cb.	
				295 7	30 " P/L	
1+59.0 -	W			295 14		18 R. End gutt
1+61.7 .	W			295 04	18 L End gutt.	
1+86.3 .	W	S.M.H. (Flush)		295 36		5.0 R. S.M.H. w-Rim
						Rim El. - (M+D) = invert
				287 46	inv. 8" outlet W. 295.36	- (7.23 + 0.67) = 287.46
				287 60	inv. 8" stub E. 295.36	- (7.09 + 0.67) = 287.60
1+96.7 .	W			295 35		℄ Lisco
				295 09		9 R w/4
				294 62		18 " bott cb.
			Lenker Rod	295 28		18 " Top " P/L
				295 7		30 "
				295 15	9 L	
				294 71	18 " same	
				295 33	18 "	
				295 6	30 "	
2+96.7 .	W			294 33		℄ Lisco
				294 18		9 R
				293 73		18 " same
				294 37		18 "
				295 3		30 "

F. B. 2547 Pg. 42 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+96.7 - W				294 10	9 L W/4	
				293 63	18 " bott cd.	
				294 27	18 " Top "	
			Lenter Rod	294 6	30 " D/L	
99+87.20				295 85		10 R
				295 38		18 " same
				295 23		20 "
				295 87		20 "
				296 10		29.5 " back wall
BM SD 1742				296 99	BM SD 1742 El. 296.980 F.B. 2518-30 J.N. 6253.20	
				cor. 296 98	Jordan Rd & Lisco St, N.W. cor. B. spk	
					in cb. 6 FT. N. of N. end C.R.	
100+41.5				297 10		℄ Jordan.
				296 90	10 L	
				296 56	18 " same	
				296 40	20 "	
				297 06	20 "	
				297 4	30 "	
100+81.5				297 86		℄ Jordan
				297 73		10 R same
				297 24		18 "

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 43
No. Date Date Survey of Whittwood S.D. Line "B"
X-Sec. Notes Chkd. Checked Survey by Cappell Notes D.S. Date 5-26-59
No. Date Date Map No. Inst. M. C. Johnson

76298 S & E #307—7-55

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F. B. 2547 Pg. 44 | Job No. 62320 | Division No. 10 | Notes Red. | Plotted | No.
Survey of Whittwood | S.D. Line "B" | Date | Date | X-Sec.
Survey by Sapsell | Notes D.S. | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date | No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
100+81.5				297.06		20 R both cb
				297.72		20 " Top "
				297.94		29.5 " back walk
				297.68	10 L W/A	
				297.36	18 " Ed gutt.	
				297.24	20 " both cb.	
				297.84	20 " Top "	
			Lenker Rod	298.2	30 L P/L	
101+08.0				297.78		18 R & PT Ed gutt.
101+15.3				297.79		20 R both cb. B.C.
				298.39		20 " Top " "
101+25.5				298.00		17 R & PT Ed gutt.
101+27.0				298.86	29.5 L cor. conc. walk.	
101+34.8				298.36		30' R End gutt & both cb.
				299.02		30 " Top cb. & walk
101+35.5				298.17		23 " int. Ed gutters.
				298.31		29 " & PT Ed. gutt.
101+42.8		S.M.H		298.85	5.9 L S.M.H. N.	Rim
						Rim 5.1 - (M+D) = invert
				291.52	inv. 8" inlet N.	298.85 - (6.66+0.67) = 291.52
				291.37	" 8 outlet S.	298.83 - (6.79+0.67) = 291.37

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STATION	B. S.	H. I.	F. S.	ELEV.		
101+88.5				299 22		17° R ∡ PT. Ed gutt.
101+89.2				299 28		23° " int Ed gutters
101+91.2				299 42		25 " bott cb.
				300 08		25 " Top " (End)
101+95.5				299 35		20 R bott cb. N end C.R.
				299 97		20 " Top " " " "
			Lenker	300 26		30.4 R Top " N'E'T "
				299 70		30.4 " bott " " " "
101+94.5	+OK			299 84		32° " cor. gutt
102+00				300 13		℄ Jordan
			Rod	299 90		10 R w/4
				299 54		17.8 " Ed gutt
				299 45		20 " bott cb.
				300 08		20 " Top "
				300 34		29.5 " back walk
				299 89	10 L w/4	
				299 67	18 " Ed gutt.	
				299 53	20 " bott cb.	
				—	20 " depressed cb.	
				300 37	29.5 " back walk	
102+58.3				300 79		18 R ∡ PT. Ed gutt.

Profile Notes Red. Plotted Job No. 625320 Division No. 10 F. B. 2547 Pg. 45
No. Date Date Survey of Whitwood S.D. Line "B"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 5-26-59
No. Date Date Map No. Indexed C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
102+66.6				300 83	bott cb.	20 R S. end C.R.
				301 46	Top "	20 " " " "
102+67.7				301 64	" "	30 " " " "
102+69.2				301 03	bott "	30 " " " "
				301 15		31.2 R cor. gutt.
102+71.3				300 96		25.0 R bott cb.
				301 52		25.0 " Top " (End)
102+73.3				301 01		23 R int Ed gutters
102+74.3				300 99		17 R ℄ PT. Ed "X" gutt
103+00			Lenker Rd	302 30		℄ Jordan
				302 15		10 R W/4
				301 55		17 " Ed "X" gutt.
				301 47		20 " F/L " "
				301 50		23 " Ed. " "
				301 85		30 " P/L
				302 08	10 L W/4	
				301 80	18 " Ed gutt	
				301 66	20 " bott cb.	
				302 26	20 " Top "	
				302 42	29.5 " back walk	

F. B. 2547 Pg. 46 Job No. C253 20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. Line "B" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
103 +27.0				302 10		23 R int. Ed gutt.
				302 22		29 " ∡ pt. "
103+28.5				302 28		29.6 " F/L 6"x18" C.I.P.
				302 99		29.6 " Top cb.
103 + 30.2				302 29		28.6 " F/L 6"x18" C.I.P.
				303 00		28.6 " Top cb.
103+ 31.5			Lanker	302 63		34.7 " F/L 6"x18" C.I.P.
				303 39		34.7 " Ed walk
103 +33.4				302 66		33.6 " F/L 6"x18" C.I.P.
				303 39		33.6 " Ed. walk
103+39.5			Rod	302 40		17 R ∡ PT. Ed. "X" gutt.
103+46.5				302 52		20 " bott cb.
				303 18		20 " Top "
103+53.3				302 71		18 " ∡ PT. Ed gutt.
104+00				304 31		℄ Jordan
				304 24		10 R w/4
				303 75		18 " Ed gutt.
				303 61		20 " bott cb.
				304 21		20 " Top "
				304 47		29.5 " back walk
				304 10	10 ∡ w/4	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 47
Date ____ Date ____ Survey of Whittwood S.D. - Line "8"
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-26-59
Date ____ Date ____ Map No. ____ Index ____ Job ____

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F. B. 2547 Pg. 48 | Job No. 6353.20 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of Whitnall | S.D. Line "B" | Date | Date | X-Sec. No.
Survey by Zapsell | Notes D.S. | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
104+00				303.35	18 L Ed gutt.	
				303.72	20 " bot H cb.	
				304.33	20 " Top "	
				304.49	295 " bck walk	
T.P.				302.94	T.P.	
104+04.7		S.M.H.		309.13	W. Rim	345.3 R. S.M.H.
			Rod		Rim El. - (M + D) = Invert	
				301.51	Inv. 8" inlet E. 309.20	-(7.02 + 0.67) = 301.51
				301.40	" 8" outlet W. 309.18	-(7.11 + 0.67) = 301.40
104+07.5		S.M.H.		304.40	5° L S.M.H. N.	Rim
						Rim El. - (M + D) = Invert
			Lenker	295.26	Inv. 8" inlet N.	304.40 - (8.47 + 0.67) = 295.26
				295.78	" 8" " E.	304.43 - (7.98 + 0.67) = 295.78
				295.13	" 8" outlet S.	304.40 - (8.60 + 0.67) = 295.13
104+67.2		S.M.H. (Ered)		305.61	5° L S.M.H.	S. Rim
						Rim El. - (M + D) = Invert
				296.17	Inv. 8" stub N.	305.67 - (8.83 + 0.67) = 296.17
				296.02	" 8" outlet S.	305.61 - (8.92 + 0.67) = 296.02
105+06.5				306.48		E Jordan
				306.34		10 R w/4
				306.08		18 " cor. gutt.

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
105+06.5				305 82		20 R both cb.
				306 43		20 " Top "
				306 62		29.5 " back walk
105+21.5				306 80		& Jordan
				306 63	10 L W/A	
				306 31	18 " Ed gut.	
				306 19	20 " both cb.	
			Center Road	306 82	20 " Top "	
				306 85	29.5 " back walk	
105+23.5				306 74		11.8 R Ed pv. & Top brk
				306 0		17.5 " both brk.
				306 7		20 " brk
				308 1		24 " Top "
				308 0		30 " F/L
105+30.5				306 85	11.9 L & pt Ed pv.	
				306 3	17 " F/L	
				307 0	19.7 " Top brk.	
105+37				307 00		12 R Ed pv.
				306 5		16 " Top brk.
				305 8		17.4 " both "
				306 9		19.5 " brk

Profile
Notes Red. Plotted
No. Date Date
X-Sec. Notes Chkd. Checked
No. Date Date
Job No. 6253.20 Division No. 10
Survey of Wilkinwood S.D. - Unit "B"
Survey by [illegible] Notes C. Jordan Date 8-26-59
No. Date Map No. Indexed Date
F. B. 2547 Pg. 49

76298 S & E #307—7-55

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F. B. 2547 Pg. 50 Job No. C253.20 Division No. 10 Notes Red. Plotted
Survey of Whitwood S.D. Line "B" Date Date No.
Survey by C. Johnson Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.
Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
105+37				308 4		24$\frac{3}{4}$ R Top brk.
T.P.				306 81	T.P.	
105+51^{0}				307 22		12^{0} R Ed pv.
				307 3		20 " Top brk
				305 36		21$\frac{5}{8}$ " F/L 18" steel pipe
				307 8		23$\frac{3}{4}$ " Top brk
				308 6		26 " brk.
			Lenker Road	308 36		33$\frac{8}{8}$ " Ed pre mix drive
105+55^{0}				308 0		21$\frac{5}{8}$ " Top brk. to ditch
105+59^{9}				307 27		16^{9} R F/L & Ed drive
				308 16		30 " P/L
106+00				308 43		℄ Jordan
				308 25		10 R
				308 05		15$\frac{3}{4}$ " F/L
				309 26		30 " F/L
				308 29	11^{0} L Ed pv.	
				307 3	18 " F/L	
				308 7	21$\frac{1}{4}$ " Top brk.	
				308 7	30 " gnd	
106+18^{0}				308 75		℄ Jordan
				308 63	10 L W/4	

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
106+18.0				308 22	18 L cor gutt	
				308 15	20 " bott cb.	
				308 75	20 " Top " (End)	
				309 08	29.5 " back walk	
106+65.3				309 41		21.5 R Top catch basin
				306 75		22.0 " bott "
			Lenker Rod	306 31		26.2 " F/L 18" steel pipe
				310 17		29.0 " Top catch basin
				306 80		28.5 " bott " "
106+70.3				309 70		℄ Jordan
				309 61		10 R W/4
				309 56		18 " cor gutt
				309 49		20 " bott cb.
				310 09		20 " Top " (End)
				310 08		21.5 " Top box drain & walk
				309 36		22.0 " " Box drain (inside)
				306 76		22.0 " bott box drain
				310 21		28.5 " Top box drain & walk
				309 63		28.5 " " " " (inside)
				306 79		28.5 " bott " "
				309 59	10' L W/4	

Profile Notes Red. ____ Plotted ____ Job No. 625320 Division No. 10 F. B. 2547 Pg. 51
No. ____ Date ____ Date ____ Survey of Whitwood SD Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 8-26-59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
106+70 3				309 16	18 L Ed gutt.	
				309 03	20 " bott cb.	
				309 71	20 " Top "	
				310 04	29 5 " back walk	
107+12 1				310 24		℄ Jordan
				310 18		10 R w/4
			Rod	310 04		18 " Ed gutt.
				309 92		20 " bott cb.
				—		20 " depressed cb.
				310 73		29 5 " back walk
			Lenker	310 08	10 L	
				309 63	18 " same	
				309 48	20 "	
				—	20 " depressed cb.	
				310 52	29 5 "	
107+22 1				310 24		18 0 R Ed gutt.
				310 12	bott cb.	20 " S. end C.R. S.E. cor.
				310 80	Top "	20 " " " "
				310 81		29 5 " cor walk.
107+49 0				310 86		℄ Jordan.
107+68 1				311 40		℄ " w/4 Whittier

F. B. 2547 Pg. 52 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood Sd. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					F.B. 2548-223	semi-Tan
107+87.08				311 63	" 2552-96 97	℄ int. Jordan & Whittier
" "	= 0+00 going			E & W.	along Semi-Tan & ℄ Whittier blvd.	
0+24.0 E				311 37	36.2 L Ed gutt	
				311 30	38.2 " bott cb.	
				311 96	38.3 " Top " & drain	
			Center	308 98	41.4 " F/L box drain (center)	
0+58.0 E				312 37		℄ Whittier
				312 05		19 R w/4
				311 63		36.1 " Ed gutt
				311 52		38.1 " bott cb.
				—	depressed cb.	38.1 " Top "
				312 20		50 " P/L
				312 23	19.0 L	
			Rod	311 89	36.2 "	
				311 75	38.2 " same	
				312 40	38.2 "	
				312 6	50.7 " P/L	
"		S.M.H.		312 54	42.7 " S.M.H. E-Rim	
					Rim El. -(M + D) = invert	
				304 95	inv. 8" inlet E. 312.54 - (6.92 + 0.67) = 304.95	
				304 87	" 8" outlet W. 312.54 - (6.97 + 0.67) = 304.87	

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 53
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Whittwood S.D. - Line "B"
Survey by Sappell Notes DS Date 8-26-59
Map No. ____ Date ____ Indexed C. Johnson

76298 S & E #307—7-55

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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.

312.56

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
0+84.9 · E				312 06		34° R cor conc. apron
				311 96		36 " int. Ed gutt & "
0+87.5 · E				312 14		34 " Ed apron
				311 97		36 " brk "
				311 67		38 " F/L gutt
				312 47		38 " Top cb. End catch basin
				309 00	(3.56)	40.4 " F/L 24" conc. pipe
0+98.0 · E			Rod	312 87		℄ Whittier
				312 55		19 R W/4
				312 27		34 " Ed apron
				312 17		36 " brk "
			Lenker	311 69		38 " F/L gutt
				312 65		38 " Top cb. (catch basin)
				312 62		50 " P/L
				312 70	19 L W/4	
				312 46	36 " Ed gutt	
				312 36	38 " bott cb.	
				313 00	38 " Top "	
				313 3	50 " back walk	& P/L
1+02.6 · E				312 35		34 R Ed apron
				312 21		36 " in brk. "

F. B. 2547 Pg. 54 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood SD - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+02.6 - E				311 80		38 R F/L gutt.
				312 75		38 " Top cb. End basin
				309 88		40 " bott catch basin
1+08.6 - E				312 40		34 " cor apron
				312 31		36 " int Ed gutt. & Apron
1+32.4 - E		(Bell) T.M.H.	E. Rim	313 17	26.0 L T.M.H (Bell)	4.0 N&S x 6.2 E&W.
				304 42	bott vault - ctr.	8.75
				307 57	Top conduits	E. end vault 5.60
				306 57	bott "	E " " 5.60
				307 67	Top "	W. " " 5.50
				306 67	bott "	W " " [illegible]
1+45.5 - E		(General) T.M.H.	E. Rim	313 35	22.7 L T.M.H.	
				305 53	bott vault - ctr.	7.82
			Lenker Rod	309 85	Top conduit	E. end vault 3.50
				308 35	bott "	E. " " [illegible]
				309 35	Top "	W. " " 3.50
				308 35	bott "	W " " 5.00
1+46.6 - E				313 82	50' L cor. conc. walk	
1+98.0 E				314 25		℄ Whittier
				313 85		19 R w/4
				313 42		36 " Ed gutt.
				313 31		38 " bott cb.

Profile Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 55
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "B"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8.26.59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

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.		
1+98.0 - E			Lenker Rod	313 97		38 R Top cb.
				313 40		50 " P/L
				314 11	19 L w/4	
				313 72	36 " Ed gutt.	
				313 62	38 " bott cb.	
				314 30	38 " Top "	
				314 73	50 " back walk & P/L	
2+16.5 - E				310 51	46.3 L F/L ctr. 2°x4° box drain @ W. end	catch basin
2+92.4 - E		S.M.H.				20 R S.M.H.
					Rim El. - (M+D) = invert	
				305 93	inv. 8" inlet N. 315.17 - (8.57+0.67) = 305.93	
				305 84	" 8" stub E 315.18 - (8.67+0.67) = 305.84	
				305 70	" 8" outlet W 315.14 - (8.77+0.67) = 305.70	
3+16.2 E				315 25	42.5 L S.M.H N. Rim	
					Rim El. - (M+D) = invert.	
				308 17	inv. 8" inlet N 315.25 - (6.41+0.67) = 308.17	
				307 87	" 8" outlet W. 315.24 - (6.70+0.67) = 307.87	
0+51.0 - W		S.M.H.		310 44	22.6 L or South S.M.H. E - Rim	
					Rim El. - (M+D) = invert.	
				301 44	inv. 8" inlet E 310.44 - (8.33 - 0.67) = 301.44	
				301 28	" 8" outlet W 310.42 - (8.47 - 0.67) = 301.28	

F. B. 2547 Pg. 56 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed A. 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.		
0+56±	W			310 81	semi-Tan Whittier	
				310 70	21± R w/4	
				310 29	38± " Ed gutt	
				310 42	40± " both cb	
			Lenker	310 76	40± " Top "	
				311 1	52± " P/L	
				310 41	17± W/4	
				310 09	34± Ed gutt.	
				309 94	36± both cb.	
			Rod	———	36± Top " depressed cb	
				310 93	48± back walk.	
0+88±	W	(General) T.M.H	E. Rim	310 20	(5° N45 × 10' E&W)	26± IR T.M.H.
				301 74	both ctr. vault	8.46
				306 07	Top conduit	E end vault 2.13
				303 87	both "	E " " 6.32
				305 37	Top "	W. " " 2.85
				303 77	both "	W. " " 6.43
0+96±	W			310 19		semi-Tan Whittier
				310 15		24± R w/4
				309 74		41 " Ed gutt
				309 67		43 " both cb

Profile
Notes Red. _____ Plotted _____ Job No. C25220 Division No. 16 F. B. 2547 Pg. 57
No. _____ Date _____ Date _____ Survey of WHITTWOOD SD - Line "B"
X-Sec. Notes Chkd. _____ Checked _____ Survey by [illegible] Notes [illegible] Date 8-26-59
No. _____ Date _____ Date _____ Map No. _____ Inspected C. J. [illegible] Date _____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+96.0 W				310 32		43' R Top cb.
				310 7		55 " P/L ±
				309 92	14.8 L W/4	
				309 59	31.8 " Ed gutt	
				309 51	33.8 " bott cb.	
				310 12	33.8 " Top "	
				310 47	45.9 " back walk	
1+96.0 W			Lenker Rod	308 66		Semi-Tan-Whittier
				308 91		16.5 R ctr. Whittier
				308 73		35.5 " W/4
				308 30		52.5 " Ed gutt
				308 21		54.5 " bott cb.
				308 86		54.5 " Top "
				309 3		66.5 " P/L ±
				308 51	3.8 L W/4	
				308 20	20.8 " Ed gutt	
				308 11	22.8 " bott cb	
				308 86	22.8 " Top "	
				309 07	34.9 " back walk	
T.P.				307 24	T.P.	

F. B. 2547 Pg. 58 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "R" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
semi-Tan 2+87.1 W +O.K.		S.M.H		307 26	E-Rim	76° R S.M.H.
					Rim El. - (M + D) = invert	
				299 35	inv. 8" inlet E 307.26	-(7.24+0.67) = 299.35
				299 29	" 8" " N 307.29	-(7.33+0.67) = 299.29
				299 08	" 8" outlet S. 307.23	-(7.48+0.67) = 299.08
				299 14	" 8" " W'ly 307.26	-(7.45+0.67) = 299.14
semi-Tan 2+75.9 W +O.K				307 54	E-Rim	5.4 R S.M.H.
					Rim El - (M + D) = invert	
				298 51	inv. 8" inlet N 307.55	-(8.37+0.67) = 298.51
			Lenker	298 41	" 8" " E 307.54	-(8.46+0.67) = 298.41
				298 28	" 8" outlet W 307.54	-(8.59+0.67) = 298.28
2+95.07 W					F.B. 2548-224 P.I	whittier
4+69.1 N-W'ly semi-Tan.		(Bell) T.M.H		305 25	E Rim	32' R or North. (Bell) T.M.H.
				296 71	bott vault - ctr	4° N-S x 7.2 E-W. 8.5
			Rod	299 61	Top conduit E end vault	5.6
				298 61	bott " E " "	5.6
				299 61	Top " W " "	5.6
				298 61	bott " W " "	5.6

(over)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 59
Date ____ Date ____ Survey of Whittwood S.D. Line "B"
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 8-26-59
Date ____ Date ____ Map No. ____ Indexed C. John Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
6+88.3 W. ℄ Whitter		(General?) T.M.H.		302 25		22.7 R or North T.M.H. E. Rim
			8 33	293 92	bott ctr. vault.	(4° N&S. x 7° E&W.) M.H. in ctr.
			4 78	297 47	Top conduit W. end vault	
			6 29	295 96	bott. " W. " "	8 holes
			4.55	297 70	Top " E " "	
			6.11	296 14	bott " E " "	8 holes
T.P.				308 08	T.P.	
BMSD. 1734				310 19	BMSD 1734, El. 310.189, F.B. 2518-31 J.N. 6253.20	
					Jordan Ave & Whittier Blvd. S.E. cor.	
					State Hwy. Brass Disc in walk 53.5 Ft.	
					S. of S. end C.R. & 5° E. of E. curb.	

F. B. 2547 Pg. 60 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "B" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

Notes Ck'd by
Map No.
Date

Survey of Whittwood S.D. Line "C"
JN 6253.20 Tape 0138 Std 68 °F
Surveyed by D. Sappell
Notes D.S. Date 11-59
Indexed C. Johnson

F. B. 2547 Pg. 71

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ Nº 532

CENTER LINE SURVEY

OF

LINE "C"

FROM

SCOTT AVE & SANTA FE ST N.E'LY
TO PACIFIC ELECTRIC RAILWAY
TRACK

party: Sappell
Shoemaker
Lieber
Caro
Clifford

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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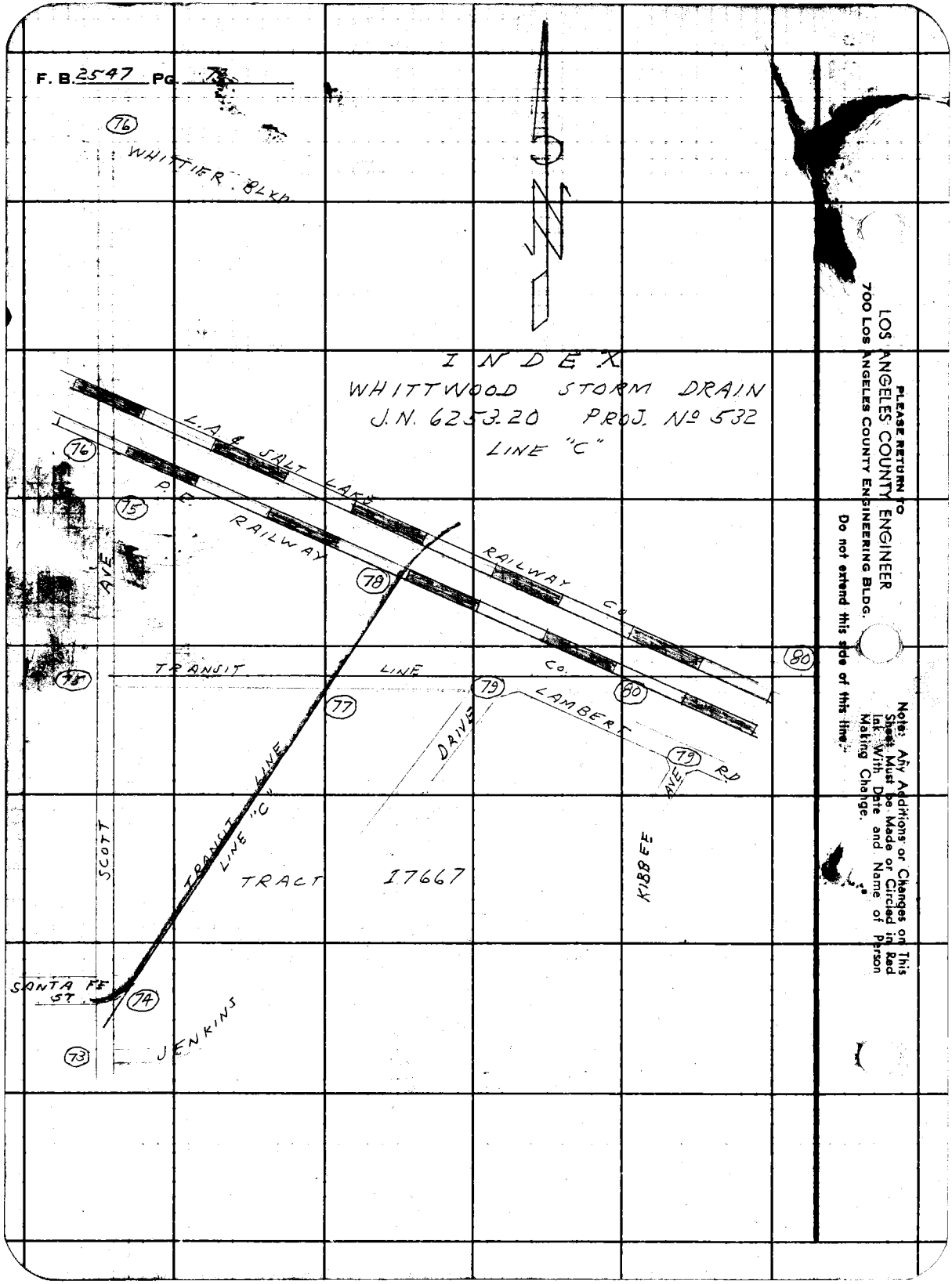
76F309S SEE #247 11-58

F. B. 2547 PG. 73



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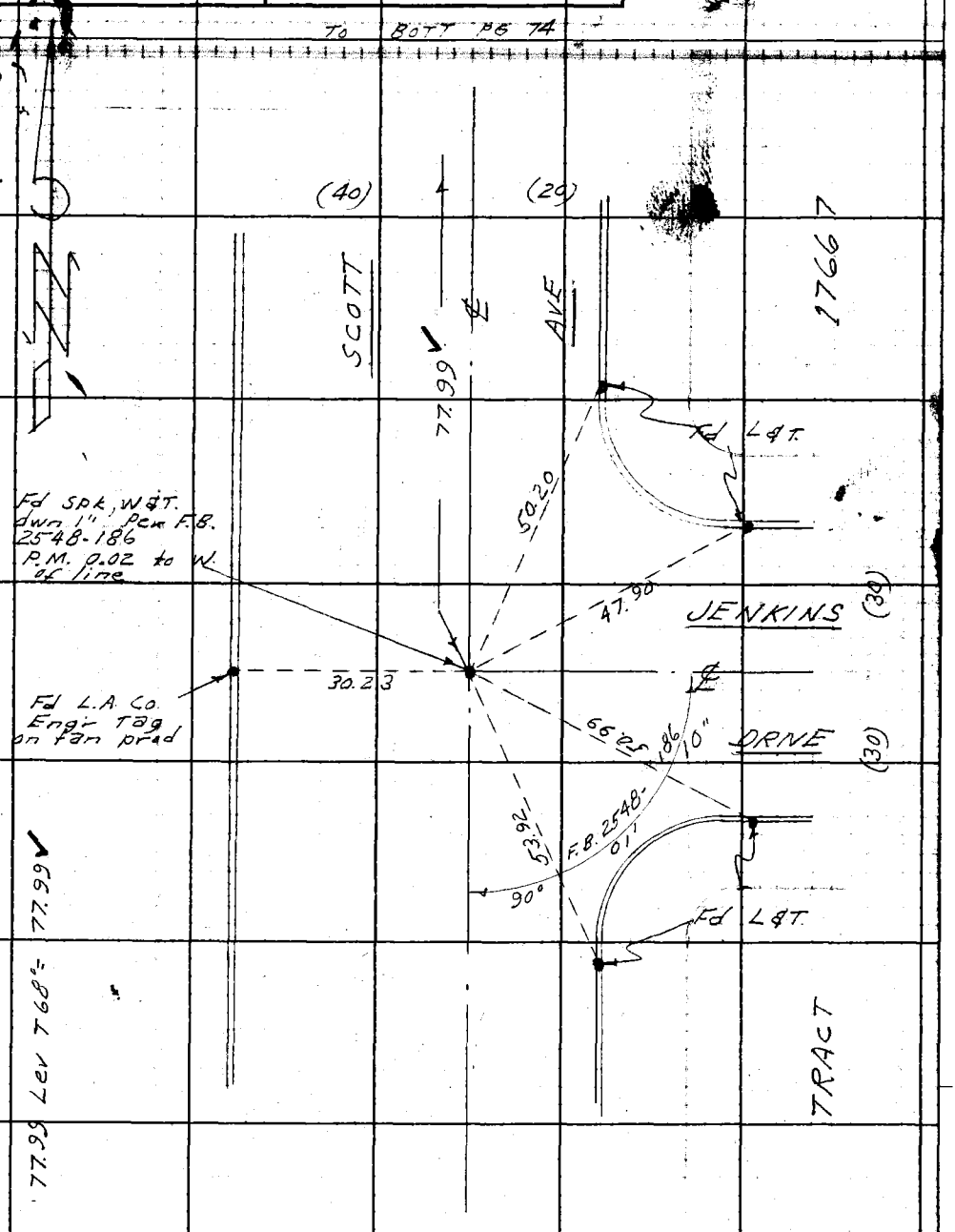
W.S.34, C-2

Notes Ck'd by Miller	Survey of Whittwood S.D. - Line "C"
Map No.	IN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed [illegible]

F. B. 2547 PG. 73



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763098 CE #247—7-53

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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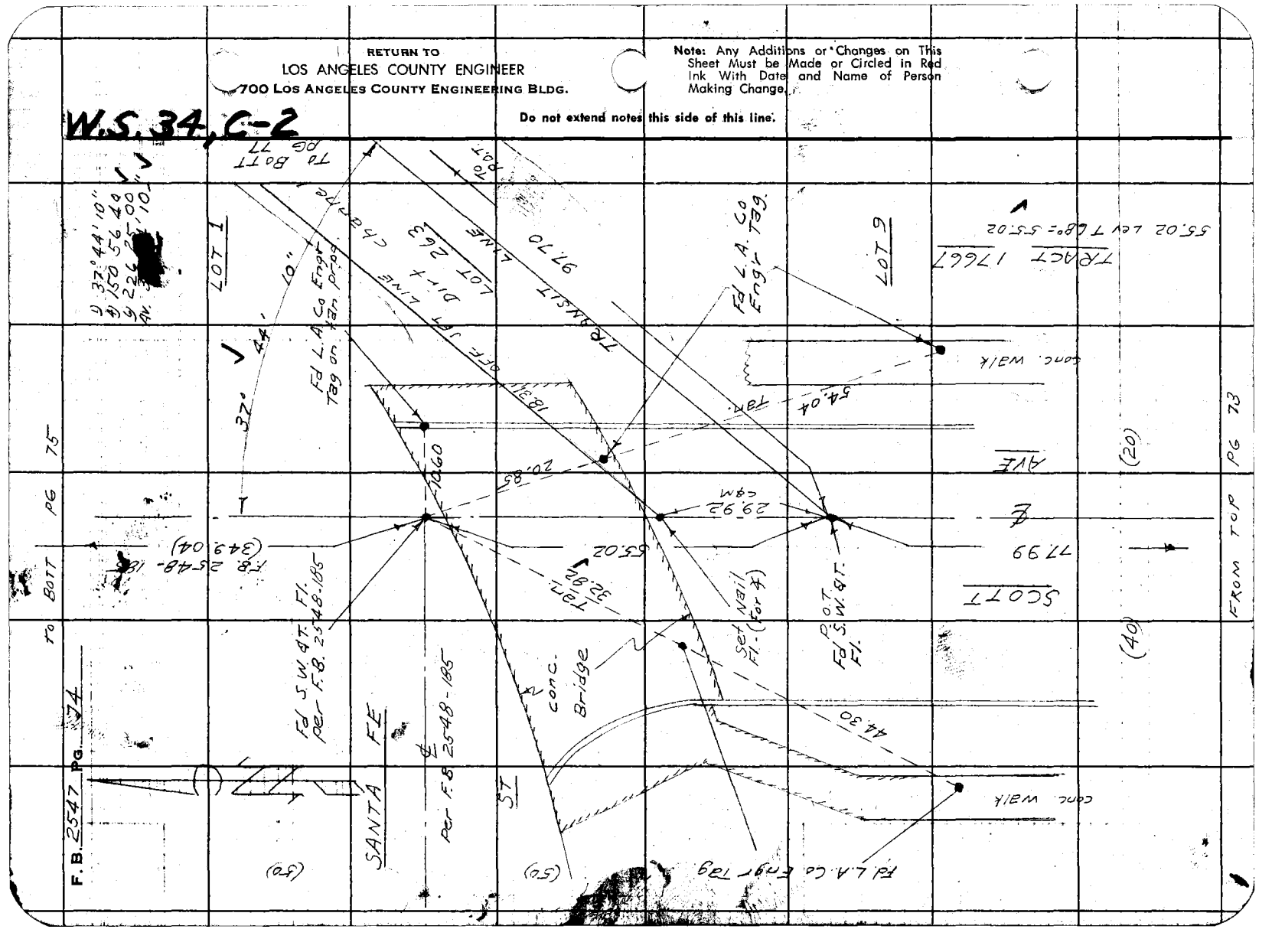
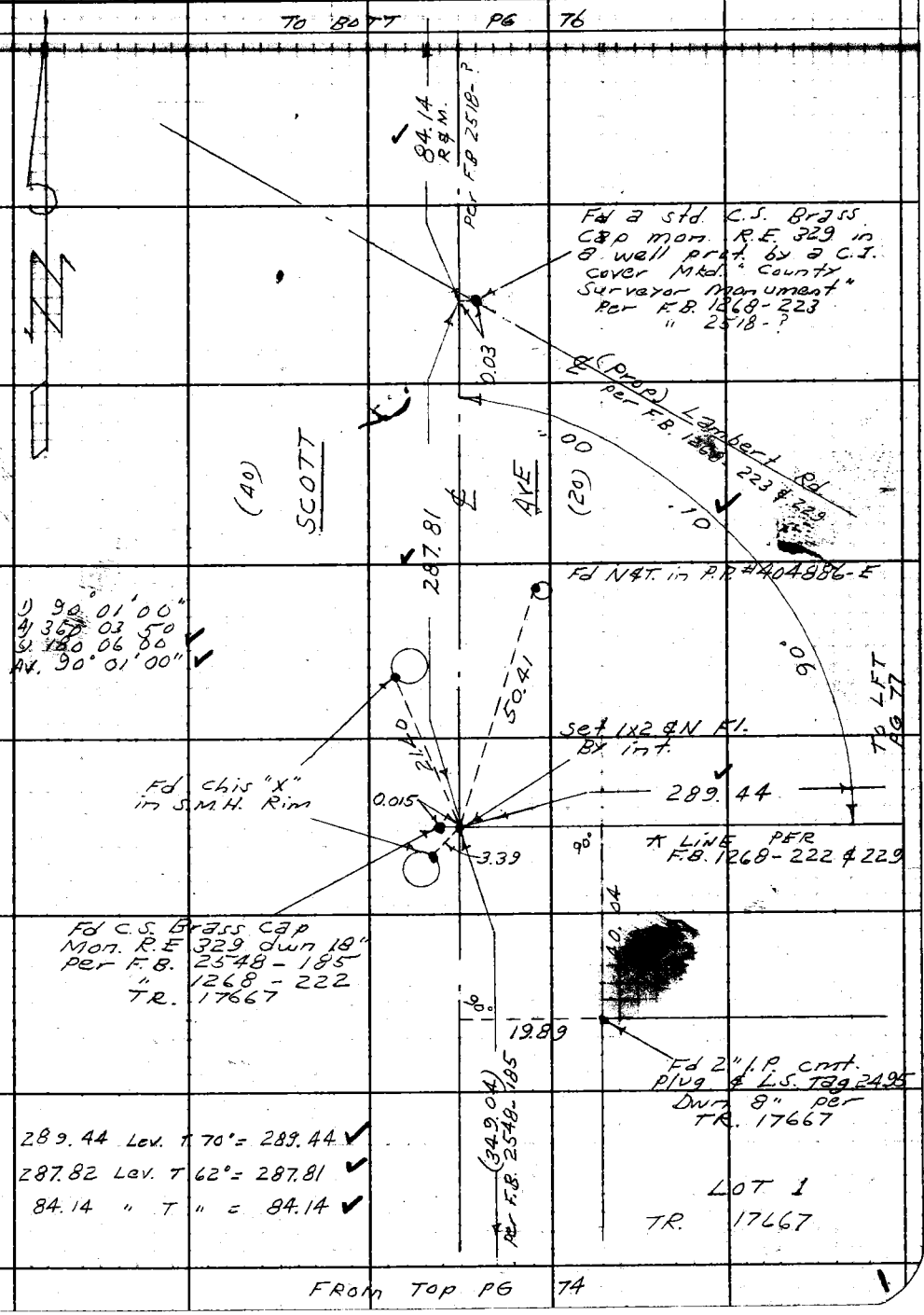
W.S. 34, C-2



W.S.34.C-2

Notes Ck'd by Miller	Survey of Whittwood S.D. Line "C"
Map No.	IN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed C. Johnson

F. B. 2547 PG. 75



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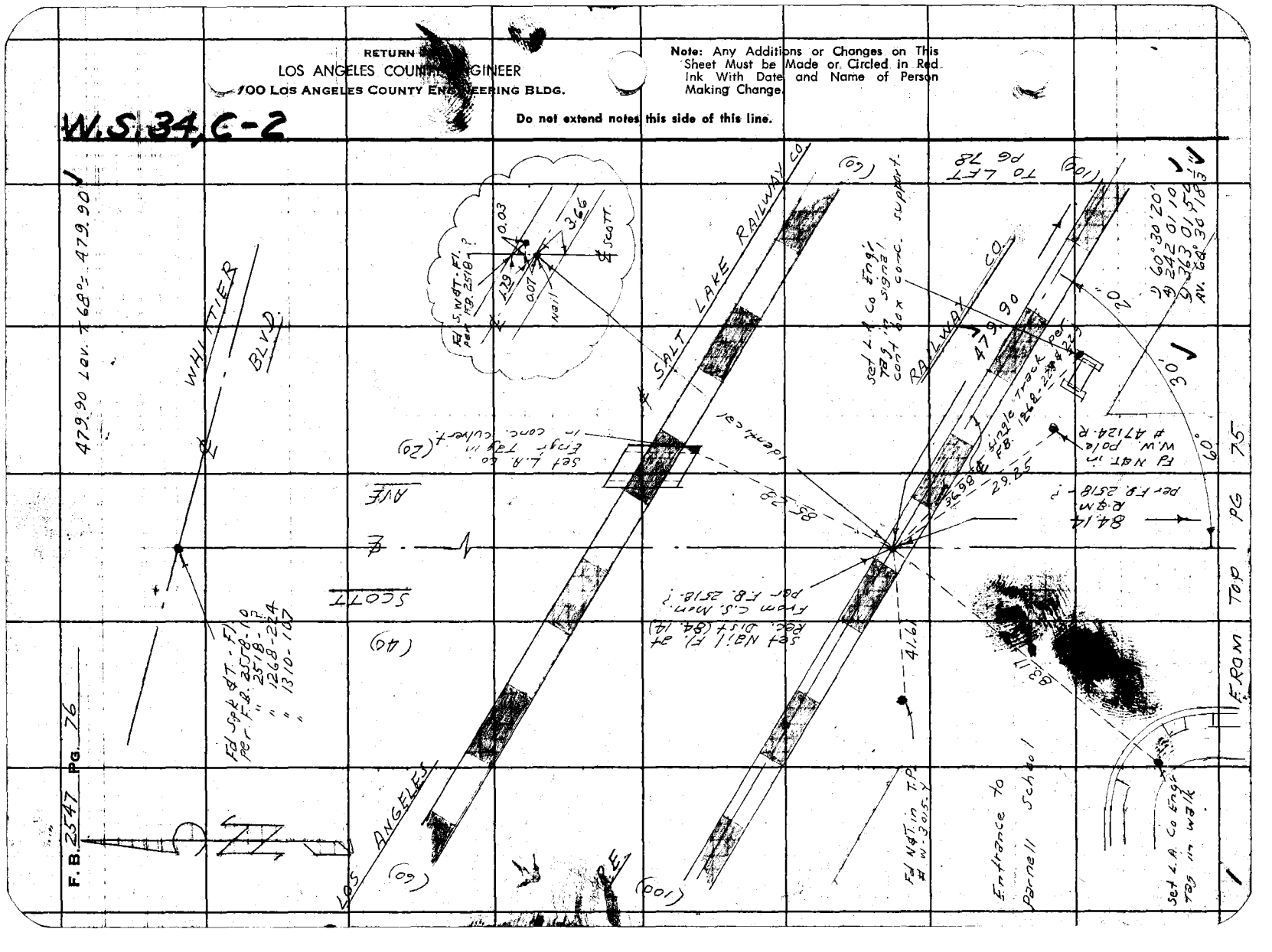
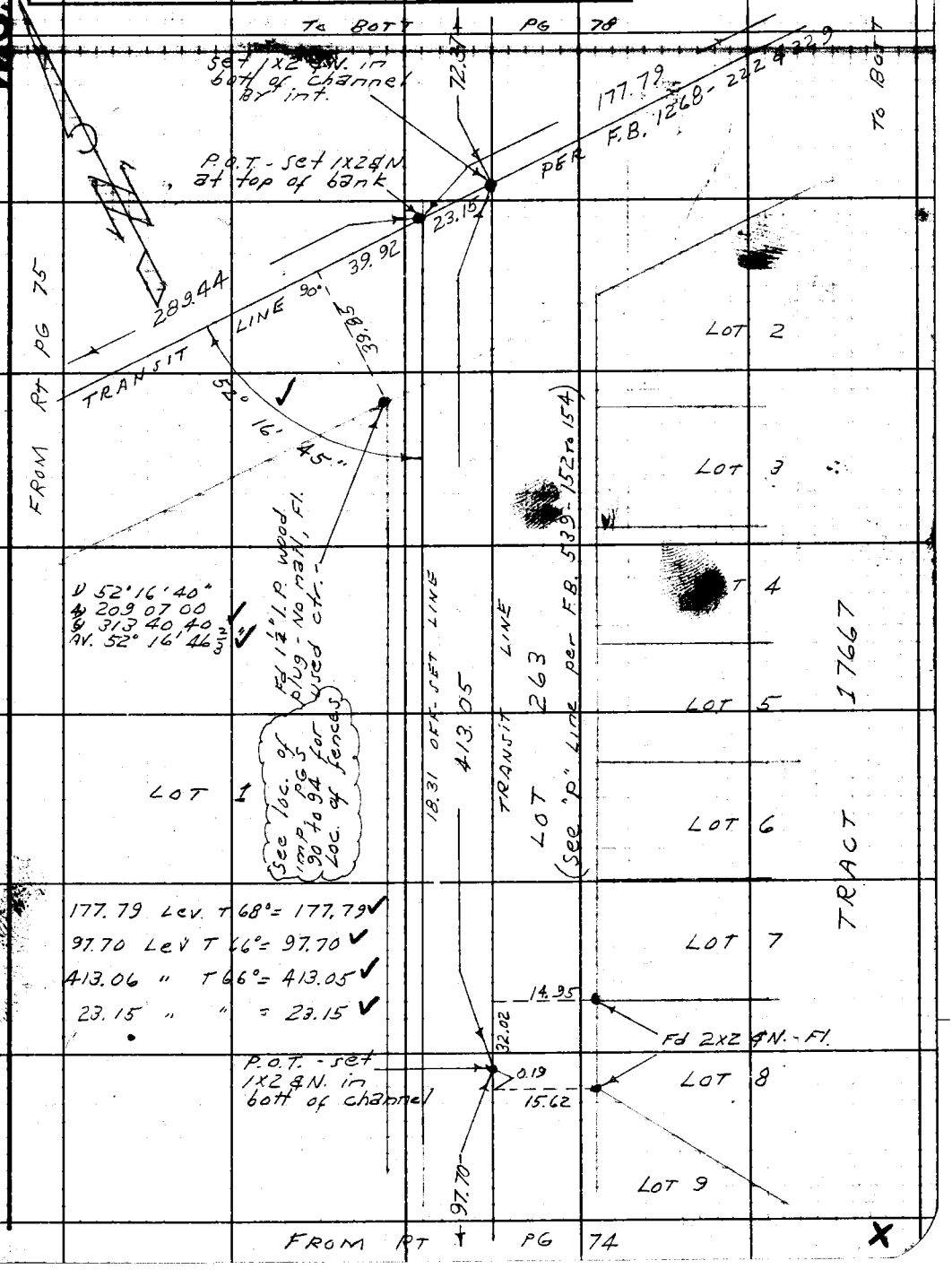
W.S. 34, C-2



W.S. 34, C-2

Notes Ck'd by Miller	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed K. C. Johnson

F. B. 2547 PG. 77



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763098 CE #247—7-53

F. B. 2547 PG. 78

W.S. 34 C-2

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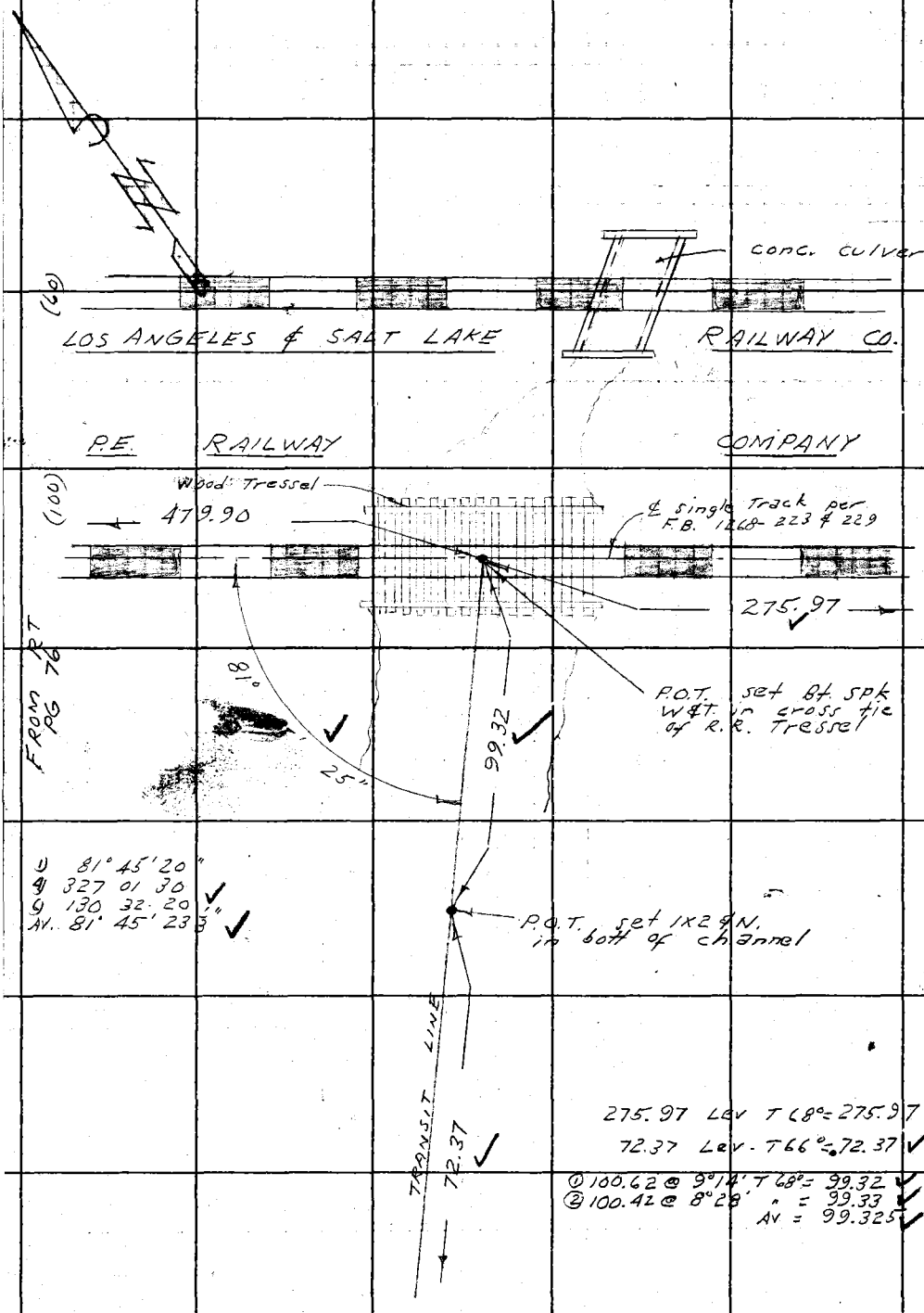
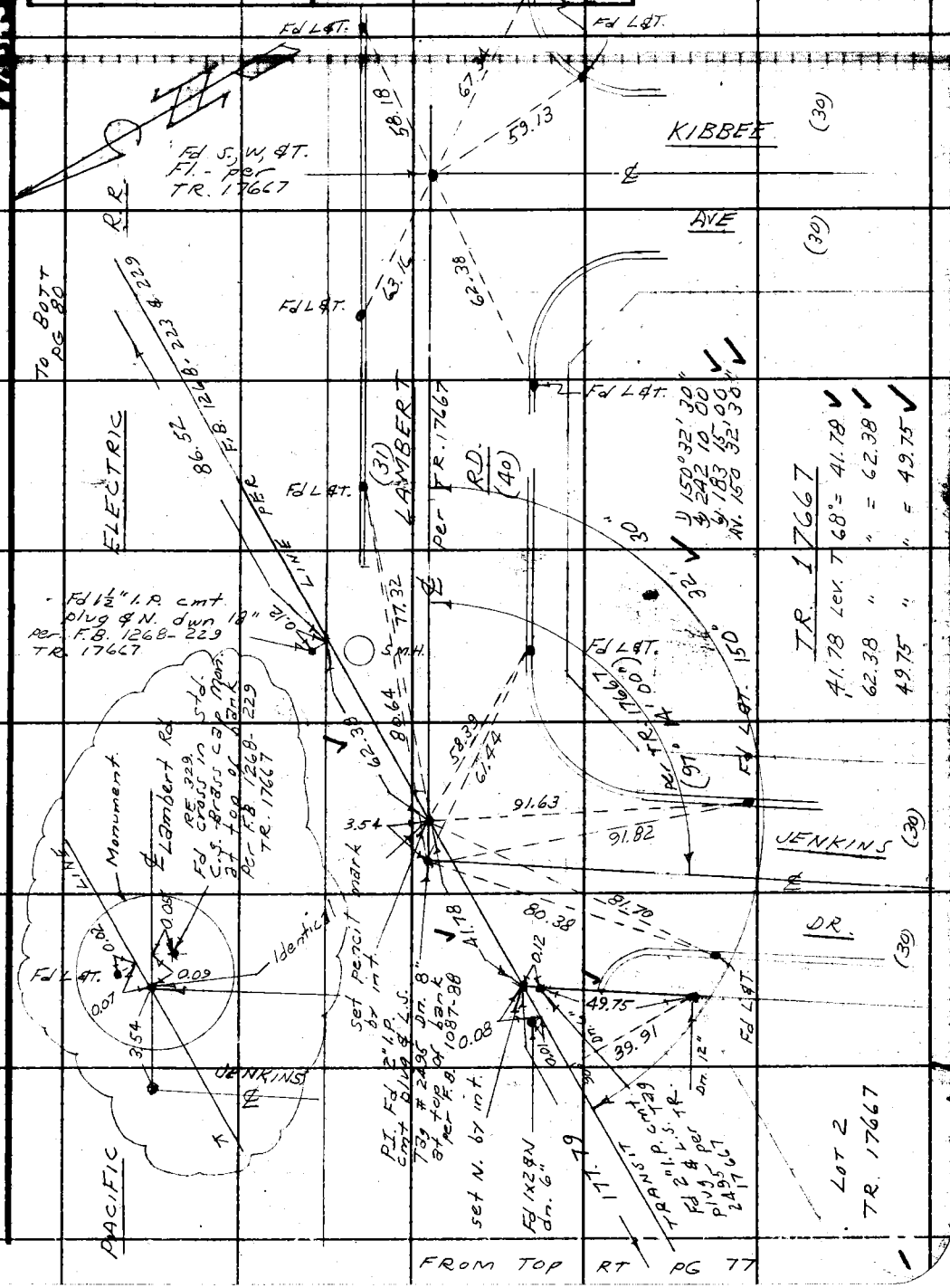


W.S.34, C-2

Notes Ck'd by Miller	Survey of Whittwood S.D-Line "C"
Map No.	JN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed C. Johnson

F. B. 2547 PG. 79



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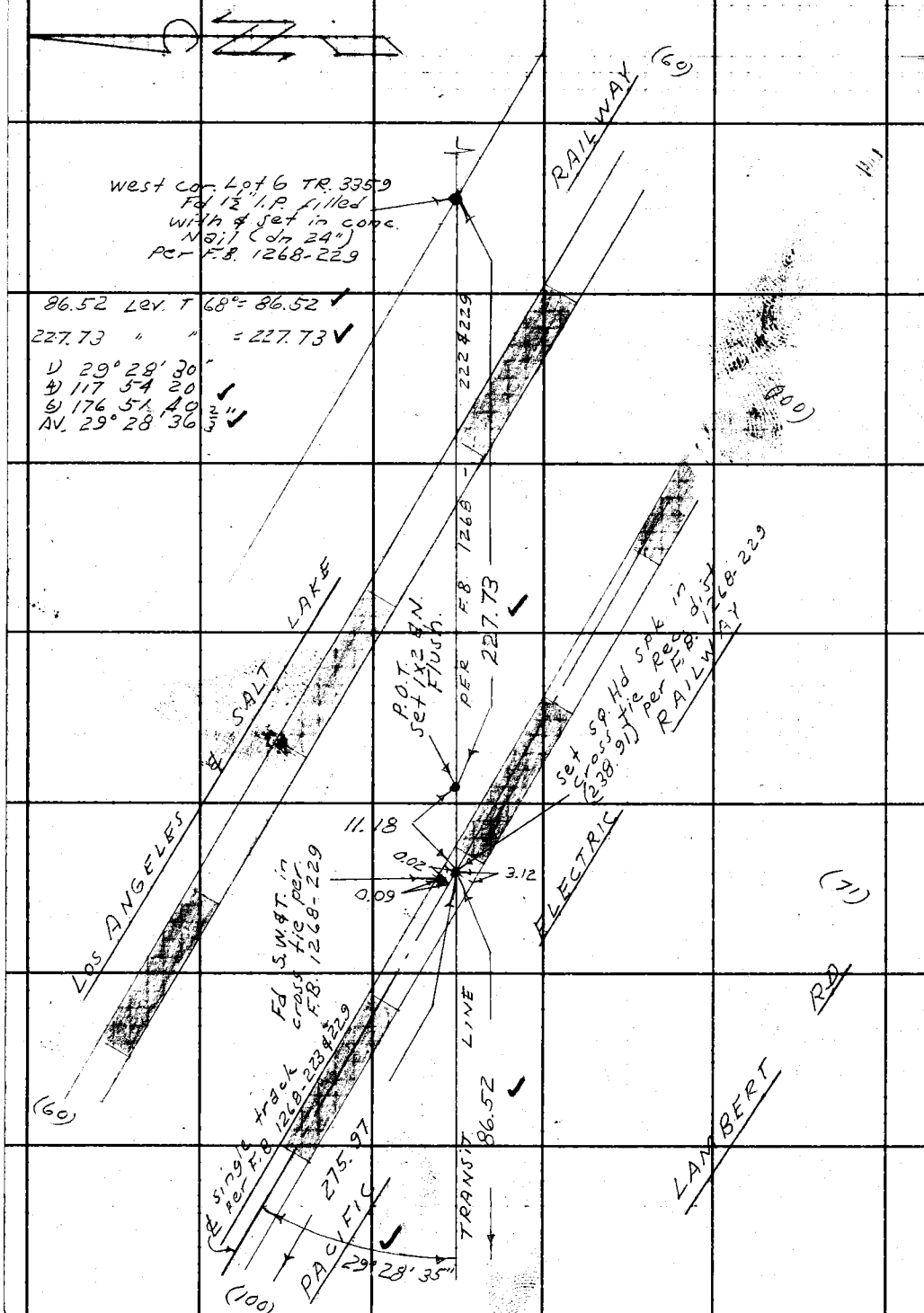
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F. B. 2547 Pg. 80



FROM LFT PG 79

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Notes Ck'd by	Survey of	F. B. PG.
Map No.	IN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

PGS 81 TO 88

OPEN

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763098 CE #247—7-53

F. B._____ PG._____

PGS 81 TO 88

OPEN

RETURN TO

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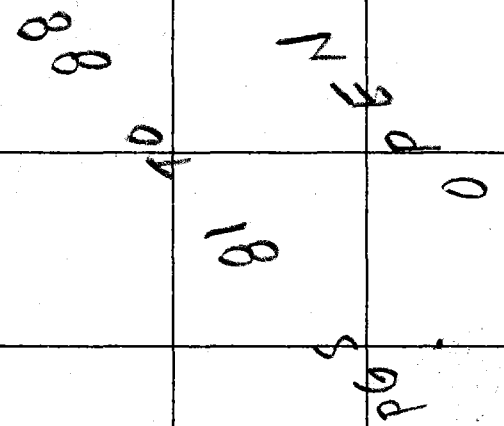

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LINE "C"

Notes Ck'd by	Survey of Whittwood SD Line
Map No.	JN 6253.20 Tape Std °F
Office Work	Surveyed by Shoemaker, Lieber
Checked	Notes Shoemaker Date 11-52
Date	Indexed C. J. Orrison

F. B. 2547 PG. 89

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ. Nº 532

LOC. OF IMP.

OF

LINE "C"

FROM

SCOTT AVE & SANTA FE ST. N'ELY TO THE N'LY R/W OF THE L.A. & SALT LAKE RAILWAY CO.

Party: Shoemaker
Lieber
Caro
Clifford

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PLEASE RETURN TO
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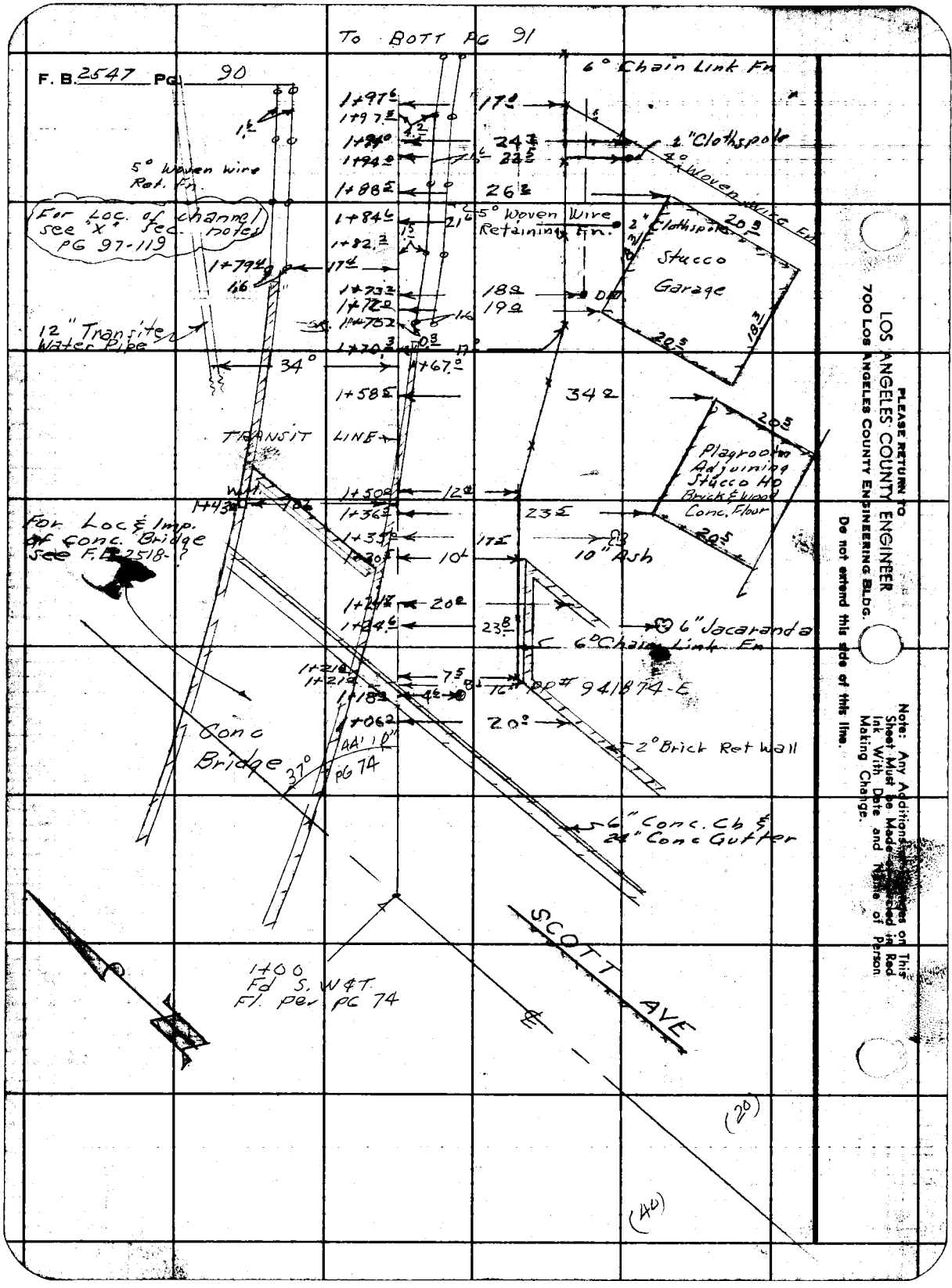
700 Los Angeles County Engineering Bldg.

76F3098 SEE #247 11-58



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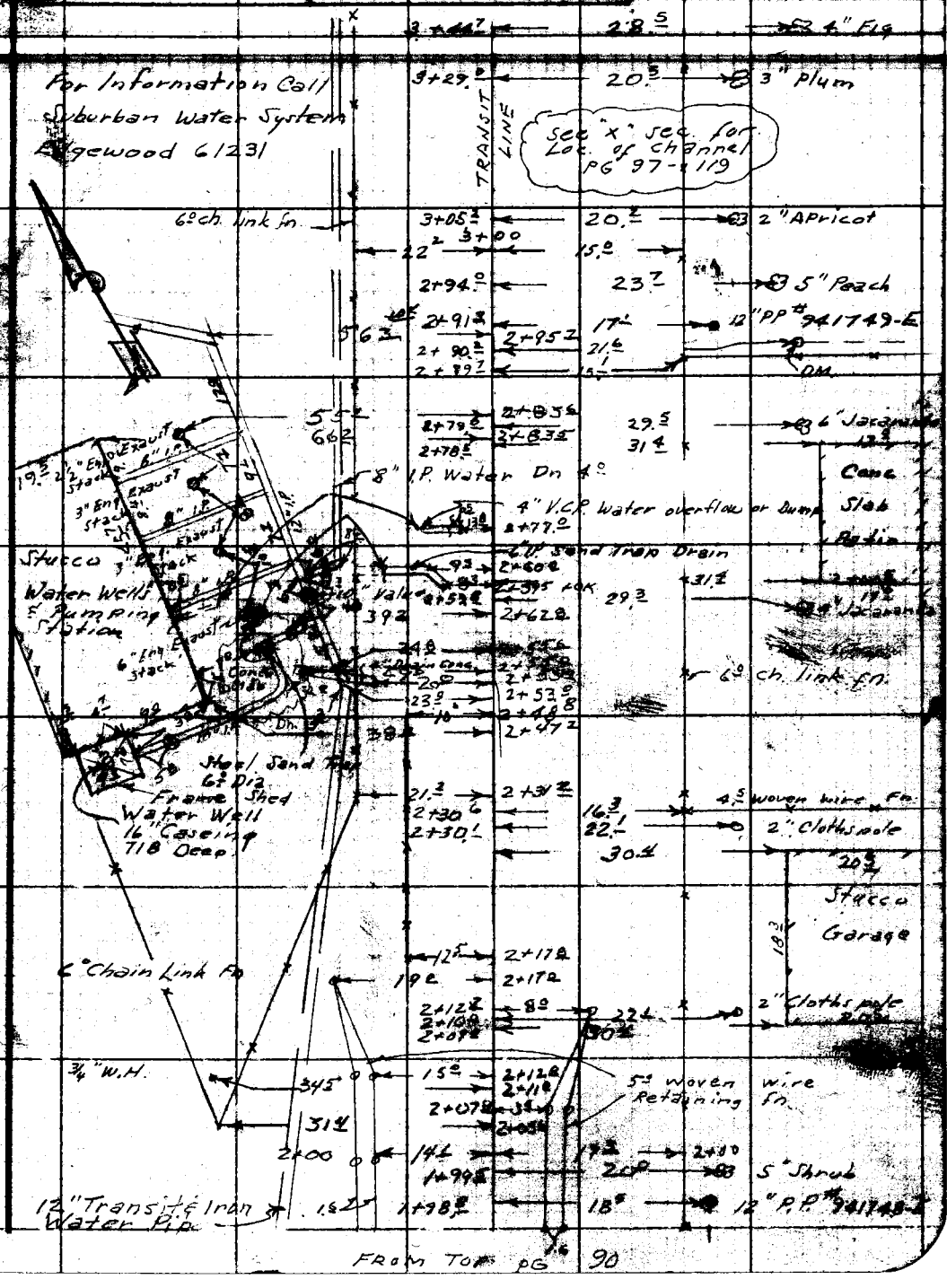
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Whittwood S.D. Line "C"
JN 6253.20 Tape Std °F
Surveyed by [illegible]
Notes Lieber Shoemaker Date 11-[illegible]-59
Indexed C. Johnson

F. B. 2547 PG. 91



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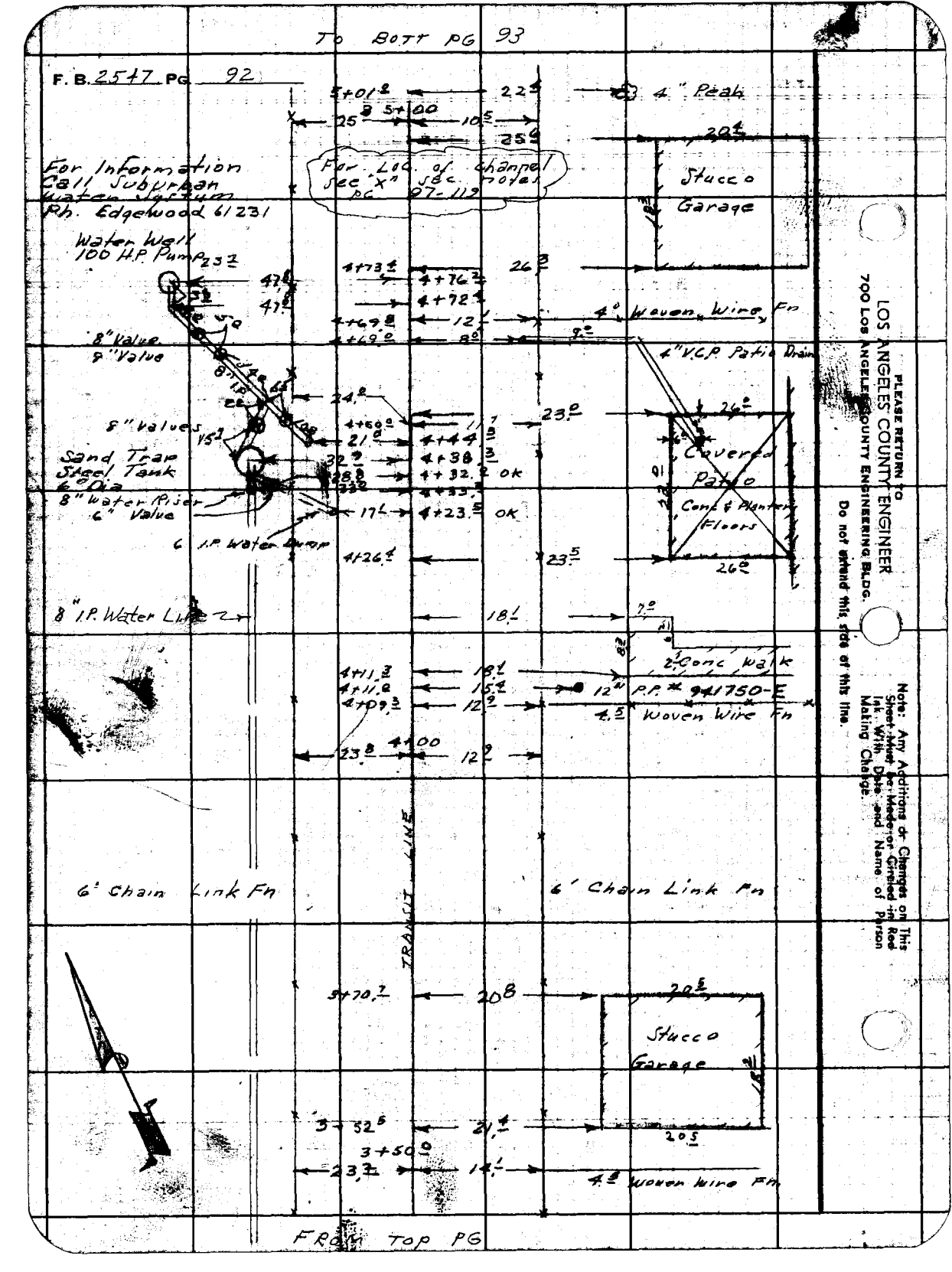
700 LOS ANGELES COUNTY ENGINEERING BLDG.

To Bott pg 93

F. B. 2547 Pg 92



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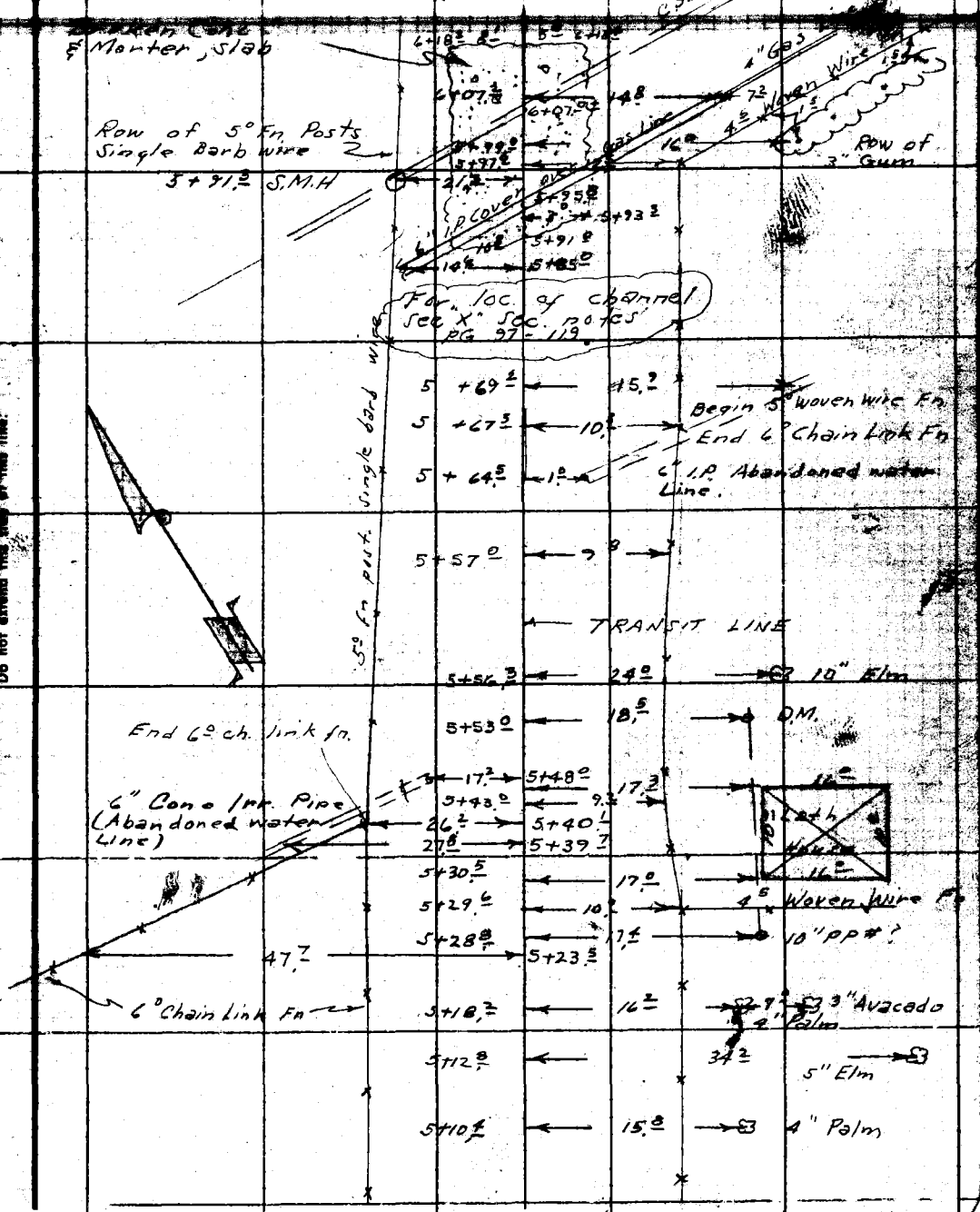
From Top pg

LINE "C"

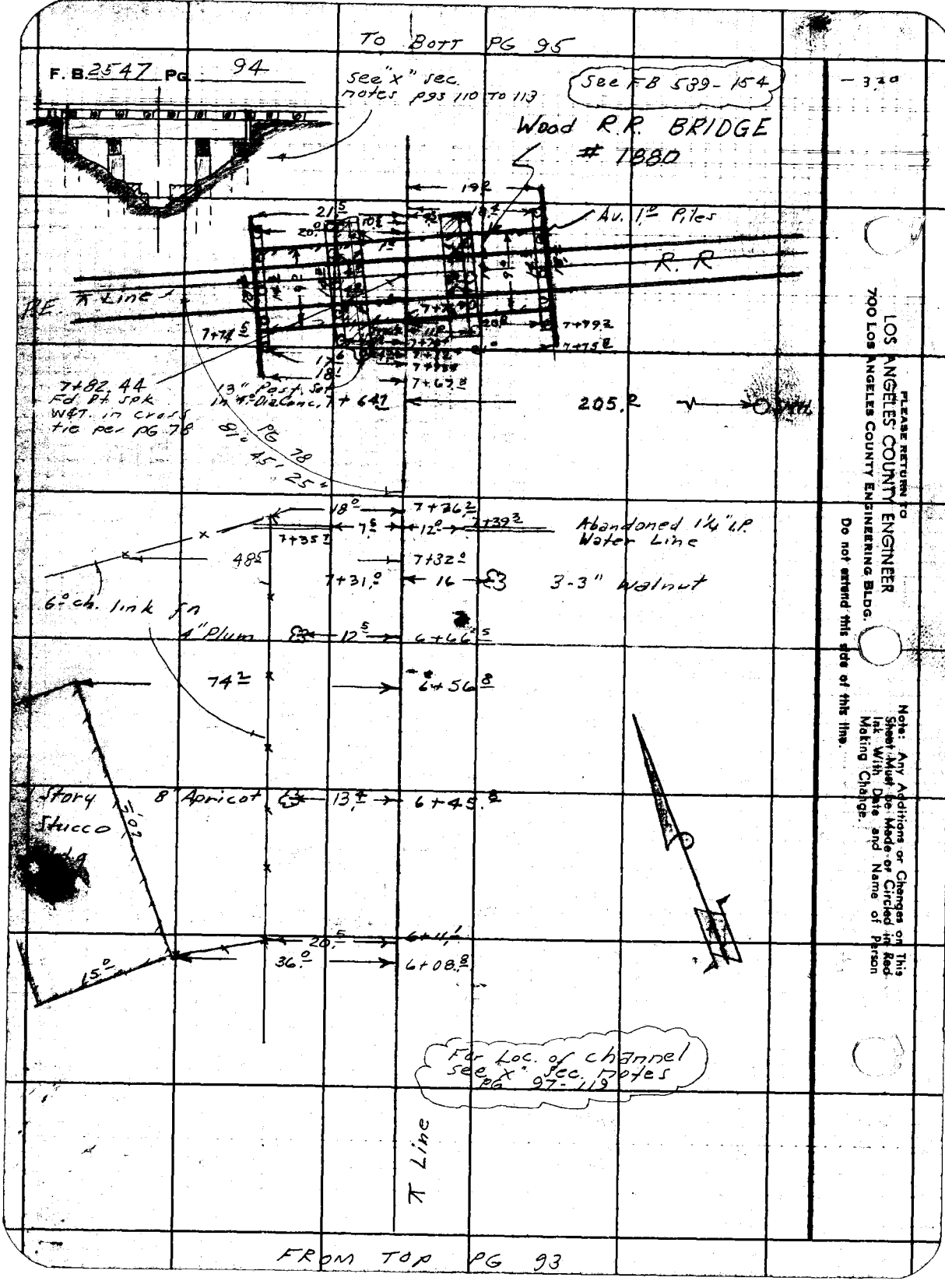
Notes Ck'd by	Survey of Whittwood S.D.	F. B. 2547 PG. 93
Map No.	JN 625820 Tape Std °F	
Office Work	Surveyed by [illegible]	
Checked	Notes Lieber Shoemaker Date 11-59	
Date	Indexed C. Johnson	

TO BOTT PG 94



FROM TOP PG 92

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
PLEASE RESTORE TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
76F3098 S&E #247 11-58



TO BOTT PG 95
F. B. 2547 PG. 94
See "X" sec. notes pgs 110 to 113
See F.B. 539-154
Wood R.R. BRIDGE # 1880
Av. 1.0 Piles
R.R.
P.E. ⊼ Line
7+74.5
7+82.44 Fd. Pt. spk W&T. in cross tie per PG 78
13" Post Set in 4" Dia Conc.
7+64.7
205.0
PG 78
81° 45' 25"
18.0
7+36.2
7+39.3
Abandoned 1¼" I.P. Water Line
7+35.7
48.5
7+32.0
7+31.0
16
3-3" Walnut
6" ch. link fn
4" Plum
12.5
6+66.5
74.2
6+56.8
Story Stucco
8" Apricot
13.4
6+45.8
20.5
6+11.1
36.0
6+08.8
15.0
For Loc. of channel see "X" sec. notes PG 97-119
⊼ Line
FROM TOP PG 93
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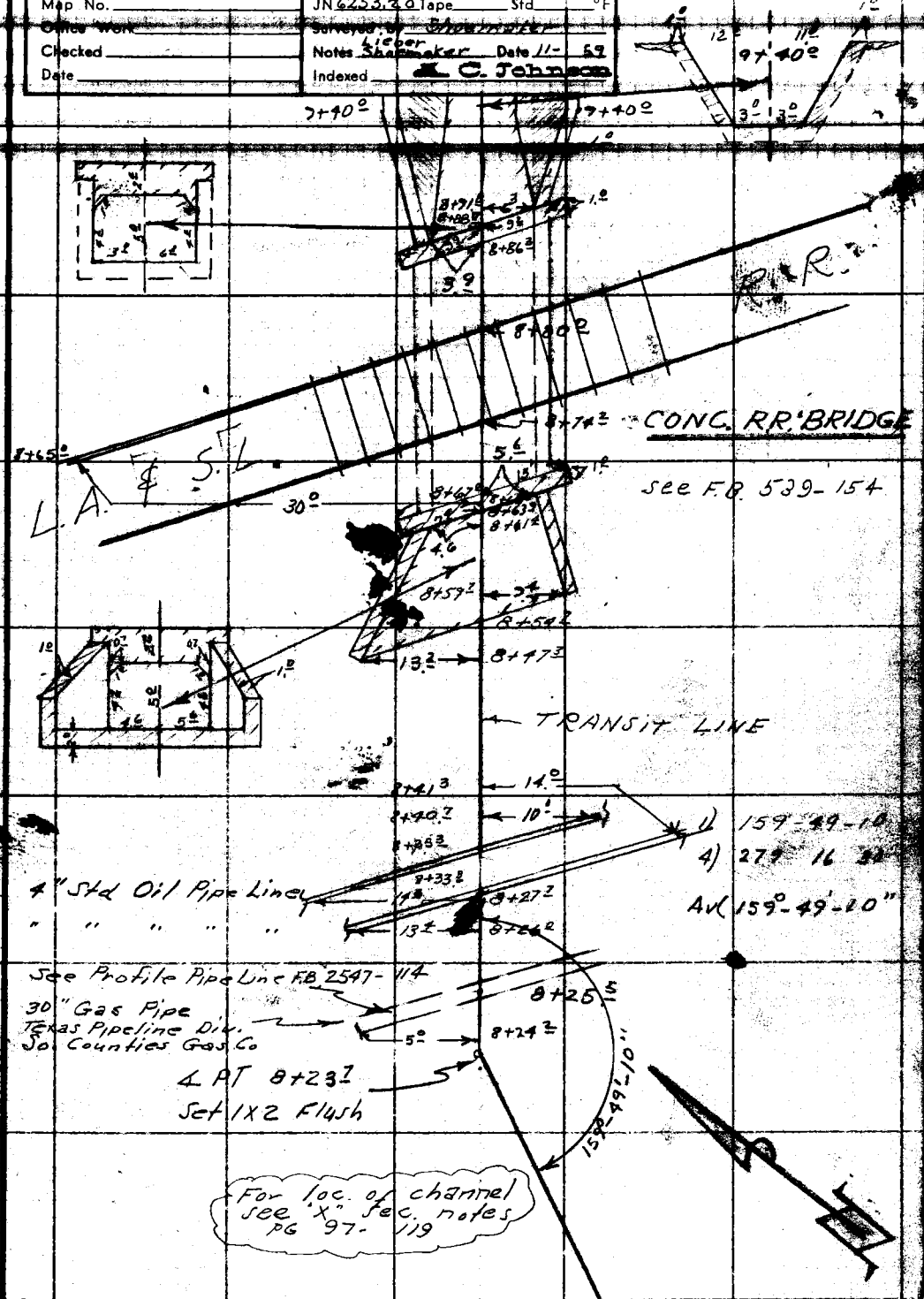
Notes Ck'd by	Survey of Whittwood SD Line "C"	F. B. 2547 PG. 95
Map No.	JN 6253.20 Tape Std °F	
Office Work	Surveyed by Shoemaker	
Checked	Notes Lieber Shoemaker Date 11-59	
Date	Indexed A. C. Johnson	



FROM Top PG 94

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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Profile No. ____ X-Sec. No. ____

Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 97

Date ____ Date ____ Survey of Whittwood S.D. Line C

Notes Chkd. ____ Checked ____ Survey by Shoemaker Notes Shoemaker Date 11-__-59

Date ____ Date ____ Map No. ____ Index ____ Date ____

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ. NO. 5-32

CROSS-SECTIONS

OF

LINE "C"

FROM

SCOTT AVE & SANTA FE ST. N-E'LY

TO THE N'LY R/W LINE OF THE

L.A. & SALT LAKE RAILWAY CO.

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

Party: Shoemaker
Lieber
Caro
Clifford

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700 Los Angeles County Engineering Bldg.

761-298 CE 307 11-58

76L-298 CE 307 11-58

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F.B. 2547 Pg. 98 | Job No. 6253.20 | Division No. 10 | Notes Red ____ Date ____ | Notes Chkd. ____ Date ____ | Plotted ____ Date ____ | Profile No. ____ | X-Sec. No. ____

Survey of Whittwood S.D. Line "C"

Survey by Shoemaker Notes Shoemaker

Indexed R. C. Tobin Date

STATION	B.S.	H.I.	F.S.	ELEV		
BM S.D.1721				213.65	BM S.D.1721 El. 213.651	F.B. 2518-24 V.N. 6253.20
(For 2nd El. Bridge see Survey of		of Int. ℄ F.B. Line "B")			Scott Ave & Lashburn St, W. Side; Bt. Spk. in W. curb 5 Ft. N. of ℄ Prod.	
T.P.				213.03	T.P.	
BM S.D.1720				212.56	BM S.D.1720 El. 212.559	F.B. 2518-24 V.N. 6253.20
					Santa Fe Ave & Scott Ave, S.W. Cor.; Bt. Spk. in curb at S.W. Cor. of bridge over Channel. About 12 Ft. N. of S. end C.R.	
1+00	PG	74.90		211.61	℄ Int Scott Ave & T Line	S.D.
1+13.4				211.45	T line	Ed. gut.
1+16.5				211.33	T line	Bot Cb
1+16.5				212.06	T line	Top "
1+21.0				212.2	T line	Gnd
"				211.8	8'-R	Bot Ret Wall
"				213.39	8'-R	Top " "
"				213.7	28°R	Gnd
1+30 ℄				212.2	T Line	
"				212.3	10'-R	Bot Ret Wall
"				213.4	10'R	Top " " & Gnd Ahead

Lenker Rod

76L-298 CE 307 11-58

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Profile Notes Red____ Plotted____ Job No. 6259.20 Division No. 10
No.____ X-Sec.____ Date____ Date____ Survey of Whitmood S.D. Line C
Notes Chkd.____ Checked____ Survey by Shoemaker Notes Shoemaker Date 11-59

F.B. 2547 PG. 38

STATION	B.S.	H.I.	F.S.	ELEV.		
1+35.3				212.34	13.3 L	Top Cb. on bridge & S'ly Ed. bridge
				212.3	13.3 L	Gnd
1+43.6				212.60	10.3 L	brk in top conc. wing wall
				211.7	10 3/4 L	Gnd - S'ly of wing wall
1+46.0				210.8		T Line & pt Bot Brk's
				212.0		12.2 R Brk
				213.3		12.5 R Top Brk
				213.7		24 R Gnd
1+49.6			Lenker Rod	210.19	8.5 L	Conc. W. Wall & Gnd (both brk in top W.W.)
1+58.9				212.51	24.4 L	" Top " " "transite" water line.
1+67.9				206.15	34 L	
1+72.4				209.9		T Line gnd
				210.38		T Top Conc W.W.
1+74.5				210.39		T " " "
				202.36		T Bot " channel
1+75.5				202.35		0.3 R Bot Cor End W.W.
				204.3		0.3 R Dirt Over
				209.2		1.0 R Brk
				213.4		17.5 R Top Brk grnd level to Garage
1+77.2				202.39	8.8 L	End Bot Conc Drain approx. ctr drain
				203.0	8.2 L	Dirt over " " " " "
T.P.				211.40	T.P.	

76L-298 CE 307 11-58

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F.B. 2547 Pg. 100 | Job No. 6268.20 | Division No. 10 | Notes Red | Plotted | Profile
Survey of Whitmood S.D. Line "C" | Date | No.
Survey by Shoemaker | Notes Shoemaker | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV		
1+79.2				202.47	17.4 L	Bot Con Conc Drain
				203.5	17.4 L	Dirt over " "
				210.45	17.9 L	Top End W. Wall
				210.0	18.1 L	Gnd
				211.4	22.5 L	"
				212.4	32.5 L	"
1+80.0				205.2		℄ Line both channel
			Lenker Rod	205.5		2.5 R Brk both channel
				207.8		2.5 R Brk " "
				213.2		11.0 R Brk in side slope
				214.1		17.8 R Top slope (Gnd level to Garage.)
				202.9	7.5 L	both channel
				202.9	15.3 L	" "
				205.3	19.0 L	Brk in side slope
				208.6	19° L	Brk " " "
				211.4	23° L	Top slope
				212.4	32.5 L	Gnd
1+88.5				206.8		℄ Line both channel
				206.9		3.3 R " "
				213.2		11° R Top slope
				206.8	2.3 L	both channel

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
1+88.5				202.8	9.2 L bott channel	
				205.2	15.7 L " "	
				212.6	24.0 L Top slope	
2+00				206.6		⊼ Line bott channel
				206.7		4.6 R " "
				208.8		4.6 " " "
				213.4		11.0 " brk in side slope
			Lenker Rod	214.0		17.1 " Top slope
				205.7	3.3 L bott channel	
				203.7	7.0 L " "	
				205.6	15.8 L " "	
				208.4	15.8 L brk in side slope	
				212.8	21.5 L Top slope	
				212.9	32.5 L Gnd	
2+17.5				207.11		⊼ Line bott channel
				213.2		11.0 R Top slope
				206.7	1.0 L bott channel	
				205.7	1.5 L " "	
				203.9	8.2 " " "	
				205.6	13.0 " " " &	slope - back
				208.8	13.0 " " " "	" - ahead

Profile No. X-Sec. No. Date Notes Red Date Notes Chkd. Plotted Date Checked Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. Line "C" Survey by Shoemaker Notes Shoemaker Date 11-59

F.B. 2547 Pg. 5 101

76L-298 CE 307 11-58

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F.B. 2547 Pg. 102 | Job No. 6253.20 | Division No. 10 | Notes Red | Plotted | Profile
Survey of Whittwood S.D. Line C | Date | Date | No.
Survey by Shoemaker Notes Shoemaker | Notes Chkd. | Checked | X-Sec.
Indexed E.C. Johnson | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV		
2+17.5				212.8	22.2 L Top Slope	
2+34.5				206.2		℄ Line Back - both chan.
				207.6		" " Ahead " "
				212.5		2° R Brk in side slope
				213.2		11.2 Brk " " "
				214.6		15° Top slope
				215.3		35° Gnd
				205.7	5° L Back - both	channel
				207.2	5° L Ahead - "	"
			Lenker Rd	204.1	8° L "	" & slope
2+50.0				207.9		℄ Line both channel
				208.5		3.6 R " " & slope
				213.7		12.3 R Brk in side "
				214.4		16.2 R Top slope
				215.2		36.2 R Gnd
				207.9	1.7 L Brk in both	channel
				204.5	6.5 L "	" & slope
				208.6	11.0 L Brk Back -	side slope
				206.0	11° L Ahead -	" "
				213.1	16° L Top slope	
				213.3	38° L Gnd	

76L-298 CE 307 11-58

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Profile Notes Red____ Plotted____ Job No. 6253.20 Division No. 10
No.____ Date____ Date____ Survey of Whittwood S.D. Line "C"
X-Sec.____ Notes Chkd.____ Checked____ Survey by Shoemaker Notes Shoemaker Date 11-____-59
No.____ Date____ By____ Mag No.____ Instrument____ Tape____

F.B. 2547 Pg. 103

STATION	B.S.	H.I.	F.S.	ELEV.		
					(change from transite to iron)	
2+53.0				210.0	23.5 L	Top 12" Iron Water pipe line
2+55.6				215.00	24.8 L	" " " " " "
2+70.8				209.4	27.4 L	Top 8" I.P. Water.
2+77.0 OK				209.83	13.8 L	Inv 4" V.C.P. Drain
2+59.5				210.07	8.3 L	Inv 6" I.P Drain
				210.61	8.3 L	Top " " "
2+60.0				210.93	13.9 L	" " " "
3+00			Lenker Road	208.7		℄ Line side slope
				214.2		12' R Brk in slope
				214.8		16.5 R Top slope
				214.8		36.5 R grd
				207.9	4.5 L	both channel & slope
				205.3	7.4 L	" "
				207.9	15.5 L	" " " "
				213.8	16.2 L	Top slope
				213.5	42 L	grd
3+50				208.7		℄ Line both channel
				208.8		1.9 R " chan & slope
				214.2		11'-R Brk in "
				215.1		14'-R Top Slope
				215.9		34'-R Grd

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F.B. 2547 Pg. 104 | Job No. 6253.20 | Division No. 10 | Notes Red | Plotted | Profile
Survey of Whitwood S.D. Line C | Date | Date | No.
Survey by Shoemake, Notes Shacmaker | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson Date | Date | Date | No.

STATION	B. S.	H. I.	F S.	ELEV		
3+50				208.6	1° L	Brk - both channel
				206.5	4° L	" "
				206.4	9° L	" " ℄ slope
				214.1	23° L	Top slope
				214.3	43 L	Gnd
4+00				208.7		℄ Line - side slope
				216.0		13° Top "
				216.2		33° Gnd
			Lenker Rod	206.3	1.3 L	F/L - both channel
				206.8	6.5 L	" " ℄ slope
				209.4	7.3 L	Brk - in side slope
				210.1	12.5 L	Brk " " "
				214.0	20° L	Top slope
				214.3	44° L	Gnd
4+23.5				213.06	17° L	Inv 6" I.P. Drain
4+32.0				209.97	33° L	Top 8" I.P. Water Line
4+32.4				214.76	29° L	Top 6" I.P. Drain
4+44.5				215.07	21° L	Inv 8 I.P. Drain
4+50				209.5		℄ Line - both slope
				217.0		12° R Top "
				217.1		23° R Gnd

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
6+00				215.7	16° L Top slope	
				215.6	32° L Gnd	
6+07.2				213.36		14.8 R Top 6" I.P. Cover
5+91.3 OK				216.02	21.3 L S.M.H. N.E. Rim	
		S.M.H.			Rim − (M + size) = Inv	
				203.29	15" Inlet N.E. 216.02 − (11.48 + 1.25) = 203.29	
				203.15	15" Outlet S.W. 216.00 − (11.60 + 1.25) = 203.15	
6+ 10.6				209.6	⊼ Line - conc. lining	
6+ 10.6			Lemker Rod	212.4		16° R F/L Ditch to E
				217.1		23° R Top brk
				217.3		33° R Gnd
6+18.4				212.5		5° R Top conc Lining
				216.6		11.0 R Top slope ⊼ pt.
				212.5		22° R Bot ditch to E
				209.6	0.2 L Conc Lining - bott slope	
				209.4	5.0 L " " " "	
				212.0	8.1 L Top Conc Lining	
				215.2	12.6 L Top slope	
6+35°				209.7	⊼ Line - bott channel	
				211.6		5° R Brk - bott channel
				217.5		12.3 R Top slope

Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 107

No. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "C"

X-Sec. ____ Notes Chkd ____ Checked ____ Survey by Shoemaker Notes Shoemaker Date 11-59

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

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2547 Pg. 108 | Job No. 625320 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of Whittwood & D. Line "C" | Date | Date | No.
Survey by Shoemaker Notes Shoemaker | Notes Chkd. | Checked
Indexed C. Johnson Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV			
6+35				217.5			38.5 R Brk
				214.0			49° R Bot Brk
				217.7			60° R Top Brk
				217.7			70° R Gnd
6+50				209.8			℄ Line - both channel
				209.9			3° R Bot " ℄ slope
				217.0			13° R Brk in "
				218.1			25° R Top slope
				217.2			33° R Brk
				217.2			40° R Gnd
			Center Rod	209.8	3.4 L	Bot channel ℄ slope	
				215.2	10.3 L	Top slope	
				215.7	20° L	Gnd	
				216.0	40° L	"	
7+00				210.2			℄ Line - both channel
				211.3			7° R " " ℄ slope
				217.2			14° R Top slope
				217.6			35° R Gnd
				210.7	7° L	Bot channel ℄ slope	
				216.2	16.2 L	Top slope	
				216.2	40° L	Gnd	

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
7+50.0				211.1		π Line - bott channel
				211.7		6.2 R " " & slope
				213.6		10.3 R Brk in slope
				217.9		16.5 R Top slope
				218.0		35.0 R Gnd
				211.3	3.0 L bott channel & slope	
				217.1	14.3 L Top slope	
			Lenker Rod	216.5	35.0 L Gnd	
7+55.5				211.1		π Line - bott channel
				211.2	3.2 L bott channel & slope	
				217.3	14.3 L Top slope of channel & Toe slope to N.	
				216.7	35.0 L Gnd	
7+62.0				210.9		π Line - bott channel
				210.9		4.5 R " " & slope
				212.3		8.0 R [illegible] in slope
				218.5		16.0 R Top slope
				218.3		35.0 R gnd
7+64.7		S.M.H.		222.29		S.W. Rim 205.0 R S.M.H
						Rim El. - (M.H. + S.D.) = Inv.
				206.14	12" Inlet N.E. 222.30	- (15.16 + 1.00) = 206.14
				205.72	15" outlet S.W. 222.29	- (15.32 + 1.25) = 205.72

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. Line "C" Survey by Shoemaker Notes Shoemaker Date 11-59 Map No. Index [illegible]

F.B. 2547 Pg. 109

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

F.B. 2547 Pg. 110 Job No. 6253.20 Division No. 10 Notes Red Date Plotted Date No. Profile X-Sec.
Survey of Whittwood S.D. Line "C"
Survey by Schmaltzer Notes Schmaltzer Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV		
7+69.0				211.4		T Line - both channel
				211.4	2.5 L	both channel & slope
				220.3	18.1 L	gnd at end Ret. wall
				222.70	18.1 L	Top End Ret. Wall
				222.3	26.5 L	Top Brk 4 pt
				222.3	35.0 L	Top Brk ahead
7+74.4				211.3	3.4 L	Bot of conc retainer & channel
				213.56	3.9 L	Step in conc "
				214.96	4.6 L	Top of " "
				214.96	6.6 L	Top " " "
			Lenker Rd	220.77	8.0 L	Top Bridge Support & Underside Bridge
7+74.5				222.84	18.2 L	Top Cor. R.R. Bridge
7+75.8				220.4		21.0 R Gnd end of Ret. wall
				223.22		21.0 R Top " " "
				223.1		26.0 R Top Balast
				223.1		35.0 R Top Balast
7+76.1				212.6		7.5 R Bot Conc Retainer
				215.20		7.5 R Top " "
				215.20		9.5 R " " "
7+76.6				220.90		11.0 R Top Bridge Support
						& Under side of Bridge
7+79.7				223.[illegible]		21.0 R Top Cor. R.R. Bridge
7+83.5 +0.2				222.88	21.0 L	Top Cor. RR Bridge

• 76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
7+79.2				223.46		⊼ Line Top rail
7+82.44				223.05	PG 78 & 94 int ⊼ Lines	
" "	= 0+00 going			E'ly & W'ly along ⊼ Line		
0+50 E.				223.36		⊼ Line Track
				223.77		3.2 R Top Track
				223.2		4.9 R Top Ballast & Slope
			Lenker Rod	218.9		16.5 R Bot. Slope
				218.5		25.0 R Gnd
				223.80	1.5 L Top Track	
				223.3	3.2 L Top Ballast & Slope	
				222.7	6.5 L Bot Ballast	
				221.2	25.0 L Gnd	
0+50 W				222.41		⊼ Line Track
				222.91		1.5 R Top Track
				222.3		3.2 R " Ballast
				221.4		6.4 R Bot. Ballast
				220.1		25.0 R Gnd
				222.90	3.2 L Top Track	
				222.3	4.9 L " Ballast & slope	
				217.6	19.0 L Bot Slope	
				216[illegible]	25.0 L Gnd	

Profile Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 111
No. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Shoemaker Notes Shoemaker Date 11-[illegible]-57
No. ____ Date ____ Date ____ Map No. ____ Index [illegible]

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

F.B. 2847 Pg. 112

Job No. Division No. Notes Red Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes Notes Chkd. Checked
Indexed L. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F S.	ELEV		
7+83.2				223.46		℄ Line & Top Track
				223.05		℄ Line Top edge Bridge

76L-298 CE 307 11-58

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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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
7+87.7				220.75	10.5 L	Top Bridge support Under Side of Bridge
7+88.2				211.4	5.7 L	Bot Conc Retainer
				213.51	6.7 L	Step in " "
				215.16	6.7 L	Top " " "
				215.17	8.7 L	" " " "
7+88.0 OK				219.8	21.5 L	Brk gnd at end Ret. wall
				222.96	21.5 L	Top Ret. wall
			Lenker Rod	223.0	24.5 L	Top Balast
				222.9	35° L	" "
7+88.7				223.21		19.4 R Top Cor Bridge
7+89.9				211.4		4.0 R Brk Gnd
				213.1		6.0 R Bot of Conc Retainer
				215.12		6.0 R Top " " "
				215.12		8° R " " " "
				220.95		9.5 R Top Bridge Support & underside of Bridge
7+94.0				221.0		19.0 R Gnd end Ret. wall
				223.22		19.0 R Top " "
				222.5		21.0 R Top Brk & Balast
				223.3		35° R " Balast

Profile Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 15
No. ____ Date ____ Date ____ Survey of Whittwood SD. Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Shoemaker Notes Shoemaker Date 11-
No. ____ Date ____ Date ____ Map No. ____ Indexed ____

76L-298 CE 307 11-58

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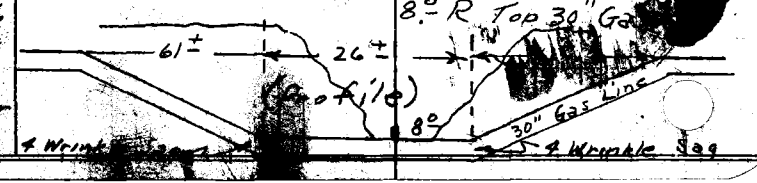
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
8+00				211.8		⊼ Line bott channel & slope
				222.3		22.5 R Top slope
				222.5		35.0 R Gnd
				211.6	6.5 L	bott channel & slope
				212.9	8.5 L	Brk in slope
			Lenker Rod	220.8	17.5 L	Top slope
				220.4	35.0 L	Gnd
8+23.7				211.9		⊼ Line ∠ pt. bott channel
Note: ⊼ Line Ahead Not				212.0	(90° to line ahead)	3.0 R bott channel & slope
℄ of Drain				221.1		28.0 R Top slope
				221.4		35.0 R Gnd
				212.2	4.0 L	bott channel & slope
				219.7	16.4 L	Top slope
				220.2	35.0 L	Gnd
8+24.2				211.84	5.0 L	Top 30" Gas Line
8+25.5				211.85		⊼ Line & Top 30" Gas Line
				212.20		⊼ Line & Top 2" abandoning nipple
8+27.0				211.86		8.0 R Top 30" Ga[illegible]

Note: ± Dist. Taken from "Southern Co. Gas Co." Profile Map. See Robert V. Piper Transmission Dist Forman Texas Pipeline Div.



Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whittwood S.D. Line "C" Date Date No.
Survey by Shoemaker Notes Shoemaker Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

F.S. 2547 Pg. 114

76L-298 CE 307 11-58

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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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
8+26 ± OK				218.07	13.4 ± L Top	4" I.P. Std. Oil Co.
				219.8	16 ± L Top	Brk
8+27.2				218.00	14.2 ± L Top	4" I.P. Std. Oil Co.
				219.8	16.5 ± L Top	Brk
8+33.3				218.15		℄ Line & Top 4" I.P. Std. Oil Co.
				212.1		" " " F/L Ditch
8+41.3 ± OK			Lenker Rod	218.85		14.° R Top 4" I.P. Std. Oil Co.
				220.6		16° R Top Brk
8+35.3 ±				217.91		℄ Line & Top 4" I.P. Std. Oil Co.
				212.2		" " " 60th channel
8+40.7				218.18		10.° R Top 4"
				220.6		16° R Top Brk
8+47.3 ±				213.32	13.2 ± L	Conc. Drain & end
				215.23	13.2 ± L	Top conc Wing wall - End
				218.6	13.2 ± L	Top Brk
8+40.2 ± OK				219.6	35° L	Bot Brk to N
T.P.				22018	T.P.	
8+54.7 ±				212.4		℄ Line & 60th channel end
				213.22		℄ " & Edge Conc. Apron & Bot Brk to E

Profile Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 115
No. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kasenske Notes Kasenske Date 11-52
No. ____ Date ____ Date ____ Map No. ____ Inked ____ Date ____

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
8+59.7				213.36		9.4 R Conc. Drain - bott.
				214.56		9.4 R Top End Conc Wing Wall
				217.2		9.4 R Dirt over " " "
				221.3		15° R Top Brk
				221.5		35° R Gnd
8+60.0				222.7	35° L Top ballast	
8+61.4			Lenker Rod	213.38	4.6 L Conc Drain - bott.	
				220.11	4.6 L Top Conc. Wing Wall	
				220.82	4.6 L Top Conc R.R. Bridge & Gnd To N.	
8+61.5				223.22	35° L Top R.R. Track	
8+63.9				213.38	π Line & Conc Drain - bott.	
				218.40	" " " Underside Conc. Bridge	
				220.81	" " " Top Conc Bridge	
8+67.0				213.38		5.6 R Conc. Drain & end Dirt
				220.20		5.6 R Top Conc. Wing Wall
				220.86		5.6 R " " RR. Bridge
				221.5		5.6 R Top Brk to E
8+67.5				223.33	35° L Top R.R. Track	
8+69.0				222.7	35° L Top Ballast	
8+72.7				222.6	π Line Top Ballast	
8+74.2				223.58	π Line - Track Top.	

F.B. 2547 Pg. 116 Job No. 6263.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No. X-Sec.
Survey by Shoemaker Notes Shoemaker Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L-298 CE 307 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red____ Plotted____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 117
No.____ Date____ Date____ Survey of Whittwood Ind. Line "C"
X-Sec. Notes Chkd.____ Checked____ Survey by Hagenbeck Notes Yaeger Date 11-____-59
No.____ Date____ Date____ Map No.____ Traverse____ Notes____ Date____

STATION	B.S.	H.I.	F.S.	ELEV.		
8+75.0				221.1	35° L Bot Brk Ahead	Top
8+80.2				223.61		℄ Line & R.R Track
8+81.7				223.0		℄ Line & Top Ballast
8+85.4				223.5		35.0 R Top RR Ballast
8+86.3				213.71	3.9 L Conc Drain - Bott	
				219.73	3.9 L Top Conc. Lining	
				221.11	3.9 L " " RR Bridge	
8+86.9			Lenker Road	223.88		35° R Top RR Track
8+88.4				223.24		35° R R.R Ballast
8+88.7				213.66		℄ Line Conc. Drain
				218.67		℄ Line Underside Conc Bridge
				221.08		℄ Line Top Conc. R.R. Bridge
8+91.8				213.71		6.3 R Con. Drain
				219.84		6.3 R Top conc Lining
				221.15		6.3 R " " R.R. Bridge
8+93.8				219.9		8.5 R Bot Brk to N
8+94.5				221.9		35.0 R Bot Brk Ahead
9+00				213.73		℄ Line Conc Drain
				213.84		6.0 R " " Bot. Wall
				219.89		7° R Top Conc Lining
				213.84	4.0 L Conc Drain Bot Wall	
				219.91	5.1 L Top Conc. Lining	

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
9+40°				214.61	π Line	
				214.68		3° R Conc Drain Bot Wall
			Lenker Rod	220.86		11.8 R Top Conc Lining
				221.6		27° R Gnd
				214.64	3° L Conc Drain Bot. Wall	
				220.90	12.3 L Top conc Lining	
				222.4	15.5 L Brk Gnd	
T.P.				276.86	T.P	
T.P.				214.46	T.P.	
B.M. S.D. 1720				212.54	B.M. S.D. 1720 El. 212.559 F.B. 2518-24. J.N. 6253.20 Santa Fe Ave & Scott Ave. S.W. Cor. Bt. Spk. in cb; at S.W. Cor. of Bridge over channel about 12 feet N. of S. end C.R.	

F.B. 2547 Pg. 118 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. Line "C" Date Date No.
Survey by Shoemaker Notes Shoemaker Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	Tape
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed K. C. Johnson 1-2-60

F.B. 2547 Pg. 119

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ Nº 532

CENTER LINE SURVEY

OF

LINE "C"

FROM

CONC. CULVERT BETWEEN LA FORGE ST. & STARBUCK ST. ON SANTA GERTRUDES AVE. - N.'ELY ALONG DIRT CHANNEL TO WHITTIER BLVD.

See Index PG 120

party: Sappell
Shoemaker
Lieber
Caro
Clifford

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

RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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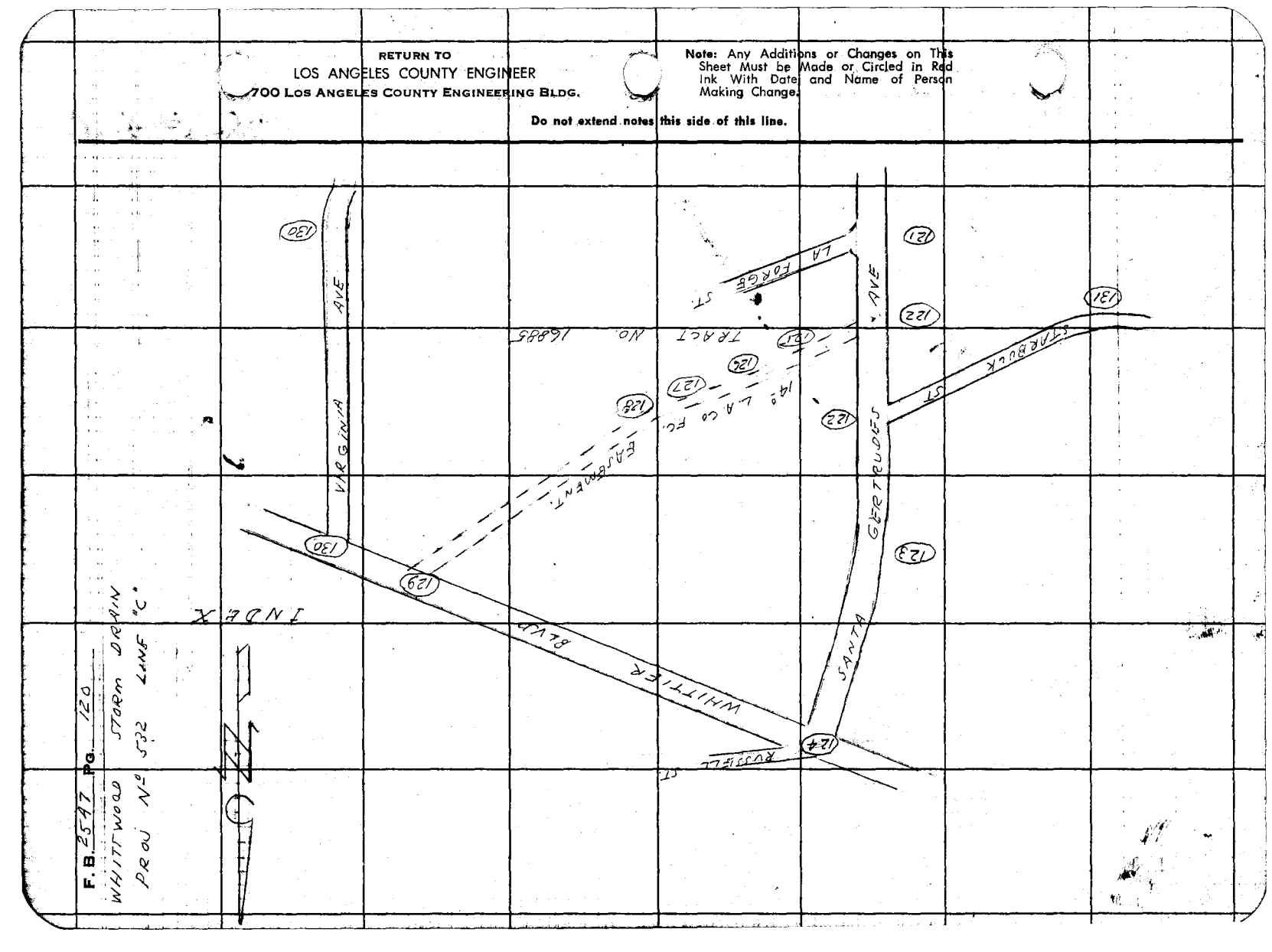
763098 CE #247—7-53

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

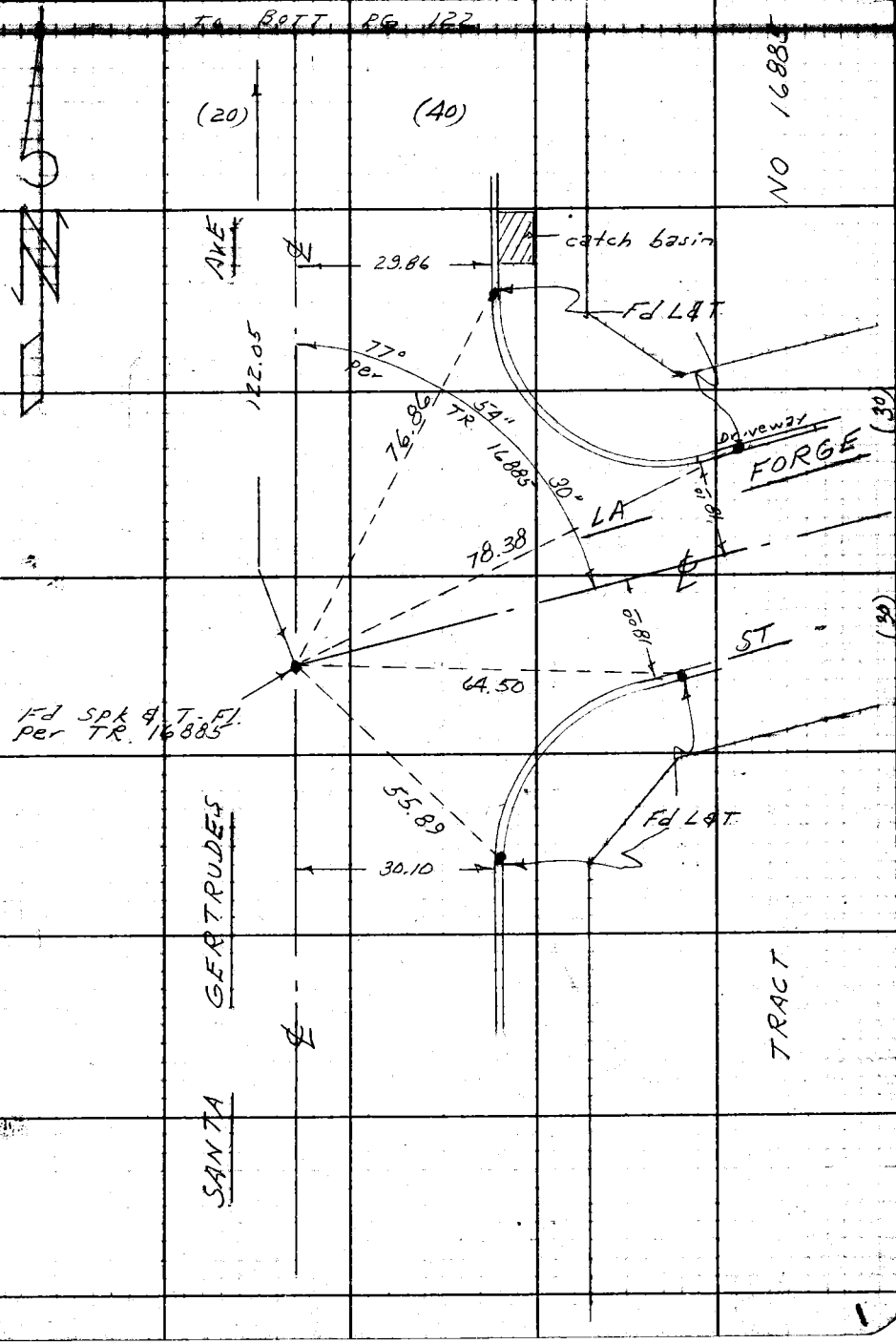


F.B. 2547 Pg. 120
WHITTWOOD STORM DRAIN
PROJ No 532 LANE "C"

W.S. 34 D-2

Notes Ck'd by H. E. AUSTIN	Survey of Whittwood SD Line "C"
Map No.	JNC 25 Tape 0130 Sid 64
Office Work	Surveyed by D. Sappell
Checked	Notes J.S. Date 11-59
Date	Indexed C. Johnson

F. B. 2547 Pg. 121

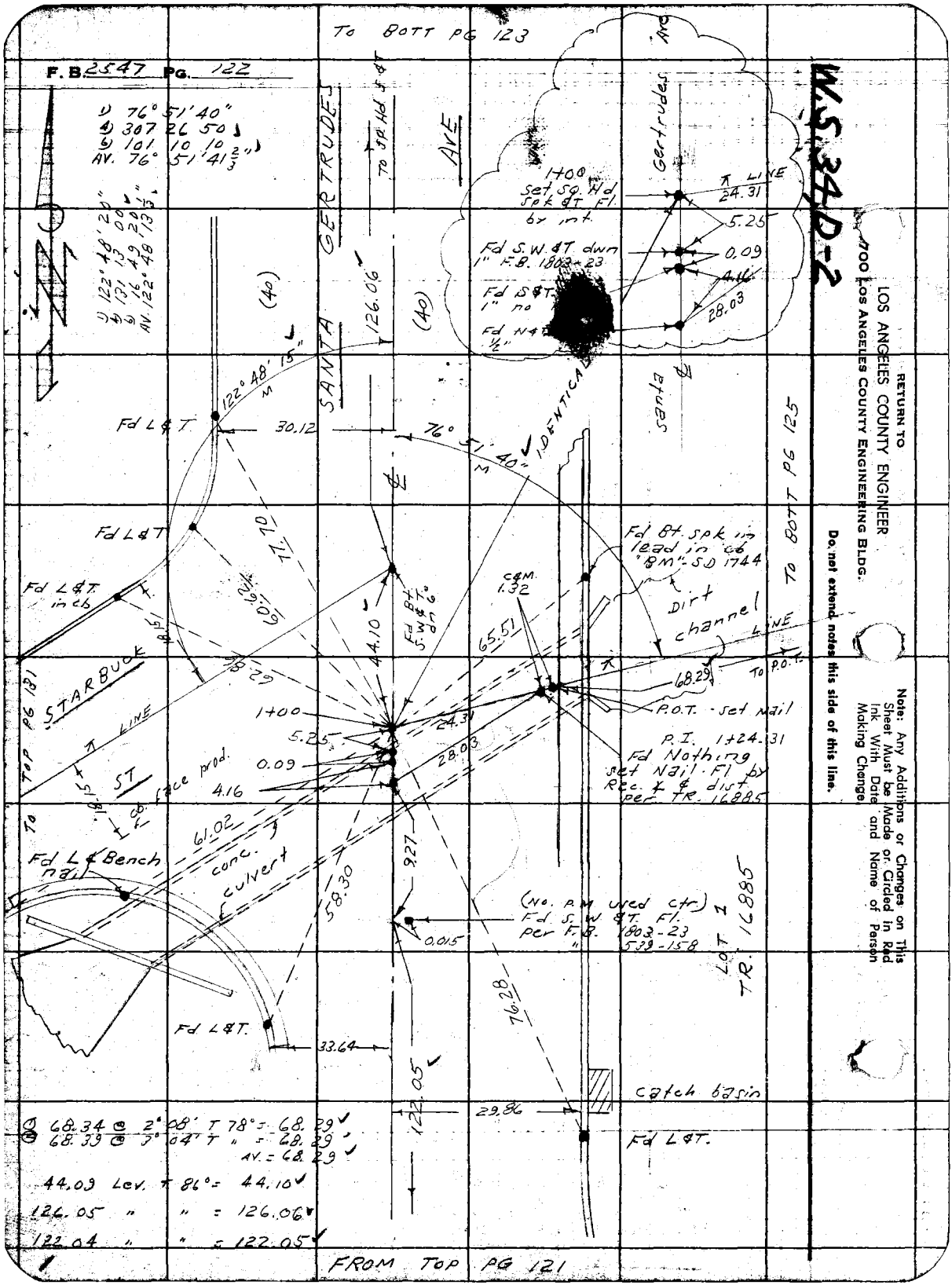


Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-59



W.S. 34 D-2

RETURN TO
LOS ANGELES COUNTY ENGINEER
1700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

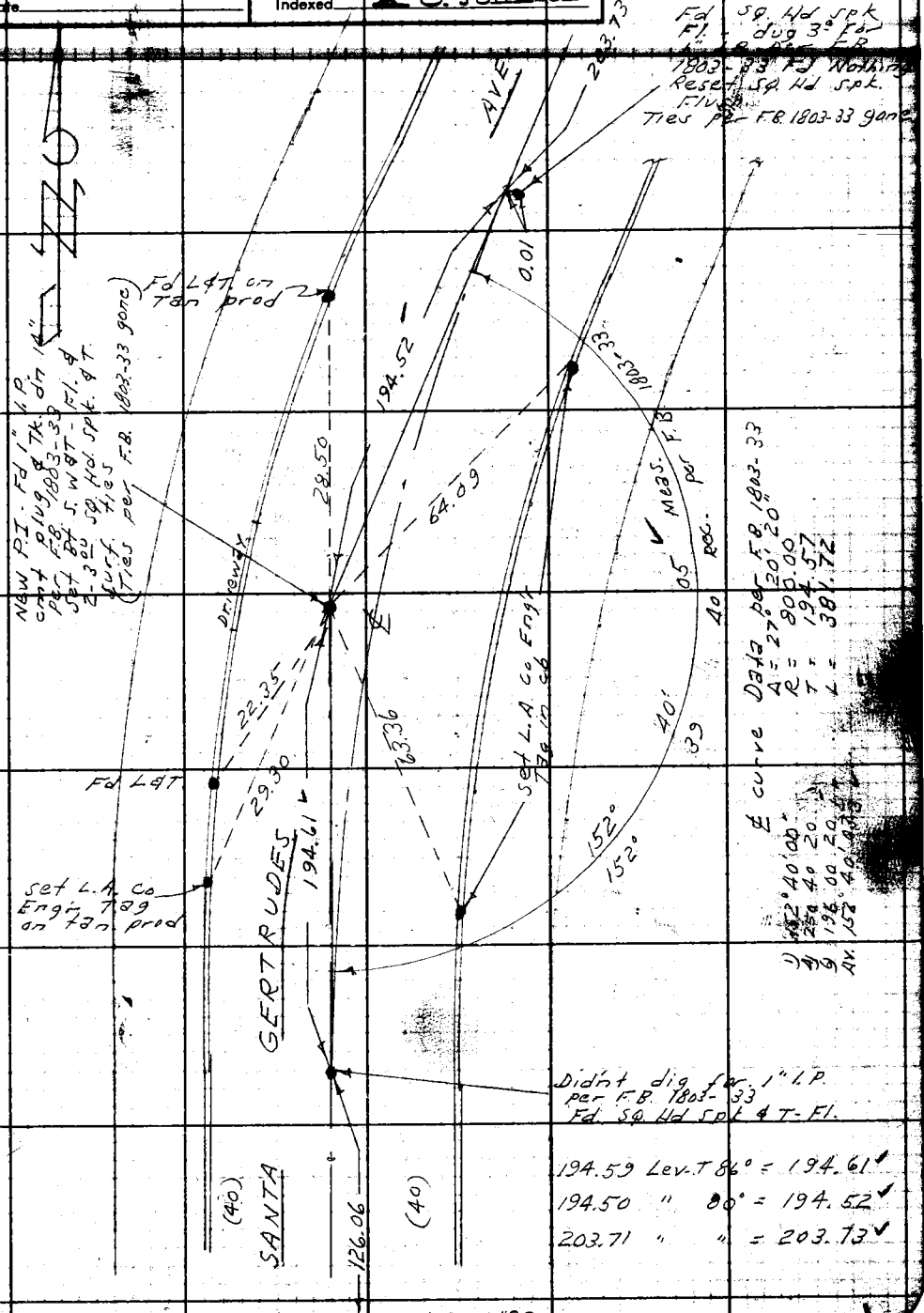
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

W.S. 34 D-2

Notes Ck'd by	Survey of Whittwood S.D. - Line "C"
Map No.	JN 6253-20 Tape 0.38 Std. 68
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed A. C. Johnson

F.B. 2547 Pg. 123

To RT PG 124



℄ curve Data per F.B. 1803-33
Δ = 27° 20' 20"
R = 800.00
T = 194.57
L = 381.72

1) 152° 40' 00"
2) 250 40 20
3) 196 00 20
Av. 152° 40' 03"

194.59 Lev. T 86° = 194.61
194.50 " 80° = 194.52
203.71 " " = 203.73

FROM TOP PG 122

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

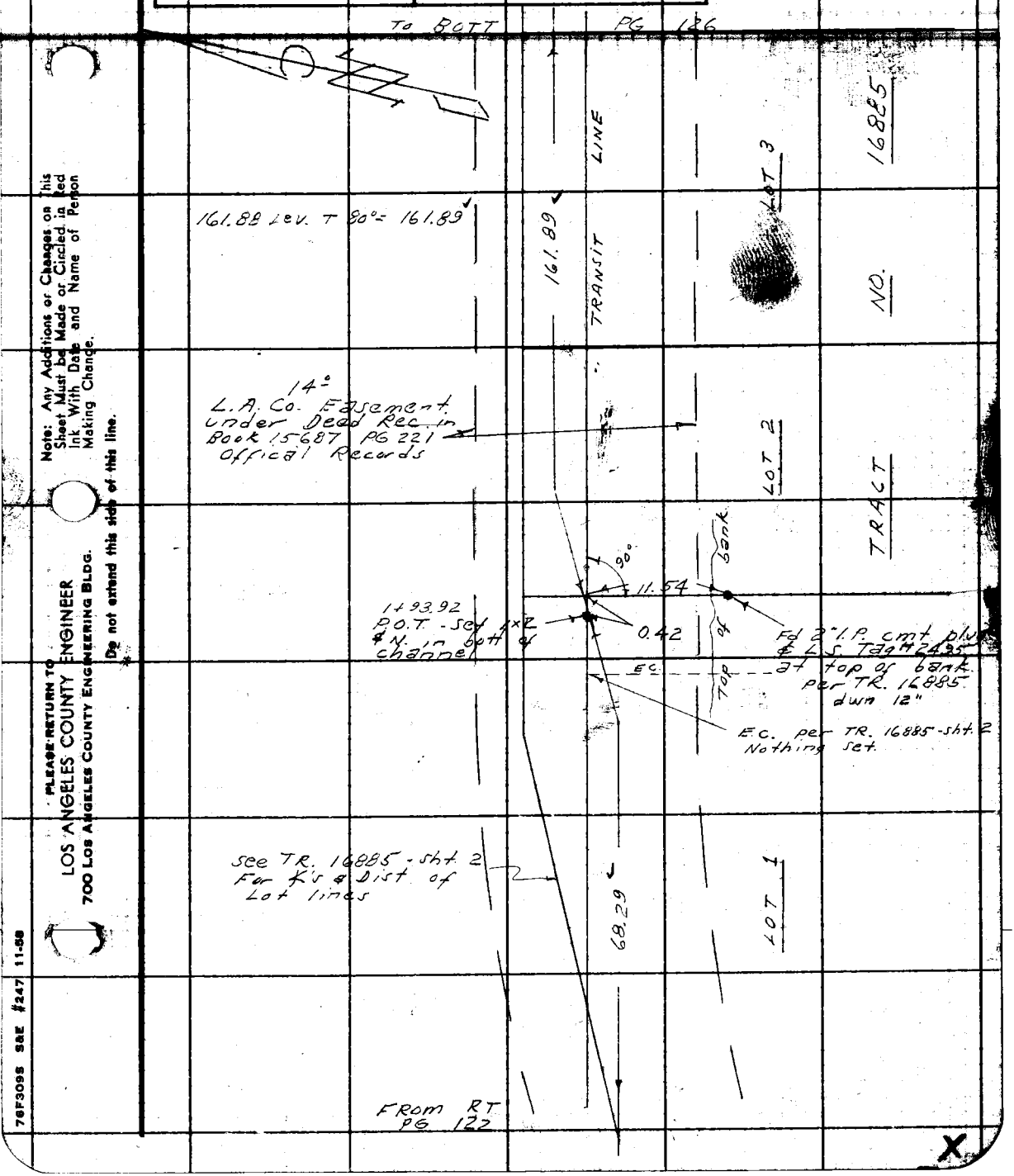
Do not extend notes this side of this line.

W.S. 34 D-2

F. B. 2547 Pg. 124

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	[illegible]
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed [illegible] C. Johnson

F. B. 2547 PG. 125

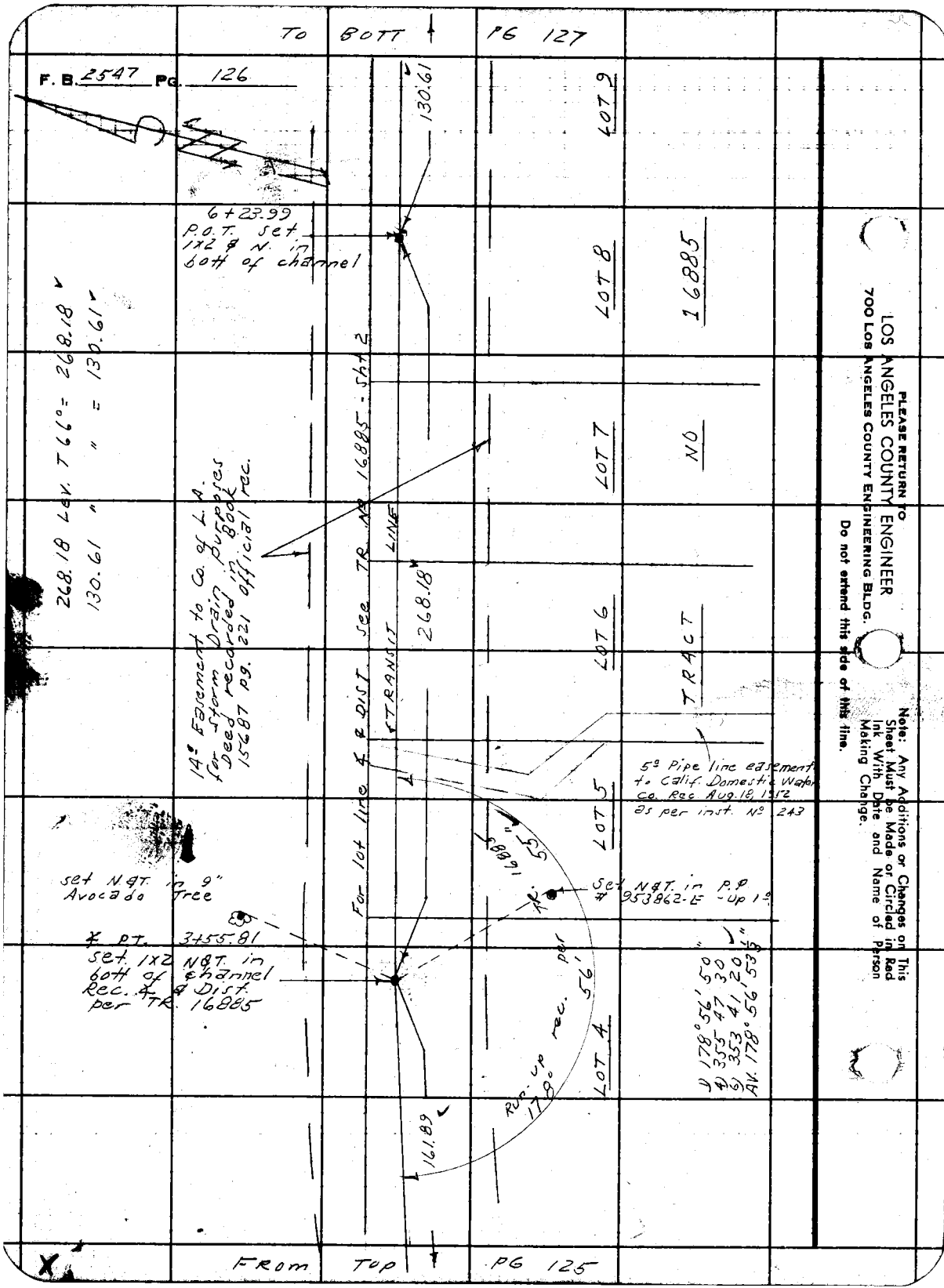


Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76F309S S&E #247 11-58



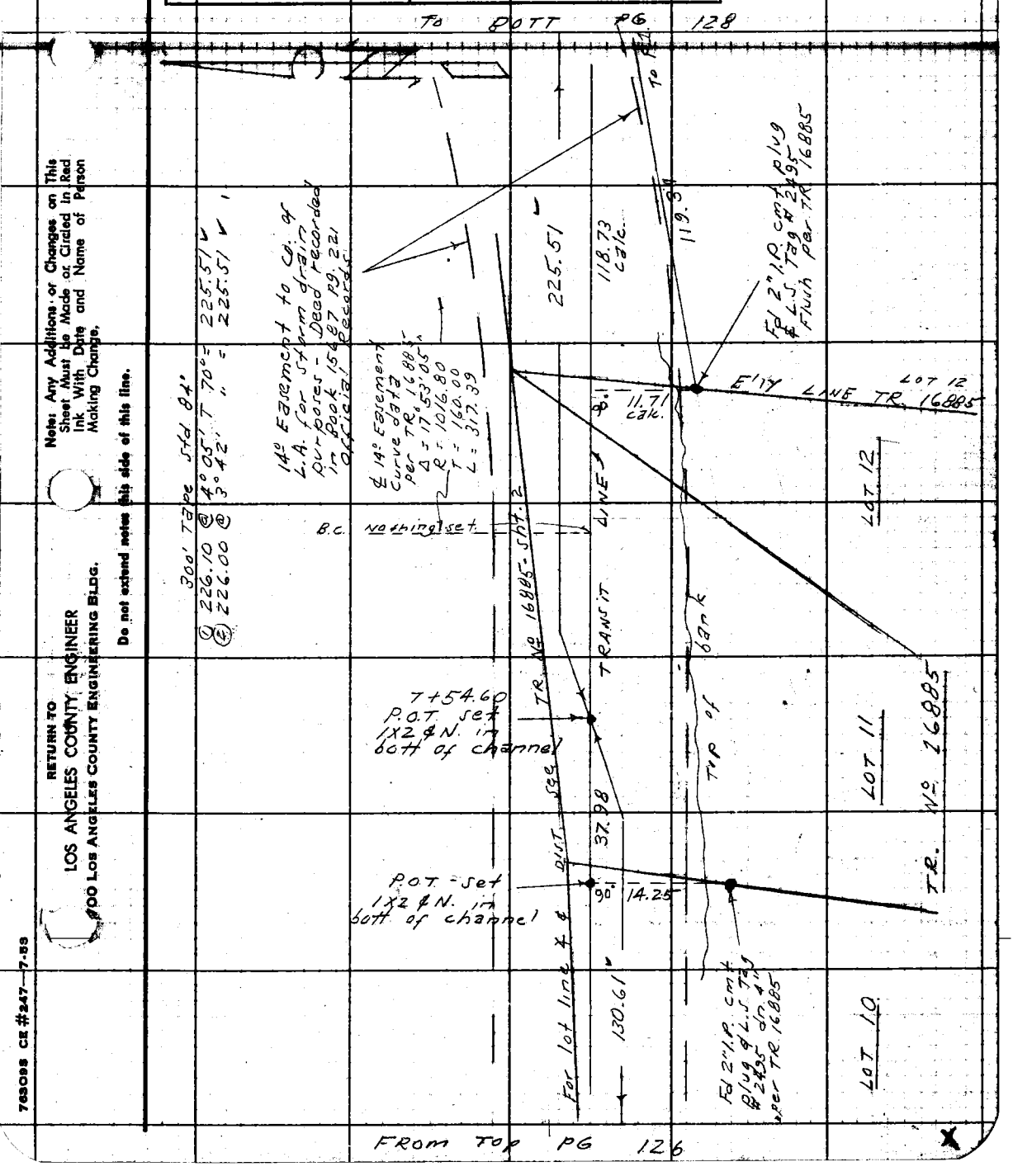
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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 H. E. [illegible]	Survey of Whittwood S.D. - Line "C"
Map No.	IN 6253.20 Tape 0133 Std. 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11- -59
Date	Indexed C. Johnson

F. B. 2547 PG. 127



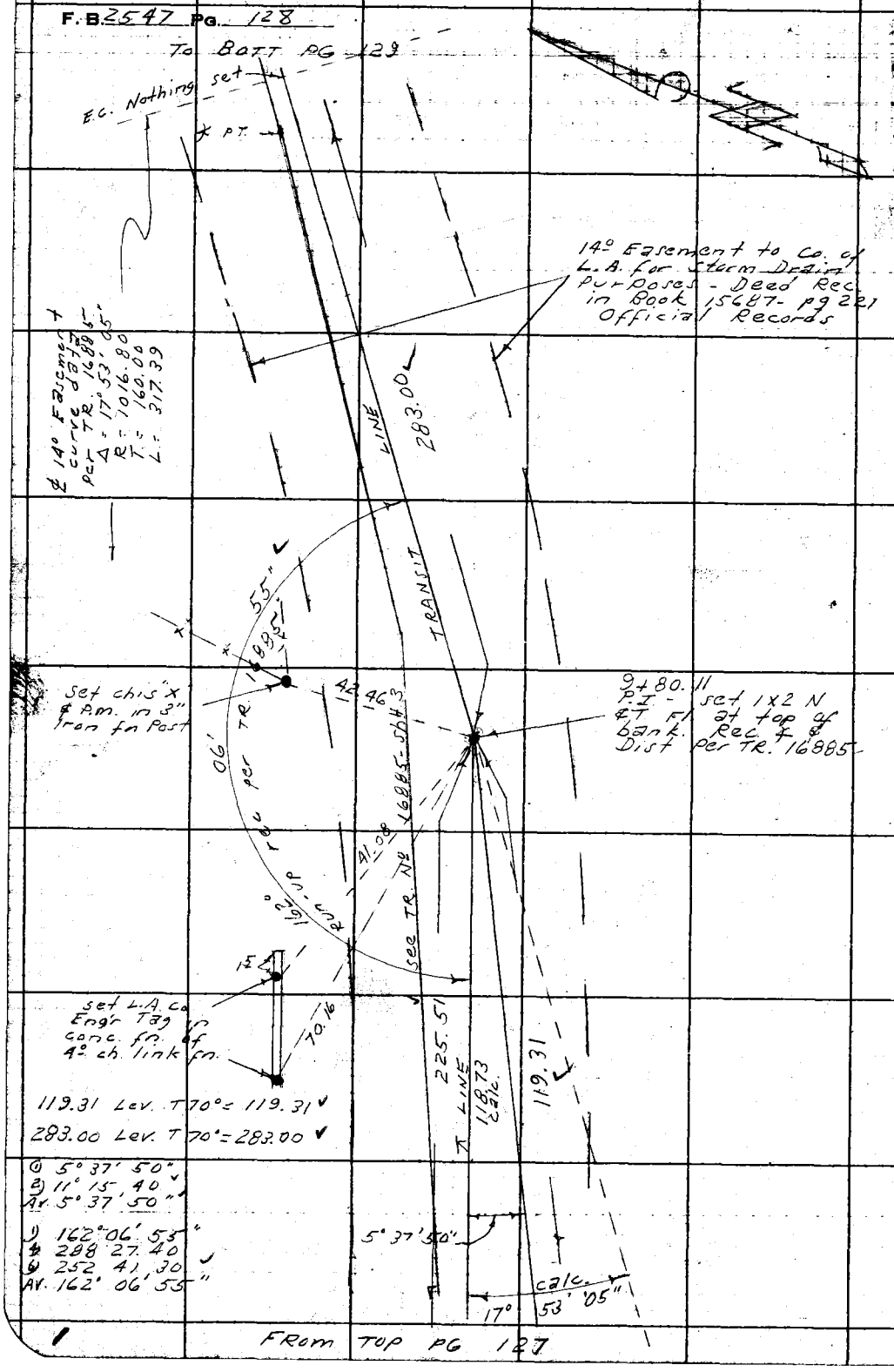
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F.B. 2547 PG. 128



W.S. 34, D-2

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

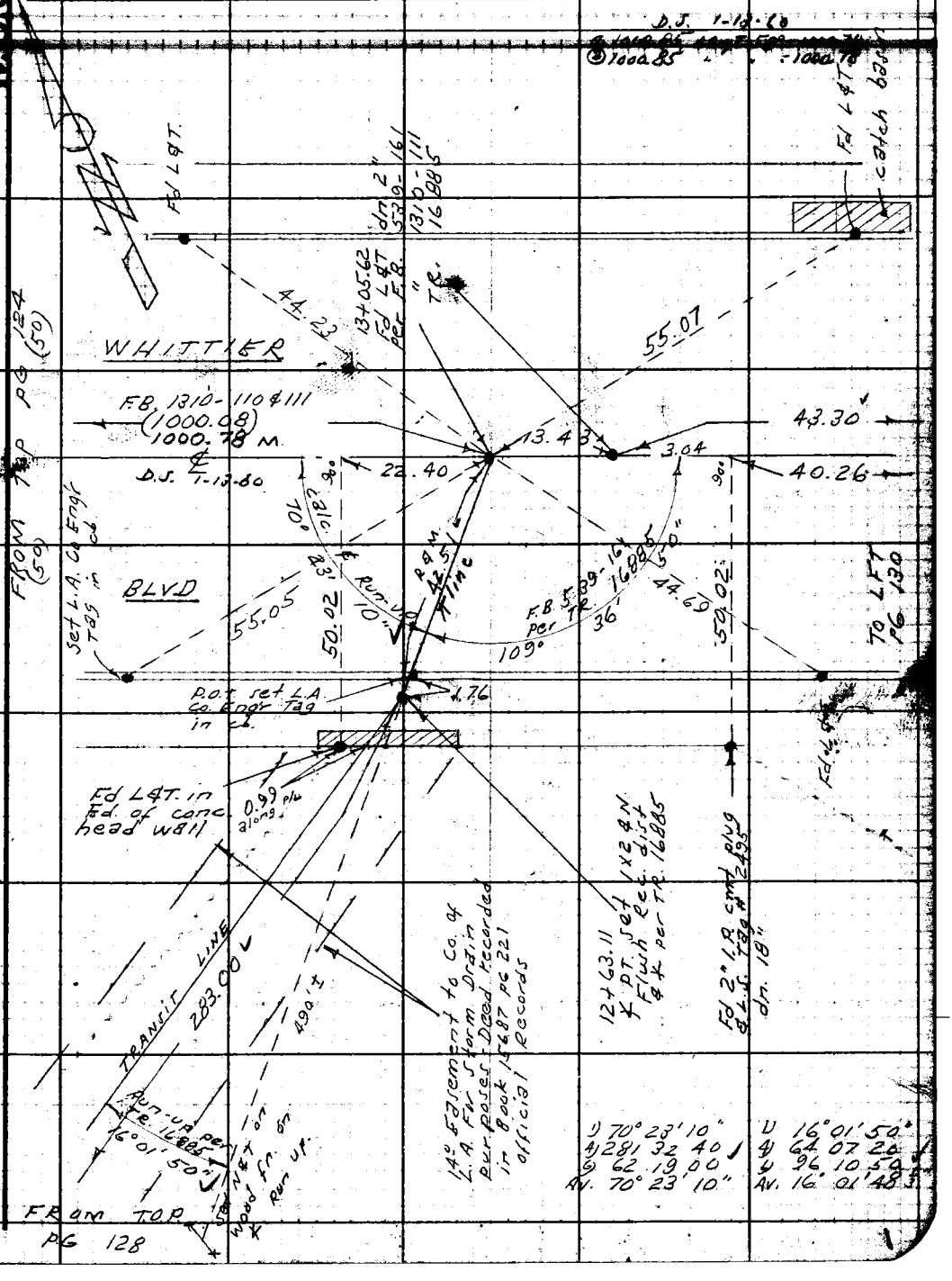
Do not extend notes this side of this line.

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 Whittwood S.D. - Line "C"
Map No.	IN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11- -59
Date	Indexed C. Johnson

F. B. 2547 PG. 129

42.51 Lev-T 70° = 42.51
43.30 " " = 43.30
D.S. 1-13-60
1000.85 " " = 1000.78



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F.B. 2547 Pg. 130

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

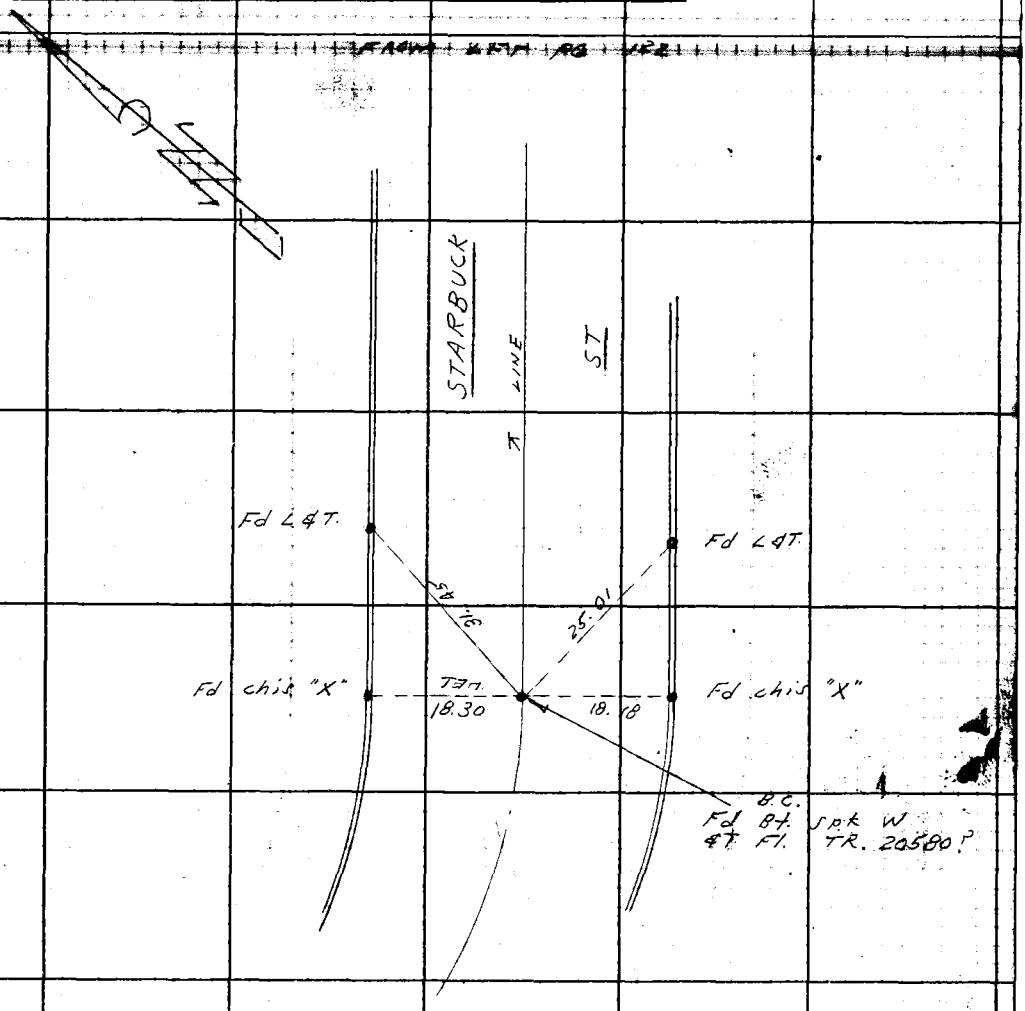
Do not extend notes this side of this line.

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

W.S. 34, C-2

Notes Ck'd by	Survey of Whitwood S.D. LINE "C"
Map No.	IN 6253.20 Tape 0138 Std. 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 131



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763093 CE #247—7-53

Notes Ck'd by	Survey of Whittwood S.D. Line
Map No.	IN 6253.20 Tape Std. °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-59
Date	Indexed C. Johnson 1-7-60

F. B. 2547 PG. 141

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ Nº 532

LOC. OF IMP.

OF

LINE "C"

FROM

SANTA GERTRUDES AVE & CHANNEL N-E'LY ALONG CHANNEL TO WHITTIER BLVD

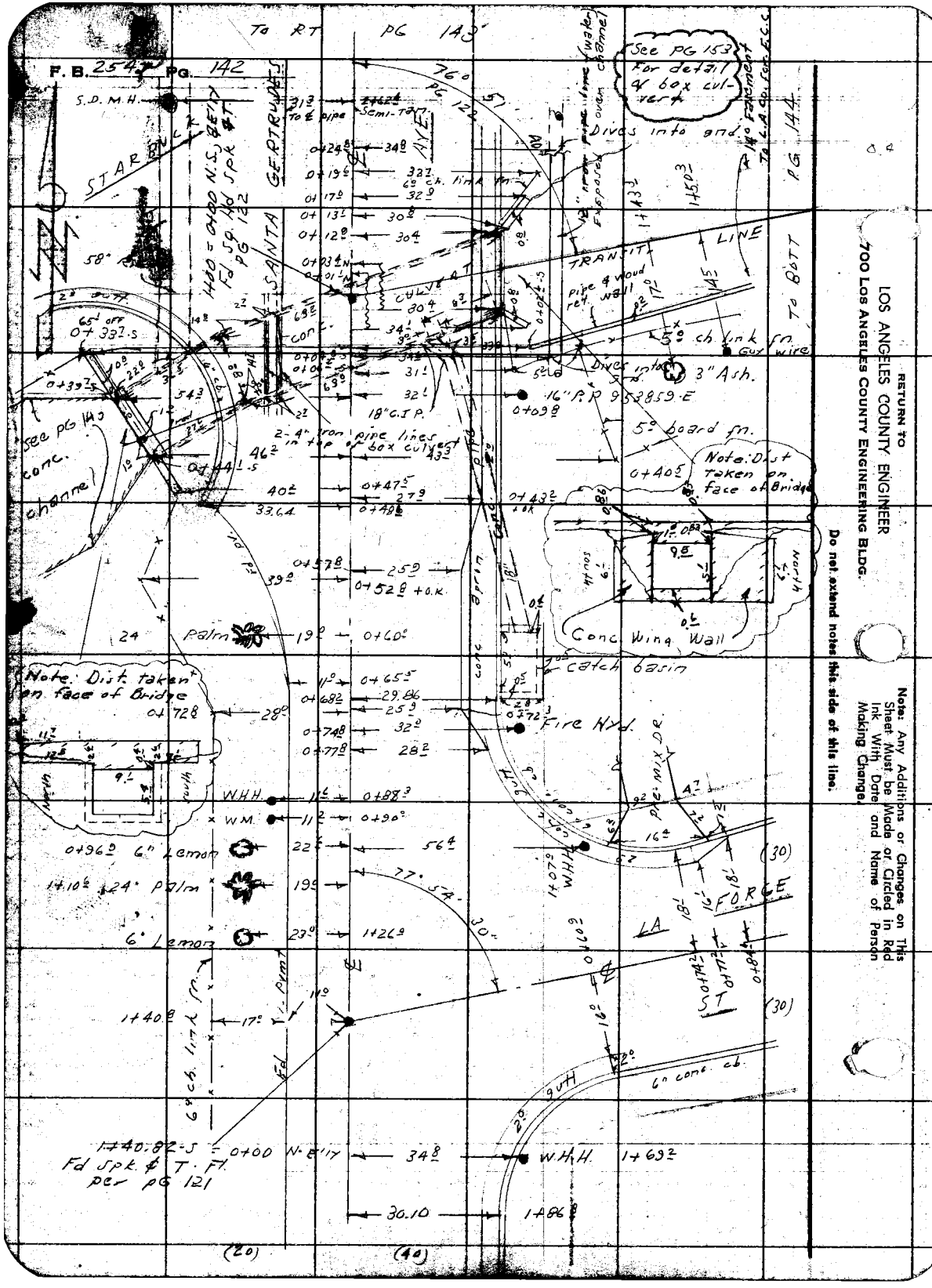
party: Sappell
Shoemaker
Lieber
Caro
Clifford

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 Los Angeles County Engineering Bldg.

7850SS CE #247—7-55

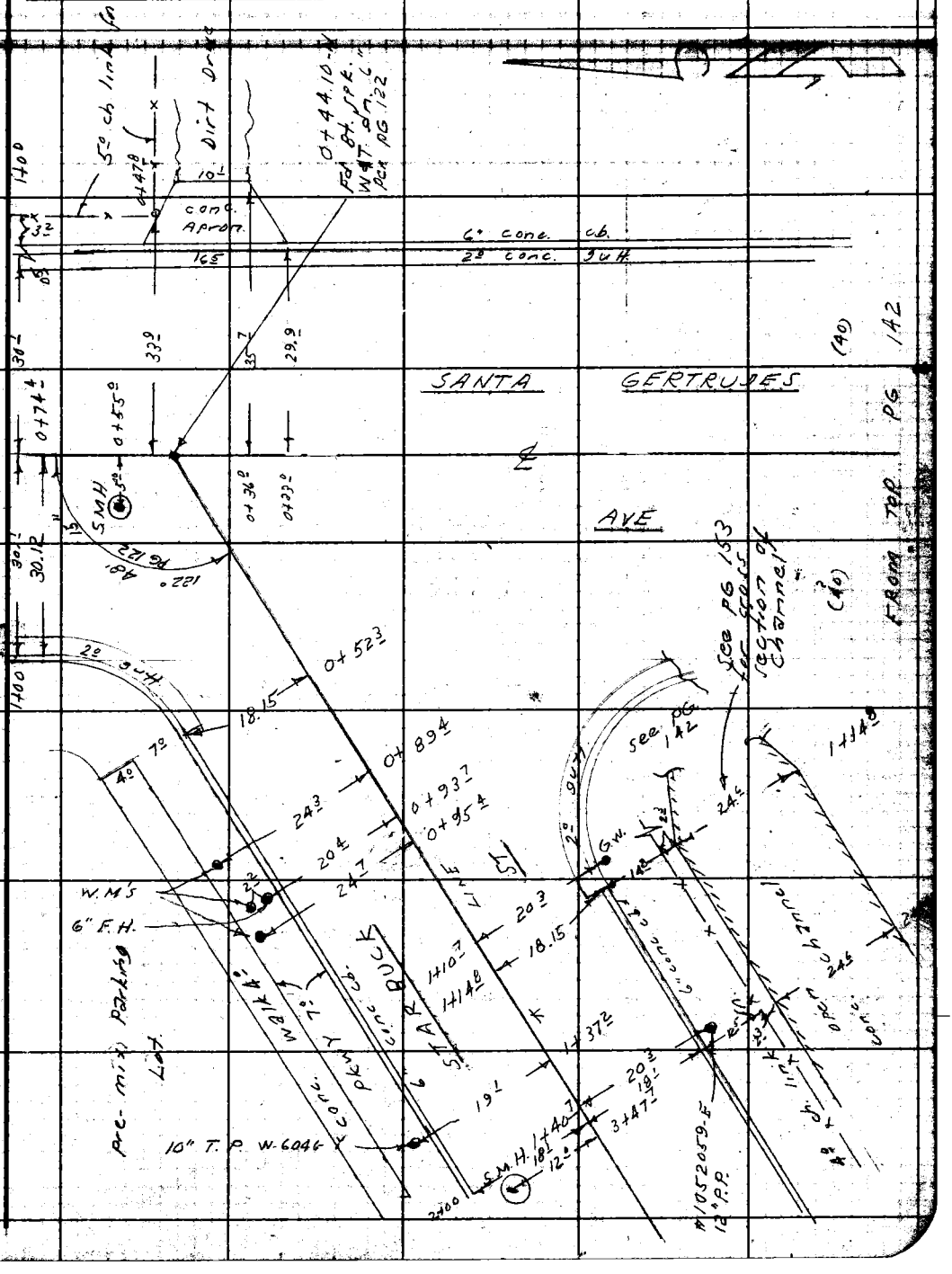


RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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 Whitwood S.D-Line "C"	F. B. 2547 PG. 143
Map No.	IN 6253.20 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.J. Date 11-59	
Date	Indexed [illegible]	

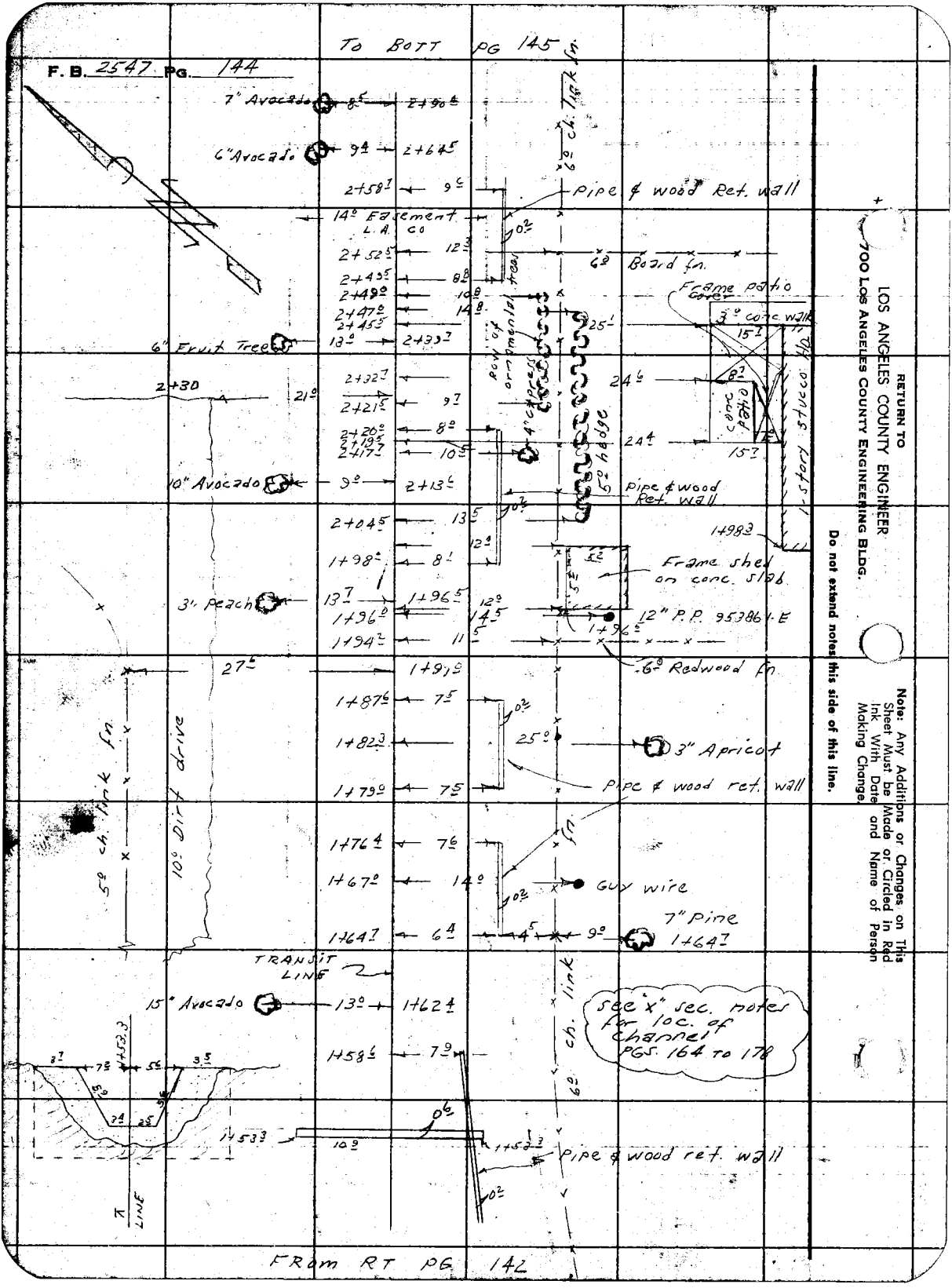


Note: Any Additions or Changes on This Sheet Must be Made or Circled In Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58



RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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 Whittwood S.D. Line "C"	F. B. 2547	Pg. 145
Map No.	JN 6253.50 Tape Std °F		
Office Work	Surveyed by Harper M		
Checked	Notes D.S. Date 12-59		
Date	Indexed A. C. Johnson		

To Batt Pg 146

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

PLEASE RETURN TO LOS ANGELES COUNTY ENGINEER 700 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

76F3098 SSE #247 11-58

TRANSIT LINE

Pipe & wood ret. wall

5° ch. link fn.

8" Elm

14° Easement L.A. Co.

6" conc. block cb.

5° board fn.

Rubble & conc. around riser

See T.R. Map 16805 for 5° pipe line easement to Calif. Domestic Water Co.

10" capped pipe

2" I.P. Riser 4+16.5

2" I.P. Riser

10" Avocado

6° precasting hedge

See "X"-sec. notes for loc. of channel Pgs 164 to 178

12" P.P.

5" Avocado

6° Board fn.

Pipe & wood ret. wall

Pt. 3+58.81 Fd 1x2 N&T in both channel per Pg 124

6° high shrub

2" peach 3+45.9

6-1" Fork - Avocado

10" Avocado

Willow

3-3" Fork - Tree 3+26.6

6" Elm

TRANSIT LINE

6° board fn.

5° ch. link fn.

3-4" prong peach

From Top Pg 144

To Bott PG 147

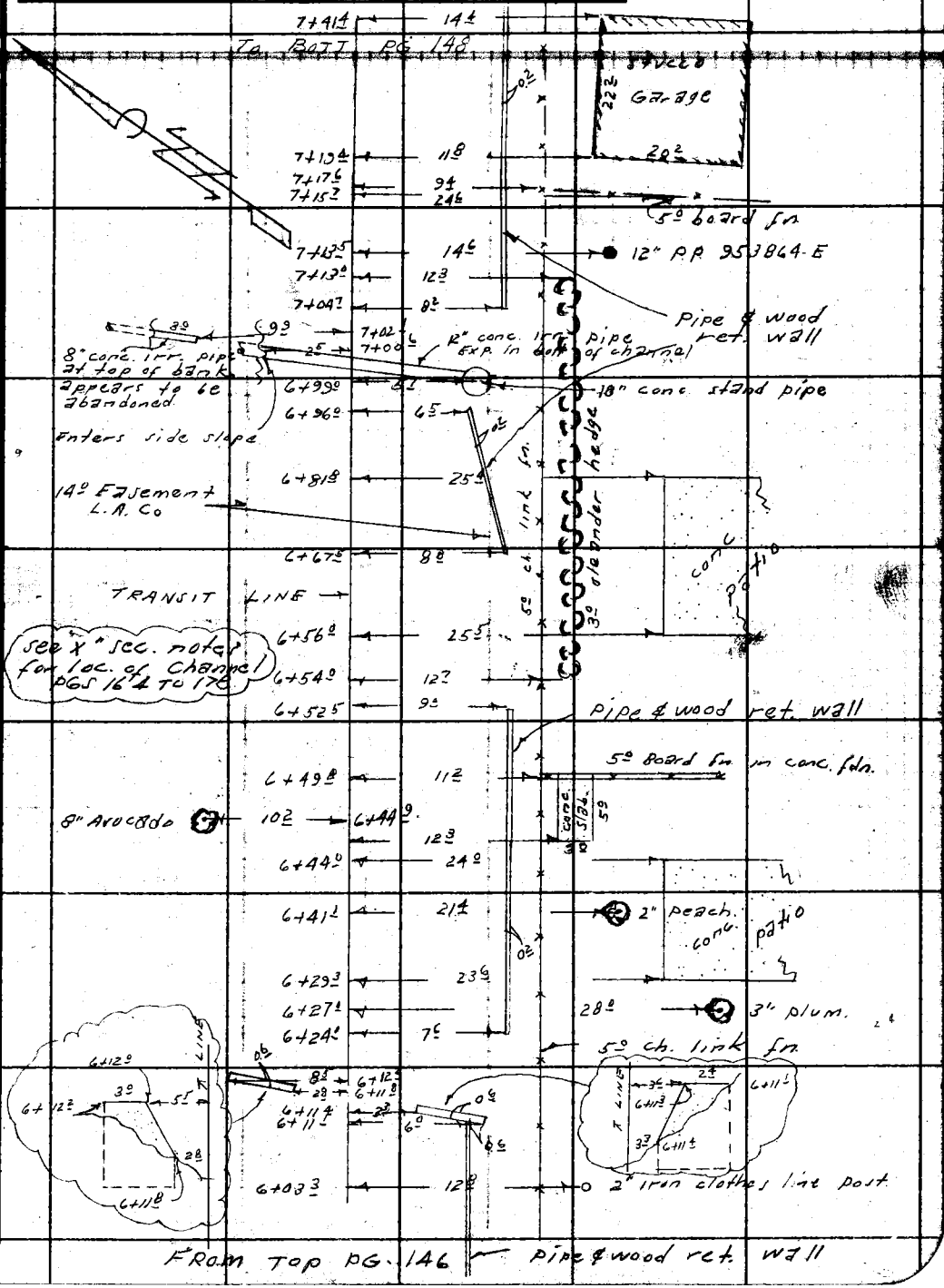
F. B. 2547 PG. 146

FROM TOP PG 145

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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 Whittwood S.D. - Line "C"	F. B. 2547 PG. 147
Map No.	JN 6253.20 Tape Std °F	
Office Work	Surveyed by J. Sorrell	
Checked	Notes D.S. Date 12-59	
Date	Indexed A. C. Johnson	



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

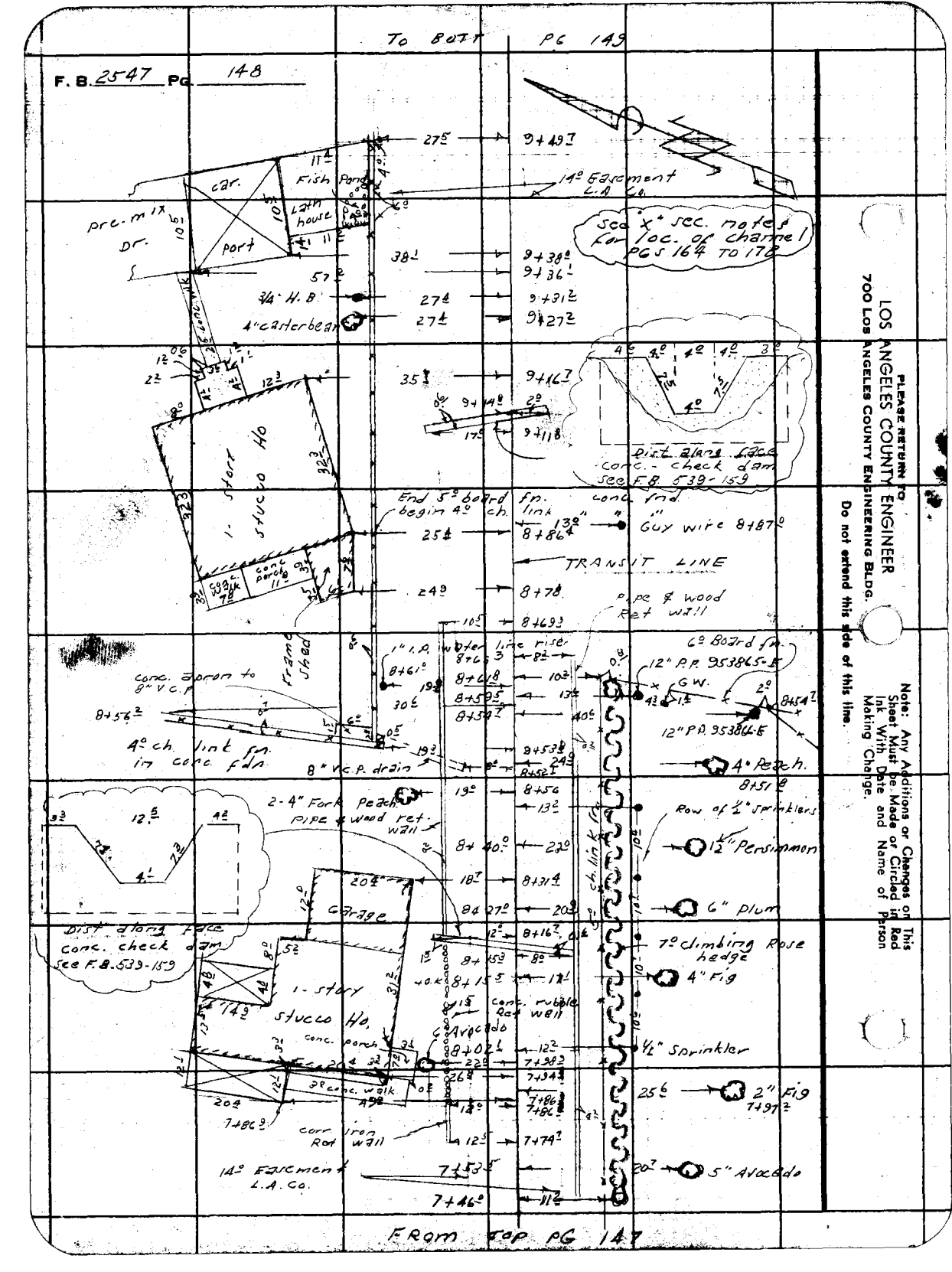
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

To B27T PG 149

F. B. 2547 PG. 148



FROM TOP PG 147

LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

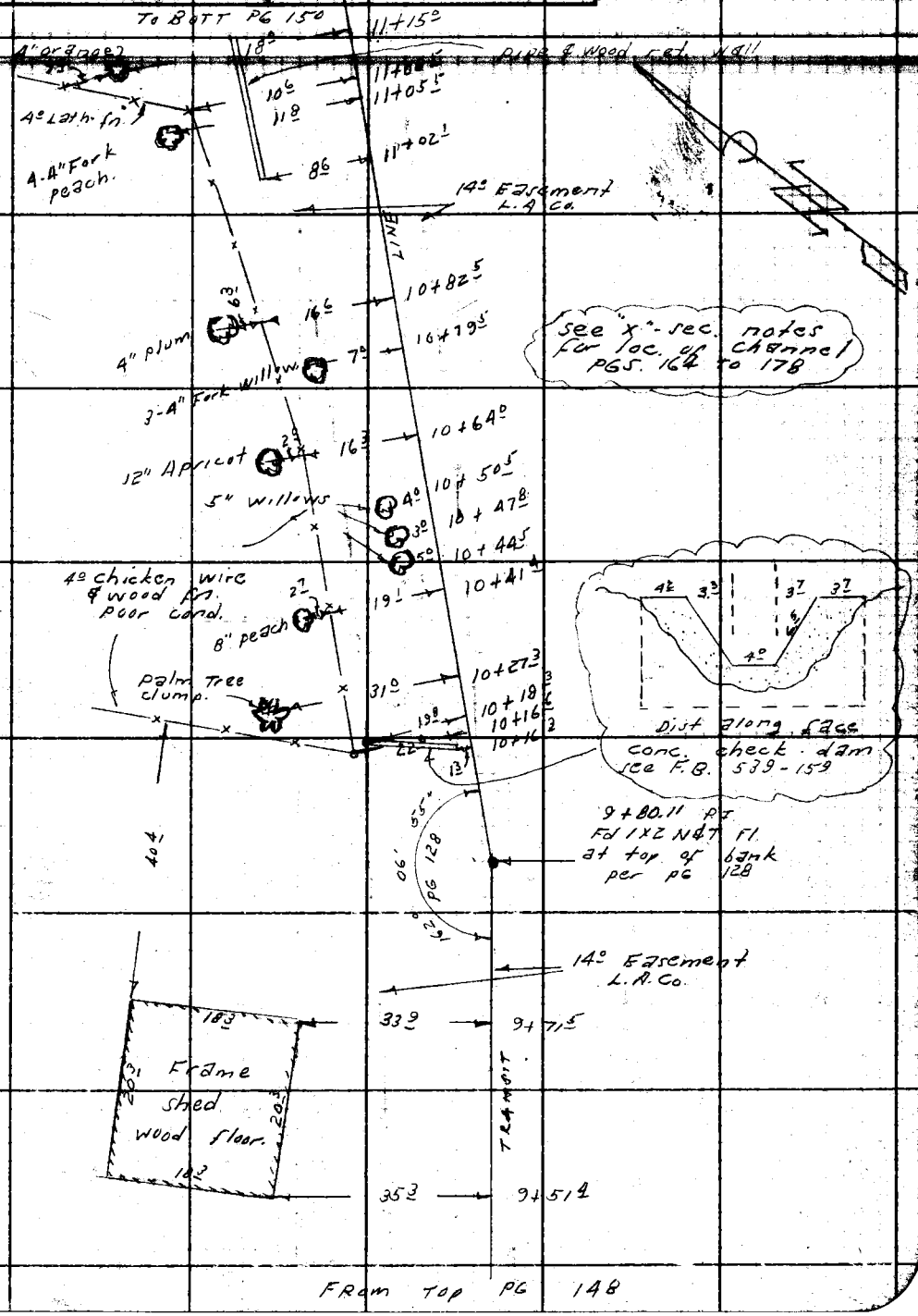
PLEASE RETURN TO

Do not extend this side of this line.

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 Whittwood S.D. Line "C"
Map No.	JN 625320 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 247 PG. 149

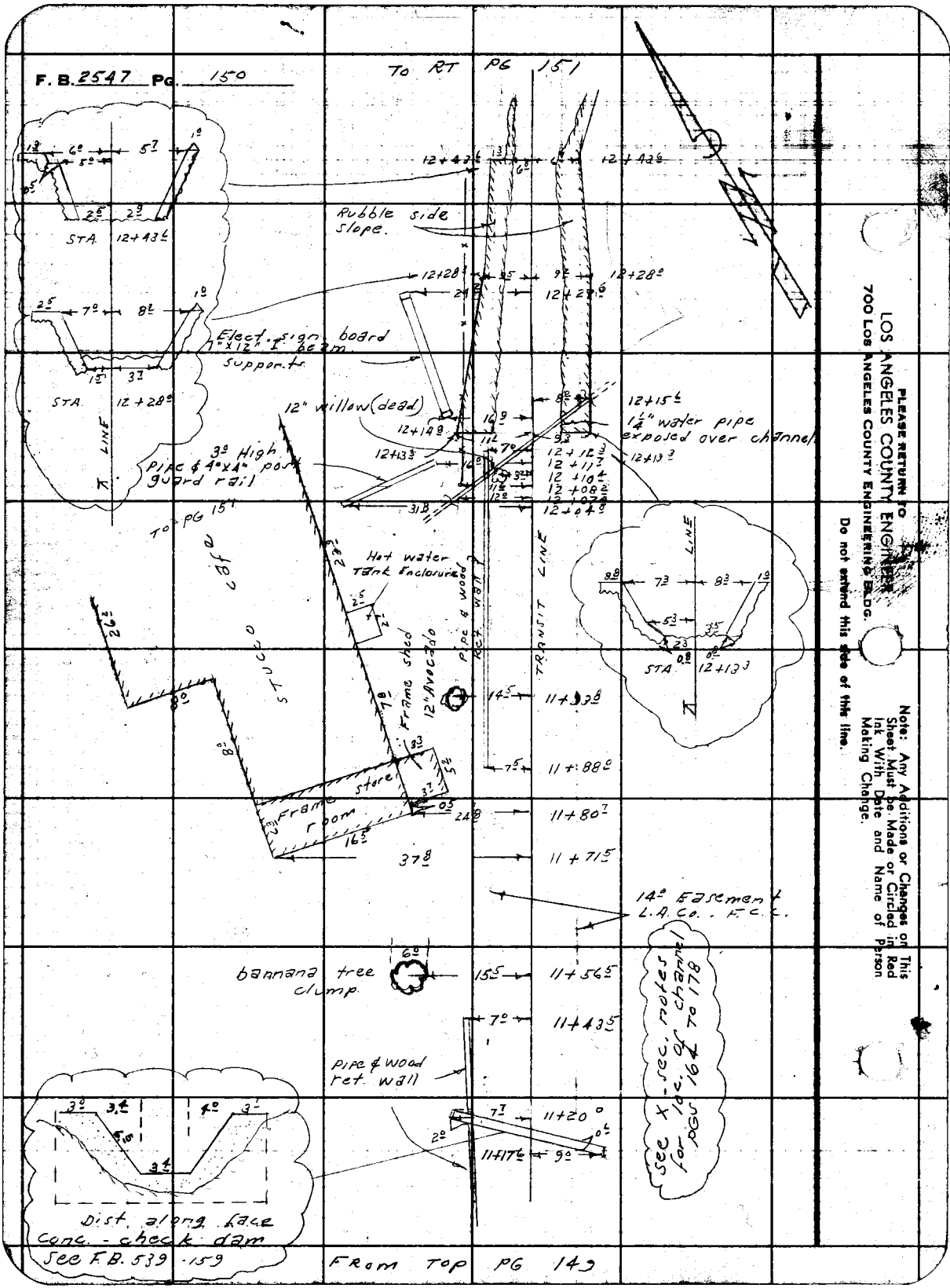


Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

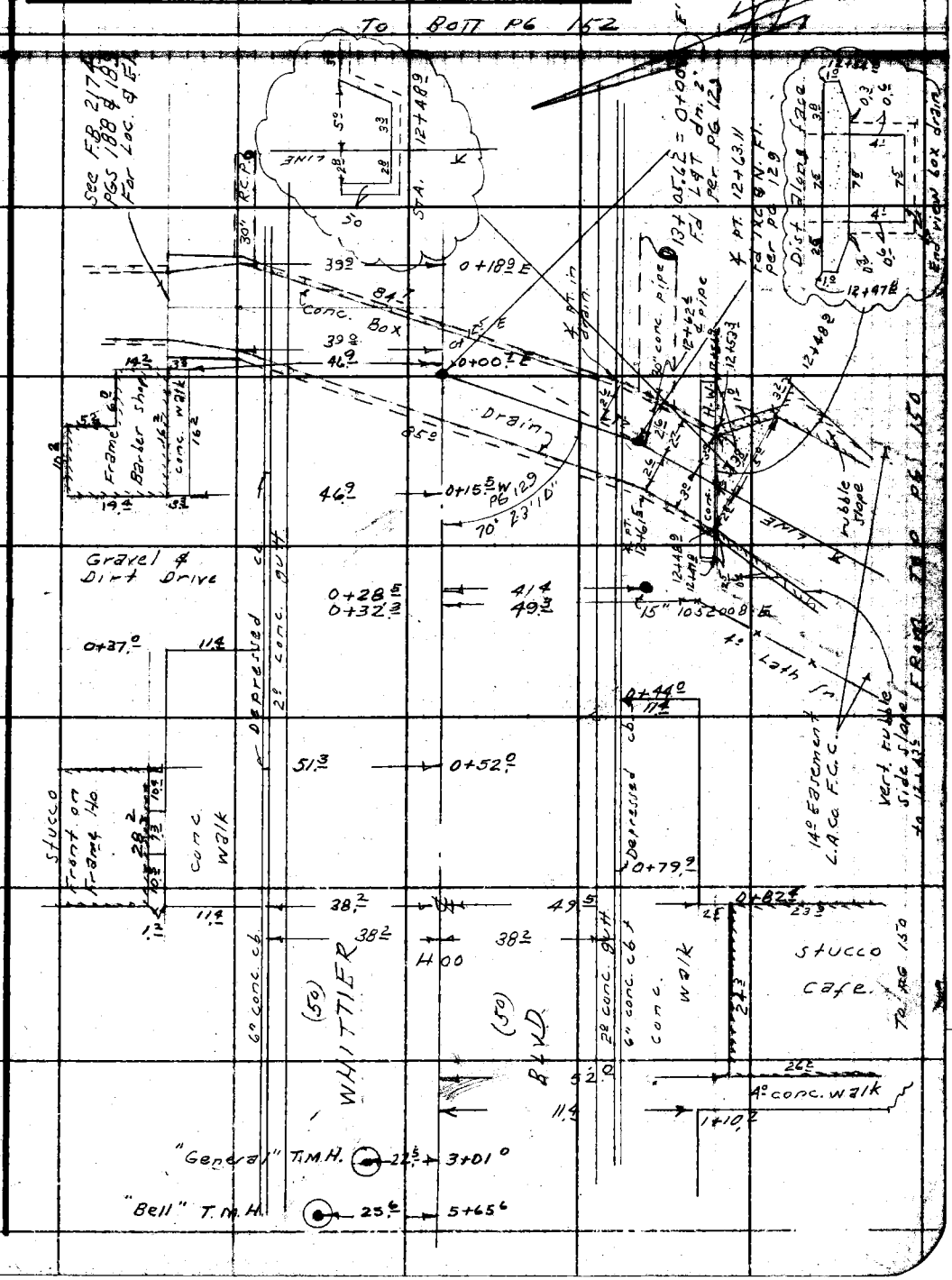


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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 Whittwood S.D. - Line "C"	F. B. 2547 PG. 151
Map No.	JN 6253.20 Tape Std °F	
Office Work	Surveyed by [illegible]	
Checked	Notes D.S. Date 12-59	
Date	Indexed A. C. Johnson	



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

Do not extend this side of this line.

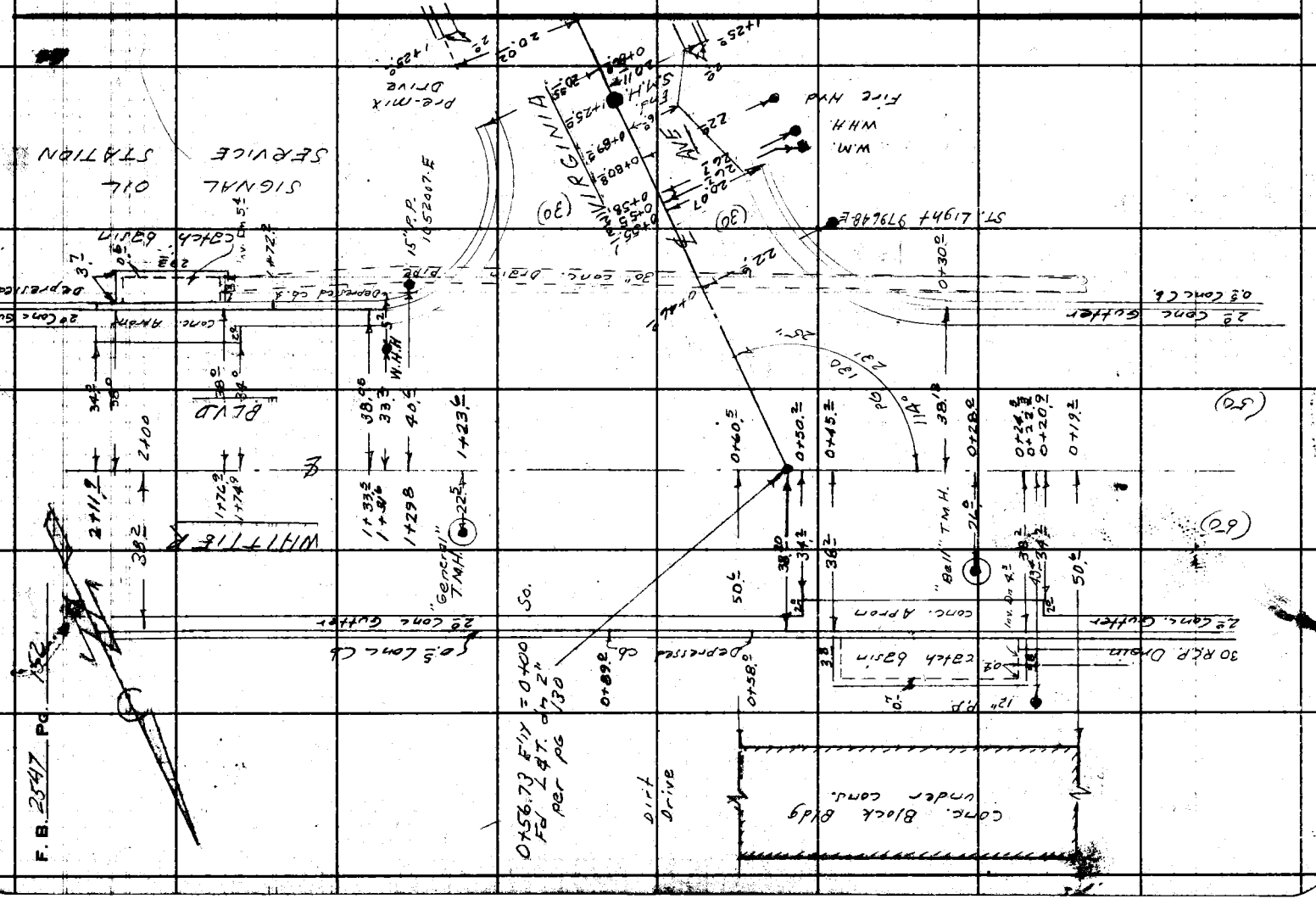
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E #247 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

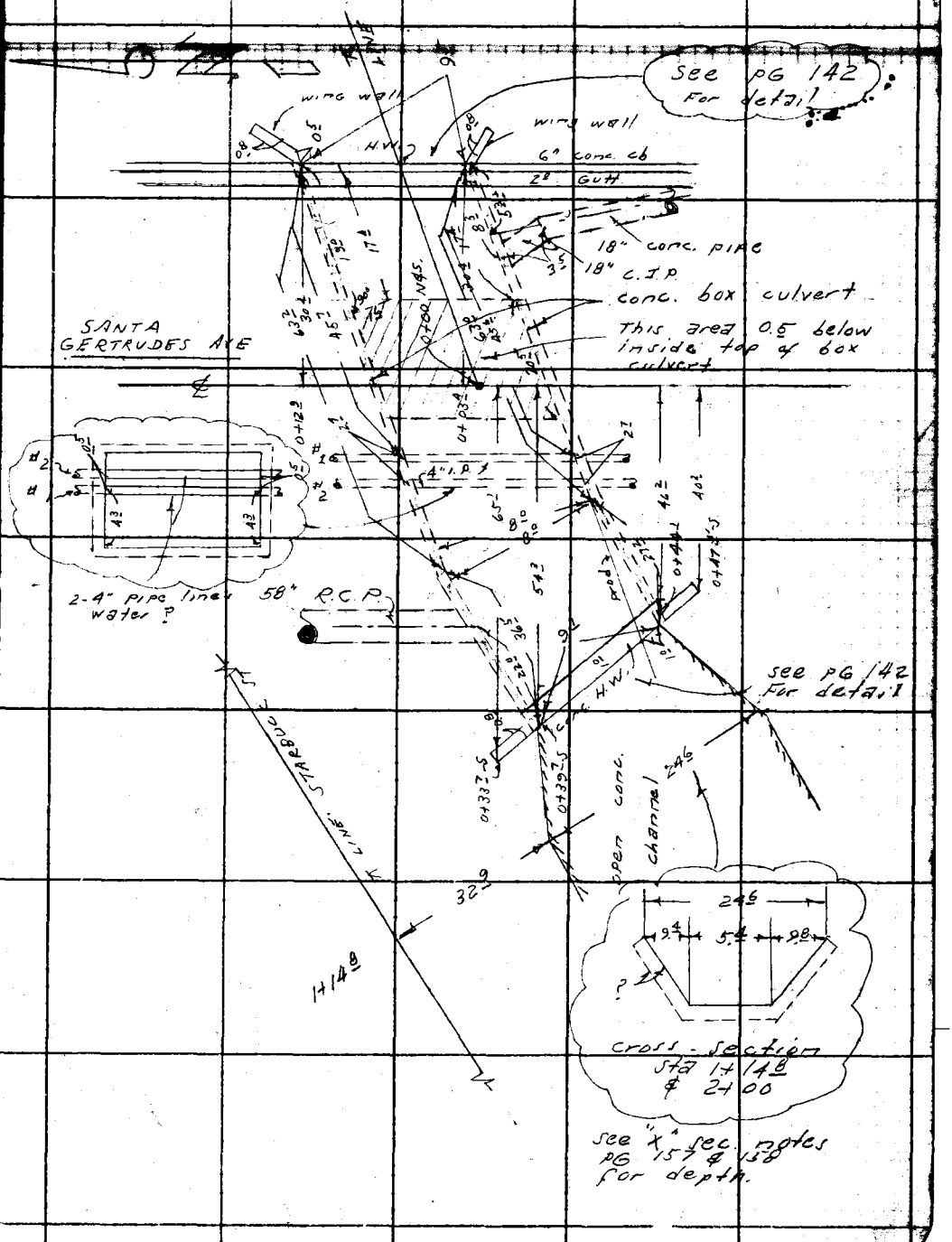
Do not extend this side of this line.



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

Survey of Whitwood S.D. Line "C"
JN 625220 Tape Std °F
Surveyed by
Notes Date 11-58
Indexed

F. B. 2547 Pg. 153



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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

76F309S SAE #247 11-58

Profile No. ____ X-Sec. No. ____

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

Plotted ____ Date ____ Checked ____ Date ____

Job No. 6253.20 Division No. 10

Survey of Whittwood SD Line "C"

Survey by Sappell Notes D.S. Date 12-59

Map No. ____ Indexed C. Johnson Date 1-7-60

F. B. 2547 Pg. 155

WHITTWOOD STORM DRAIN

J.N. 6253.20 PROJ Nº 532

CROSS - SECTIONS

OF

LINE "C"

FROM

SANTA GERTRUDES AVE & CHANNEL
N-E'LY ALONG CHANNEL TO WHITTIER BLVD

party: Sappell
Shoemaker
Lieber
Caro
Clifford

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.

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

761-288 S & E #307—1-56

76L-298 S & E #307—1-56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
BM S.D. 1744				255 57	BM S.D. 1744 El. 255.573 F.B. 2518-12 J.N. 6253.20	
	4 32	259 89			Santa Gertrudes Ave & Starbuck St.	
					(E. side) Bt. spk in cb. 5° S. of ℄ prod.	
1+00			4 45	255 44	PG 122 & 142 Int. ℄ Santa Gertrudes & ⊼ Line	
" " =	0+00	going	N & S.	along	the ℄ of " "	
0+01¹ N			5 84	254 05		34¹ " Top end wing wall
			10 0	249 9		34¹ " bott channel @ W.W.
0+03⁴ N			5 09	254 80		27⁹ " Ed gutt
			5 20	254 69		30[illegible] " bott cb.
			4 56	255 33		30[illegible] " Top " & H.W.
			5 42	254 47		30⁴ " Top wing wall
			11 41	248 48		30⁴ " bott box culvert
0+12⁹ N			5 03	254 86		27⁹ " Ed gutt
			5 17	254 72		30⁴ " bott cb.
			4 56	255 33		30⁴ " Top " & H.W.
			5 39	254 50		30⁴ " Top Wing wall
			11 32	248 57		30⁴ " bott box culvert.
0+17⁰ N			5 76	254 13		32⁹ " Top end wing wall
			10 1	249 8		32⁹ " bott channel at W.W.
0+23⁸ N			3 69	256 20		34⁸ Top 12" I.P. (water?)
0+24⁸ N			4 46	255 43		34⁸ " " enters gnd.

F. B. 2547 Pg. 156
Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
0+44.10		259 89	430	255 59		Int & Santa Gertrudes & ℄ Line Starbuck
" "	=	0+00	going W'ly		along the ℄ LINE of	Starbuck
0+52.3	W'ly		469	255 20	℄ LINE	"
			484	255 05		9' R W/L
			513	254 76		16' " cor guth
			523	254 66	both cb	18½ " W'ly end C.R. N.W. cor
			463	255 26	Top "	18½ " " " "
			452	255 37		29.6 " cor. conc. wall
1+14.8	W'ly		604	253 85	℄	Line Starbuck
			617	253 72		9° R W/L
			659	253 30		18½ " both cb
			595	253 94		18½ " Top "
			567	254 22		29.6 " Ed. conc. walk
			610	253 79	9° L W/L	
			642	253 47	16½ " cor. guth.	
			659	253 30	18½ " both cb.	W. end C.R. S.W. cor
			593	253 96	18½ " Top "	" " "
			59	254 0	30.6 " Top brk.	
			68	253 1	30.8 " both "	
			698	252 91	32.9 " Top conc. channel & pt.	
			1308	246 81	42.3 " both slope & channel	

Profile Notes Red. Plotted Job No. 62-50-20 Division No. 16
No. X-Sec. Date Date Survey of Whitwood Ave. Line 'C'
Notes Chkd. Checked Survey by J. Zuno & Notes L.J.S. Date 12-
No. Date Date Map No. Index C. Johnson Date -59

F. B. 20747 Pg. 157

76L-298 S & E #307—1-56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+14.8 W'ly		259.89	13.07	246.82	47.7 L bott slope	& channel
			6.93	252.96	57.5 " Top conc.	channel & PT.
			6.6	253.3	69.5 " Top brk.	
			7.2	252.7	71.0 " bott "	
2+00 W'ly			7.99	251.90		⊼ Line Starbuck.
			8.14	251.75		9.0 R W/4
			8.48	251.41		18.1 " bott cb.
			7.82	252.07		18.1 " Top "
			7.52	252.37		29.6 " Ed. conc. walk
			8.05	251.84	9.0 L W/4	
			8.51	251.38	18.1 " bott cb.	
			7.92	251.97	18.1 " Top "	
			7.6	252.3	30.6 " Top brk	
			8.1	251.8	30.8 " bott "	
			8.25	251.64	32.9 " Top conc.	channel
			14.23	245.66	42.3 " bott slope	& "
			14.22	245.67	47.7 " " "	" "
			8.32	251.57	57.5 " Top conc.	channel
			8.0	251.9	69.5 " Top brk.	
			8.5	251.4	71.0 " bott "	

F. B. 2547 Pg. 158
Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Wh. Hwood S.D. Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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Profile Notes Red. Plotted. Job No. 62532.20 Division No. 10 F. B. 25447 Pg. 159
No. Date Date Survey of Wgt. Hwy. 60 & SD Line "C"
X-Sec. Notes Chkd. E. Date Checked Survey by Segerstrom Notes D.L. Date 12-57
No. Date Map No. Indexed C. Johnson

STATION	B. S.	H. I.	F. S.	ELEV.		
		25989				
3+47.7	W/Y		1081	24908		12° R S.M.H. E-Rim
			1968	24021	Inv. 10" Inlet E.	Rim Rod + (M + D) = Total Rod 10.79 + (8.06+0.83) = 19.68
			1976	24013	" 10" outlet W.	10.81 + (8.12+0.83) = 19.76
0+55.0	℄ Santa Gertrudes		431	25558	5° L S.M.H.	W/Y Rim Rim Rod + M + D = Total Rod
			1375	24614	Inv. 10" Inlet N.	4.30 + (8.62+0.83) = 13.75
			1394	24595	" 10" outlet W'ly	4.31 + (8.80+0.83) = 13.94
0+74.9	N		420	25569		℄ Santa Gertrudes
			430	25559		15° R W/A
			470	25519		28.1 " Ed gutt.
			485	25504		30.1 " both ch.
			421	25565		30.1 Top "
			43	2556		40. P/L
			434	25555	15° L W/A	
			474	25515	28.1 " Ed gutt.	
			489	25500	30.1 " both ch. - N. end C.R. N.W. car.	
			424	25565	30.1 " Top " - " " " "	
			420	25569	40.2 P/L ℄ Ed pre-mix parking lot	
1+70.16	N		335	25654	per PG 123 B.C.	Santa Gertrudes
			362	25627		15.1 R W/A
			421	25568		28.2 " Ed gutt.

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F. B. 2547 Pg. 140 Job No 62522 0 Division No 10 Notes Red Date Plotted Profile
Survey of Whitmoyer "C" Line S.D. Date No. X-Sec.
Survey by Jaggers, Notes D.S. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+70 16	N.	259 93	4 40	255 49		30 2 R both cb.
			3 78	256 11		30 2 " Top "
			3 5	256 4		40 " P/L
			3 32	256 51	15 L	w/4
			3 30	256 09	28 "	Ed gutt.
			3 32	255 97	30 "	both cb.
			—		—	depressed cb.
			2 39	256 90	35 "	brk. in conc apron.
			2 84	257 05	30 "	back " "
2+62 1 Semi-Tan.	N	S.D. M.H.	2 31	257 58	31 3 L	Storm Drain M.H. E. Rim
			9 01	250 88	Inv. El. 58" R.C.P.	
0+01 2 -S			10 21	249 68	23 5 L	Inv. 18" C.I.P.
			11 51	248 38	23 5 "	both box culvert.
0+04 8 -S			4 60	255 29	30 6 L	Top cb.
			3 76	256 13	34 6 "	Top 12" Iron pipe (water?) & gnd. (pipe dives)
0+27 8 -S			[redacted] 23	247 58		35 9 R (or West) Inv 58" R.C.P.
			[redacted] 53	247 36		35 9 " both box drain
0+33 7 -S			4 32	254 97		65 1 " Top H.W.
			5 5	254 4		65 1 " gnd.
0+39 7 -S			4 41	255 40		54 3 " Top H.W.
			6 95	252 94		54 3 " Top conc. Slope

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+33.7	-S	259 89	12 81	247 08		54.3 R bott box culvert
0+44.1	-S		4 35	255 54		46.2 R Top conc H.W.
			6 97	252 92		46.2 R " " side slope
			12 73	247 16		46.2 R. bott box culvert
0+43.2	-S		5 20	254 69	27.9 L ∡ PT. Ed gutt.	
0+47.5	-S		4 39	255 50		40.2 R Top End conc H.W.
			5 2	254 7		40.2 " gnd at front "
			6 5	253 4		40.2 " " " back "
0+ 48.2	-S		5 20	254 69		31.6 R cor. gutt.
0+ 48.6	-S		5 36	254 53		33.6 " bott cb ℄ Gnd.
"			4 67	255 22		33.6 " Top " (End)
0+57.8	-S		5 27	254 62	25.9 L ∡ PT. in Apron	
			5 48	254 41	29.9 " bott cb.	
			4 79	255 10	29.9 " Top "	
0+62.7	S		5 75	254 14	29.9 " conc. apron at end catch basin.	
			8 74	251 15	31.6 " Inv. 18" conc. drain pipe	
0+67.7	-S		5 76	254 13	29.9 L conc. apron at end catch basin	
			8 28	251 61	29.9 " bott. catch basin	
0+68.2	-S		5 20	254 69		℄ Santa Gertrudes.
			5 00	254 89	8.7 L crown.	
			4 98	254 91	15.1 L W/4	
			5 19	254 70	25.9 " Ed apron	

Profile No. X-Sec. No. Notes Red Date Plotted Date Notes Chkd. H. E. AUST Checked Date Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. - Line "C" Survey by Sappell Notes D.S. Date 12-5-59 Map No. Index C. Johnson

F. B. 2547 PG. 161

76L-298 S & E #307—1-56

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STATION	B. S.	[illegible]	F. S.	ELEV.		
0+68.2	-S	259 89	5 73	254 16	29.86 L bott cb. -	N. end C.R. N.E. Cor.
			4 78	255 11	29.86 " Top "	" " "
			3 8	256 1	40 " P/L	
0+72.3	-S		5 15	254 74	25.9 " L ∡ pt.	Apron.
0+65.5 +o.k.	-S		5 55	254 34		11° R Ed pv.
0+77.8	-S		5 19	254 70	28.2 L. Ed gutt.	
1+00	-S		5 34	254 55		℄ Santa Gertrudes
			5 62	254 27		11° R Ed pv.
			6 4	253 5		20 " P/L
1+40.82			5 33	254 56	PG 121 & 142	℄ int Santa Gertrudes & La Forge
" "	=	0+00	going	E'ly	along the ℄ of	La Forge.
0+15.0	E'ly		5 01	254 88		℄ La Forge.
0+60.9	"		4 49	255 40		℄ " "
			4 66	255 23		9° R w/4
			5 04	254 85		16° " Ed gutt.
			5 19	254 70	bott cb.	18 " E. end C.R. S.E. cor.
			4 53	255 36	Top "	18 " " " "
			3 8	256 1		30 " P/L
			4 26	255 63		℄ La Forge
0+74.2	"		4 32	255 57	9° w/4	
			4 73	255 16	16.1 Ed gutt.	E. end C.R. N.E. cor.
			4 89	255 00	18.1 " bott cb. -	" " "
					18.1 depressed cb.	

F. B. 2547 Pg. 162 Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. - Line "C" Date Date No. X-Sec.
Survey by Sappall Notes D.S. Notes Chkd Checked No.
Indexed E. C. Johnson Date Date Date

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+74 2	E'ly	259 89	38	256 1	30' L P/L	
0+84 4	"		475	255 14	18' L End gutt. & bott cb.	
			414	255 75	18' L Top cb.	
1+16 3	"	(End) S.M.H.	3 77	256 12	(End from E) S.M.H.	℄ La Forge W. Rim
	E. Rim Rod		(3 73)			
1+24 2	"		367	256 22		℄ La Forge
			3 91	256 08		9 R w/4
			4 30	255 59		18 " bott cb.
			3 70	256 19		18 " Top "
			34	256 5		30 " P/L
			3 90	256 [illegible]	9 L	
			4 32	255 [illegible]	18 "	
			3 76	256 13	18 " same	
			31	256 8	30 "	
1+86 8 south.			5 25	254 64		℄ Santa Gertrudes
			5 17	254 72	3' L Crown	
			5 32	254 57	15' L w/4	
			5 78	254 11	28' " Ed gutt.	
			5 93	253 96	30' " bott cb. - S. end C.R. S.E. cor.	
			5 24	254 65	30' " Top " " " " "	
			4 7	255 2	40 " P/L	

Profile Notes Red. ____ Plotted ____ Job No. 625320 Division No. 10 F. B. 2547 Pg. 163
No. ____ Date ____ Date ____ Survey of Whitwood S.D. - Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes P.S. Date 12-59
No. ____ Date ____ Date ____ Map No. ____ Index [illegible] C. Johnson

761-[illegible] S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+00 south.		259 89	5 35	254 54		℄ Santa Gertrudes.
			5 82	254 07		11° R
			6 6	253 3		20° " P/L
T.P.			4 44	255 45	T.P.	
	5 50	260 95				
1+40 Elev			12 7	248 2		π Line bott channel
			12 6	248 3	5.5 L bott channel & bank.	
			5 5	255 4	8.5 " Top bank	
1+53.3			13 2	247 7		2.5 R. bott channel
			11 24	249 71		2.5 " bott brk. in check dam & gnd.
			6 70	254 25		5.6 " Top check dam - brk.
			6 77	254 18		8.3 " " " & Ret. wall
			4 9	256 0		8.3 " top bank
			4 3	256 6		25.0 " gnd.
			12 8	248 1	3.4 L bott channel	
			11 18	249 77	3.4 " bott brk in check dam & gnd ahead	
			10 67	250 28	7.2 " brk in side slope - gnd.	
			6 67	254 28	7.2 " Top check dam brk.	
			6 59	254 36	10.9 " Top " " end	
			5 6	[illegible] 3	12 " Top bank	
			5 6	[illegible] 3	27 " gnd.	
2+00			11 1	249 8		π Line bott channel

F. B. 2547 Pg. 164 Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. - Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
2+00		260 95	11 1	249 8		3° R bott channel & bank
			4.5	256 4		10.5 " Top slope
			4.3	256 6		11.5 " Bot. Brk
			3.1	257 8		11.5 " Top Brk
			3.0	257 9		25.5 " Gnd
			11.1	249 8	2.5 L Bott channel & bank	
			5.4	255 5	10.0 L Top slope	
			5.3	255 6	25° L Gnd	
2+ 50°			107	250 2	⊼	Line
			108	250 1		2° R bott channel & bank
			44	256 5		9.2 " Top bank
			44	256 5		13.1 " bott brk
			37	257 2		13.1 " Top "
			37	257 2		24.3 " gnd
			109	250 0	3.9 L bott channel & bank	
			40	256 9	10 " Top bank	
			45	256 4	25 " gnd	
2+96.6			88	252 1	5.3 L bott channel @ end of check dam remains	
			377	257 18	6.5 " Top check dam - brk.	
			374	257 21	9.3 " " " " End.	
3+ 00			96	251 3	⊼	Line - bott channel

Profile Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 165
No. ____ Date ____ Date ____ Survey of Whitwood S.D. - Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes P.S. Date 12-[illegible]-59
No. ____ Date ____ Date ____ Map No. ____ Index No. ____ Date ____

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
3+00		260 95	96	251 3		4° R. bott channel & bank.
			30	257 9		9⁶ " Top bank
			23	258 6		24⁶ "
			94	251 5	4° L bott channel & bank.	
			36	257 3	8⁸ " Top bank.	
			37	257 2	24⁰ " Gnd	
3+24²			95	251 4		Line - bott channel
			73	253 6		5³ R bott channel & bank.
			95	251 4	4° L bott channel & bank	
3+32			77	253 2		Line - bott channel
			77	253 2		3⁰ R bott channel & bank.
			28	258 1		10³ " Top bank & Ret. wall
			78	253 1	3⁵ L bott channel & bank.	
			36	257 35	9⁰ " Top bank	
T.P.	787	265 76	306	257 89	T.P.	
3+50			102	255 6		Line - bott channel
			108	255 0		10² R bott channel & Ret wall
			75	258 3		10² " Top bank & "
			61	259 7		25 "
			102	255 6	3⁵ L bott channel & bank	
			78	258 0	8² " Top bank.	
			79	257 9	23 " Gnd	

F. 2547 Pg. 166 Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. "Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd Checked
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
3+55.81		265 76 ✓	102	255 6 ✓	PG 126 & 145 ∡ PT.	⊼ Line - bott chan.
4+00			93	256 5 ✓	⊼	Line - bott channel
			89	256 9 ✓		6.2 R. bott chan & Ret wall
			61	259 7 ✓		6.5 " Top Ret. & bank
			58	260 0 ✓		22 " gnd.
			87	257 1 ✓	3.0 L bott channel & bank	
			63	259 5 ✓	8.0 " Top bank.	
			67	259 1 ✓	23 " gnd	
4+17.5			950	256 26 ✓		2.3 R Top 10" caped pipe River Flush with bott of chan.
(see 5.0 pipe line easement to Calif. Domestic Water Co)						
4+50			70	258 8 ✓	⊼	Line side slope
			82	257 6 ✓		1.5 R bott channel & bank
			85	257 3 ✓		5.0 R " " "
			53	260 5 ✓		8.0 " Top bank
			5.0	260 8 ✓		11.5 " bott bnk
			44	261 4 ✓		11.7 " Top "
			44	261 4 ✓		23 " gnd.
			59	259 9 ✓	3.2 L Top bank	
			59	259 9 ✓	18.2 " gnd	
4+74.0			83	257 5 ✓	⊼	Line - bott channel & bank
			45	261 3 ✓		7.0 R Top bank

Profile Notes Red ____ Platted ____ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 167
No. ____ Date ____ Date ____ Survey of Whitwood & S.D. Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 12-59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
4+74.0		265.76	84	257.4	4.5 L bott channel & bank	
			54	260.4	7.5 " Top bank	
5+00			81	257.7		Line - bott channel & bank
			45	261.3		7.5 R Top bank
			29	262.9		22.5 " gnd
			80	257.8	2.5 L bott channel & bank	
			50	260.8	7.0 " Top bank	
			52	260.6	22 " gnd	
5+27.9			80	257.8		Line bott channel
			61	259.7		5.0 R bott Ret. wall
			47	261.1		5.0 " Top " " & bank.
5+50.0			78	258.0		Line
			78	258.0		3.6 R bott channel & Ret wall
			38	262.0		3.6 R Top wall & bank.
			28	263.0		20.4 R Ed patio - gnd
			76	258.2	2.0 L bott channel & bank	
			38	262.0	8.0 " Top bank	
			39	261.9	23.0 " gnd	
6+00			74	258.4		Line - bott channel & bank
			74	258.4		5.0 R bott " & Ret wall
			23	263.5		5.5 " Top Ret wall & bank
			12	264.6		20.5 " gnd.

F. B. 2547 Pg. 168 Job No. 6257.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. - Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
6+00		265 76	35	262 3	8^8 L Top bank	
			30	262 8	24 " gnd.	
BM SD 1745			193	263 83	BM SD 1745 El. 263.807 F.B. 2518-11, J.N. 6253.20	
	710	270 91	corr.	263.81	On N. side of drain between Whittier Blvd &	
					Santa Gertrudes Ave - in rear of Ho. No. 15851	
					La Forge St. 78^5 Ft. N.E. of pole #953363 E	
					A. bt. spk in top of conc. errosion retarder	
6+11 1			680	264 11		6^0 R. Top end [illegible] "
6+ 11 4			126	258 3		3^3 " bott channel & " "
6+ 11 8			124	258 5	2^8 L bott channel at retarder	
6+12 2			84	262 5	8^5 " gnd Top bank	
			708	263 83	8^5 " Top end conc. retarder	
6+24 0			109	260 0		7^6 R bott ret wall
			69	264 0		7^6 " Top " & bank
6+50			121	258 8		⊼ Line - bott channel
			101	260 8		9^0 R bott ret wall
			61	264 3		9^0 " Top " & bank
			57	265 2		11^2 "
			52	265 7		24^0 " gnd.
			121	258 8	4^0 L bott channel & bank	
			68	264 1	8^6 " Top bank	

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 169
No. Date Date Survey of Whitwood S.D. - Line "C"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes J.S. Date 12-59
No. Date Date Map No. Int. G. Johnson

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
6+50		270 91	6 8	264 1	26.3 L grnd	
7+00			10 95	259 96	⊼ Line	- Top 12" Conc. pipe in v bott channel
			10 8	260 1		5.0 R bott channel & bank
			5 1	265 8		6.5 " Top ret wall & "
			4 3	266 6		21.5 R grnd
			11 0	259 9	2.3 L bott channel	& brk
			9 5	261 4	2.8 " Top brk.	
			5 6	265 3	12 " " bank.	
			5 6	265 3	27 " grnd.	
7+02.1			7 04	263 87	9.9 " Inv. 8" conc. inc. pipe (abandoned)	
7+50			11 1	259 8	⊼ Line	- bott chan. & bank
			4 1	266 8		7.0 R Top ret. wall
			3 4	267 5		9.5 " brk.
			3 0	267 9		22.0 " grnd
			10 9	260 0	4.6 L bott channel & bank	
			3 6	267 3	14.0 " Top bank	
			3 9	267 0	29.0 " grnd	
7+74.7			10 8	260 1	6.0 L bott channel & bank	
			6 3	264 6	8.0 " brk.	
			5 0	265 9	12.0 " grnd at ret wall	
			3 0	267 9	12.0 " Top ret wall & bank	

F. B. 2547 Pg. 170 Job No. 625320 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
8+00		270 91	10 3	260 9		⊼ Line - bott channel & bank
			2 5	268 4		8° R Top ret wall & bank
			2 2	268 7		23 " gnd
			9 3	261 6	11° L bott channel at rubble wall	
			2 3	268 6	12° " Top rubble wall	
			1 9	269 0	25° " gnd	
8+15 3			1 89	269 02		8° R Top end check dam
8+15 6			2.00	268 91		3° " Top check dam-brk
8+15 9			10 3	260 6	0° L bott channel ahead & bott check dam	
			7 75	263 16	0° " bott channel - back	
8+16 2			9 3	261 6	4° L bott channel - back	
			7 92	262 99	4° " bott check dam & bott channel ahead	
8+16 4			2 06	268 85	8° L Top check dam - brk & Top bank	
8+16 7			2 06	268 85	12° " " " " End	
			1 7	269 2	12° " gnd	
T.P.			1 54	269 37	T.P.	
	8,09	277.46				
8+50			14.3	263 2		⊼ Line - bott channel & slope
			14.4	263 1		3° R bott " & bank
			7.7	269 8		8° Top ret wall & bank
			7 2	270 3		23 " gnd

Profile Notes Red. ____ Plotted ____ Job No. 6253.30 Division No. 10 F. S. 2547 Pg. 171
No. ____ Date ____ Date ____ Survey of Whittwood S.D. - Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 12-59
No. ____ Date ____ Date ____ Map No. ____ Index C. Johnson Date ____

76L-298 S & E #307—1-56

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F.B. 2547 Pg. 172 Job No. 623226 Division No. 10 Notes Red Plotted Profile
Survey of Whitthwood S.D. Line C, C' Date Date No.
Survey by Zappe // Notes 2 Notes Chkd Checked X-Sec.
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
8+50		277.46 ✓	9.4	268.1 ✓	10.5 L	gnd at ret wall
			7.4	270.1 ✓	10.5 "	Top ret. wall & bank
			7.6	269.9 ✓	25.0 "	gnd
8+52.1			9.70	267.76 ✓	8.0 L	inv 8" V.C.P. (outlet)
8+55.1			8.38	269.08 ✓	21.0 L	" " " (inlet)
8+65.3			7.6	269.9 ✓		8.2 R Top ret wall & bank
			7.5	270.0 ✓		21.4 " bott brk
			5.8	271.7 ✓		24.2 " Top "
			8.3	269.2 ✓		39.0 " bott. "
9+00			10.9	266.		↑ Line - side slope
			5.9	271.6 ✓		7.0 R Top bank & bott brk.
			4.5	273.0 ✓		10.0 " Top brk.
			6.7	270.8 ✓		14 " bott "
			7.1	270.4 ✓		35 " gnd.
			14.0	263.5 ✓	2.0 L	bott channel & bank
			14.0	263.5 ✓	6.0 "	" " " "
			6.6	270.9 ✓	16.0 "	Top bank
			6.4	271.1 ✓	29.5 "	gnd.
9+11.8			6.65	270.81 ✓	17.0 "	Top - end conc. check dam
			6.1	271.4 ✓	17.0 "	gnd & Top bank.
9+12.5			6.64	270.82 ✓	12.6 "	Top check dam. brk.

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Profile Notes Red. Plotted Job No. 62R0.20 Division No. 10
No. X-Sec. Date Date Survey of Whittwood SCD - Line "C"
Notes Chkd. Checked Survey by Sparks Notes Date 12-56
No. Date Date Map No. Job No. C. Jobbins

F. B. 2547 Pg. 173

STATION	B. S.	H. I.	F. S.	ELEV.		
9+13.1		277.46	14.3	263.2	8.1° L	both channel - back
			12.62	264.84	8.1° "	" " - ahead & both check dam
9+13.7			12.55	264.91	4.8° "	" " " " "
			13.8	263.7	4.8° "	" " - back.
9+14.3			6.41	271.05	0.8° L	Top check dam - brk.
9+14.8			6.44			2° R Top check dam - end
			4.1	273.4		5.5° " Top brk.
			6.5	271.0		10.5° " both "
			6.5	271.0		17° " gnd.
9+50			4.3	273.2		℄ Line - side slope
			3.1	274.4		13 R Top brk.
			2.7	274.8		4° " " "
			6.1	271.4		9° " both "
			6.2	271.3		16° " gnd.
			11.3	266.2	6° L	both channel ℄ bank
			11.0	266.5	12.4° "	" " " "
			5.6	271.9	22° "	Top bank
			5.4	272.1	37° "	gnd.
9+80.11			3.4	274.1	PG 128 & 149	P.I. Transit line - side slope
10+00			4.6	272.9		℄ Line - side slope
			2.0	275.5		6° R Top bank

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STATION	B. S.	H. I.	F. S.	ELEV.		
10+00		277 46	45	273 0		12° R bott brk.
			50	272 5		17° " gnd.
			105	267 0	7° L	bott channel & bank.
			106	266 9	12° "	" " " "
			43	273 2	23° "	Top bank.
			42	273 3	38 "	gnd.
10+16.3			43	273 2		1° R Top bank
			41	273 4		5° " bott brk
			14	276 1		9° " Top "
			21	275 4		33.5 " " "
			50	272 5		36° " bott "
			5 36	272 10	1.3 L	Top check dam - end.
10+16.7			5 46	272 00	4.9 "	" " " brk.
10+17.1			10 9	266 6	8.5 "	bott channel - back.
			10 78	266 68	8.5 "	" " - ahead & bott check dam
10+17.6			10 90	266 56	12.4 "	" " - " " " " "
			11 0	266 5	12.4 "	" " - back.
10+17.9			5 73	271 73	15.7 "	Top check dam - brk.
10+18.3			5 59	271 87	19.8 "	Top " " end & bott brk.
			41	273 4	21.3 "	Top brk.
10+50			64	271 1		⊼ Line - side slope

F. B. 2547 Pg. 174 Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whittwood S.D. - Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
10+50		277 46	36	273 9		4² R Top bank.
			34	274 1		11⁵ " bott brk
			13	276 2		14⁰ " Top "
			10	276 5		25 " gnd
			90	268 5	4³ L bott channel & bank.	
			88	268 7	8⁵ " " " " "	
			34	274 1	17⁵ " Top bank	
			37	273 8	32⁰ " gnd	
T.P.			429	273 17	T.P.	
11+00	882	281 99	130	269 0		π Line - bott channel
			130	269 90		1⁶ R " " & bank
			69	275 1		9⁰ " Top bank
			66	275 4		13⁰ " bott brk.
			42	277 8		15⁰ " Top "
			44	277 6		25⁰ "
			131	268 9	3⁰ L bott channel & bank.	
			70	275 0	10⁶ " Top bank.	
			61	275 9	25 " gnd.	
11+17⁶			818	273 81		9⁰ R Top check dam-end & bott brk
			39	278 1		18⁰ " Top " brk.
11+18⁰			825	273 74		5⁹ R Top check dam-brk.

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 625320 Division No. 10 Survey of Whittwood S.D. Line "C" Survey by Sappell Notes D.S. Date 12-59 F. B. 2547 Pg. 175

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Index G. Johnson

76L-298 S & E #307—1-56

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F. B. 2547 Pg. 176 Job No 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood Sq. - Line "C" Date Date No X-Sec.
Survey by Sprell Notes 2.5 Notes Chkd Checked
Indexed E. C. Johnson Date Date Date No.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
11+18.6		291.99	13.51	268.38		12 R both check dam & channel
11+19.1			13.59	268.40	15 L	both check dam & channel
11+19.6			7.99	274.00	4.3 L	Top check dam - brk.
11+20.0			7.94	274.05	7.7 L	" " " - End
			6.5	275.5	8.5 "	Top bank
11+50			9.1	272.9		℄ Line
			9.5	272.5		5.6 R Top brk.
			11.1	270.9		6.5 R both channel
			11.4	270.6		9.8 " " "
			5.9	276.1		14.9 " Top bank
			3.8	278.2		23.6 " " brk.
			3.3	278.2		30 " End
			8.1	273.9	5.5 L	both brk.
			6.0	276.0	7.8 "	Top "
			5.4	277.6	23 "	End
12+00			10.1	271.9		℄ Line - both channel & bank
			10.6	271.4		4.5 R " " "
			5.6	276.4		10.9 " Top bank
			5.3	276.7		11.0 " both brk
			1.7	280.3		20 " Top
			4.1	277.9		26.6 " both "

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
12+00		281 99	40	278 0		36° R gnd
			49	277 1	10° L Top bank.	
			45	277 5	25 " gnd	
12+13³			102	271 8		3⁵ R bott channel & rubble slope
			466	277 33		8³ " Top rubble slope & gnd
			97	272 3	2³ L bott channel & rubble slope	
			87	273 3	5³ " brk in	" "
			41	277 9	7³ " Top rubble slope	
			44	277 6	11¹ " cor. top - rubble slope.	
			36	278 4	12⁰ " gnd	
12+28⁰			97	272 3		3⁷ R bott chan. & Rubble slope
			43	277 7		8² " Top bubble slope.
			45	277 5		23 " gnd.
			96	272 4	1⁵ L bott channel & rubble slope.	
			39	278 1	7⁰ " Top	" "
12+43⁶			94	272 6		2⁹ R bott chan. & Rubble slope
			42	277 8		5⁷ " Top Rubble slope.
			43	277 7		8⁷ " bott bk.
			28	279 2		11³ " Top "
			20	280 0		36⁰ " gnd
			90	273 0	2⁵ L bott channel & rubble slope	

Profile No. X-Sec. Notes Red Date Notes Chkd. Plotted Date Checked Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. Line "C" Survey by Sappell Notes D.S. Date 12-5-59 Date Date Date Date

F.B. 2547 Pg. 177

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
12+43.6		281 99	4 71	277 28	5.0 L brk in bubble slope	
			4 71	277 28	5.5 "	
			3 7	278 3	6.0 " Top rubble slope	
			3 7	278 3	7.3 " cor. "	
			3 0	279 0	7.6 " - gnd.	
12+47.4			2 97	279 02	5.1 " Top end conc. H.W.	
12+48.9			8 97	273 02		3.3 R bott wing wall & conc. channel
			4 49	277 50		5.0 " Top Rubble slope
			4 2	277 8		8.2 " cor. rubble & bott brk.
			2 6	279 4		11.6 " Top brk.
			0 7	281 3		26.1 " " "
			3 8	278 2		33.5 " bott "
			8 70	273 29	2.8 L bott box drain	
			4 65	277 34	2.8 " Top wing wall & inside box drain	
12+53.3			8 72	273 27		3.0 R bott box drain
			4 62	277 37		3.0 " Top W.W. & inside box drain
12+54.9			2 95	279 04		6.1 R Top end conc. H.W.
			4 1	277 9		6.1 " gnd.
12+58.0			3 0	279 0		6.0 " "
12+62.4			8 57	273 42		2.7 R inv. 30" conc drain pipe
			8 51	273 48		2.7 R bott box drain

F.B. 2547 Pg. 19 No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
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76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		281 99				
12+63.11			29	279 1	PG 129 & 151	∡ PT. - ⊼ Line ↓ gnd over drain F.B. 2518-11 U.N. 6253.20
BM WZ 433			260	279 39	BM WZ 433, El. 279.379	F.B. 2174-8 U.J. 2057
					Whittier Blvd, N. side, at Virginia Ave, 2½"	
					Brass Disc. in cb. 16 FT. W. of ℄ prod.	
					Marked "State of Calif. Div. of Hwys."	
			corr.	279 38	BM WZ 433	
	374	283 12				
TP			1008	273 04	T.P. bott channel	
	396	277 00	(int. ⊼ Line		& ℄ Whittier 13+05.62 = 0+00 going E'ly & W'ly along Whittier)	
PG 151 0+18.9 E			27[illegible]	274 22	39.9 L or North. inv. 30" conc. drain pipe	
			3[illegible]	273 93	39.9 " bott conc. box drain - ∡ pt.	
0+12.5 - E			308	273 92	39.0 L. or North. bott box drain ∡ PT.	
	(See [illegible] 2174 - 188 & 189 For				Loc. & El. of R.C. Arch at N. p/L Whittier)	
T.P.			219	274 81	T.P. bott channel	
	9[illegible]6	284 07				
BM WZ 433			469	279 38	BM WZ-433 El. 279.379 description above	
12+65.1			Lenker Rod	278 99	⊼ LINE - Top cb.	
12+65.1				278 37	" " bott "	
12+67.8				278 47	" " - Ed. gutt.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 179
X-Sec. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "C"
Notes Chkd. ____ Checked ____ Survey by Sanpell Notes D.J. Date 12-59

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F S.	ELEV		
12+85 3				279 00	PG	⊼ Line - w/4 Whittier
13+05 62				279 38	129 & 151 int.	⊼ Line & ℄ Whittier
" "	0+00	going E'ly & W'ly			along the ℄ of	Whittier
0+20 9 E'ly				278 98	34 2 L	⊼ pt Apron.
				278 88	36 2 "	int ed gutt.
				278 68	38 2 "	bott cb.
				279 35	38 2 "	Top "
0+25 2	"		Rod	278 88	36 2 L	brk in apron
				278 43	38 2 "	bott "
				274 87	40 1 "	inv. el. 30" conc. drain pipe & bott basin
0+28 0	"	"Bell" T.M.H.		279 20	26 0 L	T.M.H. "Bell" W. Rim
-			Lenker	268 58		bott. vault at ctr.
0+30 0	"			279 47		℄ Whittier
				279 07		[illegible]9 1 R w/4
				278 57		36 2 " Ed gutt.
				278 46	bott cb	[illegible]8 2 " W. end C.R. S.W. cor.
				279 08	Top "	[illegible] 2 " " " "
				278 8		[illegible] " Top brk
				277 7		58 4 " bott "
0+44 5	"			279 00	36 2	brk apron
				278 50	38 2	bott apron
				276 [illegible]	38 [illegible]	bott catch basin

F.B. 2547 Pg. 180
Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whittwood S.D. Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
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76L-298 CE 307 11-58

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+50.2				279.10	34.2 L cor. apron.	
				279.01	36.2 L Ed gutter	
				278.82	38.2 L Bot Cb	
				279.50	38.2 L Top Cb.	
0+56.73				279.57	PG 130 & 152	℄ int. Whittier & Virginia
" "	=	0+00	going	S'ly	along the ℄ of Virginia	
0+21.3	S'ly			279.25		℄ Virginia Ave
0+42.5	"			279.09		℄ " "
0+55.1	"			279.07		℄ " "
				279.05		10.4 R 1/4 Put
				278.91		18.7 R cor. gutter
				278.82	bott cb.	20.7 R S. end C.R. S.W. cor
				279.50	Top "	20.7 R T " " "
				279.2		30.0 R Gnd
				278.0		38.0 R Gnd
0+86.0	"			279.09		℄ Virginia Ave
				279.03	10.3 L 1/4 Put	
				278.78	18.5 L cor. Gutter	
				278.65	20.5 L Bot Cb	- S. end C.R. S.E. cor.
				—	20.5 L depressed cb.	- " " "
				279.35	30.0 L P/L	

Lenker Rod

Profile Notes Red ____ Plotted ____ Job No. 6253.20 Division No. 10 F.B. 2547 Pg. 181
No. ____ Date ____ Date ____ Survey of Whittwood S.D. Line "C"
X-Sec. Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 12-59

76L-298 CE 307 11-58

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F.B. 2547 Pg. 182 Job No. 625320 Division No. 18 Notes Red Plotted Profile
Survey of Whitwood S.D. - Line "C" Date Date No. X-Sec.
Survey by Sapell Notes D.S. Notes Chkd Checked No.
Index C. Johnson Date Date Date

STATION	B. S.	H. I.	F S.	ELEV		
0+89.5	S'ly			278 81		16° R ℄ PT Ed PV.
1+25.0	"			278 98	N. Rim	℄ Virginia S.M.H.
				278 84		10° R W/4
				278 51		18' " cor. gutt.
				278 34		20' " both cb. - End.
				278 97		20' " Top " - "
				278 0		30 " P/L
			Lenker Rod	278 75	10° L W/4	
				278 51	18 " cor. gutt.	
				278 35	20 " both cb. - End.	
				279 01	20 " Top " - "	
				279 16	30 " P/L	
2+00	"			276 95		℄ Virginia
				276 87		10° R W/4
				276 54		18' " Ed gutt.
				276 36		20' " both cb.
				276 95		20' " Top "
				276 8		30 " P/L
				276 80	10 L W/4	
				276 55	18 " Ed. gutt.	
				276 34	20 " both cb.	

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
2+00	S'ly			277 51	20 ∠ Top cb.	
				2772	30 " P/L	
1+00	E'ly			27978		℄ Whittier
				27964	19 L W/4	1
			Lenker	27916	36 " Ed gutt.	
				27902	38 " bott cb.	
				27969	38 " Top "	
				2807	50 " P/L	
1+ 23.6	"	T.M.H.		27973	22.5 ∠ T.M.H. (General)	W. Rim
		—		26979	bott vault at	ctr.
1+33.5	"			28006		℄ Whittier
			Rod	27969		19 R W/4
				27929		36 " Ed gutt.
				27916	bott cb.	38 " E. end C.R. S.E. cor.
				—		38 " depressed
				27970		50 " P/L
1+74.9	"			27969		34 R cor. apron.
				27956		36 " int ed " & gutt
				27940		38 " bott cb.
				28011		38 " Top "
1+ 77.4	"			27919		38 R bott apron. at cb.

Profile Notes Red. Plotted Job No. 6253.20 Division No. 10 F. B. 2541 Pg. 100
No. Date Date Survey of Whittwood S.D. - Line "C"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes Date 12-59
No. Date Date Map No. Index C. Johnson

76L-298 S & E #307—1-56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+77.4	Elev-			274.72		41°R inv. 30" conc. pipe and bott catch basin
2+00	"			280.74		℄ Whittier.
				280.58	19' L W/4	
				280.19	36² " Ed gutt	
				280.07	38² " bott cb.	
				280.71	38² " Top "	
				280.97	50 " P/L	
2+05.6			Lenker Rod	279.85		36 R or south brk in apron
				279.45		38 " bott apron at cb.
				277.32		38.5 " bott catch basin
2+11.9	"			280.06		34° R cor. apron
				279.90		38 R int ed " & gutt.
				279.84		38 " bott cb.
				280.50		38 " top "
				280.35		50 " P/L
1+00	Wly.			279.10		℄ Whittier.
				278.06		19' R " " W/4
				278.55		38² " Ed gutt.
				278.40		38² " bott cb.
				279.05		38² " Top "
				279.6		50 " P/L

F. B. 2547 Pg. 184 Job No. 6252.20 Division No. 10 Notes Red Plotted Profile
Survey of Whittwood S.D. Line "C" Date Date No. X-Sec.
Survey by Sappell Notes Notes Chkd Checked
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
1+00	W'lk			278 69	19' L W/L	
				279 24	36² " Ed gutt	
				278 08	38² " bott ch	
				278 73	38² " Top "	
				279 00	50 " P/L	
2+00	"		Lenker Rod	278 71		℄ Whittier
				278 52		19' R W/L
				278 15		36² " Ed gutt
				278 00		38² " bott ch
				278 64		38² " Top "
				278 [illegible]		44⁸ bott [illegible]
				278 [illegible]	19' L	
				277 [illegible]	36² "	
				277 67	38² " [illegible]	
				278 [illegible]	38² "	
				278 [illegible]	50 " P/L	
3+01⁰		"General" T.M.H.		278 11	E Rim	22⁵ R T.M.H. G[illegible]
				268 26	Bott vault at	ctr.
5+[illegible]⁶		"Bell" T.M.H.		277 03	E Rim	25⁶ R T.M.H. "Bell"
				268 38	Bott vault at	ctr.

Profile Notes Red. ____ Plotted ____ Job No. 6[illegible]3.20 Division No. 10 F. B. [illegible] PG. 13[illegible]

No. ____ Date ____ Date ____ Survey of Whittwood SD - Line "C"

X-Sec. Notes Chkd. ____ Checked ____ Survey by Sarrell Notes ____ Date 12-[illegible]-59

No. ____ Date ____ Date ____ Map No. ____ Index C. Johnson

Notes Ck'd by	Survey of Whittwood SD. Line "C"
Map No.	JN 6258.20 Tape 0139 Std. 68 °F
Office Work	Surveyed by A. Vazquez N
Checked	Notes D.S. Date 12-59
Date	Indexed C. Johnson 1-7-60

F. B. 2547 PG. 197

J.N. 6258.20 PROJ NO 6572

WHITTWOOD STORM DRAIN

CENTER LINE SURVEY

OF

LINE "C"

FROM

INT. RUSSELL ST & BOUGARDUS AVE E'LY

ALONG RUSSELL ST TO VALLEY HOME AVE

party: Sappell
Shoemaker
Lieber
Caro
Clifford

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

PLEASE RETURN TO
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700 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

76F3098 SEE #247 11-58

PLEASE RETURN TO
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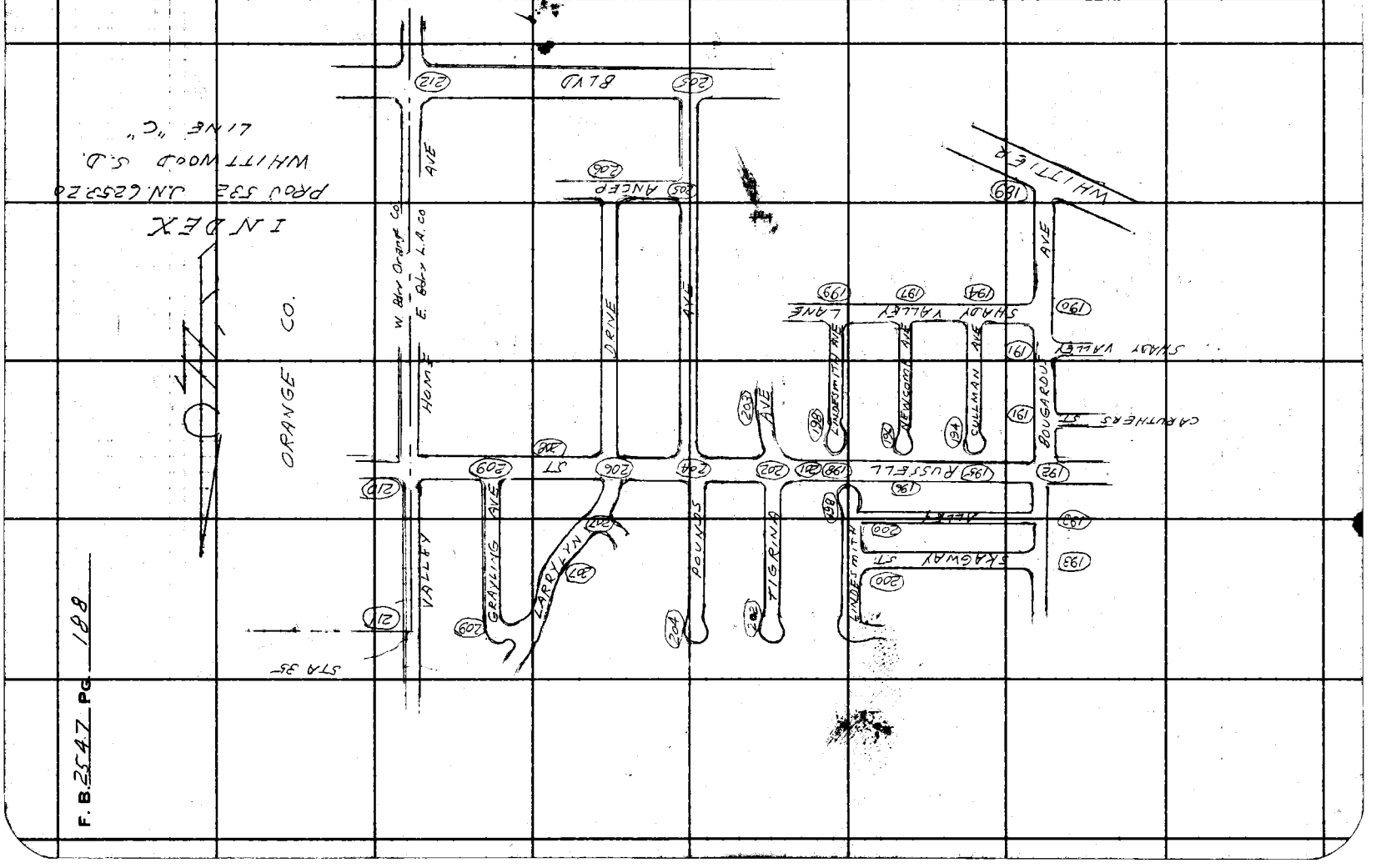
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

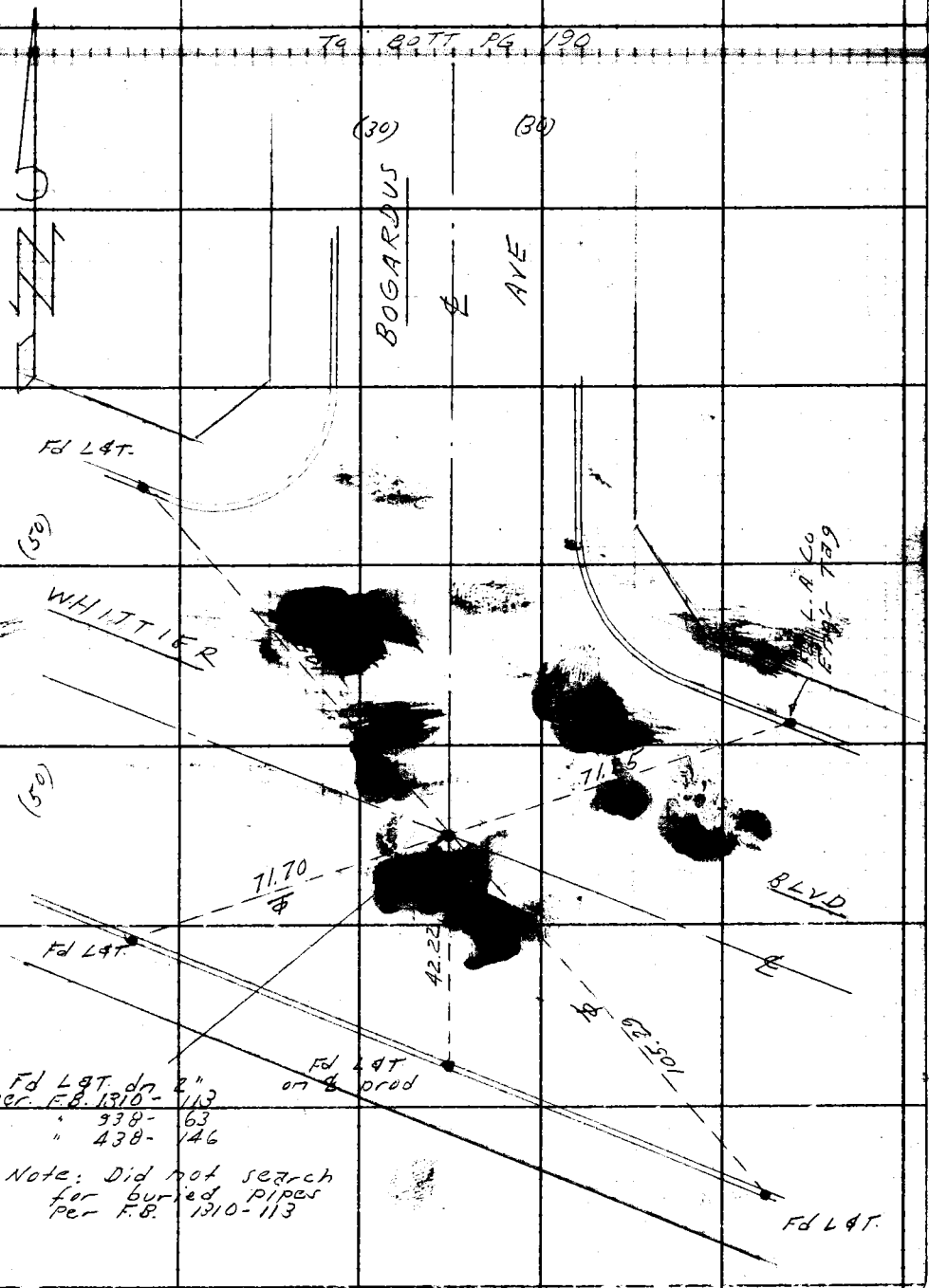
Do not extend this side of this line.



F.B. 2547 Pg. 188

W.S. 34.D-2

Notes Ck'd by H. E. AUSTIN	Survey of Whittwood S.D. - Line "C"	F. B. 2547	PG. 189
Map No.	JN 6253.20 Tape 0138 Std 68 °F		
Office Work	Surveyed by D. Sippell		
Checked	Notes D.S. Date 12-59		
Date	Indexed C. Johnson		



Fd L&T. dn 2"
per. F.B. 1310-113
" 938-63
" 438-146

Note: Did not search for buried pipes per F.B. 1310-113

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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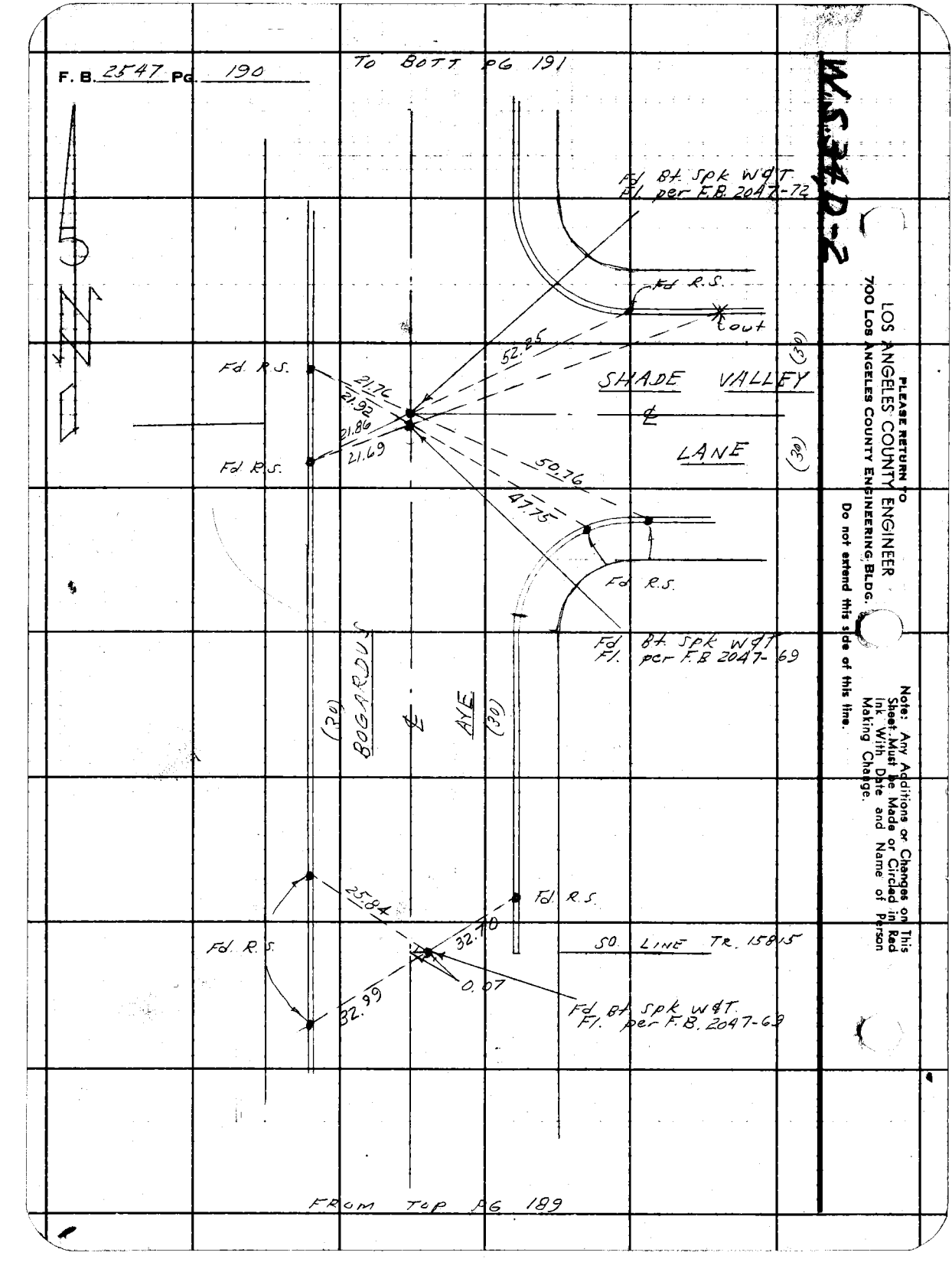
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F. B. 2547 Pg. 190

TO BOTT PG 191



FROM TOP PG 199

W.S. #D-2

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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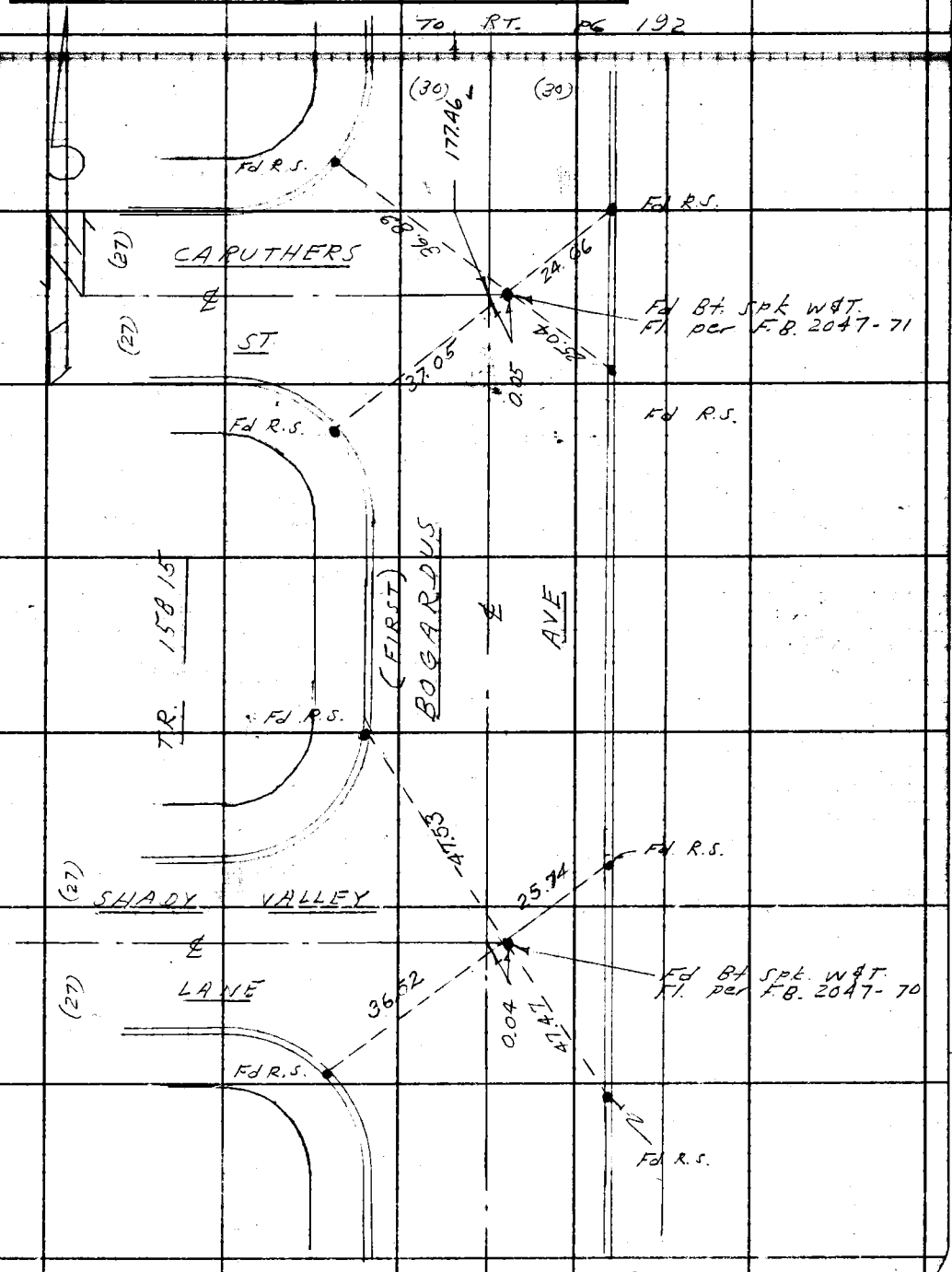
WS 34D-2

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape 0139 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 191



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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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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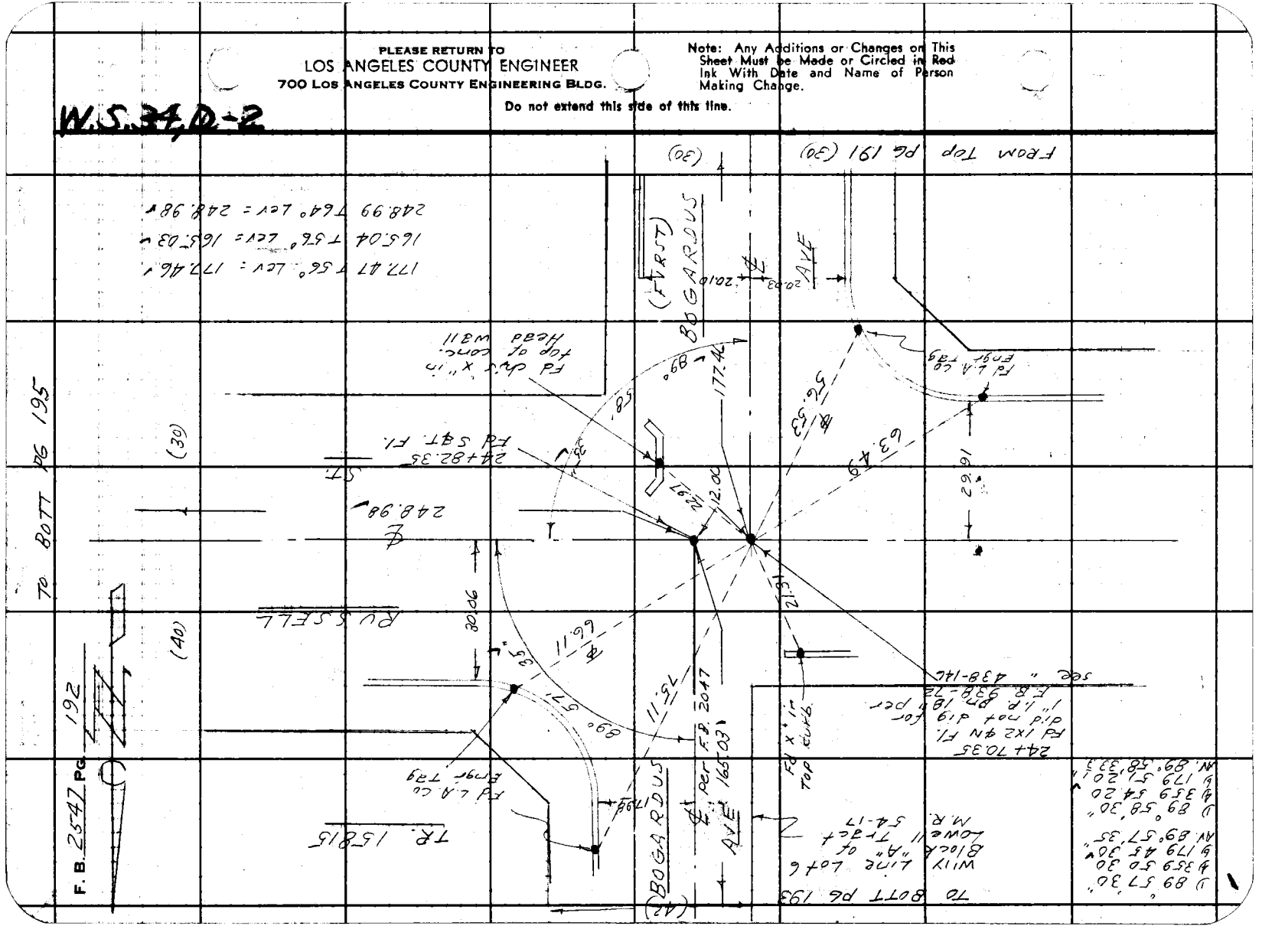
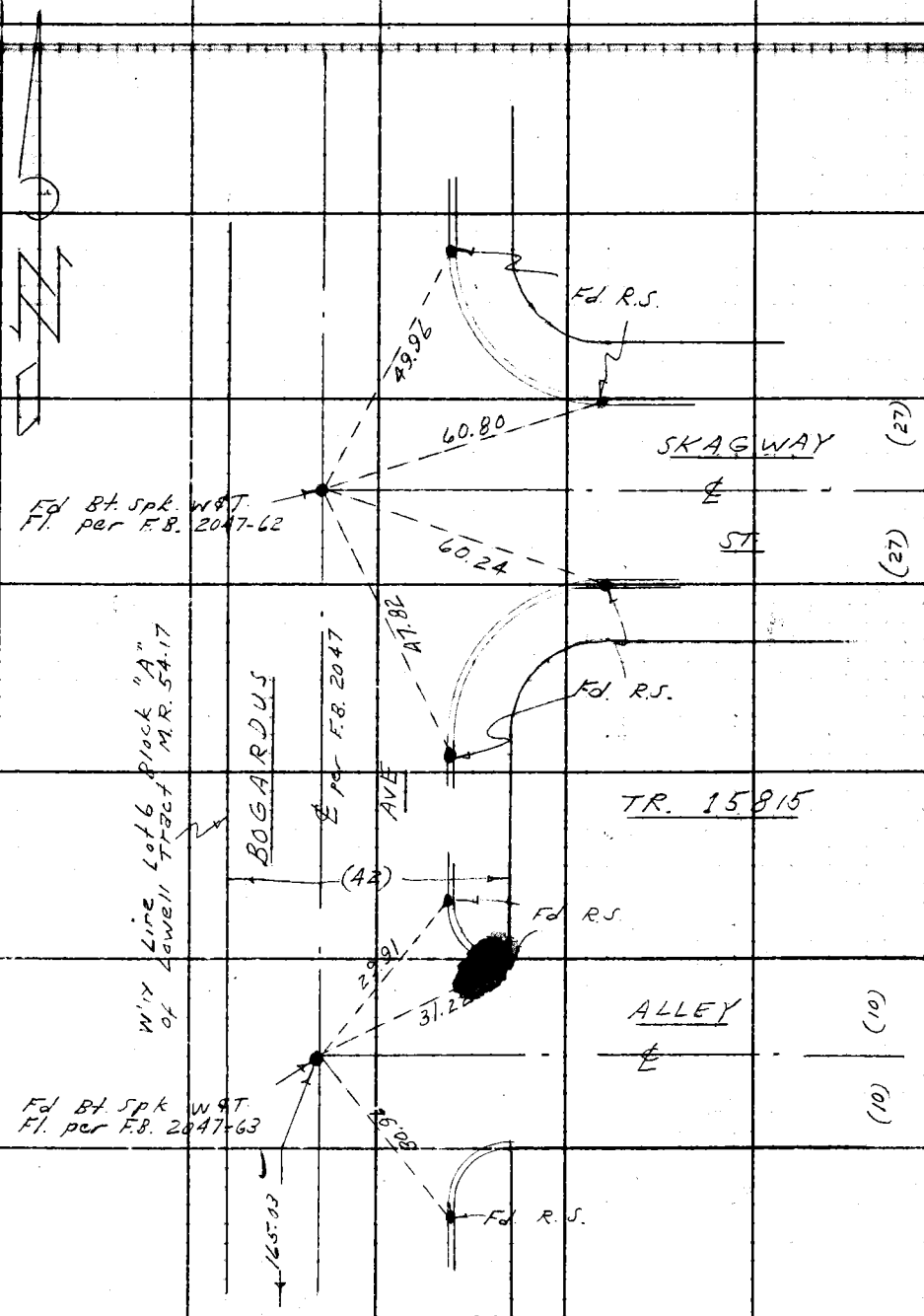
W.S. 34, D-2



W.S. 34, C-2

Notes Ck'd by	Survey of Whitwood S.D. - Line "C"
Map No.	JN 6253.20 Tape 0133 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-.-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 193



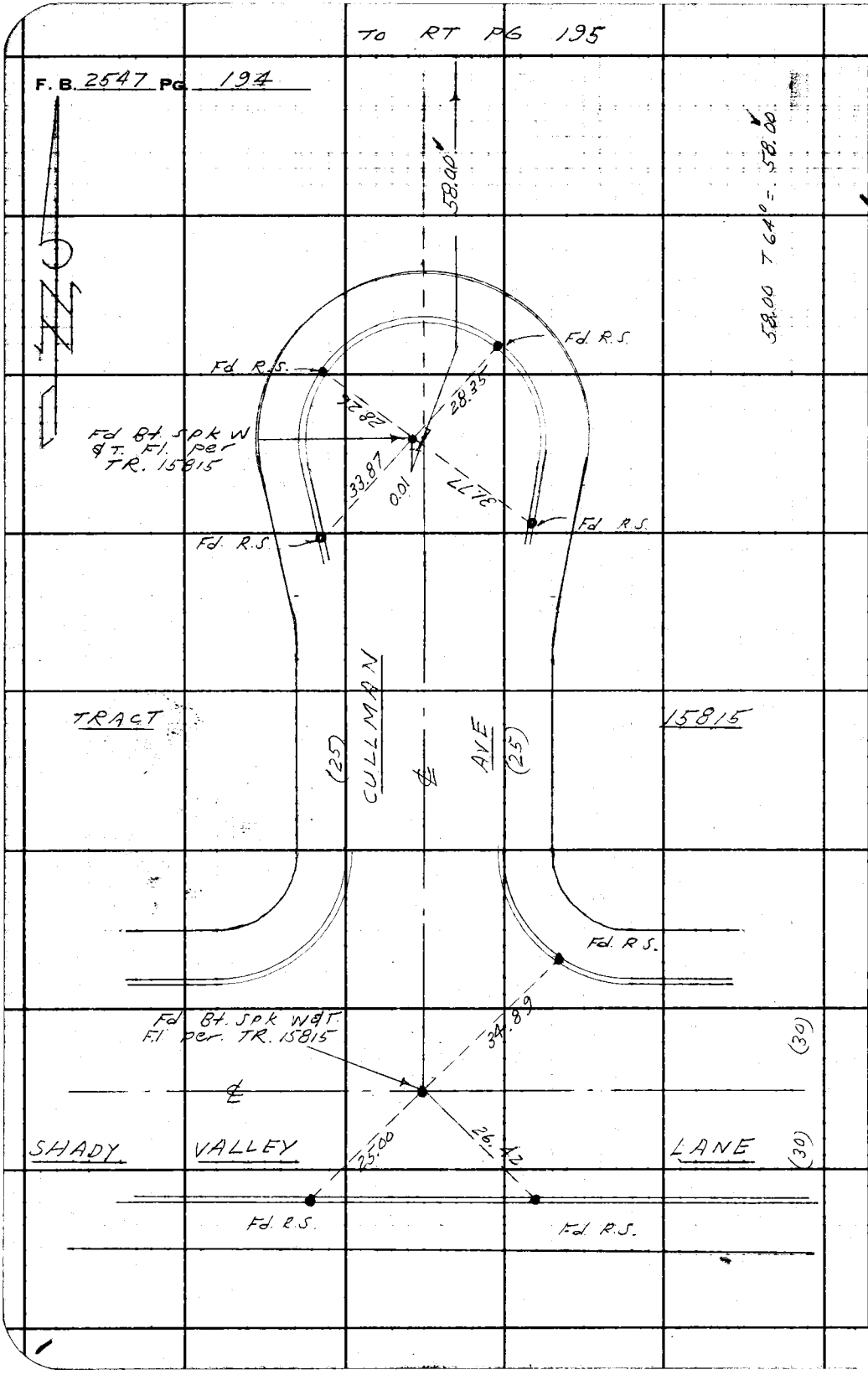
FROM LFT PG 192

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76F309S S&E #247 11-58



W.S. 34 D-2

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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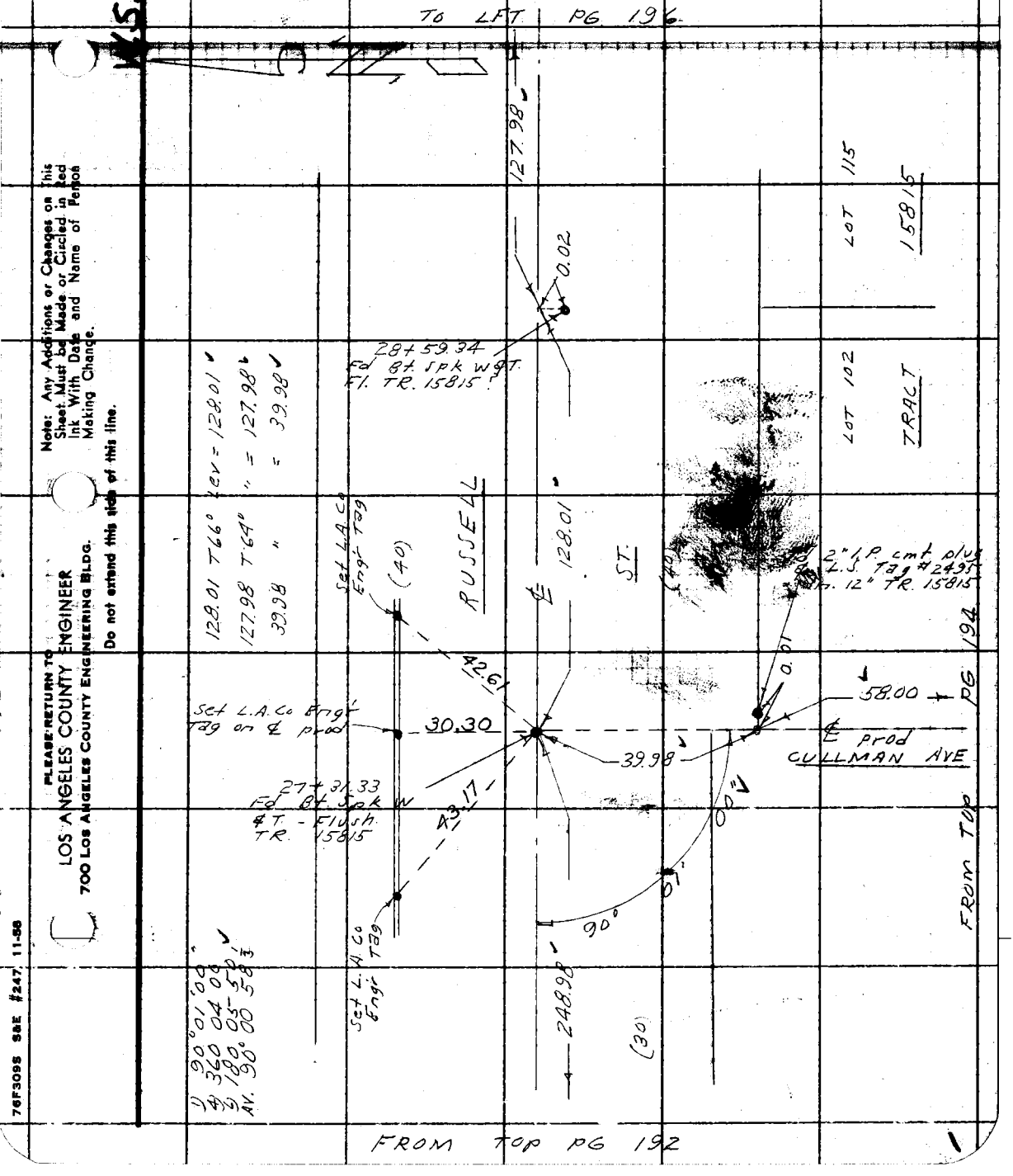
W.S. 34D-2

Notes Ck'd by H. E.	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape 013.8 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-[illegible]-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 195



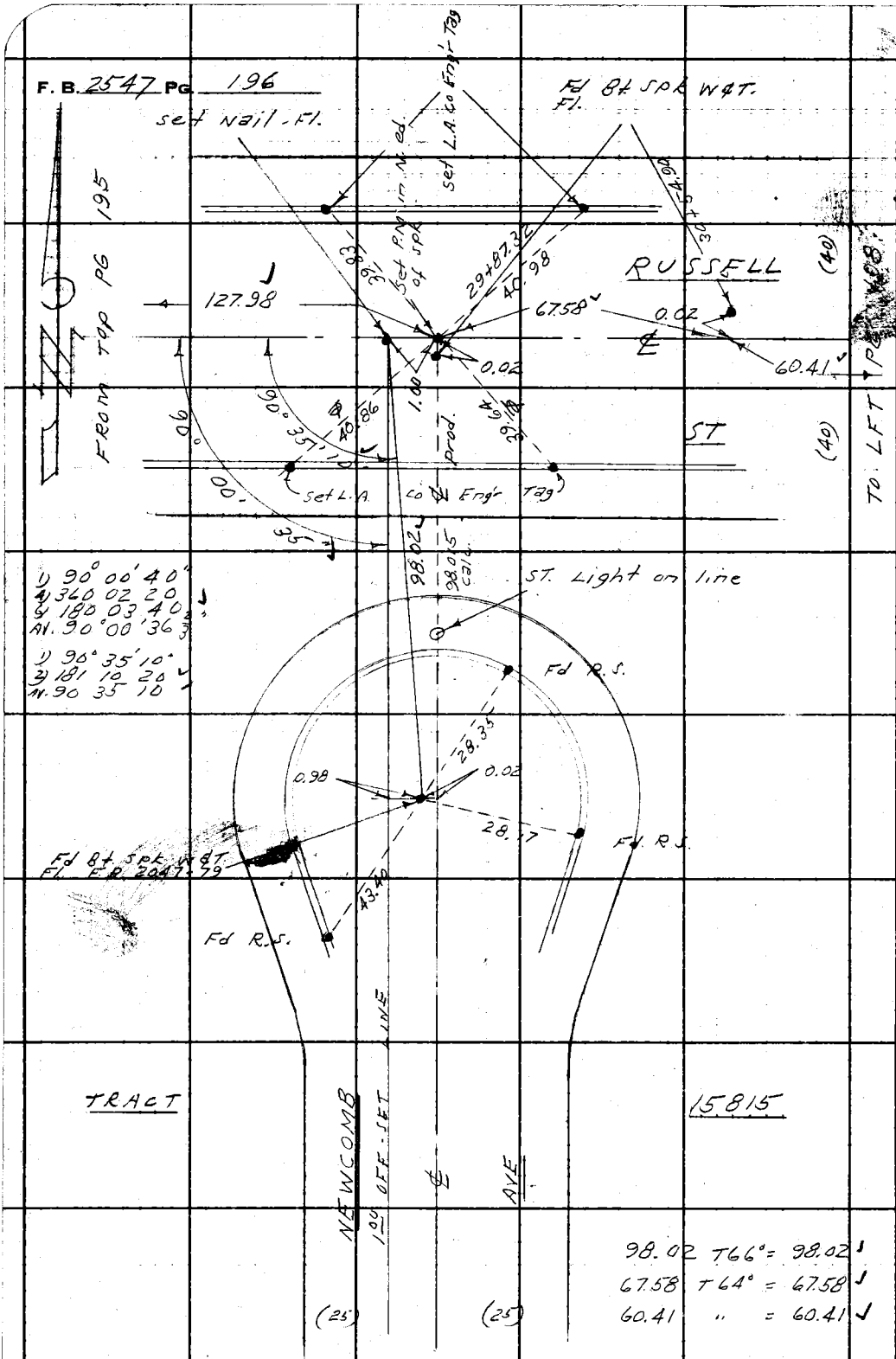
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76F309S S&E #247 11-58

F. B. 2547 PG. 196



1) 90° 00' 40"
4) 360 02 20
6) 180 03 40
AV. 90° 00' 36 2/3

1) 90° 35' 10"
2) 181 10 20
AV. 90 35 10

98.02 T66° = 98.02
67.58 T64° = 67.58
60.41 " = 60.41

W.S. 34.0-2

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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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.

TO TOP PG 197

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

Survey of Whitthwood S.D. - Line "C"
J.N. 6252.20 Tape 0/33 Std. 68 °F
Surveyed by D. Jaspelt
Notes D.S. Date 12-59
Indexed C. Johnson

F. B. 2547 Pg. 197

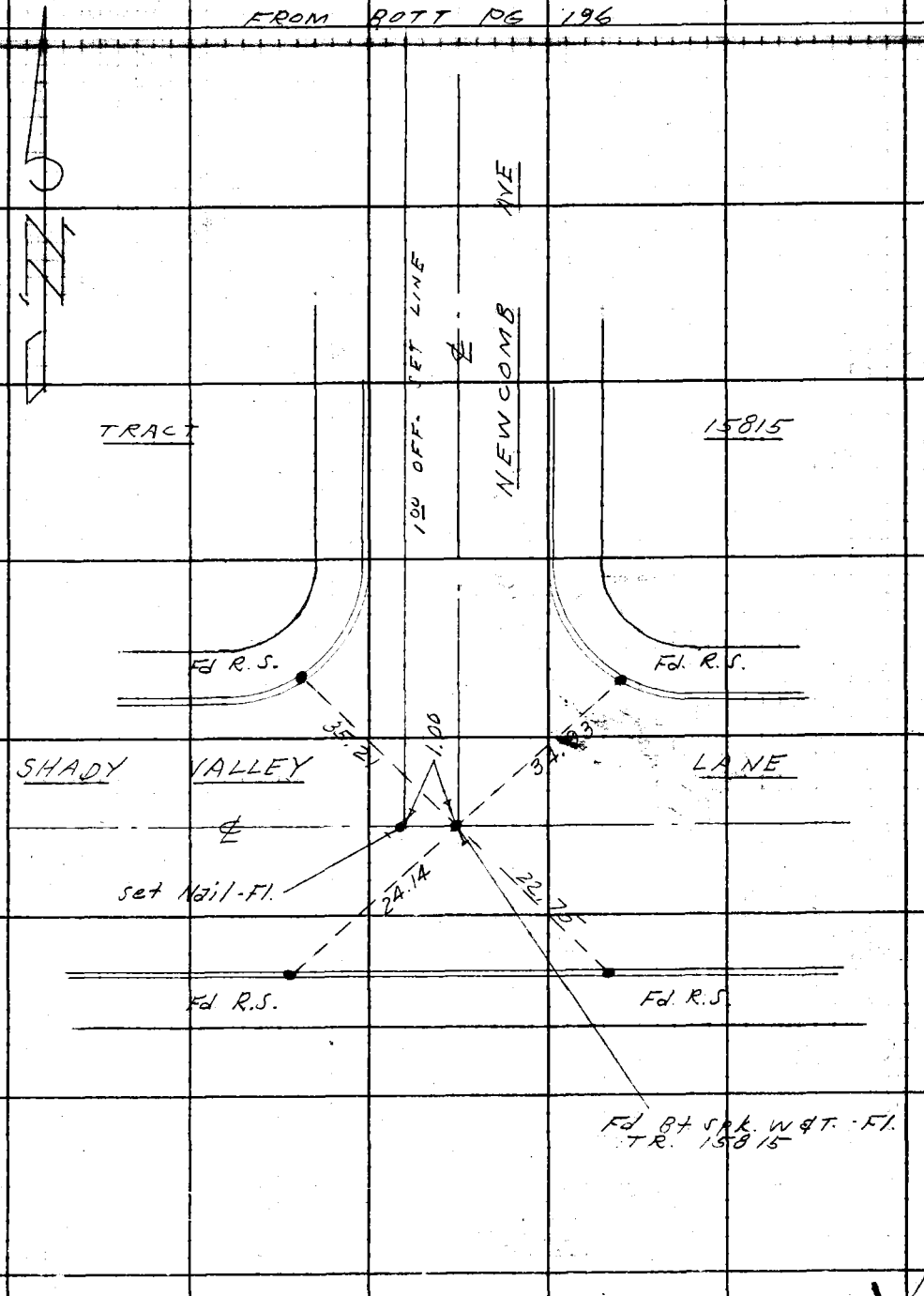
M.S. 34 D-2

FROM ROTT PG 196

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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.



76F3098 SSE #247 11-58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
7100 LOS ANGELES COUNTY ENGINEERING BLDG.

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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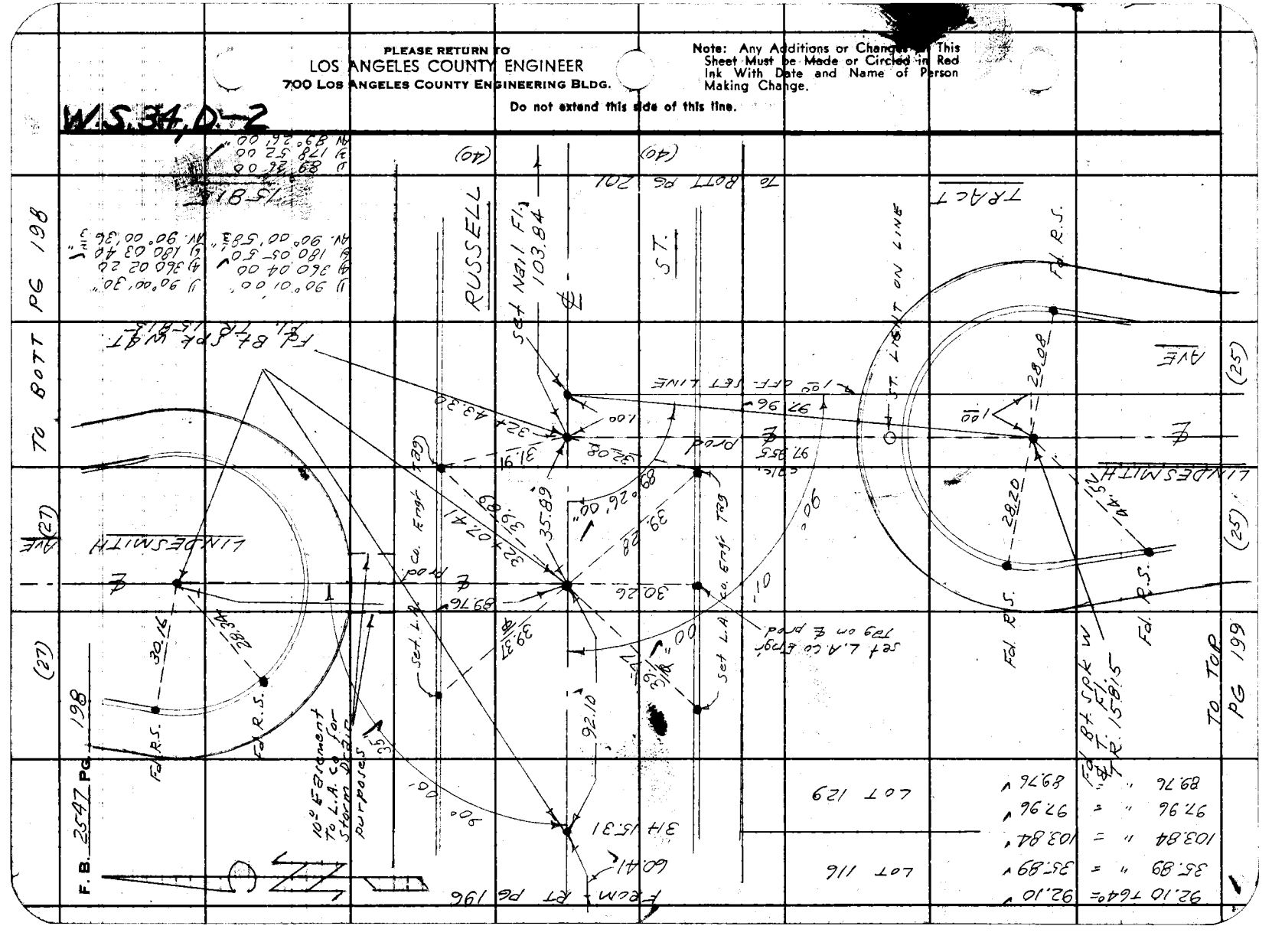
W.S. 34, D-2

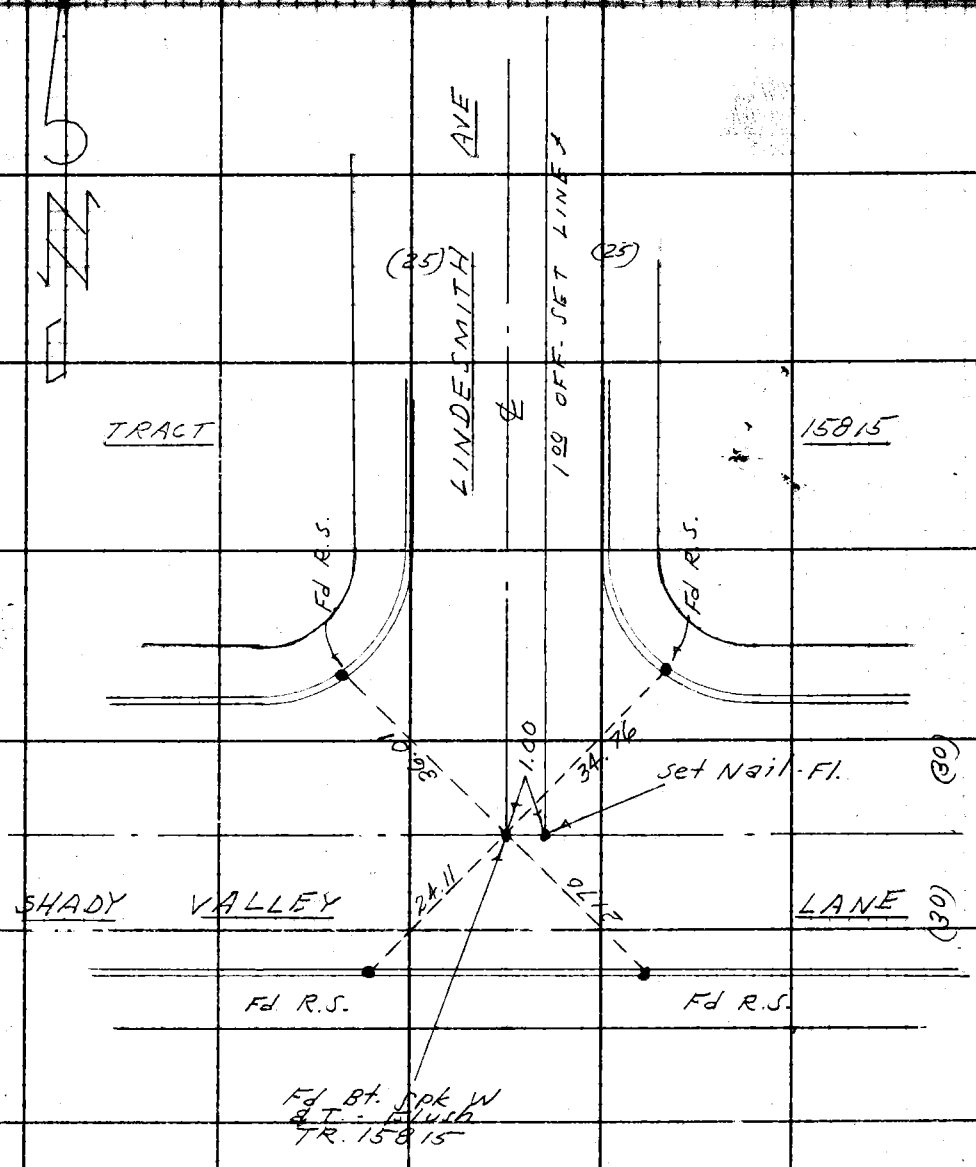


W.S. 34D-2

Notes Ck'd by H. E. AUSTIN	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape [illegible] Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 199

FROM BOTT PG 198



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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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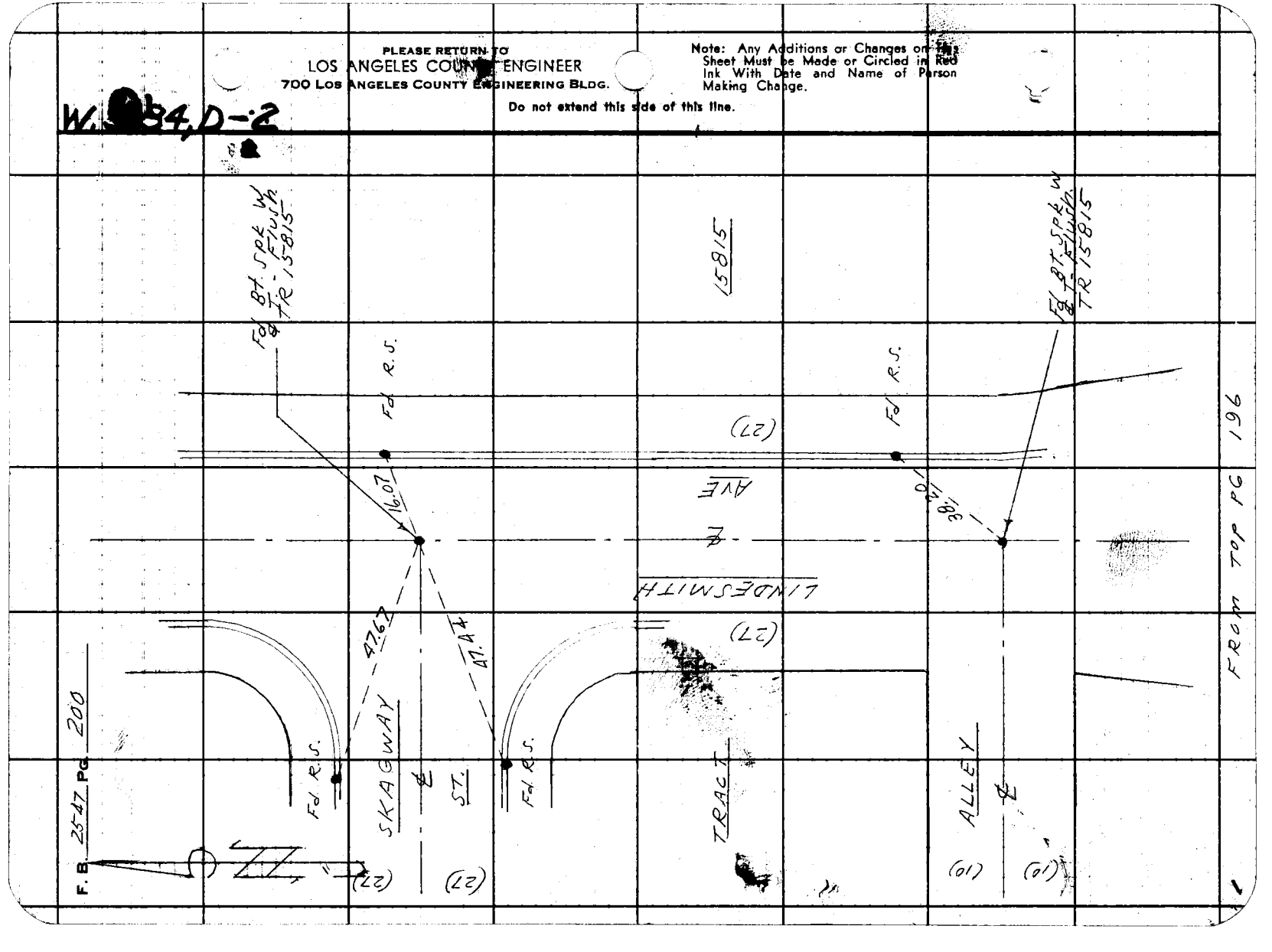
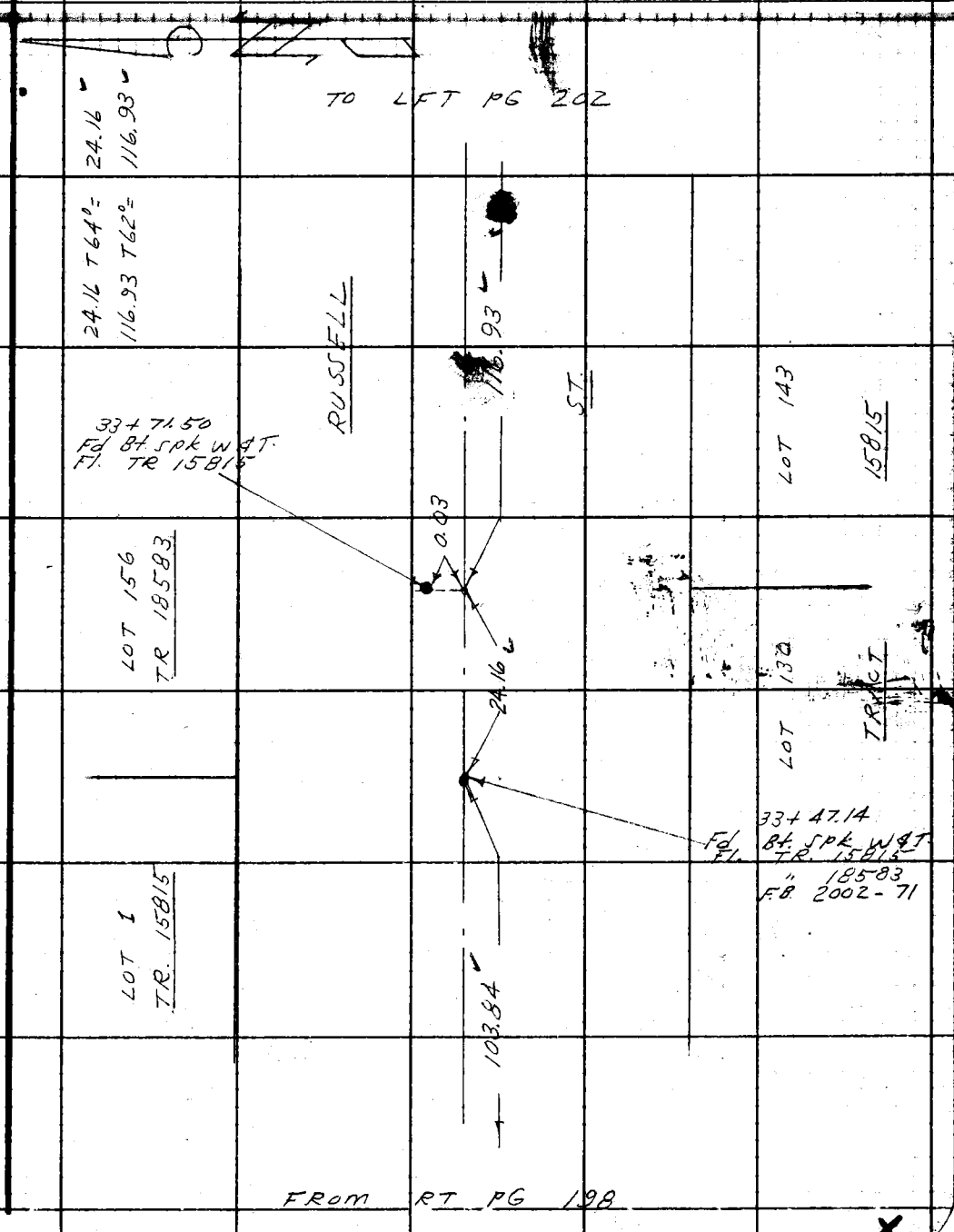
W.O. 84,D-2



Notes Ck'd by H. E. [illegible]	Survey of Whittwood Sd. - Line "C"
Map No.	JN 6253.20 Tape 0130 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed [illegible] C. Johnson

F. B. 2547 PG. 201



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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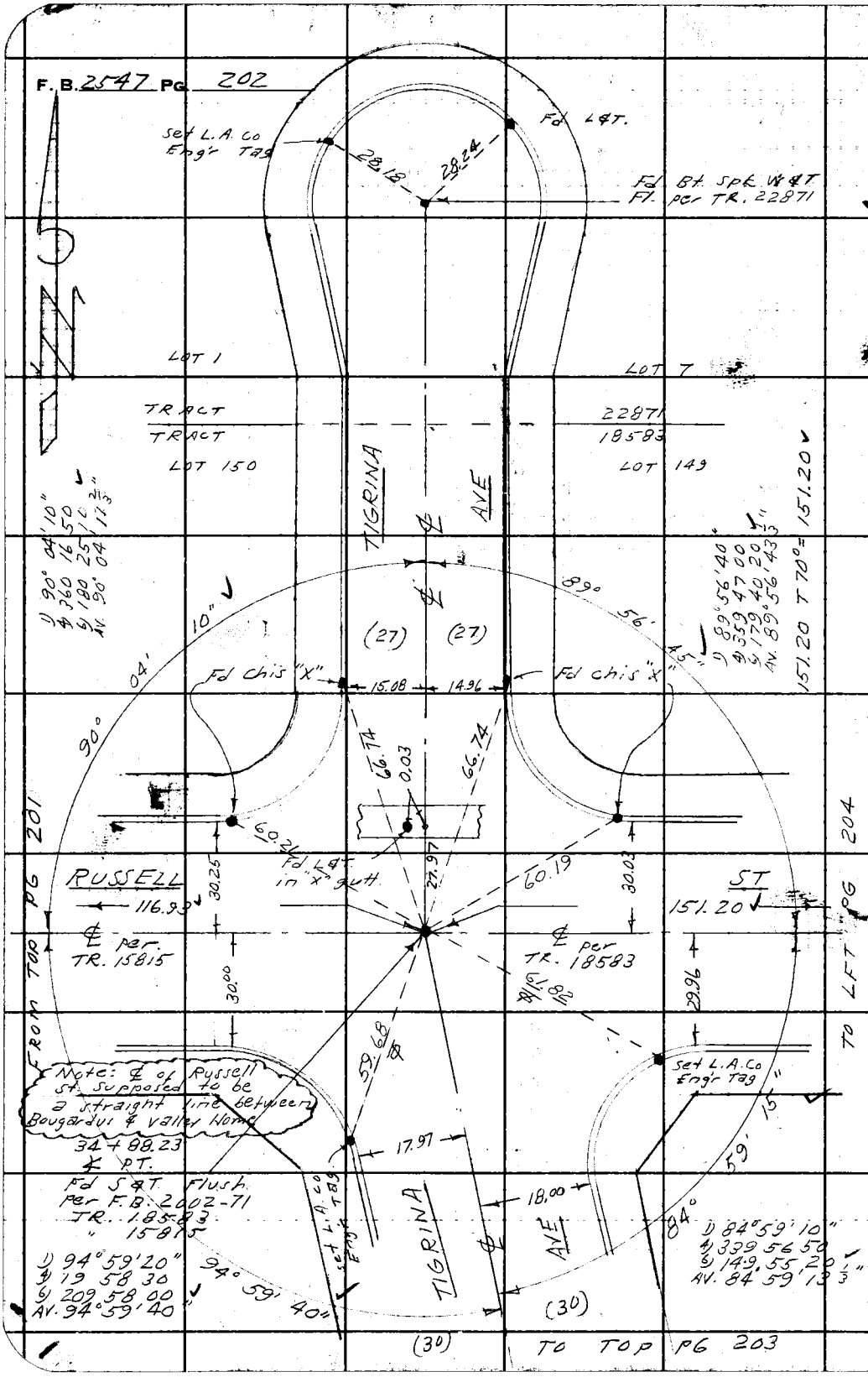
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58



W.S. 34, D-2

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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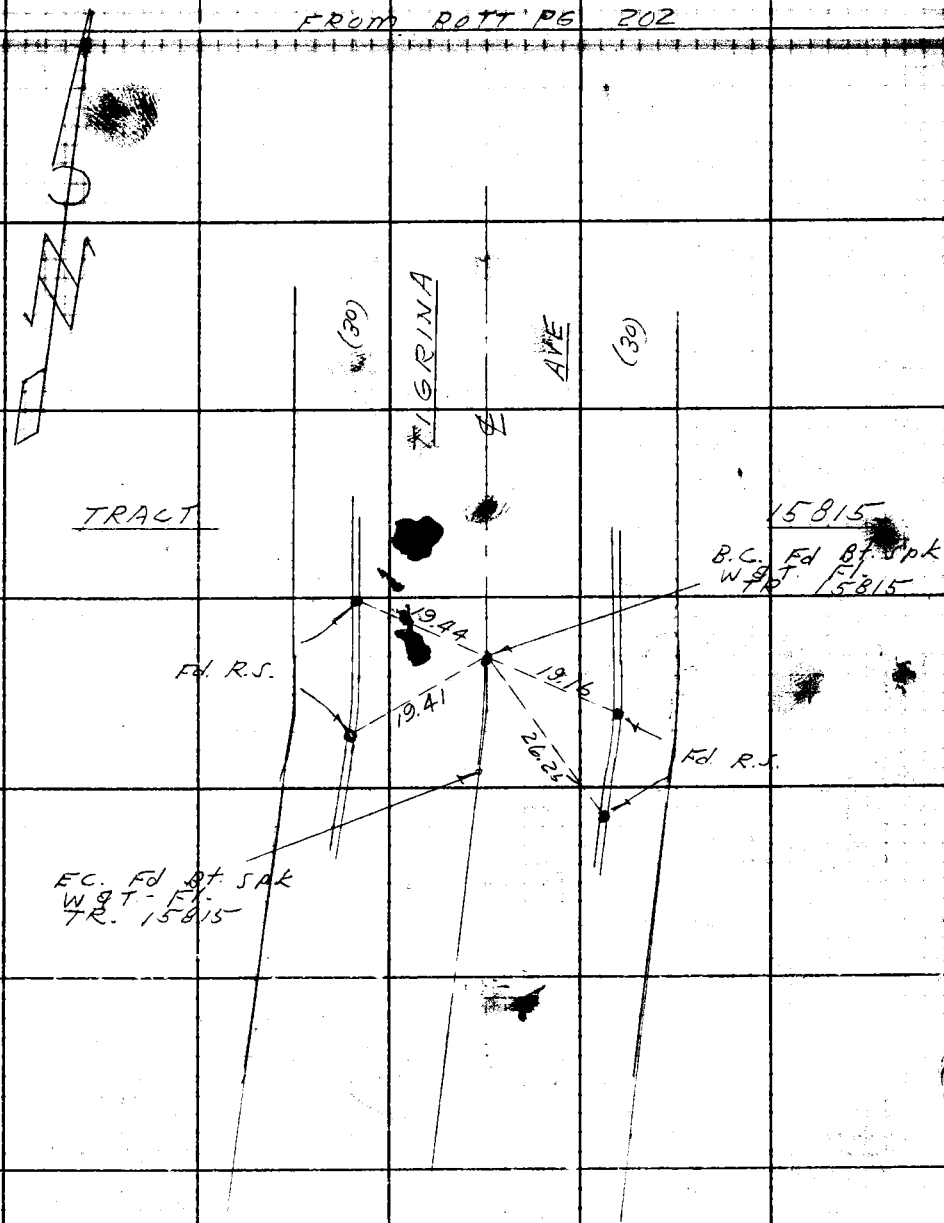
W.S.34.D-2

Notes Ck'd by H. E. AUSTIN	Survey of Whittwood S.D. Line "C" F. B. 2547 PG. 263
Map No.	JN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

FROM ROTT PG 202



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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

F. B. 2547 PG 204

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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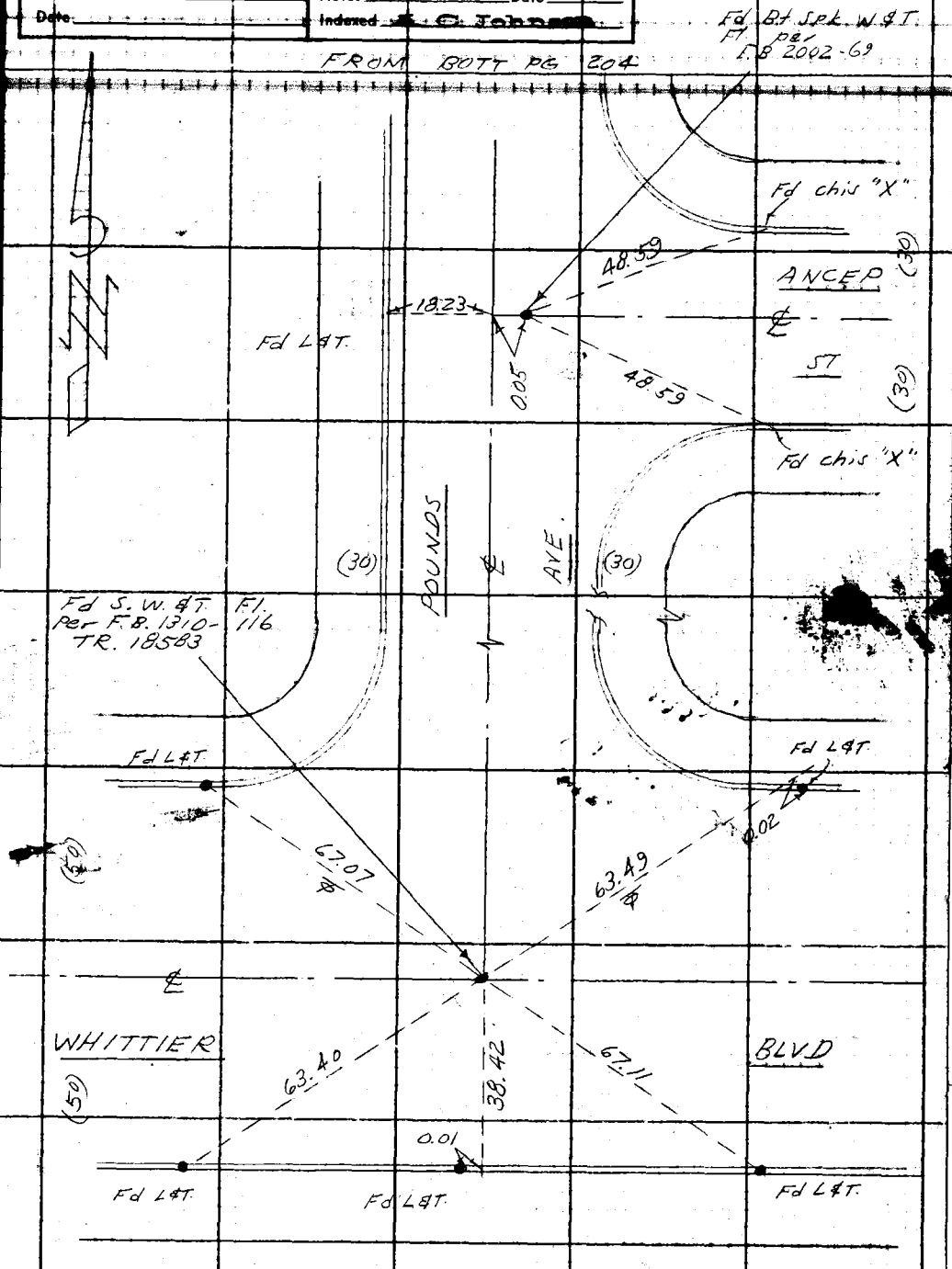
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

WAS 34A-2

Notes Ck'd by H. E. AUSTIN	Survey of Whittwood S.D. - Line "C"	F. B. 2547 PG. 205
Map No.	IN 6253.20 Tape 0.138 Std. 68 °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 12-59	
Date	Indexed [illegible]	

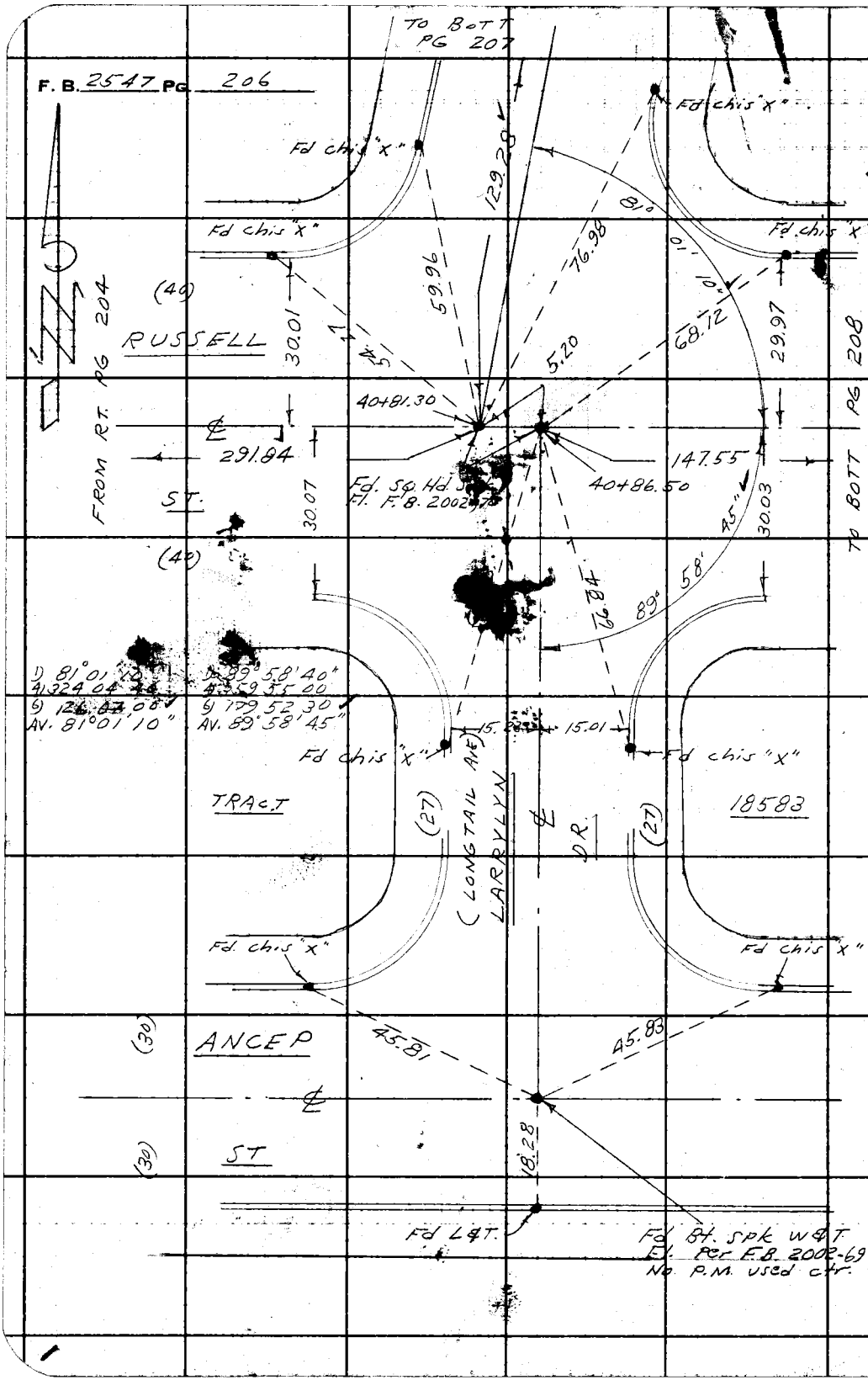


Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F309S S&E #247 11-58

F. B. 2547 PG. 206



W.S. 34 D-2

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

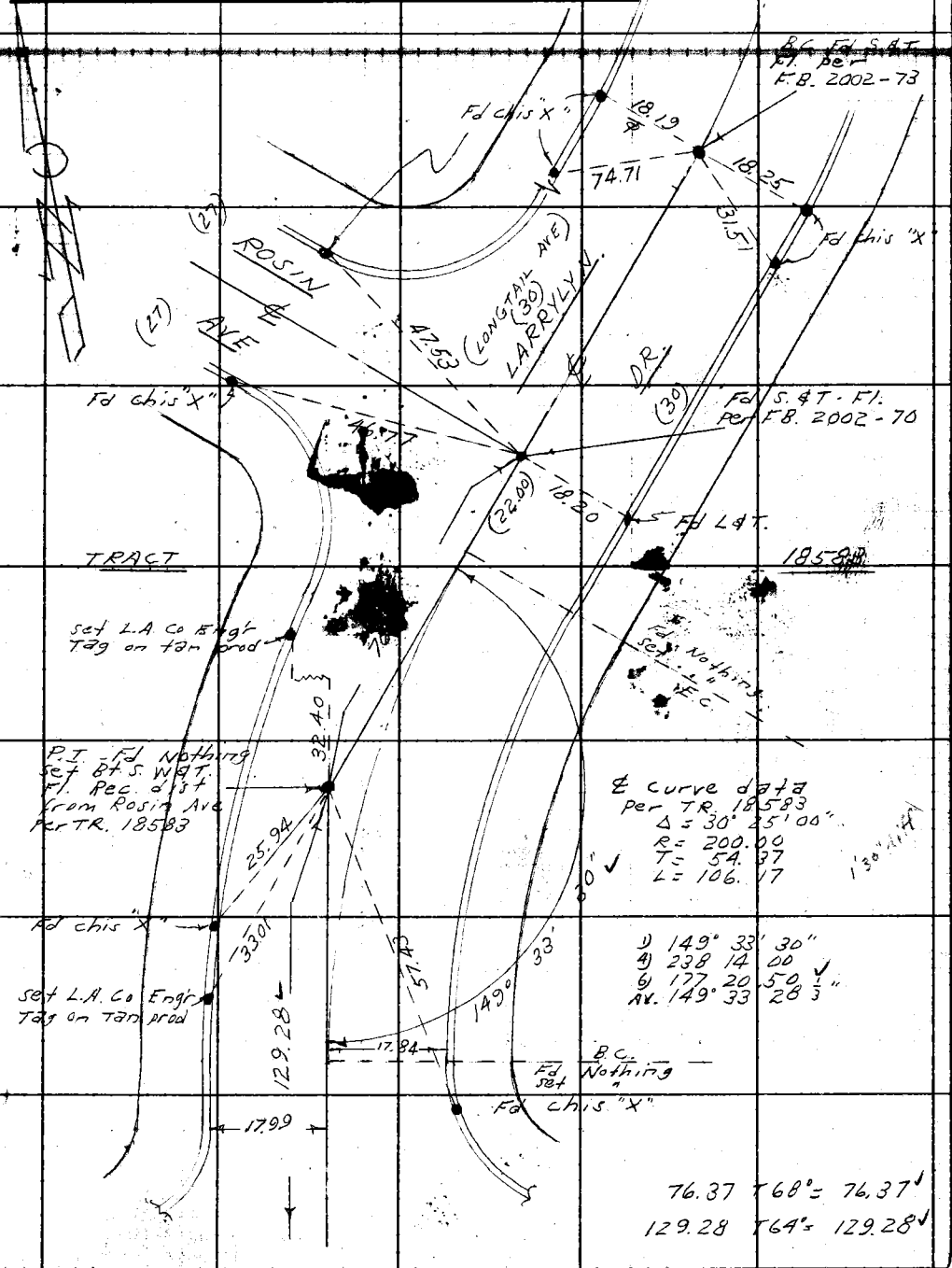
Do not extend this side of this line.

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

W.S. 34 D-2

Notes Ck'd by [illegible]	Survey of Whittwood S.D. - Line "C"
Map No.	JN 6253.20 Tape 0138 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 207



℄ curve data per TR. 18583
Δ = 30° 25' 00"
R = 200.00
T = 54.37
L = 106.17

1) 149° 33' 30"
4) 238 14 00
6) 177 20 50
AV. 149° 33' 28 1/3"

76.37 T68° = 76.37
129.28 T64° = 129.28

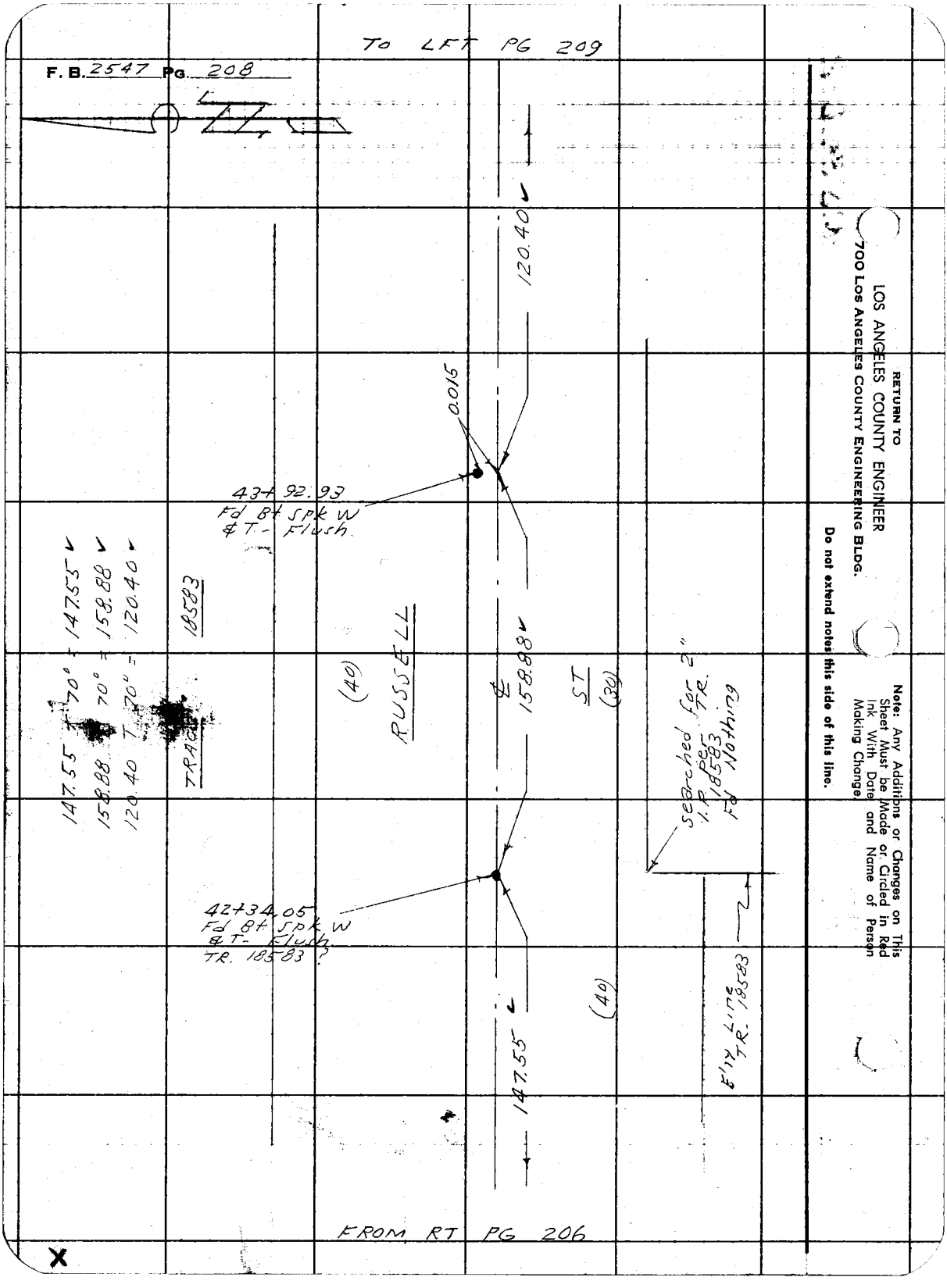
FROM TOP PG 206

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
1100 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-53

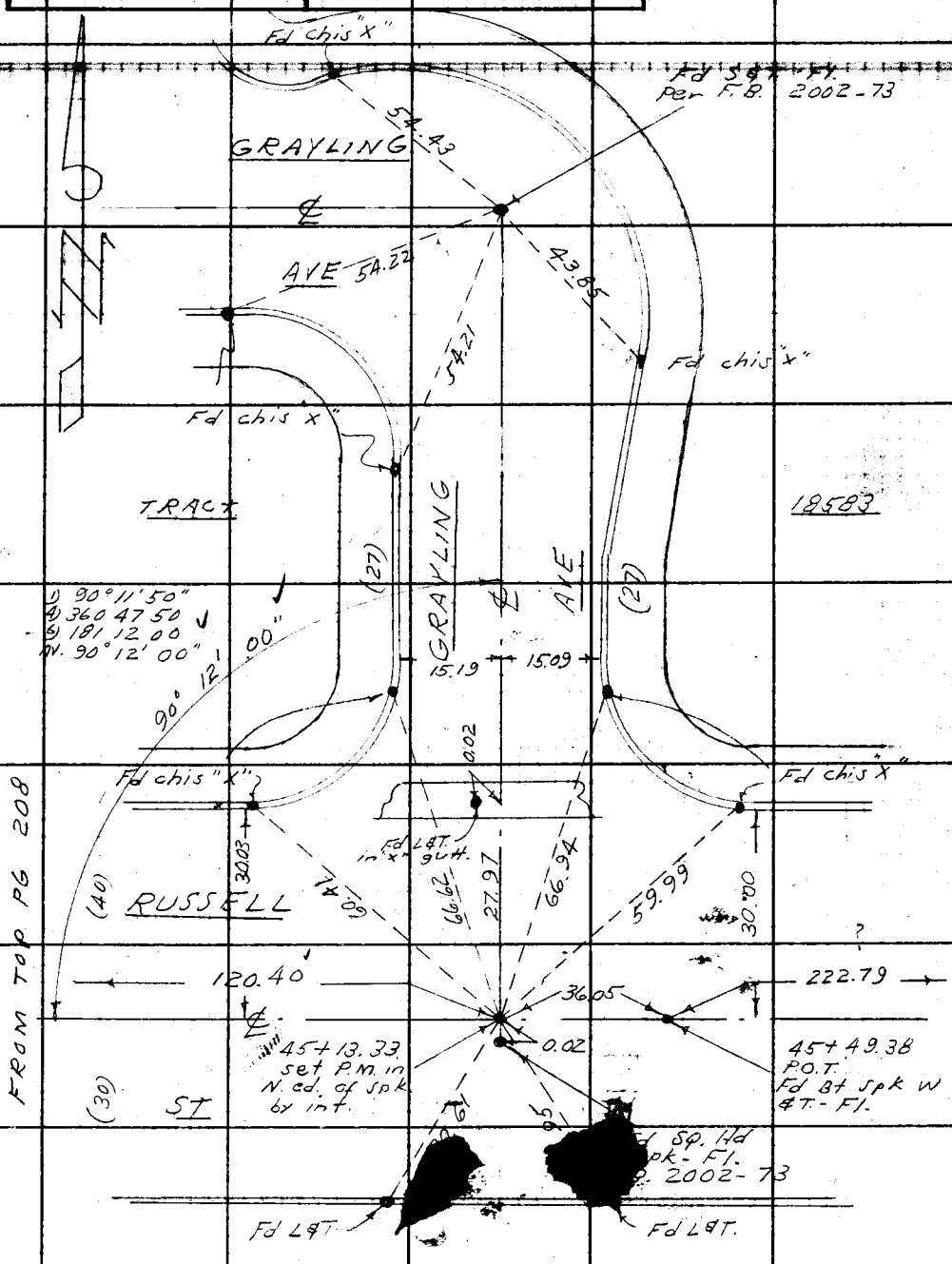


TO LFT PG 209
F. B. 2547 PG. 208
120.40
0.015
43+92.93
Fd Bt Spk W
& T - Flush
147.55 + 70° = 147.55
158.88 + 70° = 158.88
120.40 + 70° = 120.40
18583
TRACT
(40)
RUSSELL
℄
158.88
ST
(30)
Searched for 2"
I.P. per TR.
18583
Fd Nothing
42+34.05
Fd Bt Spk W
& T - Flush
TR. 18583 ?
(40)
147.55
E'ly Line
TR. 18583
FROM RT PG 206
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

W.S.34.D-2

Notes Ck'd by	Survey of Whittwood S.D-Line "C"
Map No.	JN 6253.20 Tape 013A Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 209

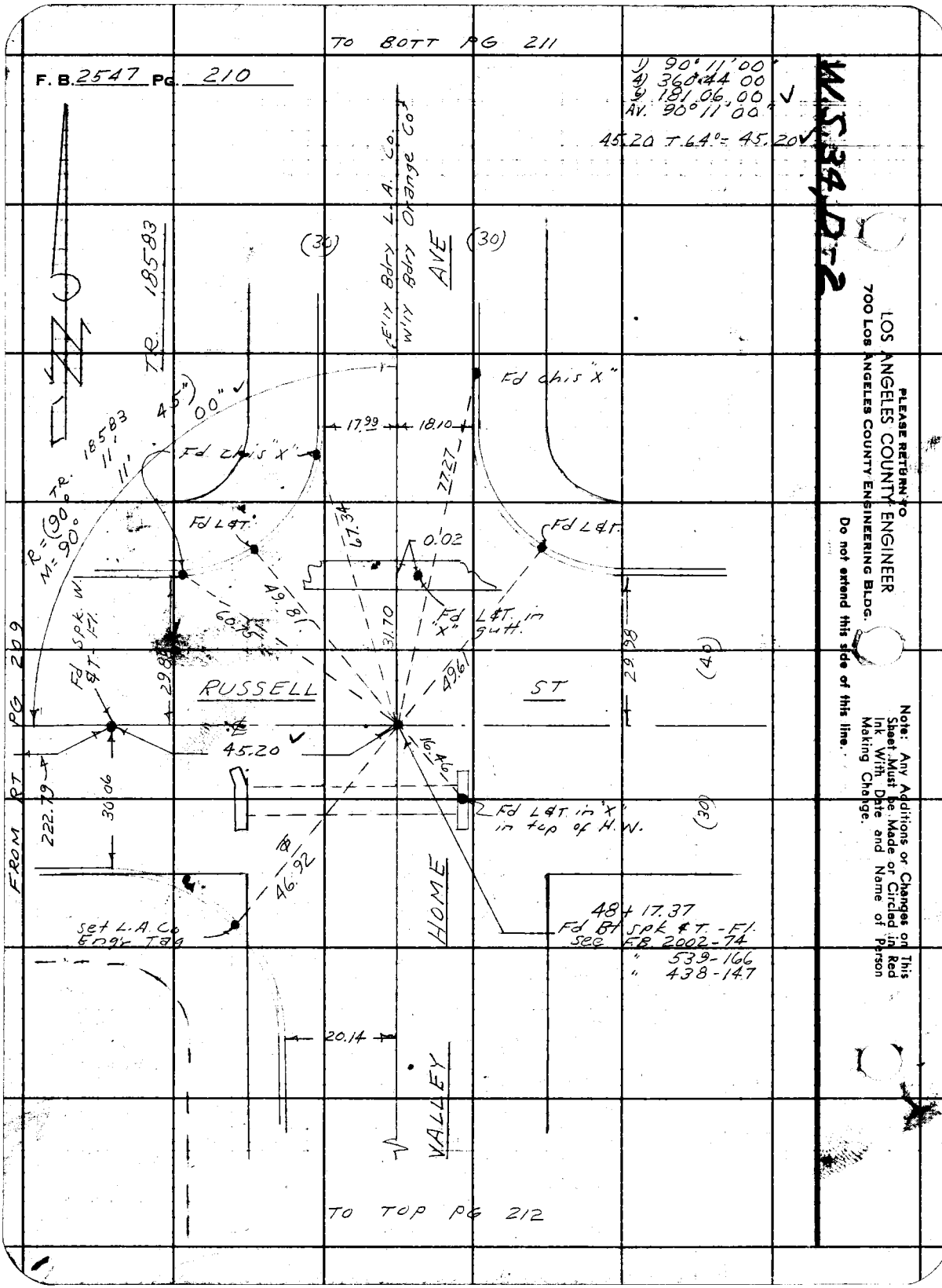


Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

76F309S S&E #247 11-58



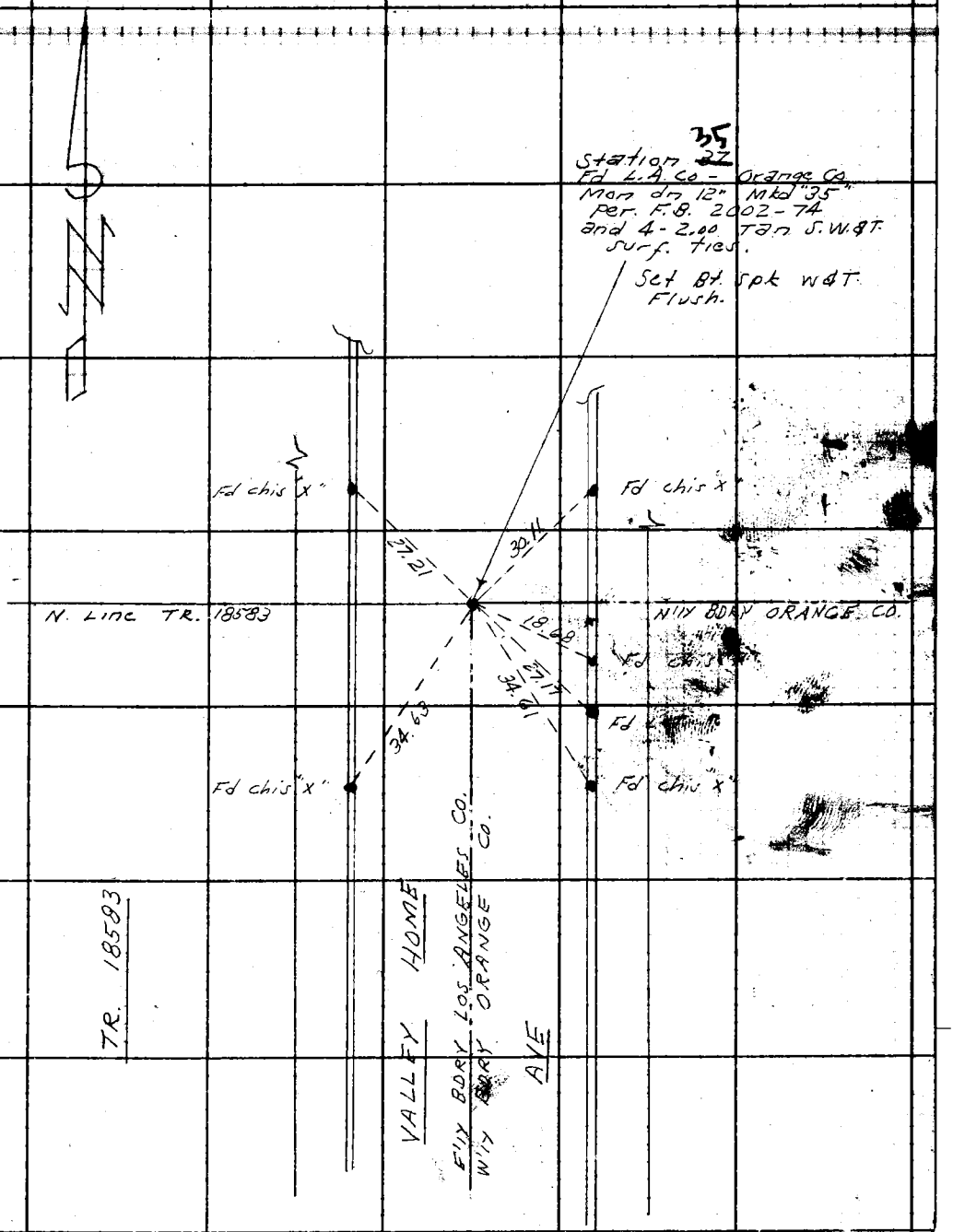
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

W.S. 34 D-2

Notes Ck'd by	Survey of Whittwood S.D. - Line "C"
Map No.	JN 6253.20 Tape C13 Std 68 °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 211



FROM TOP PG 210

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S S&E #247 11-58

PLEASE RETURN TO
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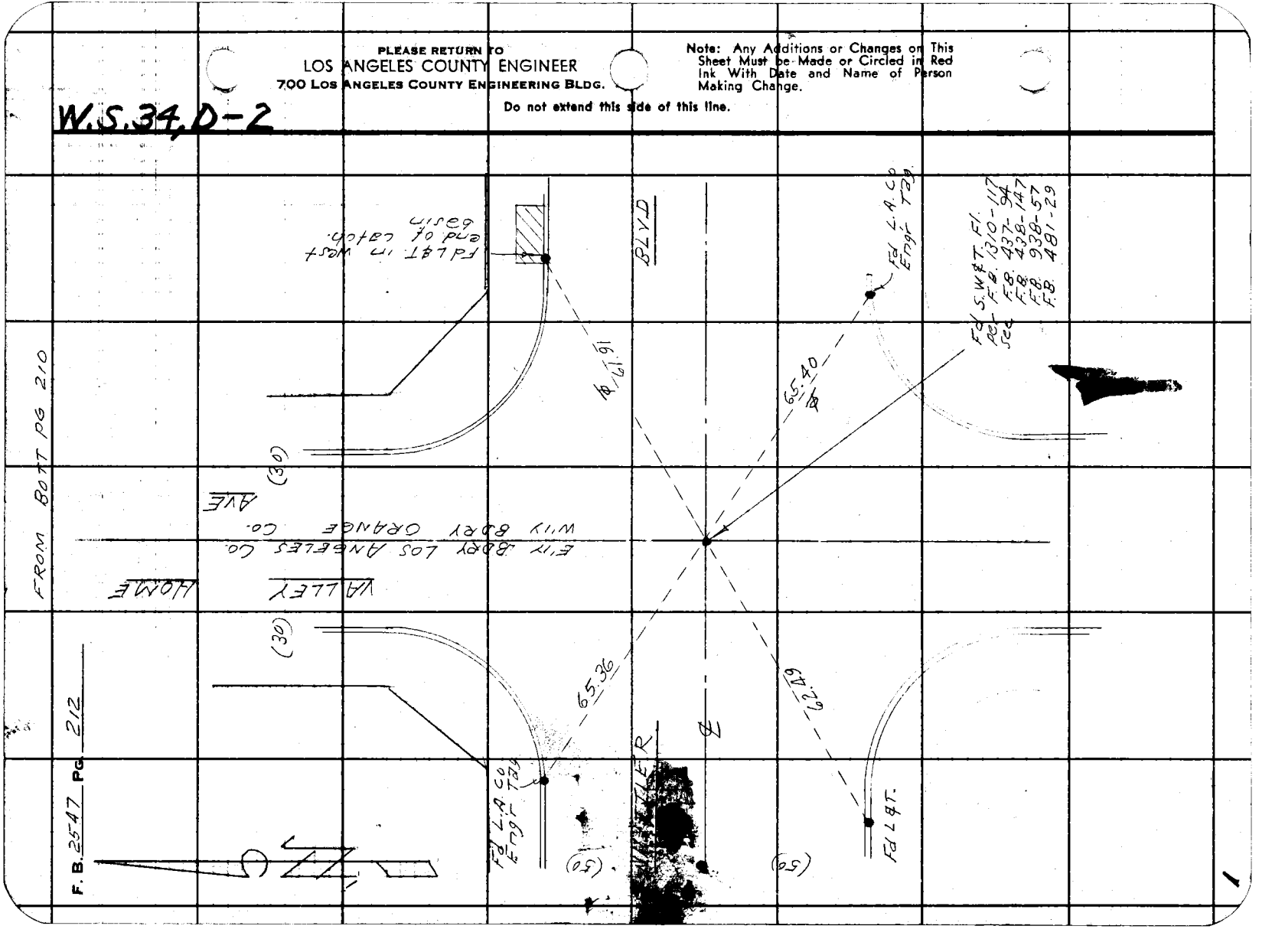
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.

W.S. 34, D-2



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

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

F. B. _____ PG. _____

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

PGS. 213 TO 222

OPEN

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700 Los Angeles County Engineering Bldg.

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76F309S S&E #247 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.

F. B. _____ PG. _____

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

Survey of Whitwood S.D. Line "C"
JN 6253.20 Tape Std °F
Surveyed by D. Sappell
Notes C.E. Shoemaker Date 12-59
Indexed A. C. Johnson 1-7-60

F. B. 2547 Pg. 223

J.N. 6253.20 PROJ No 582

WHITTWOOD STORM DRAIN

LOC. OF IMP.

OF

LINE "C"

FROM

INT RUSSELL ST. & BOGARDUS AVE E'LY ALONG RUSSELL ST. TO VALLEY HOME AVE.

Party: Sappell
Shoemaker
Lieber
6750

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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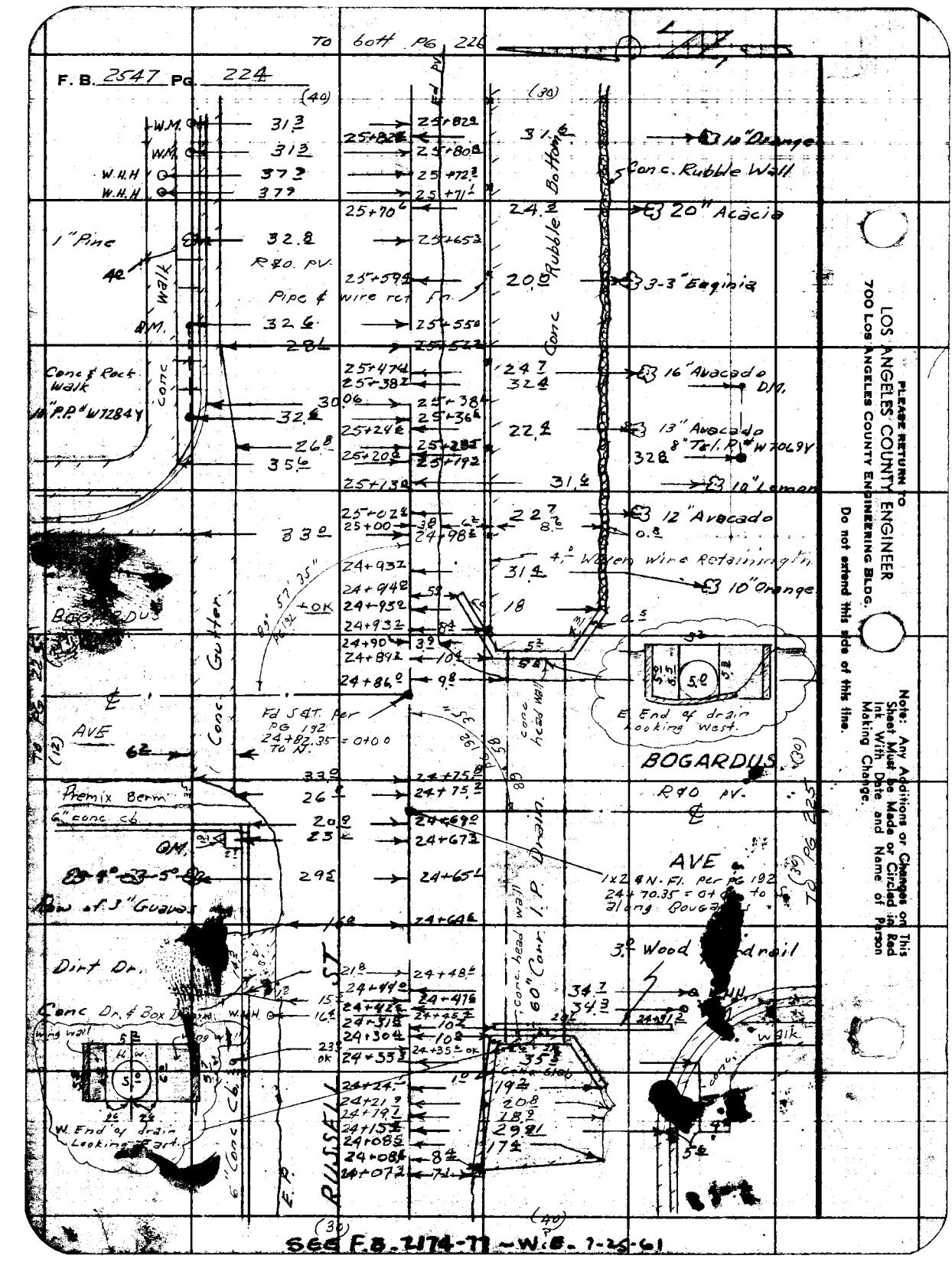
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

76F309S S&E #247 11-58


To 60th PG 226
F. B. 2547 Pg. 224
(40)
(30)
W.M.
W.H.H
31.3
31.3
37.3
37.7
1" Pine
32.8
R80. P.V.
Pipe & wire ret fn.
32.6
28.4
Conc & Rock Walk
"P.P." W7284Y
30.6
32.4
26.8
35.6
83.0
Bogardus
Conc Gutter
Fd. 57.35" R 192
+0K
AVE
62
Conc
Premix Berm
6" conc cb
20.9
25.4
29.2
Box of 3" Guava
Dirt Dr.
Conc Dr. & Box
W.H.H.
W. End of drain Looking East
6" Conc CB
E.P.
RUSSELL ST
25+82.9
25+80.8
25+72.3
25+71.1
25+70.6
25+65.3
25+59.8
25+55.0
25+52.2
25+47.4
25+38.2
25+38.4
25+36.6
25+24.8
25+28.5
25+20.8
25+19.2
25+13.0
25+02.4
25+00
24+98.2
24+93.7
24+94.8
24+93.2
24+90
24+89.2
24+86.0
24+75.8
24+75.2
24+69.2
24+67.2
24+65.1
24+64.6
24+48.4
24+44.0
24+42.6
24+45.7
24+41.8
24+31.8
24+30.4
24+35.5 ok
24+24.1
24+21.9
24+19.7
24+15.5
24+08.5
24+08.4
24+07.2
Bo Hoya
Conc Rubble
Conc
31.6
24.2
20.1
24.7
32.4
22.4
31.4
22.7
31.4
18
Conc Head Wall
Fd SAT. Per PG 192 24+82.35 = 0+00 To N.
Conc Head Wall
60" Conc.
I.P.
Conc. Head Wall
10" Orange
Conc Rubble Wall
20" Acacia
3-3" Eugenia
16" Avocado
DM.
13" Avocado
8" Tel. P. W7069Y
328
10" Lemon
12" Avocado
4.0 Woven Wire Retaining Wall
10" Orange
E End of drain Looking West
BOGARDUS
R40 PV.
AVE
1x2 4N. Fl. per PG 192 24+70.35 = 0+00 to along Bougainvillea
3.2 Wood Guardrail
34.7
34.3
24+91.2
walk
5.6
192
20.8
18.9
29.81
17.2
SEE F.B. 2174-11 - W.E. 7-26-61
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.
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
Map No.
Office Work
Checked
Date

Survey of White Wood S.D. Line "C"
JN 625-J-20 Tape Std °F
Surveyed by D. Copeland
Notes 5th Semester Date 12-52
Indexed C. Johnson

F. B. 2547 PG. 225

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

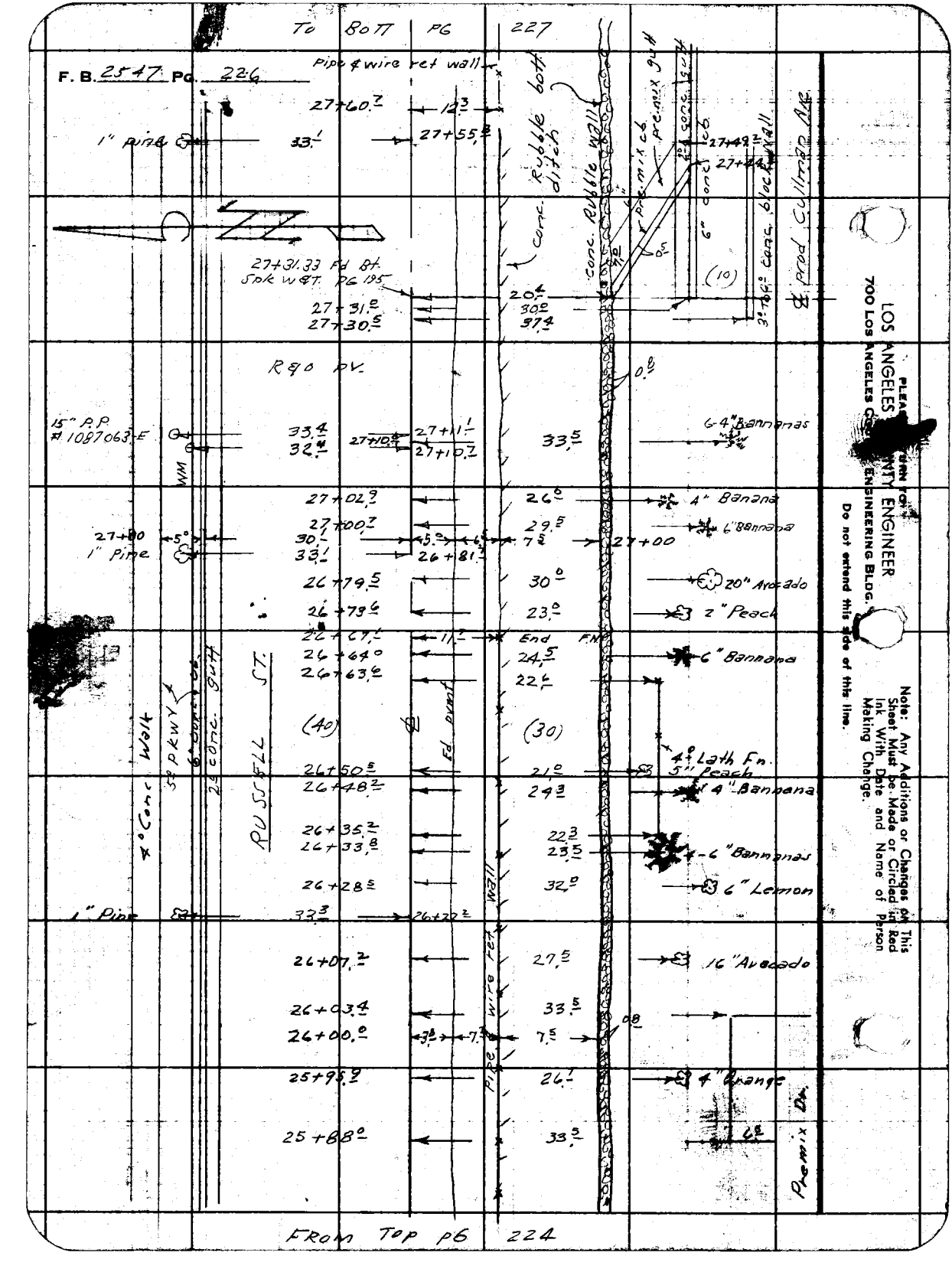
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

787-3008 SAE #247 11-58

ALLEY

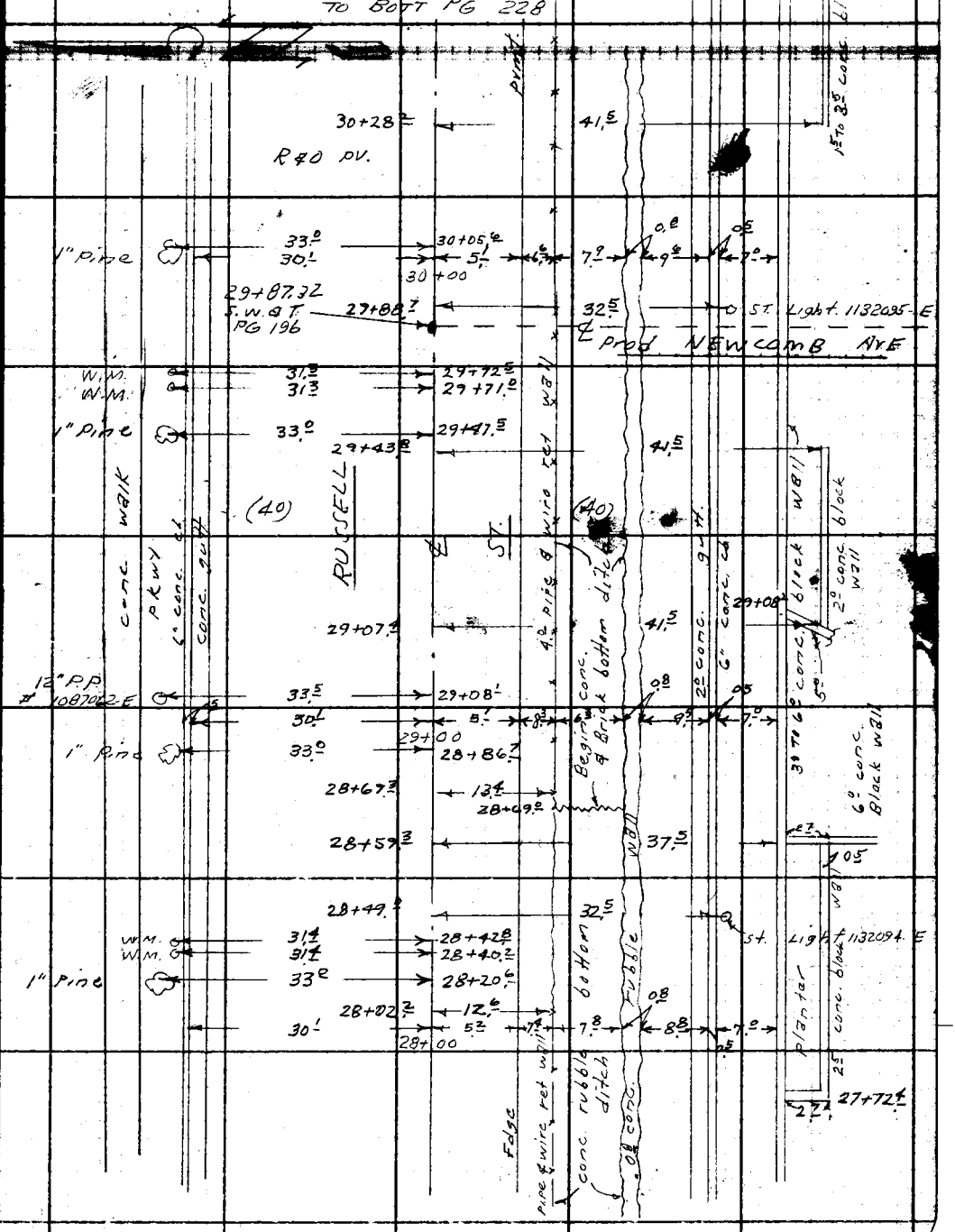
1+55.0
1+54.8
1+43.5
SMH
6" Wire Fn
6" Prem-i-x c.b.
1+59.5
6.5
30.2
25.0
13.8
1+35.2 12 Avacado
1+29.8 Cedar
1+23.0 5" Palmegranite
5" Avacado
4" Avacado
C" Peach
3-2 Guava
27.0
18.2
18.8
24.5
19.0
24.5
16.2
13.8
1+17.6
1+11.8
1+08.7
1+08.1
1+03.6
1+00
7.6
W.H.
15.0
16.7
0+95.4
0+94.5
1½" Gardenia
0+93.3
22.1
21.3
2.5
19.2
0+79.5
0+75.5
0+74.5
3-1½" Camilia's
4.0
4.0
4.0
9" Myrtle
3-1½" Camilia's
1C
Wood Arber
16.0
7.7
7.7
4" Rose
29.3
8" Telp# W72761
24" Cedar
End Conc Cb
18.0
0+67.3
18.2
16.7
12.8
23.4
13.6
9.8
0+61.8
0+46.1
0+58.3
0+53.5
0+62.8
0+51.1
0+49.0
0+45.5
25.6
17.98
4.0
1½" Jacaranda
2" Conc. Walk
2" Gutter
0+92.3
0+82.3
Jacaranda 0+34.1
Rock Walk
1+23.0
1+32.7
22.1
18.0
18.0
AVE
6" c.b.
BOUGARDUS
RUSSELL ST.
Premix Berm
(see PG 224)
P & PV.
1X2 @ N. FY PC 192
24+70.25= 0+00 to
S. along Bougardus
SPK @ T- FI PG 19
24+82.35= 0+00 to
N. along Bougardus
see PG
Automatic Elect. Water Valve Control
0+35.0
0+37.2
15.8
26.0
25.7
24.9
0+47.0
0+52.0
16.4
17.2
110.1
Premix Dr
Light
Conc Vault
Elect Water
0+54.5
0+65.8
23.3
20.10
12" Orange
AVE
6.5
21.6
0+65.7
0+67.2
(?)
(30)
6" Conc. Curb
2" Conc. Gutter
23.7
0+87.1
0+84.9
28.3
Shrub 7'-tall 12 Clump
0.1
1+00
1+00.2
20.1
22.7
4" Orange
1+04.0
28.6
G.M.
1+13.0
32.8
16" Sycamore
1+31.7
SMH
W.H.H.
11.7
1+38.1



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 Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape Std °F
Office Work	Surveyed by D. Sapone
Checked	Notes D.S. & E.C.S. Date 12-59
Date	Indexed C. Johnson

F. B. 2547 PG. 227



From Top PG 226

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

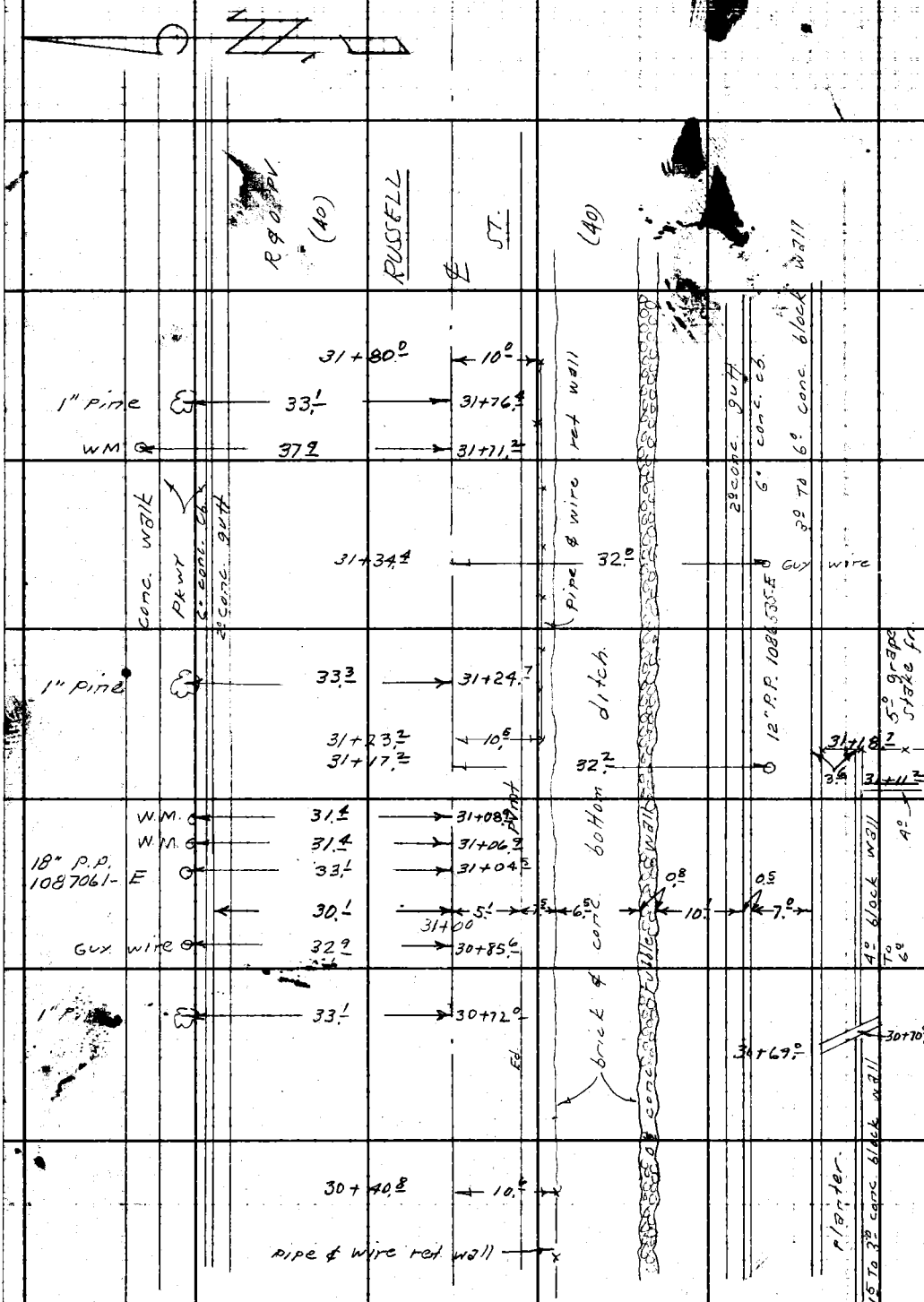
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E #247 11-58

F. B. 2547 Pg. 228

TO LFT PG 229



FROM TOP PG 227

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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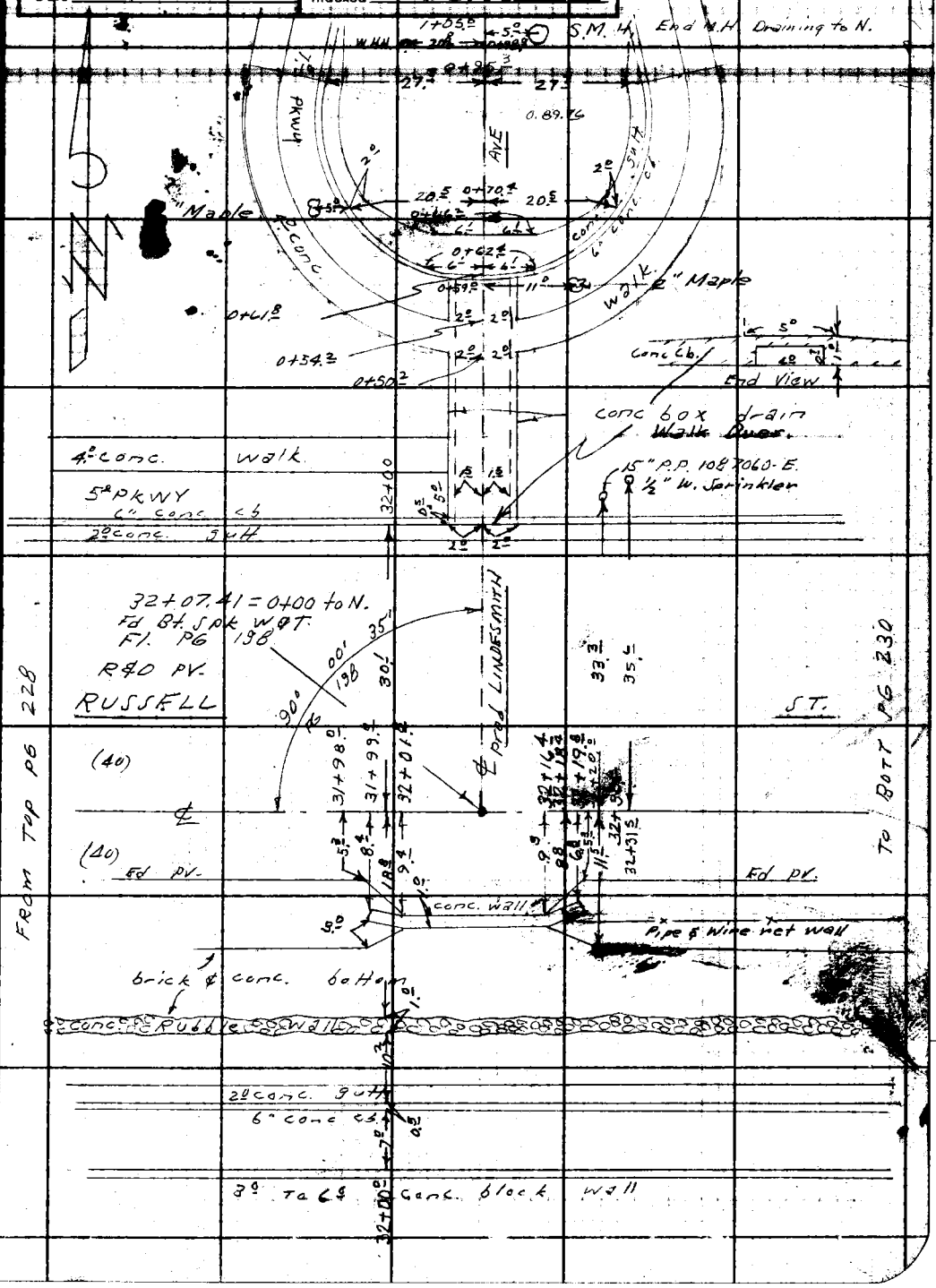
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.30 Tape Std °F
Office Work	Surveyed by D. Sappah
Checked	Notes D.S. & E.C.S. Date 12-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 229

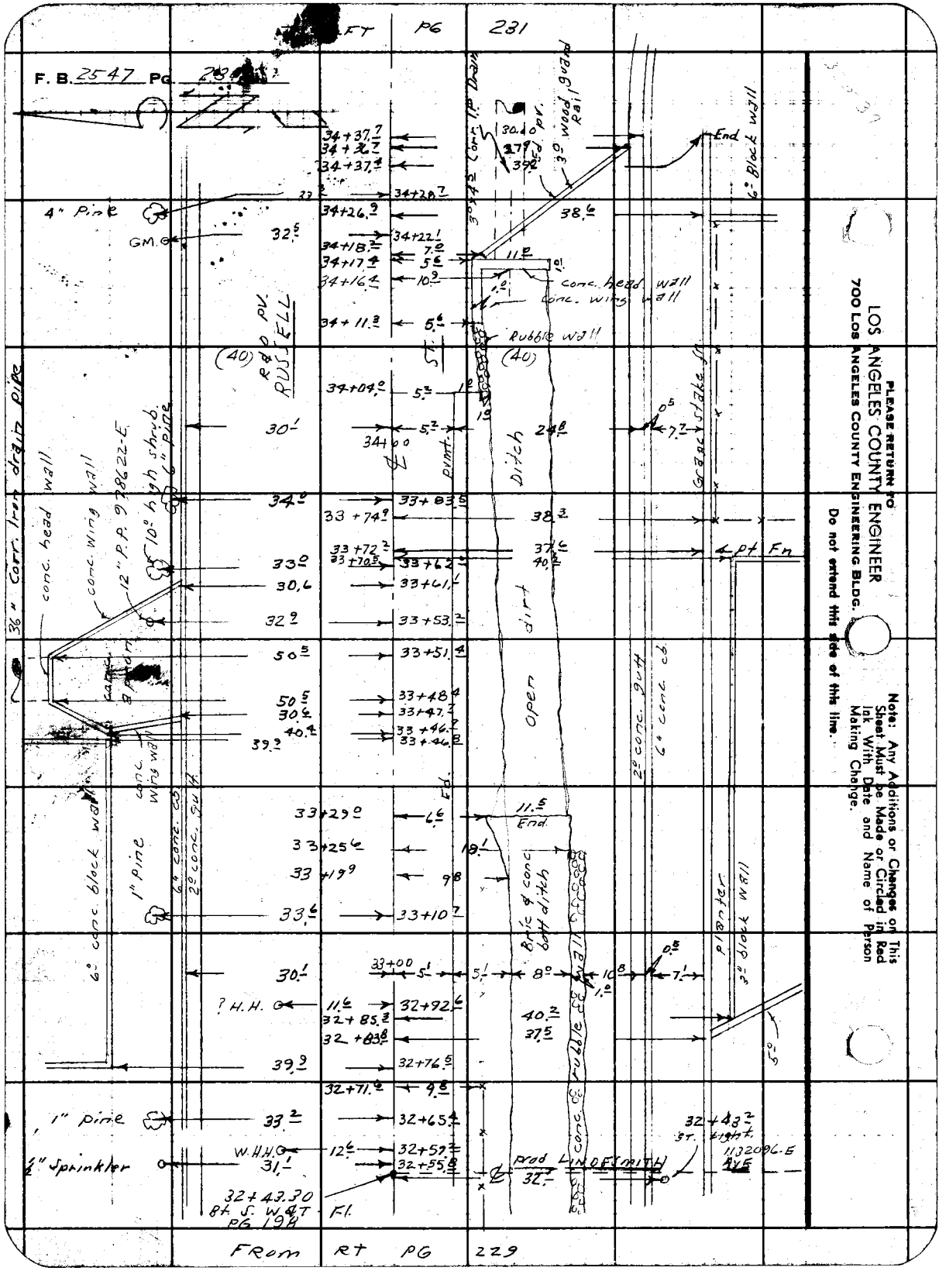


Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58



LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

PLEASE RETURN TO

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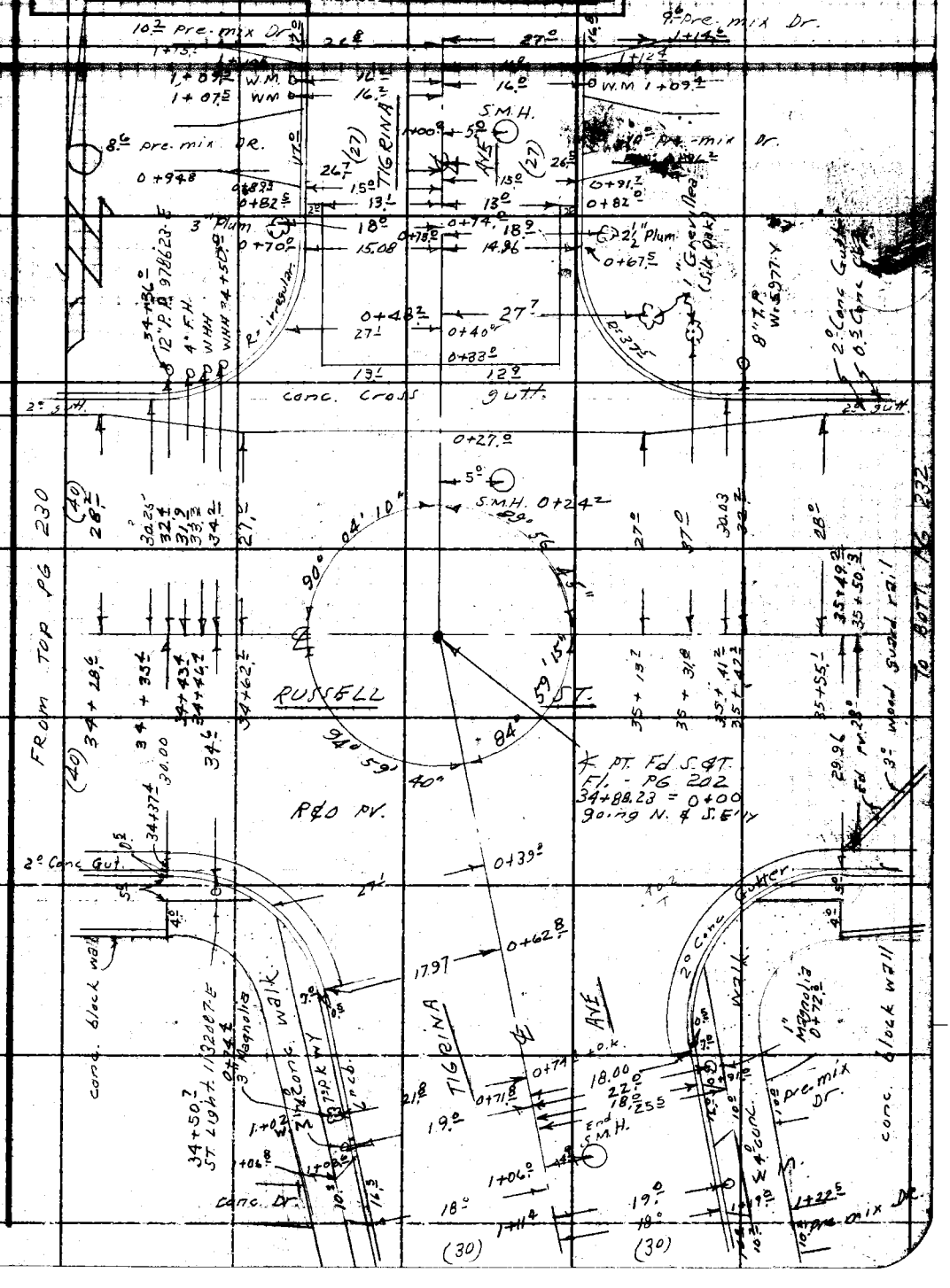
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape Std. °F
Office Work	Surveyed by [illegible]
Checked	Notes D.S. & E.L.S. Date 12-59
Date	Indexed C. Johnson

547 PG. 231



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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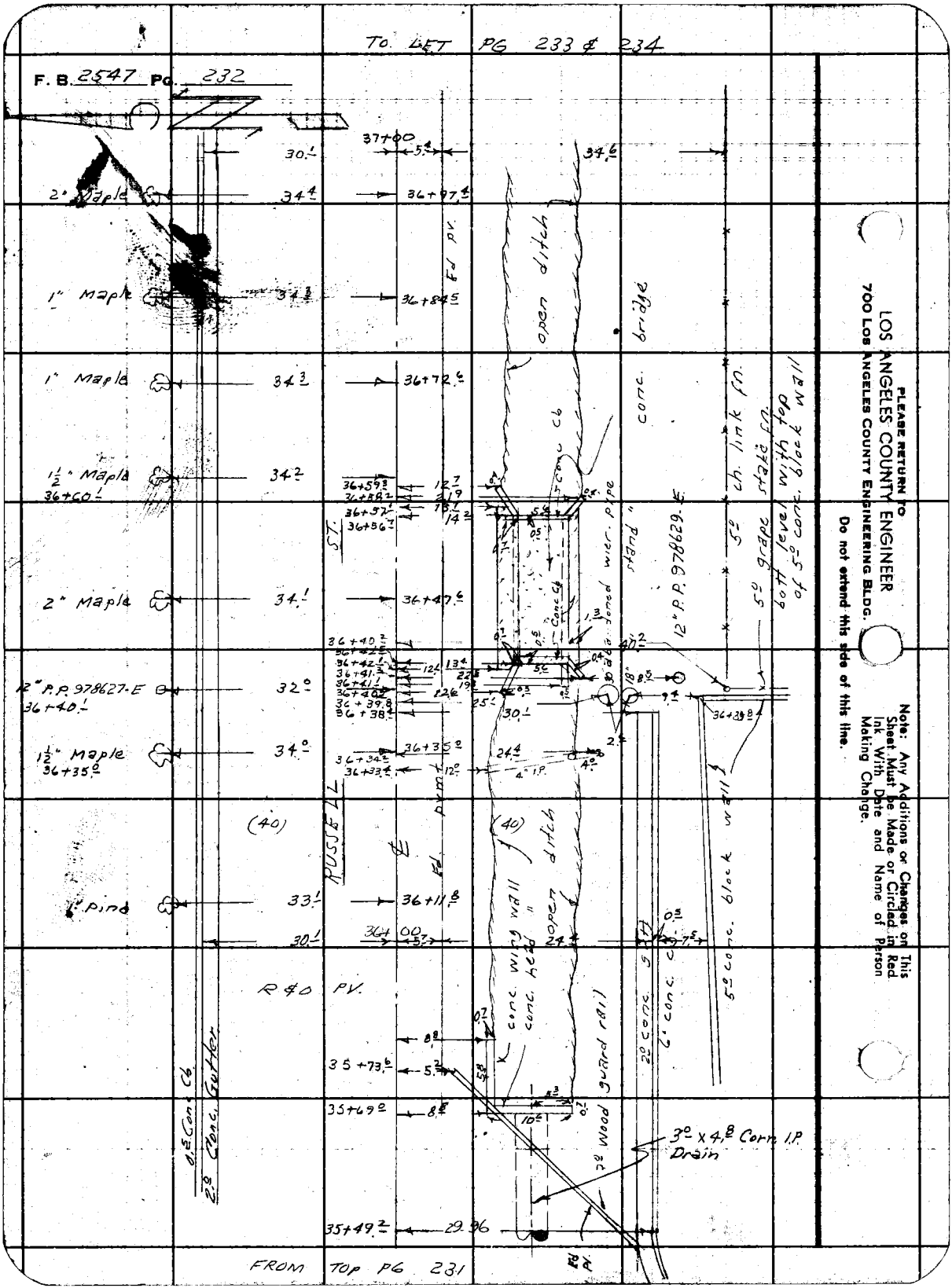
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58



PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.
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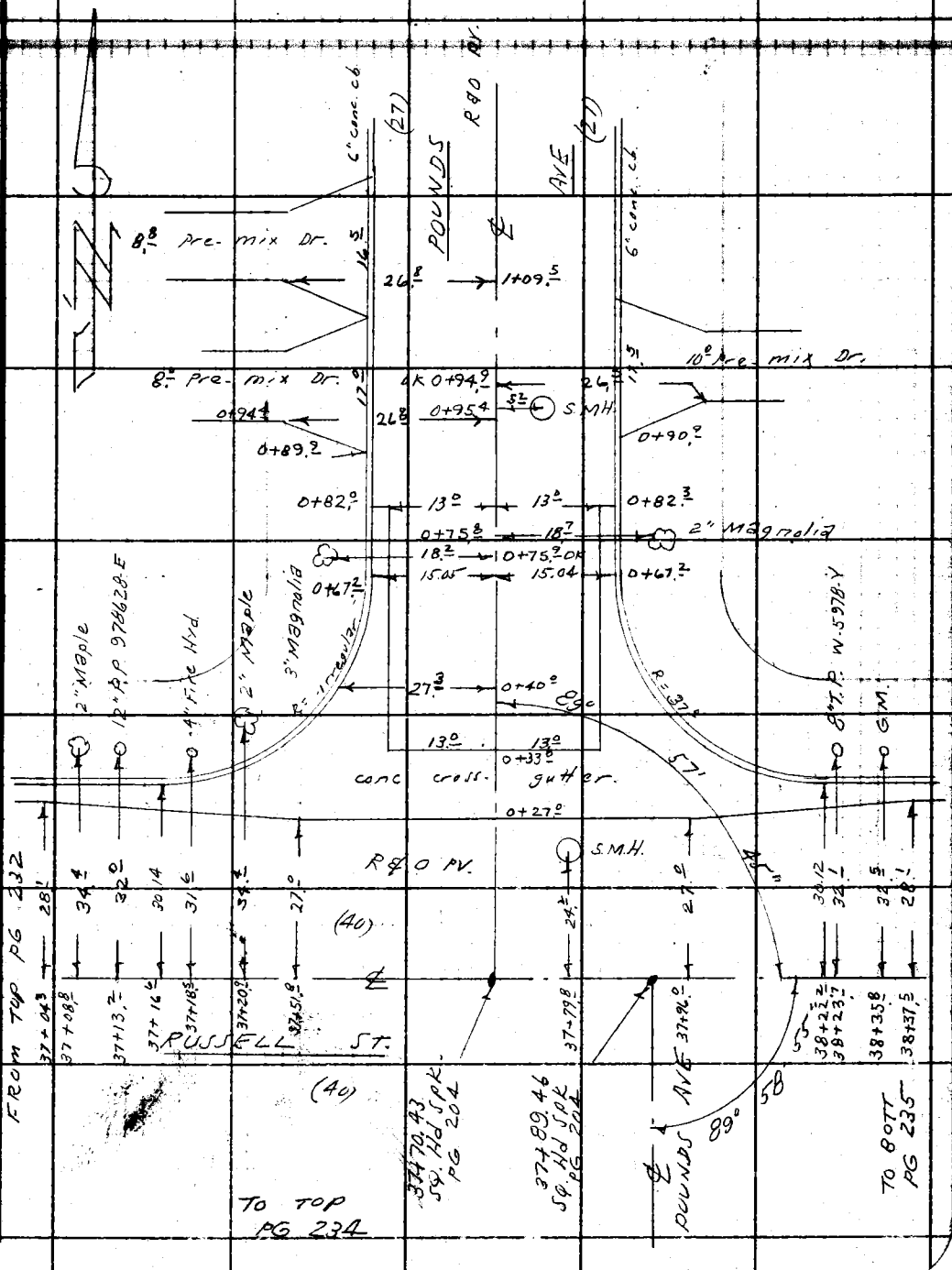
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Whittwood S.D. Line "C"	F. B. 2547 PG. 233
Map No.	JN 6253.20 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. & F.C.S. Date 12-59	
Date	Indexed C. Johnson	

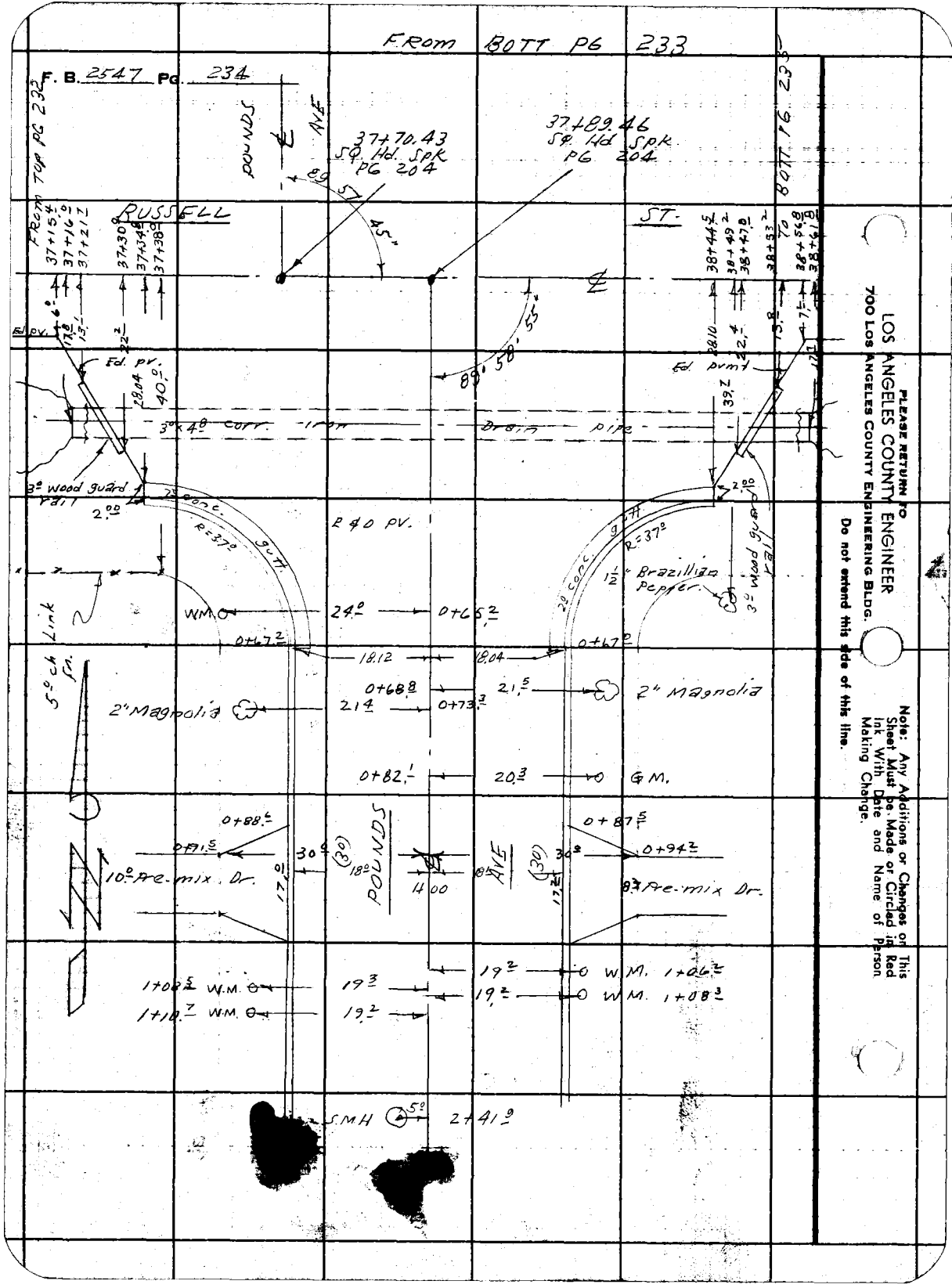


Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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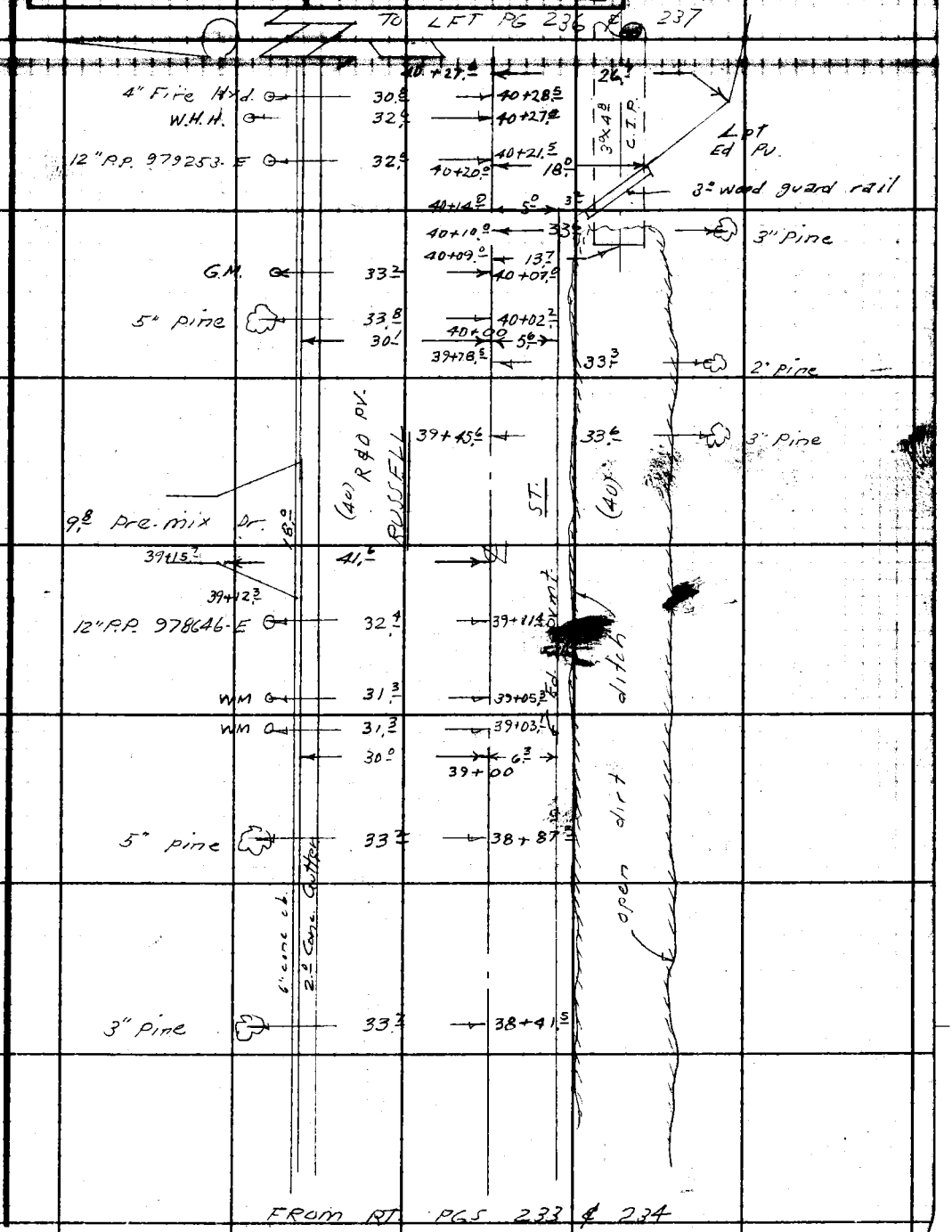
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Whittwood S.D. Line "C"
Map No.	JN 6253.20 Tape Std °F
Office Work	Surveyed by A. Sappell
Checked	Notes DS. & 1 Date 12-59
Date	Indexed C. Johnson

F. B. 2547 PG. 235



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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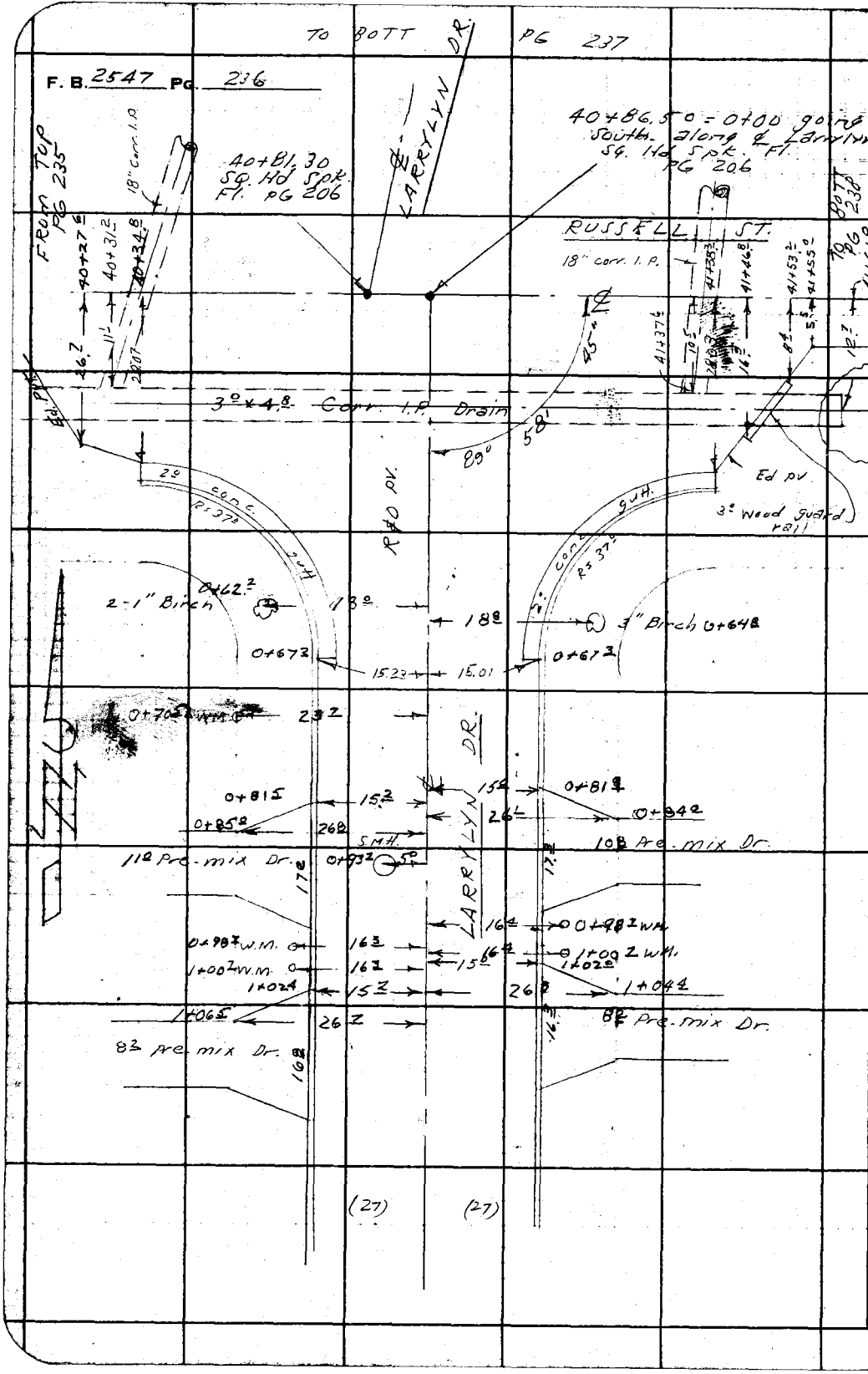
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58

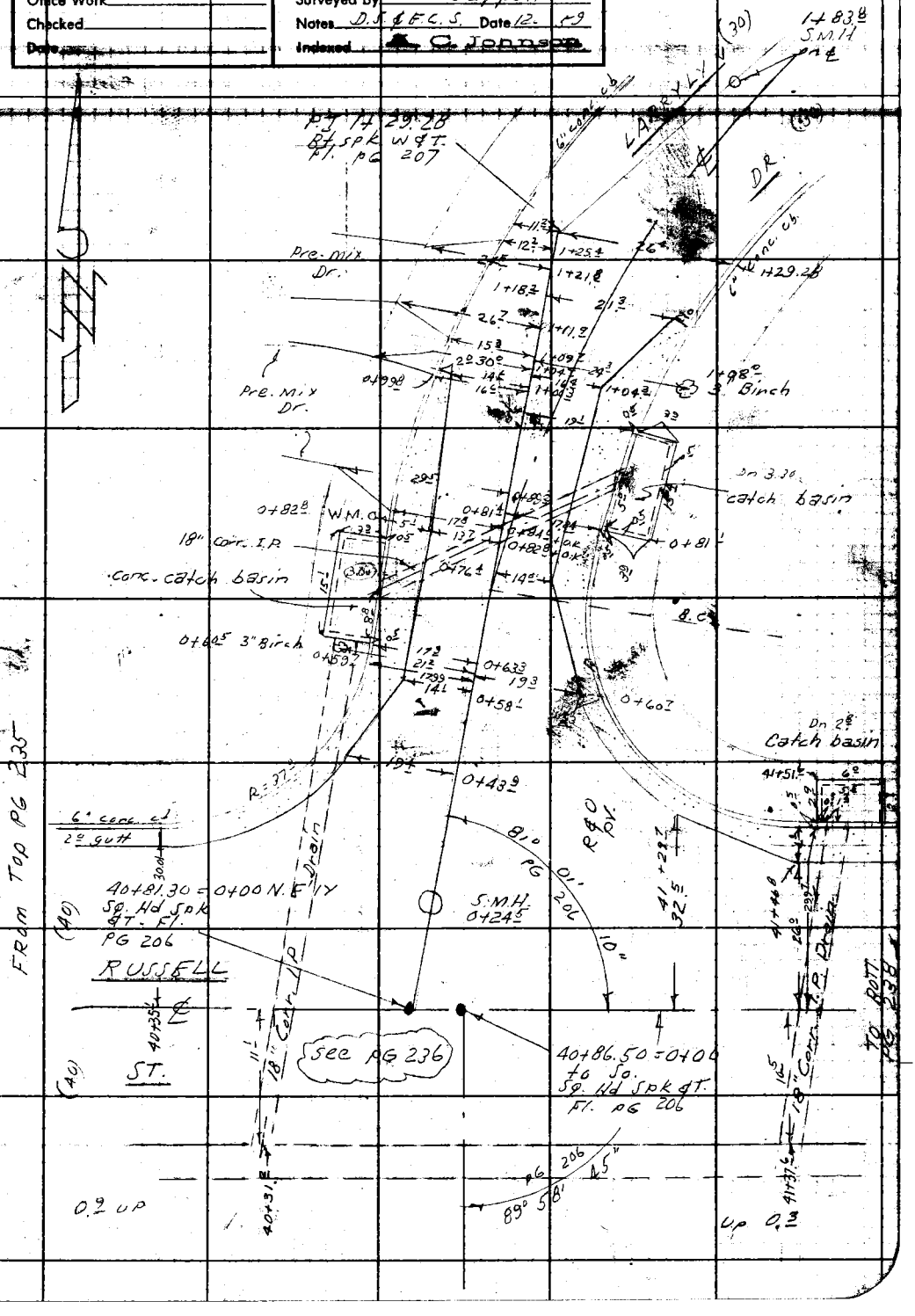


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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 Whittwood S.D. - Line "C"	F. B. 2547 PG. 237
Map No.	IN 6253.20 Tape Std °F	
Office Work	Surveyed by J. Sappell	
Checked	Notes D.S. & F.C.S. Date 12-59	
Date	Indexed A. C. Johnson	



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

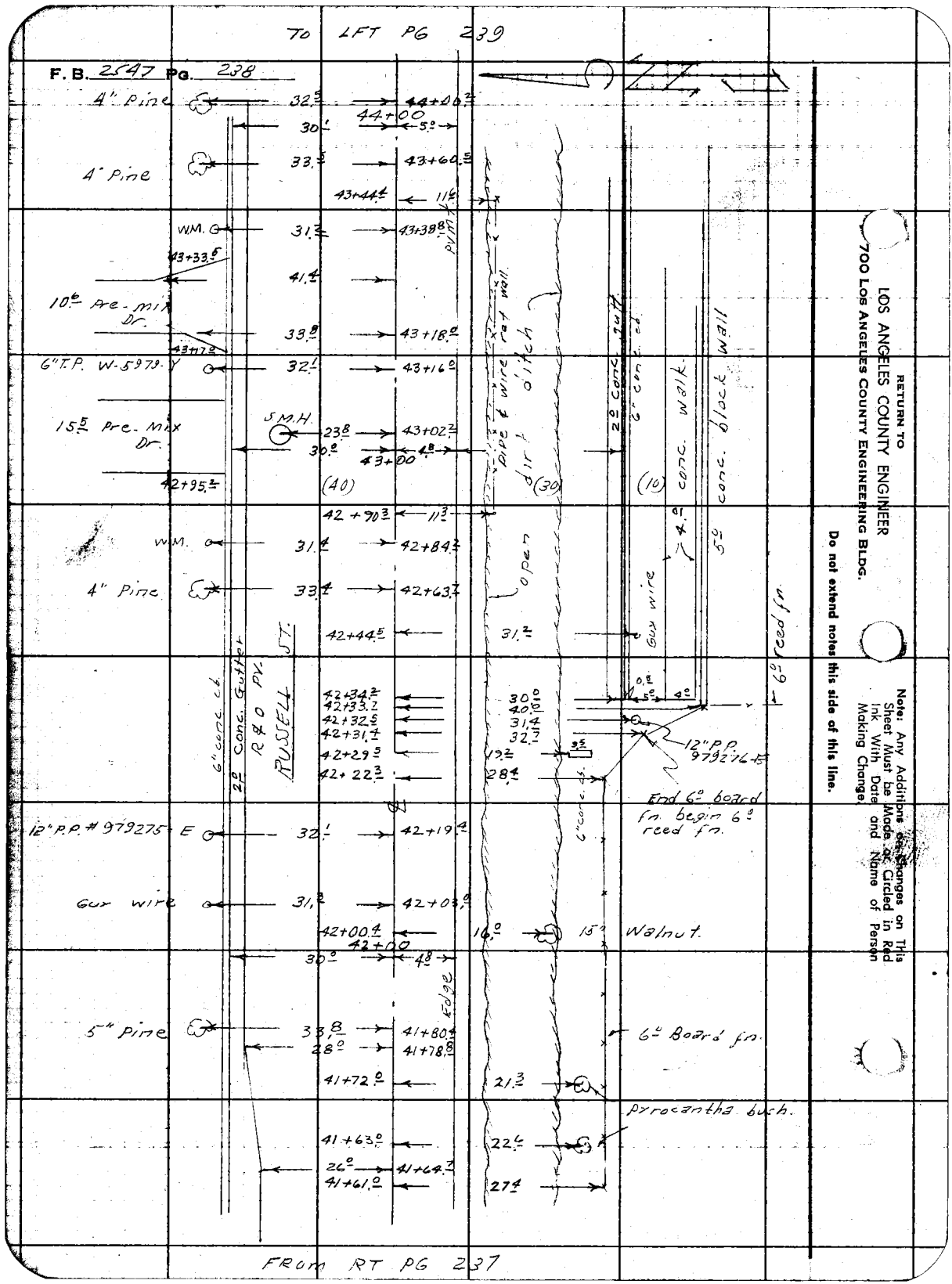
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-55

TO LFT PG 239

F. B. 2547 Pg. 238



RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

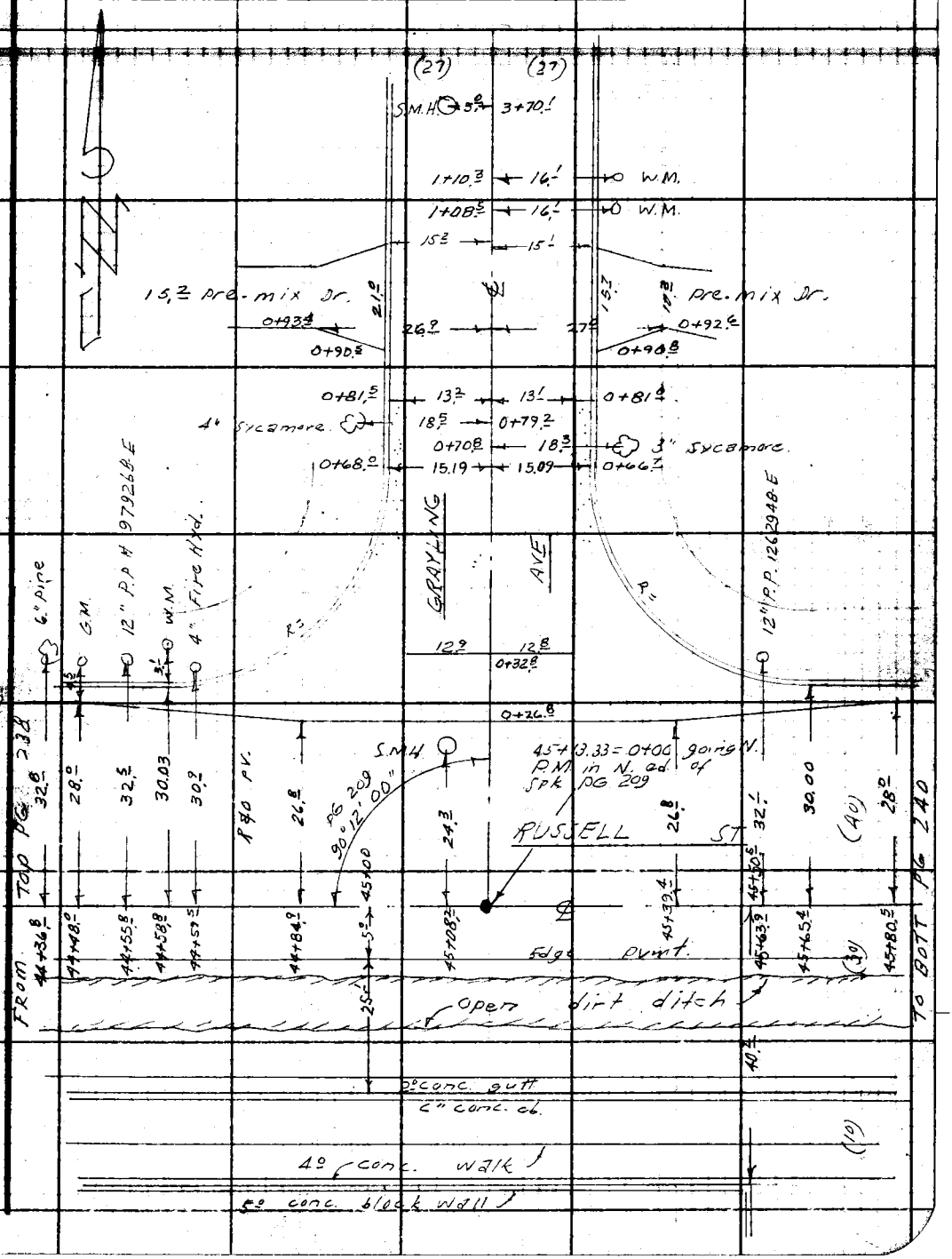
Do not extend notes this side of this line.

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

FROM RT PG 237

Notes Ck'd by	Survey of Whittwood S.D. - Line 'C'
Map No.	JN 6252.20 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes D.S. & E.C.S. Date 12-59
Date	Indexed [illegible]

F. B. 2547 PG. 239



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

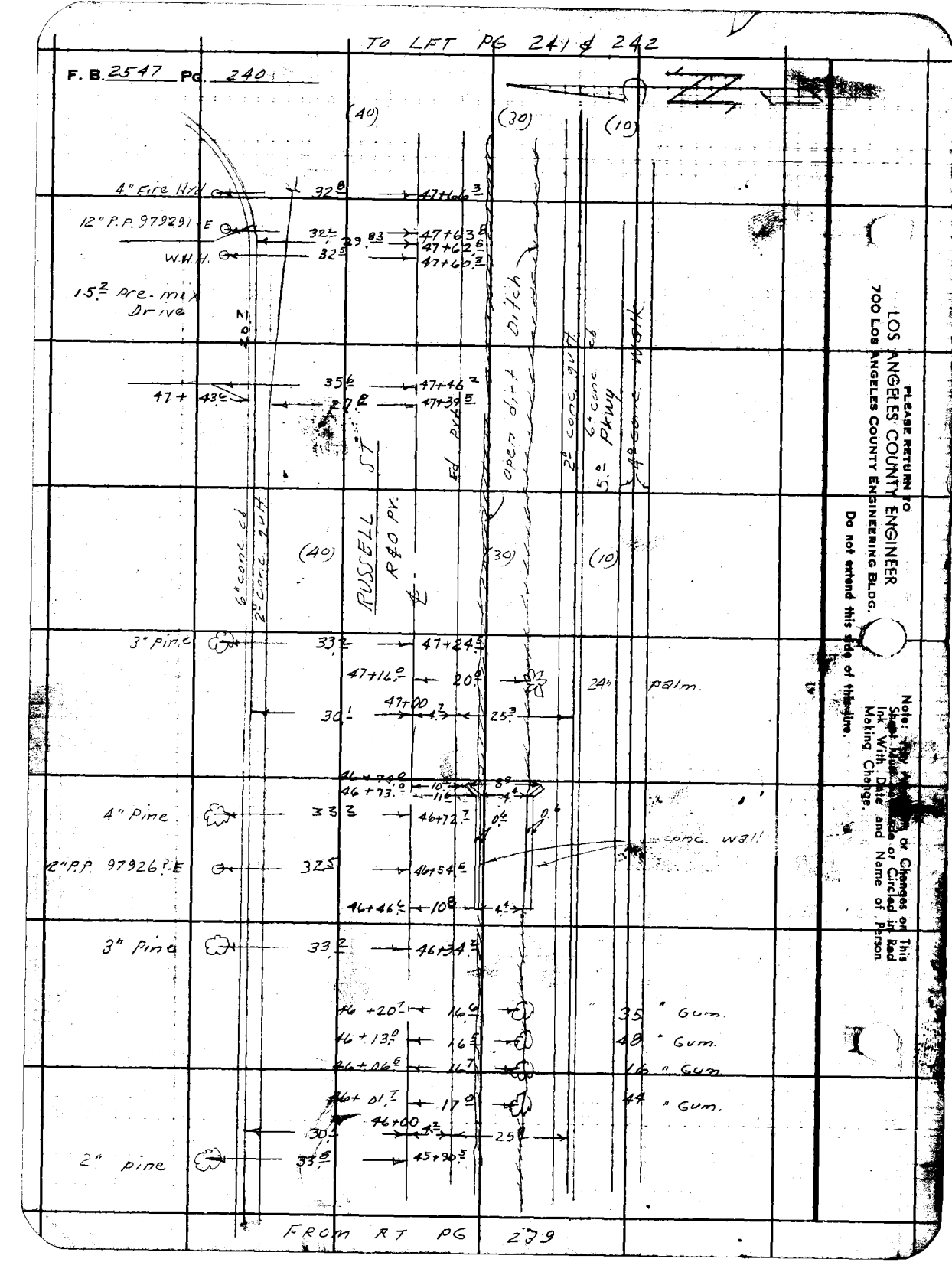
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

7SF309S S&E #247 11-58

TO LFT PG 241 & 242

F. B. 2547 Pg. 240



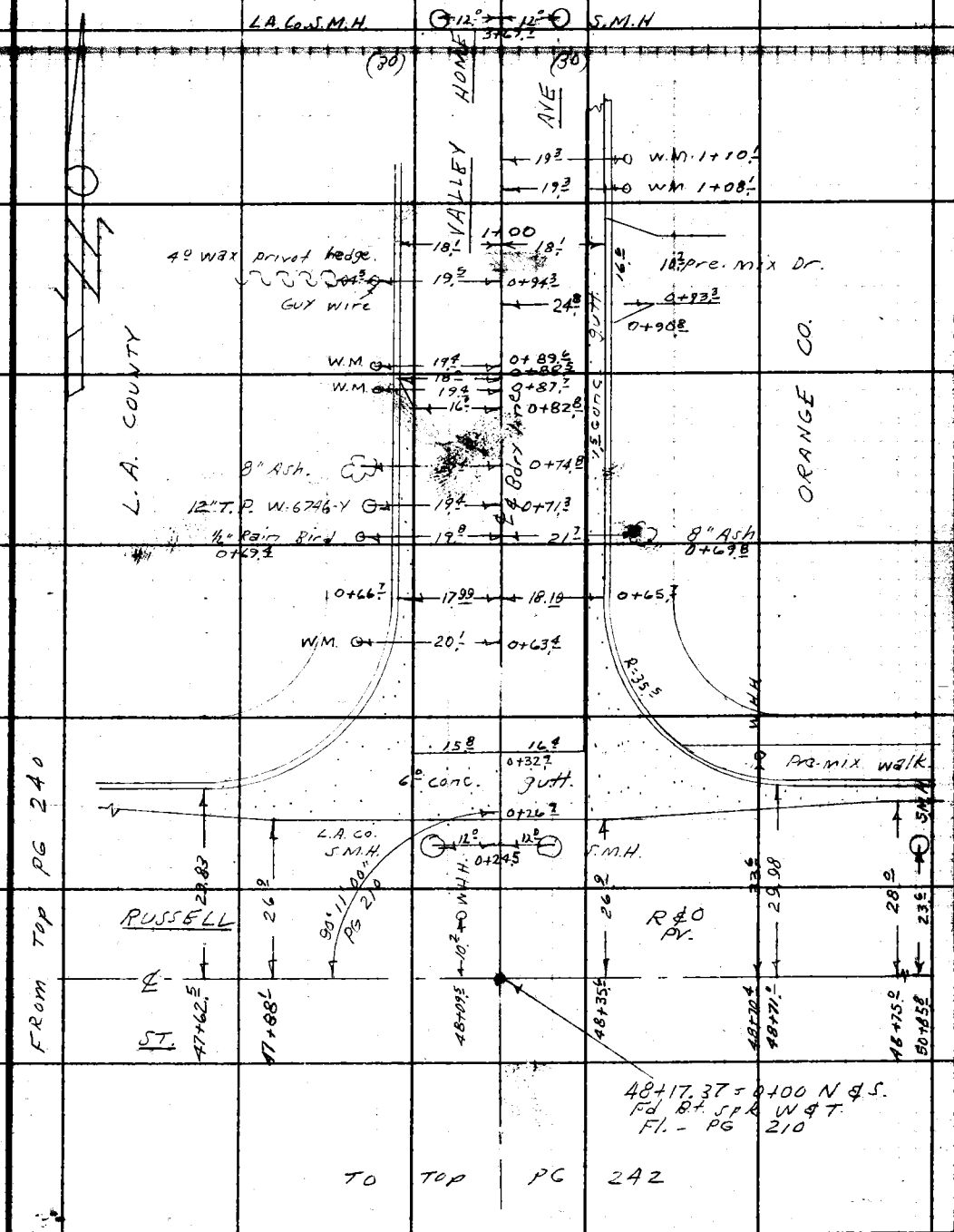
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

Note: Show Number or Changes on This Sheet in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Whittwood S.D. - Line "C"
Map No.	JN 6253.30 Tape Std °F
Office Work	Surveyed by B. Sappell
Checked	Notes D.S. & E.C.S. Date 12-1-59
Date	Indexed A. C. Johnson

F. B. 2547 PG. 241

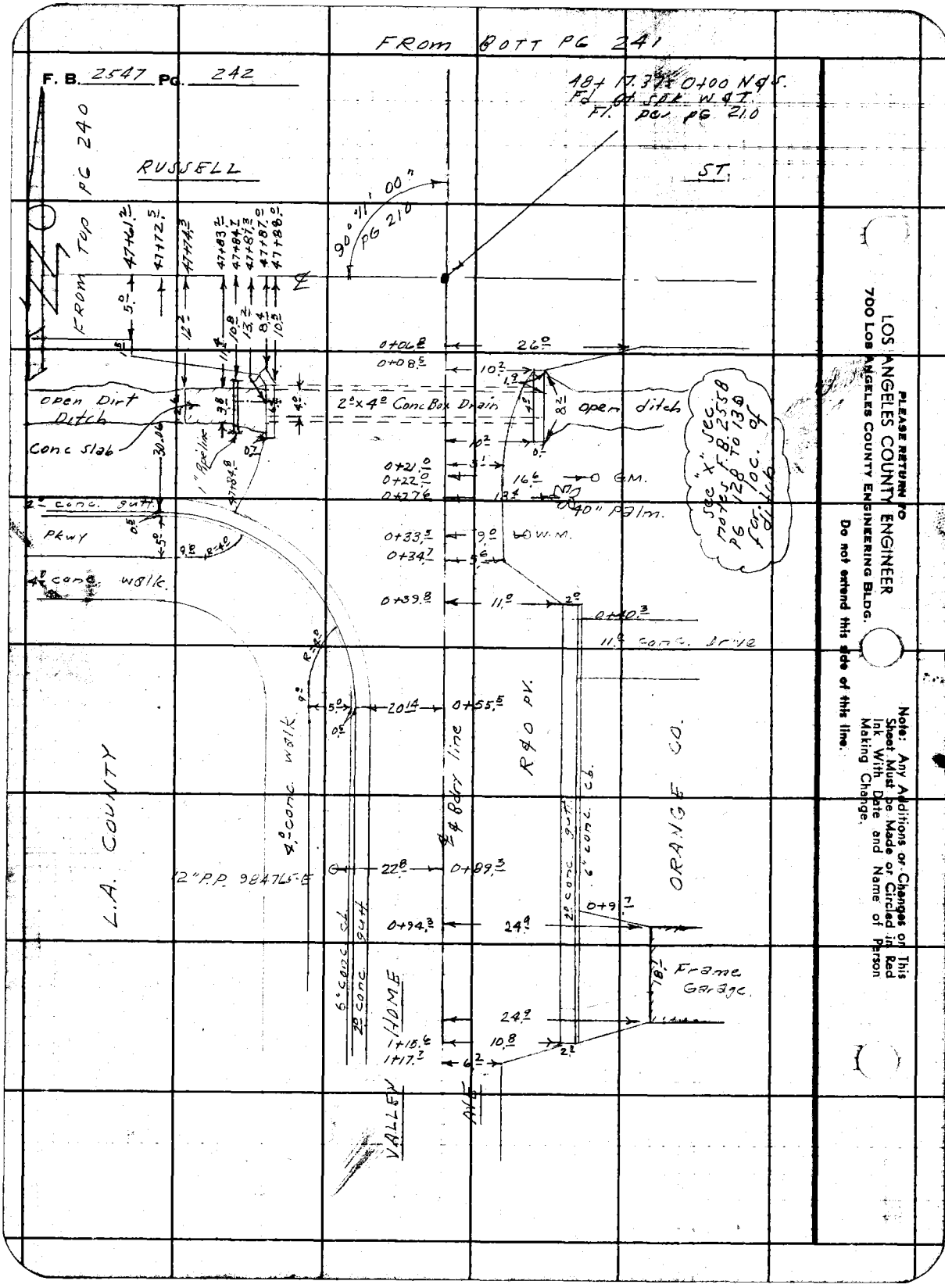


Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 11-58


FROM BOTT PG 241
F. B. 2547 PG. 242
48+ 17.37 = 0+00 N&S.
Fd. Ct. Spk. W&T.
Fl. per PG 210
RUSSELL
ST.
FROM TOP PG 240
90° 11' 00" PG 210
47+61.2
47+72.5
47+74.3
47+83.2
47+84.7
47+87.3
47+87.0
47+88.0
0+06.8
26.0
0+08.5
10.2
open Dirt Ditch
2°x4° Conc Box Drain
open ditch
Conc slab
1" Pipe line
0+21.0
0+22.0
0+27.6
16.6
G.M.
13.4
40" Palm.
2° conc. gutt.
Pkwy
0+33.5
9.0
W.M.
0+34.7
5.6
4° conc. walk.
0+39.8
11.0
2°
0+40.3
11° conc. drive
See "X" Sec. notes F.B. 2558 PG 128 to 130 for loc. of ditch
5.0
20.14
0+55.5
R&O PV.
L.A. COUNTY
4° conc. walk
℄ & Bdry line
ORANGE CO.
12" P.P. 984765-E
22.8
0+89.3
2° conc. gutt.
6" conc. cb.
0+91.7
0+94.3
24.9
6" conc. cb.
2° conc. gutt.
18.1
Frame Garage.
24.9
1+15.6
10.8
1+17.7
6.2
HOME
VALLEY
AVE
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Profile No. ____ X-Sec. No. ____

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

Plotted ____ Date ____ Checked ____ Date ____

Job No. 6253.20 Division No. 10

Survey of Whittwood S.D. - Line "C"

Survey by Sappell Notes DS Date 12-59

Map No. ____ Inked C. Jones Date 1-7-60

F. B. 2547 Pg. 243

J.N. 6253.20 PROJ Nº 532

WHITTWOOD STORM DRAIN

CROSS-SECTIONS

OF

LINE "C"

FROM

INT. RUSSELL ST & BOUGARDUS AVE E'LY ALONG RUSSELL ST TO VALLEY HOME AVE.

SEE F.B. 2560 PGS 5 TO ____ FOR CROSS SECTIONS E'LY ON RUSSELL ST FROM BOUGARDUS AVE TO THE NORTH.

party: Sappell
Shoemaker
Lieber
Caro

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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PLEASE RETURN TO
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700 Los Angeles County Engineering Bldg.

761-298 S & E #307—1-56

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM WZ 450				307 41	BM WZ 450 El. 307.412 F.B. 2518-9 F.B. 2174-15 C.I 2057	
					Russell St. & Bougardus Ave. S.W. cor., Bt. Spk	
					in cb. 5 FT. S. of S. end C.R.	
23+00				304 39		℄ Russell
				304 26		4.3 R Ed pv.
				304 5		6.5 " Top bank
				298 6		12.0 " bott ditch
				298 6		16.0 " " "
				304 1		20 " Top bank.
				303 81		28.1 " Ed gutt
				303 61		30.1 " bott cb
				304 29		30.1 " Top "
				304 4		37.8 " gnd at face of black wall
				304 28	14.4 L Ed pv.	
				304 1	16.9 " Top brk.	
				303 2	19.4 " bott ditch	
				304 2	21.9 " Top brk.	
				303 8	30 " P/L	
23+65				305 69		℄ Russell
				305 65		4.0 R F/L
				306 0		5.0 " Top bank & Ed. pre-mix burm

Lenker Rod

F. B. 2547 Pg. 244 Job No. 6253.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whittwood S.D. - Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
23+65.0				300 5		11.8 R bott ditch
				300 7		16.4 " Top "
				305 5		19.5 " Top bank.
				305 29		27.9 " Ed. gutt
				305 07		29.9 " bott cb.
				305 77		29.9 " Top "
				305 8		37.6 " gnd at face of wall
24+00			Lenker	306 51		℄ Russell
				306 31	14.5 ' L Ed pv.	
				305 74	19.0 " Top bank	
				304 7	19.0 " bott ditch	
			Rod	305 0	21.0 " bott " " & conc. cb.	
				306 00	21.0 " Top cb.	
				306 6	30 "	
24+05.4				306 13		27.9 R Ed gutt.
				305 94		29.9 " bott cb.
				306 64		29.9 " Top "
				307 1		40 " P/L
24+07.3				306 53		7.3 R. pvmt.
				307 39		7.3 " Top cor. conc wing wall
24+08.4				301 53		8.4 " bott W.W. & Ed [illegible]

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 6253.20 Division No. 10 Survey of Whittwood S.D. Line "C" Survey by Sappell Notes D.S. Date 12 [illegible] Map No. Indexed C. Johnson

F. B. 2547 Pg. 245

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
24+08.5				301 45		16.4 R. Ed apron brk
				302 20		17.4 " Cor apron
				306 5		21.4 " Top bank.
24+19.1				301 97		17.6 R brk in apron.
				302 64		18.9 " Ed apron.
24+21.9				303 73		20.8 R. Ed apron & bott rubble wall
				307 3		20.8 " Top rubble wall
24+24.1				302 24		19.2 " bott W.W. & apron
				307 80		19.2 " Top wing wall end
				307 2		19.2 " Top rubble wall
				306 9		20 " gnd.
24+29.4				307 78		11.0 R Top H.W.
				302 09		11.0 " bott H.W. & apron
				301 85		13.6 " inv. 60" corr. l.P.
				307 77		16.2 " Top H.W.
				302 02		16.2 " bott H.W. & apron.
24+30.4				307 17		10.9 " pre-mix pv.
				307 04		16.9 " " " "
24+47.6				307 54	15.4 L Ed pv.	
				307 44	16.6 " cor. conc. dr.	& Top brk.
				306 2	17.7 " bott ditch	
24+48.1				306 35	19.3 " ctr. bott box drain	(under dr.)

F. B. 2547 Pg. 246 Job No. 6253.20 Division No. 10 Notes Red Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No. X-Sec.
Survey by Sappell Notes D.S. Notes Chkd. Checked
Indexed E. C. Johnson Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
24+48.6				306 26	21.1 L	bott ditch & box drain
				306 86	21.1 "	Top conc cb.
				307 46	21.8 "	Top cor. conc. drive over box drain
24+62.9				306 74	21.0 L	bott box drain
				307 84	21.0 "	Top conc dr. & cb.
24+64.6			Lenker Rod	307 84	16.0 "	Ed pv. & conc. dr.
				306 67	17.0 "	bott box drain under conc dr.
24+68.4				307 96	14.0 L	brk. in pvmt
				306 90	19.0 "	bott brk (int pvmt & bott ditch)
				306 90	21.0 "	bott cb. (End)
				307 94	21.0 "	Top "
24+70.35				308 29	PG 192 & 224	℄ int Russell St & Bougardus To S
" "	= 0+00 going S. along ℄ of Bougardus to S.					
0+65.0	S			307 47		℄ Bougardus
				307 41	10.0 L or E.	w/4
				307 24	18.1 "	cor. gutt
				307 00	20.1 "	bott cb End
				307 65	20.1 "	Top "
				307 7	30 "	P/L
0+75.0	S			307 36		℄ Bougardus
				307 20		10 R. w/4

Profile Notes Red. Plotted Job No. 6353-29 Division No. 10 F. B. 2547 Pg. 247
No. Date Date Survey of Whittwood S.D. - Line "C"
X-Sec. Notes Chkd. Checked Survey by Sappell Notes D.S. Date 12-59
No. Date Date Map No. Indexed C. Johnson Date

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+75.0 -S				306 87		18 R Ed. gutt
				306 70		20 " bott cb.
				307 37		20 " Top "
				307 55		29.5 " back walk
			Lenker Rd	307 31	10' L w/4	
				307 10	18' " Ed gutt.	
				306 85	20' " bott cb.	
				307 52	20' " Top "	
				307 6	30 " P/L	
		Flow	to	South.		
1+36.7 S		S.M.H.		306 66	5.0 L S.M.H. N- Rim.	
					Rim El - (M + D) = invert	
				299 37	inv. 8" Inlet N. 306.66 (6.62+0.67) = 299.37	
				299 16	" 8" outlet S. 306 64 (6.81+0.67) = 299.16	
24+82.35				308 40	PG 192 & 225.	℄ int. Russell & Bougardus to N.
" " =	0+00	going	N.	along ℄	of Bougardus to N.	
0+15 N.				308 08		℄ Bougardus.
0+26.8 N				307 70		℄ " Ed "X" gutt.
				307 57	7.2 L Ed "X" gutt. & Ed. pre mix burm.	
				308 11	9.8 " Top burm.	
				308 5	12 " P/L	

F. B. 2547 Pg. 248 Job No. 6252.20 Division No. 10 Notes Red. Plotted Profile
Survey of Whitwood S.D. Line "C" Date Date No.
Survey by Sappell Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

76L-298 S & E #307—1-58

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STATION	B. S.	H. I.	F. S.	ELEV.		
0+29.9 N				307 68		℄ Bougardus F/L gutt
0+33.0 N				307 69		℄ " Ed " "
				308 06		15.8 R int Ed gutters
				307 64	6.6 L Ed x gutt.	& bott pre-mix burm.
				308 35	10.1 " Top pre-mix burm.	
0+45.0 N				308 27	9.8 L bott pre-mix cb	
				308 88	9.8 " Top "	" "
0+77.3 N				309 40		℄ Bougardus
			Lenker Rod	309 30		9' R w/4
				309 02		16 " Ed gutt
				308 84		18 " bott cb
				309 50		18 " Top "
				309 77		29.5 " back walk
0+82.3 N				309 10		16.0 " ∡ pt. Ed gutt.
0+90.3 N				309 17		18 R bott cb. & end gutt
1+00 N				309 87		℄ Bougardus to N
				309 79	9.6 L bott pre-mix cb	
				310 35	9.6 " Top " "	"
				310 2	12 " P/L	
1+17.3 N				310 21		℄ Bougardus to N.
				310 05		9' R w/4

Profile Notes No. ___ Date ___ Plotted ___ Date ___ Job No. 6253.20 Division No. 10 F. B. 2547 Pg. 249
X-Sec. Notes No. ___ Date ___ Checked ___ Date ___ Survey of Whitwood S.D. - Line "C"
Survey by Sappell Notes D.S. Date 12-59
Map No. ___ Indexed C. Johnson

F.B. 2547 Pg. 250

Survey of Whittwood S.I. Line "C" Job No. 6253.20 Division No. 10 Notes Red. Plotted

Survey by Sappell Notes D.S. Date Date

Index by C. Johnson Date Notes Chkd. Checked

Date Date

				310 25		18 " Top "
				310 51		29.5 " back walk.
1+32.7 N			Lanker Rod	309 92		18' R bott cb & end gutt.
1+43.2 N				310 73		℄ Bougardus
				310 60		9' R w/4
				310 28		16' R Ed gutt
				310 10	bott cb.	18' " S. end C.R. S.E. cor. Alley
				310 77	Top "	18' " " " " "
				311 06		29.5 " back walk
1+55.0 N				311 20	bott. cb.	30' R. E end C.R. SE cor Alley
					Top "	30 " (cb. broken)
1+59.9 N		S.M.H.		311 05		5' R. S.M.H. S. Rim
					Rim El. - (M + D) = invert	
				302 38	Inv. 8" inlet N. 311.08	- (8.03 + 0.67) = 302.38
				302 36	Inv. 8" " E. 311.05	- (8.02 + 0.67) = 302.36
				302 17	Inv 8" outlet S. 311.05	- (8.21 + 0.67) = 302.17
1+65.03				311 25	PG 193	℄ int Bougardus & Alley
				311 11		9 R w/4
				310 75		16 R Ed "X" gutt.
				310 60		18 " F/L " "
		Cont. in F.B. 2558.73		311 15		30 " Ed " "
1+75.1 N				311 60	bott. cb.	30 R E C.R. N.E. cor. Alley