FD-340 REV. (6-14-77)

Field File No. 89-43-11374

00 and File No.

Date Received 9/30/80

From
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

(CITY AND

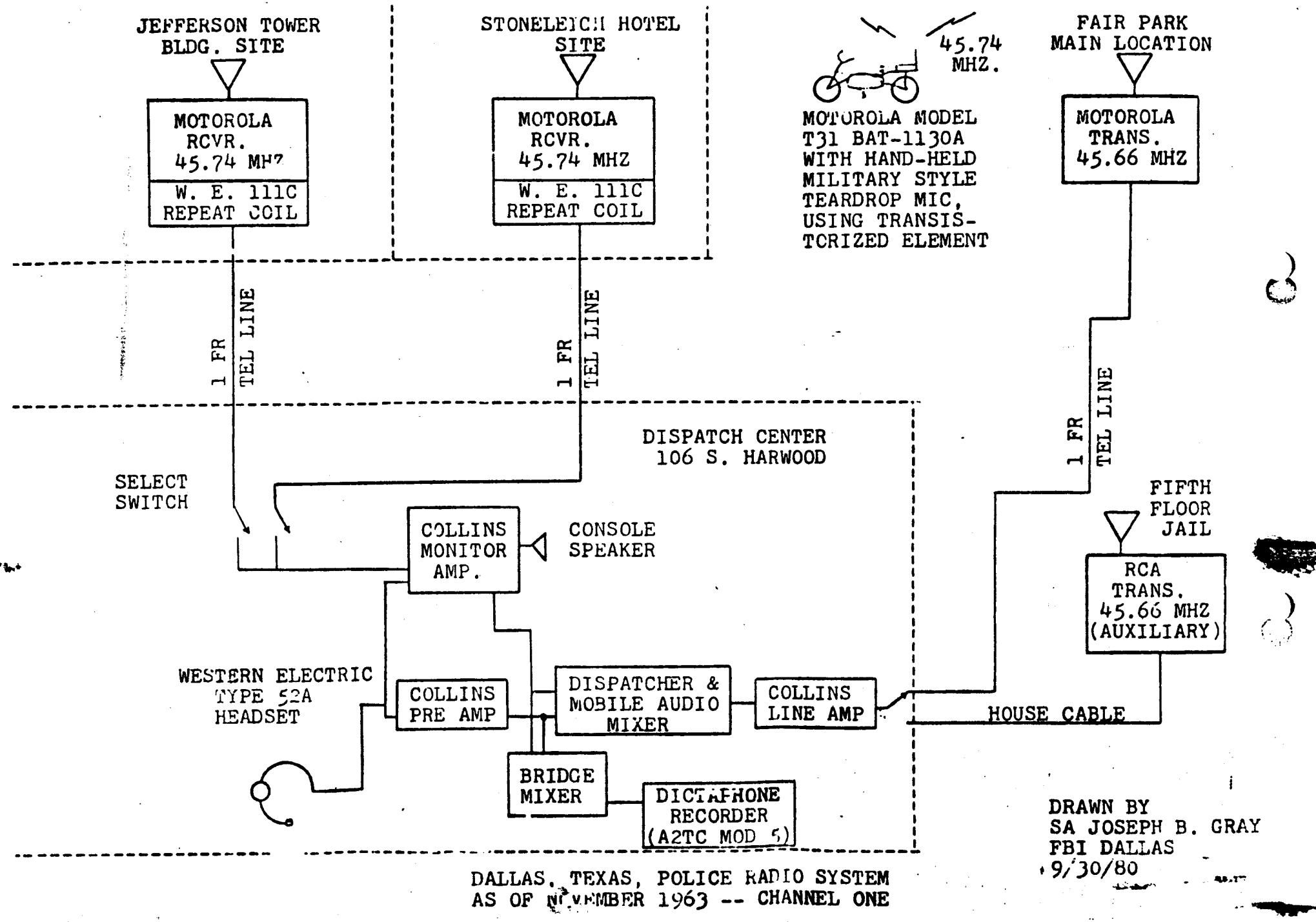
By SA [redacted]
(NAME OF

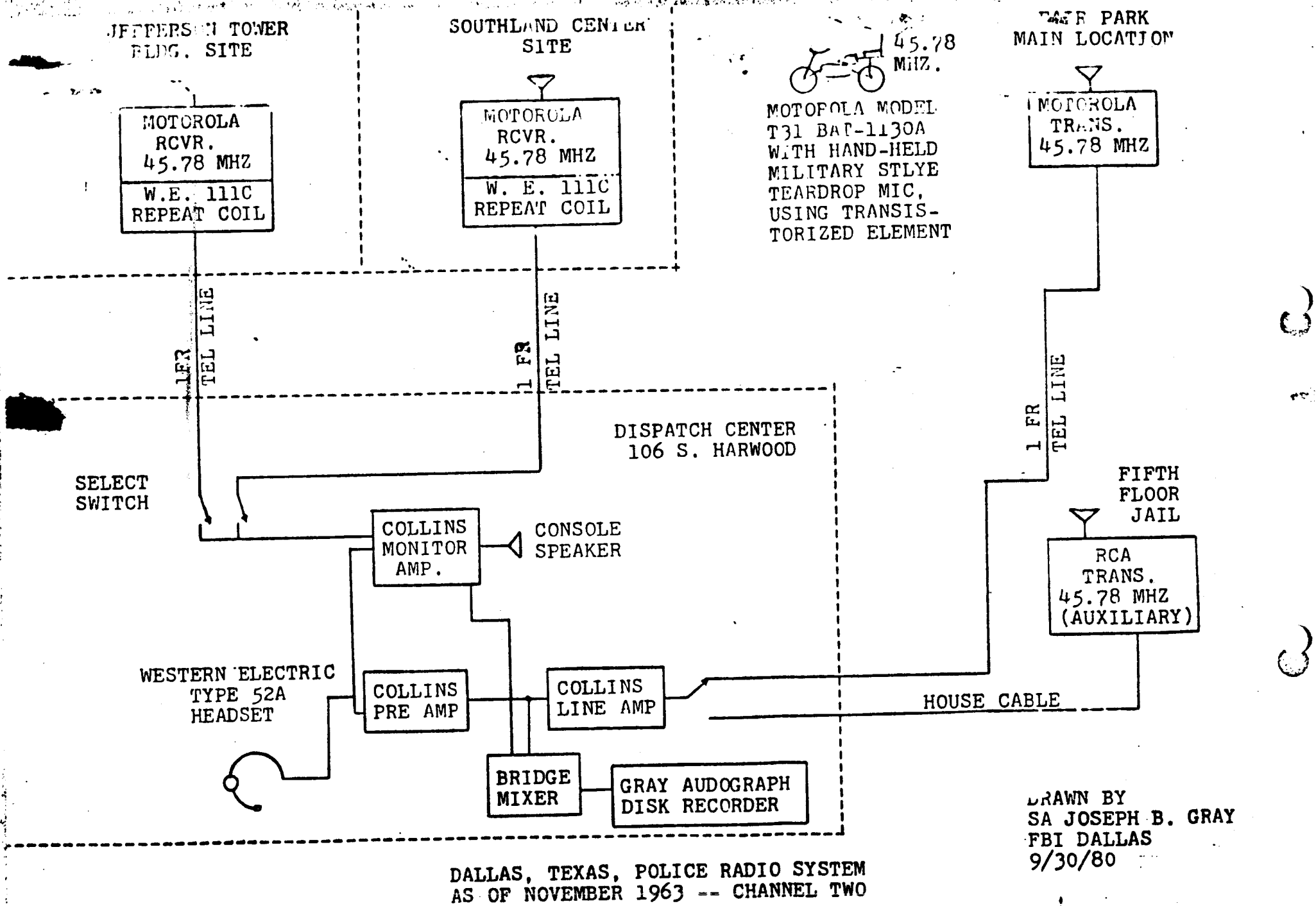
To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Copy of two charts prepared by SA [redacted] re Channel one and Channel two, Dallas PD, November 22, 1963.


JEFFERSON TOWER BLDG. SITE
MOTOROLA RCVR. 45.74 MHZ
W. E. 111C REPEAT COIL
STONELEIGH HOTEL SITE
MOTOROLA RCVR. 45.74 MHZ
W. E. 111C REPEAT COIL
45.74 MHZ.
MOTOROLA MODEL T31 BAT-1130A WITH HAND-HELD MILITARY STYLE TEARDROP MIC, USING TRANSISTORIZED ELEMENT
FAIR PARK MAIN LOCATION
MOTOROLA TRANS. 45.66 MHZ
1 FR TEL LINE
1 FR TEL LINE
1 FR TEL LINE
DISPATCH CENTER 106 S. HARWOOD
SELECT SWITCH
COLLINS MONITOR AMP.
CONSOLE SPEAKER
FIFTH FLOOR JAIL
RCA TRANS. 45.66 MHZ (AUXILIARY)
WESTERN ELECTRIC TYPE 52A HEADSET
COLLINS PRE AMP
DISPATCHER & MOBILE AUDIO MIXER
COLLINS LINE AMP
HOUSE CABLE
BRIDGE MIXER
DICTAPHONE RECORDER (A2TC MOD 5)
DRAWN BY
SA JOSEPH B. GRAY
FBI DALLAS
9/30/80
DALLAS, TEXAS, POLICE RADIO SYSTEM
AS OF NOVEMBER 1963 -- CHANNEL ONE



DRAWN BY
SA JOSEPH B. GRAY
FBI DALLAS
9/30/80

DALLAS, TEXAS, POLICE RADIO SYSTEM
AS OF NOVEMBER 1963 -- CHANNEL TWO

FD-340 REV. (6-14-77)

Field File No. 89-43-11375

00 and File No.

Date Received 8/27/80 & 9/15/80

From

(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

By SA [redacted]
SPECIAL AGENT

To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Notes re interview with Capt. James C. Bowles, Dallas PD.

Dictaphone

A2TC Mod 5

30 min belt -

±15db 300/2500 hertz

Gray Audograph

[redacted]

Phone line capability
200/2800 hertz. ±10%
due to line peculiarity

"Voice grade" circuits

Microphones for - parlor
less on low (300/3000)

No + directional in '62

Noise canceling (not fully
We used carbon mike like phone
& dynamic mikes. They a re
close speaking mikes or they
would give best reception to
voice modulation with 1-2"
mike.

Freq Response
300/3000 Radio Hy-1 now

8/27/?? — Jim C.

Jim —

J.C. [redacted] — [redacted]

1956 — 1966

Make a model spec on not

cancelled in the pre

[redacted] preliminary

90% probability it was

sold in the common market Motorola — G.E pass + FCA bid bans but some pcs.

certain spec. bad to be not

now cancelling missiles

[redacted]

mile

voice quality only - no fidelity requirements

when received at mike
main transmitter antenna - Fair Park
~~mast~~ sound activated relay
remote repeaters - Jefferson Tower
Office Bldg. #200 Park & Harson
Stoneleigh Hotel
Southland Center 2

? Telephone Co. land line from
(receiver) emit transmitter to main transmitter

dispatcher

transmitter - probably motorola

telephone line – split when it came to HQ Telephone went one to the recorders + one to dispatcher (speakers)

motorcycle going 4-5 mi per hr. –

Doppler effect

McClain –

Ch. 1 – Dictabelt – 12:00 P – 1:55

Ch. 2 – Gray – 12:37 – 1:33 P

should take both together

27 - 30 mi per hour

3 wheel officer – Ch. 1 only had –
Trad. Mgmt – borrowed motorcycle –
retired – embarrassed about it –

1st exposure — 11/22/63 —
March of 1964 FBI tried to transcribe —
~~transc~~ made tapes for the FBI
he has made the transcripts —

FBI played with the belts trying to transcribe them

bracketed the period as being blank —

first copy would have been real to real

used them for machine counted hours played them on dictaphone machine

Heterodyne — two transmissions collide & makes an sound

thinks they are dimples on the belt that caused the peaks

a close an anyone to the case procedures kept he is the best evidence

they found impulse patterns

his research started sometime in spring 1978

commission determination be factually disproved.

Back Sup. 8 —

J.C. Bowden w/ Joe Ellis Gray

[redacted] –

Motorola – in Miss.
HQ – Beloxi
used to be a radio
technician w/ DL PD

records not kept on
to the exchange of
certain equipment
at a certain time

almost all of the
motorcycle equipment
was Motorola

three-wheeler motorcycles
used the same type
of radio equipment as the
automobiles – individual
mike like a two-
wheeler

Frequency – 45. mega
cycles

repeaters –
went to ou
repeaters –
a landli
to main t

we direct
car capa
had a tr
system –
transmit
to receiv

Capt. thinks
1st genera
real copy
the Bureau
he has a
of the rec
home.

police o
well – patri
you – this –
that sou

was in
wheeler

had no steady-by
transmit light

Feels that the equipment
was heavily cannibalized.

spec level was the
same over a period
of time.

200/3000
VOICE quality

[redacted] 7C
- Dispatcher
on ch. 1

Ch. 2 - was probably
a one frequency
channel - stand-by
channel

[redacted] 7C
- radio in

virtually continuous

12:30:55 Approx
time of the 1st shot
on ch. 1 time

The on-off
switch - some
wired hot - some
not - radio on
three wheeler probably
was not hot wired -
one explanation
why the motorcycle
was running.

[redacted]
WRR transmitter
communications
670-8747

[redacted] 7C

FD-340 REV. (6-14-77)

Field File No. 89-43 11390

OO and File No.

Date Received 9/19/80

From
(NAME OF CONTRIBUTOR)

(ADDRESS OF CONTRIBUTOR)

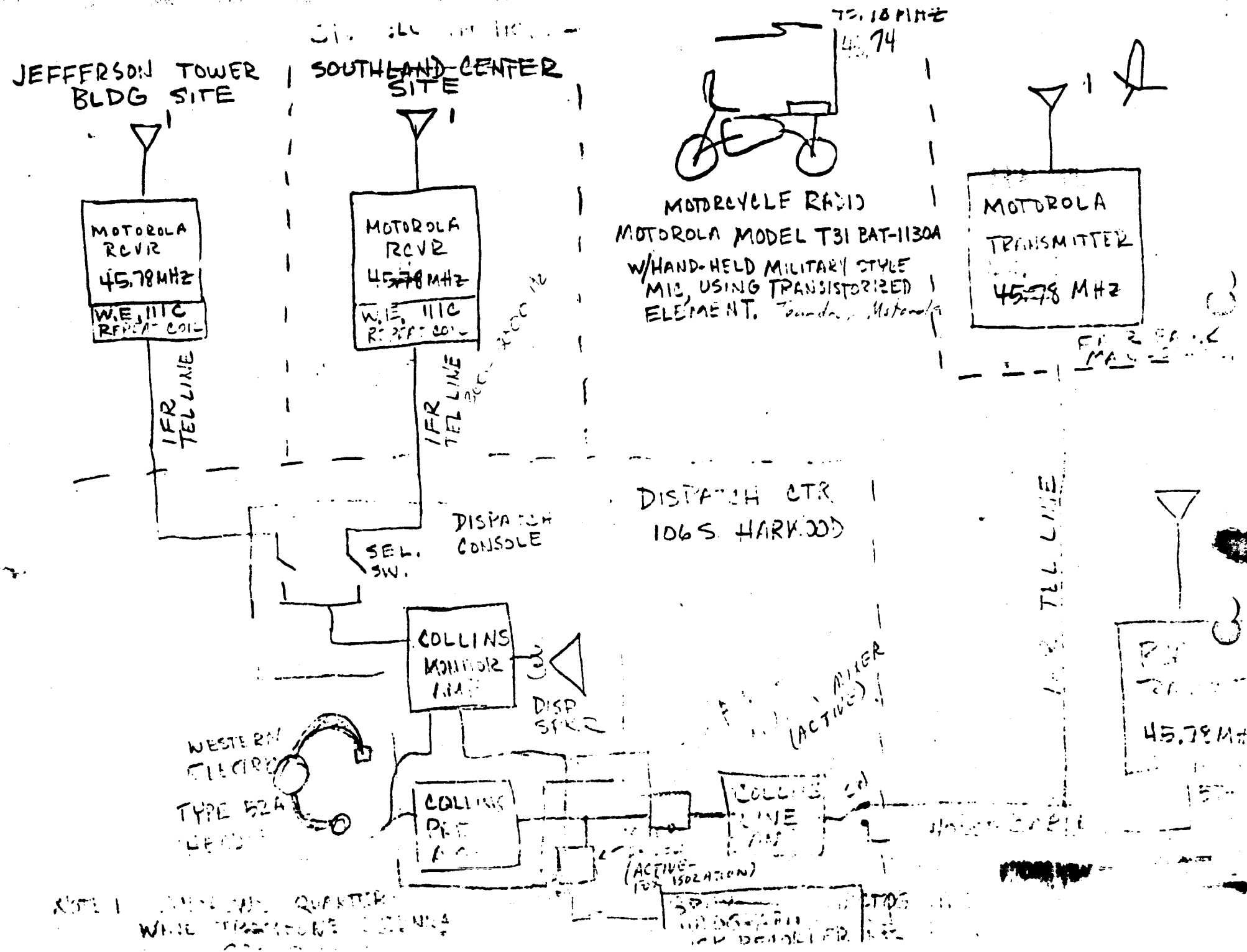
By SA [redacted]
(NA[redacted])

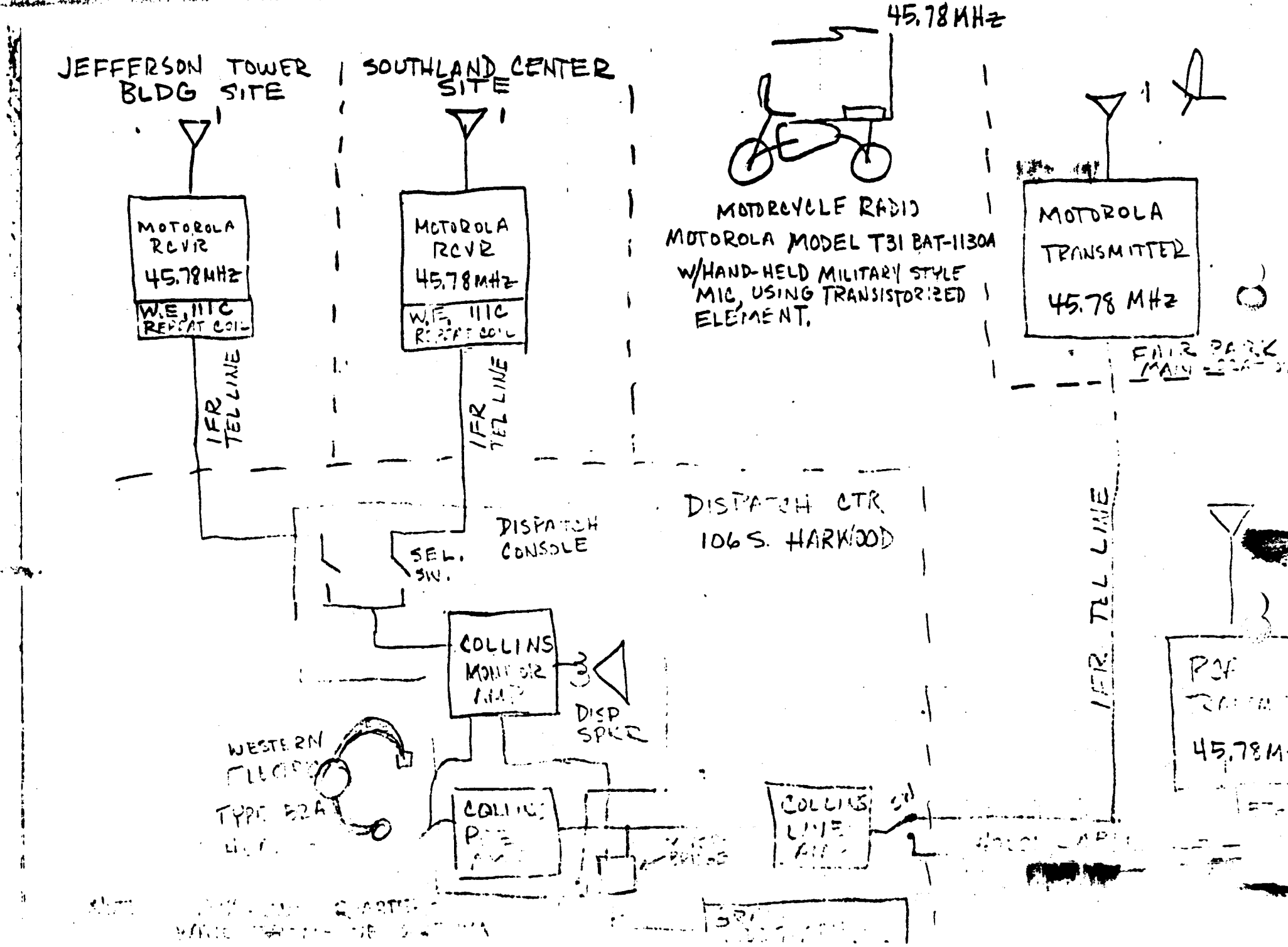
To Be Returned ☐ Yes ☒ No

Receipt Given ☐ Yes ☒ No

Description:

Notes re interview
with [redacted]
and [redacted]
as well as copy of
charts made available
by [redacted]


JEFFERSON TOWER BLDG SITE
SOUTHLAND CENTER SITE
MOTOROLA RCVR 45.78 MHz
W.E. 111C
MOTOROLA RCVR
W.E. 111C
IFR TEL LINE
IFR TEL LINE
DISPATCH CONSOLE
SEL. SW.
DISPATCH CTR
106 S. HARWOOD
COLLINS
DISP SPKR
MOTORCYCLE RADIO
MOTOROLA MODEL T31 BAT-1130A
W/HAND-HELD MILITARY STYLE MIC, USING TRANSISTORIZED ELEMENT.
MOTOROLA TRANSMITTER
TEL LINE
45.78 MHz
WESTERN ELECTRIC
TYPE 52A
COLLINS
(ACTIVE)
(ACTIVE ISOLATION)


45.78 MHz
JEFFERSON TOWER BLDG SITE
SOUTHLAND CENTER SITE
MOTOROLA RCVR 45.78 MHz
W.E. 111C REPEAT COIL
MOTOROLA RCVR 45.78 MHz
W.E. 111C REPEAT COIL
MOTORCYCLE RADIO
MOTOROLA MODEL T31 BAT-1130A
W/HAND-HELD MILITARY STYLE MIC, USING TRANSISTORIZED ELEMENT.
MOTOROLA TRANSMITTER 45.78 MHz
IFR TEL LINE
IFR TEL LINE
DISPATCH CONSOLE
SEL. SW.
DISPATCH CTR
106 S. HARWOOD
IFR TEL LINE
COLLINS
DISP SPKR
WESTERN
TYPE
COLLINS
COLLINS
45.78M

[redacted]

[redacted] →

Model # of Mobil Unit—

Model #

found an old Mobile Radio
of that vintage—

10:05A 9/17 Talked to [redacted]
explained to him as to what
I needed re equipment questions
said he would check to see
if he could find the data
& call me back—

[redacted] 9/19/80

Ch. 2 - parade traffic - Simple

the result to talking to 5 different people

some of the things they recall for

Sgt -

[redacted] - dispatcher

McCann

Motorola
radio Model T31 Bat - 1130A

Sample Radio Motorola

Transistorized Dispatcher Radiophone

Ser # 6-26786

Transmitter type CC1500

Model T31 BAT - 1130A

Motorola Inc, Chicago, Ill.

The same radio was in the two-wheeler & the three wheeler had to have some failure in the mike

9c

(2) 9/19

quality of phones line were better in 1963.

standard mobil mike

not noise cancelling mike - some noise cancelling circuitry

mike would have been a Motorola

Chart in for ch 2

W E - western Electric

WRR type equipment - broadcast quality audio

bell-gun over a man hole cover

-C

Mic audio switched by PTT to talk

teardrop mic - Motola

C1 Jeffer Tow & Stoneleigh Hotel

Manhole cover ~ chime

WRR - broadcast

WGHC high qual audio coupler

AGC on mic

Little use of compressor amp.

in 45 MHz

Inherent noise - source

sunspot - electrical device

noise always in sig.

Re

[redacted]

CITY OF DALLAS
Communication Services
3920 Forest Avenue
Dallas, Texas 75226

Telephone [redacted]