## SECRET

		<b>SPM 6081</b>		
ATTN :	Chief, OC-ONT Chief, OC-ONT/AAB	DGC 45 REV DATE 9 ORIG COMP 43 OFF 5	11:12 [	July 1956
	Chief, OC-SP	ORIG CLASS S PAGES SUST 22 NEXT REV 2	0/0 ABY.H MR 19-2	
	Tower and Antenna (Inverse Loren)	Installation	for Redio Loce	
	1. To March	1955 the Agency secure	d a contract to	50X <sup>2</sup>
,	an initial radio i determine a bearing of signals from the	the purpose of planni locating system. The p og of a radio station to be radio station at the locat and are as follow	ing, laying out and principle of this a my the simultaneous see controlled site	ystem is to reception
y	a. Outstation A			known as 50X
	b. Control Stat	• • •	to be known	s set 50X
	e.	to be known as	Outstation B (c/s	<b>3).</b> 50X
	representative	ons were held with man in order to statution B as a comple	certline the requir	rements neces- 50X
	was reached that	your representative at vers and antennas local	will mak	e errengements 50X
	3. The following information and attachments are submitted for guidance in the installation of the towers and antennas:			
	a. 2017			
	blu blu	r Type 1245 Trylon Town s shipped to prints for the install site.	Written specific	estions and 50X1
	ske	sement of towers is not teh is attached showing adment A.)		in. (See
	Sit	ing of antennas should	be made on	50X
		-,		7-11
		SCORI		

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SUBJECT: Tower and Antenna Installation Locating System (Inverse Loren) for Radio

50X1

## b. ATTEMAS

Two automas for the timing channel are used and they are 1/2 wavelength folded dipoles. (Details shown on Attachment B.)

These enternes are terminated with 300 chm transmission line to the terminal box, thence with MG-13/U occarial cable to the trailer. All entenne meterial is being shipped inside the trailer.

Receiving frequency is 2045 kes; entenna length is 226'6".

Transmitting frequency is 3165 kcs; antenna length is 147'8".

One vertical antenna and its base, shipped with the trailer, has been fabricated complete with my wires. This enterna is to be used for the signal channel which is to be connected to the Collins 51J Receiver.

Attachments:

A - Nough sketch of tower separations

B - Antenna details

Distribution:

Ohl - addressee

1 -

1 - chrono

50X1

50X1

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