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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
631 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

JUL 22 1980

State of Connecticut  
Department of Environmental Protection  
State Office Building  
ATTN: Mr. Joseph R. Smolen  
Hartford, Connecticut 06115

Dear Mr. Smolen:

Subject: Placement of Additional TLD Stations for the Haddam Neck Plant

The six additional TLD stations you have proposed are acceptable to us. Please provide us the details of their locations including sector, azimuth, zenith, dosimeter number and station number of each station. We also will need the necessary alterations to our driving route. Enclosed you will find twelve additional canisters and one copy of our driving route.

Thank you for your cooperation.

Sincerely,

Michael J. Slobodien  
Radiation Dosimetry Specialist

Enclosures:  
As Stated

8008070401

ENVIRONMENTAL RADIATION MONITORING NETWORK STATIONS  
CONNECTICUT YANKEE ATOMIC ELECTRIC COMPANY

<u>NRC STATION NO.</u>	<u>SECTOR</u>	<u>AZIMUTH</u>	<u>ZENITH</u>	<u>DESCRIPTION</u>	<u>CRITERIA SATISFIED*</u>
	N			NO STATION	
	NNE			NO STATION	
3	NE	45°	1.9 mi	On Route 151 near Frank Davis Resort	I, HPI
4	ENE	67°	2.3 mi	Intersection of State Routes 149 and 196	I, C
5	E	93°	1.6 mi	On State Route 149	I
6	ESE	115°	2.3 mi	On Mortimer Gelston Farm	I
7	SE	143°	1.9 mi	Substation on 9A State Route 9A	I, C
8	SSE	165°	1.6 mi	Plains Road off State Route 9A	I
9	S	174°	1.3 mi	Plains Road off State Route 9A	I
10	SSW	195°	0.7 mi	Route 9A Middlesex Extension Center	I, HPI
11	SW			NO STATION	
12	WSW	241°	0.8 mi	Conn. Justice Academy Jail Hill Rd. & Rt. 9A	I, HPI
13	W	263°	0.8 mi	Walkley Hill Rd. and Route 9A	I, LPZ
14	WNW	290°	1.9 mi	Walkley Hill Road	I, LPZ
15	NW	311°	1.5 mi	Rock Landing	I, NR
16	NNW	341°	1.2 mi	Upper Road	I, NR

<u>NRC STATION NO.</u>	<u>SECTOR</u>	<u>AZIMUTH</u>	<u>ZENITH</u>	<u>DESCRIPTION</u>	<u>CRITERIA* SATISFIED</u>
17	N	360°	2.3 mi	State Route 51 near Pine Brook	0
	NNE			NO STATION	
	NE			NO STATION	
20	ENE	66°	3.2 mi	East Haddam Public Library	0, LPZ, HPI
21	E	91°	2.8 mi	Orchard St. near State Route 151	0, LPZ
22	ESE	112°	3.2 mi	Substation on State Route 151	0, C
23	SE	137°	2.9 mi	Goodspeed Opera House	0, HPI, PC, C
24	SSE	155°	7.1 mi	Monsanto Plant Deep River	0, LPZ, C
	SE			NO STATION	
	SSW			NO STATION	
27	SW	225°	2.0 mi	Jail House Road	I
28	WSW	250°	3.5 mi	Haddam Jr. High School	0, HPI
30	WNW	286°	3.2 mi	CL&P Substation Higganum	0, C
32	NNW	327°	2.9 mi	Hurd Park Road	0, C
33	N	359°	6.4 mi	East Hampton Fire Department	0, HPI
35	NE	54°	10.7 mi	Colchester State Police Barracks	HPI
36	ENE	72°	8.8 mi	Lake Haywood Area	HPI
37	SSE	149°	6.8 mi	St. John's School	LPZ, HPI
38	SSE	158°	5.9 mi	Chester Fire Station	LPZ, HPI

<u>NRC STATION NO.</u>	<u>SECTOR</u>	<u>AZIMUTH</u>	<u>ZENITH</u>	<u>DESCRIPTION</u>	<u>CRITERIA* SATISFIED</u>
39	W	267°	8.8 mi	Coginchaug High Sch. & Korn School, Durham	LPZ, HPI
40	NW	307°	9.1 mi	"Old Gas Works" Middletown	PC, C
41	NW	313°	9.6 mi	U.S. Post Office Portland	PC, HPI
42	NW	320°	12.8 mi	Cromwell Fire Station	PC
43	NW	324°	18.4 mi	Newington Children's Hospital	HPI, PC
44	NNW	327°	14.8 mi	Rocky Hill High School	PC, HPI
45	N	343°	18.0 mi	Wethersfield, Conn. Dept. Labor	UWC, PC, HPI
46	SE	144°	4.8 mi	Smolens Residence	O
47	NNW	-	~20.0 mi	West Hartford	UWC
48	NNW	-	~20.0 mi	West Hartford	UWC
49	NNW	-	20.0 mi	Conn. State Capitol	PC, HPI, UWC
29	NNW	-	20.0 mi	Conn. State Capitol Security Office	HPI

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\* Explanation of symbols:

- I -- inner ring station
- O -- outer ring station
- NR -- nearest residence
- HPI -- high public interest location
- UWC -- upwind control station
- C -- station is collocated with licensee
- LPZ -- low population zone
- PC -- population center

ENVIRONMENTAL RADIATION MONITORING NETWORK  
CONNECTICUT YANKEE ATOMIC ELECTRIC STATION

Start at the Intersections of State Routes 9A and 81

Station 30 is located at the electric substation on State Route 81 just south of intersection with Route 9A in Higganum.

Return to Route 9A. Follow 9A north into Middletown. Proceed to the "old gas storage location off of State Route 17. Station 40 is colocated with NUSCO at this point.

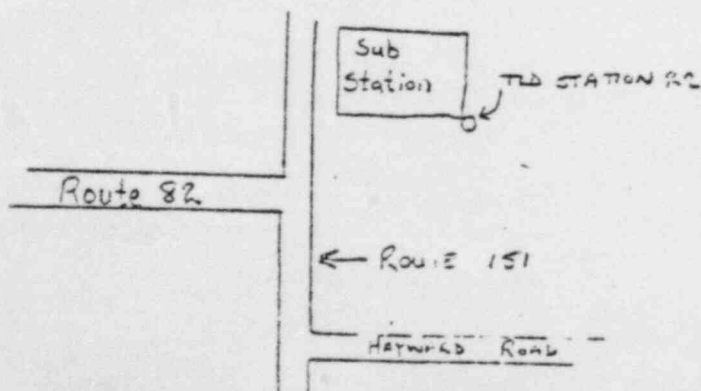
Return to Route 9A heading north (Main Street). Cross the Connecticut River via the Arrigoni Bridge. Follow State Route 17 Alt for approximately 0.8 mi. Station 41 is located on a pole marked "U. S. Government Property" adjacent to the Portland Post Office.

Reverse direction on Route 17 Alt. Get into left lane. Turn left at intersection with State Route 66. Follow Route 66 through the town of Cobalt. Route 66 intersects with Route 16A, however continue to follow Route 66 which is West High Street. Follow West High Street for ~1.3 miles to Barton Hill Road, turn right onto Barton Hill Road. Station 33 is located on the utility pole in front of the fire station side parking lot. The pole is designated SNET 1.

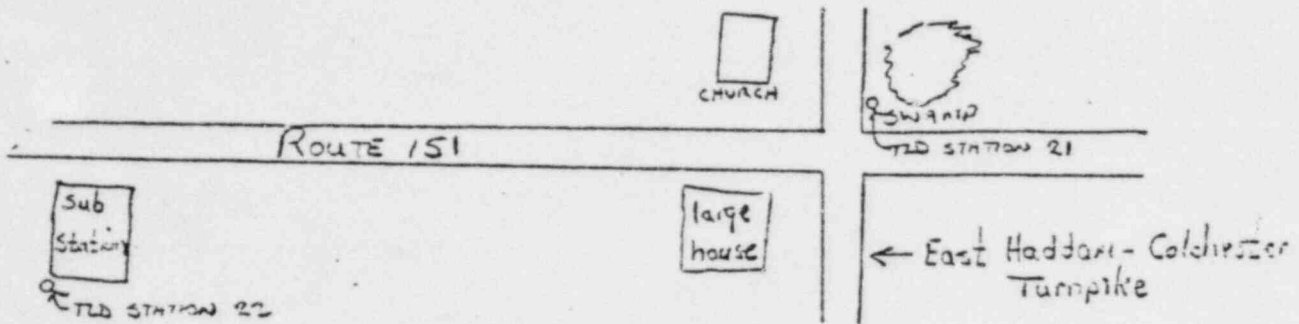
Go down the hill to State Routes 66 and 16. Follow Route 16 into Colchester. At State Route 85 turn left. Follow this to the State Police Barracks in Colchester. Station 35 is located on a utility pole to the right of the driveway and building as you face it.

Follow Route 85 south (return in the direction of Route 16). Follow this to Lake Haywood Road. This is near Route 2 underpass. Turn right onto Lake Haywood Road. Follow this as it turns into Shore Road. Continue to Town Road (a right turn just before beach area). Turn right on Town Road and follow to 90° turn at top of hill. Station 36 is on the utility pole at the top of the hill. *beach*

Return to Shore Road. Turn right and follow to its end. Turn right onto Haywardville Road. Follow this (as it changes names) to Route 151 to Moodus. At Route 151 turn right continue to the substation on Route 151 just north of the intersection with Route 82. This is Station 22. See diagram below:

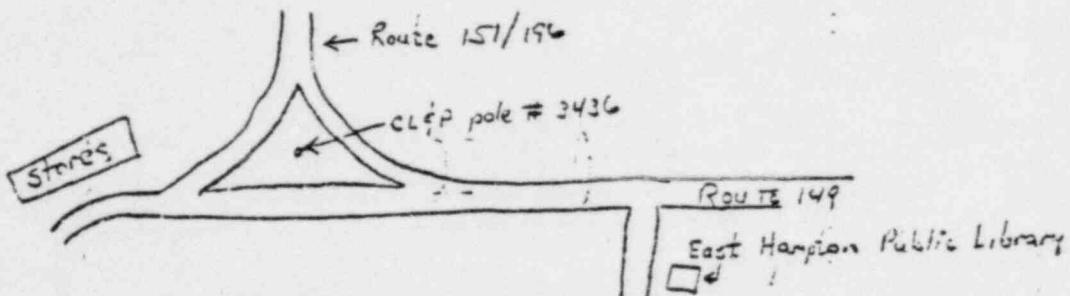


Continue north on Route 151 to the intersection with the East Haddam-Colchester Turnpike, also identified as Orchard Road. Place Station 21 as shown below:

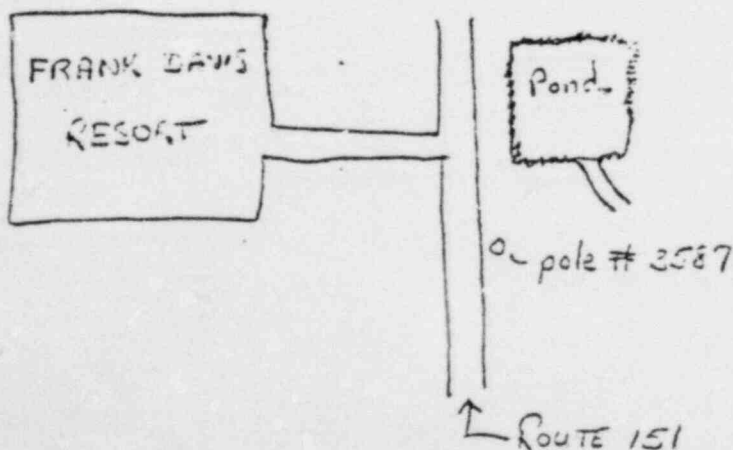


Continue north on Route 151 approximately 1.3 mi. Station 20 is placed on SNET pole #325 in front of the East Haddam Public Library.

Continue north on Route 151. Turn left onto Route 149 and follow this to the intersection with Route 96. Place Station 4 on CL&P utility pole #3436 on the center island opposite the small group of stores.

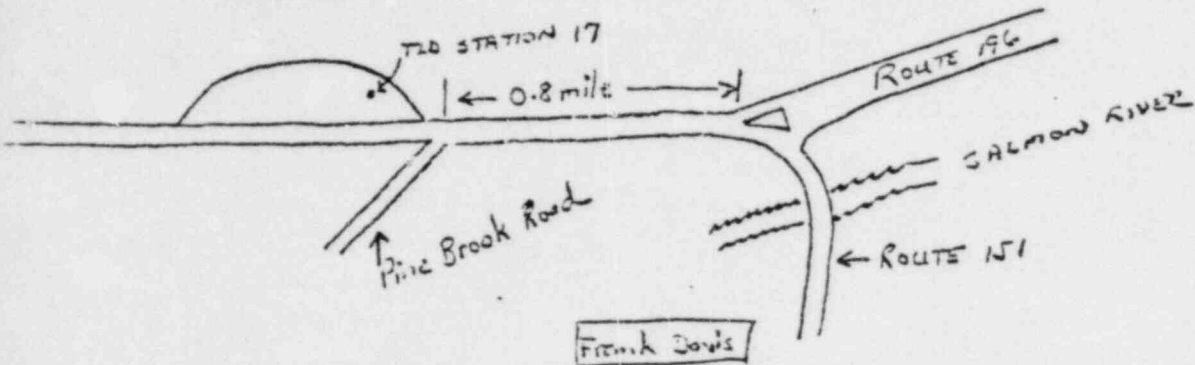


Continue north on Route 151 for approximately 1 mile. Place Station 3 on the utility pole #3587 just before the entrance to the Frank Davis Resort.





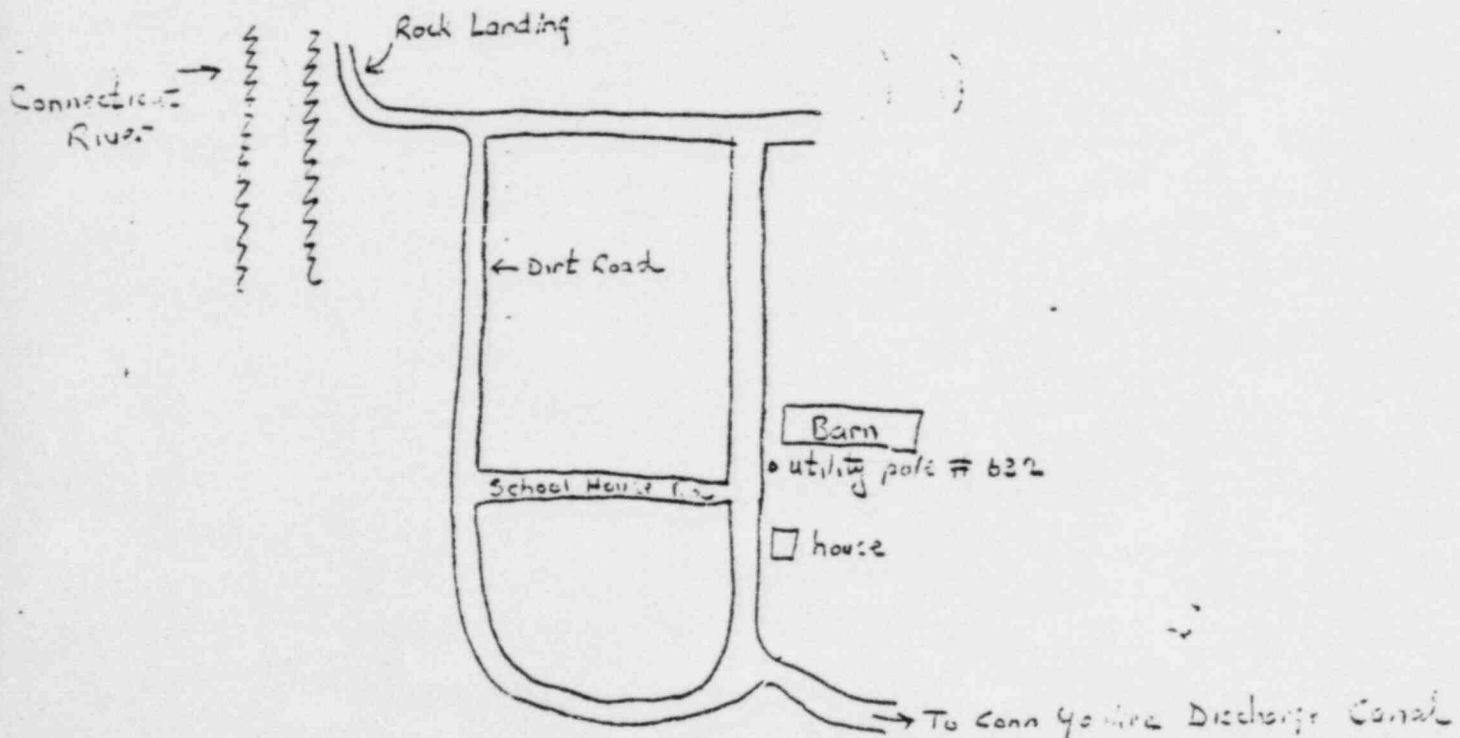
Continue north on Route 151. Cross the Salmon River, then continue to Moodus Road bearing left onto Route 151. Follow for ~0.8 miles to Pine Brook. Place Station 17 on the underground telephone line pole.



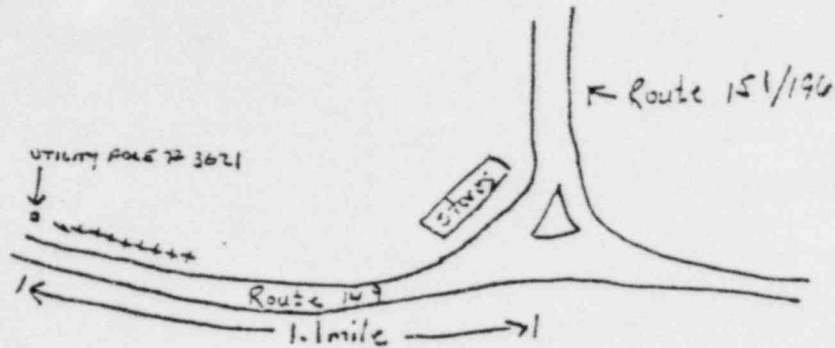
Continue on Route 151 for ~2.1 miles to HURD PARK ROAD. Turn left follow for ~1.0 mile to high tension line crossing. Place Station 32 on utility pole #959 under the high tension lines.

Continue on Hurd Park Road to its end. Turn right proceed for ~0.7 mile to Rock Landing. Place Station 15 on utility pole #421 opposite the boat storage.

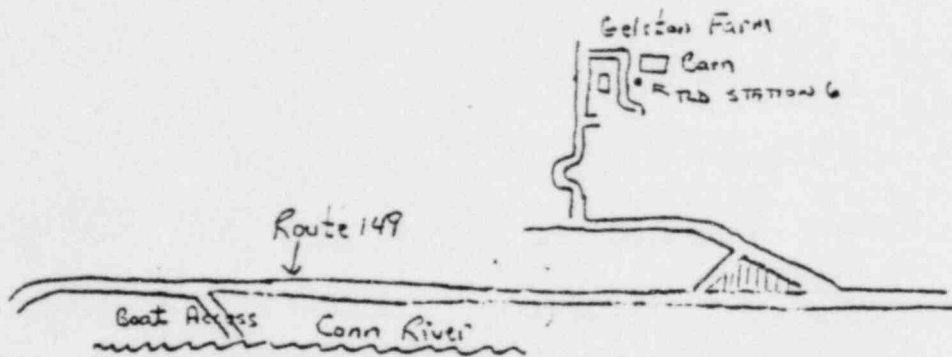
Follow diagram below to place Station 16 on utility pole #632.



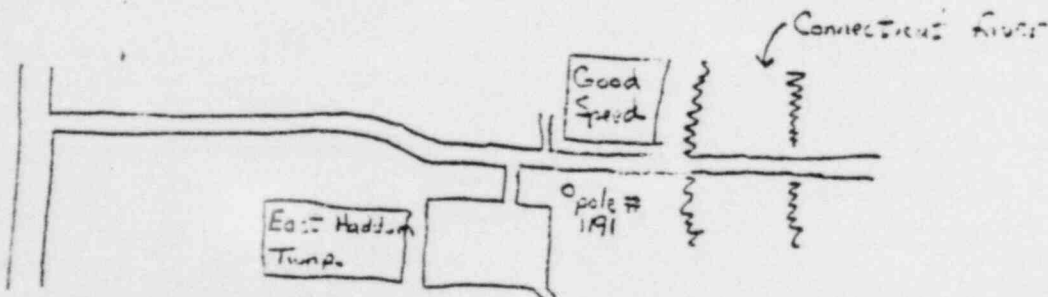
Return to Route 151 heading toward Moodus by following Upper Road to its beginning then turn right onto Haddam Neck Road. Continue to Moodus Road (Route 151) then turn right. Follow 151 to intersection with Route 149. Turn right onto Route 149 continue for 1.1 mile. Place Station 5 at utility pole #3621 as shown below:



Proceed to the Gelston Dairy Farm. Place Station 6 on the utility pole next to the metal utility building as shown:



Return to Route 149. Continue south to Route 82. Right turn onto Route 82. Place Station 23 at East Haddam Township Building just before bridge on utility pole #1191 opposite the Goodspeed Opera House.



Cross the Connecticut River. Head south on Route 9A to the J. Smolens residence. Place Station 46.



Continue route on Route 9A to Deep River. Go to St. John's School. Place Station 37 on the utility pole in the parking lot to the left of the main building.

Return to Route 9A. Turn left. Go to the Monsanto Plant in Deep River. Place Station 24 along side the NUSCO TLD at the electrical substation.

Return to Route 9A heading north to Route 148. Turn left onto Route 149 into Chester. Place Station 38 on the utility pole at the rear of the fire station on High Street.

Return to Route 9A heading north. Follow 9A for ~0.9 miles beyond the intersection of Route 82 to the electric substation on your right. Place Station 7 at the substation.

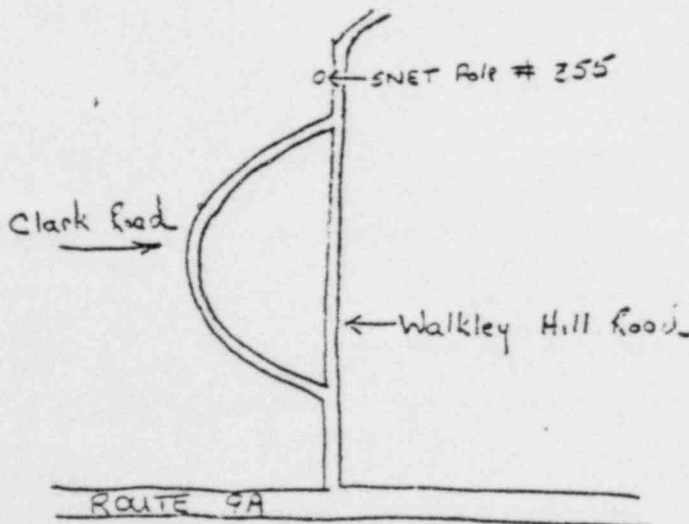
Continue north on Route 9A for ~1.3 miles to Shailerville. Turn left onto Plains Road. Place Station 8 on SNET Pole #519 (second pole beyond old Turnpike Road).

Continue on Plains Road for 0.5 mile. Place Station 9 on CL&P pole #1074 on south side of road near J. Kelsey residence.

Return to Route 9A heading north. Proceed to the Connecticut Justice Academy (~1 mile) at Jail Hill Road. Place Station 12 behind the Justice Academy building on CL&P pole #137.

Follow Jail House Road 0.4 mile. Place Station 27 on SNET pole #2351 in front of W. K. Brooks residence.

Continue on Walkley Hill Road ~1.5 miles. Pass the second intersection of Clark Road. Place Station 14 on SNET pole #355 approximately 0.1 mile beyond the second intersection of Clark Road.



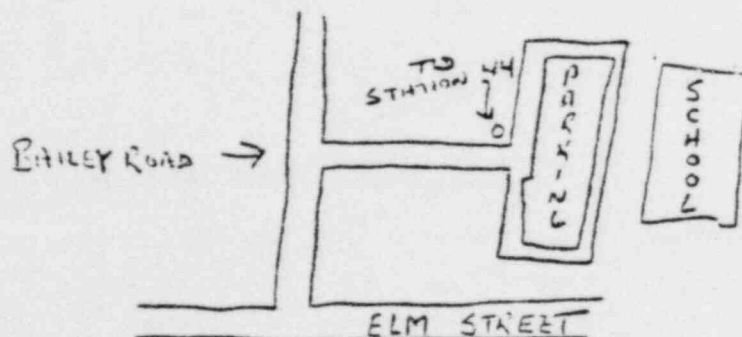
Return to Route 9A heading north. Follow to Route 81 then left onto 81. Continue ~1.9 mile to Little City Road. Turn right onto Little City Road. Place Station 28 on SNET pole #3046 opposite the Haddam Jr. High School.

Continue on Little City Road ~2.6 mile, turn right onto continuation of Little City Road. Follow this for ~4.4 mile as it becomes Foothills Road. Turn left onto Johnson Lane (this may not be marked). Follow Johnson Lane for ~1.8 miles to Maiden Lane. Left on Maiden Lane for ~0.7 mile. Place Station 39 at Coginchaug Regional High School on SNET pole #1.



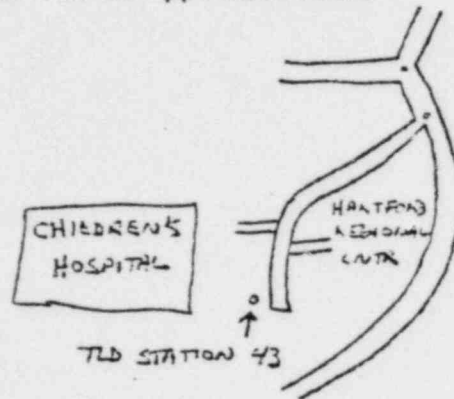
From Korn School proceed to Route 17 toward Middletown. Continue to Route 9 the Route 99. Follow Route 99 to Geer Street. Geer Street is approximately 4.5 miles N after passing under Arrigoni Bridge. Left on Geer Street to the Cromwell Fire Station. Station 42 is located on the old radio tower in front of the fire station.

Return to Route 99. Continue north on Route 99 (Silas Deane Highway) ~2.8 mile to Elm Street. Left on Elm Street for ~0.7 mile to Bailey Road. Right on Bailey to High School entrance road. Place Station 44 on SNET pole #1895 opposite the school entrance.

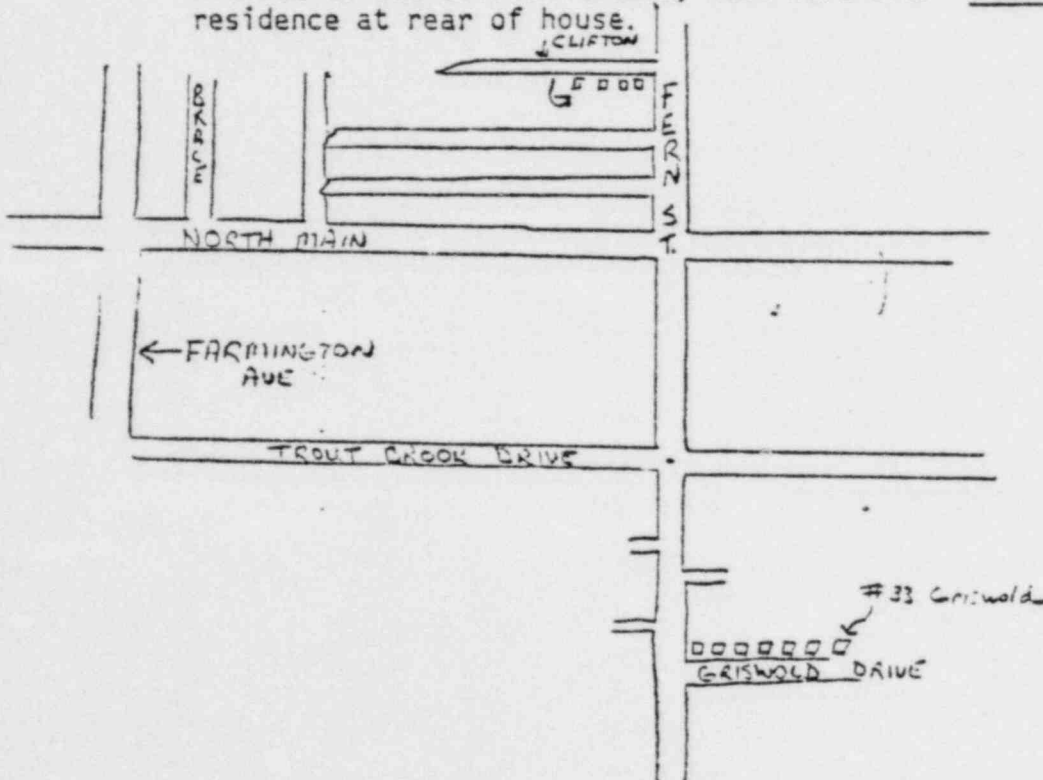


Return to Route 99. Go to Connecticut State Department of Labor on Folly Brook Boulevard in Wethersfield. Station 45 is on HELCO pole #26 in front of the building.

Proceed to Newington Children's Hospital. Place Station 43 on SNET pole #597 just before dead end on approach road.



Proceed to 162 Clifton Avenue, West Hartford. Station 47 is at A. Heubner residence at rear of house.



Station 48 is located at 33 Griswold Drive at rear of house as shown above.

Go to State Capitol Building in Hartford. Station 29 is located inside the security guard office on east wall. Station 49 is located on the light pole opposite the main entrance as shown.

