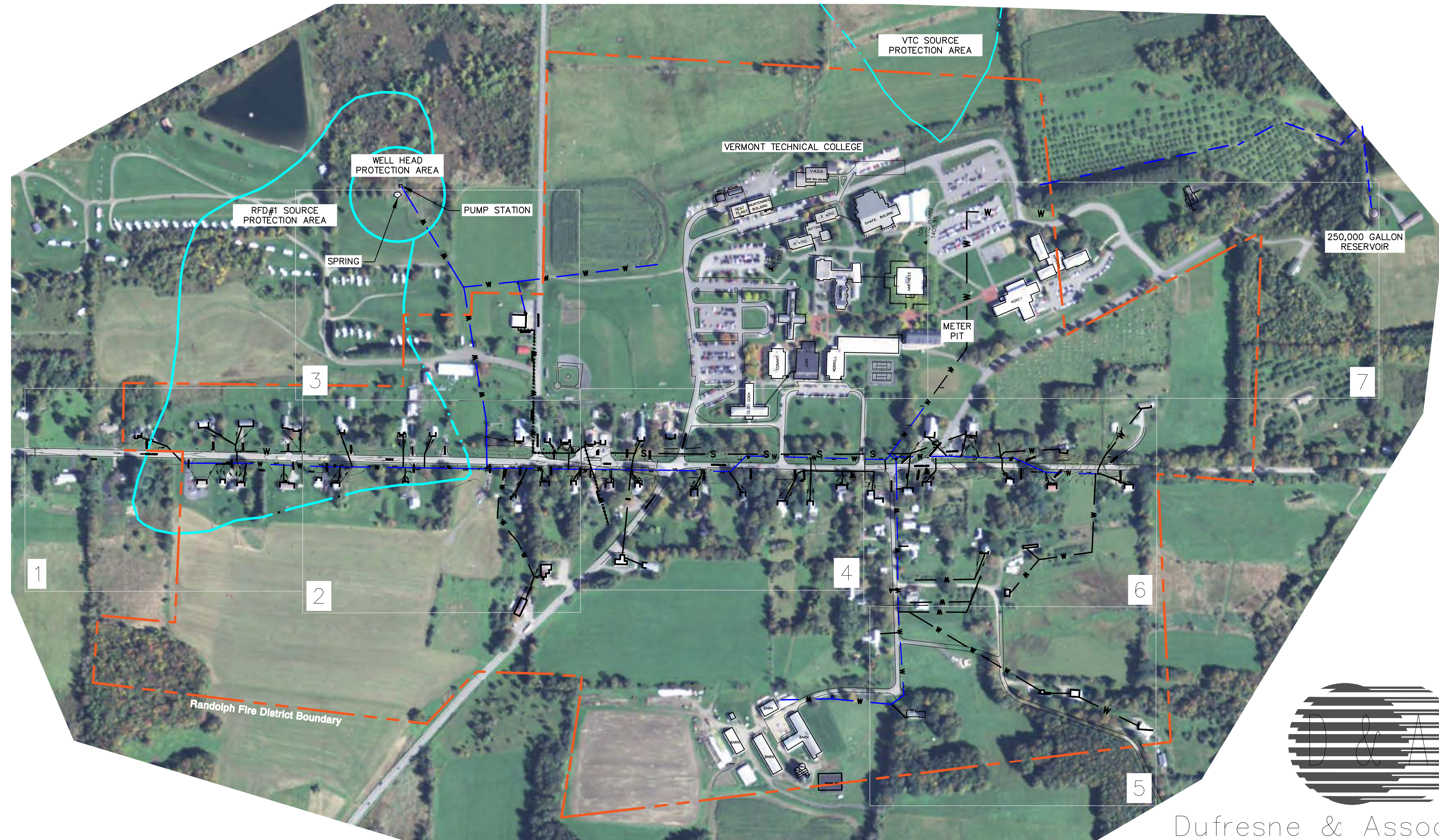
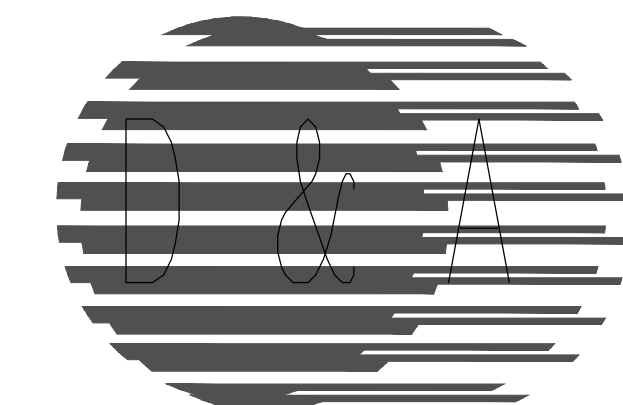
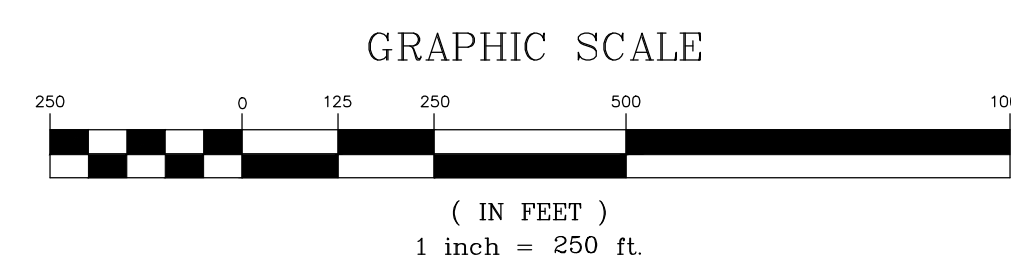


# RANDOLPH FIRE DISTRICT #1 WATER SYSTEMS BASE MAPS RANDOLPH CENTER, VERMONT NOVEMBER 27, 2007



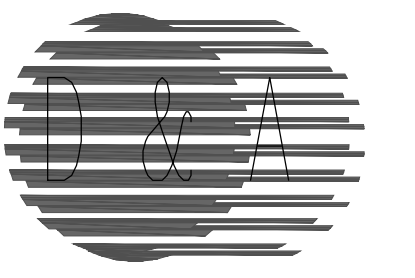
## SHEET INDEX

- COVER
- C1 ROUTE 66
  - C2 ROUTE 66 (CONTINUED)
  - C3 FIRE DEPARTMENT
  - C4 EAST BETHEL ROAD
  - C5 LUMBRA PROPERTIES
  - C6 EAST BETHEL ROAD (CONTINUED)
  - C7 RESERVOIR TANK



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Project #	417005.1
Project Mgr.	R.E. DUFRESNE
Design	MARK WALKER
Drawn	CML
Checked by	R.E. DUFRESNE
Date	SEPTEMBER, 2007
Scale	AS SHOWN
Approved by	R.E. DUFRESNE

Revisions: 1/2017 by Bill DeFlorio

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RANDOLPH FIRE DISTRICT #1

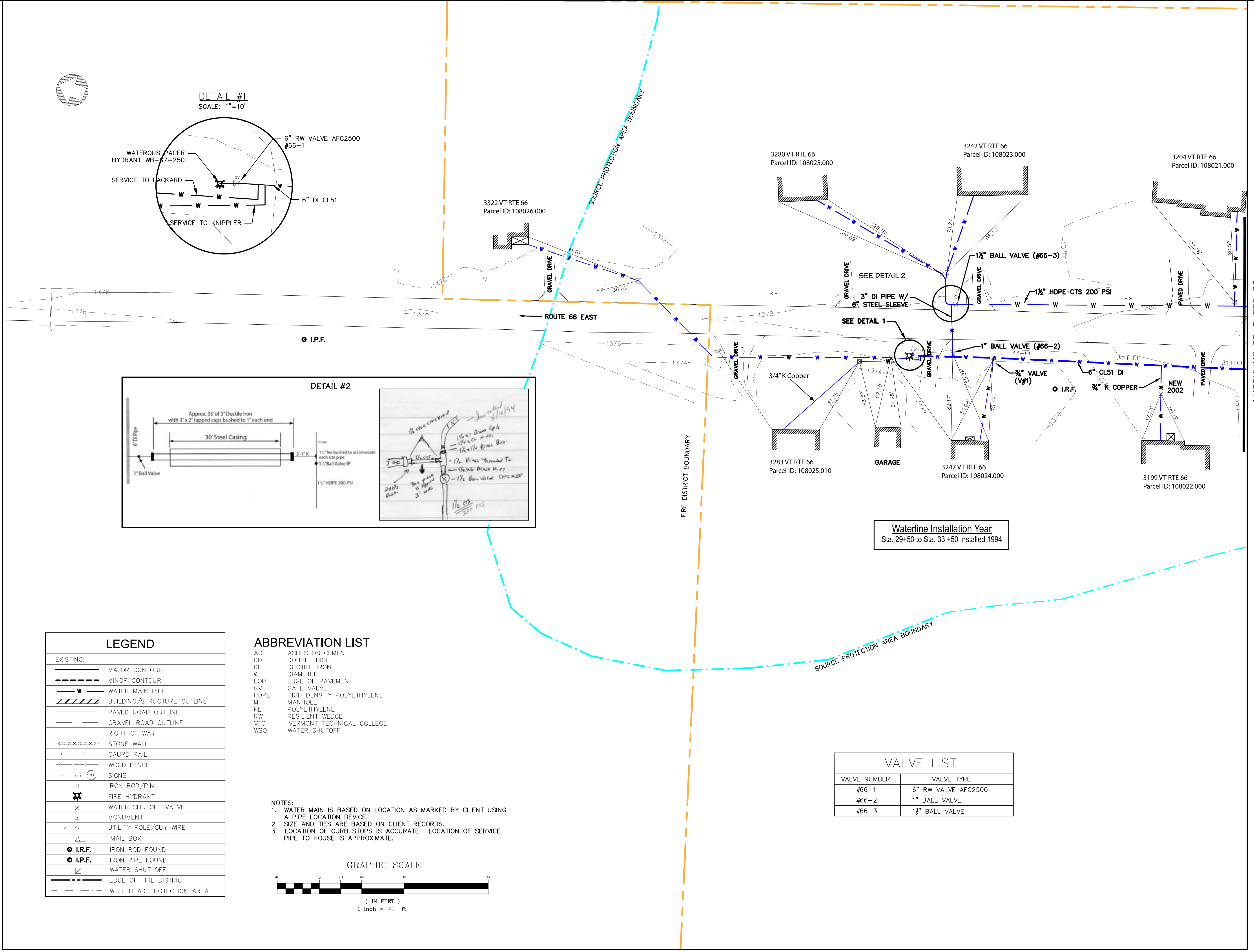
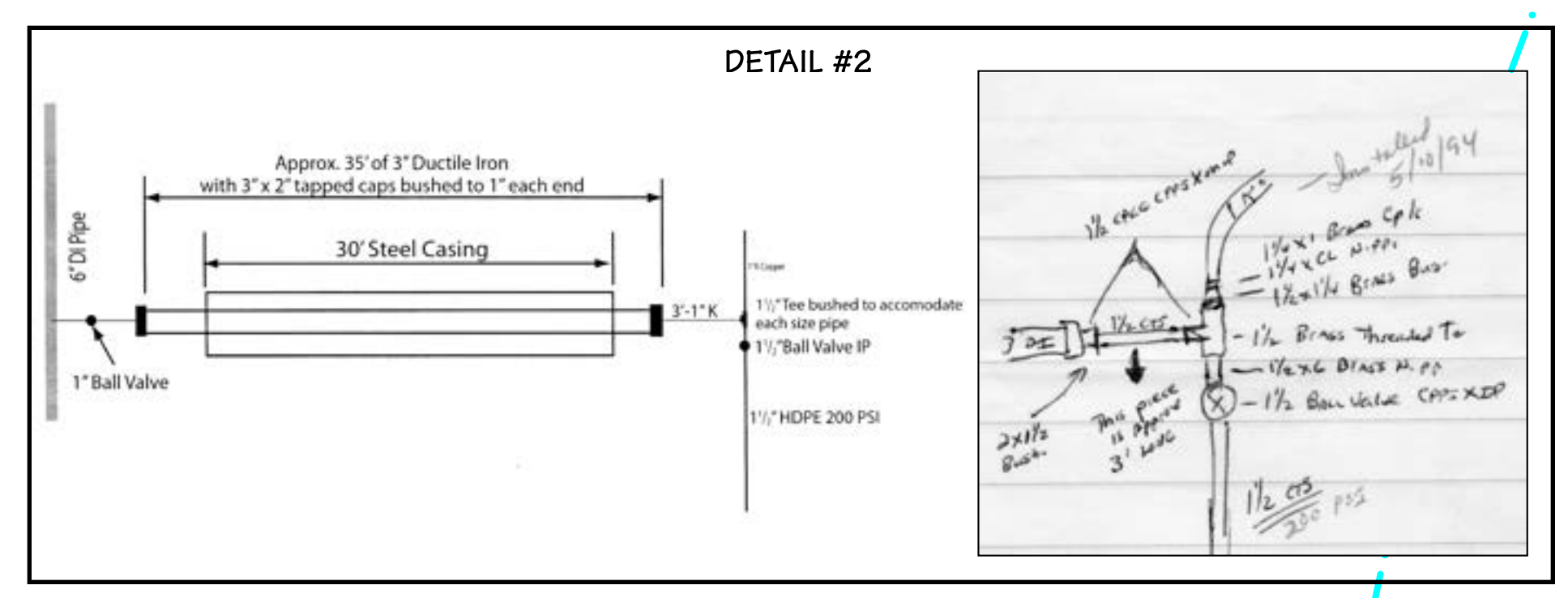
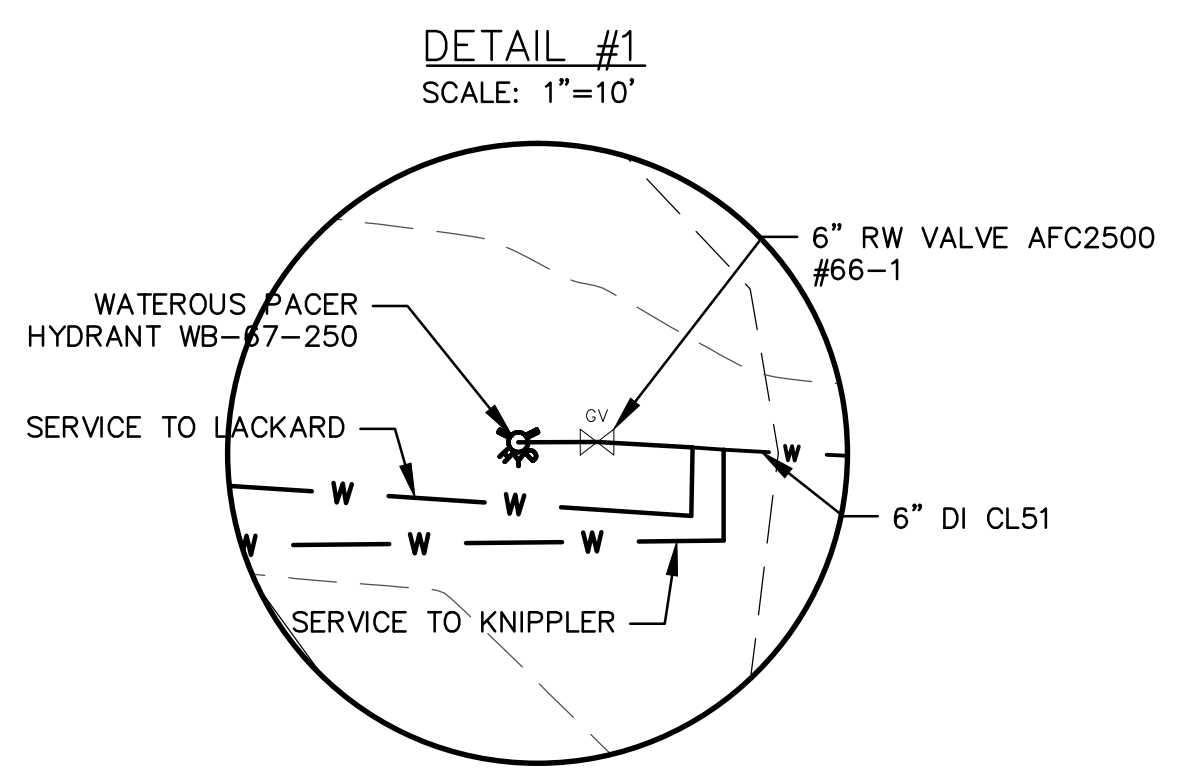
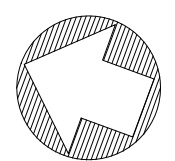
WATER SYSTEM BASE MAP  
 ROUTE 66

RANDOLPH, VERMONT

C1

DWG. NO. 417005SV02

SHEET 1 OF 7

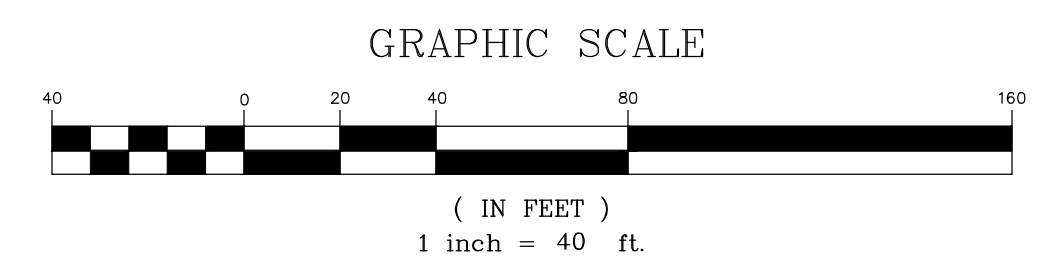


Waterline Installation Year  
 Sta. 29+50 to Sta. 33+50 Installed 1994

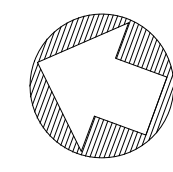
LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	● I.R.F. IRON ROD FOUND
	● I.P.F. IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA

ABBREVIATION LIST	
AC	ASBESTOS CEMENT
DD	DOUBLE DISC
DI	DUCTILE IRON
Ø	DIAMETER
EOP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
MH	MANHOLE
PE	POLYETHYLENE
RW	RESILIENT WEDGE
VTC	VERMONT TECHNICAL COLLEGE
WSO	WATER SHUTOFF

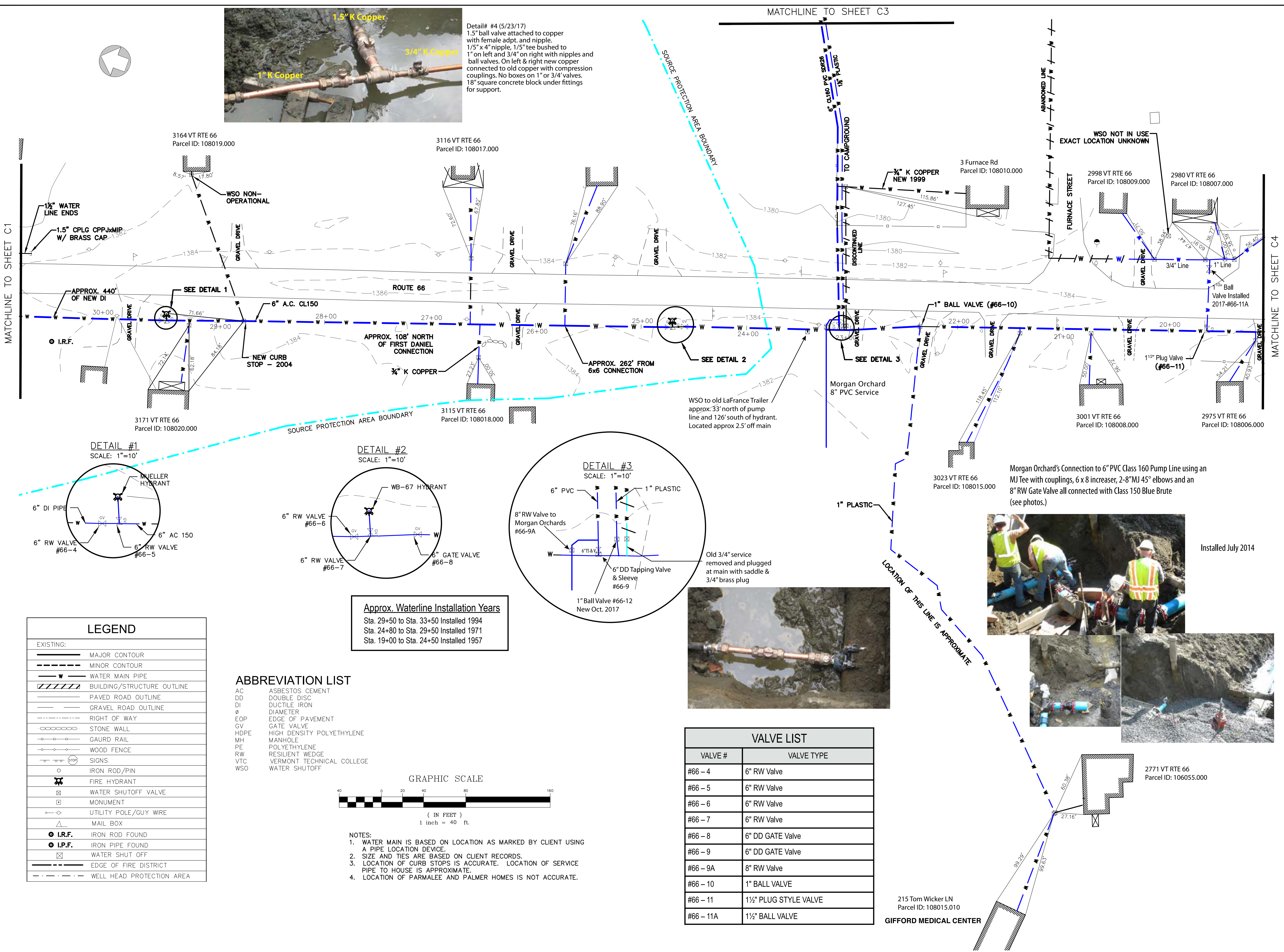
- NOTES:  
 1. WATER MAIN IS BASED ON LOCATION AS MARKED BY CLIENT USING A PIPE LOCATION DEVICE.  
 2. SIZE AND TIES ARE BASED ON CLIENT RECORDS.  
 3. LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.



VALVE LIST	
VALVE NUMBER	VALVE TYPE
#66-1	6" RW VALVE AFC2500
#66-2	1" BALL VALVE
#66-3	1 1/4" BALL VALVE



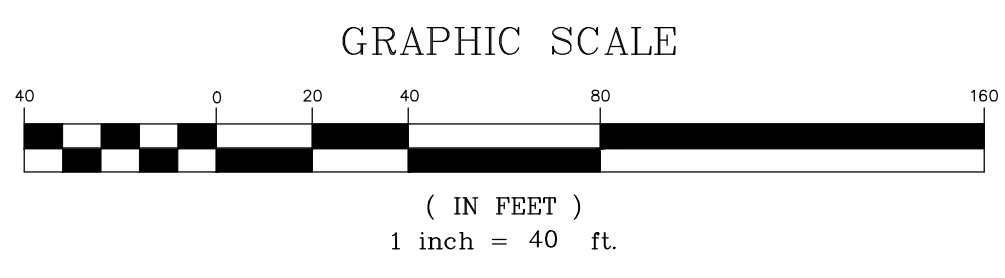
Detail # 4 (5/23/17)  
 1.5" ball valve attached to copper with female adpt. and nipple.  
 1/5" x 4" nipple, 1/5" tee bushed to 1" on left and 3/4" on right with nipples and ball valves. On left & right new copper connected to old copper with compression couplings. No boxes on 1" or 3/4" valves. 18" square concrete block under fittings for support.



LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	IRON ROD FOUND
	IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA

ABBREVIATION LIST	
AC	ASBESTOS CEMENT
DD	DOUBLE DISC
DI	DUCTILE IRON
Ø	DIAMETER
EOP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
MH	MANHOLE
PE	POLYETHYLENE
RW	RESILIENT WEDGE
VTC	VERMONT TECHNICAL COLLEGE
WSO	WATER SHUTOFF

Approx. Waterline Installation Years	
Sta. 29+50 to Sta. 33+50	Installed 1994
Sta. 24+80 to Sta. 29+50	Installed 1971
Sta. 19+00 to Sta. 24+50	Installed 1957



- NOTES:
1. WATER MAIN IS BASED ON LOCATION AS MARKED BY CLIENT USING A PIPE LOCATION DEVICE.
  2. SIZE AND TIES ARE BASED ON CLIENT RECORDS.
  3. LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.
  4. LOCATION OF PARMALEE AND PALMER HOMES IS NOT ACCURATE.

VALVE LIST	
VALVE #	VALVE TYPE
#66 - 4	6" RW Valve
#66 - 5	6" RW Valve
#66 - 6	6" RW Valve
#66 - 7	6" RW Valve
#66 - 8	6" DD GATE Valve
#66 - 9	6" DD GATE Valve
#66 - 9A	8" RW Valve
#66 - 10	1" BALL VALVE
#66 - 11	1 1/2" PLUG STYLE VALVE
#66 - 11A	1 1/2" BALL VALVE



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 Home page: http://www.dufresneassociates.com

Project #	417005.1
Project Mgr.	R.E. DUFRESNE
Design	MARK WALKER
Drawn	CML
Checked by	R.E. DUFRESNE
Date	SEPTEMBER, 2007
Scale	AS SHOWN
Approved by	R.E. DUFRESNE

Revisions:

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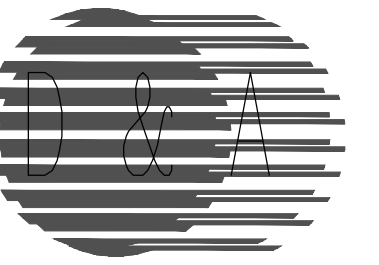
Dufresne & Associates, PC ©

RANDOLPH FIRE DISTRICT #1

WATER SYSTEM BASE MAP  
 ROUTE 66 (CONTINUED)

RANDOLPH, VERMONT

C2



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Approved by	R.E. DUFRESNE

Revisions:  
 REVISED JAN 2017

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RANDOLPH FIRE DISTRICT #1

WATER SYSTEM BASE MAP  
 FIRE DEPARTMENT

RANDOLPH, VERMONT

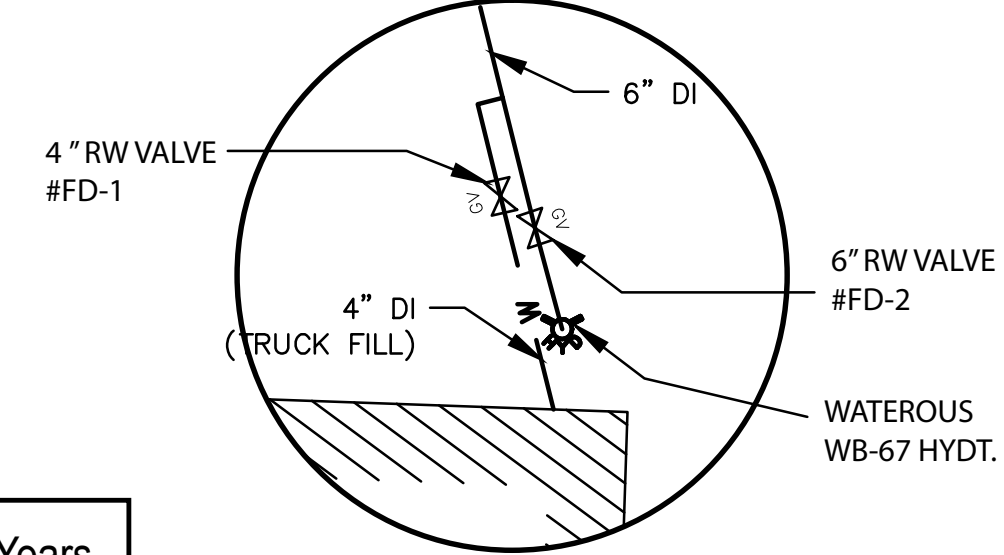
C3

DWG. NO. 417005SV02

SHEET 3 OF 7

VERMONT VETERANS CEMETERY  
 STATE OF VERMONT

DETAIL #1  
 SCALE: 1"=10'



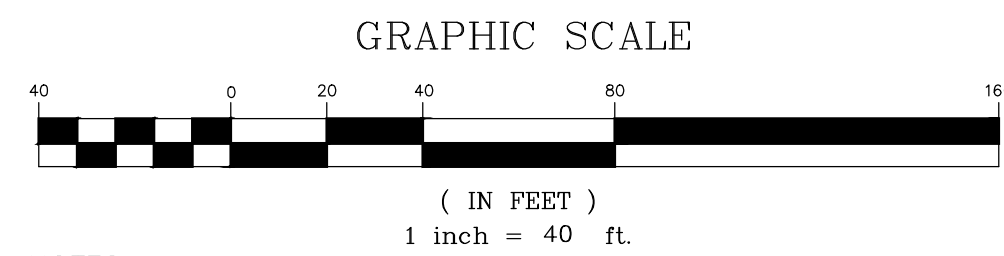
Approx. Waterline Installation Years  
 Spring Line Installed 1977  
 Valve Vault to VTC Meter Vault Installed 1994

NOTE:  
 FOR DETAILS OF 6" LINE TO VTC METER VAULT  
 SEE PLAN DATED DECEMBER 6, 1993 TITLED  
 "VERMONT TECHNICAL COLLEGE WATER SYSTEM  
 IMPROVEMENTS MUNICIPAL SPRING TRANSMISSION LINE"

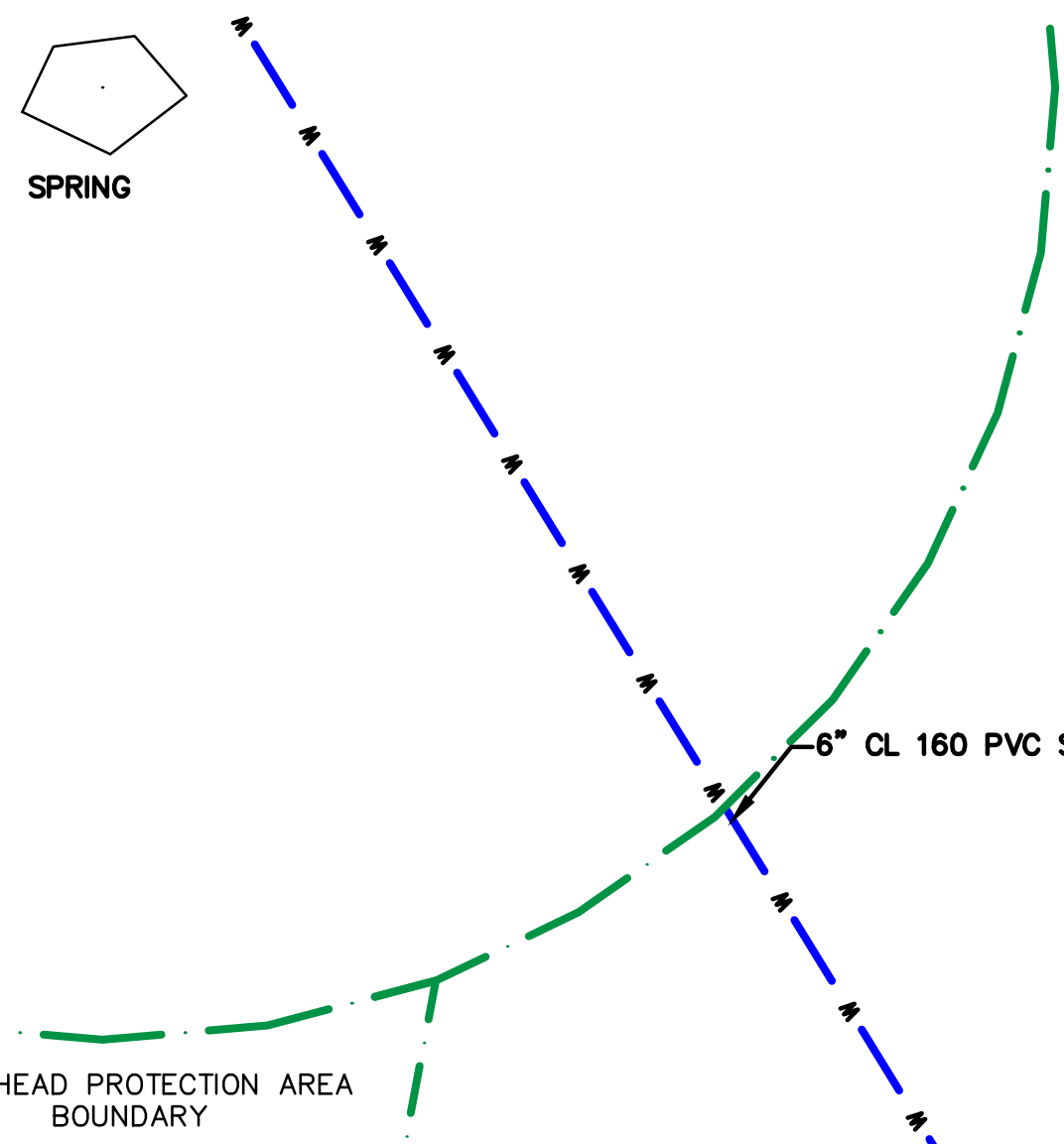
VALVE LIST	
VALVE #	VALVE TYPE
#FD - 1	4" RW Valve
#FD - 2	6" RW Valve
#FD - 3	6" RW Valve

LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	IRON PIPE FOUND
	WATER SHUT OFF
	MANHOLE
	VALVE VAULT
	WATER SHUT OFF
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	IRON ROD FOUND
	IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA

ABBREVIATION LIST	
AC	ASBESTOS CEMENT
DD	DOUBLE DISC
DI	DUCTILE IRON
Ø	DIAMETER
EOP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
MH	MANHOLE
PE	POLYETHYLENE
RW	RESILIENT WEDGE
VTC	VERMONT TECHNICAL COLLEGE
WSO	WATER SHUTOFF



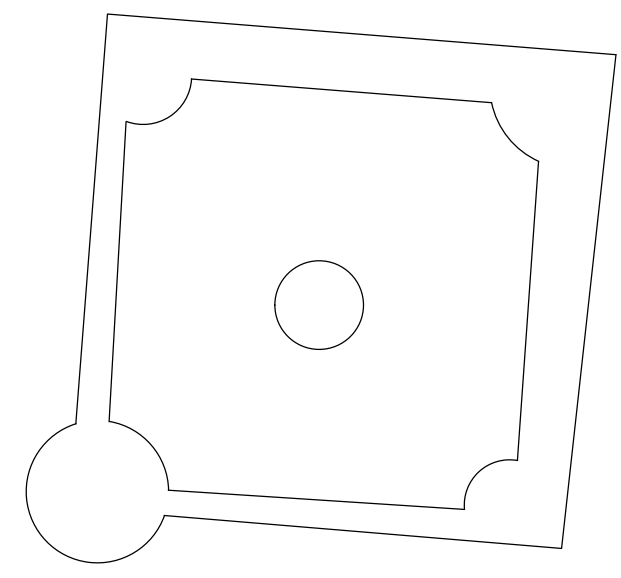
NOTES:  
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 3. LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.



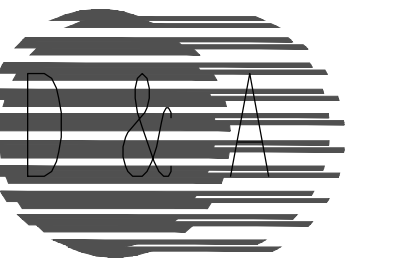
CLARK & SHERYL CAMPBELL  
 LAKE CHAMPAGNE CAMPGROUND

RANDOLPH CENTER  
 FIRE DEPARTMENT

CLARK & SHERYL CAMPBELL  
 LAKE CHAMPAGNE CAMPGROUND



MATCHLINE TO SHEET C2



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Project # 417005.1  
 Project Mgr. R.E. DUFRESNE  
 Design MARK WALKER  
 Drawn CML  
 Checked by R.E. DUFRESNE  
 Date SEPTEMBER, 2007  
 Scale AS SHOWN  
 Approved by R.E. DUFRESNE

Revisions:  
 1/30/2017 by Bill DeFlorio

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RANDOLPH FIRE DISTRICT #1

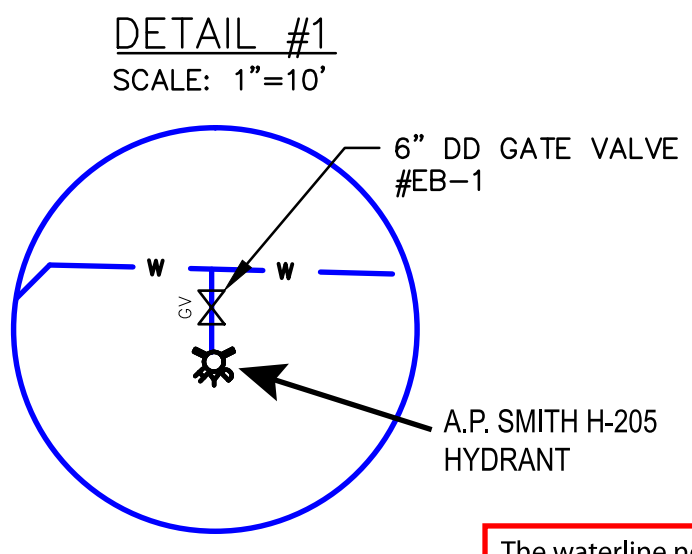
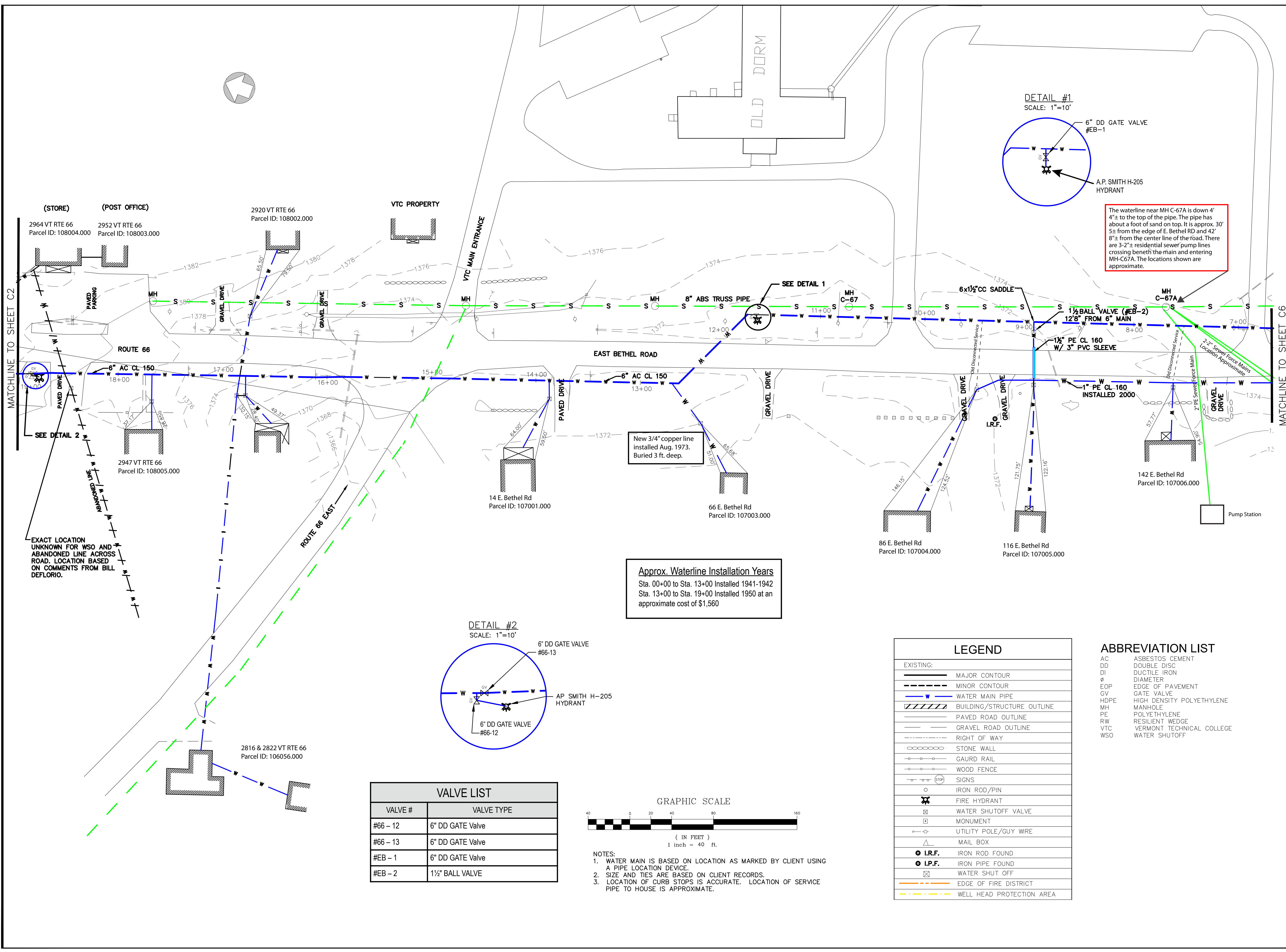
WATER SYSTEM BASE MAP  
 EAST BETHEL ROAD

RANDOLPH, VERMONT

C4

DWG. NO. 417005SV02

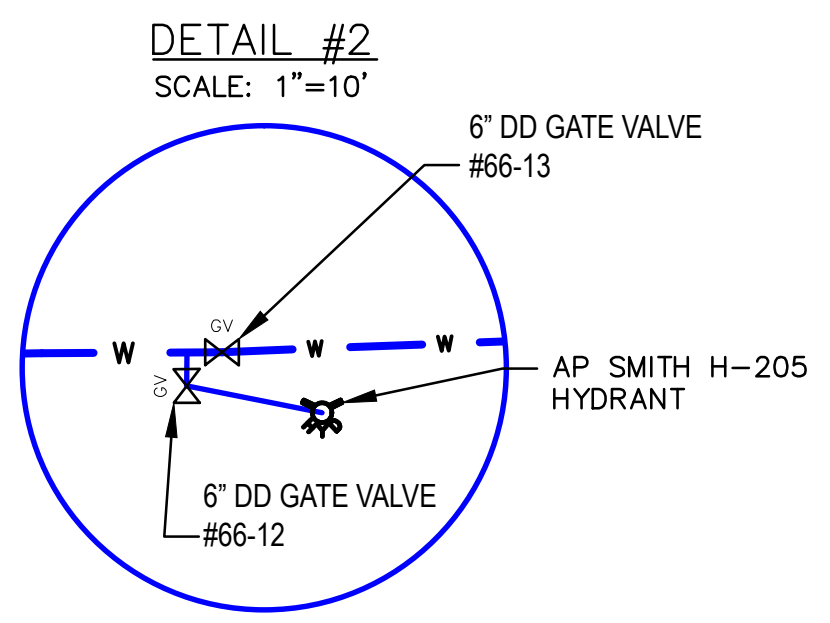
SHEET 4 OF 7



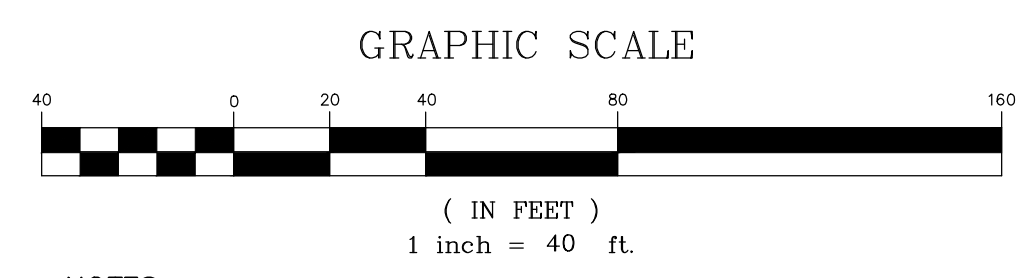
The waterline near MH C-67A is down 4' ± to the top of the pipe. The pipe has about a foot of sand on top. It is approx. 30' 5" ± from the edge of E. Bethel RD and 42' 8" ± from the center line of the road. There are 3-2" ± residential sewer pump lines crossing beneath the main and entering MH-C67A. The locations shown are approximate.

New 3/4" copper line installed Aug. 1973. Buried 3 ft. deep.

Approx. Waterline Installation Years  
 Sta. 00+00 to Sta. 13+00 Installed 1941-1942  
 Sta. 13+00 to Sta. 19+00 Installed 1950 at an approximate cost of \$1,560



VALVE #	VALVE TYPE
#66 - 12	6" DD GATE Valve
#66 - 13	6" DD GATE Valve
#EB - 1	6" DD GATE Valve
#EB - 2	1 1/2" BALL VALVE



NOTES:  
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LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	I.R.F. IRON ROD FOUND
	I.P.F. IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA

ABBREVIATION LIST	
AC	ASBESTOS CEMENT
DD	DOUBLE DISC
DI	DUCTILE IRON
Ø	DIAMETER
EOP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
MH	MANHOLE
PE	POLYETHYLENE
RW	RESILIENT WEDGE
VTC	VERMONT TECHNICAL COLLEGE
WSO	WATER SHUTOFF

(STORE) 2964 VT RTE 66 Parcel ID: 108004.000  
 (POST OFFICE) 2952 VT RTE 66 Parcel ID: 108003.000  
 2920 VT RTE 66 Parcel ID: 108002.000

2947 VT RTE 66 Parcel ID: 108005.000

14 E. Bethel Rd Parcel ID: 107001.000

66 E. Bethel Rd Parcel ID: 107003.000

86 E. Bethel Rd Parcel ID: 107004.000

116 E. Bethel Rd Parcel ID: 107005.000

142 E. Bethel Rd Parcel ID: 107006.000

2816 & 2822 VT RTE 66 Parcel ID: 106056.000

MATCHLINE TO SHEET C2

MATCHLINE TO SHEET C6

EXACT LOCATION UNKNOWN FOR WSO AND ABANDONED LINE ACROSS ROAD. LOCATION BASED ON COMMENTS FROM BILL DEFLORIO.

ROUTE 66

EAST BETHEL ROAD

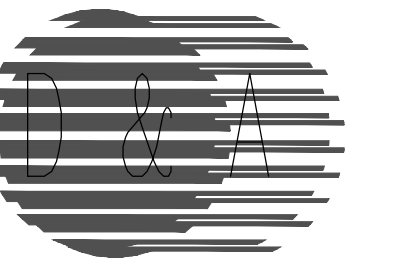
ROUTE 66 EAST

VTC PROPERTY

VTC MAIN ENTRANCE

OLD DORM

Pump Station



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Revisions:

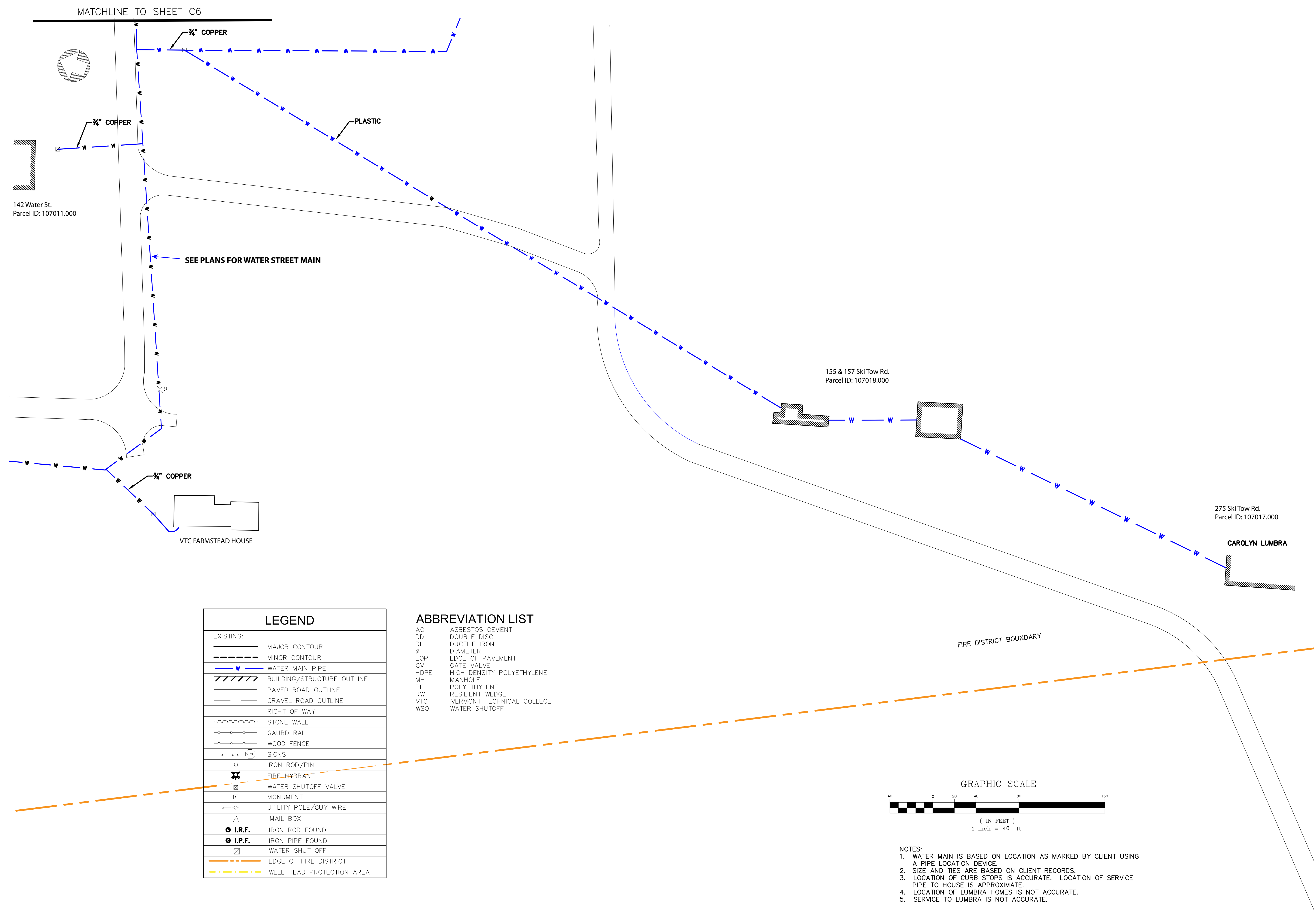
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RANDOLPH FIRE DISTRICT #1

WATER SYSTEM BASE MAP  
 LUMBRA PROPERTIES

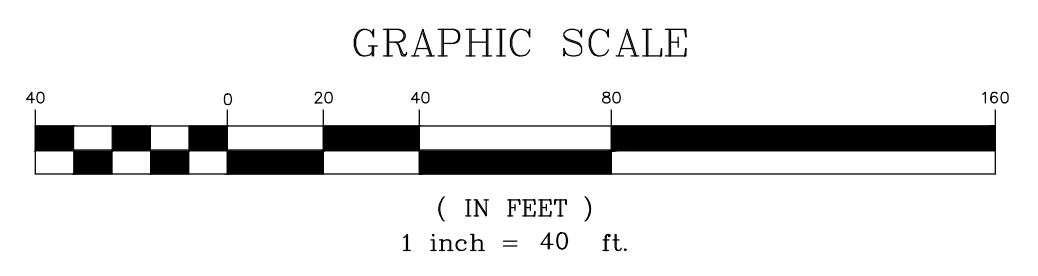
RANDOLPH, VERMONT

C5



LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	I.R.F. IRON ROD FOUND
	I.P.F. IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
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ABBREVIATION LIST	
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DD	DOUBLE DISC
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WSO	WATER SHUTOFF



- NOTES:
1. WATER MAIN IS BASED ON LOCATION AS MARKED BY CLIENT USING A PIPE LOCATION DEVICE.
  2. SIZE AND TIES ARE BASED ON CLIENT RECORDS.
  3. LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.
  4. LOCATION OF LUMBRA HOMES IS NOT ACCURATE.
  5. SERVICE TO LUMBRA IS NOT ACCURATE.

142 Water St.  
 Parcel ID: 107011.000

SEE PLANS FOR WATER STREET MAIN

155 & 157 Ski Tow Rd.  
 Parcel ID: 107018.000

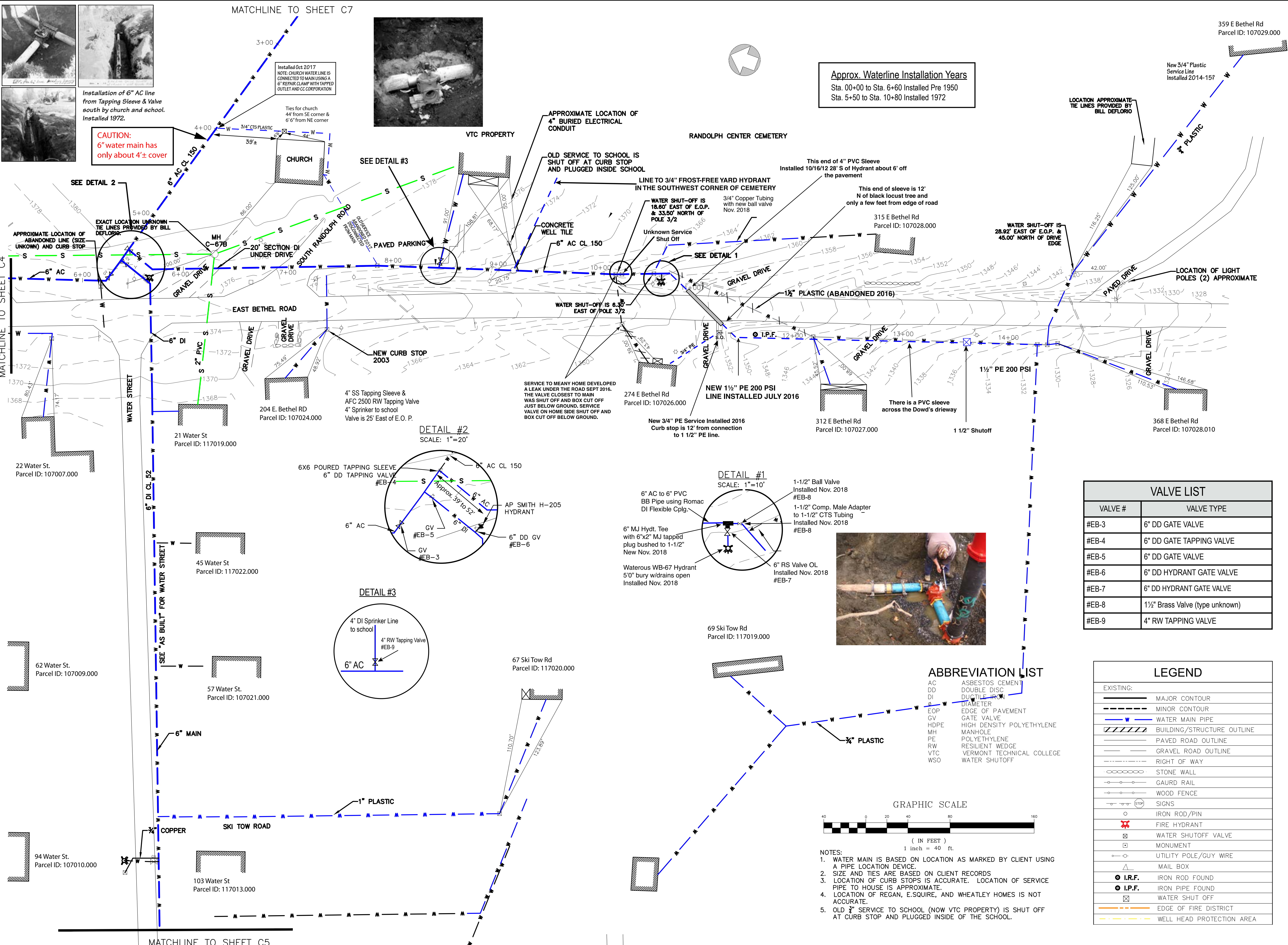
275 Ski Tow Rd.  
 Parcel ID: 107017.000

VTC FARMSTEAD HOUSE

CAROLYN LUMBRA

FIRE DISTRICT BOUNDARY

MATCHLINE TO SHEET C6



**Approx. Waterline Installation Years**  
 Sta. 00+00 to Sta. 6+60 Installed Pre 1950  
 Sta. 5+50 to Sta. 10+80 Installed 1972

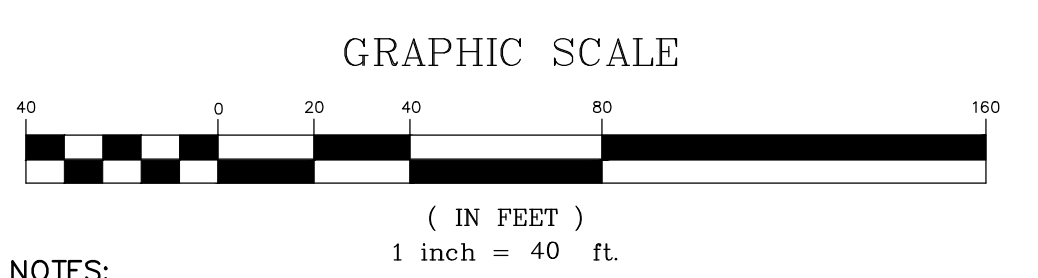
**CAUTION:**  
 6" water main has only about 4± cover

Installed Oct 2017  
 NOTE: CHURCH WATERLINE IS CONNECTED TO MAIN USING A 6" REPAIR CLAMP WITH TAPPED OUTLET AND C.C. CORPORATION

Installation of 6" AC line from Tapping Sleeve & Valve south by church and school. Installed 1972.

VALVE LIST	
VALVE #	VALVE TYPE
#EB-3	6" DD GATE VALVE
#EB-4	6" DD GATE TAPPING VALVE
#EB-5	6" DD GATE VALVE
#EB-6	6" DD HYDRANT GATE VALVE
#EB-7	6" DD HYDRANT GATE VALVE
#EB-8	1 1/2" Brass Valve (type unknown)
#EB-9	4" RW TAPPING VALVE

LEGEND	
EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	EDGE OF PAVEMENT
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	I.R.F. IRON ROD FOUND
	I.P.F. IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA



- ABBREVIATION LIST**
- AC ASBESTOS CEMENT
  - DD DOUBLE DISC
  - DI DUCTILE IRON
  - EOP EDGE OF PAVEMENT
  - GV GATE VALVE
  - HDPE HIGH DENSITY POLYETHYLENE
  - MH MANHOLE
  - PE POLYETHYLENE
  - RW RESILIENT WEDGE
  - VTC VERMONT TECHNICAL COLLEGE
  - WSO WATER SHUTOFF
- NOTES:**
- WATER MAIN IS BASED ON LOCATION AS MARKED BY CLIENT USING A PIPE LOCATION DEVICE.
  - SIZE AND TIES ARE BASED ON CLIENT RECORDS
  - LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.
  - LOCATION OF REGAN, E.SQUIRE, AND WHEATLEY HOMES IS NOT ACCURATE.
  - OLD 3" SERVICE TO SCHOOL (NOW VTC PROPERTY) IS SHUT OFF AT CURB STOP AND PLUGGED INSIDE OF THE SCHOOL.

Project #	417005.1
Project Mgr.	R.E. DUFRESNE
Design	MARK WALKER
Drawn	CML
Checked by	R.E. DUFRESNE
Date	SEPTEMBER, 2007
Scale	AS SHOWN
Approved by	R.E. DUFRESNE

Revisions:  
 Jan 2017 by Bill DeFlorio

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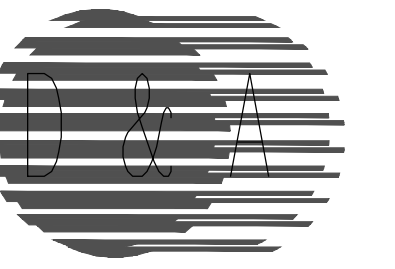
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RANDOLPH FIRE DISTRICT #1

**WATER SYSTEM BASE MAP  
 EAST BETHEL ROAD (CONTINUED)**

RANDOLPH, VERMONT

**C6**



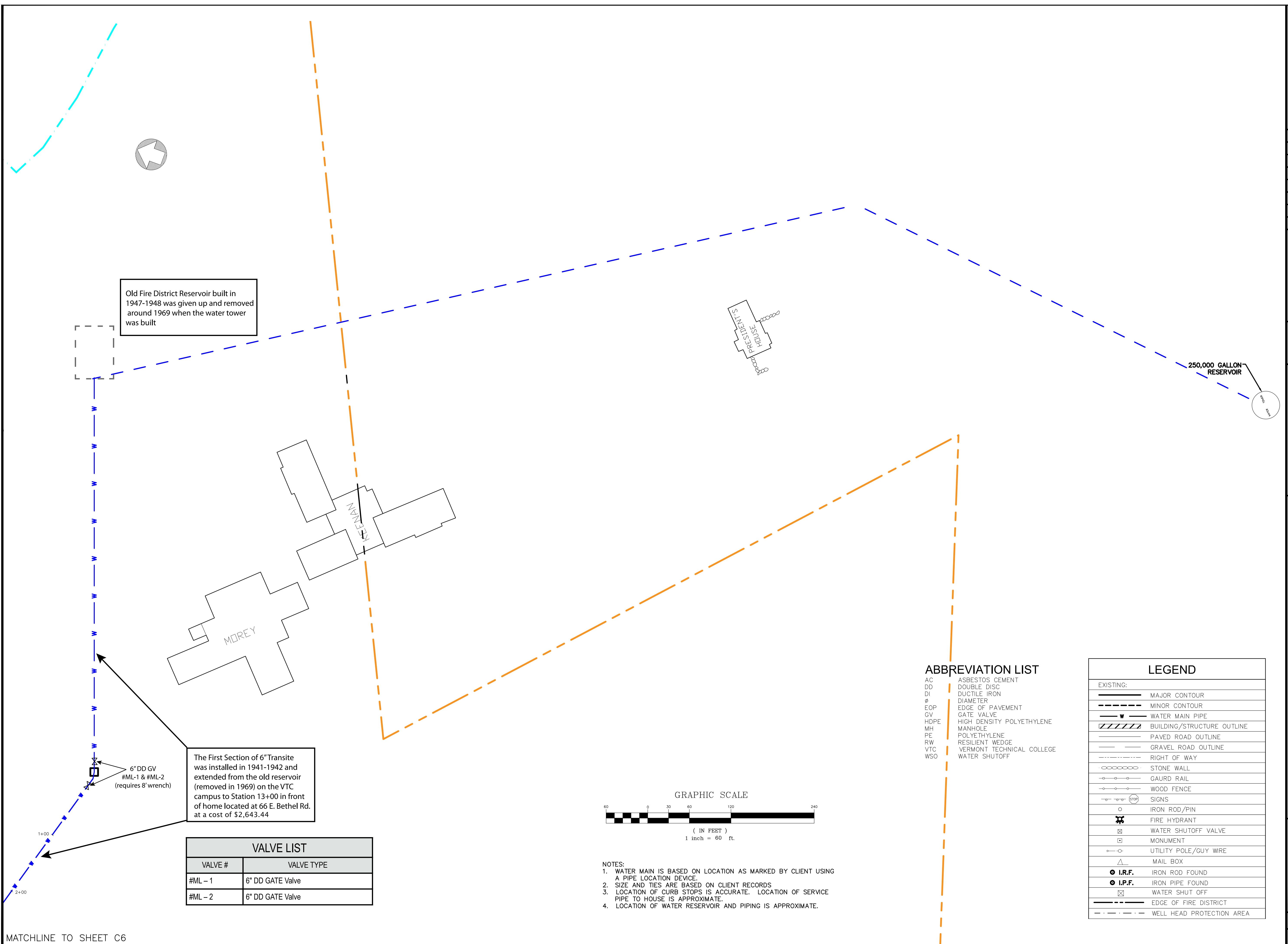
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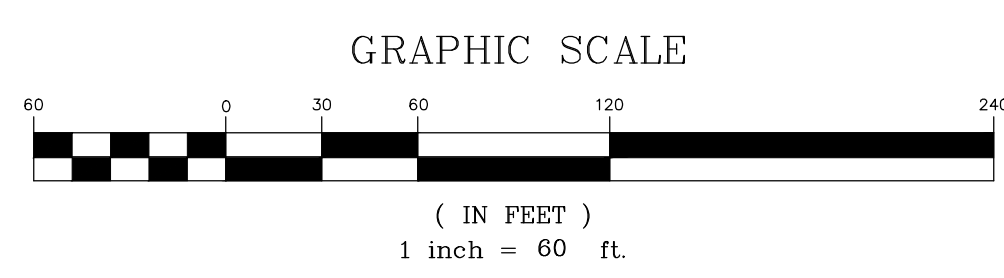


Old Fire District Reservoir built in 1947-1948 was given up and removed around 1969 when the water tower was built

The First Section of 6" Transite was installed in 1941-1942 and extended from the old reservoir (removed in 1969) on the VTC campus to Station 13+00 in front of home located at 66 E. Bethel Rd. at a cost of \$2,643.44

6" DD GV #ML-1 & #ML-2 (requires 8' wrench)

VALVE LIST	
VALVE #	VALVE TYPE
#ML - 1	6" DD GATE Valve
#ML - 2	6" DD GATE Valve



- NOTES:
1. WATER MAIN IS BASED ON LOCATION AS MARKED BY CLIENT USING A PIPE LOCATION DEVICE.
  2. SIZE AND TIES ARE BASED ON CLIENT RECORDS
  3. LOCATION OF CURB STOPS IS ACCURATE. LOCATION OF SERVICE PIPE TO HOUSE IS APPROXIMATE.
  4. LOCATION OF WATER RESERVOIR AND PIPING IS APPROXIMATE.

ABBREVIATION LIST

AC	ASBESTOS CEMENT
DD	DOUBLE DISC
DI	DUCTILE IRON
Ø	DIAMETER
EOP	EDGE OF PAVEMENT
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
MH	MANHOLE
PE	POLYETHYLENE
RW	RESILIENT WEDGE
VTC	VERMONT TECHNICAL COLLEGE
WSO	WATER SHUTOFF

LEGEND

EXISTING:	
	MAJOR CONTOUR
	MINOR CONTOUR
	WATER MAIN PIPE
	BUILDING/STRUCTURE OUTLINE
	PAVED ROAD OUTLINE
	GRAVEL ROAD OUTLINE
	RIGHT OF WAY
	STONE WALL
	GAURD RAIL
	WOOD FENCE
	SIGNS
	IRON ROD/PIN
	FIRE HYDRANT
	WATER SHUTOFF VALVE
	MONUMENT
	UTILITY POLE/GUY WIRE
	MAIL BOX
	IRON ROD FOUND
	IRON PIPE FOUND
	WATER SHUT OFF
	EDGE OF FIRE DISTRICT
	WELL HEAD PROTECTION AREA

MATCHLINE TO SHEET C6

RANDOLPH FIRE DISTRICT #1

WATER SYSTEM BASE MAP  
 RESERVOIR TANK

RANDOLPH, VERMONT

C7

DWG. NO. 417005SV02

SHEET 7 OF 7