

Date..... 10/11/94.....

Permit No..... 94-84.....

# TOWN OF ACTON

## APPLICATION FOR PERMIT TO CONSTRUCT WITHIN A PUBLIC WAY

This application must be submitted not less than five (5) days prior to any Construction within a public way.

Notice 24 hours in advance of any construction must be given to the Town Engineer.

- 1. Permittee: ROBERT M. ST LOUIS Address: 5R SUMMER ST. LYNNENBURG
- 1A. Telephone # 345-0121
- 2. Location of Proposed Construction: CENTRAL ST AT MASS. AVE.
- 3. Purpose of Construction: TO REPAIR DAMAGED TEL. CABLE
- 4. Length of Cut: 9'
- 5. Width of Cut: 6'
- 6. Width of Existing Pavement: APPROX 24'
- 7. Type of Existing Roadway Surface: ASHPHALT Type of Curb: GRANITE
- 8. Type of Existing Sidewalk Surface: ASHPHALT Type of Shoulder: .....
- 9. Date of Street Opening: From 10/11/94 To 10/12/94
- 10. For Work Involving Excavations: Dig Safe Number 944 100 314

I, the undersigned, hereby declare that I have read and agree to the Town of Acton Specifications for Regulating Construction with Public Ways dated August 3, 1982. I have deposited the required bond with the Town of Acton, and I covenant and agree that the Town may deduct from this amount the cost of repairs to the road surface, curbs, shoulders, walls or other features within the right-of-way including replacing bounds if not completed by me to the satisfaction of the Town Engineer within the specified time.

Special Instructions:

Signature of Applicant: Robert M. St Louis

- 1. M.H.D PAVEMENT REQD
- 2. THERMORASTIC MARKINGS
- 3. INTEREST ROAD REQD

*[Faint signature]*

Permit Issued: Date 10/11/94

By: Dennis P. Ryan

Application Denied: Date .....

By: .....

Work Inspected and Approved: Date .....

By: .....

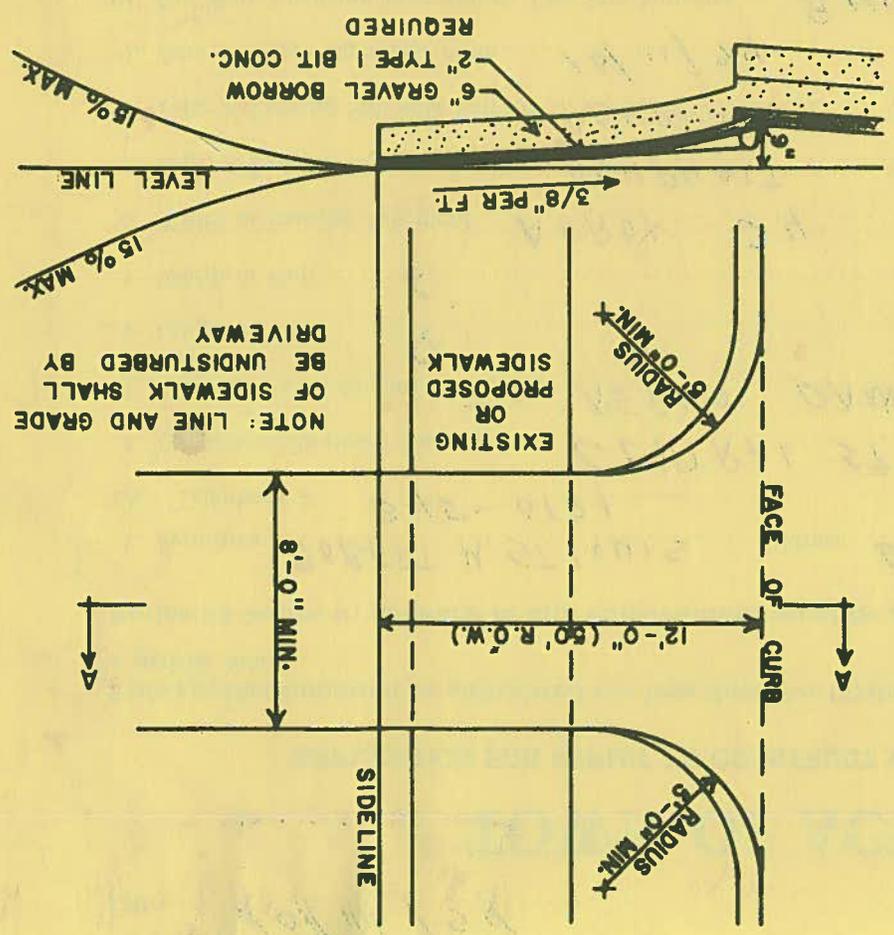
10/1/69

James G. ...

2. PROPOSED DRIVEWAY ...  
1. WITH ...

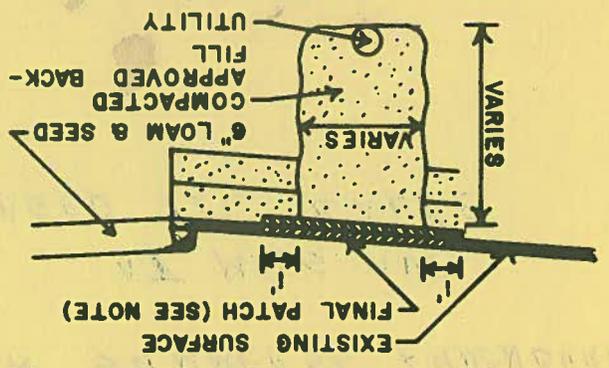
### SKETCH

#### SECTION A-A



NOTE: LINE AND GRADE OF SIDEWALK SHALL BE UNDISTURBED BY DRIVEWAY

- NOTE: 1. FINAL PATCH DEPTH
- 2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS
- 3. OIL TREATED ROADS
- 4. BIT. CONC. ROADS



TOWN OF ACTON  
TYPICAL DRIVEWAY 8  
TRENCH DETAIL  
FEB. 1969 NO SCALE

Date: 10/11/94

Permit No. 94-84

# TOWN OF ACTON

## APPLICATION FOR PERMIT TO CONSTRUCT WITHIN A PUBLIC WAY

This application must be submitted not less than five (5) days prior to any Construction within a public way.

Notice 24 hours in advance of any construction must be given to the Town Engineer.

- 1. Permittee: ROBERT H ST LOUIS Address: 5P SUMMER ST CUNNINGBURG
- 1A. Telephone #: 315-9171
- 2. Location of Proposed Construction: CENTRAL ST AT MASS. AVE.
- 3. Purpose of Construction: TO REPAIR DAMAGED TEL. CABLE
- 4. Length of Cut: 8'
- 5. Width of Cut: 6'
- 6. Width of Existing Pavement: APPROX 24'
- 7. Type of Existing Roadway Surface: ASPHALT Type of Curb: GRANITE
- 8. Type of Existing Sidewalk Surface: ASPHALT Type of Shoulder:
- 9. Date of Street Opening: From 10/11/94 To 10/12/94
- 10. For Work Involving Excavations: Dig Safe Number 944-100-314

I, the undersigned, hereby declare that I have read and agree to the Town of Acton Specifications for Regulating Construction with Public Ways dated August 3, 1982. I have deposited the required bond with the Town of Acton, and I covenant and agree that the Town may deduct from this amount the cost of repairs to the road surface, curbs, shoulders, walls or other features within the right-of-way including replacing bounds if not completed by me to the satisfaction of the Town Engineer within the specified time.

Special Instructions:

Signature of Applicant: *Robert H. St. Louis*

- 1. M.H.D. PAVEMENT RECD
- 2. THERMORASTIC MARKINGS
- 3. INTERSED ROAD RECD

Permit Issued: Date 10/11/94

By: *Dennis P. Ryan*

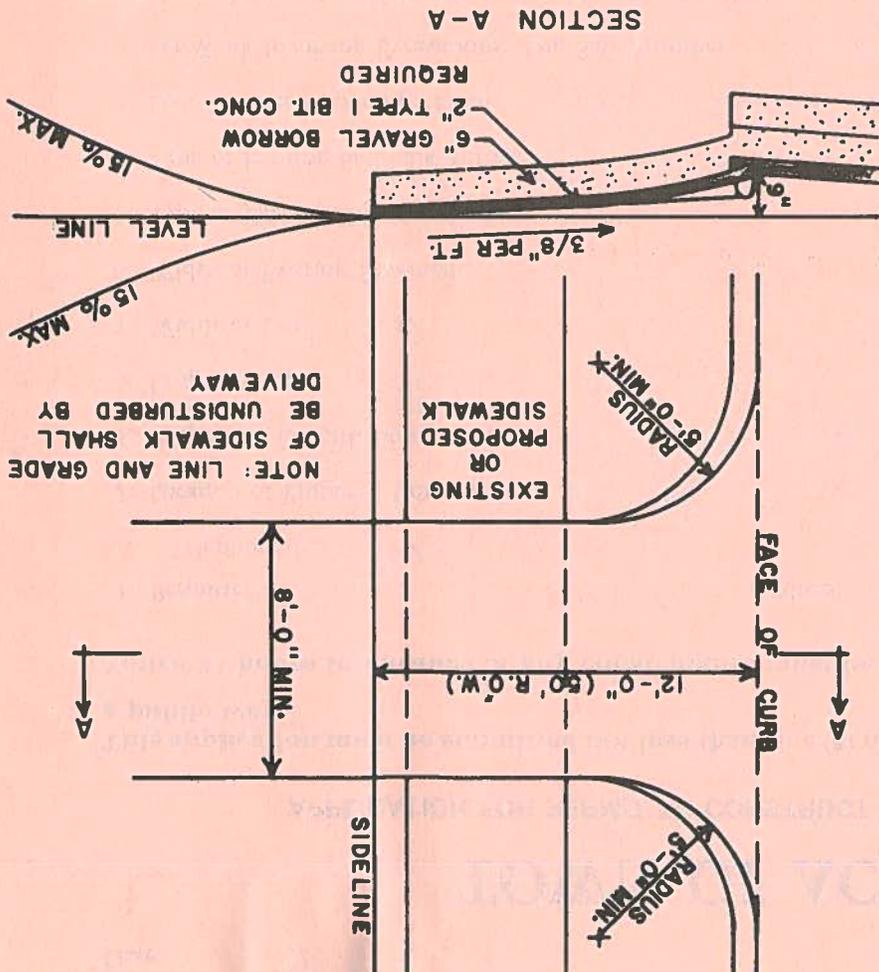
Application Denied: Date

By:

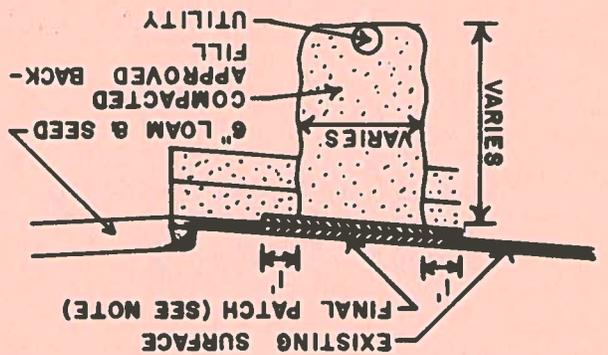
Work Inspected and Approved: Date

By:

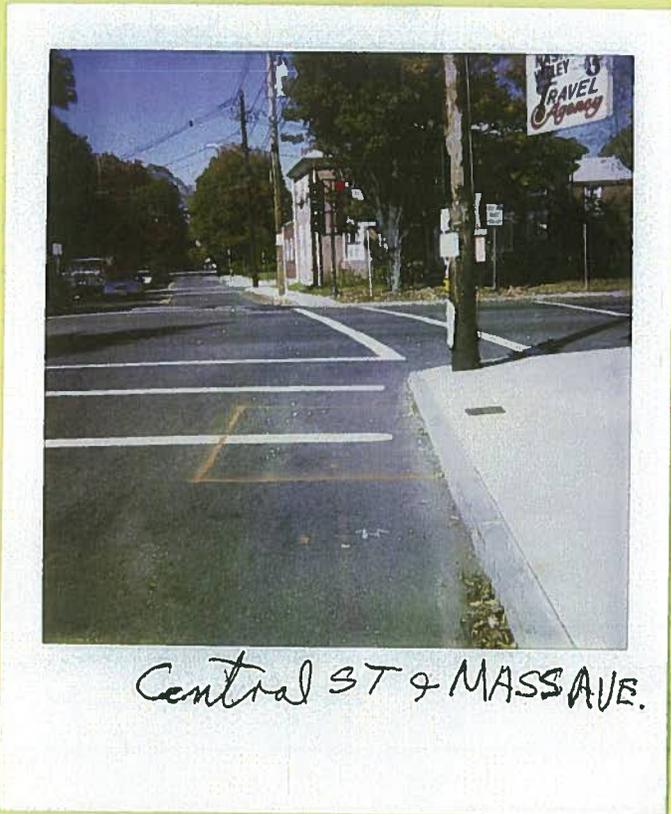
# SKETCH



NOTE: 1. FINAL PATCH DEPTH  
 3" OIL TREATED ROADS  
 4" BIT. CONC. ROADS  
 2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS



TOWN OF ACTON  
 TRENCH DETAIL  
 FEB. 1969 NO SCALE



Central ST & MASS AVE.

PULL  
BOX

10/7/99

DENNIS

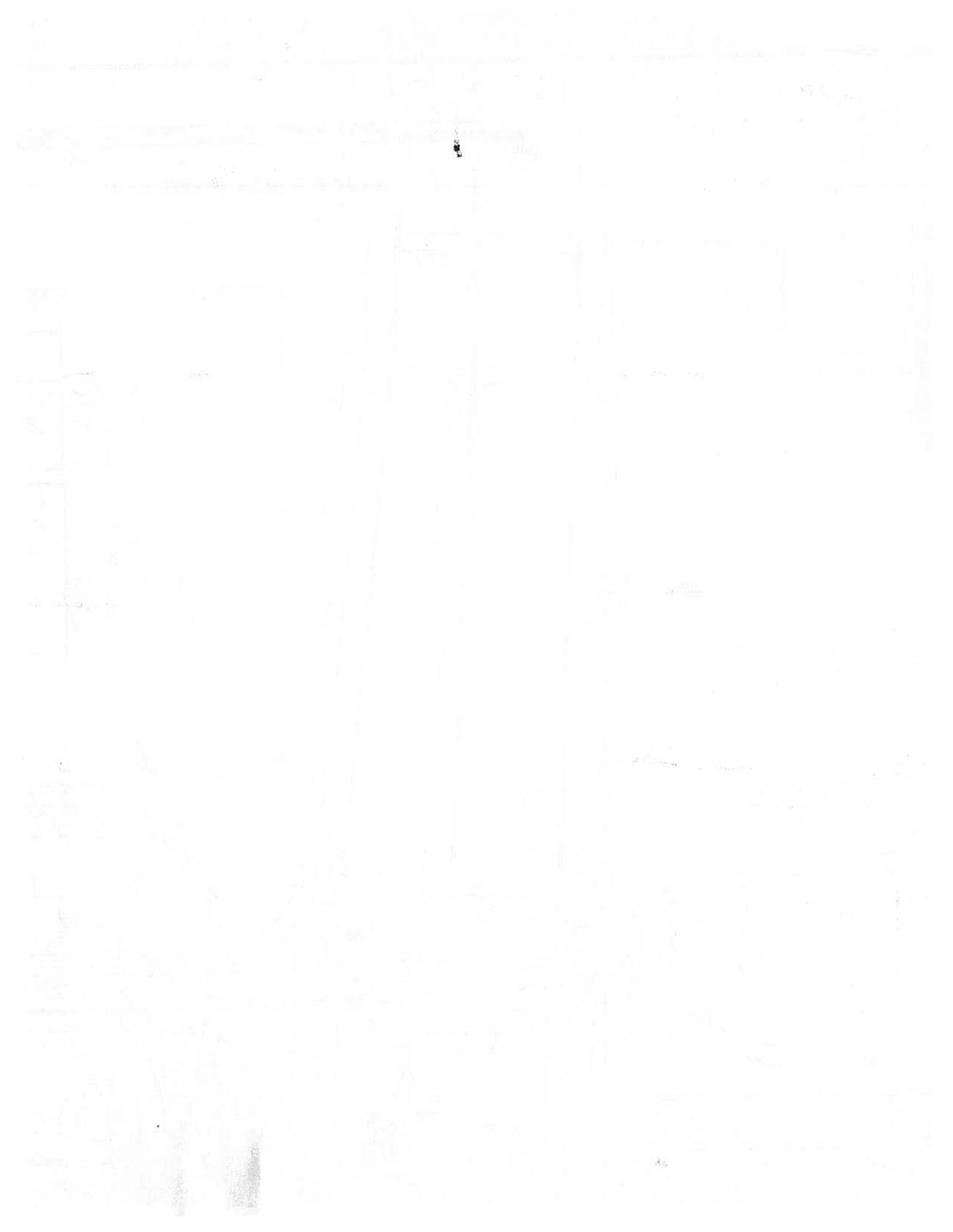
BOB ST. LOUIS (IVET) NEEDS  
TO REPAIR THE TELEPHONE DUCT  
@ THIS LOCATION & WILL COME  
IN FOR A PERMIT TUESDAY.

WE WILL NEED TO REEQUIP:

- ① COMPLETION
- ② SPECIAL MHD PAVEMENT  
(THIS IS THE "ROUGH" PAVEMENT)
- ③ INFRA-RED PATCH
- ④ CROSS-WALK (THERMO PLASTIC)  
REPLACED.
- ⑤ CHECK FOR A DETECTOR LOOP,  
AS PULL BOX IS VISIBLE  
IN PICTURE.







P.J. Keating Company  
998 Reservoir Road  
Lunenburg, MA 01462  
Asphalt • Asphalt Paving • Crushed Stone  
(508) 582-9931  
Ready-Mix Concrete  
800-446-3380  
Lunenburg • Orange • Worcester  
FAX • (508) 582-7130



Keating Materials Corp.  
2140 Bridge Street  
Dracut, MA 01826  
Asphalt • Crushed Stone  
(508) 454-7878 / 7879  
Asphalt Paving  
(603) 635-7700  
Dracut, MA • Pelham, NH  
FAX • (508) 459-1221

BOB ST. LOUIS 345-0121

IKE COLEMAN (TRISTATE)

617-434-6200

617-434-7623 (FAX)

CONSOLIDATED LINE INC.





\*\* CONFIRMATION REPORT \*\*

TRANSMISSION

INCOMPLETE: RETRANSMIT PAGE(S)

NO.	DATE/TIME	DESTINATION	DURATION	PGS	STATUS	MODE
278	OCT. 20 9:32	15082649630		000	BUSY	

10/18/94 TUE 09:16 FAX 508 799 9763

MHD WORC

4002

*What was used at Manalua & Central per Peter Tomino 10/17/94*

*8" gravel  
4" dense graded crushed stone  
3 1/2" bituminous concrete base course  
1 1/2" binder  
1 1/2" modified top*

M3.11.03

338

Table A  
Percent by Weight Passing

Sieve Designation

Standard Sieves	Base Course	Binder Course	Dense Binder Course	Top Course	Modified Top Course	Dense Mix	Surf. Treat.
2 in.	100				100		
1 in.	55-80	100	100		95-100		
3/4 in.		80-100	80-100				
5/8 in.				100			
1/2 in.	40-65	55-75	65-80	95-100	75-90	100	
3/8 in.				80-100	60-75	80-100	100
No. 4	20-45	28-50	48-65	50-76	40-60	55-80	80-100
No. 8	15-33	20-38	37-51	37-54	32-44	48-63	64-85
No. 16				26-40	24-34	36-49	46-68
No. 30	8-17	8-22	17-30	17-29	16-26	24-38	26-50
No. 50	4-12	5-15	10-22	10-21	8-18	14-27	13-31
No. 100*				5-16	4-13	6-18	7-17
No. 200	0-4	0-5	0-6	2-7	2-7	4-8	3-8
Bitumen	4-5	4.5-5.5	5-6	5.5-7.0	5.5-6.5	7-8	7-8

\*Percentages shown in table above for aggregate sizes are stated as proportional percentages of total aggregate for the mix.

Unless authorized by the Engineer, no Job-Mix Formula will be approved which specifies: More than 45% passing No. 8 for Top Course and Dense Binder Course.





101 Walnut Street  
Post Office Box 9151  
Watertown  
Massachusetts 02272  
617 924 1770  
FAX 617 924 2286

December 30, 1994

Ref: 04286.21

Mr. William Wilson  
NYNEX  
5 Craig Road  
Acton, MA 01720

Re: Massachusetts Avenue/Central Street  
Acton, MA  
Loop Detector Testing

Dear Mr. Wilson:

On Thursday, December 12, 1994, VHB, under contract with NYNEX, conducted a series of electrical tests on the in pavement vehicle detection system on the Central Street northbound approach of the subject intersection. In attendance at the inspection was Mr. David Abbt and Mr. Dennis Ring of the Town of Acton Engineering Division and Mr. Joseph Herr of VHB. A series of electrical tests were performed at that time. The three isolation electrical tests revealed readings less than those required by Section 815.86 of the Standard Specifications for Highway and Bridges, Massachusetts Department of Public Works, 1988 as revised. A minimum acceptable reading for electrical isolation on vehicle loop detectors is 100 megohms; readings of less than 20 megohms were recorded. A copy of the test results are included with this letter.

If you have any questions in this matter, please do not hesitate to contact me.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

A handwritten signature in black ink, appearing to read "J. Herr", is written over the typed name.

Joseph R. Herr  
Sr. Project Manager

JRH/cec

cc: David Abbt, Town of Acton  
Dennis Ring, Town of Acton

Enclosure

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Third block of very faint, illegible text.

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# LOOP DETECTOR/GROUND ROD TEST DATA

Project: Acton MA. Project #: 4286  
 Location: MASS AVE / CENTRAL ST Date: 12/30/94  
 Tested by: Joe Herr - VHB Recorded by: Joe Herr - VHB

TEST APPROACH	CONTINUITY	LOOP - SHIELD	LOOP - GROUND	SHIELD - GROUND	INDUCTANCE	PASS / FAIL	
						PASS	FAIL
CENTRAL ST NORTHBOUND STOP LINE	0.80Ω	<20mΩ	<20mΩ	<20mΩ	56.9μh		FAIL

GROUND ROD RESISTANCE = \_\_\_\_\_

COMMENTS: • Continuity/Inductance Tests performed with Beckman Industries LM22A LCR Meter  
 • Isolation Tests performed with Supco M-500 Megohmmeter @ 500 VDC

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101 Walnut Street  
Post Office Box 9151  
Watertown  
Massachusetts 02272  
617 924 1770  
FAX 617 924 2286

RECEIVED  
NOV 30 1994  
ACTON ENGINEERING DEPT.

November 28, 1994

Ref: Admin

Mr. William Wilson  
NYNEX  
5 Craig Road  
Acton, MA 01720

Re: Loop Detector Testing  
Massachusetts Ave/Central Street  
Acton, MA

Dear Mr. Wilson:

As a follow up to today's telephone conversation with Mr. Robert St. Louis of your office. I have enclosed a contract for services relating to the testing of a vehicle detection system in Acton, MA. Please sign the enclosed contract and return the white and pink copies. We will coordinate our testing schedule with the Town of Acton, DPW and your office.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

  
Joseph R. Herr  
Senior Project Manager

JRH/smc  
Enclosure

cc: Dave Abbt, Town of Acton

