

Date 3/16/90

Permit No. 90-3

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: Water Supply District of Acton Address: Mass. Ave. Acton, MA 01720
- 1A. Telephone #: 508-263-9107
- 2. Location of Proposed Construction: Ledge Road Way, all work in shoulder of road
- 3. Purpose of Construction: Installation of 8-inch ductile iron water main
- 4. Length of Cut: 500 l.f.
- 5. Width of Cut: 4 feet
- 6. Width of Existing Pavement: 32 feet
- 7. Type of Existing Roadway Surface: bituminous Type of Curb: bituminous
- 8. Type of Existing Sidewalk Surface: bituminous Type of Shoulder: gravel
- 9. Date of Street Opening: From January 23, 1990 To February 10, 1990
- 10. For Work Involving Excavations: Dig Safe Number 90032522

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:

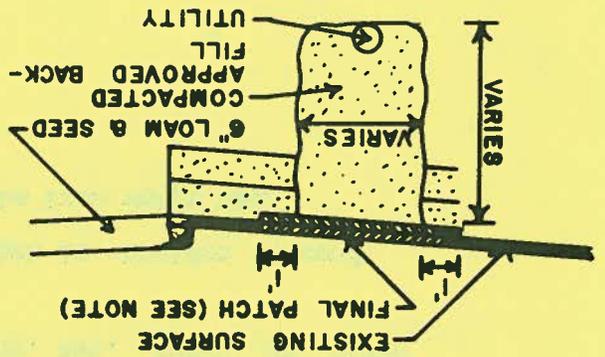
Signature of Applicant: Thomas J. Mahanna
Thomas J. Mahanna
Dufresne-Henry Engineers
Applicant's Representative

1 BMO. RESET & CERTIFIED
7/1/91 DR. & D.A.

Permit Issued: Date 3/16/90 By: Denno P. Ring
 Application Denied: Date _____ By: _____
 Work Inspected and Approved: Date 7/1/91 By: Denno P. Ring

1-10-90

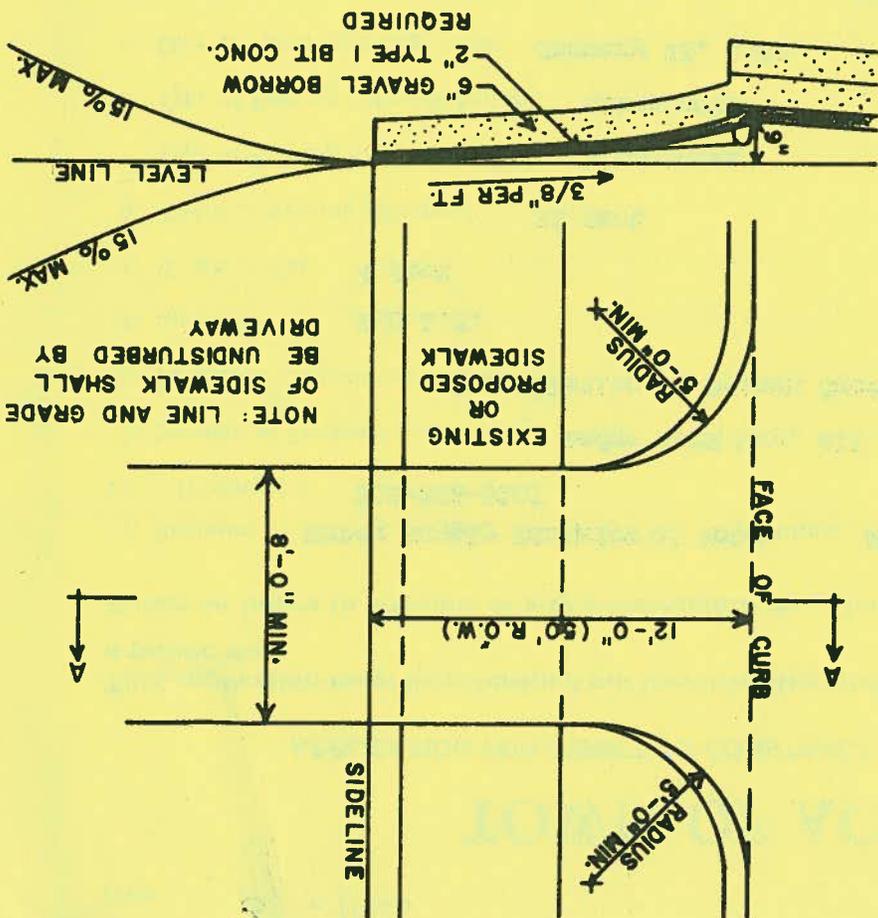
**TOWN OF ACTON
TYPICAL DRIVEWAY 8
TRENCH DETAIL
FEB. 1969
NO SCALE**



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

SKETCH

SECTION A-A



Date 3/16/90

Permit No. 90-3

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Special Instructions:

Signature of Applicant: Thomas J. Mahanna
Thomas J. Mahanna
Dufresne-Henry Engineers
Applicant's Representative

Permit Issued: Date 3/16/90

By: Dennis P. Ring

Application Denied: Date

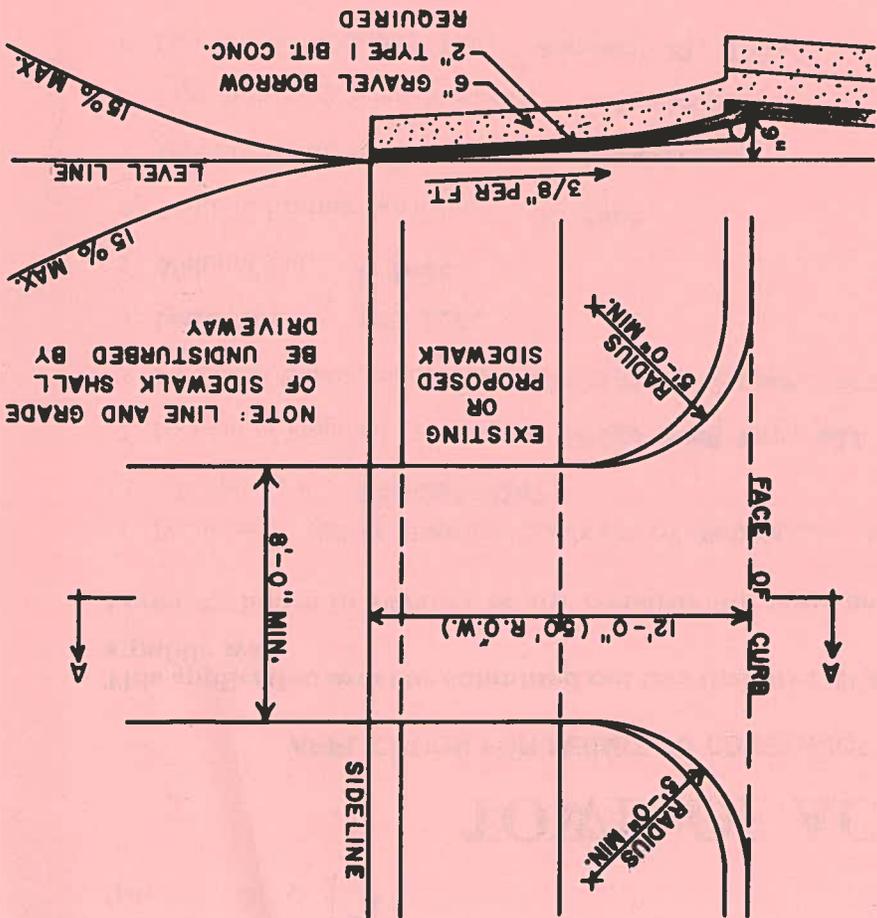
By:

Work Inspected and Approved: Date 7/1/91

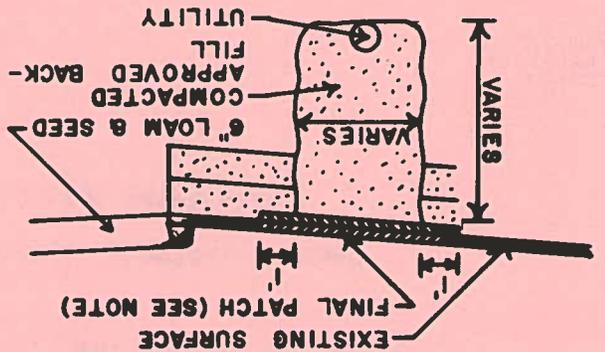
By: Dennis P. Ring

SKETCH

SECTION A-A



- 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**

DH Dufresne-Henry

Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, Massachusetts 01886
508-692-1913

Engineering Disciplines
Civil
Environmental
Transportation
Municipal
Structural
Electrical
Mechanical

Associated Disciplines
Surveying
Construction Management
Applied Science
Water Quality
Geologic
Hydrologic
Computer

March 6, 1990

Mr. David F. Abbt
Engineering Department
472 Main Street
Acton, MA 01720

RECEIVED
MAR 7 1990
ACTON ENGINEERING DEPT.

Re: Ledge Rock Way
Water Main

Dear Mr. Abbt:

We are in receipt of your letter dated February 26, 1990 in regards to the water main installation in Ledge Rock Way.

We hereby agree to the terms established by your department for the amount of retainage to be withheld on the project. These terms are as follows:

\$3,000
\$1,000
\$1,000

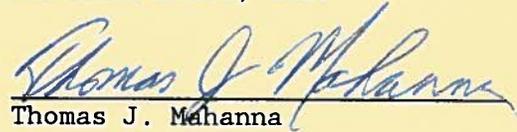
Blasting Damage
Bound Replacement
Loaming and Seeding

Therefore, a maximum total of \$5,000 would be retained. These amount will be reduced once inspections are made after the different phases of construction are completed, provided no damage has occurred.

Finally, we request that your department set tie-stakes for the roadway bounds to ensure their proper replacement, should they be damaged. We will contact your office prior to start of construction to schedule a site walk.

Very truly yours,

DUFRESNE-HENRY, INC.



Thomas J. Mahanna
Project Engineer

TJM:jk

cc: Acton Water District
Ram Contracting
03061300.ACT



ENGINEERING DEPARTMENT

472 MAIN STREET
ACTON, MA 01720

February 26, 1990

Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, MA 01886
Attn: Thomas J. Mahanna, Project Engineer

Dear Tom,

This letter is to bring you up to date on the status of your application for a "Permit to Construct within a Public Way" for the installation of a water main on Ledge Rock Way.

I have consulted with the Town's Highway Superintendent, and we have determined that a retainage of \$2,000.00 as discussed earlier will not be sufficient. This determination was made based on the possibility of damage to the roadway due to blasting if ledge is encountered during the excavation. Consequently, the amount of retainage we will require is \$5,000.00. The break down is as follows:

\$3000	Blasting damage due to ledge
\$1000	Bound replacement
\$1000	Loaming & seeding shoulders

Upon receipt of written approval from this department, the amount of retainage may be reduced at the following stages:

- 1) Upon the completion of all blasting, provided no damage to the road has occurred, the retainage may be reduced to \$2000. In the event no blasting is required, the reduction may take place after the trench has been excavated.
- 2) Upon completion of the water main installation and backfilling of the trench, provided the road bounds have not been disturbed, the retainage may be reduced to \$1000.
- 3) The final release of retainage will occur when all areas within the Town R.O.W. have been stabilized, loamed and seeded. Provided, however, that any outstanding repairs such as pavement damage and bound replacements are also complete.

In addition to these conditions, no construction work may take place within the right of way of Ledge Rock Way until after March 15, 1990. Please send your written acknowledgment and acceptance of these terms prior to March 15th so that we may issue the permit.

If you have any questions regarding this matter, please feel free to contact me at 264-9628.

Sincerely,

A handwritten signature in cursive script that reads "David F. Abbt".

David F. Abbt
Engineering Administrator

DFA/dmj

cc: Dick Howe, Highway Superintendent
Carl Troupe, Acton Water District

Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, Massachusetts 01886
508-692-1913

Engineering Disciplines

Civil
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Associated Disciplines

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Computer

January 19, 1990

Mr. David Abbt
Acton Engineering Dept.
472 Main Street
Acton, MA 01720

Re: Ledge Rock Way
Water Main Installation

Dear Mr. Abbt:

Please find enclosed a copy of the Dufresne-Henry plan and the Application for Permit to Construct within a Public Way for work associated with the installation of approximately 475 linear feet of 8 inch ductile iron water main and appurtenances. The work will be performed by Ram Contracting, 14 Kidder Road, Chelmsford, MA 01824, for the Acton Water District. All construction will be inspected by representatives of Dufresne-Henry, Inc.

As you know, all work will be off of the paved surface of the roadway, but within the right-of-way. The entire route will be loamed and seeded in the Spring.

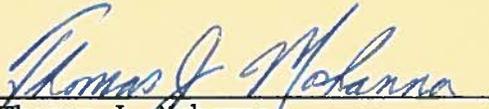
Upon completion of the work, we will request in writing for a final inspection to be made by the Engineering Dept. with Dufresne-Henry and the Water District. As was agreed at our on-site meeting yesterday, we will hold back a retainage of approximately \$2,000 from payment to the contractor, until the final inspection is made.

Mr. Michael Molway
Ledge Rock Way
Page 2

We recognize your concerns for the protection of roadway bounds, pavement, curbing, and for the restoration of the trench surface. By having full-time inspection on the project, Dufresne-Henry is committed to ensuring that all work is completed in a quality and professional manner. If you should have any questions or concerns, please do not hesitate to contact me at our office.

Very truly yours,

DUFRESNE-HENRY, INC.


Thomas J. Mahanna
Project Engineer

TJM:jk
Encl.

cc: Acton Water District
Ram Contracting

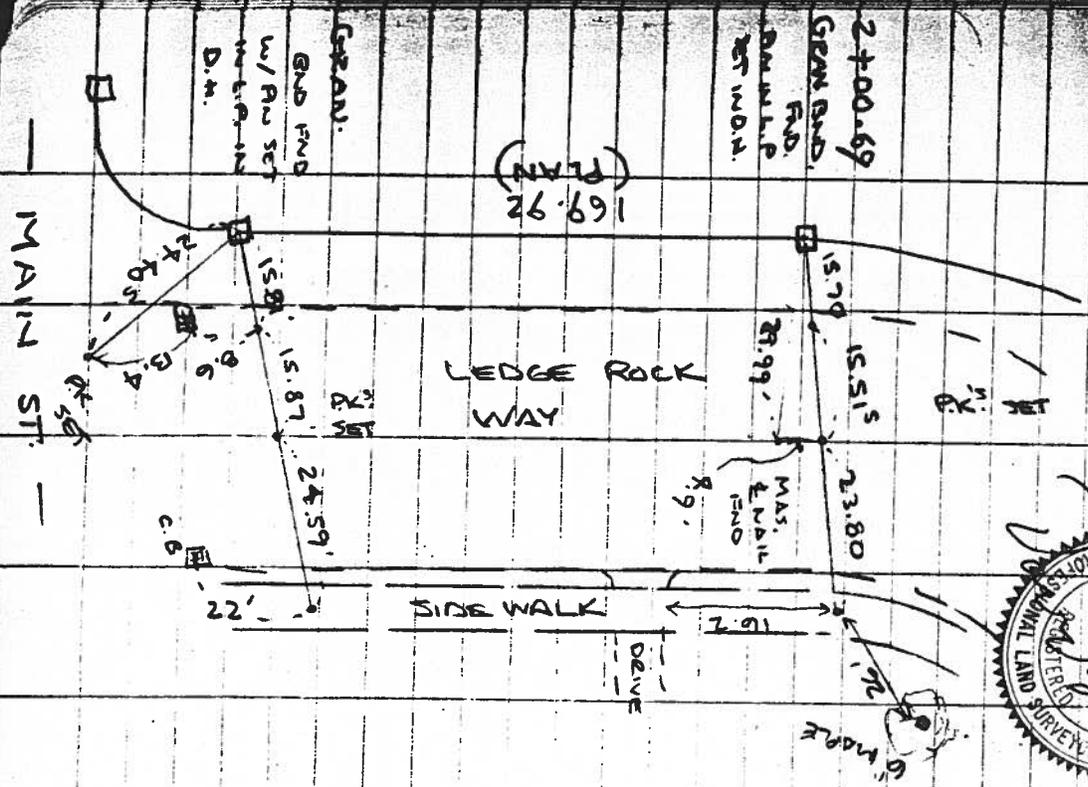
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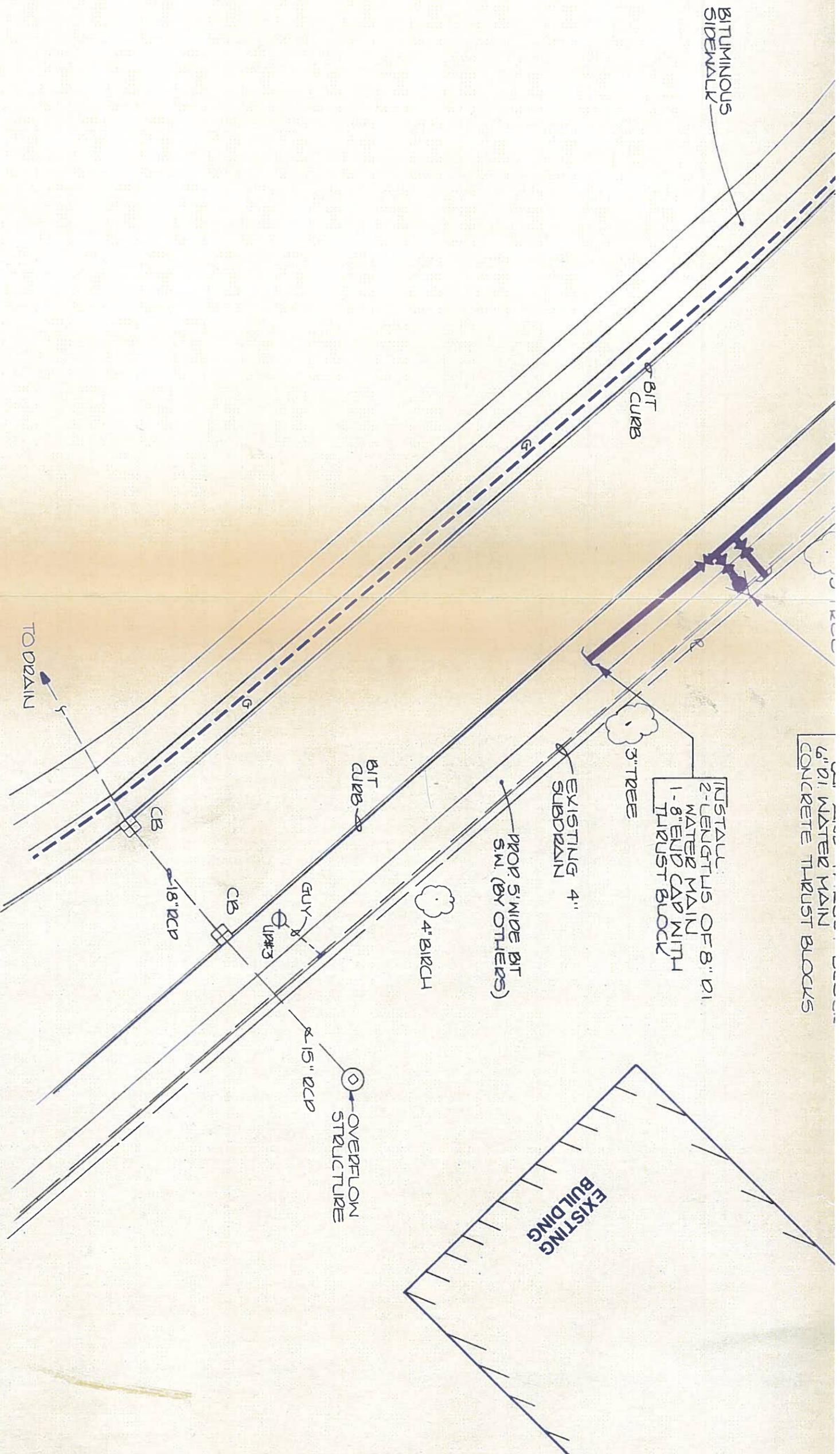
3-15-90
 D.A. D.R.
 LEDGE ROCK RD.
 T: 94° E



FIELD BOOK 49
 ACTION ENGINEERING DEPT.
 472 MAIN STREET
 ACTON, MA 01720

(PLAN)
 169.92

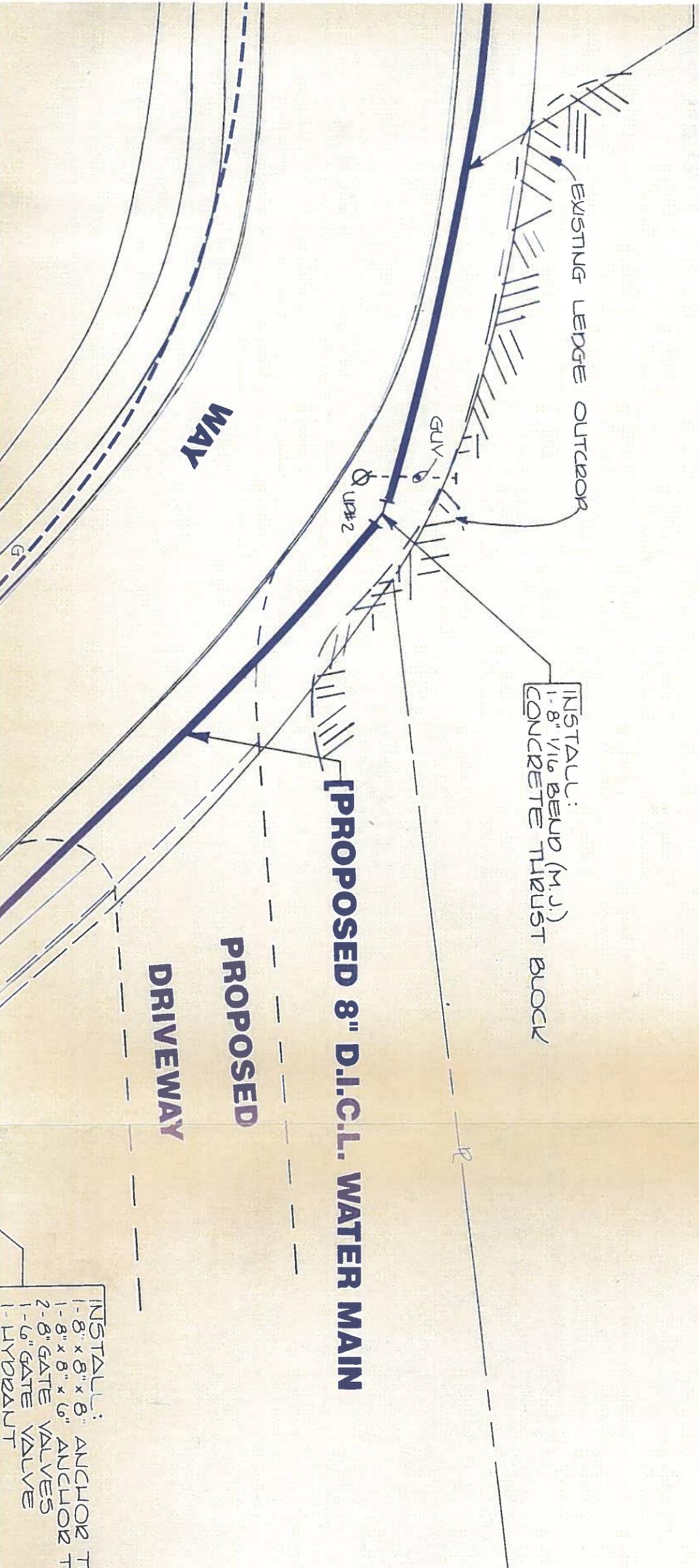




WATER SUPPLY DISTRICT OF ACTON
 WATER MAIN EXTENSION
LEDGE ROCK WAY
 MASSACHUSETTS

ACTON	
Client No.	919008
Proj. Manager	G.R.A.
Proj. Designer	T.J.M.
Drawn By	T.J.M./K.M.C.
Checked By	M.L.W.





ABANDONED
GAS
STATION



ROUTE 27

EXISTING 18" DRAIN

EXISTING 16" WATER MAIN

EXISTING 12" DRAIN

EXIST. 8" WATER

CONTRACTOR TO REMOVE EXISTING 8" END CAP AND INSTALL NEW 8" D.I.C.L. WATER MAIN WITH 1" CORPORATION FOR CHLORINATION.

[PROPOSED 8" D.I.C.L. WATER MAIN]

1" GUY
UP#274/1

BITUMINOUS CURB

BITUMINOUS DRIVE

STREET

LEDGE

ROCK

BITUMINOUS CURB
BITUMINOUS SIDEWALK

PROPOSED GAS MAIN (BY OTHERS)

EXISTING HYDRANT
G.V.
UP#272/351

M.B.
BOUNDING
G.V.

SIGN
SIGN

60' LAYOUT LINE

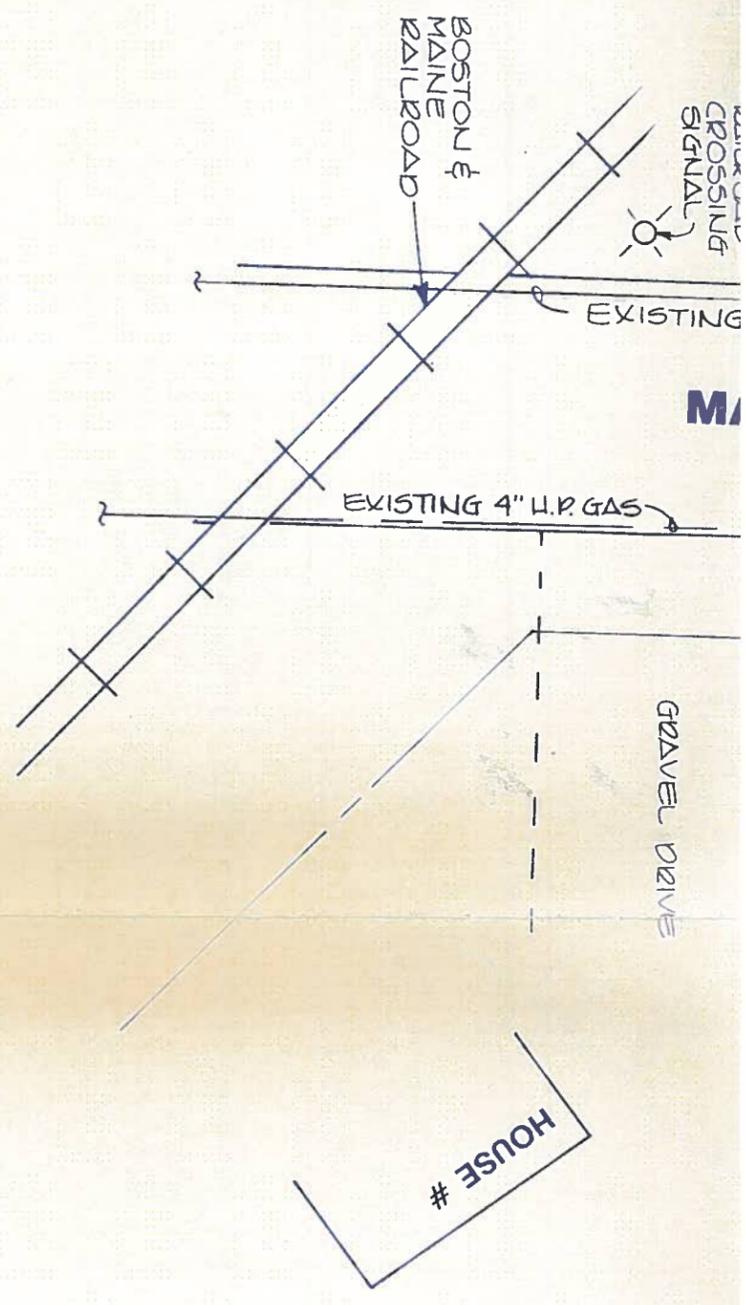
BITUMINOUS DRIVE

BITUMINOUS DRIVE

WATER MAIN

M.B.

G



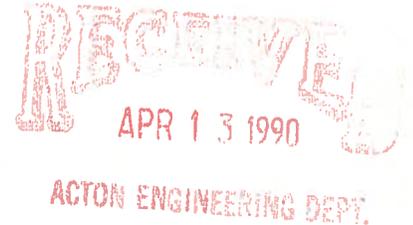
Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, Massachusetts 01886
508-692-1913

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Associated Disciplines
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April 12, 1990

Mr. Robert Smith
Ram Contracting, Inc.
14 Kidder Road
Chelmsford, MA 01824



Re: Ledge Rock Way
Acton, MA

Dear Mr. Smith:

The Acton Engineering, Highway and Tree Departments made their inspection of the above referenced project yesterday. The following list represents items that need to be repaired or corrected:

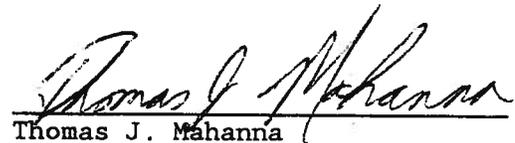
1. Fine grade the loam and seed areas so that no large stones remain and that a lawn mower will be able to cut the grass. This can be accomplished by raking and rolling the area.
2. A 2 1/2 " Norwegian Maple tree that was damaged must be replaced. Replacement cost for this is approximately \$88.
3. The 3" Norwegian Maple that was transplanted may not survive. The tree warden has agreed to wait until the summer to see if it will survive. If not, the tree must be replaced. Replacement cost for this is approximately \$175.
4. A piece of bituminous curbing is missing. We will review our photographs taken before the project began to determine whether this was an existing condition. If not, the curbing will have to be replaced.
5. With regards to the roadway bounds, the Town Engineer determined the first bound was not moved, however the second bound moved slightly. He will attempt to restore it to its original position. If this will require a significant amount of time on his part, compensation will be required.

Mr. Robert Smith
Ram Contracting, Inc.
Ledge Rock Way
Page 2

Finally, we were very pleased with the performance of your firm. We would appreciate these items be addressed immediately. If you should have any questions, please contact myself or Steve Hunt at our office.

Very truly yours,

DUFRESNE-HENRY, INC.



Thomas J. Mahanna
Project Engineer

TJM:jk

cc: Acton Water District
Acton Engineering Department

04121000.act

RECEIVED
APR 23 1990

Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, Massachusetts 01886
508-692-1913

Engineering Disciplines
Civil
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Associated Disciplines
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ACTON ENGINEERING DEPT.

April 20, 1990

Mr. David F. Abbt
Engineering Department
472 Main Street
Acton, MA 01720

Re: Ledge Rock Way
Water Main

Dear Mr. Abbt:

Work on the above referenced project was completed on April 9, 1990. The blasting that occurred did not damage the road and the loaming and seeding has been corrected since the time of your original inspection.

We therefore request that your department and other concerned departments make their final inspection so that the retainage can be released on the upcoming pay estimate.

Very truly yours,

DUFRESNE-HENRY, INC.


Thomas J. Mahanna
Project Engineer

TJM:jk

cc: Acton Water District
Ram Contracting

0420215.act

Dufresne-Henry, Inc.
239 Littleton Road, Suite 1A
Westford, Massachusetts 01886
508-692-1913

Engineering Disciplines
Civil
Environmental
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Associated Disciplines
Surveying
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May 16, 1990

RECEIVED
MAY 18 1990

ACTON ENGINEERING DEPT.

Mr. Dean A. Charter,
Tree Warden
472 Main Street
Acton, MA 01720

Re: Ledge Rock Way Water Main

Dear Mr. Charter:

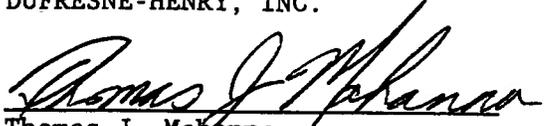
As per our telephone conversation of yesterday, we feel that Ram Contracting should be absolved of any responsibility for the 3" Norwegian Maple that was damaged during their construction operations. Since the completion of Ram's work, the gas company installed a gas main in the same shoulder as the water main. The gas company's construction operations damaged the 3" Norwegian Maple (We took several photographs).

As was agreed, we were going to wait to see if the 3" Norwegian Maple would survive. However, we feel that whatever chance this tree had of surviving was further diminished by the gas company's work, and Ram Contracting should not be held accountable.

Also, as we had discussed, the 2 1/2" Norwegian Maple that is to be replaced is in full bloom and we feel that it should not be replaced at this time. If it becomes obvious during the season that the tree will not survive, we will replace it at that time.

Very truly yours,

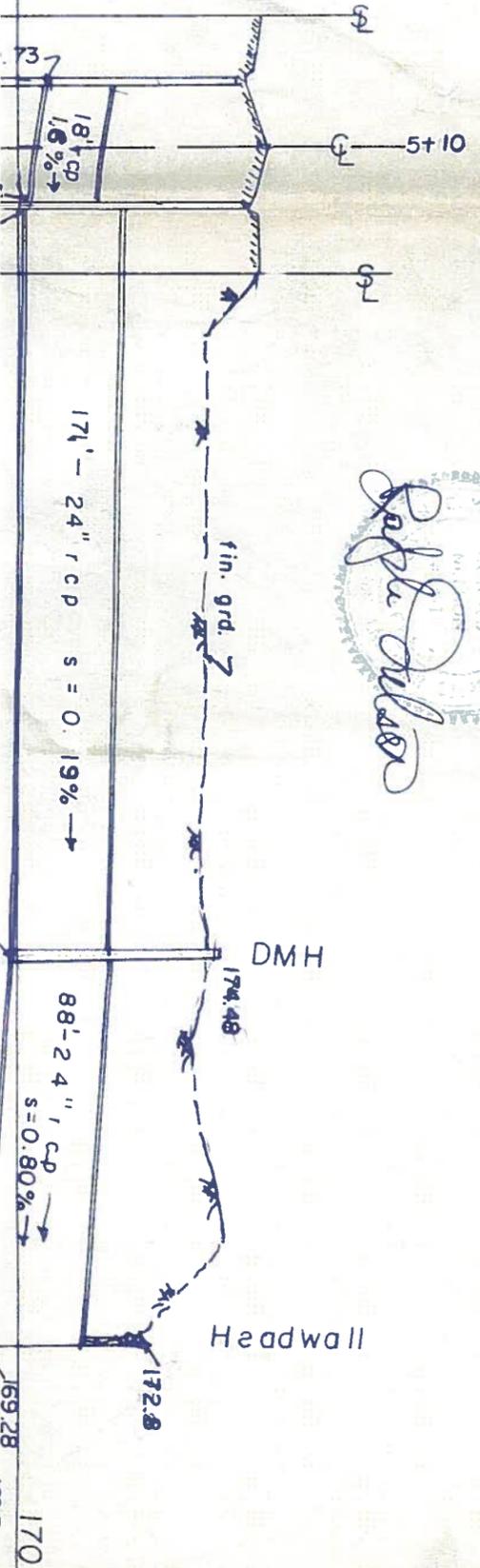
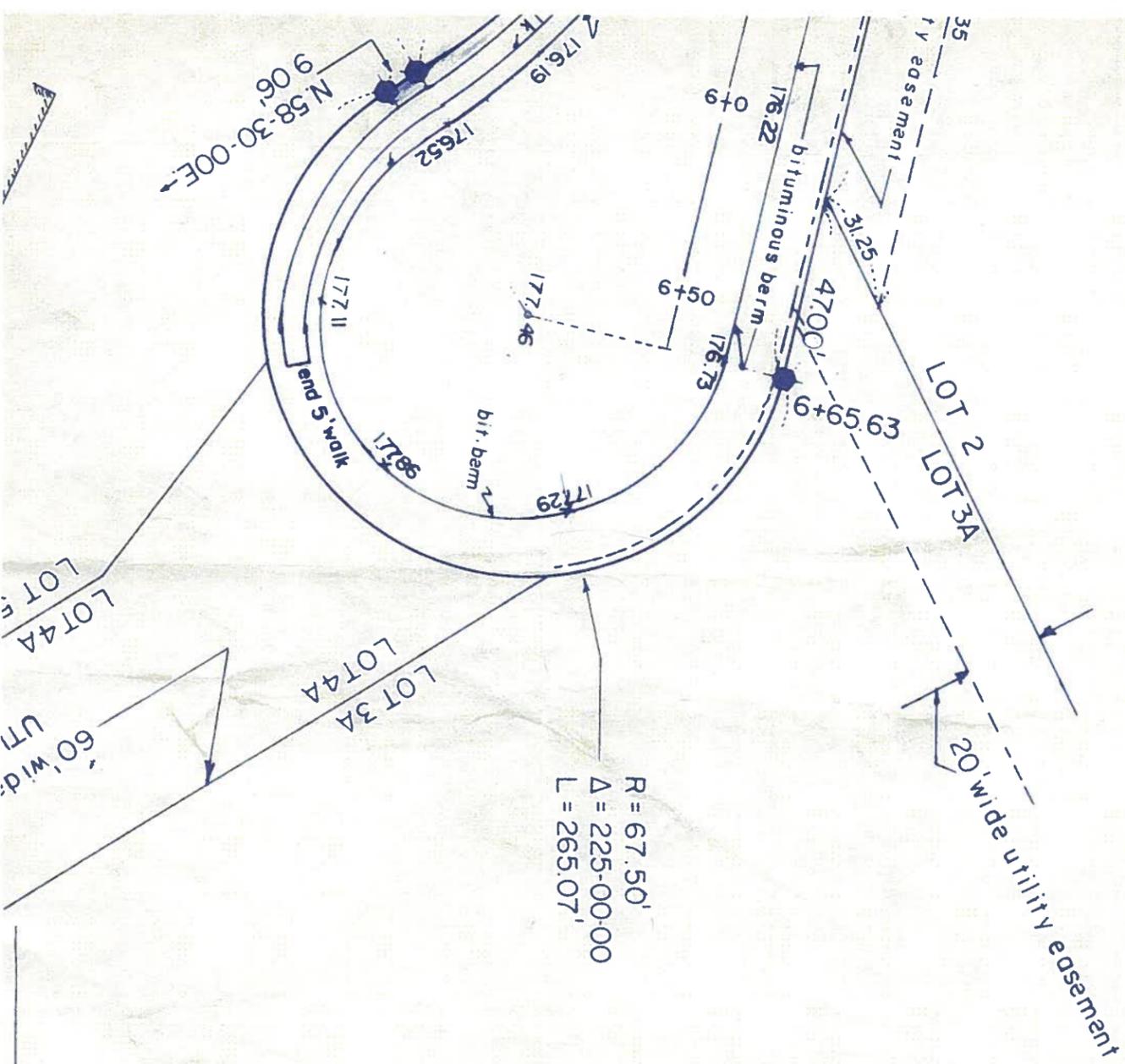
DUFRESNE-HENRY, INC.


Thomas J. Mahanna
Project Engineer

TJM:jk

cc: Ram Contracting
Acton Engineering
Acton Water District

05171130.act



AS BUILT PLAN & PROFILE

Edge Rock May

Arton, Elizabeth
 OWNER JOSEPH & MARGARET BRITT

NELSON ENGINEERING INC.

144 SUDBURY ROAD CONCORD, MASS

SCALE 1" = 40'

NOVEMBER 20, 1980
 DECEMBER 16, 1980



Robert Nelson

BENCH MARK

E DISC SET IN CONC. MONUMENT

162.84

dry B.M. Set on S. B. O+O₂ LT. 55±

173.29

0+135

172.41

edge of paving

Main St

0+0

172.51

☉ C.B's

0+26 LT. Rim 171.92
Inv. 170.26

0+25 RT. Rim 171.90
Inv. 170.00 in
169.90 out

0+50

172.43

12" rcp cross drain
outlet 169.90 right side

1+0

173.06

1+50

173.74

2+0

174.61

2+50

175.33

3+0

175.92

3+50

176.19

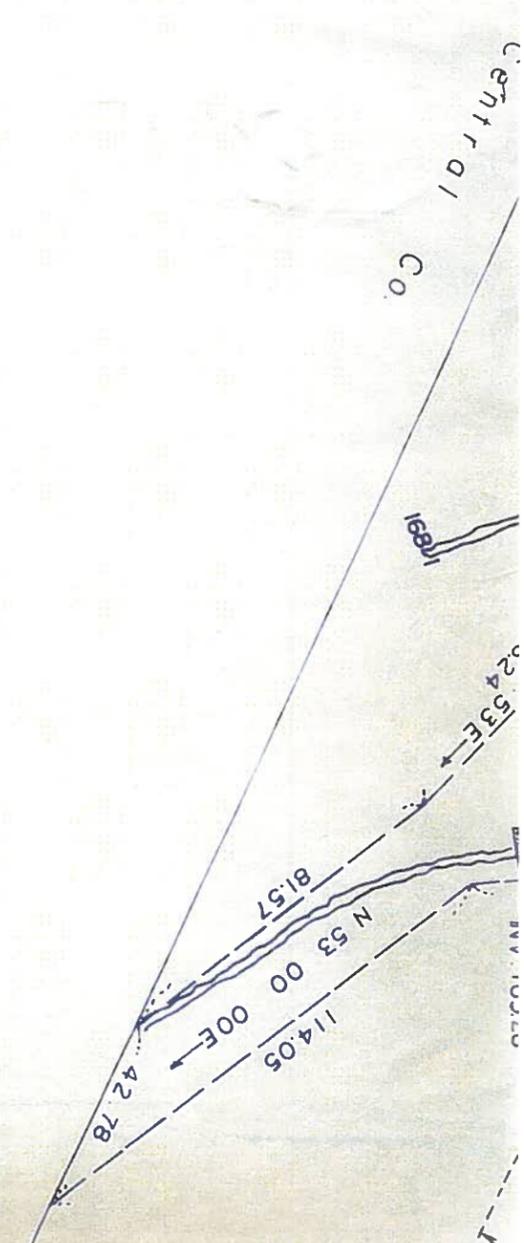
4+0

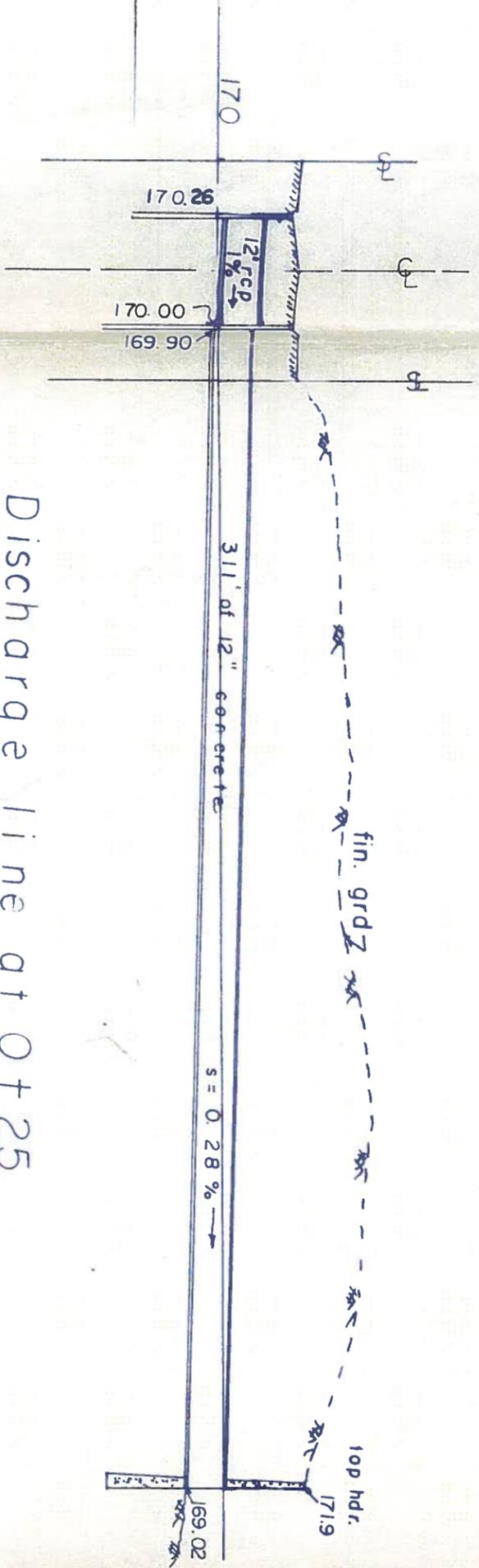
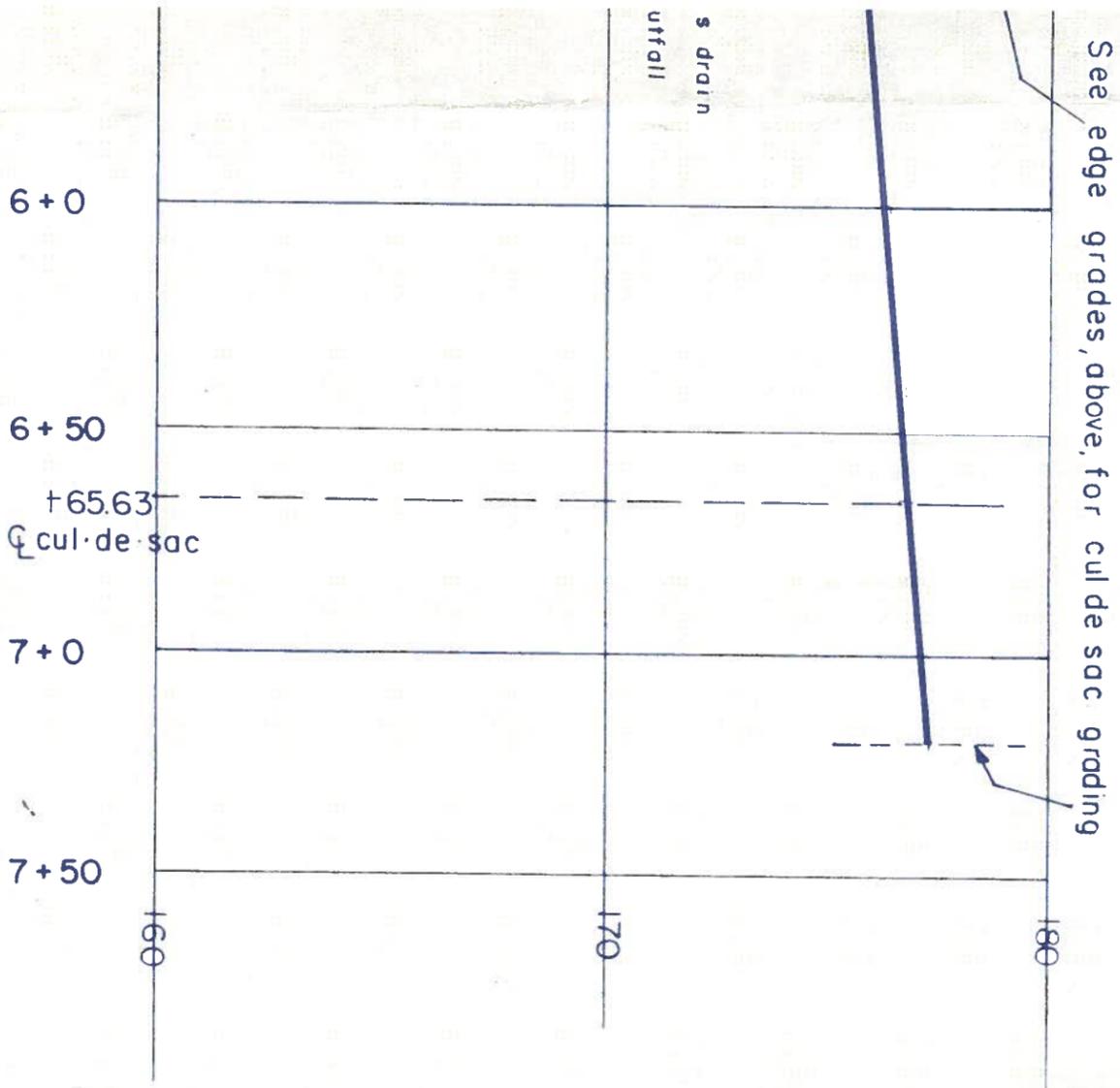
176.27

4+50

176.01

PROFILE SCALE HOR 1" = 40' VERT. 1" = 4'





Discharge line at 0+25
profile scale hor 1"=40' vert 1"=4'

● INDICATES GRANITE BOUND SET, with
Brass pin set in lead plug

