

LJA

Leonard Jackson Associates

Consulting Engineers

26 Firemans Memorial Drive . Pomona, New York 10970 . (845) 354-4382 . FAX (845) 354-4401

**PATRICK FARM
TOWN OF RAMAPO
ROCKLAND COUNTY, NEW YORK**

**STREAM
DISTURBANCE REPORT**

Prepared for the New York State
Department of Environmental Conservation

RECEIVED
MAR 30 2012
ENVIRONMENTAL PERMITS
NYS DEC REGION 3 NEW PALTZ

February 24, 2012
LJA #09051

Leonard Jackson PE PLLC dba Leonard Jackson Associates

Leonard Jackson Associates

TABLE OF CONTENTS

NARRATIVE

WATERCOURSE IDENTIFICATION MAP

DISTURBANCE LOCATION PLAN

STREAM DISTURBANCE LOCATION 'A' PART PLAN

STREAM DISTURBANCE LOCATION 'B' PART PLAN

ROCK OUTLET PROTECTION DETAIL

PHOTO LOCATION PLAN A

PHOTOGRAPHS OF DISTURBANCE LOCATION A

PHOTO LOCATION PLAN B

PHOTOGRAPHS OF DISTURBANCE LOCATION B

Appendix

Correspondence

CULVERT IMPROVEMENT PLAN AND DETAILS

Leonard Jackson Associates

NARRATIVE

The Patrick Farm project is located southwest of the intersection of US Route 202 and NYS Route 306 in the Town of Ramapo, Rockland County, New York. The site includes several watercourses as shown on the Watercourse Identification Map enclosed herein. A Proposed Disturbances Location Plan is provided to show the locations of the proposed stream disturbances and the dam replacement.

For purposes of SEQR, the Patrick Farm development consisted of three entities, Patrick Farm Subdivision, Condominiums site plan and Volunteer Housing site plan. For purposes of the application to the New York State Department of Environmental Conservation (NYSDEC), only the subdivision is applicable because all proposed work under the jurisdiction of the NYSDEC shall be performed in conjunction with the subdivision.

A Draft Environmental Impact Statement and subsequent Final Environmental Impact Statement were prepared to analyze the potential environmental impact of the proposed development. At the conclusion of the environmental review process the Ramapo Town Board issued a Findings Statement dated January 25, 2010. The subdivision application has received final approval from the Town of Ramapo Planning Board on December 27, 2011. The Findings Statement and Resolution of Subdivision approval are included within the application package.

Leonard Jackson Associates has coordinated with both the NYSDEC and United States Army Corps of Engineers (ACOE) throughout the SEQR process and has continued to coordinate with these agencies as demonstrated by the correspondence included in the Appendix and the following summary. Leonard Jackson Associates (LJA) with the assistance of the New York State DEC (DEC) leveraged the pre-Application process as an opportunity to develop a plan based upon limiting and avoiding disturbance of regulated areas to only disturbances which may be considered reasonable and necessary and may meet the standards for permit issuance. The following chronology documents how the pre-Application process was used to revise the development plans in response to DEC comments and limit disturbances through a strategy of avoidance.

Chronology of Activity: DEC Pre-Application #3-3926-00570/00002

Item	Date	Activity
1	10-08-09	Pre-Application Conference at Region 3 DEC Office, New Paltz.
2	11-16-09	Preliminary Submission from LJA to the DEC.
3	12-30-09	DEC Response to 11-16-09 Preliminary Submission from LJA.
4	01-28-10	DEC Site Visit accompanied by Carpenter Environmental Associates.
5	02-04-10	Preliminary Resubmission from LJA to the DEC.
6	03-17-10	DEC Response to 02-04-10 Preliminary Resubmission from LJA.

1) Stream Disturbance 1 of 2 (Location A)

Proposed construction activities within the regulated area of Tributary 2 at Location 'A' include excavation and grading for placement of rock outlet protection and the installation of a headwall. Location 'A' is approximately 250 feet upstream of the Route 202 crossing of Tributary 2 as illustrated on the "Proposed Disturbances Location Plan". The proposed disturbance area at Location 'A' is within the stream bank only and does not encroach into the stream bed. The area of disturbance within the stream bed is 113 square feet (0.0026 acres). Site photos are also provided at the location of the proposed disturbance.

Leonard Jackson Associates

2) Stream Disturbance 2 of 2 (Location B)

The August 15, 2011 correspondence from Adam Peterson of the NYSDEC indicates that the previously proposed parallel culvert at Location 'B' was not in conformance with their regulatory standards, but the full removal and replacement of the culvert would be consistent with their permitting standards. The current Route 202 culvert improvement plans reflect the removal and replacement of the existing culvert with a new 4.5 foot high by 10 foot wide box culvert.

The correspondence indicates the improvements will be a New York State Department of Transportation (NYSDOT) project with the Patrick Farm development sponsor as the contractor. While the improvement is associated with a NYSDOT facility (Route 202), the project is not a NYSDOT project. The Patrick Farm developer will obtain the requisite NYSDEC permit(s), applicable NYSDOT permits and construct the improvements.

The November 28, 2012 correspondence from John R. Connell, Acting Chief of the ACOE's Eastern Permits Section indicates that an individual permit is not required for the work at Location 'B' and verifies that work could be accomplished under Nationwide Permit Number 14. While that correspondence was in response to a LJA submission which illustrated the construction of a parallel culvert, on December 2, 2011, LJA subsequently sent the ACOE subsequent information in support of the culvert replacement in lieu of the parallel culvert.

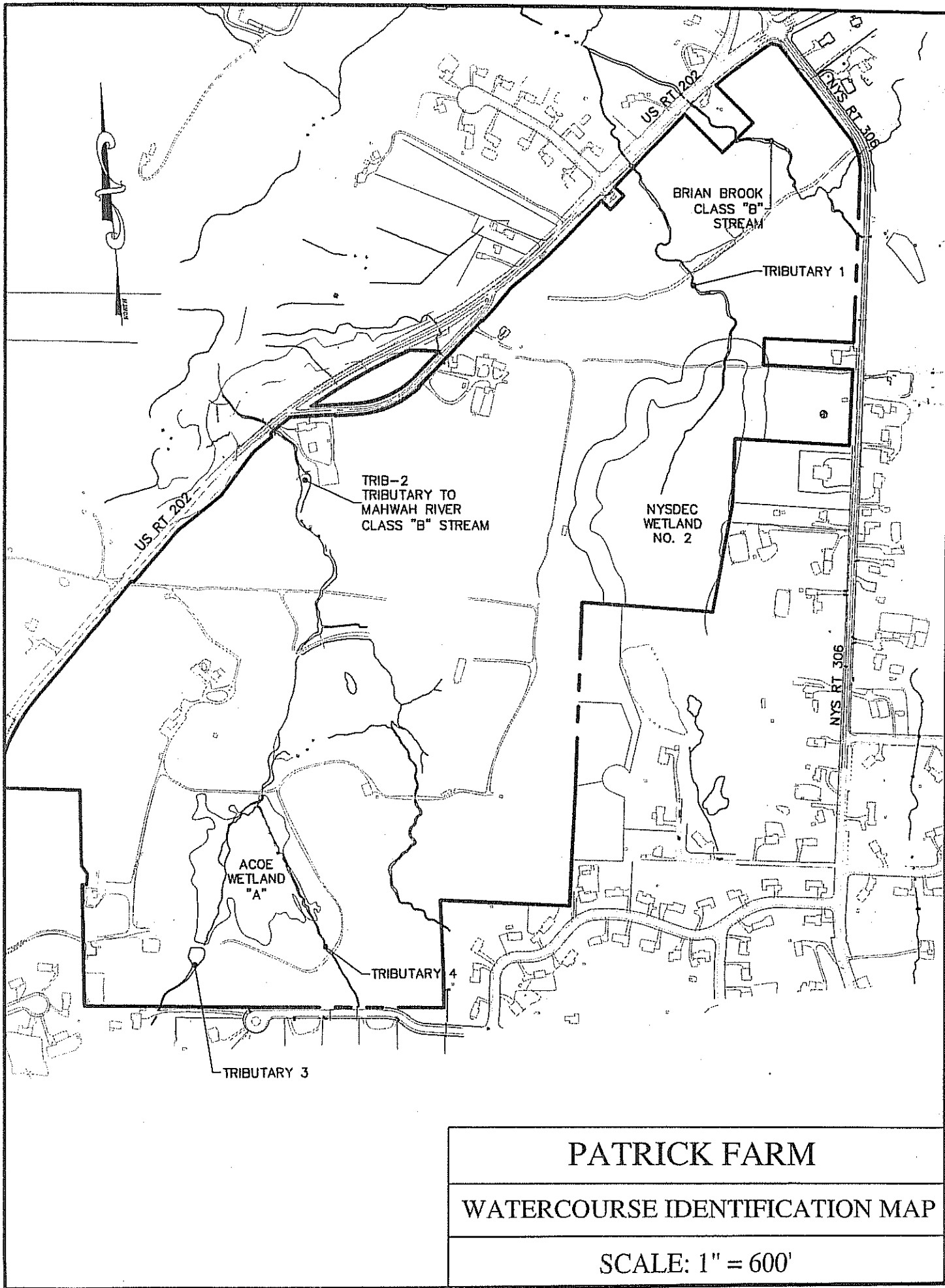
Proposed construction activities within the regulated area at Location 'B' include excavation and grading for the installation of a replacement concrete culvert and appurtenant headwalls. Location 'B' is at the culvert crossing beneath Route 202 as illustrated on the "Proposed Disturbances Location Plan". The proposed disturbance area at Location 'B' is within the stream bed and banks. The total area of proposed disturbance is 832 square feet (0.0191 acres) and is temporary.

DISTURBANCE SUMMARY TABLE

Watercourse	Jurisdiction	Location	Type of Disturbance	Area of Disturbance
Trib-2	NYSDEC	A	Permanent	113 sq. ft.
Trib-2	NYSDEC	B	Temporary	832 sq. ft.
Trib-2	ACOE	B	Temporary	225 sq. ft.

Notes:

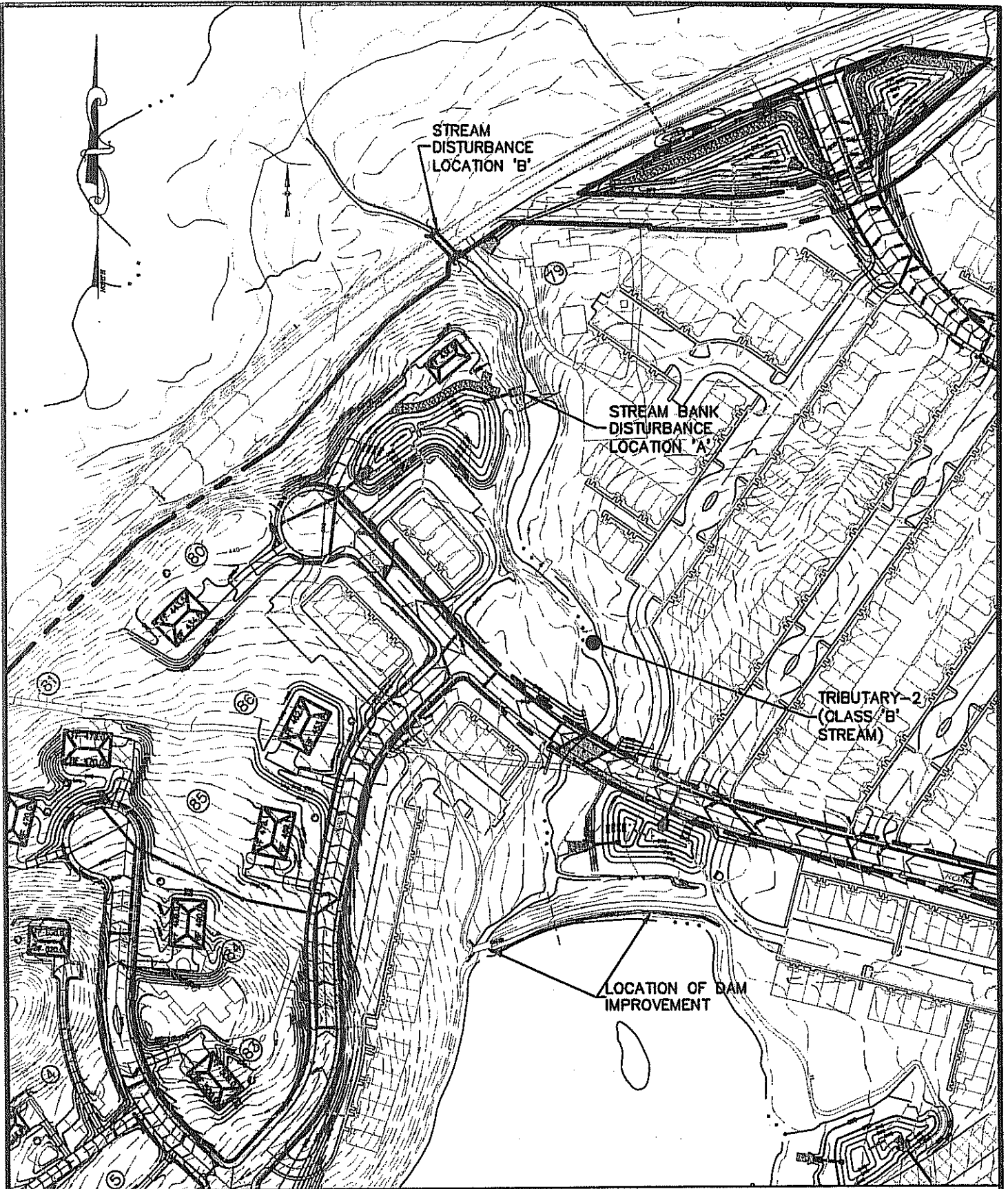
1. Brian Brook and Tributary-2 (downstream of pond) are protected streams under the jurisdiction of the New York State Department of Environmental Conservation (NYSDEC).
2. All other on-site watercourses are Waters of the United States under the jurisdiction of the United States Army Corps of Engineers (ACOE).
3. Disturbance areas of NYSDEC regulated areas include the bed and banks of the watercourse.
4. Disturbance areas of Waters of the United States include the ordinary high water mark (OHWM) of the watercourse only.



PATRICK FARM

WATERCOURSE IDENTIFICATION MAP

SCALE: 1" = 600'

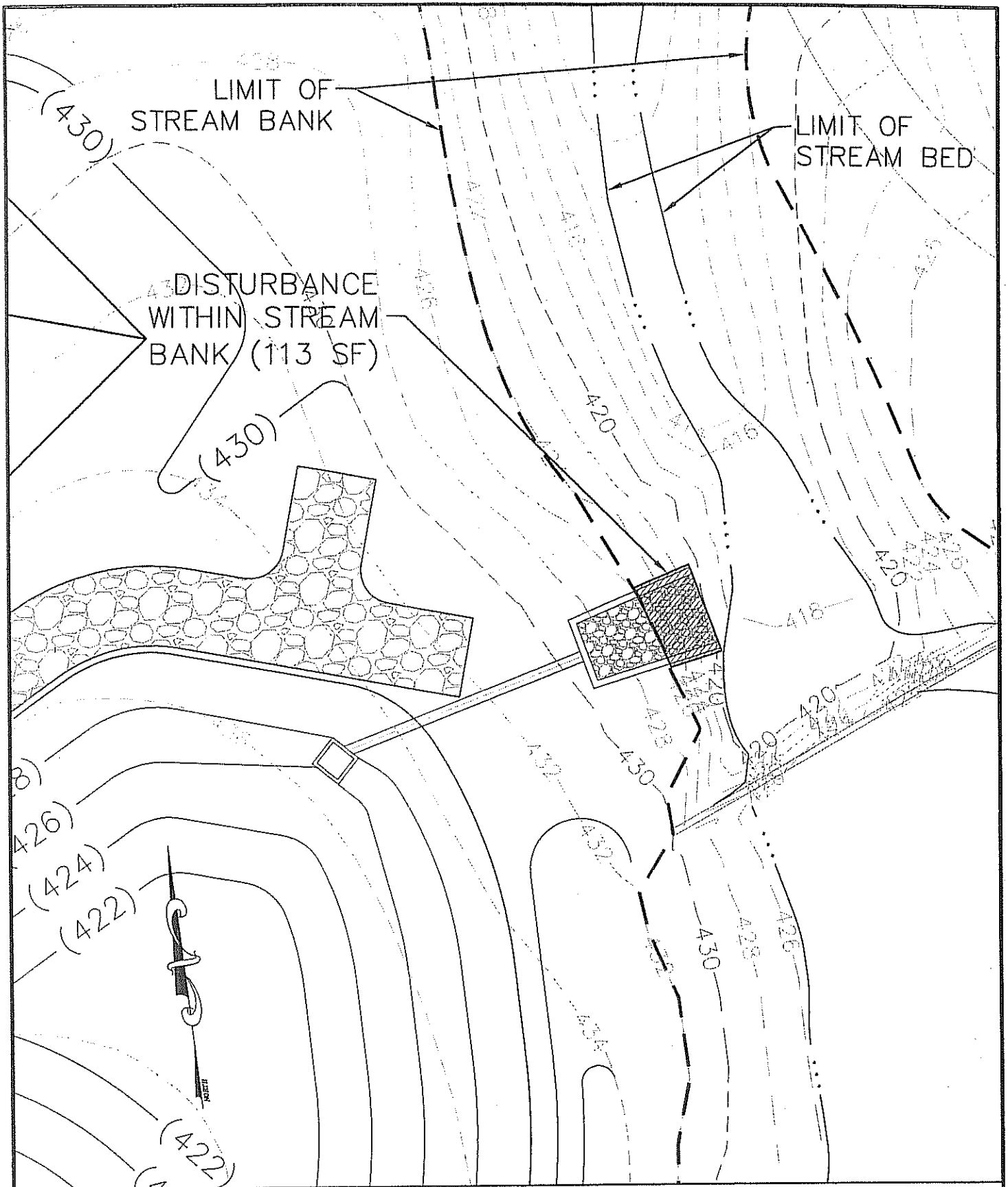


REFER TO 'STREAM BANK DISTURBANCE REPORT' AND 'DAM IMPROVEMENT REPORT' FOR DETAILS AND PART PLANS OF THE PROPOSED DISTURBANCES.

PATRICK FARM

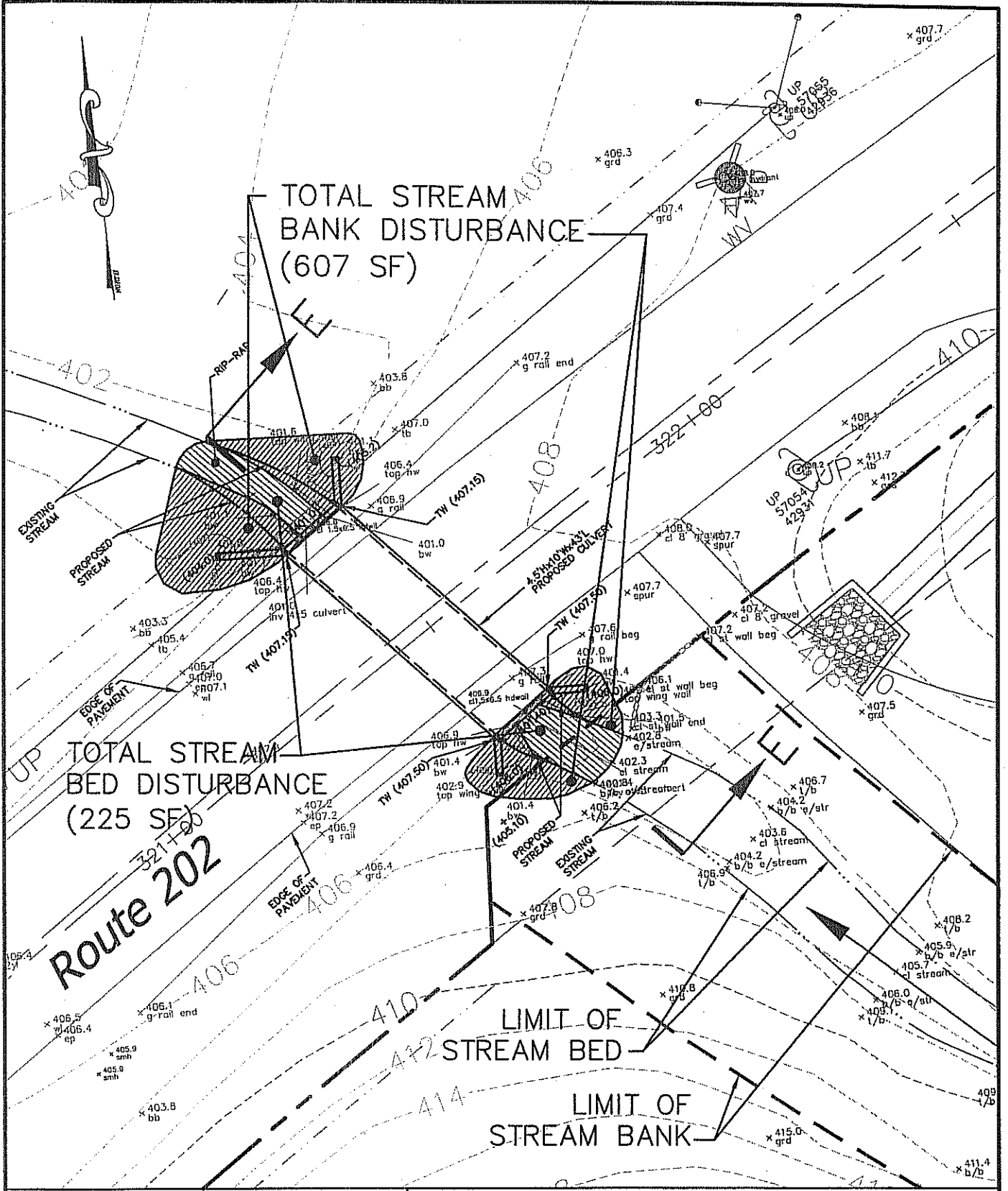
DISTURBANCE LOCATION PLAN

SCALE: 1" = 200'

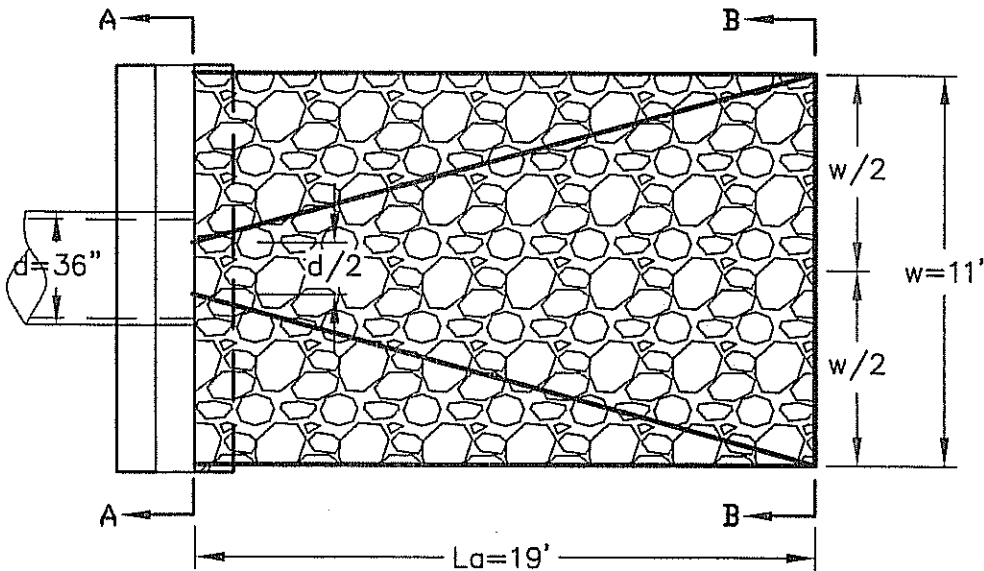


PATRICK FARM
STREAM DISTURBANCE
LOCATION 'A' PART PLAN

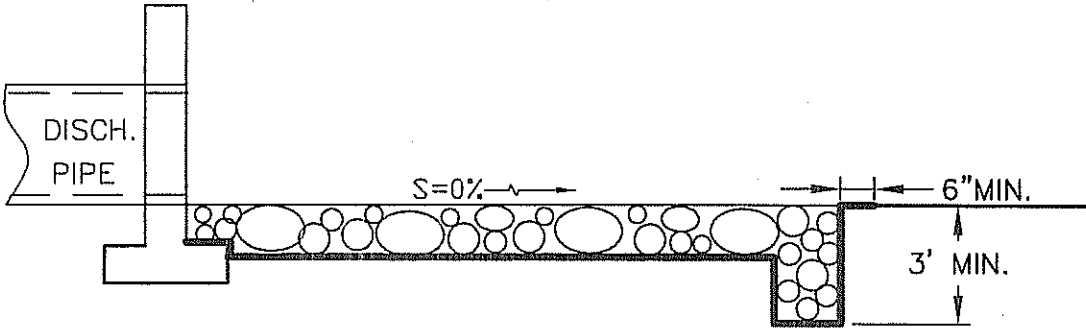
SCALE: 1" = 20'



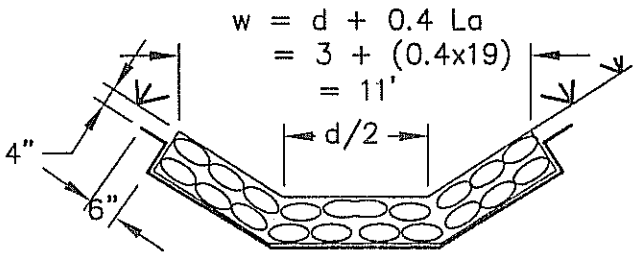
PATRICK FARM
STREAM DISTURBANCE LOCATION 'B' PART PLAN
SCALE: 1" = 20'



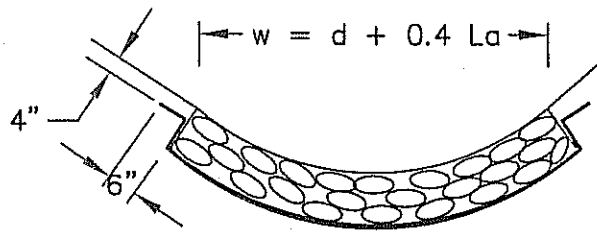
PLAN VIEW



PROFILE VIEW



**SECTION A-A
(AT END OF CULVERT)**

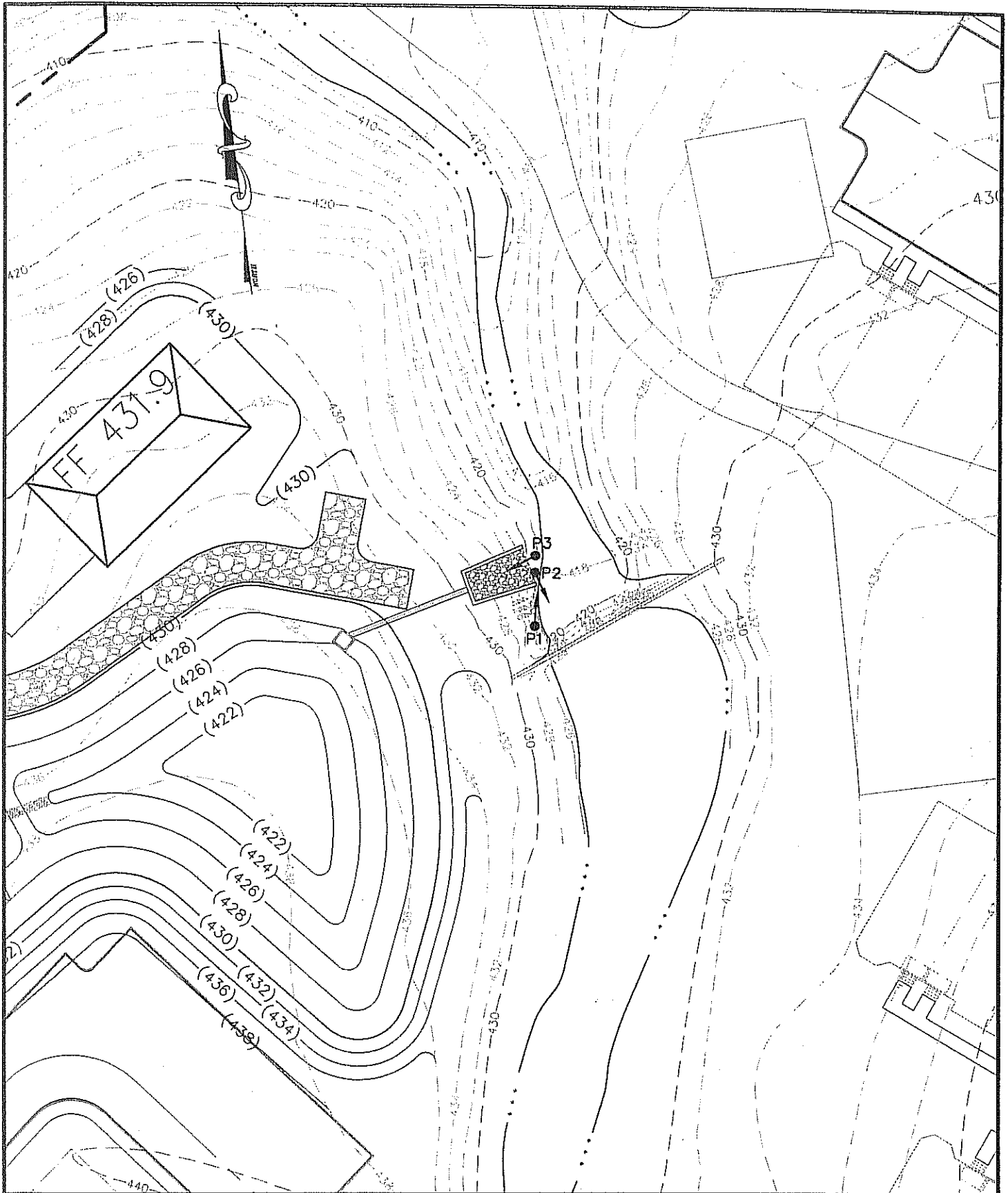


**SECTION B-B
(AT END OF APRON)**

PATRICK FARM

ROCK OUTLET PROTECTION DETAIL

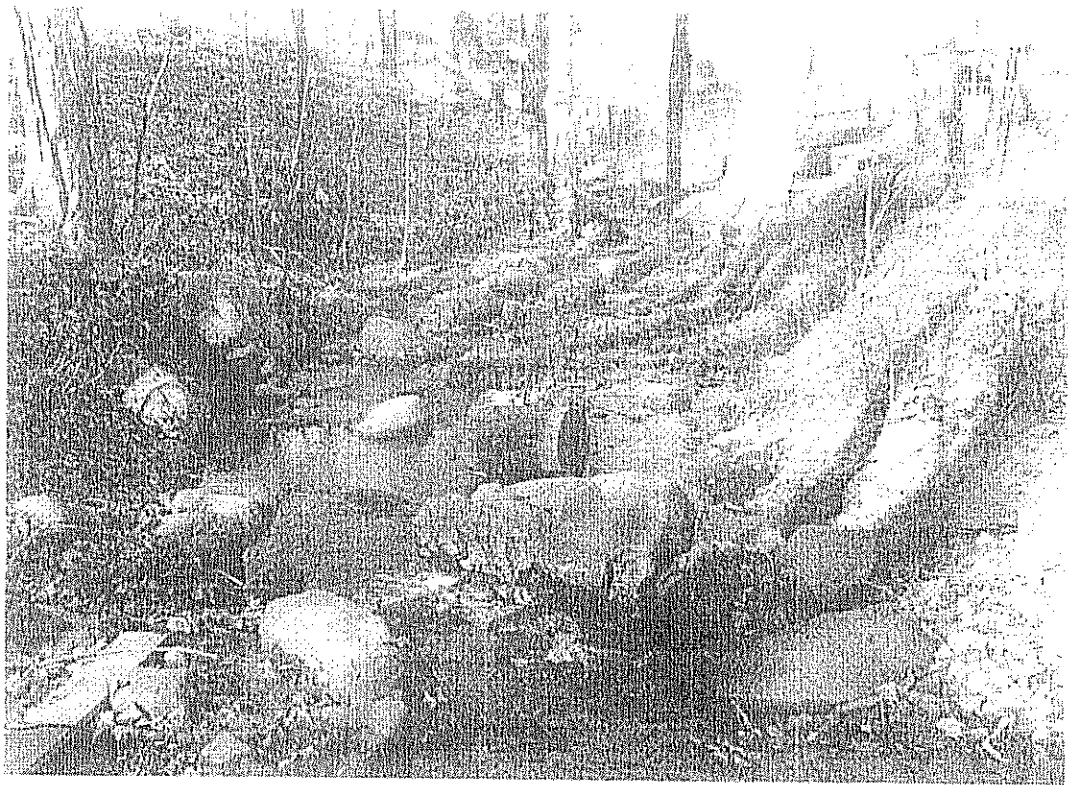
NOT TO SCALE



PATRICK FARM

PHOTO LOCATION PLAN A

SCALE: 1" = 40'



Picture P1

Date & Time Taken: 11/29/2007 @ 9.32 am



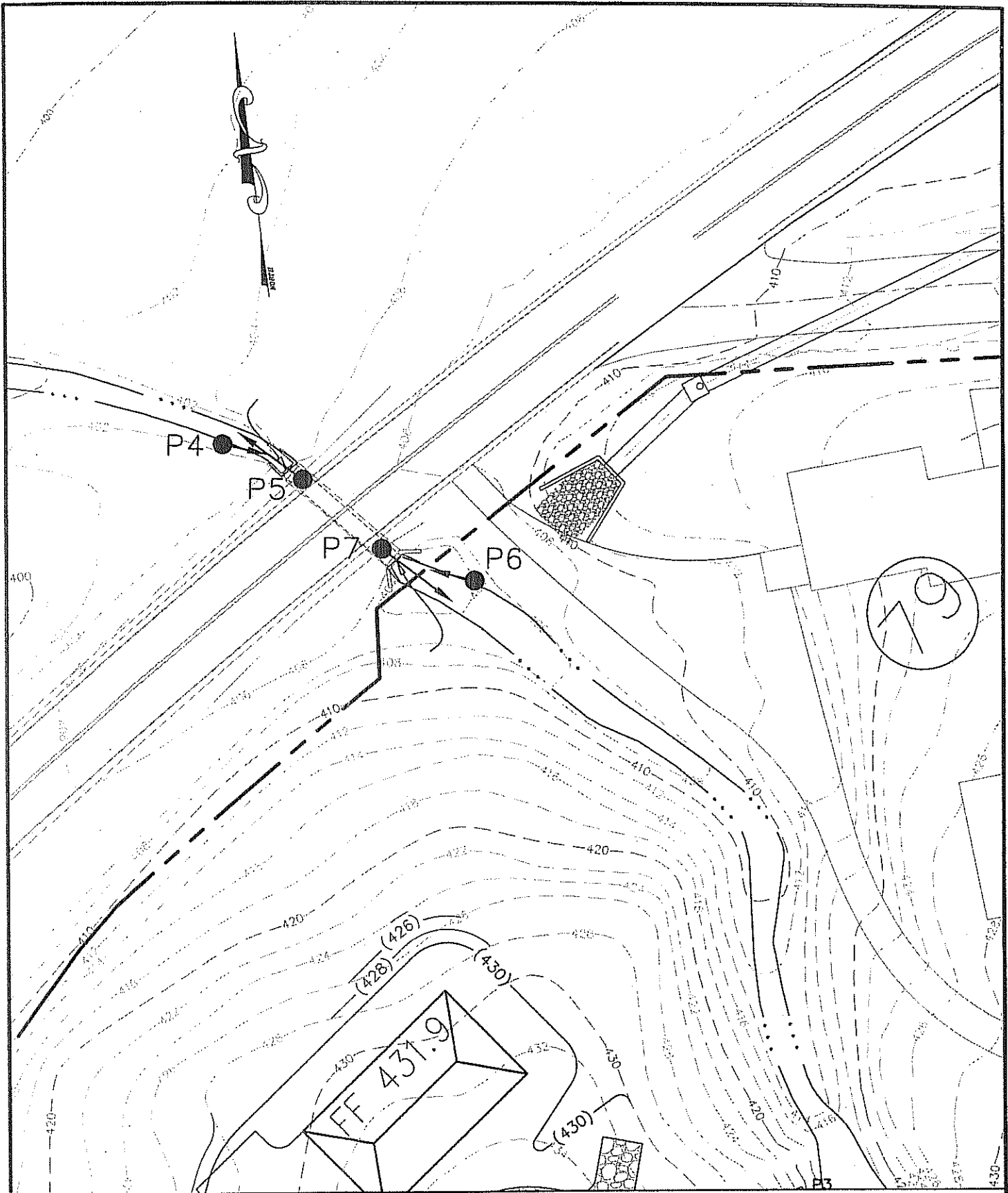
Picture P2

Date & Time Taken: 11/29/2007 @ 9.32 am



Picture P3

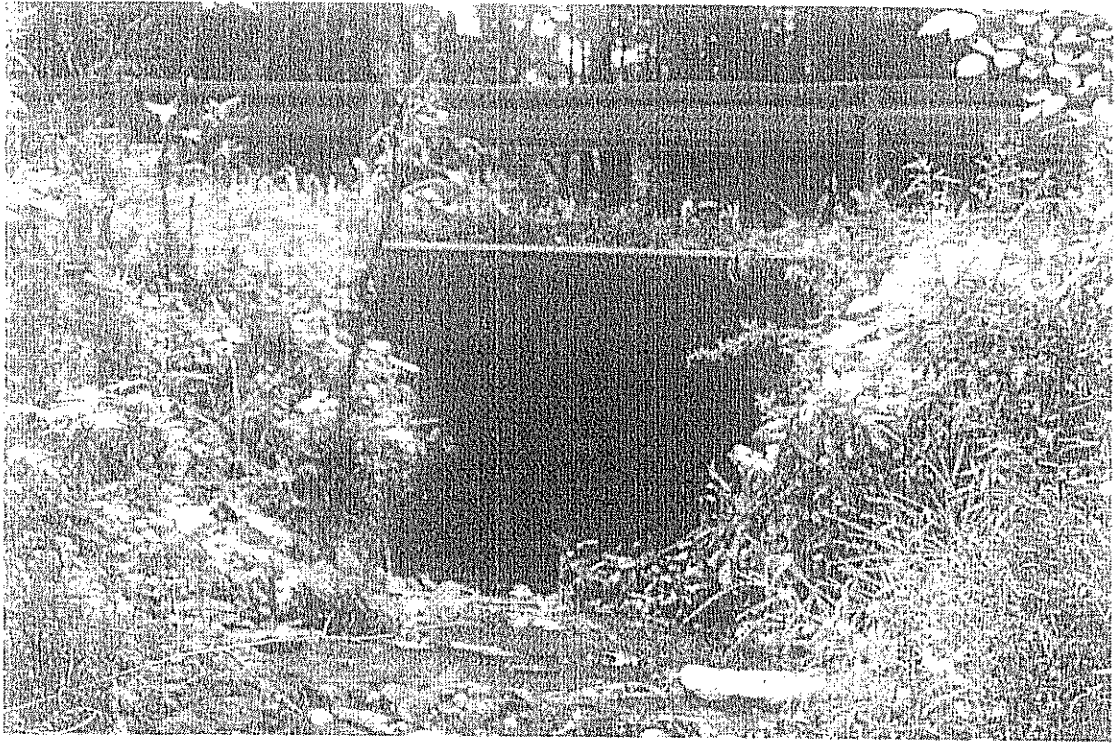
Date & Time Taken: 11/29/2007 @ 9.33 am



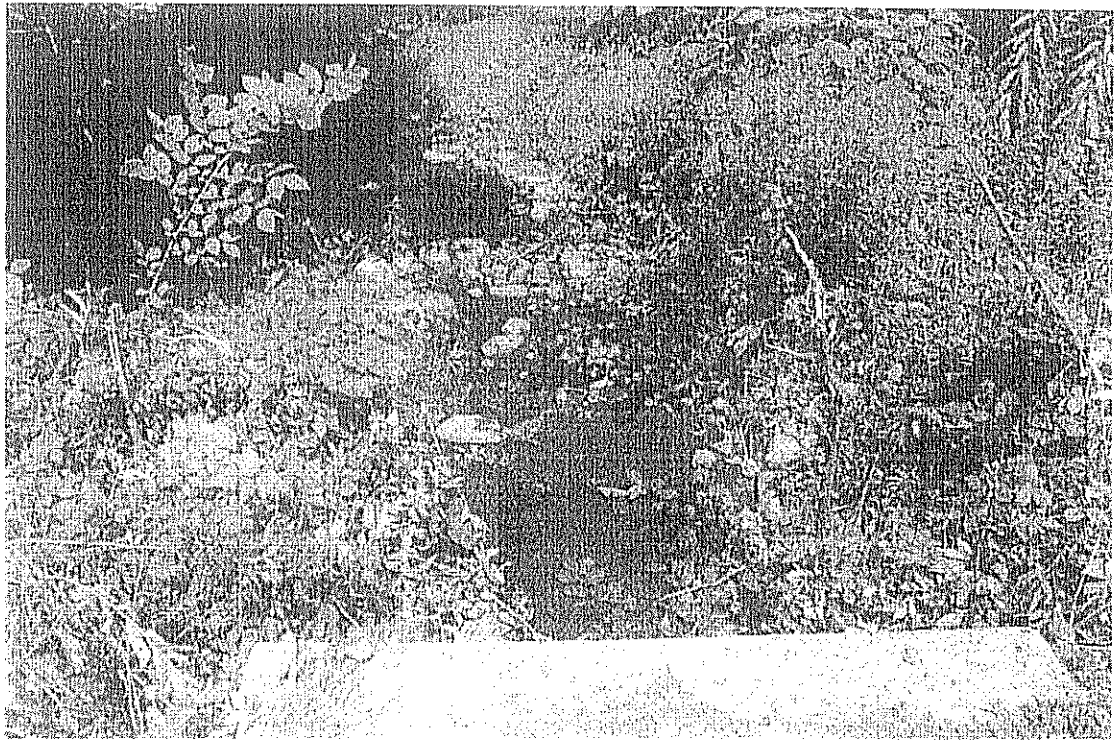
PATRICK FARM

PHOTO LOCATION PLAN B

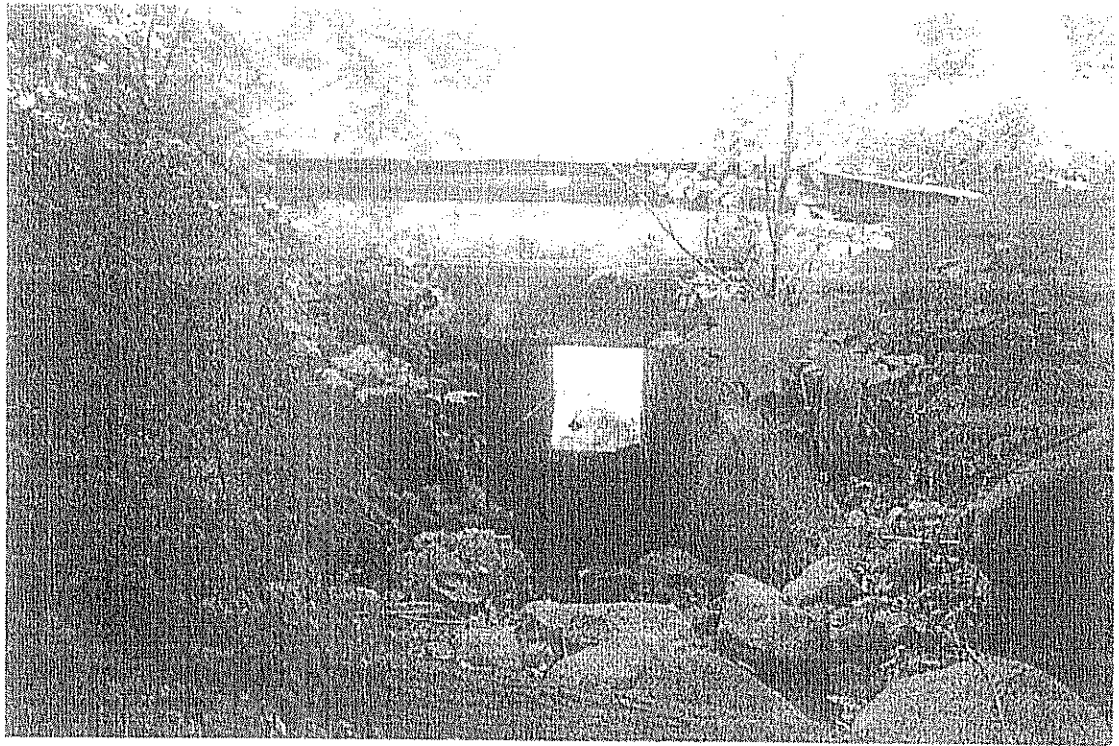
SCALE: 1" = 40'



Picture P4 – Downstream face of existing Route 202 culvert
Picture Taken: 11/29/2007



Picture P5 – Looking downstream from the d/s face of existing Rt. 202 culvert
Picture Taken: 11/29/2007



Picture P6 – Upstream face of the existing Rt. 202 culvert
Picture Taken: 11/29/2007



Picture P7 – Looking upstream from the u/s face of existing Rt. 202 culvert
Picture Taken: 11/29/2007

Leonard Jackson Associates

PATRICK FARM STREAM DISTURBANCE REPORT

APPENDIX:

A) Selected Correspondence

1. 03-17-10 letter from NYSDEC.
Letter indicates that the disturbances associated with the on-site development may meet the standards for permit issuance.
2. 01-05-11 letter from ACOE.
Letter indicates that a Department of the Army Permit is not required for the on site development.
3. 08-15-11 letter from NYSDEC.
Letter indicates that an off-site 10 foot wide replacement culvert at Route 202 may be consistent with DEC permitting standards.
4. 11-28-11 letter from ACOE.
Letter indicates that off-site parallel box culvert proposal at Route 202 could be accomplished under Nationwide Permit Number 14
5. 12-02-11 letter from LJA to ACOE.
Letter informing the ACOE that the off-site parallel box culvert proposal at Route 202 is now a single box culvert replacement.

Note: The off-site box culvert replacement at the "Trib 2" crossing at Route 202 was not initially proposed by the Applicant because the development will not increase peak discharge rates. This proposal came later after the NYSDOT learned that the existing culvert is undersized under existing conditions and the NYSDOT indicated that the culvert should be improved.

B) Off-Site Culvert Replacement Plans at Route 202 (Subdivision Drawings 91 & 92)

New York State Department of Environmental Conservation

Division of Environmental Permits, Region 3

21 South Putt Corners Road, New Paltz, New York 12561-1620

Phone: (845) 256-3000 • FAX: (845) 255-4659

Website: www.dec.ny.gov



Alexander B. Granits
Commissioner

DENNIS ROCKS
LEONARD JACKSON ASSOCIATES
26 FIREMANS MEMORIAL DRIVE
POMONA, NY 10970

March 17, 2010

MAR 19 2010

RE: DEC Pre-Application #3-3926-00570/00002
Patrick Farm Development Project
497 Residential Units on 208 Acres
Town of Ramapo, Rockland County

Dear Mr. Rocks,

On February 5, 2010 the New York State Department of Environmental Conservation (DEC or Department) received your response to the Department's December 30, 2009 correspondence regarding proposed disturbances within 50 feet of two NYS protected streams (both Class B tributaries to the Mahwah River) associated with the proposed Patrick Farm development project. This letter serves to continue the *preliminary* site plan review regarding these disturbances. This *preliminary* review was initiated following submission of the Department's comments on the Draft Environmental Impact Statement (DEIS) in which the Department recommended that the site plan for this project be designed in a manner that would maintain a 50 foot wide vegetated corridor ("the corridor") on each side of the protected streams. The Department's previous correspondence (copy enclosed) outlined four proposed general disturbances that encroach into the corridor and thus appear to fall within the regulatory jurisdiction of the Department. Two of these disturbances (identified as disturbances 3 and 4 in the December 30, 2009 correspondence) were identified as likely warranting further site plan revision. Your most recent submission further discusses these disturbances and provides a modified site plan, which has been revised in an attempt to address the Department's concerns. The Department understands that this *preliminary* site plan review process has been initiated in an effort to avoid the potential eventuality of DEC's denial of a permit, after a formal application has been submitted.

Although the Department recommends the maintenance of a vegetated corridor on either side of NYS protected streams, the Department's regulatory authority applies only to physical disturbances to the bed or banks of NYS protected streams. 6 NYCRR Part 608 defines "banks" as "that land immediately adjacent to, and which slopes toward, the bed of a watercourse, and which is necessary to maintain the integrity of a watercourse. For the purposes of this Part, a bank will not be considered to extend more than fifty (50) feet horizontally from the mean high water line; with the following exception: Where a generally uniform slope of 45 degrees (100 percent) or greater adjoins the bed of the watercourse, the bank is extended to the crest of the slope or the first definable break in slope, either a natural or constructed (i.e., road or railroad grade) feature, lying generally parallel to the watercourse." Based on a recent site visit by DEC staff, a clearly defined top of bank exists within the areas of the stream corridor discussed in items 1 & 2 below, thereby demarcating the extent of the Department's jurisdiction. As you are aware, any disturbance within the bed or banks requires a Use and Protection of Waters permit (Article 15). In order for the Department to issue an Article 15, Use and Protection of Waters permit, it must be demonstrated that any disturbance within the stream bed and/or bank are "reasonable and necessary."

Regarding the most recently submitted site plan (dated 2/3/10), the Department offers the following:

1. Stream side excavations of two stormwater detention basins and roadway construction in the vicinity of Building 92 (identified as disturbance No. 3 in prior correspondence):

A. The Department's prior correspondence noted proposed stream bank excavation related to the construction of stormwater detention basins in the vicinity of Building 92. The prior correspondence also noted that these disturbances would not likely meet permit issuance standards. The most recently submitted site plan, however, depicts a substantially reduced disturbance within the corridor which will likely eliminate Article 15 jurisdiction directly related to the construction of the stormwater basins. As such, it appears that the Department's Article 15 jurisdiction regarding this portion of the stream will be limited to the construction of stormwater outfalls on the stream bank (not shown on the most recently submitted plan but indicated in the DEIS), a disturbance which may potentially meet the "reasonable and necessary" standard provided adequate justification is presented.

2. Construction of the roadway providing access to Buildings 101 and 102 (identified as disturbance No. 4 in prior correspondence):

A. The Department's prior correspondence noted a proposed access roadway potentially requiring the construction of a retaining wall on the banks of a protected stream. The Department's prior correspondence also noted that this disturbance would not likely meet permit issuance standards, due to apparent design alternatives available to avoid this disturbance. The most recent submission, however, depicts a substantially reduced disturbance within the corridor, likely eliminating the Department's Article 15 jurisdiction regarding disturbance to this portion of the stream.

Please note that the determinations above are *preliminary* and submission of a formal application including all necessary supplementary information will be required prior to issuance of a definitive determination. Please also note that this letter serves as a *preliminary* site plan review performed as part of the pre-application process and is in no way intended to supersede any comments offered by the Department through the SEQR process. The Department continues to encourage the Town of Ramapo Town Board to evaluate the benefits of maintaining a vegetated stream side corridor which extends beyond this Department's jurisdiction. Please contact me with any questions that you may have at (845) 256-3096.

Sincerely,



Adam Peterson
Environmental Analyst

Enclosure

Cc: Scenic Development, LLC (w/enclosure)
Town of Ramapo Town Board (w/enclosure)
Brian Drumm, DEC (Via GW)
USACOE



DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090

JAN 05 2011

REPLY TO
ATTENTION OF:

Regulatory Branch-Eastern Permits Section

SUBJECT: Permit Application Number NAN-2010-00757-ESP
by Patrick Farms Condominiums

Patrick Farms Condominiums
c/o Carpenter Environmental Associates, Inc.
ATTN: Greg M. Fleisher
307 Museum Village Road
Monroe, N.Y. 10950

Gentlemen:

On September 29, 2020, the New York District, U.S. Army Corps of Engineers received a request for Department of the Army authorization to construct a number of arch culverts to serve as pedestrian and linear transportation crossings. These would not convey water and be constructed entirely in the upland areas within a property that drains into the Mahwah River and Ramapo Rivers/Passaic River at Ladentown, Town of Ramapo, Rockland County, New York.

Our review indicates that since the proposed work does not appear to include dredging or construction activities in or over any navigable waters of the United States, the placement of any dredged or fill material in any waters of the United States (including coastal or inland wetlands) or the accomplishment of any work affecting the course, location, condition or capacity of such areas, a Department of the Army permit, in accordance with 33 CFR 320-330, will not be required provided the proposed work is executed in accordance with the referenced material.

Care should be taken so that any fill or construction materials, including debris, do not enter the waterway to become a drift or pollution hazard. You are to contact appropriate state and local government officials to ensure that the subject work is performed in compliance with their requirements.

In order for us to better serve you, please complete our Customer Service Survey located at <http://www.nan.usace.army.mil/business/buslinks/regulat/index.php?survey>

If any questions should arise concerning this matter, please contact Craig Spitz, of my staff, at (917) 790-8522.

Sincerely,



Stacey M. Jensen
Chief, Eastern Permits Section

Enclosures

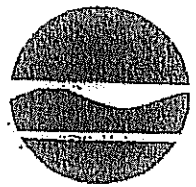
New York State Department of Environmental Conservation

Division of Environmental Permits, Region 3

21 South-Putt Corners Road, New Paltz, New York 12561-1620

Phone: (845) 256-3000 • FAX: (845) 255-4659

Website: www.dec.ny.gov



Joe Martens
Commissioner

August 15, 2011

LEONARD JACKSON
LEONARD JACKSON ASSOCIATES
26 FIREMANS MEMORIAL DRIVE
POMONA, NY 10970

RE: DEC Pre-Application No. 3-3926-00570/00002
Patrick Farm Development Project- 497 Residential Units on 208 Acres
NYS Route 202 Culvert Improvement
Town of Ramapo, Rockland County

Dear Mr. Jackson,

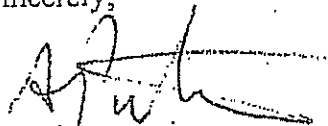
On August 1, 2011 the NYS Department of Environmental Conservation (DEC or Department) received your request for preliminary review of the proposed installation of a 5' x 5' concrete box culvert, parallel to an existing 4' x 5' box culvert passing a tributary to the Mahwah River (Class B) beneath NYS Route 202. Your August 1, 2011 request was followed up by an August 9, 2011 electronic mailing in which Dennis Rocks of your staff proposed, in narrative form, the replacement of the existing culvert with a single 4' x 10' wide box culvert, should the Department determine that the initially proposed parallel design does not meet DEC regulatory standards. The Department understands that the culvert improvement project is necessitated by the undersized condition of the existing culvert, which is unable to accommodate flows from storms larger than a 25 year event.

The Department has preliminarily determined that the proposed parallel box culvert design does not meet permit-issuance standards, as it would result in a double culvert design not generally approvable by the Department. However, the proposed alternative of replacing the existing undersized culvert with a 10 foot wide box culvert is consistent with DEC permitting standards. The formal submission for Departmental approval must include a site plan and cross section of the proposed culvert (showing that the box culvert will be buried at least one foot below the existing stream grade, with natural streambed material spread throughout the bottom of the culvert) and an appropriate dewatering plan. Further, as the Department understands this proposal to be a NYS Department of Transportation (DOT) project, with the Patrick Farm Development project sponsor to serve as the project contractor, the formal submission for Department approval must be made by DOT in accordance with the DEC/DOT Article 15 Memorandum of Understanding (MOU). If requested, the Department will review the proposed site plan, cross sections, dewatering plan, etc. when prepared by your firm, to expedite Departmental approval of the proposed work upon DOT's initiation of the MOU process. Additionally, please note that as the Department understands that coverage under Nationwide Permit (NWP) No. 3 will be sought from the United States Army Corps of Engineers (USACOE); individual Section 401 Water Quality Certification is not required from this Department.

Patrick Farm Development Project
NYS Route 202 Culvert Replacement
August 15, 2011

Please note that this is the Department's preliminary position and no definitive determinations will be provided until a proposal is included as part of a DOT submission in accordance with the above referenced MOU. Please contact me with any questions that you may have at (845) 256-3096.

Sincerely,



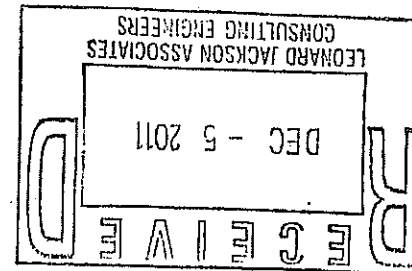
Adam Peterson
Environmental Analyst

Cc: Scenic Development, LLC
Terence Donoghue, NYS DOT
Town of Ramapo Town Board
USACOE

Ecc: Brian Drumm, DEC
Dennis Rocks, Leonard Jackson Associates
Greg Fleisher, Carpenter Environmental Associates



DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090



NOV 28 2011

REPLY TO
ATTENTION OF:

Regulatory Branch-Eastern Permits Section

SUBJECT: Permit Application Number NAN-2011-00851
by New York State Department of Transportation

Terence J. Donoghue, P.E.
Regional Highway Work Permit Coordinator
New York State Department of Transportation-Region 3
4 Burnett Boulevard
Poughkeepsie, New York 12603

Dear Mr. Donoghue:

On July 20, 2011, the New York District Corps of Engineers received a request for Department of the Army authorization for the discharge of fill material into waters of the United States to upgrade an existing road crossing. The request was submitted by Leonard Jackson Associates, representing the applicant. The site is in an unnamed tributary known as "Tributary Number 2" to the Mahwah River, and is located along New York State Route 202, in the Town of Ramapo, Rockland County, New York.

By letter dated July 18, 2011, and the attached drawing entitled "NYS Route 202: Proposed Culvert Sketch Plan," prepared by Leonard Jackson Associates, and dated July 18, 2011, the applicant indicated that the total impacts to waters of the United States would involve the discharge of fill material to expand the capacity of an existing culvert by installing a 5 foot by 5 foot box culvert with a stone bottom alongside the existing culvert along 40 linear feet of the waterway.

Based on the information submitted to this office, and accomplishment of notification in accordance with the applicable federal requirements, our review of the project indicates that an individual permit is not required. It appears that the activities within the jurisdiction of this office could be accomplished under Department of the Army Nationwide General Permit Number 14. The nationwide permits are prescribed as an Issuance of Nationwide Permits in the Federal Register dated March 12, 2007 (FR Vol. 72, No. 47). The work may be performed without further authorization from this office provided the activity complies with the permit conditions listed in Section B, No. 14, Section C, any applicable New York District regional conditions, and any applicable regional conditions added by the State of New York, copies enclosed.

This determination covers only the work described in the submitted material. Any major changes in the project may require additional authorizations from the New York District.

Care should be taken so that construction materials, including debris, do not enter any waterway to become drift or pollution hazards. You are to contact the appropriate state and local

government officials to ensure that the subject work is performed in compliance with their requirements.

Please note that this nationwide permit (NWP) verification is based on a preliminary jurisdictional determination (JD). A preliminary JD is not appealable. If you wish, prior to commencement of the authorized work you may request an approved JD, which may be appealed, by contacting the New York District, U.S. Army Corps of Engineers for further instruction. To assist you in this decision and address any questions you may have on the differences between preliminary and approved jurisdictional determinations, please review U.S. Army Corps of Engineers Regulatory Guidance Letter No. 08-02, which can be found at:

<http://www.usace.army.mil/CECW/Documents/cecwo/reg/rgls/rgl08-02.pdf>

This verification is valid for a period of two years from the date of this letter, unless the nationwide permit is modified, reissued, or revoked. This verification will remain valid for two years from the date of this letter if the activity complies with the terms of any subsequent modifications of the nationwide permit authorization. If the nationwide permits are suspended, revoked, or modified in such a way that the activity would no longer comply with the terms and conditions of a nationwide permit, and the proposed activity has commenced, or is under contract to commence, the permittee shall have 12 months from the date of such action to complete the activity. All of the existing NWPs are scheduled to be modified, reissued, or revoked March 18, 2012. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are reissued.

Within 30 days of the completion of the activity authorized by this permit and any mitigation required by this permit, you are to sign and submit the attached compliance certification form to this office.

In order for us to better serve you, please complete our Customer Service Survey located at:

<http://www.nan.usace.army.mil/business/buslinks/regulat/index.php?survey>.

If any questions should arise concerning this matter, please contact Naomi Handell, of my staff, at (917) 790-8523.

Sincerely,



John R. Connell
Acting Chief
Eastern Permits Section



Leonard Jackson Associates Consulting Engineers

26 Firemens Memorial Drive . Pomona, New York 10970 . (845) 354-4382 . FAX (845) 354-4401

December 2, 2011

Regulatory Branch -Eastern Permits Section
NY District U.S. Army Corps of Engineers
26 Federal Plaza, Room 1937
New York, New York 10278

Att: Naomi Handell, Project Manager

Re: **Patrick Farm**
Permit Application Number NAN-2011-00851
by New York State Department of Transportation
Town of Ramapo, Rockland County
LJA #09051

Dear Ms. Handell:

Your November 28, 2011 letter to Mr. Donoghue referenced a July 20, 2011 submission from my office. That submission to you included a Culvert Sketch Plan dated 7/18/2011. We are writing to you to provide your office with the most current and accurate information available. Our July 20, 2011 submission to you proposed to parallel an existing culvert with a second or "sister" culvert. We believed that this was the appropriate design however the New York State Department of Environmental Conservation disagreed and instead required that we replace the existing culvert with a new larger culvert. Attached please find a 2 drawing set of plans dated 08/19/11 and 07/12/11 which are the latest plans for this culvert improvement as modified to meet the NYSDEC requirements. The attached plans are copies of the very plans currently under review by Mr. Donoghue's office. It was Mr. Donoghue's office that identified the requirement to perform this work. Please note that no additional permanent disturbance is associated with the revised plan and no wetlands are impacted by the revised plan. The length of the culvert is unchanged. Please retain this set of plans for your file.

Thank you for your assistance in this matter.

Very truly yours,

LEONARD JACKSON ASSOCIATES

Dennis Rocks, P.E., CFM

cc: Greg Fleisher

Attachment

P:\Word-Files\2009\09051\12-02-11_Handell.doc