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April 3, 2012

VIA E-MAIL AND HAND DELIVERY

Thomas S. Burack, Chairman
New Hampshire Site Evaluation Committee
29 Hazen Drive
P.O. Box 95
Concord, NH 03302-009
Attn: Jane Murray, Secretary

RE: *Granite State Gas Transmission Company, Inc. Motion for Declaratory Ruling*

Dear Ms. Murray:

On behalf of Granite State Transmission Co., Inc. ("GSGT"), we respectfully submit for filing with the New Hampshire Site Evaluation Committee an *original* and 20 copies of a Motion for Declaratory Ruling, which requests a determination that GSGT's proposed replacement of an existing interstate natural gas pipeline water crossing does not constitute a "sizeable addition" under RSA 162-H:5, I and, therefore, does not require full review and certification under RSA 162-H. Please note that the enclosed original document includes one set of full-size plans as Exhibit A. We would be happy to submit additional full-size sets upon request, as well as any other information deemed necessary by the Committee.

As noted in the Motion, because GSGT has certain deadlines under the construction schedule established by the Department of Transportation, we respectfully request expedited review and processing, if possible.

Thank you for your attention.

Sincerely,


Maureen D. Smith

Enclosures (Exhibits A and B)

cc: Gary Epler, Esq.
Michael J. Iacopino, Esq.

869367_1

THE STATE OF NEW HAMPSHIRE
SITE EVALUATION COMMITTEE

GRANITE STATE GAS TRANSMISSION CO., INC. MOTION FOR DECLARATORY RULING ON LITTLE BAY BRIDGE CROSSING REPLACEMENT PROJECT

NOW COMES Granite State Gas Transmission Co., Inc. (“the Applicant” or “GSGT”), by and through its attorneys, Orr & Reno, P.A., and pursuant to N.H. Admin. R. Site 203.01, respectfully requests that the New Hampshire Site Evaluation Committee (“Committee”) issue a declaratory ruling that the proposed replacement of a short segment of an existing interstate gas transmission line currently suspended below the Little Bay Bridge to an underground route across the Little Bay Channel (“Replacement Project”) does not constitute a “sizeable change or addition” to an existing energy facility within the meaning of RSA 162-H:5, I. As such, the Applicant respectfully requests that the Committee issue an Order that the Replacement Project does not require a Certificate of Site and Facility pursuant to RSA 162-H:5 or that it is otherwise exempt. Applicant also respectfully requests that the Committee issue such an Order in a timely manner to allow for commencement of construction by January 2013 under construction schedules established by the New Hampshire Department of Transportation (“NHDOT”). In support of this Motion, the Applicant states as follows:

A. Background of Applicant and Facility

GSGT is a New Hampshire corporation having its principal place of business in Portsmouth, New Hampshire. GSGT is owned by Unitil Service Corporation, which purchased GSGT in 2008. GSGT owns and operates natural gas transmission pipelines and is a “natural gas company” under the Natural Gas Act, subject to all regulations and orders issued by the Federal Energy Regulatory Commission (“FERC”). GSGT is also classified as a “public utility”

under New Hampshire law and owns and operates energy transmission pipelines that fall within the definition of “energy facility” under RSA 162-H:2, VII.

GSGT owns and operates a bidirectional 87 mile long high pressure (492 psig MAOP) interstate natural gas transmission pipeline that transports natural gas between Haverhill, MA and Portland, ME. In 1965, the Federal Power Commission (FPC), predecessor to FERC, issued a certificate of public convenience and necessity to GSGT authorizing construction and transport of natural gas through the pipeline in interstate commerce. *See* 34 F.P.C. 1295, 1965 WL 3741 (F.P.C.), November 15, 1965. In 1968, the FPC issued a certificate of public convenience and necessity to GSGT authorizing it to tie in approximately .34 mile of new 10-inch water crossing at Great Bay, between Newington and Dover, New Hampshire. *See* 40 F.P.C. 457, 1968 WL 4590 (F.P.C.), September 16, 1968. The tie-in consists of buried pipeline on either side of Little Bay with approximately 1500 ft. of above-ground, 10-inch pipeline suspended below the Little Bay Bridge (US Route 16/Spaulding Turnpike). This Motion relates to the federally authorized tie-in for the Little Bay crossing, to the extent that the tie-in must be realigned as a result of a NHDOT highway project.

As part of NHDOT’s Newington-Dover project #11238, NHDOT plans to dismantle the existing bridge from which the GSGT pipeline is suspended. Under NHDOT’s construction schedule, the bridge will be removed by the middle of next year. NHDOT has informed GSGT that the suspended portion of the existing 10-inch interstate transmission pipeline will need to be removed and relocated before mid-2013 to allow for removal of the existing bridge. NHDOT has directed GSGT not to relocate the pipeline onto the new bridge that NHDOT plans to construct as a replacement for the Little Bay Bridge.

GSGT has assessed alternative locations for realignment of the pipeline across Little Bay and has determined, in consultation with NHDOT and other regulatory agencies, that relocating this segment with a replacement 10-inch pipeline by way of horizontal directional drill (HDD) under the river is the safest and lowest impact replacement alternative. The estimated cost for the project is \$3,201,428. In order to accommodate NHDOT construction schedules, GSGT must commence construction by January 2013.

GSGT has FERC authorization for the Replacement Project by way of a “blanket certificate” of public convenience and necessity, under which GSGT is authorized by operation of law and FERC’s previous issuance of a blanket certificate to conduct certain routine activities like the pipeline rearrangement to be performed under the Replacement Project. *See* 21 FERC P 62238, 1982 WL 39567 (F.E.R.C.) (Docket No. CP82-515-000, November 16, 1982); 18 C.F.R. § 157.208 (2012). Even so, under the FERC authorization, GSGT must adhere to certain conditions, including report filings and compliance with applicable laws, such as environmental, fisheries and historic resources laws. *See* 18 C.F.R. § 157.206 (b) (2012).

GSGT has also received, with support from the New Hampshire Public Utilities Commission, FERC approval of certain mechanisms for review of project costs and rate adjustments sought by GSGT. *See* 136 FERC 61,153 (Docket No. RP10-896-002, August 31, 2011).

B. The Need for the Replacement Project

GSGT must complete construction and commence operation of the Replacement Project well before NHDOT removes Little Bay Bridge in order to avoid disruption of interstate natural gas supplies. After being informed by NHDOT that the transmission pipeline currently suspended from Little Bay Bridge would have to be removed and replaced, GSGT explored

alternative locations for the replacement pipeline, including suspension from the new bridge being constructed by NHDOT. NHDOT and GSGT determined that suspension of the pipeline from the new bridge was infeasible because visual inspection of the pipeline would be necessary to comply with federal safety laws. If the pipeline were suspended from the new bridge, construction of a catwalk would be necessary. However, NHDOT had security concerns and rejected the notion of adding a catwalk to the new bridge. The only alternative method of conducting visual inspections of a suspended pipeline would be to conduct them by boat while floating on the river. This was deemed infeasible due to current and wave action in the river. Thus, as a result of security and safety concerns, replacement of the pipeline could not be accomplished above ground.

After assessing several alternatives, GSGT consultants have recommended replacing the 1500 ft. pipeline segment suspended from Little Bay Bridge with one that travels under the river to connect the existing underground pipeline on either side of the river. Pipeline safety and integrity inspections would occur by way of mechanical and data-gathering equipment inside the pipeline. GSGT has worked with NHDOT and other state and federal agencies to discuss and further develop this alternative. GSGT has attended a number of NHDOT Monthly Natural Resource Agency Coordination meetings to discuss the proposal with federal and state agency representatives.

GSGT has advanced to a proposed design and location for the HDD under Little Bay to connect the Newington and Dover segments. The proposal is set forth in the Permitting Plans attached as Exhibit A. Because NHDOT's schedule requires dismantling of Little Bay bridge in mid-2013, GSGT must begin construction in January 2013 in order to avoid disruption of interstate gas transmission services.

C. Description of Replacement Project

The proposed HDD would involve drilling a small diameter path approximately 30 feet below the bed of Little Bay in the Piscataqua River to accommodate installation of approximately 2,500 linear foot underground 10-inch steel natural gas pipeline. Details of the proposed location and layout of the HDD is shown on in Exhibit A. Both existing and replacement pipelines are 10-inch diameter steel pipeline. Thus, there would be no change in pipeline diameter and no change in capacity. Some additional pipeline length would be needed to accommodate depth beneath the river and necessary tie-in to existing pipeline on either side of Little Bay. Additional upgrades to materials and coatings for compliance with updated pipeline safety standards may also be necessary.

The HDD would run parallel to Little Bay Bridge and would enter and exit on state-owned property administered by NHDOT. The Dover tie-in would occur within Hilton Park. GSGT has begun working with NHDOT, the Attorney General's Office and the Office of Energy and Planning to obtain necessary property rights for the Replacement Project.

Temporary excavation pits and temporary staging and handling areas for pipe handling equipment, pipe fabrication and roller stands would be necessary. A small area for inspection equipment valves may be included in the project. No water discharges are anticipated during or after construction. Any excavated material would be used to backfill the pits and each area would be restored to pre-existing conditions.

Unlike other phases of the NHDOT Spaulding Turnpike project, where NHDOT directs site activities, GSGT would conduct the HDD construction activities and handle new connections to the existing pipeline, in coordination with NHDOT. Thus, GSGT would submit

applications for appropriate permits and approvals from federal, state and local authorities before commencement of construction. Because the HDD would be constructed within bedrock approximately 30 feet below the bed of the Little Bay/Piscataqua River, there would be no disturbance to navigation or to public use of the river. Nonetheless, GSGT plans to obtain applicable navigational approvals from the U.S. Army Corps of Engineers and plans to notify the U.S. Coast Guard before construction commences.

D. Other Regulatory Permits and Compliance

GSGT believes that this Committee's review of the Replacement Project would be duplicative of previous and ongoing regulatory review processes conducted by other federal, state and local agencies. GSGT has confirmed that FERC authorization to construct the Replacement Project under section 7 of the Natural Gas Act and the previously issued blanket certificate is in place. FERC has approved, with support from NHPUC, mechanisms for review of project costs incurred and rate adjustments sought by GSGT. While GSGT believes that it would be appropriate for the Committee to defer to FERC jurisdiction with regard to construction of the Replacement Project, and GSGT reserves the right to assert federal preemption in any future proceedings, GSGT describes below the range of regulatory reviews to allow the Committee to assess whether Committee jurisdiction exists under "sizeable addition" review authority.

GSGT has reviewed the applicability of environmental, land use, state utility and other permitting requirements associated with the Replacement Project. GSGT has discussed applicable requirements with local, state and federal agencies and with the New Hampshire Attorney General's Office. Due to the limited and temporary nature of above-ground construction activities and the lack of aesthetic impacts, the number of environmental permits for

the project will be limited. Because state properties and submerged lands are implicated, GSGT will be required to acquire certain property interests from the state. To the extent that rights, permits and approvals are needed, GSGT has concluded that they can be obtained well before commencement of construction in January 2013. This assessment is based, in part, upon discussions with federal, state and local agencies with jurisdiction over lands and interests affected by the Replacement Project.

The Replacement Project is being designed and developed to comport with all federal, state and local standards and best management practices. GSGT has every intention of remaining in full compliance throughout all phases of the project. A brief summary of key regulatory reviews currently in process is as follows:

1. New Hampshire Public Utilities Commission: GSGT has confirmed that the Replacement Project will require a water crossing license from the NHPUC under RSA 371:17. As part of the NHPUC review process, a public hearing would be conducted (unless waived), the Attorney General would be notified, and the NHPUC would have to determine that the license may be exercised without substantially affecting public rights in state waters and lands. As part of the NHPUC licensing review, compliance with all federal and state gas pipeline safety standards would be assessed. GSGT plans to submit a licensing petition in the near future.

2. Long Range Capital Planning and Utilization Committee: The Attorney General's Office has notified GSGT that the process established under RSA 4:40 for granting property interests in state lands must be followed. *See* Exhibit B. RSA 4:40 requires, after agency recommendation, review and approval by the Long Range Capital Planning and Utilization Committee before submission to the governor and council for approval. The New Hampshire Council on Resources and Development must initiate and advise on the process.

GSGT has initiated discussions with the Office of Energy and Planning on necessary applications for approval.

3. U.S. Environmental Protection Agency: GSGT has confirmed that the Project will not trigger federal review under the National Pollutant Discharge Elimination System (NPDES) program. The area of disturbance is less than the threshold for NPDES construction general permitting for storm water discharges. In addition, there will be no point source discharges that would trigger NPDES permitting for dewatering or other purposes. If it is determined that a discharge would occur, authorization would be obtained under the construction general permit through submission of a Notice of Intent to the EPA Region I water program. GSGT intends to implement Best Management Practices for storm water regardless of the need for storm water permits.

4. U.S. Army Corps of Engineers: GSGT has confirmed that federal approval of any unavoidable dredge and fill activities within jurisdictional wetlands and any potential navigational impacts would occur by way of coverage under the U.S. Army Corps of Engineers' Programmatic General Permit (PGP). State water quality certification and compliance with Coastal Zone Management/federal consistency review, Section 106 Historic Preservation, Endangered Species Act, fisheries/wildlife impacts and other criteria referenced in the PGP would also occur through the Corps review process or in conjunction with the state wetlands permit described below.

5. New Hampshire Department of Environmental Services: GSGT has confirmed with Department officials that a minimum impact wetlands permit would be required for the Replacement Project, as excavation would occur in previously disturbed Tidal Buffer Zone. GSGT has already submitted wetlands permit applications to Newington and Dover

Conservation Commissions, both of which have signed or otherwise approved the applications. GSGT will be submitting the wetlands applications to the state in the near future. GSGT intends to submit a Shoreland Permit by Notification. While GSGT has determined as a preliminary matter that it does not require Alteration of Terrain permit because the project will not disturb more than fifty thousand (50, 000) square feet, it will confirm the area of disturbance well before commencement of construction. GSGT is preparing to submit an Application for Section 401 Water Quality Certification.

6. Local Ordinances and Regulations: GSGT will comply with all applicable land use ordinances before commencing construction. Local conservation commissions have already reviewed the project and the Newington Conservation Commission has requested that an archaeologist be present during excavation activities.

7. Historic Preservation: GSGT is required to comply with the National Historic Preservation Act, as well as environmental, fisheries and other laws, as part of its obligations under FERC's blanket certificate. *See* 18 C.F.R. § 157.206(b). The New Hampshire Division of Historic Resources has commented on the project and GSGT is in the process of addressing the comments.

E. Committee's Authority for Declaratory Ruling

GSGT seeks a declaratory ruling that the Committee does not have jurisdiction over the Replacement Project because it does not constitute a "sizeable change or addition" to an existing facility that would require a certificate of site and facility under RSA 162-H:5, I ("No person shall commence to construct any energy facility within the state unless it has obtained a certificate pursuant to this chapter [and] such certificates are required for sizeable changes or additions to existing facilities"). The Administrative Procedures Act and the Committee's rules

allow for such a ruling. See RSA 541-A:1, V (“declaratory ruling” means an agency ruling as to the specific applicability of any statutory provision or of any rule or order of the agency; RSA 541-A:16, I(d) (requiring each agency to “[a]dopt rules relating to the filing of petitions for declaratory rulings and their prompt disposition”); and N.H. Admin. R. Site 203.01 (allowing for submission of motions for declaratory ruling). The Committee must rule on the motion within 90 days of submittal. See N.H. Admin. R. Site 203.02(b).

Because the transmission pipeline is an existing “energy facility,” as that term is defined in RSA 162-H:2, VII (term includes “energy transmission pipelines that are not considered part of a local distribution network”), a certificate would only be required for a “sizeable change or addition.” RSA 162-H:5, I. Assuming that the Committee is not preempted by the existing FERC approvals, GSGT believes that the Replacement Project is not a sizeable change or addition to the existing energy facility because it is simply a like-kind replacement of a short above-ground segment of pipeline with a below-ground segment of comparable dimension and location.

F. Basis for Determination that the Project is Not a Sizeable Addition

The Committee has previously determined that a number of proposed energy facility projects did not constitute “sizeable additions” that require review and certification under RSA 162-H. However, it has also stated that its “sizeable addition” determinations are fact specific and that determinations for any one project should not be relied upon as precedent for future projects. See *Order Denying Motion for Declaratory Ruling Re Motion of Campaign for Ratepayer Rights, et al.*, NHSEC Docket No. 2009-01 (August 10, 2009) (hereinafter “Order”), at 14. Nonetheless, the factors considered by the Committee in the Order provide useful

guidelines for the Committee to assess whether the Replacement Project would fall within the purview of the certificating statute.

For example, in its determination that a turbine replacement in PSNH's Merrimack Station did not constitute a sizeable addition, the Committee noted that "the new turbine simply replaces the pre-existing turbine and is of similar size and located almost precisely in the same place as the pre-existing turbine. The increased output capacity of the plant from the new turbine is marginal." Order at 15. Also, in assessing whether the PSNH Scrubber Project was a sizeable addition, the Committee noted that it "is not sizeable when considered in proportion to the existing heavy industrial facility," Order at 12, "will not increase electrical production at Merrimack Station," Order at 10, and "the facilities associated with the Scrubber Project will be positioned as close as possible to the existing generation plant." Although the New Hampshire Supreme Court vacated the Committee's Order on grounds that the movants lacked standing and the court lacked subject matter jurisdiction, *see Appeal of Campaign for Ratepayers' Rights*, Slip Op., 2 (July 21, 2011), the factors and conclusion reached by the Committee apply equally here.

The scope and size of the Replacement Project is insignificant when considered in proportion to existing pipeline facility, which spans 87 miles and the entire length of the New Hampshire coast. GSGT would simply rearrange one river crossing measuring 1500 feet in the same areas as the existing crossing. GSGT would substitute an under-ground segment using an identical 10-inch steel pipeline for purposes of supplying the same volume of product through the interstate pipeline. There would be no increase in the size of the pipeline or in transmission capacity. Any additional length in pipeline needed to locate the pipeline under, rather than over, the river would be marginal. The replacement segment would be positioned as closely as

possible to the existing pipeline route for purposes of connecting to the existing underground pipeline on either side of the river.

In addition, the estimated capital cost of little more than \$3 million for the Replacement Project is relatively insignificant and, under FERC rules, is considered routine and covered by a blanket certificate. This is in contrast to the estimated \$450 million capital cost that was to be incurred for the Scrubber Project, which was not deemed to be a sizeable addition.

In addition, when considering the purposes of RSA 162-H and the factors in RSA 162-H:16 that inform the issuance of certificates by the Committee, the Replacement Project is not a sizeable addition. With regard to whether the applicant has adequate financial, technical and managerial capability under RSA 162-H:16, IV, GSGT is a public utility whose rates are set by FERC. The mechanisms for FERC review and approval of rate adjustments sought by GSGT to potentially recover costs associated with the Replacement Project have already been approved.

With regard to whether the project will unduly interfere with the orderly development of the region or have an unreasonable adverse effect on aesthetics, historic sites, air and water quality, the natural environment or public health and safety under RSA 162-H:IV(a), the Replacement Project will not change how the existing land is being used and will not involve water or air emissions. The replacement pipeline will not be visible to members of the public, as it will consist of sub-grade pipeline. Relocating the crossing under rather than over the river would minimize developmental, environmental and aesthetic impacts. In addition, the project is consistent with state energy policy, RSA 162-H:16, IV(d), as it would ensure continued and uninterrupted operation of an interstate gas transmission pipeline that has been in place for more than 30 years, while at the same time allowing for safety and inspection-related upgrades that advance public health and safety.

Any archeological concerns raised by excavation and drilling activities will be addressed through local, state and federal review and permitting processes, as will any localized wetlands, coastal or fisheries issues. Safety issues will be addressed through the NHPUC water crossing licensing process, which incorporates review of both federal and state gas pipeline safety standards. All property rights, utility, environmental, safety and public use issues will be addressed by various agencies with jurisdiction over those issues. Because review and approval by executive and legislative committees, as well as governor and council, is anticipated, simultaneous Committee review of any of these issues would be duplicative and unnecessary.

The Committee has determined in a number of instances that modifications to energy facilities do not constitute sizeable additions and the same conclusion is appropriate here. GSGT has no choice but to remove and replace in kind the existing Little Bay Bridge pipeline crossing due to the NHDOT roadway project. The Committee should declare that the Replacement Project does not constitute a sizeable change or addition to the existing gas transmission pipeline and should decline to assert jurisdiction over the project.

In the event that the Committee denies this Motion because it deems the Replacement Project to be a sizeable addition, then the Committee should review this filing as if it were a request for exemption under RSA 162-H:4, IV and proceed to grant an exemption under the criteria established in that subsection.

G. Requests for Relief

WHEREFORE, GSGT respectfully requests that the New Hampshire Site Evaluation Committee:

A. Grant this Motion by issuing a declaratory ruling that the Replacement Project is not a “sizeable change or addition” within the meaning of RSA 162-H, I and does not require a certificate of siting and facility under RSA 162-H; or

B. If the Replacement Project is deemed to be a “sizeable addition,” then treat this Motion as a request for exemption under RSA 162-H:4, IV and proceed towards granting the exemption; and

C. Grant such other relief deemed just and reasonable.

Respectfully submitted,

Granite State Gas Transmission Co., Inc.

By Its Attorneys,



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Orr & Reno, P.A.

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Email: msmith@orr-reno.com

Dated: *April 3, 2012*

Gary Epler, NH Bar # 15271

Chief Regulatory Counsel

Unitil Service Corp

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Hampton, NH 03842-1720

Telephone: (603) 773-6440

Email: Epler@unitil.com

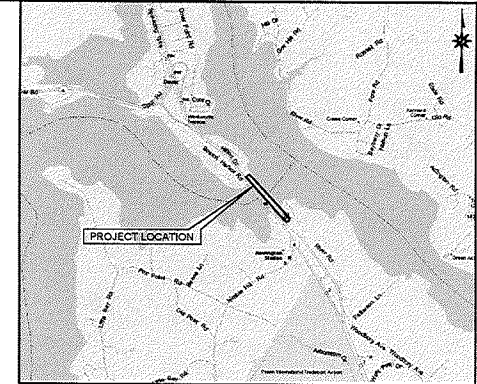
Enclosures (Exhibits A and B)



LOCATION MAP
N.T.S.

PERMITTING PLANS FOR SUBMISSION TO REGULATORY AGENCIES

UNITIL HORIZONTAL DRILL
AT LITTLE BAY BRIDGE
US ROUTE 4/NH ROUTE 16 (SPAULDING TURNPIKE)
NEWINGTON AND DOVER, NEW HAMPSHIRE



VICINITY MAP
N.T.S.

EXHIBIT A

Granite State Gas Transmission
Company, Inc.

PREPARED FOR:

PROCESS PIPELINE SERVICES, INC.
1600 PROVIDENCE HIGHWAY, SUITE 124
WALPOLE, MASSACHUSETTS 02081

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL SITE AND BUILDING CONDITIONS IN THE FIELD AND CONTACT THE SITE ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS.
2. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
3. THE CONTRACTOR SHALL ABIDE BY ALL OSHA FEDERAL STATE AND LOCAL REGULATIONS WHEN OPERATING GRADERS, BOMBS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL PROVIDE SECOND DRAWINGS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
5. THE ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND OWNER HAVE NO CONTRACTUAL DUTY TO CONTROL THE SAFEST METHODS OR MEANS OF THE WORK, JOB SITE RESPONSIBILITIES, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
6. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL RECORD MAPS AND FOR FIELD SURVEY AND IS NOT GUARANTEED COMPLETE OR CORRECT. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATION AND DEPTH OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT D&S SAFE SYSTEM, INC.'S 72 HOURS BEFORE COMMENCEMENT OF WORK AT (603)344-7233 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
7. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN OVER SCALED DIMENSIONS.
8. IF PLANS AND OR SPECIFICATIONS ARE IN CONFLICT, THE MOST COSTLY SHALL APPLY.
9. ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN COMPLETE DRAWING PLAN SETS FOR RECORD AND CONSTRUCTION. PLAN SETS SHALL NOT BE DISASSEMBLED INTO PANEL PLAN SETS FOR USE BY CONTRACTORS AND SUBCONTRACTORS OF INDIVIDUAL TRADES. IT SHALL BE THE CONTRACTORS AND SUBCONTRACTORS RESPONSIBILITY TO OBTAIN COMPLETE PLAN SETS FOR USE IN RECORD AND CONSTRUCTION.
10. ALL NOTES AND DIMENSIONS DESIGNATED TYPICAL APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
11. CONTRACTORS TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
12. THE CLIENT WILL PREPARE FINAL CONSTRUCTION DOCUMENTS SUITABLE FOR RECORD AND CONSTRUCTION. PROGRESS SETS OF THESE DOCUMENTS ARE NOT SUITABLE FOR THESE PURPOSES. IF CLIENT ELECTS TO SOURCE BIDS OR ENTER INTO CONSTRUCTION CONTRACTS UTILIZING CONSTRUCTION DOCUMENTS THAT ARE NOT YET FINAL, CONSULTANT SHALL NOT BE RESPONSIBLE FOR ANY COSTS OR DELAY ARISING AS A RESULT.
13. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. NO CONSTRUCTION OR DEMOLITION SHALL BEEN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

PREPARED BY:



ARCHITECTURE ENGINEERING PLANNING LANDSCAPE ARCHITECTURE
LAND SURVEYING ENVIRONMENTAL SCIENCES

355 RESEARCH PARKWAY
MERIDEN, CONNECTICUT 06450
(203) 630-1406
(203) 630-2615 Fax

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

CONTENTS

	TITLE SHEET
EX-1 (1 OF 4)	EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY
EX-1 (2 OF 4)	EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY
EX-1 (3 OF 4)	EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY
EX-1 (4 OF 4)	EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY
GN-1	GENERAL NOTES
SP-1 (1 OF 2)	PERMITTING CONSTRUCTION PLAN (NEWINGTON)
SP-1 (2 OF 2)	PERMITTING CONSTRUCTION PLAN (DOVER)
PP-1	PLAN AND PROFILE LINE A
PP-2	PLAN AND PROFILE LINE A
PP-3	PLAN AND PROFILE LINE A
PP-4	PLAN AND PROFILE LINE A
PP-5	PLAN AND PROFILE LINE B
PP-6	PLAN AND PROFILE LINE C
DN-1	DETAILS

SUBCONSULTANTS:

NOBIS ENGINEERING, INC

CLIENT:
PROCESS PIPELINE SERVICES, INC
1600 PROVIDENCE HIGHWAY, SUITE 124
WALPOLE, MA 02081
(781) 828-0524

OWNER:
STATE OF NEW HAMPSHIRE
NEW HAMPSHIRE DOT
7 HAZEN DRIVE
CONCORD, NH 03301
(603) 271-3724

DATES

ISSUE DATE: NOVEMBER 11, 2011
REVISION: March 30, 2012

CAD FILE: CV11C38601
382(15) 30020028
THESE DOCUMENTS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES



355 Research Parkway
Manchester, NH 03102
(603) 633-4466
(603) 633-0215 Fax

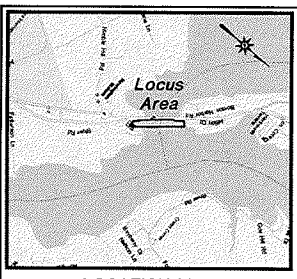
PROPOSED RELOCATED UNTIL GAS PIPELINE
NEWINGTON - DOVER
US ROUTE 4, NH ROUTE 16, AND SPAULDING TURNPIKE
OVER LITTLE BAY
TOWNS OF NEWINGTON & DOVER, STATE OF NEW HAMPSHIRE

REVISIONS
Date: _____
By: _____
Checked: J.M. Chesee
Approved: M.C. Seale
Project No: 11C3850
Date: 06/13/2011
Field Book: 455
CAD File: 11C3850001

EXISTING CONDITIONS & TOPOGRAPHIC SURVEY

Sheet No. 1 of 4

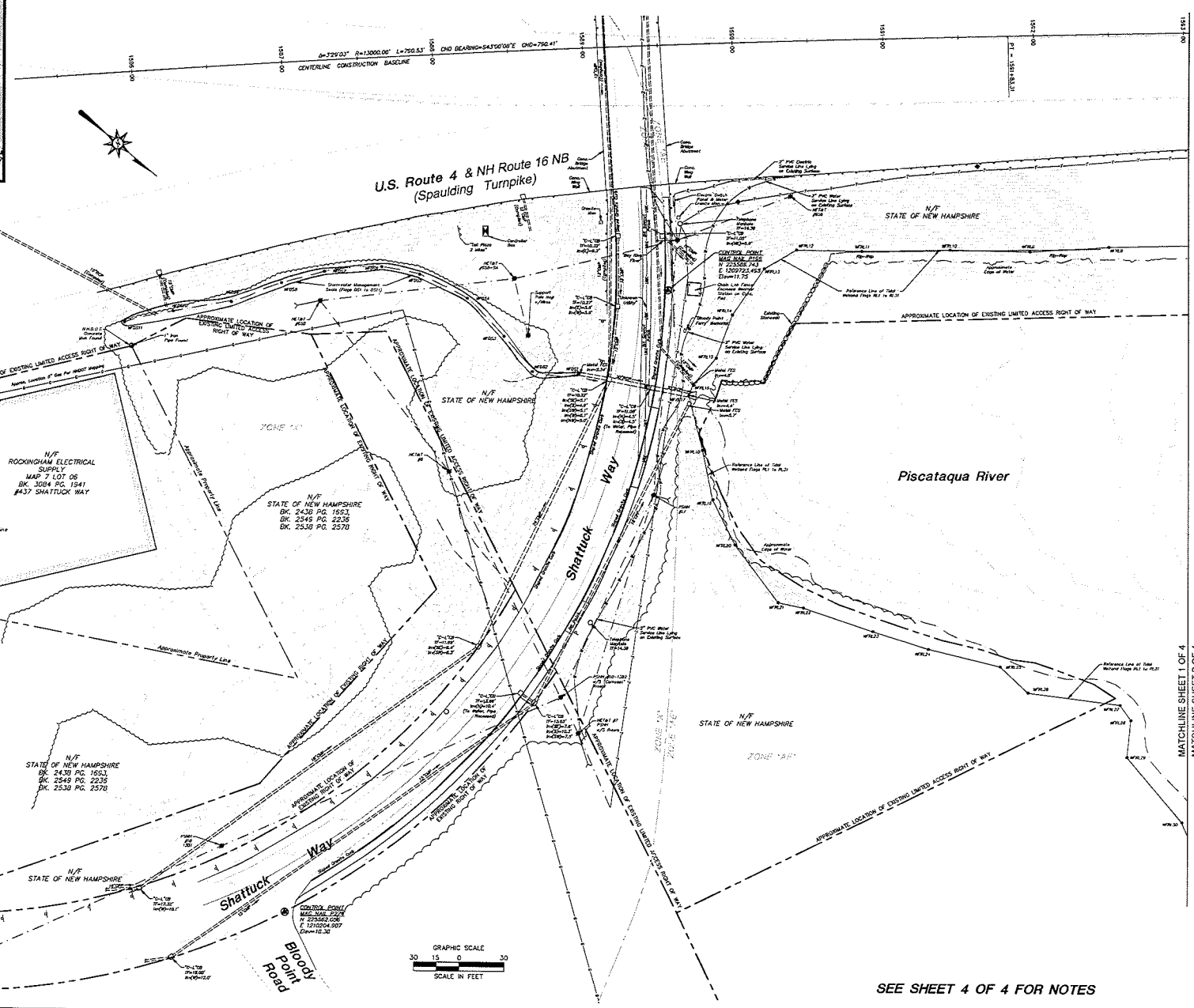
EX-1



LOCATION MAP
NOT TO SCALE

LEGEND

- Approximate R/W / Property Line
- Edge of water
- Limit of Wetlands
- Treadline
- Drainage
- Major Contour
- Minor Contour
- Stone Wall
- Masonry Wall
- Gravel Pile
- Fence
- Overhead Water
- Underground Electric Line
- Gas Line
- Sanitary Sewer
- Storm Sewer
- Underground Cable Television Line
- Underground Telecommunications Line
- Fiber Optic Telecommunications Line
- Level 3 (Civil Defense) Telecommunications Line
- Underground Traffic Signal Cable
- Water Line
- Underground Utility - Type Unknown
- Utility Line Continues
- Utility Line Ends
- Handicap
- Electric Meter
- Utility Pole
- Utility Pole w/ Light
- City Tree
- Light Pole
- Ballast Light
- Fluor Light
- Gas Valve
- Catch Basin
- Double Type 1 Catch Basin
- Double Type 2 Catch Basin
- Manhole
- Spill Pile
- Fire Hydrant
- Water Valve
- Water Meter
- Motor Well
- Sign
- Barbed
- Deciduous Tree
- Coniferous Tree



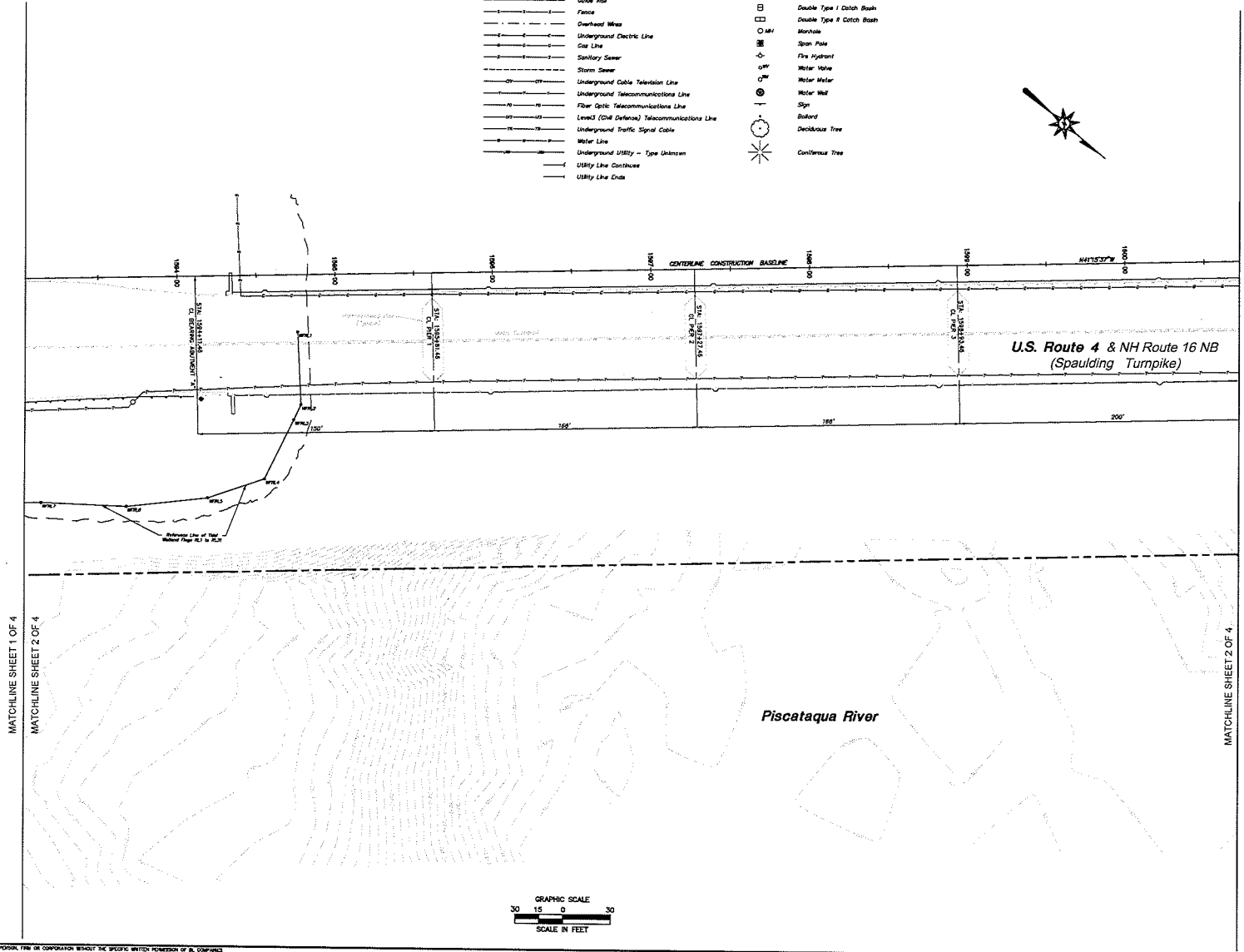
SEE SHEET 4 OF 4 FOR NOTES

Map No. 11C3850-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 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998, 999, 1000.

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LEGEND

	Approximate ROW / Property Line		Manhole
	Edge of Water		Electric Meter
	Limit of Wetlands		Utility Pole
	Treshline		Utility Pole w/ Light
	Brushline		Guy Wire
	Major Contour		Light Pole
	Minor Contour		Ballast Light
	Stone Wall		Flood Light
	Retaining Wall		Gas Valve
	Guide Post		Catch Basin
	Fence		Double Type I Catch Basin
	Overhead Wire		Double Type II Catch Basin
	Underground Electric Line		Manhole
	Gas Line		Sign Pole
	Sanitary Sewer		Fire Hydrant
	Storm Sewer		Water Valve
	Underground Cable Television Line		Water Meter
	Underground Telecommunications Line		Water Well
	Fiber Optic Telecommunications Line		Sign
	Level 3 (Civil Defense) Telecommunications Line		Bollard
	Underground Traffic Signal Cable		Deciduous Tree
	Water Line		Coniferous Tree
	Underground Utility - Type Unknown		
	Utility Line Continues		
	Utility Line Ends		



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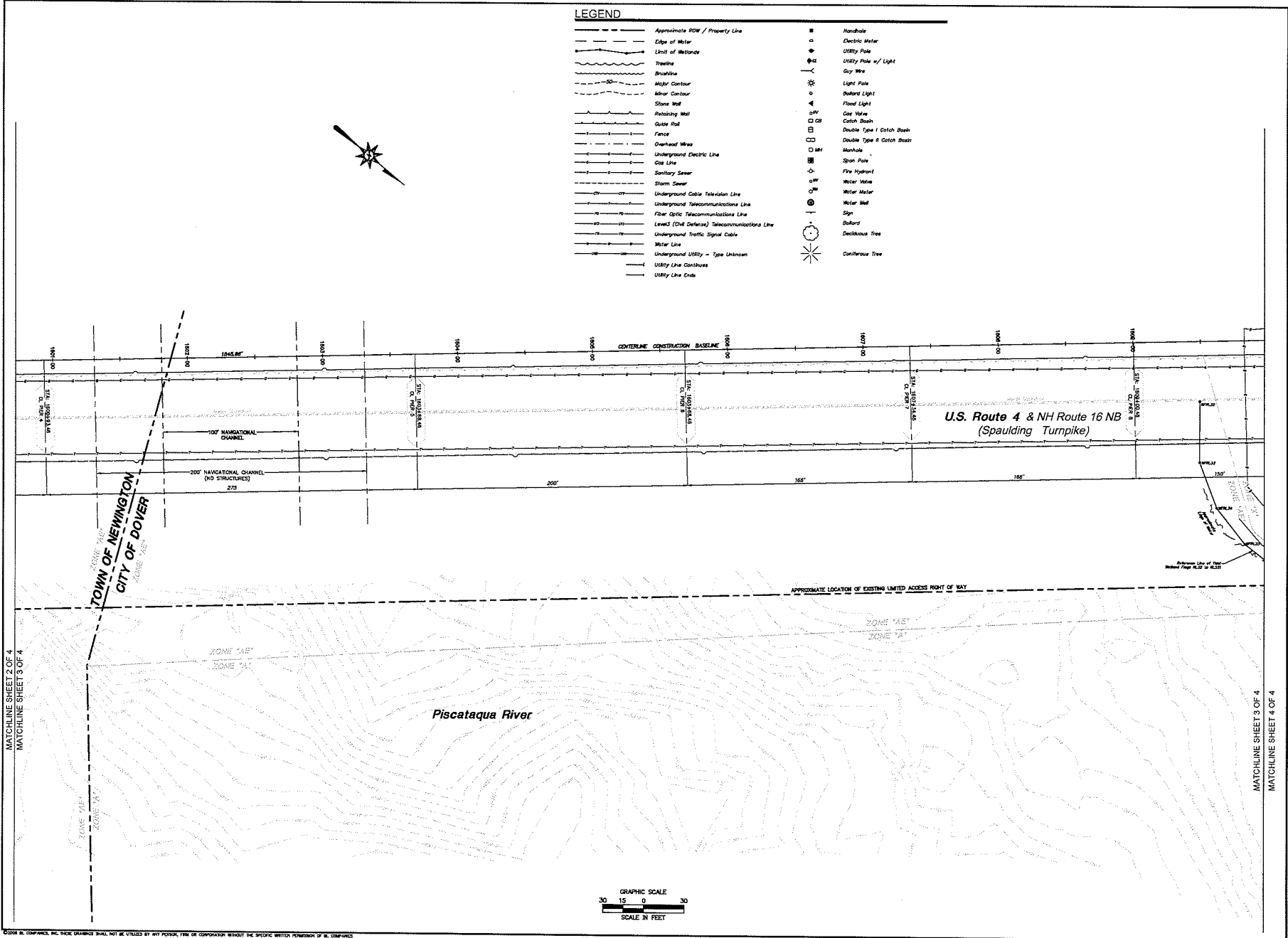
PROPOSED RELOCATED UNITIL GAS PIPELINE
 NEWINGTON - DOVER
 US ROUTE 4, NH ROUTE 16, AND SPAULDING TURNPIKE
 OVER LITTLE BAY
 TOWNS OF NEWINGTON & DOVER, STATE OF NEW HAMPSHIRE

Des. Checked Drawn Approved Scale Project No. Date Field Book	Date: BY: SURVEYED D.A.S./R.H.R./J.P. D.A.S. J.M. M.C. 1" = 50' 11028609 08/12/2011 455
CAD File: EXT10268001	
Title: EXISTING CONDITIONS & TOPOGRAPHIC SURVEY	
Sheet No. 2 of 4	

EX-1

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10/20/11 10:51 AM \\s:\projects\111336000\111336000.dwg
 User: J. R. H.



LEGEND			
—	Approximate ROW / Property Line	■	Manhole
—	Edge of Water	○	Electric Meter
—	Limit of Wetlands	◆	Utility Pole
—	Traverse	⊕	Utility Pole w/ Light
—	Brushline	—	Guy Wire
—	Major Contour	⊛	Light Pole
—	Minor Contour	⊙	Ballast Light
—	Stone Wall	⊠	Flood Light
—	Retaining Wall	⊞	Gas Valve
—	Gate Post	⊞	Catch Basin
—	Fence	⊞	Double Type I Catch Basin
—	Overhead Wire	⊞	Double Type II Catch Basin
—	Underground Electric Line	⊞	Manhole
—	Gas Line	⊞	Spot Pole
—	Sanitary Sewer	⊞	Fire Hydrant
—	Storm Sewer	⊞	Water Valve
—	Underground Cable Television Line	⊞	Water Meter
—	Underground Telecommunications Line	⊞	Water Well
—	Fiber Optic Telecommunications Line	⊞	Sign
—	Level I (Civil Defense) Telecommunications Line	⊞	Ballard
—	Underground Traffic Signal Cable	⊞	Deciduous Tree
—	Water Line	⊞	Coniferous Tree
—	Underground Utility - Type Unknown		
—	Utility Line Continues		
—	Utility Line Ends		



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 (603) 524-4400
 (203) 552-2015 Fax

PROPOSED RELOCATED UNTIL GAS PIPELINE
 NEWINGTON - DOVER
 US ROUTE 4, NH ROUTE 16, AND SPAULDING TURNPIKE
 COVER LITTLE BAY
 TOWNS OF NEWINGTON & DOVER, STATE OF NEW HAMPSHIRE

REVISIONS
 No. Description Date
 1
 Surveyed D.A.S./R.H.R./J.P.P.
 Drawn D.A.S.
 Checked J.M.
 Approved M.C.
 Scale 1"=50'
 Project No. 11C3660
 Date 09/13/2011
 Field Book 455
 CAD File: EX11C366001

Title
 EXISTING
 CONDITIONS &
 TOPOGRAPHIC
 SURVEY
 Sheet No. 3 of 4

SHEET NO. 3 OF 4
 EX-1

LEGEND

- Approximate ROW / Property Line
- Edge of Water
- Limit of Wetlands
- Baseline
- Brushline
- Major Contour
- Minor Contour
- Stone Wall
- Rising Wall
- Grade Rail
- Fence
- Overhead Wire
- Underground Electric Line
- Gas Line
- Sewer Line
- Steam Sewer
- Underground Cable Television Line
- Underground Telecommunications Line
- Fiber Optic Telecommunications Line
- Level 2 (Civil Defense) Telecommunications Line
- Underground Traffic Signal Cable
- Water Line
- Underground Utility - Type Unknown
- Utility Line Continues
- Utility Line Ends

- Handhole
- Electric Meter
- Utility Pole / Light
- Day Sign
- Light Pole
- Bollard Light
- Flood Light
- Gar Valve
- Catch Basin
- Double Type I Catch Basin
- Double Type II Catch Basin
- Manhole
- Spot Pole
- Pole Hydrant
- Water Meter
- Water Meter
- Water Well
- Sign
- Bollard
- Decorative Tree
- Coniferous Tree

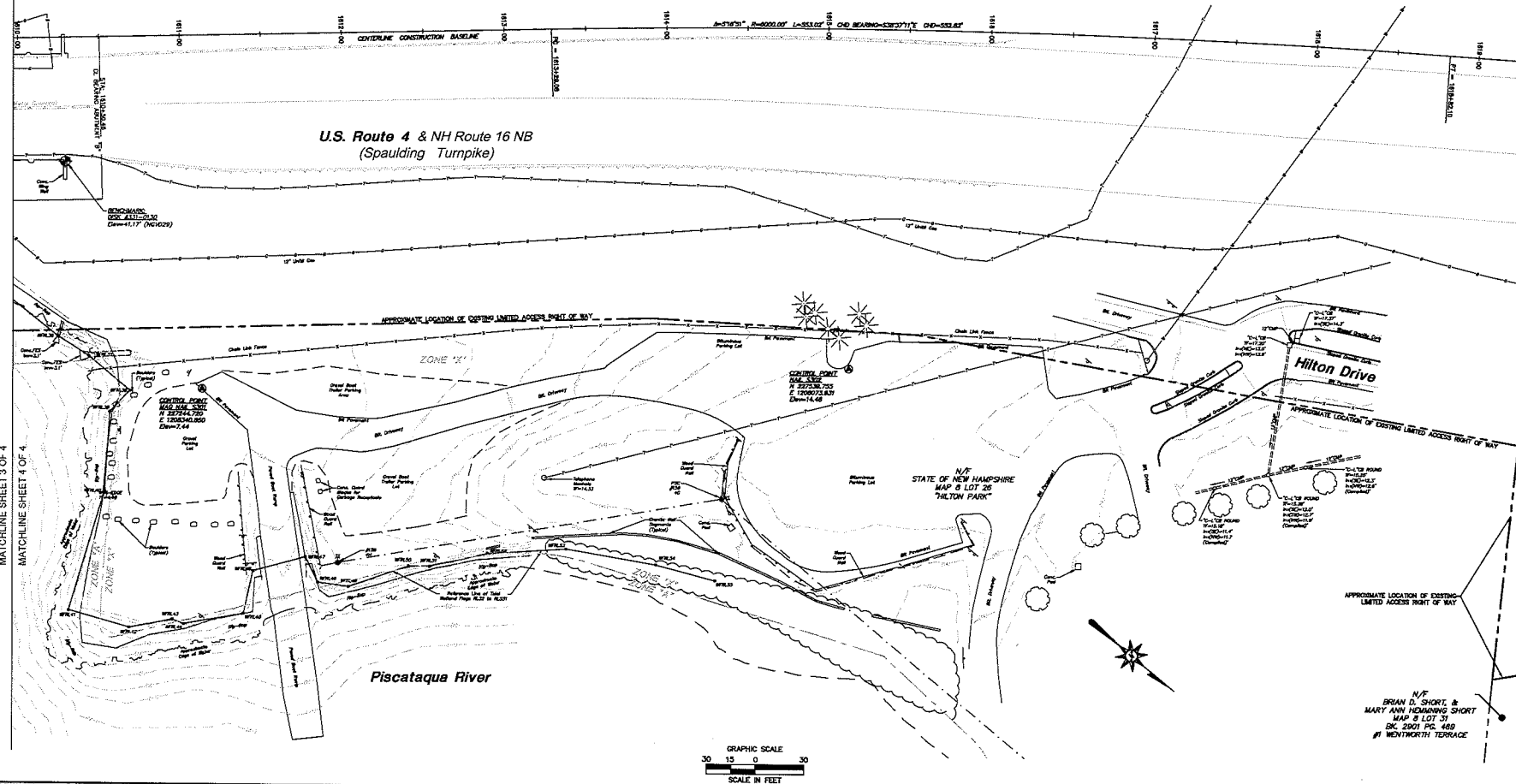
UTILITY SERVICE PROVIDER CONTACT LIST

(As Depicted on Map Reference 3D)

INVOLVED UTILITY OWNERS		
<p>NEW HAMPSHIRE ELECTRIC SYSTEMS INC. 2000 North Main Street Concord, NH 03301 Phone: 603-271-2200 Fax: 603-271-2201 E-mail: nhes@nhes.com</p>	<p>VERMONT ELECTRIC POWER CO. 100 North Main Street Waterbury, VT 05671 Phone: 802-244-2100 Fax: 802-244-2101 E-mail: info@vermontelectric.com</p>	<p>AMERICAN ELECTRIC POWER CO. 200 North Main Street Concord, NH 03301 Phone: 603-271-2200 Fax: 603-271-2201 E-mail: nhes@nhes.com</p>

GENERAL NOTES

1. THESE NOTES AND DRAWINGS ARE BASED ON BEST AVAILABLE DATA AND FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO CONSTRUCTION.



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PROPOSED RELOCATED UNITIL GAS PIPELINE
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 US ROUTE 4, NH ROUTE 16, AND SPAULDING TURNPIKE
 OVER LITTLE BAY
 TOWNS OF NEWINGTON & DOVER, STATE OF NEW HAMPSHIRE

REVISIONS

No.	Date	Desc.

Surveyed: D.A.S./R.H./J.P.
 Drawn: D.A.S.
 Checked: J.M.
 Approved: M.C.
 Scale: 1"=30'
 Project No.: 11C2660
 Date: 09/12/2011
 Field Book: 435
 CAD File: D:\11C2660\01
 Title:
 EXISTING CONDITIONS & TOPOGRAPHIC SURVEY
 Sheet No. 4 of 4

EX-1



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 (603) 655-2515 Fax

UNITIL HORIZONTAL DRILL
 AT LITTLE BAY BRIDGE
 NEWINGTON-DOVER, NEW HAMPSHIRE

Revisions:
 No. Date
 1 03/19/09 Issue for Permit Submittal

Designed By: B.S.S.
 Checked By: B.S.S.
 Approved Scale: 1"=30'
 Project No.: 1102860
 Date: 11/11/11
 CAD File: SPHCS6601

THE PERMITTING CONSTRUCTION PLAN (NEWINGTON)
 Sheet No. SP-1 (1 OF 2)

NOTE:

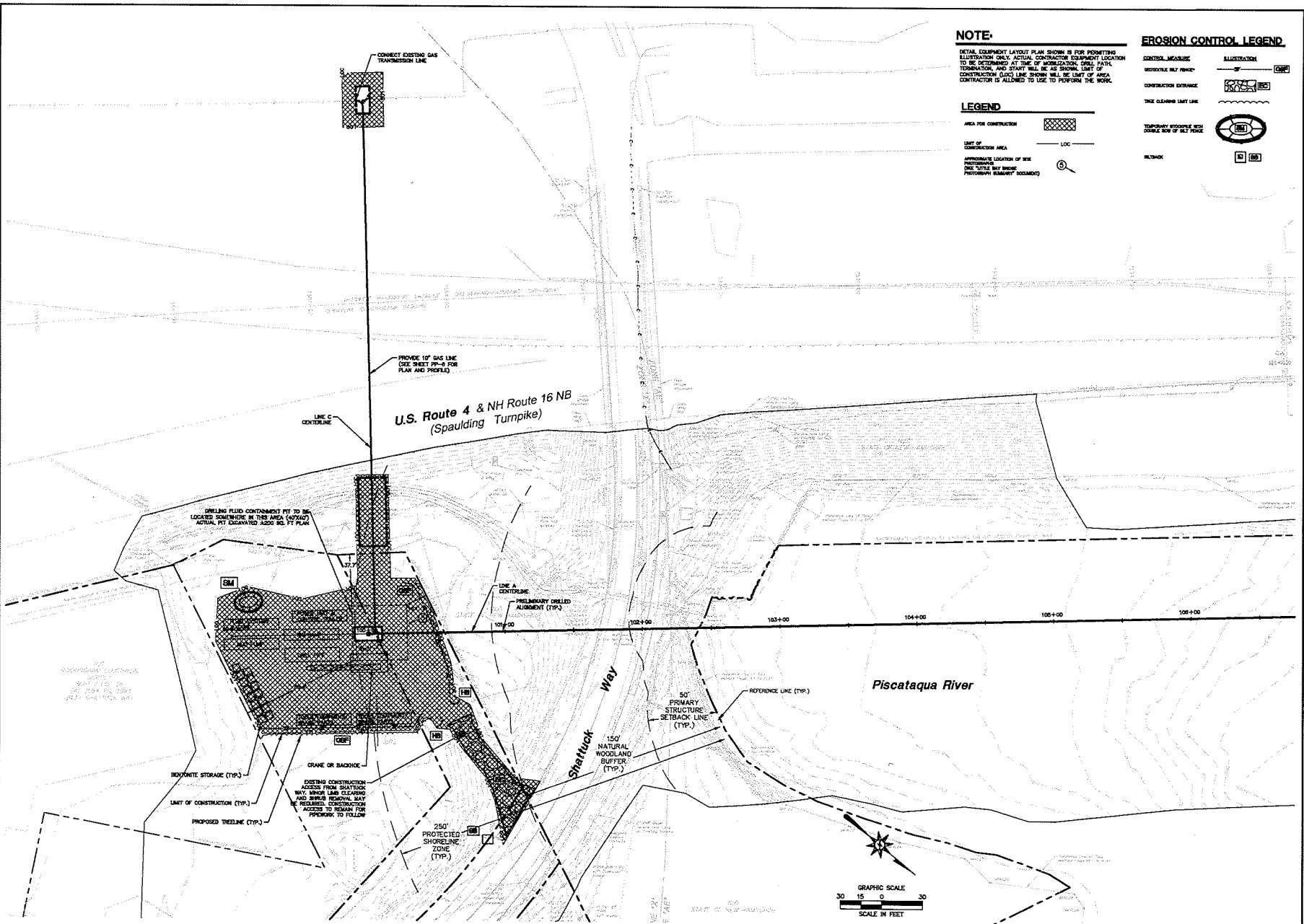
NETAL EQUIPMENT LAYOUT PLAN SHOWN IS FOR PERMITTING ILLUSTRATION ONLY. ACTUAL CONTRACTOR EQUIPMENT LOCATION TO BE DETERMINED AT TIME OF OPERATIONAL DRILL. POINTS OF TERMINATION AND START WILL BE AS SHOWN. LIMIT OF CONSTRUCTION (LOC) LINE SHOWN WILL BE LIMIT OF AREA CONTRACTOR IS ALLOWED TO USE TO PERFORM THE WORK.

LEGEND

- AREA FOR CONSTRUCTION [Hatched Box]
- LIMIT OF CONSTRUCTION AREA [Dashed Line]
- APPROXIMATE LOCATION OF BISE PROVISIONS [Circle with 'S']
- ONE TITTLE BAY BRIDGE PHOTOGRAPHIC ELEMENT (SCENARIO) [Circle with 'S']

EROSION CONTROL LEGEND

- CONTROL MEASURE [Symbol]
- ILLUSTRATION [Symbol]
- CONSTRUCTION ENTRANCE [Symbol]
- TRUCK CLEANING LIMIT LINE [Symbol]
- TEMPORARY STODPILE WITH DOUBLE ROW OF BLY PILES [Symbol]
- BLANK [Symbol]

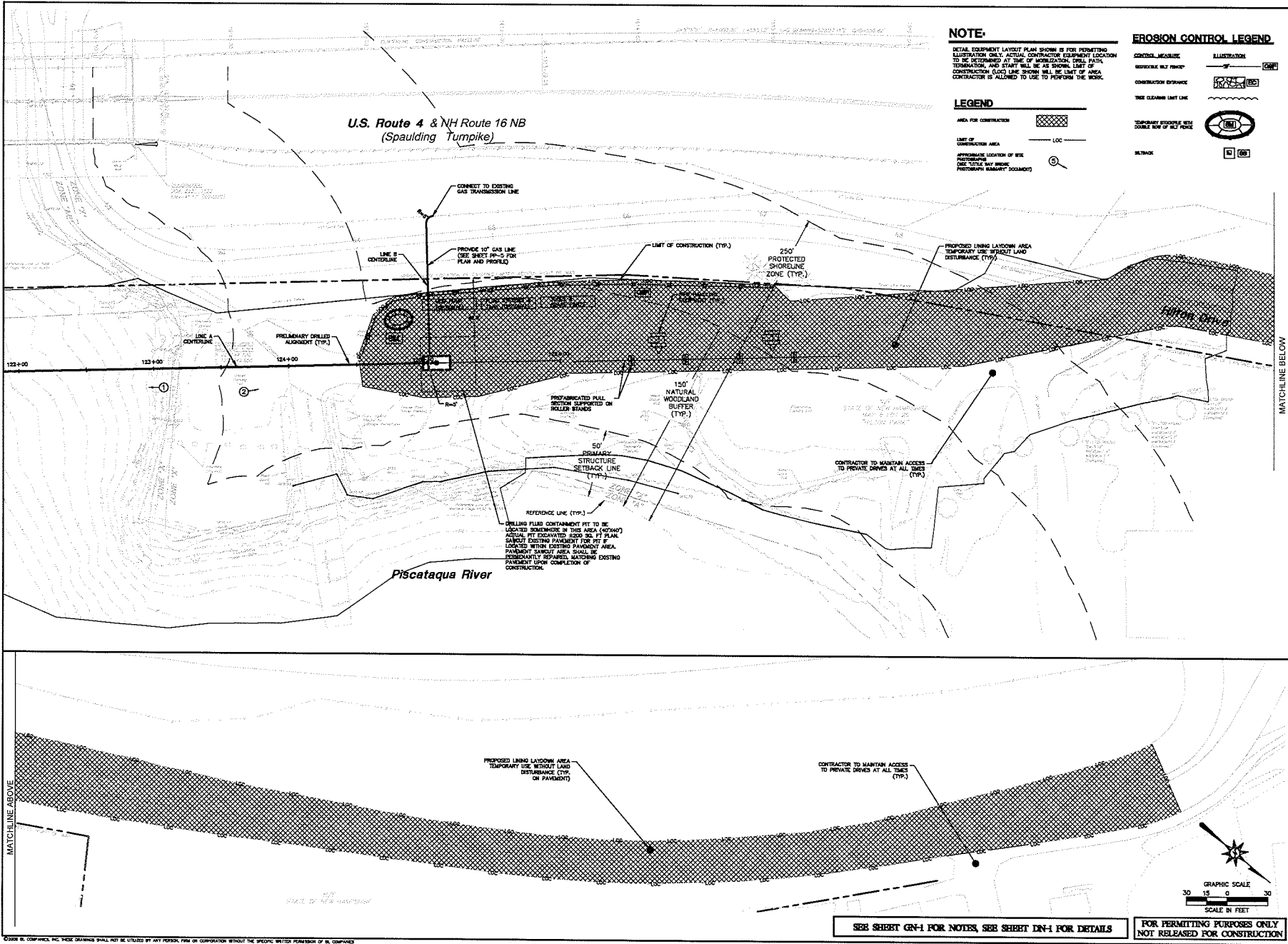


SEE SHEET GN-1 FOR NOTES, SEE SHEET DN-1 FOR DETAILS

FOR PERMITTING PURPOSES ONLY
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Date: 03/19/09 11:20 AM
 Author: B.S.S.
 Project: 1102860
 Sheet: SP-1

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NOTE:

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LEGEND

- AREA FOR CONSTRUCTION
- LIMIT OF CONSTRUCTION AREA
- APPROXIMATE LOCATION OF SITE PHOTOGRAPH
- CONTOUR MEASURE
- RESTRICTED SLOPE FRONT
- CONSTRUCTION ENTRANCE
- TREE CLEARANCE LIMIT LINE
- TEMPORARY STORAGE SITE (DOUBLE SIDE OF R/LY FENCE)
- UTILITY

EROSION CONTROL LEGEND

- CONTOUR MEASURE
- RESTRICTED SLOPE FRONT
- CONSTRUCTION ENTRANCE
- TREE CLEARANCE LIMIT LINE
- TEMPORARY STORAGE SITE (DOUBLE SIDE OF R/LY FENCE)
- UTILITY



UNITLE HORIZONTAL DRILL
AT LITTLE BAY BRIDGE
NEWINGTON-DOVER, NEW HAMPSHIRE

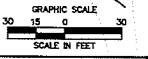
REVISIONS

02/06/2025	ISSUED FOR PERMIT SUBMITTAL
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Designed: B.S.S.
Drawn: B.S.S.
Checked: B.S.S.
Approved: B.S.S.
Scale: 1"=30'
Project No.: 11C23660
Date: 11/17/21
CADD File: SP11C2366021

TITLE: PERMITTING CONSTRUCTION PLAN (DOVER)

Sheet No. SP-1 (2 OF 2)



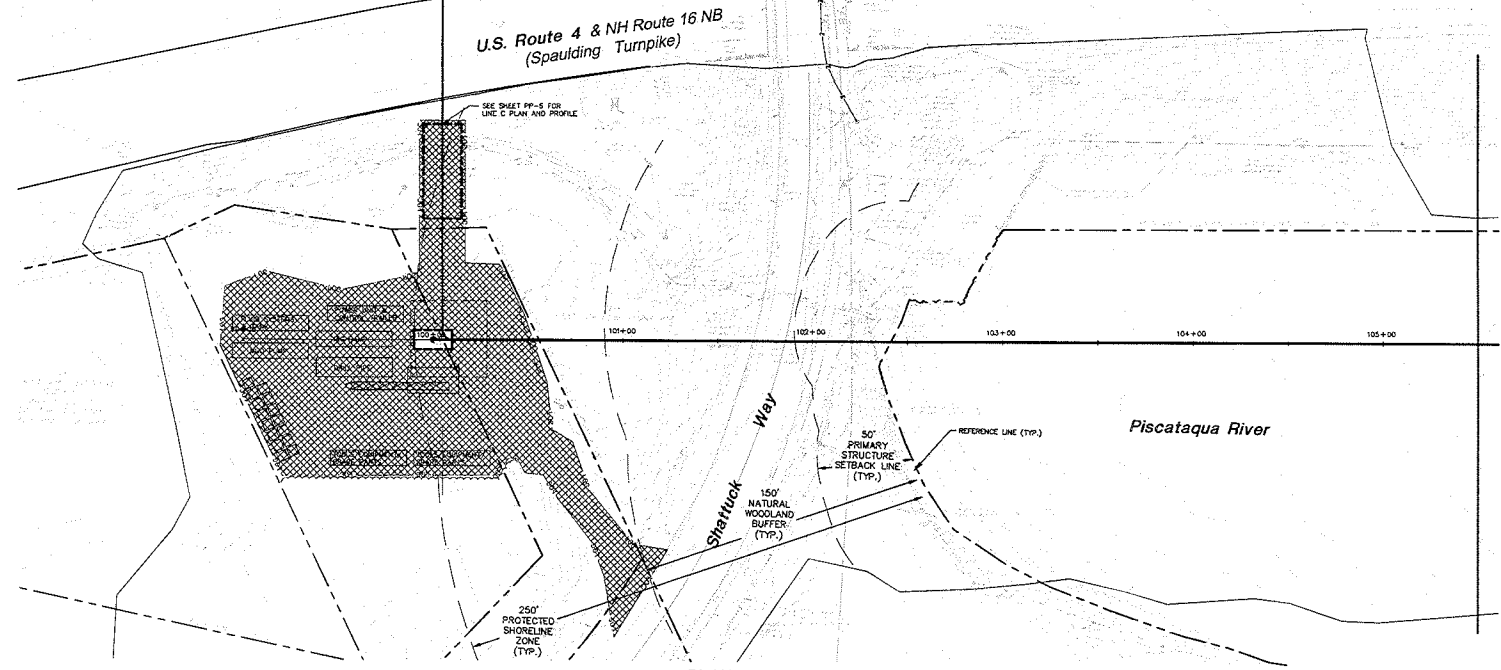
SEE SHEET GN-1 FOR NOTES, SEE SHEET DN-1 FOR DETAILS
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Map No. 2021-11043-11043-001.dwg (11/17/2021) 11:00 AM

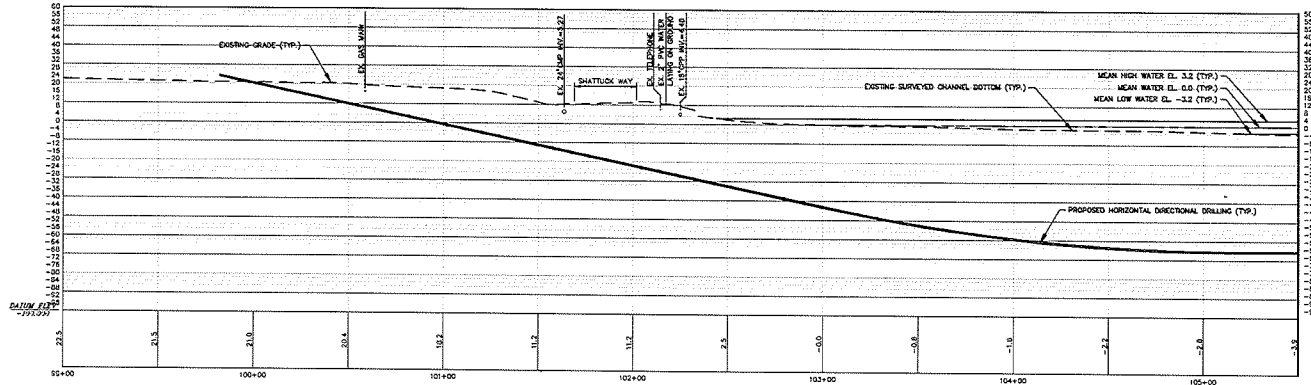
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**UNITIL HORIZONTAL DRILL
 AT LITTLE BAY BRIDGE
 NEWINGTON-DOVER, NEW HAMPSHIRE**



PLAN - LINE A
 SCALE: 1"=30'



PROFILE - LINE A
 SCALE: VERTICAL 1"=30'
 HORIZONTAL 1"=30'

LEGEND

- AREA FOR CONSTRUCTION
- LIMIT OF CONSTRUCTION AREA
- LOC

MATCHLINE SEE SHEET PP-2

MATCHLINE SEE SHEET PP-2

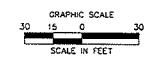
DESIGNED BY: D.S.
 DRAWN BY: X.X.X.
 CHECKED BY: X.X.X.
 APPROVED BY: X.X.X.
 SCALE: 1"=30'
 PROJECT NO: 11C2890
 DATE: 12/11/13
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 PROFILE
 LINE A**

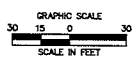
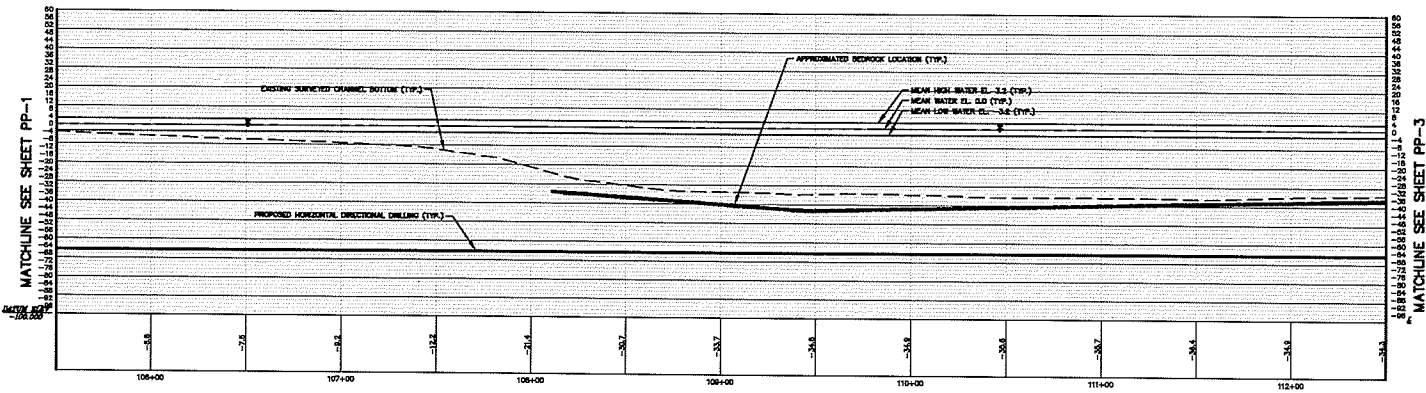
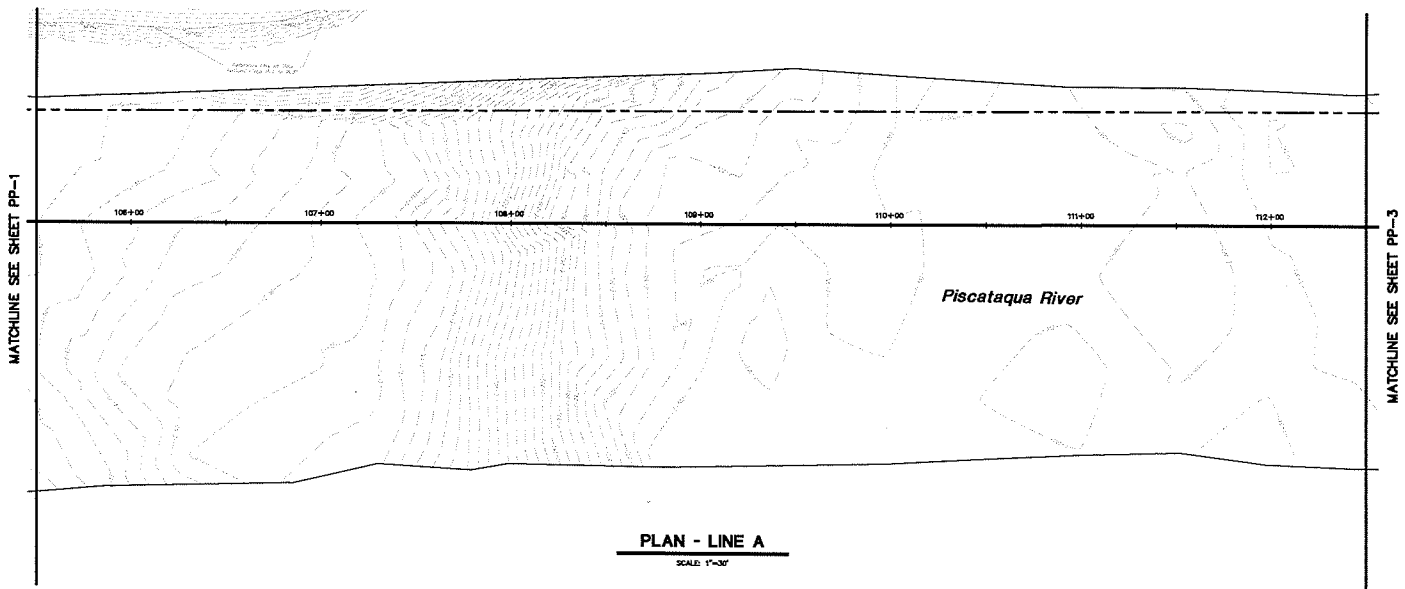
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**UNTIL HORIZONTAL DRILL
AT LITTLE BAY BRIDGE
NEWINGTON-DOVER, NEW HAMPSHIRE**

Revised: _____
No. Data _____
Date: 03/29/2011
Designed: S.S.
Drawn: X.X.X.
Checked: _____
Approved: _____
Scale: 1"=30'
Project No.: 11030600
Date: 11/11/11
CAD File: PP110306001

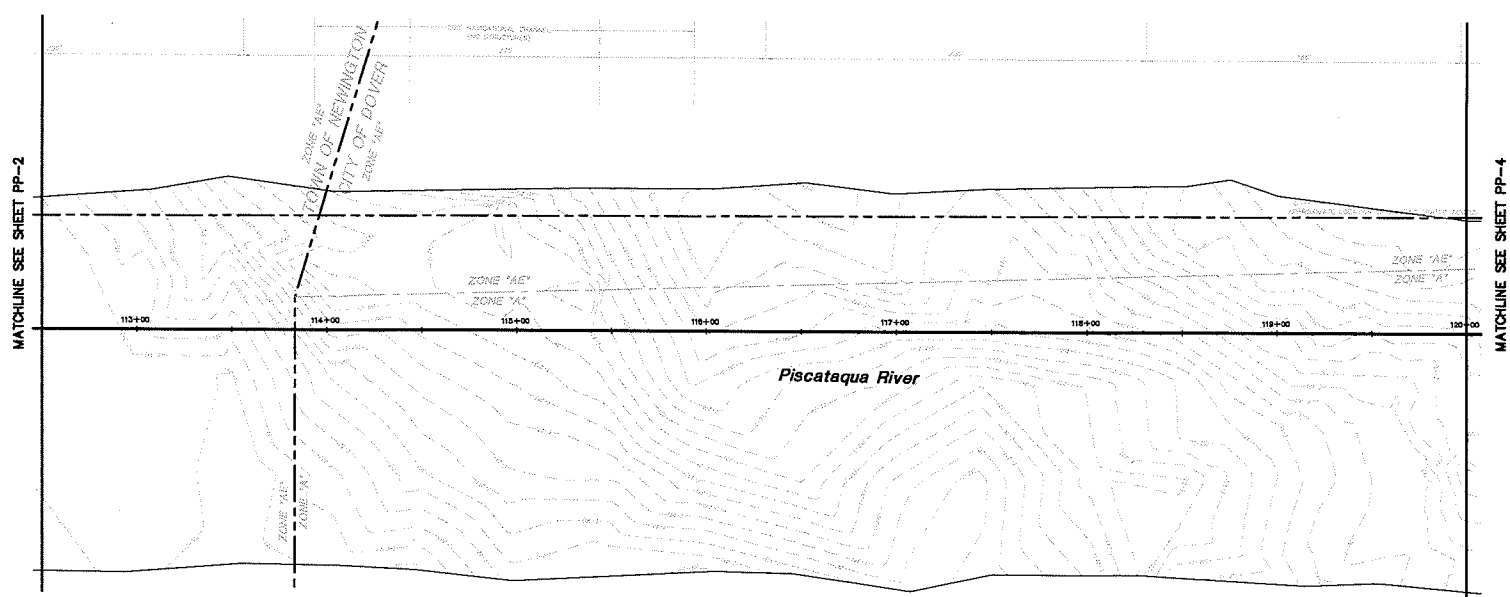
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PROFILE
LINE A**

Sheet No.

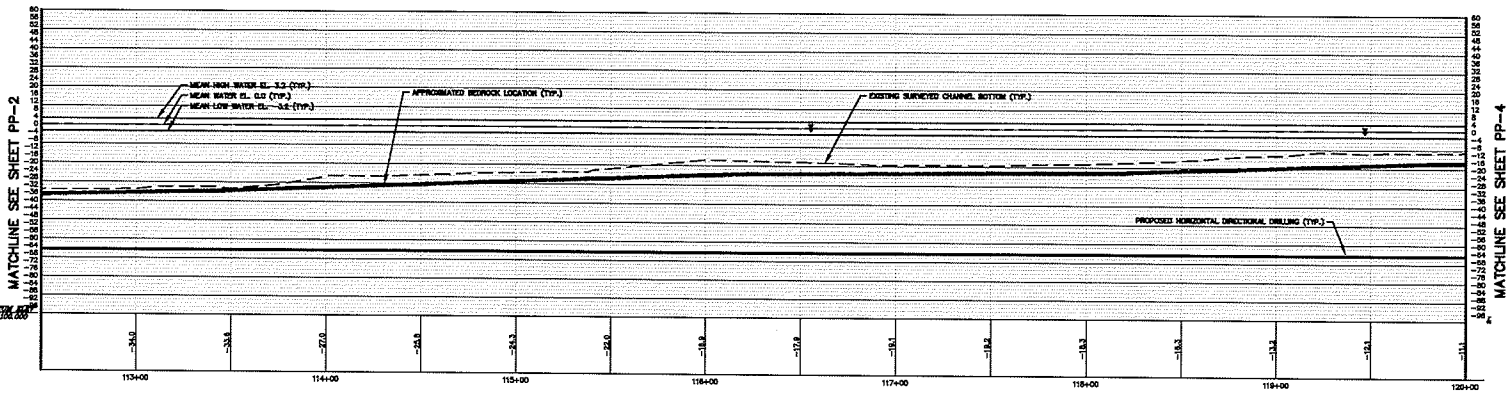
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 User: jk
 Path: C:\Users\jk\Documents\111326600.dwg



PLAN - LINE A
SCALE: 1"=30'



PROFILE - LINE A
SCALE: VERTICAL 1"=30'
HORIZONTAL 1"=30'

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 (203) 650-1492
 (203) 650-2115 Fax

**UNITLE HORIZONTAL DRILL
 AT LITTLE BAY BRIDGE**
 NEWINGTON-DOVER, NEW HAMPSHIRE

REVISIONS:
 No. 1
 Description: 01/21/2013 DESIGN FOR PERMIT SUBMITTAL

Designed: J.S.
 Drawn: X.X.X.
 Checked:
 Approved:
 Scale: 1"=30'
 Project No.: 111326600
 Date: 11/21/13
 CAD File: PP113266001

Title:
**PLAN AND
 PROFILE
 LINE A**
 Sheet No.:

PP-3

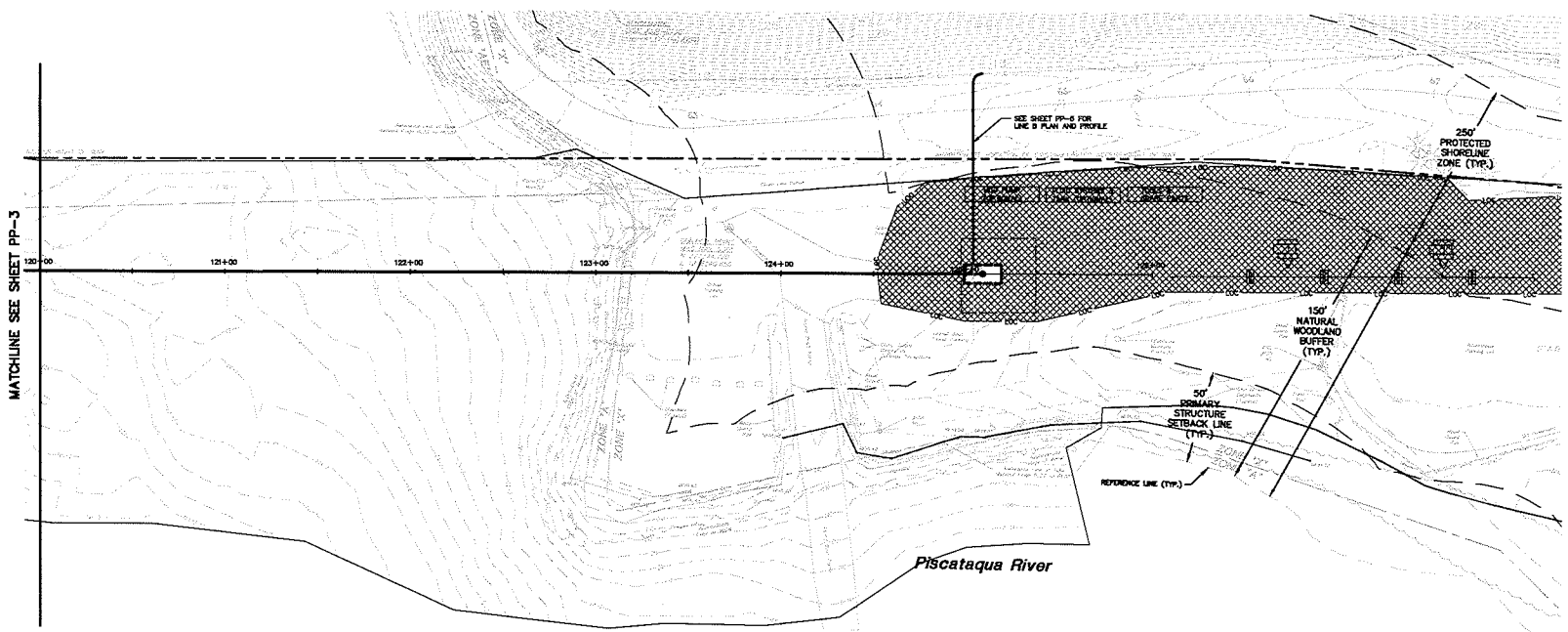
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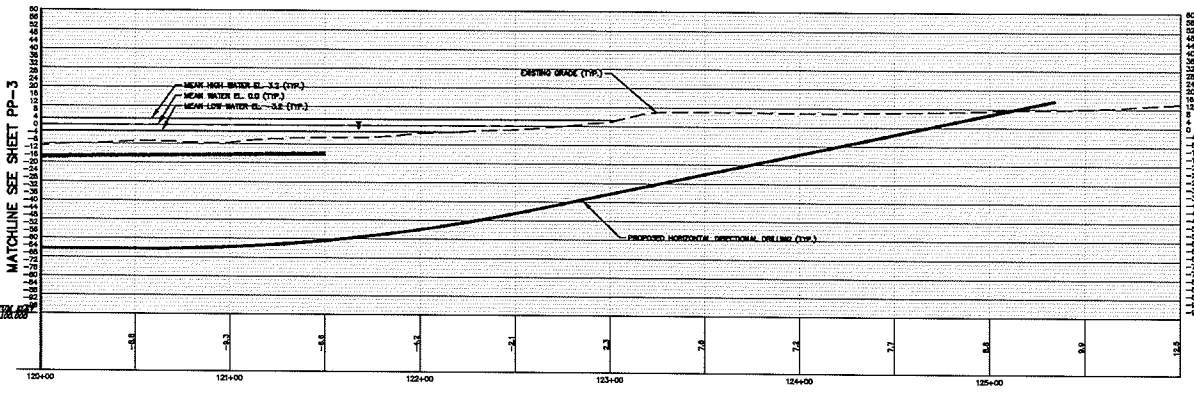
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355 Research Parkway
 Meriden, CT 06450
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 (203) 239-1462

UNTIL HORIZONTAL DRILL
 AT LITTLE BAY BRIDGE
 NEWINGTON-DOVER, NEW HAMPSHIRE



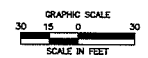
PLAN - LINE A
 SCALE: 1"=30'



PROFILE - LINE A
 SCALE: VERTICAL 1"=30'
 HORIZONTAL 1"=30'

LEGEND

- AREA FOR CONSTRUCTION
- LIMIT OF CONSTRUCTION AREA



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REVISIONS

No.	Date	By	Checked
1	03/26/2015	DESIGNED FOR REVIEW SUBMITTAL	

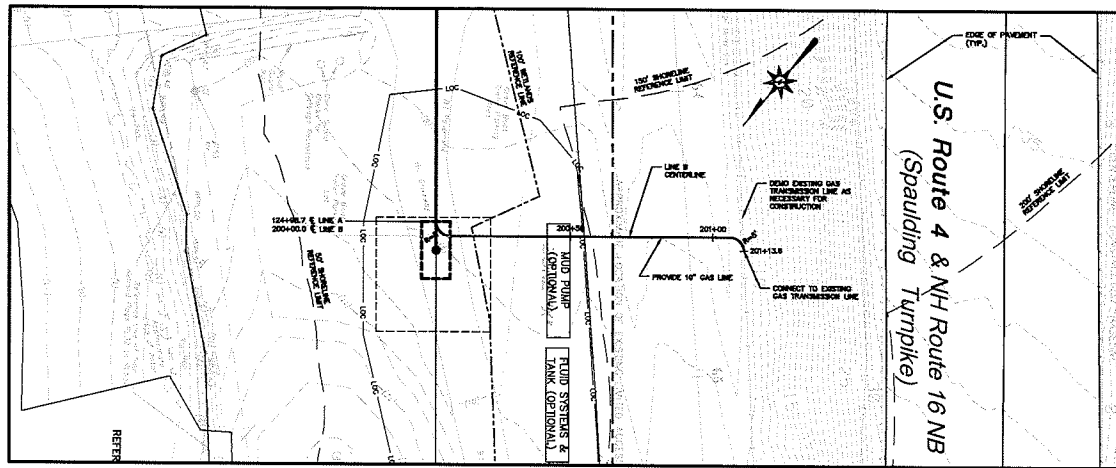
Designed: Drom
 Checked: X.K.K.
 Approved: [Signature]
 Scale: 1"=30'
 Project No.: 1103800
 Date: 11/17/11
 CAO File: PP110380001

Title
 PLAN AND
 PROFILE
 LINE A

Sheet No.

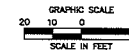
PP-4

Plot No. 2021 1105 00 Rev.00 03/11/2021
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 User: J. J. O'NEILL



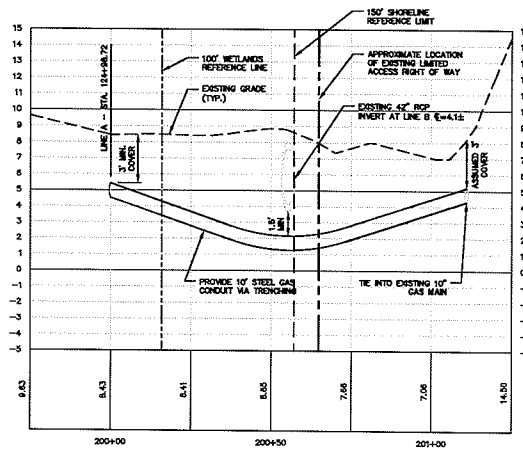
PLAN - LINE B DOVER CONNECTION

SCALE: 1"=30'



LEGEND

LIMIT OF CONSTRUCTION AREA ——— LOC



PROFILE - LINE B DOVER CONNECTION

SCALE: HORIZONTAL 1"=30'
 VERTICAL 1"=4'



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 (203) 554-2655 Fax

UNITIL HORIZONTAL DRILL
 AT LITTLE BAY BRIDGE
 NEWINGTON-DOVER, NEW HAMPSHIRE

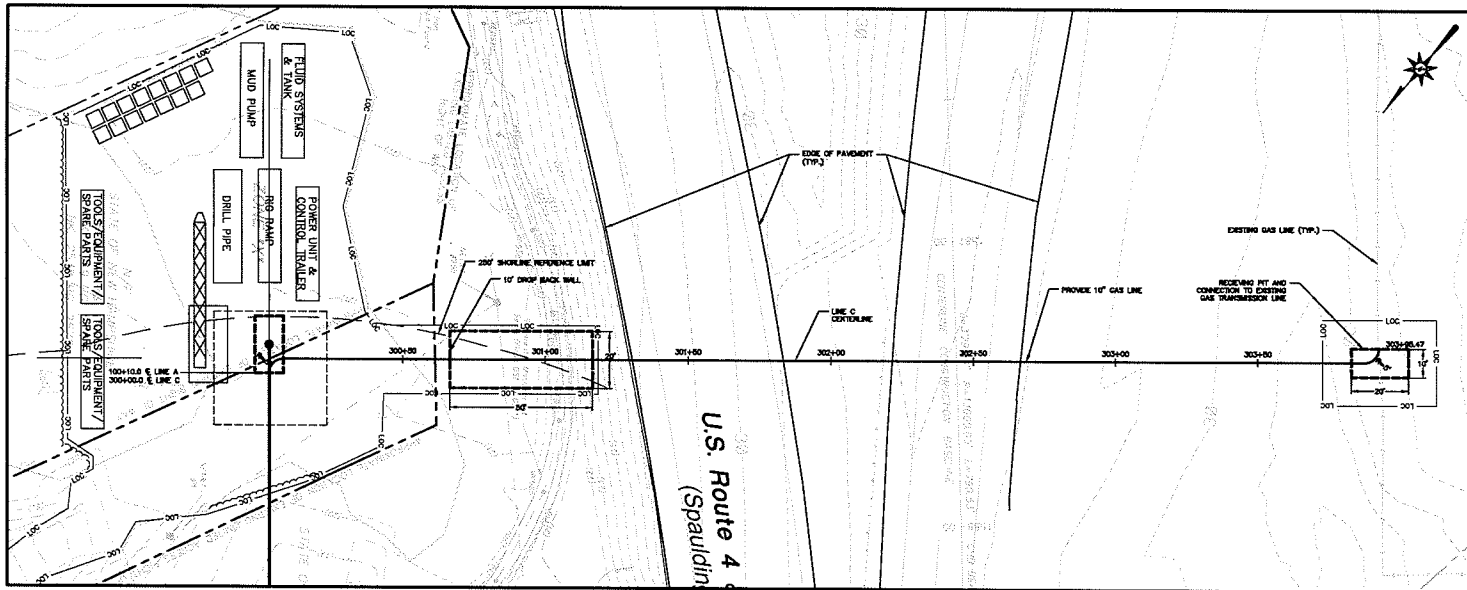
REVISIONS
 No. Description
 1 03/24/2021 ISSUED FOR PERMIT SUBMITTAL

Designed: C.B.
 Drawn: C.B.
 Approved: L.W.
 Scale: AS NOTED
 Project No.: 11C3000
 Date: 11/7/21
 CAD FILE: PP11C3000

Title
 PLAN AND
 PROFILE
 LINE B
 Sheet No.

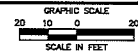
PP-5

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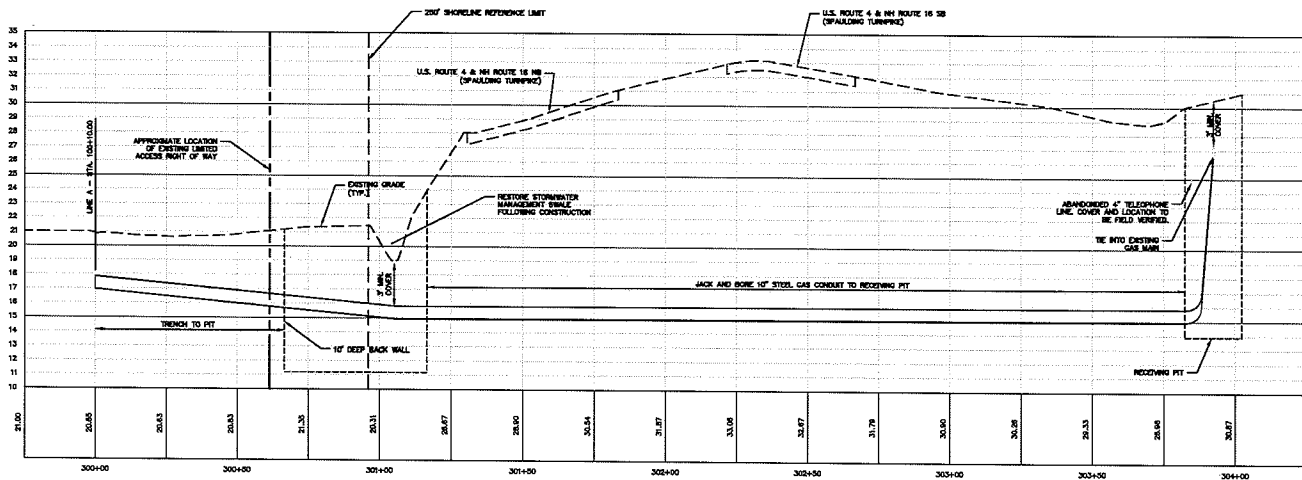
PLAN - LINE C NEWINGTON CONNECTION

SCALE: 1"=20'



LEGEND

LIMIT OF CONSTRUCTION AREA — LOC —



PROFILE - LINE C NEWINGTON CONNECTION

SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=4'

Date: 11/11/11 11:53 AM
 User: jw
 Path: C:\Users\jw\Documents\11111111111111111111.dwg

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 AT LITTLE BAY BRIDGE**
 NEWINGTON-DOVER, NEW HAMPSHIRE

Revisions:
 No. Date Description
 1 02/26/2013 ISSUED FOR PERMIT SUBMITTAL

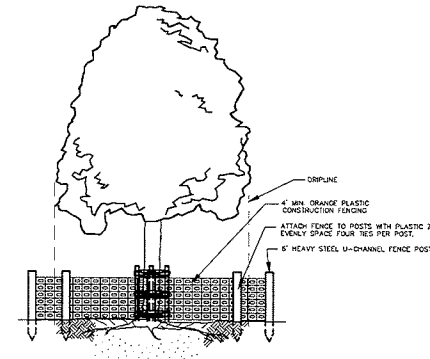
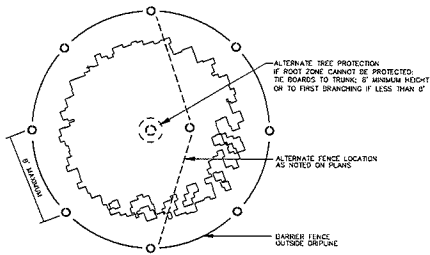
Designed: CJB
 Drawn: JWF
 Checked: JWF
 Approved: JWF
 Scale: AS NOTED
 Project No.: 11C2600
 Date: 11/11/11
 CAD File: PP11C336001

Title:
**PLAN AND
 PROFILE
 LINE C**

Sheet No.:

PP-6

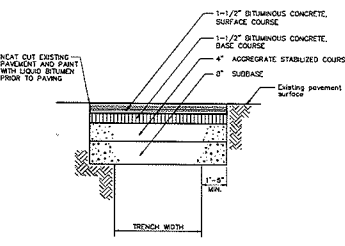
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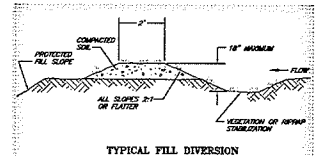
TREE PROTECTION
N.T.S. SLD-001

NOTE TO DESIGNER:
MODIFY THIS DETAIL TO COMPLY WITH LOCAL REQUIREMENTS FOR PAVEMENT SECTION.

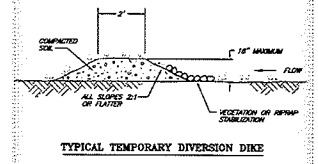
- NOTE: 1) ALL BITUMINOUS CONCRETE, AGGREGATE, STABILIZED COURSE, SURFACE AND LIQUID BITUMEN SHALL CONFORM TO THE MATERIALS, EQUIPMENT AND CONSTRUCTION REQUIREMENTS AS PER STATE SPECS.
- 2) THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12" WIDE TRAVELWAY AT ROAD CORNERS AT ALL TIMES DURING CONSTRUCTION. THE USE OF STEEL PLATES IS FORBIDDEN.



PAVEMENT REPAIR
N.T.S.



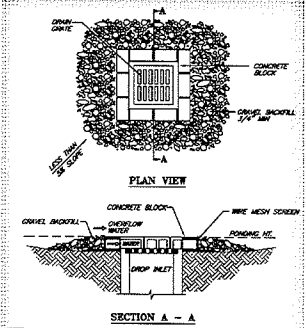
TYPICAL FILL DIVERSION



TYPICAL TEMPORARY DIVERSION DIKE

- NOTES:
1. THE CHANNELS BEHIND THE DIKE SHALL HAVE POSITIVE GRAD TO A STABILIZED OUTLET.
2. THE DIKE SHALL BE ACCURATELY COMPACTED TO PREVENT FAILURE.
3. THE DIKE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING OR RIPRAP.

TEMPORARY DIVERSION
N.T.S.



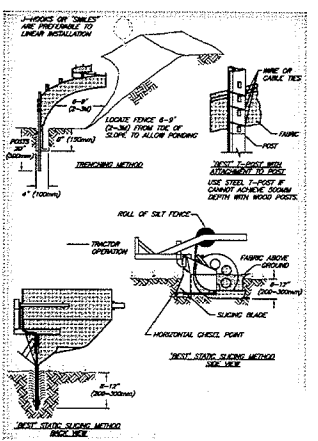
SECTION A - A

CONCRETE BLOCK AND GRAVEL DROP INLET SEDIMENT BARRIER
N.T.S.

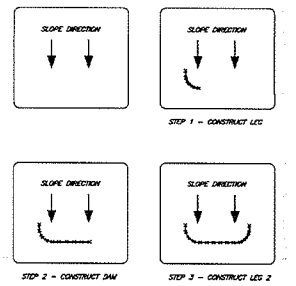
- NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL SPANWISE AREAS. BUILT UP TO 24\"/>

2. THE TOP OF THE STRUCTURE (FINISH HEIGHT) MUST BE WELL BELOW THE CROWN ELEVATION DIMENSIONED TO PREVENT RUNOFF FROM OVERPASSING THE INLET.

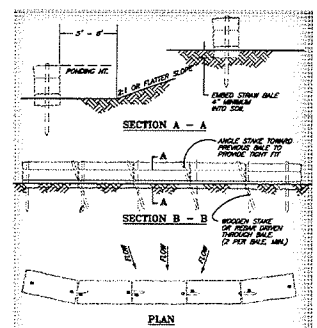
3. TEMPORARY DIKE MAY BE NECESSARY ON THE DOWN-SLOPE SIDE OF THE STRUCTURE.



SILT FENCE INSTALLATION
N.T.S.

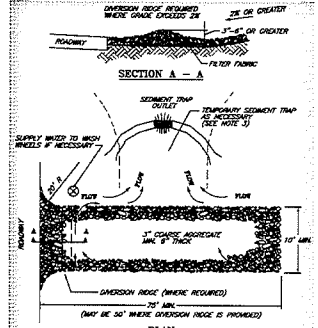


TYPICAL PLACEMENT-ONE SLOPE
N.T.S.



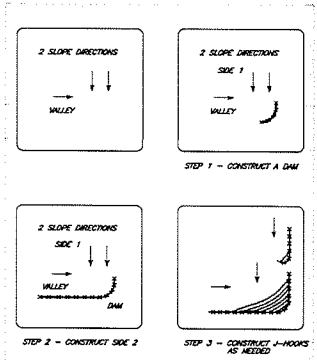
STRAW OR HAY BALE BARRIER
N.T.S.

- NOTES:
1. THE BALES SHALL BE PLACED ON SLOPE CORNER.
2. BALES TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ADJUTING.
3. SET AN INCH TO PREVENT EROSION OR FLOW THROUGH BALES.
4. REFER TO SECTION ON 'SILT FENCE' FOR DIMENSIONS ALLOWING PLACEMENT OF BARRIERS FOR EFFECTIVE SEDIMENT CONTROL.



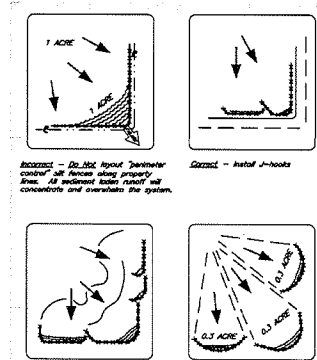
TEMPORARY GRAVEL CONSTRUCTION EXIT
N.T.S.

- NOTES:
1. THE DISTANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT EROSION OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP LIME, ROPING AND/OR CLEAN UP OF ANY REQUIRED LEGS TO TRAP SEDIMENT.
2. WHEN NECESSARY, WEEDS SHALL BE CLEARED PRIOR TO ENTRANCE INTO PUBLIC RIGHTS-OF-WAY.
3. WHEN WEEDING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH COVERED SEEDS THAT CAN BE TIED TO APPROVED SEDIMENT TRAP OR STABILIZED BANK.

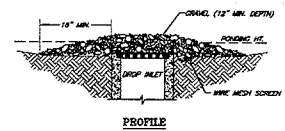


TYPICAL PLACEMENT-TWO SLOPES
N.T.S.

INSTALLATION WITH J-HOOKS WILL INCREASE SILT FENCE EFFICIENCY AND REDUCE EROSION-CAUSING FAILURES.



SILT FENCE PLACEMENT FOR PERIMETER CONTROL
N.T.S.



PROFILE

GRAVEL AND WIRE MESH DROP INLET SEDIMENT BARRIER
N.T.S.

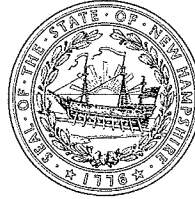
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ATTORNEY GENERAL
DEPARTMENT OF JUSTICE

Granite State Gas Transmission
Company, Inc.

33 CAPITOL STREET
CONCORD, NEW HAMPSHIRE 03301-6397

MICHAEL A. DELANEY
ATTORNEY GENERAL



ANN M. RICE
DEPUTY ATTORNEY GENERAL

February 9, 2012

VIA FIRST CLASS MAIL & FAX (603.224.2318)

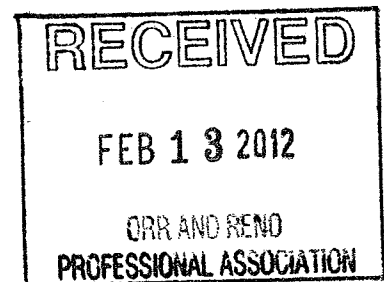
Maureen D. Smith, Esquire
Orr & Reno
One Eagle Square
P.O. Box 3550
Concord, New Hampshire 03302-3550

Dear Attorney Smith:

Pursuant to our conversation on February 2, 2012, this office has analyzed what authorizations would be required to construct a bedrock boring under the tidal waters between Newington and Dover for a natural gas line.

Under RSA 371:17-23, the utility owning the proposed gas line would be required to petition the Public Utilities Commission for a construction license. Such a license is a necessary prerequisite for the proposed directional drill, but it does not by itself function to convey a real property interest.

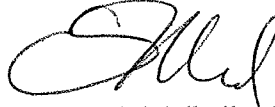
Pursuant to N.H. RSA 1:14 and case law, the land beneath tidal waters is owned by the State, subject to the public trust. Phillips Petroleum Co. v. Mississippi, 484 U.S. 469, 476, (1988) (qtd. in Opinion of the Justices, 139 N.H. 82 (1994)); Concord Manufacturing Co. v. Robertson, 66 N.H. 1 (1890). In order to legally drill through and under the submerged land in question, the driller would have to first obtain a grant of an easement to acquire a property right in the submerged land, which would remain subject to the public trust. The easement would have to be approved by the Governor and his Executive Council and be approved by the Long Range Capital Planning and Utilization Committee, with advice from the Council on Resources and Development, per RSA 4:40. The drilling proposal would also have to be submitted for comment to the appropriate River Management Advisory Committee, pursuant to RSA Ch. 483.



Letter to Ms. Maureen D. Smith
February 9th, 2012
Page 2

Please let me know if I can be of any assistance in drafting the easement.

Sincerely,



Evan J. Mulholland
Assistant Attorney General
Environmental Protection Bureau
(603) 271-3679

EJM/cmc

ec: Jacquie Colburn, Environmental Program Mgr., Watershed Management Bureau, DES
Gino Infascelli, Public Works Project Supervisor, Wetlands Bureau, DES
Dori Wiggin, East Region Supervisor, Wetlands Bureau, DES
cc: Steven Frank, Assistant Director, Gas & Water Division, PUC