

INVITATION TO BID
TOWN OF NEWINGTON

The Town of Newington will accept bids from experienced contractors for a firearms range wall, located behind the Highway Garage on Milk Lane in Newington. All bids must be submitted in accordance with Town specifications and on forms supplied by the Town. Bid forms and specifications are available in the office of the Town Manager, 131 Cedar Street, Newington, Connecticut and on line at the Town's website, www.newingtonct.gov, under Doing Business, Bid Opportunities. Bids will be received and read publicly at 2:30 p.m. on November 14, 2014 in the Town Manager's Office. The Town of Newington reserves the right to reject any or all bids.

John L. Salomone
Town Manager

Bid No. 4, 2014-15

TOWN OF NEWINGTON
FIREARMS RANGE WALL
GENERAL REQUIREMENTS

INTENT

The intent of these specifications is to select a Contractor to construct and install a wall behind the firearms range used by the Newington Police Department, and others, located behind the Newington Highway Garage on Milk Lane in Newington, CT.

BID PROCEDURES

All bids shall be submitted on forms provided by the Town of Newington and addressed to the Town Manager's Office, Town Hall, 131 Cedar Street, Newington, CT 06111. Bids will be opened at 2:30 P.M. on November 14, 2014 in the Town Manager's Office. Sealed bid envelopes shall be clearly labeled "Bid No. 4, 2014-15, Shooting Range Wall". The Town reserves the right to waive informalities or to reject any or all bids when such action is deemed in the best interests of the Town. The Town reserves the right to delete such items as it deems necessary from these proposals. All exceptions of the bidder to the terms and specifications of this bid shall be made in writing and submitted in full with the Bid Form. For all other terms and specifications, submission of a bid constitutes acceptance by the bidder. The Town reserves the right to reject bids which contain one or more exceptions that are unacceptable to the Town. All bids shall remain in effect for a period of forty-five days from the date of the bid opening. The combination of the Base Bid with those Add Alternate Bid Items, if any, selected at the sole discretion of the Town, shall determine the lowest responsible bidder. All prices bid by the Contractor shall be held firm until all work has been completed.

TERMINATION

All work done as a result of this bid shall be completed to the satisfaction of the Town Manager. The Town reserves the right to terminate this agreement upon ten (10) calendar days written notice of failure by the Contractor to provide service to the satisfaction of the Town Manager.

NONDISCRIMINATION

The Contractor shall agree and warrant that it will not discriminate or permit discrimination against any person or group of persons on the grounds of sex, race, color religion, age, marital status, ancestry, national origin, past history of mental disorder, mental retardation or physical disability or other basis in any manner prohibited by the laws of the United States, the State of Connecticut, or the Town of Newington.

HOLD HARMLESS

The Contractor agrees to indemnify, defend and hold harmless the Town of Newington and its respective officers, employees, agents and/or servants against all demands, claims, actions or causes of actions, losses, damages, liabilities, costs and expenses, including without limitation, interest, penalties, court costs and reasonable attorney's fees, asserted against, resultant to, imposed upon or incurred by the Town of Newington resulting from or arising out of:

1. Any breach by the Contractor of the terms of the specifications, or
2. Any injuries (including death) sustained by or alleged to have been sustained by the officers, employees, agents and/or servants of the Town of Newington or the Contractor or subcontractors or material men, or
3. Any injuries (including death) sustained by or alleged to have been sustained by any member of the public or otherwise any or all persons, or
4. Any damage to property, real or personal, (including property of the Town of Newington or its respective officers, agents and servants)

caused in whole or in part by the acts or omissions of the Contractor, any subcontractor, or any material men or anyone directly or indirectly employed by them while engaged in the performance of any work for the Town of Newington.

HAZARDOUS MATERIALS

The Contractor, when providing, using, storing, delivering or disposing of any toxic, hazardous or potentially dangerous materials, shall advise the Town, in writing, of the condition of such hazardous materials in advance of conducting any work and is responsible for protecting the Contractor's own employees, those of the Town, and all its' agents from the hazards associated with such materials. The Contractor shall furnish direction, precautions, or training, provided or made available from the supplier of the materials, or other acceptable source, for use by all persons who may be subject to the hazard. The Contractor shall comply with all applicable regulations and laws. The Contractor shall dispose of any hazardous or toxic substances in accordance with all applicable regulations or laws, including E.P.A. and D.O.T., and shall provide the Town with the appropriate generator E.P.A. number. The Contractor shall do all things necessary to insure that there will be no discharge, spillage, uncontrolled loss, seepage or filtration of any hazardous or toxic waste on the site caused by the Contractor's operations. The Contractor is responsible for any and all costs and liabilities associated with the clean up of any such spillage, etc., or as required by any regulating authority, and holds the Town harmless against any current or future liabilities resulting from such an incident.

INSURANCE

The successful bidder shall furnish a certificate of insurance to the Town Manager for the following insurance coverage within ten (10) days form contract execution. All insurance coverage shall be written with an insurance company licensed to conduct business in the State of Connecticut. Insurance coverage shall remain in full force for the duration of the contract term including any and all extensions. Such certificate of insurance shall specify that the Town of Newington will receive thirty (30) days notice of any cancellation, non-renewal or reduction in coverage and limits originally provided.

1. Commercial General Liability including Premises-Operations, Independent Contractors, Blanket Contractual, Products and Completed Operations:

\$1,000,000 Each Occurrence
\$1,000,000 Aggregate

Combined Single Limit for personal injury or property damage or both combined.

Such policy shall name the Town as additional insured.

2. Comprehensive Automobile Liability covering owned, non-owned, hired or leased vehicles.

\$1,000,000 Each Accident

Combined Single Limit for bodily injury or property damage or both combined.

3. Workers Compensation Insurance in accordance with Connecticut State Statutes.

Employers Liability Limit - \$100,000.

USE OF PREMISES

The Town of Newington will retain the right of access to all public areas at all work locations for all employees and members of the public throughout the entire period in which work is in progress. At no time shall the Contractor block or hamper the egress of any emergency vehicle, nor block any public entrance.

UTILITIES

Existing utilities are available for the Contractor's use at the job site. The Contractor shall be responsible for providing all ladders, extension cords, tools and equipment necessary to perform the work.

PAYMENT

Payment for the work associated with this bid shall be made within thirty (30) days by the Town, following the completion of all work invoiced to the satisfaction of the Town Manager and upon submission of an invoice to the Town of Newington Finance Department, 131 Cedar Street, Newington, CT 06111. Payment for materials shall only be for materials already used or for materials stored on site at the job location.

STORAGE AND HANDLING

All materials and equipment shall be delivered, handled and stored in a manner which prevents the intrusion of foreign materials and damage by breakage or weather. Such storage, delivery, and handling shall not interfere with Town operations nor impede access to any public areas. All equipment shall be stored in a clean, dry location. Material which is damaged shall be replaced with new material at no additional cost to the Town.

PROTECTION

Precaution for the protection of persons and property must be exercised at all times. The safety provisions of applicable laws, as well as building, fire and construction codes, shall be observed at all times. The Contractor shall take such additional safety and health measures as are reasonably necessary. Special precaution shall be taken to protect the structure from the elements during the course of the project, including the use of tarps or other protective covers.

CLEANUP

Removal of material to be replaced is the responsibility of the Contractor. All accumulated rubbish and debris shall be removed daily from the building and adjacent areas by the Contractor. Any such rubbish and debris shall not be placed in the Town's dumpster but shall be transported by the Contractor from the premises. All dumpster and trash disposal costs shall be included in the bid price. Any inflammable rubbish shall not be burned on the premises but shall be hauled away.

The work area(s) shall be left clean and ready for use by the Town. If the Contractor fails to properly clean up the job site the Town may do so or may hire another firm of its choosing to do so. In either case, the cost of such cleanup shall be charged to the Contractor.

APPEARANCE

All work shall be performed in a workmanlike and professional manner and shall be left with a neat appearance. All disturbed areas, both in and around the wall, shall be restored to their original condition. Any damage to the protective berm, a building or land resulting from this work shall be repaired by the Contractor at no additional cost to the Town. All preparation and installation shall be performed in conformance with manufacturer's guidelines, if any, the applicable State of Connecticut Department of Transportation requirements, and appropriate building and fire codes. All work shall be performed to the satisfaction of the Town Manager.

QUALIFICATIONS

The Contractor shall have demonstrated experience by having been in business (as the same business with the same name as submitted on the Bid Form) for at least three (3) years and by having successfully completed at least three (3) similar projects. If requested by the Town, the bidder shall provide a list of three similar projects, with telephone numbers and contact persons, prior to the award of this bid, and evidence of incorporation/business formation that will satisfy the requirements of this section. The Contractor shall have the required background, technical knowledge, and equipment, labor force and satisfactory prior work history to perform this project in a satisfactory manner. Failure to meet the qualifications of this section alone is sufficient grounds for rejection of the bid by the Town.

WARRANTY

The Contractor shall provide to the Town Manager's Office any warranty data and documents for all material to be provided. Any warranty for labor, workmanship, and/or materials provided by the Contractor shall be identified on the Bid Form, as well as any materials warranty by the manufacturer.

CONDITION

All material shall be new and unused prior to installation by the Contractor. All items installed shall be completely and properly functional, and installed to the full satisfaction of the Newington Town Manager, before payment will be processed by the Town.

SCHEDULING

The Contractor shall complete work on this project within forty (40) calendar days after the date of written notice of award in the form of a purchase order from the Town. The Contractor shall begin work on the project within twenty one (21) calendar days following the date of award in the form of a purchase order from the Town. Failure to start work within this period shall be sufficient grounds to allow the Town to declare the

lowest bidder "non-responsive" and award this bid to the next lowest bidder. Should this occur, the Town will not be responsible for reimbursing the non-responsive bidder for any costs incurred. Work on this project by the Contractor shall be continuous, as permitted by weather conditions, once it has begun. Failure to do this is sufficient grounds for termination of the contract. By Town Ordinance, no work may begin prior to 7:00 a.m. The Town, at its sole discretion, may choose to suspend the Contractor's operations and grant an extension of time for completion based on weather or other factors beyond the Contractor's control.

SUBCONTRACTORS

A list of any and all subcontractors shall be supplied by the Contractor to the Town before work begins. The Town shall have the right to reject any subcontractor(s) and require the Contractor to find an alternative subcontractor. The Town will only contract with one firm for this work. All subcontractors shall have the required background, technical knowledge, equipment and satisfactory prior work history to perform their tasks in a satisfactory manner.

SITE INSPECTION

No pre-bid conference will be held. Each bidder shall examine the work site and become fully acquainted with existing conditions so that the bidder fully understands the facilities, difficulties, and restrictions involved with this project. Each bidder shall take all necessary measurements for this work. Failure of the bidder to become acquainted with the conditions at the job location shall in no way relieve the bidder from any obligation with respect to this bid or the resulting contract.

QUESTIONS AND ADDENDA

All questions or comments regarding the specifications or work related to these specifications shall be presented to Director of Administrative Services Jeff Baron, either in writing at jbaron@newingtonct.gov or by calling (860) 665-8513. All questions shall be presented by the close of business on November 10, 2014 to allow sufficient time for preparation of addenda. All addenda will be posted on the Town's website, www.newingtonct.gov, under Doing Business, Bid Opportunities, a minimum of 48 hours before the scheduled bid opening. Bidders are responsible for checking the website for the presence and content of any addenda.

QUANTITIES

Bidders are responsible to measure the job and submit their bid price based on the material and labor that they determine will be required. The Town, however, will not compensate the bidder for any miscalculation of quantity of materials and labor, as the Town seeks a lump sum bid price that is inclusive of all things necessary to complete the project in accordance with this bid and all applicable installation requirements, laws and ordinances.

PERMITS

The Contractor and any subcontractors shall obtain a Building Permit from the Building Department, located in the Town Hall, prior to the start of any work. The fee for all such Town building permits related to this project shall be waived by the Town. The Contractor shall secure and pay for any other permits, fees, licenses and/or inspections by government agencies necessary for proper execution and completion of the work. The Contractor shall comply with and give the notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders and directives of public authorities and governmental inspection agencies that are applicable to the performance of the work.

TOWN OF NEWINGTON

FIREARMS RANGE WALL

PROJECT SPECIFICATIONS

INTENT

It is the intent of these specifications to retain an experienced Contractor to construct a wooden barrier wall at the top of the protective berm of the Newington Police Department firearms range, located behind the Highway Garage off Milk Lane in Newington, for the purpose of providing concealment from public view and reducing noise emanating from the shooting range.

ENGINEER

The Contractor shall retain a licensed structural engineer that is acceptable to the Town, who shall determine the proper post size and post depth in order to accommodate the post dead load transfer and the post wind load transfer. Prior to the start of construction, this structural engineer shall submit a drawing to the Town for approval showing the specific location of the wall and all post holes, including the width and depth of such post holes.

INSTALLATION

All products shall be installed in accordance with the manufacturer's instructions. The wall shall be constructed and installed in conformance with the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, Section 9.16, Noise Barrier Wall and the Connecticut Department of Transportation Standard Sheet 916-A, Timber Noise Barrier Wall, Type I. All references in the Connecticut Department of Transportation documents to the "Engineer" shall be changed to the "Town". Connecticut Department of Transportation

Standard Sheet 916-A, Timber Noise Barrier Wall, Type I is included and shall be considered an integral part of these specifications. The wall shall cover the full length of the protective berm, as well as the open area between the berm and the shoot house.

PANELS

The wall shall be a total of 160' linear feet long and 20' high. The wall shall consist of panels comprised of 2" x 8" tongue in groove wooden planks of pressure treated lumber. Planks shall be installed with the tongue facing up. The top plank in each panel shall not have a tongue. All planks shall be in a horizontal, straight line and all planks shall fit tightly at the time of installation. Any plank that does not fit tightly shall be rejected. Each panel shall be 12 feet in length. Shorter lengths may be used when ascending or descending grades. Each panel shall have one pole at either end. Each panel shall be staggered or overlap with the adjacent panel, such that each pole (except the first pole in the barrier and the last pole in the barrier) shall serve to support two panels, one on the front of the pole and one on the back of the pole. Each panel shall have two vertical 2' x 4" battens, evenly spaced for support. Crushed stone shall be placed along the base of all panels in accordance with Connecticut Department of Transportation Standard Sheet 916-A.

POSTS

Posts shall be plumb, in precise position to accept panels, and shall be braced in such a manner as to remain plumb and in the required lateral position during backfilling. Post holes shall be augured to the required diameter and depth, which shall be determined by the Contractor's licensed engineer. The panel to post connection shall consist of a snug fit along the entire post to panel contact area. All posts shall be set in concrete and surrounded all around each post by a minimum distance of one foot from the post by crushed stone that shall also be a minimum of two inches in depth above the bottom of the panel planks. Post diameters shall conform to the table that is part of Connecticut Department of Transportation Standard Sheet 916-A.

FASTENERS

All nails, lag bolts, washers, etc. shall be supplied and installed in conformance with Connecticut Department of Transportation Standard Sheet 916-A.

ACCESS TO BERM

The Contractor shall be responsible for providing and removing a ramp or other structure to gain access from the asphalt portion of the firearms range onto the berm, as well as any equipment, scaffolding, supports, lifts, etc. needed for proper installation.

TOWN OF NEWINGTON

FIREARMS RANGE WALL

BID FORM

Town Manager
131 Cedar Street
Newington, CT 06111

In accordance with the specifications, the undersigned submits the following bid for the construction and installation of a wall at the Newington Police Department Firearms Range, located behind the Highway Garage off of Milk Lane in Newington:

BASE BID

Lump sum price for the construction and installation of the wall

Total Bid \$ _____.

The undersigned submits this bid without collusion with any other individual or corporation.

SUBMITTED FOR:

SUBMITTED BY:

Firm _____

Signature _____.

Address _____

Name _____.

Title _____.

Telephone _____.

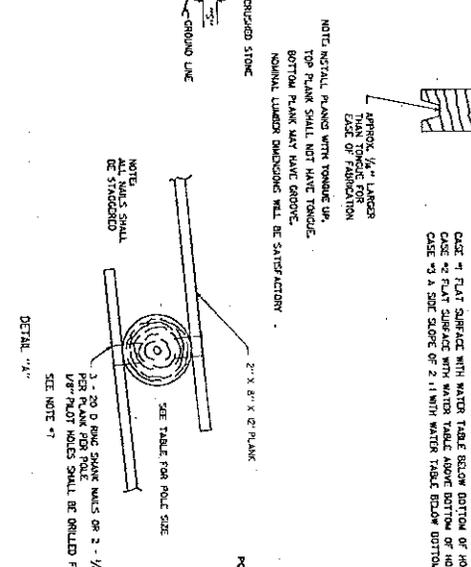
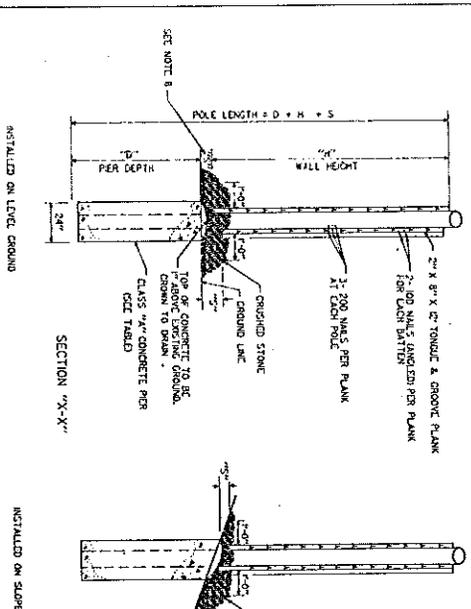
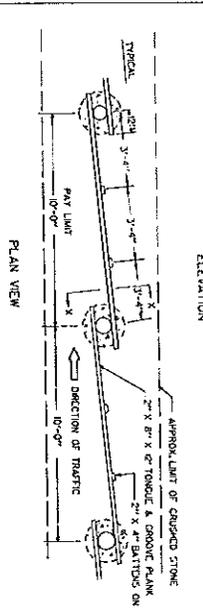
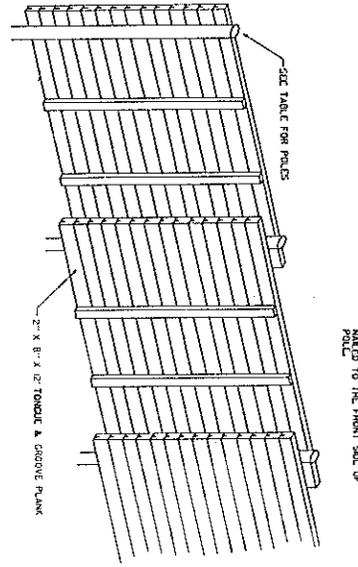
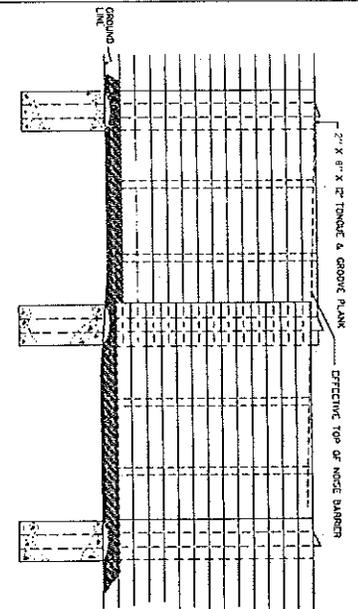


TABLE - PER DEPTH OF CRUSHED STONE (SEE NOTE 1)

WALL HEIGHT AT TOP OF NOISE BARRIER	PER DEPTH OF CRUSHED STONE	PER DEPTH OF CRUSHED STONE
4'-0"	4'-0"	4'-0"
4'-6"	4'-6"	4'-6"
5'-0"	5'-0"	5'-0"
5'-6"	5'-6"	5'-6"
6'-0"	6'-0"	6'-0"
6'-6"	6'-6"	6'-6"
7'-0"	7'-0"	7'-0"
7'-6"	7'-6"	7'-6"
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8'-6"	8'-6"	8'-6"
9'-0"	9'-0"	9'-0"
9'-6"	9'-6"	9'-6"
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10'-6"	10'-6"	10'-6"
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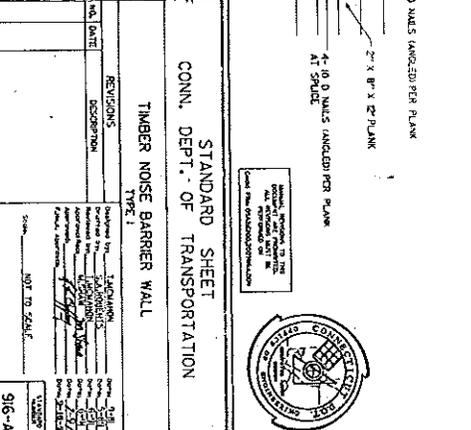
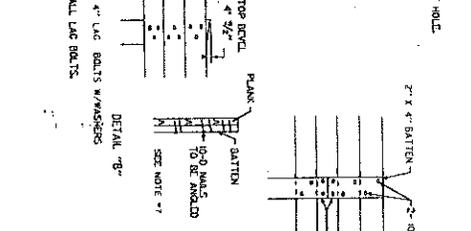


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- CONCRETE SHALL BE CLASS "B" IN CONFORMANCE WITH SECTION 606.
- LUMBER & POLES
 - ALL LUMBER SHALL BE NO. 1 OR BETTER SOUTHERN YELLOW PINE OR DOUGLAS FIR-LARCH SURFACED FOUR SIDES. ALL LUMBER AND POLES SHALL BE COMMERCIALLY INSPECTED BY AN APPROVED COMPANY. ALL LOGS, SPOKES, LIMBS AND POLES SHALL BE OAK OR BETTER TO BE USED FOR CONSTRUCTION OF THE STRUCTURE.
 - ALL LUMBER SHALL BE DOUGLAS FIR CONFORMING TO SPIRO GRADE.
 - THE TYPES OF TREATMENT ARE ACCEPTABLE:
 - A. COA IN ACCORDANCE WITH ANPA P-5.
 - B. NOTICED OTHERWISE, IN ACCORDANCE WITH ANPA P-3, TYPE B (L.P.C.)
 - ALL MATERIAL SHALL HAVE A MINIMUM TREATMENT AS FOLLOWS:
 - PERFORMANCE: 0.50 LBS. PER CU. FT.
 - COA: 0.60 LBS. PER CU. FT.
 - TREATMENT TO COMPREHENSIVE ANPA P-3, TYPE B (L.P.C.)
 - ALL MATERIAL SHALL BE PROTECTED FROM WEATHER WITH INSTALLATION.
- THE PLANK ENDS SHALL BE IN A VERTICAL STRAIGHT LINE AND ALL PLANKS SHALL FIT TIGHTLY AT THE TIME OF INSTALLATION. ANY PLANK WHICH DOES NOT FIT TIGHTLY SHALL BE REJECTED.
- FIELD CUTS AND HOLES SHALL BE TREATED IN ACCORDANCE WITH ANPA M-4.
- STAIN - PROTECTING EXTERIOR OR FACE SEMI-TRANSPARENT STAIN COMPATIBLE WITH THE PRESERVATIVE TREATMENT. (COLOR SHALL BE GREEN UNLESS OTHERWISE NOTED ON THE PLAN)
- ALL METAL SHALL BE STAINLESS STEEL. TYPE 304 OR 316. 200 NAILS SHALL BE A MINIMUM DIAMETER OF 3/16 INCHES AND SHALL BE A MINIMUM OF 4 INCHES LONG. 60 NAILS SHALL HAVE A MINIMUM DIAMETER OF 3/16 INCHES AND SHALL BE A MINIMUM OF 3 1/2 INCHES LONG. ALL NAILS SHALL BE UNSWEATED. LAG BOLTS SHALL BE 1/2" DIAMETER X 4" LONG.
- THE CRUSHED STONE SHALL CONFORM TO ARTICLE 606.01 PLACED TO A WALL DEPTH OF 2' ABOVE THE BOTTOM OF THE PAIR OF PLANKS. "S" SHALL BE A MINIMUM OF 2'.

A CERTIFICATE OF COMPLIANCE IS ALSO REQUIRED ON THE ABOVE.

CERTIFIED TEST REPORT	MATERIAL CERTIFICATE
LUMBER & POLES	
TREATMENT	

STANDARD SHEET
CONN. DEPT. OF TRANSPORTATION
TIMBER NOISE BARRIER WALL
TYPE 1

REVISIONS

NO.	DATE	DESCRIPTION
1		

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

NOT TO SCALE

916-A