

REICHHARDT & EBE ENGINEERING, INC.
CONSULTING ENGINEERS

TRANSMITTAL

TO: ALL BIDDERS	FROM: Luis Ponce, P.E.
COMPANY:	DATE: 9/2/11
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
PHONE NUMBER:	SENDER'S PHONE NUMBER: (360) 354-3687
RE: City of Ferndale Addendum 1	SENDER'S FAX NUMBER: (360) 354-0407

**SECOND AVENUE (SCHEDULE A) Federal Aid Number: STPE-0445(003); and
MALLOY AVENUE (SCHEDULE B) Federal Aid Number: STPE-8029(002)
SIDEWALK PROJECTS**

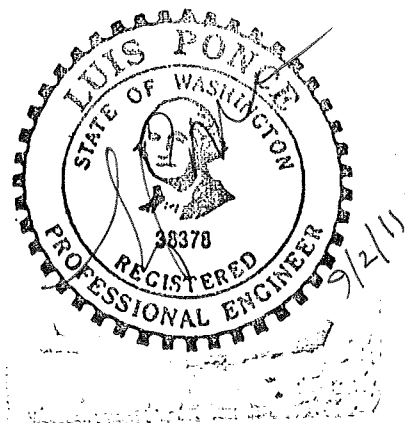
To the attention of all bidders for the above project:

Please find the enclosed Addendum No. 1 for the above referenced project.

The enclosed ADDENDUM is to be considered as much a part of the Contract Documents as if it were included in the body of the plans and specifications, and will be incorporated in and made a part of the contract when awarded and when formally executed.

The Bidder shall acknowledge in writing, on the bid form, this addendum in order to have the bid considered.

Luis Ponce, P.E.



423 FRONT STREET
LYNDEN, WASHINGTON 98264
360-354-3687

**REICHHARDT & EBE ENGINEERING, INC.
CONSULTING ENGINEERS**

TRANSMITTAL

Date sent: Friday, September 2, 2011
Sent to: All Plan Holders
Deliver to: Project Estimator
Transmission sent from: Reichhardt & Ebe Engineering
Number of pages including this page: _____

CONFIRMATION OF RECEIPT OF ADDENDUM

PROJECT: 2nd Ave (Schedule A) & Malloy Ave (Schedule B)
Sidewalk Projects

Please complete the following form and fax or email back to Reichhardt & Ebe Engineering, Inc. 360-354-0407 or sheutink@recivil.com & mkooy@recivil.com as soon as possible.

Have you received Addendum No. 1 for the above-mentioned project?

YES, we received Addendum No. 1

Signed: _____ Dated: _____

Company name (Please Print): _____

Please fax back to Reichhardt & Ebe Engineering, Inc. at 360-354-0407 or email back to sheutink@recivil.com & mkooy@recivil.com

ADDENDUM NO. 1
To the Contract Provisions for
City of Ferndale, Washington

**SECOND AVENUE (SCHEDULE A) Federal Aid Number: STPE-0445(003); and
MALLOY AVENUE (SCHEDULE B) Federal Aid Number: STPE-8029(002)
SIDEWALK PROJECTS**

ITEM 1

The Bid Proposal Form is replaced in its entirety with the attached **REVISED BID PROPOSAL FORM**. Only bids submitted on the **REVISED BID PROPOSAL FORM** will be considered responsive.

Bid Proposal Form, Schedule B, ITEM NO. 32, the quantity for 'Roadway Excavation Including Haul' has been increased.

Bid Proposal Form, Schedule B, ITEM NO. 32a, 'Embankment Compaction' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 34, the quantity for 'Gravel Base' has been increased.

Bid Proposal Form, Schedule B, ITEM NO. 35, the quantity for 'Crushed Surfacing Top Course' has been decreased.

Bid Proposal Form, Schedule B, ITEM NO. 36, the quantity for 'Commercial HMA' has been decreased.

Bid Proposal Form, Schedule B, ITEM NO. 37a, 'Underdrain Pipe 4 In. Diam.' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 37b, 'Solid Wall PVC Storm Sewer Pipe 4 In. Diam.' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 37c, 'Solid Locking Ring and Cover' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 38, 'Relocate Existing Hydrant' is revised to read 'Hydrant Assembly'.

Bid Proposal Form, Schedule B, ITEM NO. 41a, 'Seeded Lawn Installation' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 41b, 'Topsoil Type A' has been added to the Bid Proposal Form.

Bid Proposal Form, Schedule B, ITEM NO. 43, the quantity for ‘Cement Conc. Driveway Entrance Type 1’ has been increased.

Bid Proposal Form, Schedule B, ITEM NO. 44, the quantity for ‘Cement Conc. Sidewalk’ has been increased.

ITEM 2

Plan Sheets

The “Prop. Top of Slope” and “Prop. Toe of Slope” calls out are the maximum allowable slopes between the “Prop. Top of Slope” and “Prop. Toe of Slope” leaders noted on the Plans.

ITEM 3

Plan Sheets

“Slip Resistant Solid Lids” shown on the Plans shall be in accordance with WSDOT STANDARD PLAN B-30.20-01

ITEM 4

Plan Sheets

All Pavement Markings shall be “By Others”.

ITEM 5

Plan Sheets

“RELOCATE: EX HYDRANT” shown on the Plans shall be revised to read “Hydrant Assembly”.

ITEM 6

Plan Sheets

The call out “Adjust to FG” shall apply to all existing manholes, catch basins, inlets, water valve boxes, or water meter boxes whether they are called out or not on the Plans.

ITEM 7

Plan Sheet 16

The attached Plan Sheets 16 shall replace the Plan Sheets 16 dated 8-23-11. Grades were revised.

ITEM 8

Plan Sheet 18

The attached Plan Sheets 18 shall replace the Plan Sheets 18 dated 8-23-11. Details are revised and other details are added.

ITEM 9

DIVISION 1 GENERAL REQUIREMENTS

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.23(1) Construction Under Traffic (August 7, 2006)

Section 1-07.23(1) is supplemented with the following:

Lane closures are subject to the following restrictions:

***For Schedule B, No Lane Closures shall be allowed between Station 10+00 to Station 20+00 between the hours of 2:00 P.M. to 3:00 P.M., Monday through Friday. ***

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours.

No lane closures will be allowed on a holiday or holiday weekend, or after 12:00 PM (noon) on a day prior to a holiday or holiday weekend. Holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend.

ITEM 10

DIVISION 1 GENERAL REQUIREMENTS

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.9(1) General (April 2, 2007 WSDOT GSP)

Section 1-07.9(1) is supplemented with the following:

Application of Wage Rates for the Occupation of Landscape Construction

State prevailing wage rates for public works contracts are included in this contract and show a separate listing for the occupation:

Landscape Construction, which includes several different occupation descriptions such as: Irrigation and Landscape Plumbers, Irrigation and Landscape Power Equipment Operators, and Landscaping or Planting Laborers.

In addition, federal wage rates that are included in this contract may also include occupation descriptions in Federal Occupational groups for work also specifically identified with landscaping such as:

Laborers with the occupation description, Landscaping or Planting, or

Power Equipment Operators with the occupation description, Mulch Seeding Operator.

If Federal wage rates include one or more rates specified as applicable to landscaping work, then Federal wage rates for all occupation descriptions, specific or general, must be considered and compared with corresponding State wage rates. The higher wage rate, either State or Federal, becomes the minimum wage rate for the work performed in that occupation.

Contractors are responsible for determining the appropriate crafts necessary to perform the contract work. If a classification considered necessary for performance of the work is missing from the Federal Wage Determination applicable to the contract, the Contractor shall initiate a request for approval of a proposed wage and benefit rate. The Contractor shall prepare and submit Standard Form 1444, Request for Authorization of Additional Classification and Wage Rate available at <http://www.wdol.gov/docs/sf1444.pdf>, and submit the completed form to the Project Engineer's office. The presence of a classification wage on the Washington State Prevailing Wage Rates For Public Works Contracts does not exempt the use of form 1444 for the purpose of determining a federal classification wage rate.

ITEM 11

DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

Delete Division and replace with the following:

5-04.3 Construction Requirements *(February 25, 2008 R&E GSP)*

Section 5-04.3 is supplemented with the following:

All castings within paved areas shall be adjusted to finished grade after the final lift of and paid per Section 7-05.5.

5-04.3(5) Conditioning of Existing Surface

5-04.3(5)A Preparation Of Existing Surfaces

(February 25, 2008 R&E GSP)

Section 5-04.3(5)A is supplemented with the following:

Tack coat shall be uniformly applied to cover the face of the gutter and existing surfacing abutting the HMA with a thin film of residual asphalt free of streaks and bare spots.

5-04.3(7)A Mix Design

(March 10, 2010 APWA GSP)

Delete this section and replace it with the following;

1. **General.** Prior to the production of HMA, the Contractor shall determine a design aggregate structure and asphalt binder content in accordance with WSDOT Standard Operating Procedure 732. Once the design aggregate structure and asphalt binder content have been determined, the Contractor shall submit the HMA mix design on DOT form 350-042 demonstrating the design meets the requirements of Sections 9-03.8(2) and 9-03.8(6). HMA accepted by nonstatistical evaluation requires a mix design verification. For HMA accepted by commercial evaluation only the first page of DOT form 350-042 and the percent of asphalt binder is required. In no case shall the paving begin before the determination of anti-strip requirements has been made. Anti-strip requirements will be determined by:
 - a. Testing by WSDOT in accordance with TM 718.
 - b. Testing by Contractor in accordance with WSDOT TM 718.
 - c. Historical aggregate source ant-strip use provided by WDOT.

The mix design will be the initial Job Mix Formula (JMF) for the HMA being produced. Any additional adjustments to the JMF will require the approval of the Project Engineer and may be made per Section 9-03.8(7).

2. **Mix Design Verification.** Verification shall be accomplished by one of the following processes:
 - a. Submit samples to WSDOT State Materials Lab for WSDOT verification testing in accordance with WSDOT Standard Specifications.
 - b. The contracting agency will perform tests to verify the mix design in accordance with the Field Verification Testing Process.
 - c. Reference a mix design that has been previously verified by the Field Verification Testing Process or verified by WSDOT State Materials Lab on a previous project.

- d. Perform Field Verification Testing on a sample of HMA provided by the Contractor prior to paving.

Mix design verification is valid for one year from the date of verification. At the discretion of the Engineer, agencies may accept mix designs verified beyond the verification year with certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

3. **Field Verification Testing Process.** The Contracting agency will collect three Production Samples of HMA on the first day of paving per AASHTO T 168 sampling procedures.
 - a. The Contracting agency will test one Production Sample in accordance with section 5-04.3(8)A for field verification per the requirements of Section 9-03.8(7).
 - b. If the test results from the first Production Sample are within the tolerances of section 9-03.8(7), the mix design will be considered verified and the test results will be used as acceptance sample number one.
 - c. If the test results from the first Production Sample are outside the tolerances of section 9-03.8(7), the other two samples will be tested and the results of all three tests will be used for acceptance in accordance with Section 5-04.5(1) and will be used in the calculation of the CPF the maximum CPF shall be 1.00.
4. Prior to the first day of paving, six Ignition Furnace Calibration Samples shall be obtained to calibrate the Ignition Furnaces used for acceptance testing of the HMA. Calibration samples shall be provided by the Contractor when directed by the Engineer. Calibration samples shall be prepared in accordance with WSDOT SOP 728.

5-04.3(8)A1, General

(March 10, 2010 APWA GSP)

Delete these sections and replace them with the following:

Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the contract documents.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. Commercial HMA can be accepted by a contractor certification letter stating the material meets the HMA requirements defined in the contract.

5-04.3(8)A4, Definition of Sampling Lot and Sublot

(March 10, 2010 APWA GSP)

Delete this section and replace it with the following:

For the purpose of acceptance sampling and testing, a lot is defined as the total quantity of material or work produced for each job mix formula (JMF) placed. Only one lot per mix design will be expected to occur. The initial JMF is defined in Section 5-04.3(7)A Mix Design. The Contractor may request a change in the JMF in accordance with Section 9-03.8(7). If the request is approved, all of the material produced up to the time of the change will be evaluated on the basis of tests on samples taken from that material and a new lot will begin.

For proposal quantities less than 2500 tons sampling and testing for evaluation shall be performed as described in 5-04.3(7)A, item 3, Field Verification Testing Process. The verification sample referenced in item 3b may be used as an acceptance sample, additional testing will be at the discretion of the Engineer. When using a previously verified mix design, testing for volumetric properties may be waived at the engineer's discretion. At least one acceptance sample is required when using this method of acceptance.

For proposal quantities greater than 2500 tons sampling and testing for evaluation shall be performed as described in 5-04.3(7)A, item 3, Field Verification Testing Process, for the first 2500 tons of mix placed. The verification sample referenced in item 3b may be used as an acceptance sample for the first 2500 tons of mix placed. Additional testing will be at the rate of one sample per 800 tons of mix placed or as directed by the Engineer. When using a previously verified mix design, testing for volumetric properties may be waived at the engineer's discretion.

5-04.3(8)A5, Test Results

(March 10, 2010 APWA GSP)

Delete this section and replace it with the following:

The Engineer will furnish the Contractor with a copy of the results of all acceptance testing performed in the field at the beginning of the next paving shift. The Engineer will also provide the Composite Pay Factor (CPF) of the completed sublots after three sublots have been produced. The CPF will be provided by the midpoint of the next paving shift after sampling. Sublot sample test results (gradation and asphalt binder content) may be challenged by the Contractor. For HMA mixture accepted by statistical evaluation with a mix design that did not meet the verification tolerances, the test results in the test section including the percent air voids (Va) may be challenged. To challenge test results, the Contractor shall submit a written challenge within 7-calendar days after receipt of the specific test results. A split of the original acceptance sample will be sent for testing to either the Region Materials Laboratory or the State Materials Laboratory as determined by the Project Engineer. The split of the sample with challenged results will not be tested with the same equipment or by the same tester that ran the original acceptance test. The challenge sample will be tested for a complete gradation analysis and for asphalt binder content. The results of the challenge sample will be compared to the original results of the acceptance sample test and evaluated according to the following criteria:

Deviation

U.S. No. 4 sieve and larger Percent passing ±4.0

U.S. No. 8 sieve Percent passing ±2.0

U.S. No. 200 sieve Percent passing ±0.4

Asphalt binder Percent binder content ±0.3

Va Percent Va ±0.7

If the results of the challenge sample testing are within the allowable deviation established above for each parameter, the acceptance sample test results will be used for acceptance of the HMA. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of \$250 per challenge sample. If the results of the challenge sample testing are outside of any one parameter established above, the challenge sample will be used for acceptance of the HMA and the cost of testing will be the Contracting Agency’s responsibility.

5-04.3(8)A7 Test Section – HMA Mixtures

(March 10, 2010 APWA GSP)

Delete this section.

5-04.5(1)A Price Adjustments for Quality of HMA Mixture

(March 10, 2010 APWA GSP)

Delete the first paragraph and table and replaced them with the following:

Statistical analysis of quality of gradation and asphalt content will be performed based on Section 1-06.2 using the following price adjustment factors:

Table of Price Adjustment Factors

Constituent	Factor “f”
All aggregate passing: 1 ½”, 1”, ¾”, ½”, 3/8” and No. 4 sieves	2
All aggregate passing No. 8	15
All aggregate passing No. 200 sieve	20
Asphalt binder	52

Delete items 1-3 in Paragraph two and replaced with the following:

A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class of HMA and for the asphalt binder.

- 1. Nonstatistical Evaluation.** Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit contract price with no further evaluation. When one or more constituents fall outside the nonstatistical acceptance tolerance limits in Section 9-

03.8(7), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

2. **Commercial Evaluation.** If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit contract price with no further evaluation. When one or more constituents fall outside the commercial acceptance tolerance limits in Section 9-03.8(7), the lot shall be evaluated to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA produced under Nonstatistical or Commercial Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit contract price per ton of the mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the composite pay factor.

5-04.5(1)B Price Adjustments for Quality of HMA Compaction
(March 10, 2010 APWA GSP)

Delete this section and replace it with the following:

The maximum CPF of a compaction lot is 1.00

For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot in tons and the unit contract price per ton of the mix.

ITEM 12

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-01.4 Measurement

The following is added to page 240, line 23

12. Construction geosynthetic

ITEM 13

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-05.4 Measurement

Section 7-05.4 is supplemented with the following:

Solid Locking Ring and Cover or Frame and Lid for existing manholes and catchbasins will be measured by the unit for each assembly installed.

7-05.5 Payment

Section 7-05.5 is supplemented with the following:

“Solid Locking Ring and Cover”, per each

ITEM 14

DIVISION 7

DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

Section 7-14 is replaced with the following:

7-14 HYDRANTS

7-14.1 Description

Section 7-14.1 is supplemented with the following:

This work includes the installation of Blue Raised Pavement Markers on the roadway centerline adjacent to all hydrants.

7-14.2 Materials

Section 7-14.2 is supplemented with the following:

The City of Ferndale Standard Fire Hydrants are "IOWA" or "M&H model 929". The pumper port shall be oriented to face the main road.

Fire hydrants shall be painted City colors with two coats of Urethane paint, applied per the paint manufacturer's specifications.

A blue reflector, installed 1 foot off the road centerline towards the hydrant shall be included in the bid item.

All labor, equipment, and materials necessary to connect fire hydrants shall be incidental to the unit bid prices. Materials include, but are not limited to: gate valves, fittings, spool fittings, restraints, and thrust blocks."

7-14.5 Payment

Section 7-14.5 is supplemented with the following:

The unit contract price per each for "Hydrant Assembly" shall be full compensation for all costs for labor, material, and equipment to install spool fittings, restraints, thrust blocks, auxiliary gate valve, shackles, tie rods, concrete blocks, painting required for the complete installation of the hydrant assembly as specified, lateral tee and 6" ductile iron watermain to hydrant, hydrant, and blue raised pavement marker.

ITEM 15

DIVISION 8

MISCELLANEOUS CONSTRUCTION

8-02 ROADSIDE PLANTING

8-02.1 Description

Section 8-02.1 is supplemented with the following:

Furnish all labor, materials and equipment necessary for installation of planting and installation of topsoil and soil amendments, including but not limited to the preparation of the ground surface, installation of soil amendments, application of fertilizer, installation of seed, and chemicals as necessary in areas shown on the plans or as directed by the Engineer in accordance with these specifications.

The extent and location of seeding work includes all areas in this project , except new plant beds and paved areas, which are disturbed by construction, grading, pavement removal, utility installation and any other of the Contractor's operations or as directed by the Engineer in accordance with these specifications.

8-02.3 Construction Requirements

8-02.3(4) Topsoil

Section 8-02.3, revise the 1st sentence of this Section to read:

Topsoil shall be evenly spread over the specified areas to a depth of four (4) inches or as otherwise directed by the Engineer. Spread topsoil after subgrade preparation is complete. Do not spread topsoil when the subgrade soil and/or topsoil are frozen or excessively wet or dry.

8-02.3(4)A Topsoil Type A

Section 8-02.3(4)A is supplemented with the following:

Topsoil Type A shall be used for seeded lawn installation.

8-02.3(8) Planting

Section 8-02.3(8), add to item 1 under sentence 2 of this Section:

Unless determined otherwise by a qualified horticulturist, and approved by the Engineer.

8-02.3(11) Mulching

Section 8-02.3(11) is supplemented with the following:

Wood Cellulose mulch shall be applied at a rate of 2,000 pounds per acre. To improve germination of seeds, this rate may be increased with approval by the Engineer

8-02.3(16) Lawn Installation

Section 8-02.3(16) is supplemented with the following:

The Contractor shall perform lawn installation in accordance with the following: Immediately prior to seeded lawn installation, a nominal four (4) inch depth of "Topsoil Type A" shall be placed in the areas requiring seeded lawn installation or as directed by the Engineer. Peat moss mulch shall be applied to a depth of 1/4 inch over newly seeded lawn area. The area shall then be rolled with a landscape roller in at least 1 direction at a velocity not to exceed 2 feet per second. Alternatively, a seed of fabric mulch mat shall be installed as approved by the Engineer.

“Seeded Lawn Installation” will be paid where construction, filling excavation, and grading have disturbed unimproved areas. This will generally consist of areas behind the sidewalk where no established lawns or landscaping currently exist. “Seeded Lawn Installation” shall be placed on all exposed soil disturbed by construction or any area directed by Engineer. “Seeded Lawn Installation” shall also be placed on all fill and cut areas outside roadway surface width, within the project limits.

The intent of seeding is to produce viable roadside vegetation toward the end of preventing erosion. If seeding has not germinated satisfactorily at the time of final acceptance, this work will be considered defective according to Section 1-05.7 of the Standard Specifications. The Engineer may require the Contractor to post security equal to 200% of the amount bid for

seeding in order to secure performance of this germination specification. This security shall be in a form acceptable to the City and may be required prior to release of retainage of this project. Said security shall not be released until satisfactory germination has occurred. Any erosion, which in the opinion of the Engineer, occurs directly as a result of insufficient seed germination shall be repaired by the Contractor at no additional expense to the City. Any such repairs shall be completed prior to project acceptance or release of security as identified herein. Satisfactory germination is defined as a minimum of 300 stems per square foot. Any area in which two consecutive one square foot plots sampled fall below this standard will be considered defective and shall be corrected by the Contractor."

The dates for seeding outlined in Section 8-02.3(16)A of the Standard Specifications will be considered guidelines rather than requirements for this item. The Contractor shall use professional judgment and consider factors such as weather and soil moisture to obtain satisfactory germination."

Immediately after hydroseeding, the Contractor shall remove hydroseed overspray from all features other than the intended seeding area."

Binding Agents

Tacking agents and soil binders shall be provided in accordance with Section 8-01.3(2)E.

8-02.4 Measurement

Section 8-02.4 is supplemented with the following:

No separate measurement will be made for fertilizer, mulch, soil amendments, binding agents, or water where applied for "Seeded Lawn Installation".

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

The unit contract price per square yard for "Seeded Lawn Installation" shall be full compensation for all labor, materials (fertilizer, mulch, soil amendments, binding agents, and water), tools and equipment necessary to perform the work as specified herein. All other items in this Section, not specified on the Bid Proposal form shall be included in the cost of "Seeded Lawn Installation". The unit price shall be full compensation for multiple applications in areas required by the Engineer as the work progresses.

ITEM 16

DIVISION 8 MISCELLANEOUS CONSTRUCTION

8-18 MAILBOX SUPPORT

8-18.3 Construction Requirements

Section 8-18.3 is supplemented with the following:

The contractor shall salvage existing mailboxes and mailbox supports. The contractor shall maintain temporary mailboxes and mailbox supports as necessary during construction to ensure that mail delivery is uninterrupted during the duration of the project. Coordination with the United States Postal Service and the property owner or tenant will be the responsibility of the Contractor.

8-18.5 Payment

Section 8-18.5 is supplemented with the following:

All costs for temporary mailboxes, temporary mailbox supports and salvage and relocation of existing mailboxes shall be included in and incidental to the various bid items.

ITEM 17

DIVISION 9 MATERIALS

9-03 AGGREGATES

9-03.8 Aggregates for Hot Mix Asphalt

9-03.8(2) HMA Test Requirements *(March 10, 2010 APWA GSP)*

Section 9-03.8(2) is supplemented with the following:

ESAL's

The number of ESAL's for the design and acceptance of the HMA shall be 1 million.

9-03.8(7) HMA Tolerances and Adjustments *(March 10, 2010 APWA GSP)*

Delete Item 1 and replace it with the following:

1. **Job Mix Formula Tolerances.** After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	Nonstatistical Evaluation	Commercial Evaluation
Aggregate, percent passing		
1", ¾", ½", and 3/8" sieves	±6%	±8%
U.S. No. 4 sieve	±6%	±8%
U.S. No. 8 sieve	±6%	±8%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%

These tolerance limits constitute the allowable limits as described in Section 1-06.2. The tolerance limit for aggregate shall not exceed the limits of the control points section, except the tolerance limits for sieves designated as 100% passing will be 99-100. The tolerance limits on sieves shall only apply to sieves with control points.

9-03.10 Aggregate for Gravel Base
(December 28, 2009 R&E GSP)

Section 9-03.10 is revised to read:

Gravel base shall consist of granular material, either naturally occurring or processed. It shall be essentially free from various types of wood waste or other extraneous or objectionable materials. It shall have such characteristics of size and shape that it will compact readily and shall meet the following requirements.

Stabilometer "R" Value	72 min.
Swell pressure	0.3 psi max.

The maximum particle size shall not exceed ½ of the depth of the layer being placed. Gravel base shall meet the following requirements for grading and quality when placed in hauling vehicles for delivery to the roadway or during manufacture and placement into a temporary stockpile. The exact point of acceptance will be determined by the Engineer.

<u>Sieve Size</u>	<u>Percent Passing</u>
4" square	100
1-1/2" square	70-100
1/2" square	35-80
U.S. No. 4	15-50
U.S. No. 40	20 max
U.S. No. 200	5.0 max

Sand Equivalent shall be 40 min.

All percentages are by weight.

Gravel base material retained on a No. 4 sieve shall contain not more than 0.20 percent by weight of wood waste.

9-14.1(1) Topsoil Type A

General: Topsoil shall be free draining, fertile, friable sandy loam, and shall supply the following composition requirements: weed and seed free; pH between 5.5 and 7.5; maximum particle size to 1/2 inch, with 97% to 100% passing the 3/8 inch screen; soluble salts shall not exceed 4.0 mmho/cm; free of clay lumps, litter and toxic matter harmful to plant growth. Components shall conform to the requirements indicated. Percentages below are by volume. Mixing of the soil components shall not occur on site.

	Sand	Compost	Sandy Loam
Topsoil for turf, rough grass and plant bed areas	34%	33%	33%

Top Sand: Conform to the following analysis using Tyler Standard Screens - Equivalent U.S. Series Number:

Sieve Size	Percent Passing by Weight
#4	100%
#10	95-100%
#16	85-100%
#30	75-90%
#60	15-30%
#100	0-5%
#200 (wet sieve)	0-1.5%

Composted Mulch: Material shall be derived from aerobic decomposition of recycled plant waste fully composted; material shall be composted on a paved surface and shall have a moisture content of between 20% and 40%; no visible free water or dust shall be produced when handling the material; fresh sawdust or fresh wood by products shall not have been added after the composting process has begun. No recycled sanican waste shall be used. Yard waste shall be from permitted composting facility. Pure organic matter content shall be between 30% and 50% by weight. 100% of composted yard waste shall pass the 7/16 inch screen and a minimum 50% shall pass the 1/4" screen. Material shall be maintained at a 15% oxygen level throughout the composting process.

Sandy Loam: Shall be derived from the "A" horizon of naturally occurring, free draining, friable soils. Soils with a high clay content will be rejected. Submit separate sample for approval prior to mixing.

9-14.2 Seed

Section 9-14.2 is supplemented with the following:

Grass seed for Seeded Lawn Installation shall be a blended seed mixture of non-leafy grasses of a commercial grade for home lawn use. The composition, proportion, and quality shall be subject to the advance approval of the Engineer. Grass seed mixtures for playgrounds, pastures, roadside seeding, or other non-residential use shall not be allowed. The approved grass seed mixture shall be applied to the rate of five pounds per 1,000 square feet.

9-14.3 Fertilizer

Section 9-14.3 is supplemented with the following:

The Contractor shall supply a commercially available starter fertilizer designed by the manufacturer for use in new lawn installation applications. The fertilizer formula and application rate shall provide the following types and amounts of nutrients at a minimum:

Total Nitrogen as N - One pound per thousand square feet

Available Phosphoric Acid as P₂O₅ - One pound per thousand square feet

Soluble Potash as K₂O - One pound per thousand square feet.

50-60 percent of the total nitrogen shall be derived from ureaform or ureformaldehyde. The remainder may be derived from any source.

BID PROPOSAL FORM
City of Ferndale
Second Avenue (Schedule A) and Malloy Avenue (Schedule B) Sidewalk Projects
ADDENDUM No. 1

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
----------	------------------	------	------------	-------

Schedule A
Second Avenue Sidewalk Project

1	1 LS	Mobilization 1-09	\$	\$
			LS	
2	1 FA	Minor Changes 1-04		\$ 6,000.00
			FA	
3	1 LS	SPCC Plan 1-07	\$	\$
			LS	
4	1 LS	Project Temporary Traffic Control 1-10	\$	\$
			LS	
5	1 LS	Clearing and Grubbing 2-01	\$	\$
			LS	
6	200 LF-IN	Saw-Cut PCC 2-02	\$	\$
			LF-IN	
7	1 LS	Removal of Structures and Obstructions 2-02	\$	\$
			LS	
8	60 CY	Roadway Excavation Including Haul 2-03	\$	\$
			CY	
9	140 Ton	Gravel Base 4-02	\$	\$
			Ton	
10	200 LF	Underdrain Pipe 4 In. Diam. 7-01	\$	\$
			LF	
11	50 LF	Solid Wall PVC Storm Sewer Pipe 4 In. Diam. 7-04	\$	\$
			LF	

BID PROPOSAL FORM
City of Ferndale
Second Avenue (Schedule A) and Malloy Avenue (Schedule B) Sidewalk Projects
ADDENDUM No. 1

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
12	1 LS	ESC Lead 8-01	\$	\$
			LS	
13	12 EA	Inlet Protection 8-01	\$	\$
			EA	
14	145 LF	Silt Fence 8-01	\$	\$
			LF	
15	1 FA	Erosion/Water Pollution Control 8-01		\$ 1,000.00
			FA	
16	20 LF	Cement Conc. Traffic Curb and Gutter 8-04	\$	\$
			LF	
17	34 SY	Cement Conc. Driveway Entrance 8-06	\$	\$
			SY	
18	350 SY	Cement Conc. Sidewalk 8-14	\$	\$
			SY	
19	1 EA	Cement Conc. Curb Ramp Type Parallel B 8-14	\$	\$
			EA	
20	1 EA	Cement Conc. Curb Ramp Type Perpendicular A 8-14	\$	\$
			EA	
21	2 EA	Pothole Existing Underground Utility 8-30	\$	\$
			EA	
22	2 EA	Bollard Type 3 8-32	\$	\$
			EA	
23	1 FA	Repair Existing Public and Private Facilities 8-31		\$ 1,000.00
			FA	

Total Schedule A \$ _____

BID PROPOSAL FORM
City of Ferndale
Second Avenue (Schedule A) and Malloy Avenue (Schedule B) Sidewalk Projects
ADDENDUM No. 1

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
----------	------------------	------	------------	-------

Schedule B
Malloy Avenue Sidewalk Project

24	1 LS	Mobilization 1-09.7	\$	\$
			LS	
25	1 FA	Minor Changes 1-04		\$ 2,000.00
			FA	
26	1 LS	SPCC Plan 1-07.15	\$	\$
			LS	
27	1 LS	Project Temporary Traffic Control 1-10	\$	\$
			LS	
28	1 LS	Clearing and Grubbing 2-01	\$	\$
			LS	
29	1 LS	Removal of Structures and Obstructions 2-02	\$	\$
			LS	
30	4,000 LF-IN	Sawcut ACP 2-02	\$	\$
			LF-IN	
31	2,350 LF-IN	Sawcut PCC 2-02	\$	\$
			LF-IN	
32	850 CY	Roadway Excavation Including Haul 2-03	\$	\$
			CY	
32a	230 CY	Embankment Compaction 2-03	\$	\$
			CY	
33	50 M.GAL	Water 2-07	\$	\$
			M.GAL	

BID PROPOSAL FORM
City of Ferndale
Second Avenue (Schedule A) and Malloy Avenue (Schedule B) Sidewalk Projects
ADDENDUM No. 1

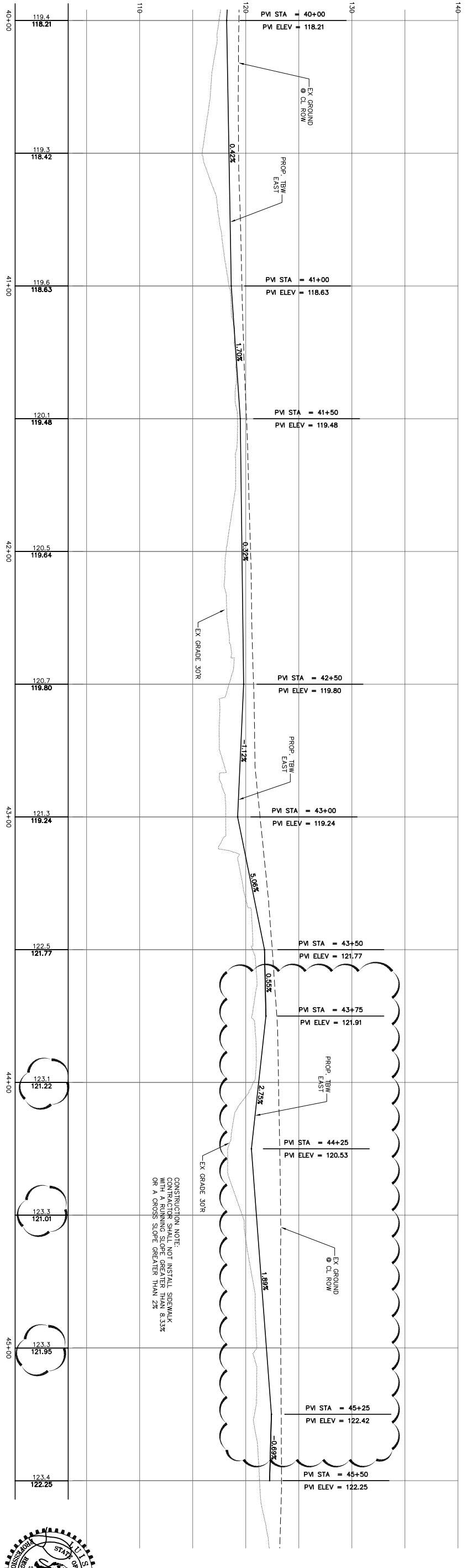
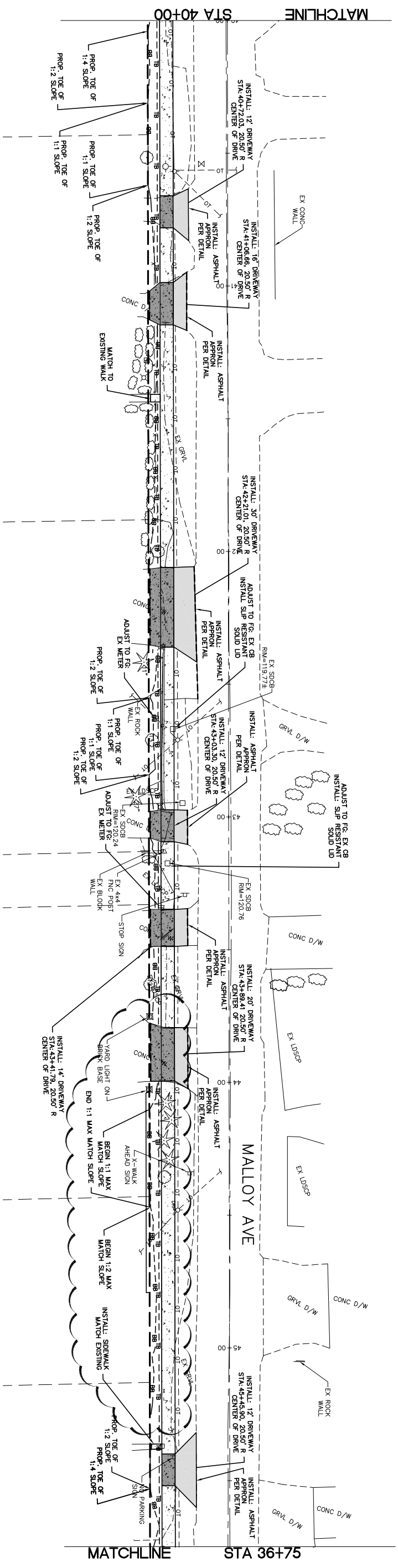
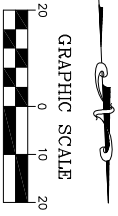
ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
34	1,300 TON	Gravel Base 4-02	\$	\$
			TON	
35	70 TON	Crushed Surfacing Top Course 4-04	\$	\$
			TON	
36	80 TON	Commercial HMA 5-04	\$	\$
			TON	
37	1 LS	Adjustments to Finish Grade 7-05	\$	\$
			LS	
37a	50 LF	Underdrain Pipe 4 In. Diam. 7-01	\$	
			LF	
37b	5 LF	Solid Wall PVC Storm Sewer Pipe 4 In. Diam. 7-04	\$	\$
			LF	
37c	3 EA	Solid Locking Ring and Cover	\$	\$
			EA	
38	2 EA	Hydrant Assembly 7-14	\$	\$
			EA	
39	1 LS	ESC Lead 8-01	\$	\$
			LS	
40	28 EA	Inlet Protection 8-01	\$	\$
			EA	
41	1 FA	Erosion/Water Pollution Control 8-01	\$	\$ 1,500.00
			FA	
41a	3,400 SY	Seeded Lawn Installation 8-02	\$	\$
			SY	

BID PROPOSAL FORM
City of Ferndale
Second Avenue (Schedule A) and Malloy Avenue (Schedule B) Sidewalk Projects
ADDENDUM No. 1

ITEM NO.	APPROX. QUANTITY	ITEM	UNIT PRICE	TOTAL
41b	300 CY	Topsoil Type A 8-02	\$	\$
			CY	
42	70 LF	Cement Conc. Traffic Curb and Gutter 8-04	\$	\$
			LF	
43	505 SY	Cement Conc. Driveway Entrance Type 1 8-06	\$	\$
			SY	
44	1,900 SY	Cement Conc. Sidewalk 8-14	\$	\$
			SY	
45	2 EA	Cement Conc. Curb Ramp Type Parallel A 8-14	\$	\$
			EA	
46	2 EA	Cement Conc. Curb Ramp Type Parallel B 8-14	\$	\$
			EA	
47	6 EA	Cement Conc. Curb Ramp Type Single Direction A 8-14	\$	\$
			EA	
48	1 FA	Repair Existing Public and Private Facilities 8-31	\$	\$ 5,000.00
			FA	

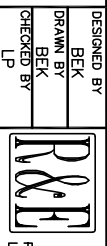
Total Schedule B \$ _____

Project Total Schedule A & B \$ _____



CONSTRUCTION NOTE:
DO NOT INSTALL SIDEWALK WITH A RUNNING SLOPE GREATER THAN 8.33% OR A CROSS SLOPE GREATER THAN 2%.

BID SET
ADDENDUM 1



DESIGNED BY: BEK
DRAWN BY: BEK
CHECKED BY: LP

REICHHARDT & EBE
ENGINEERING, INC.
CONSULTING ENGINEERS
PO Box 978 423 Front St., Ste 201
Lynden, Washington 98264
Ph (360) 354-3887
Fax (360) 354-0407

NO.	DATE
1	9/2

ADDENDUM 1
REVISION

CITY OF FENDALE
2095 MAIN STREET
FENDALE, WA 98248

SECOND AND MALLOY SIDEWALK PROJECTS
MALLOY AVENUE (SCHEDULE B)
SIDEWALK PLAN AND PROFILE

JOB# 7 DWG
SCALE: 1:1010
H: 1" = 20' V: 1" = 5'

DATE: 8/23/11
SHEET: 16 of 18

