



Paul R. LePage  
GOVERNOR

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0016

March 15, 2011  
Subject: **Livermore Falls & Jay**  
Federal Project No: NH-1001(800)X  
State PIN: 010018.00  
**Amendment No. 2**

David Bernhardt  
COMMISSIONER

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (page 136) **REMOVE** "SPECIAL PROVISION, SECTION 636, Retaining Wall Steps" 1 page dated February 15, 2011 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 636, Retaining Wall Steps" 1 page dated March 10, 2011.

In the Plans, SHEET NUMBER 2 OF 148, **ADD** the following note to the notes in the upper right corner in pen and ink;

**"5. Item # 304.09 Aggregate Base, Course - Crushed shall be Type B & Item # 304.10 Aggregate Subbase Course - Gravel shall be Type D."**

The following questions have been received:

**Question:** Item 202.11 Remove Portland Cement Concrete Pavement; where does the MODT intend to use this item, we cannot find any notes or specials for this item?

**Response:** There are some areas of concrete pavement under sidewalk sections particularly in and around Mill Street and there may be other isolated areas as well.

**Question:** Will the Contractor be required to test new sewer lines/manholes/services?

**Response:** Please see Supplemental Bidding and Contract Requirements and Specifications for Utility Work, Section 02755 – Final Sewer Testing.

**Question:** Are the required labor rates for the sewer and water work different from the highway work?

**Response:** One wage schedule for the entire contract



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**Question:** The “Description of Pay Items” state that the payment for the 6-inch DI pipe and 6-inch Gate Valves associated with the hydrants will be paid for by items 822.33 and 823.331 respectively. The quantity for the 6-inch Gate Valves is incorrect.

**Response:** Please see revised schedule of items (in amendment # 1).

**Question:** How is the pavement associated with the water/sewer work outside of the limits of the highway project paid for?

**Response:** Please see Supplemental Bidding and Contract Requirements and Specifications for Utility Work, Section 01010A, Part 1.9 Special Conditions, J.

**Question:** If the water/sewer work is completed ahead of the highway work what is required for temporary pavement and how is it paid for?

**Response:** Please see Maine DOT Standard Specification, Section 105.4.1 – Maintenance During Construction.

**Question:** The stair units from Redi-Scapes only come in one size 6” tall x 14” deep x 46” wide. The stairways are more than 46” wide. How do you want to address this? The suggestion is to field cut the ends and have a smooth joint butted together.

**Response:** Please see revised Special Provision 636 Retaining Wall Steps.

**Question:** Will the Contractor be required to follow the phasing plan as listed on page C15 of the plan?

**Response:** Any modification to the phasing plan on Project Plan Sheet C – 15 shall be reviewed and approved by the Water District, its engineer and the Maine DOT.

**Question:** Does Livermore Falls or Jay have any regulations regarding night work?

**Response:** The Town of Jay and Livermore Falls do not have regulations regarding night work; however any night work proposed shall be reviewed and approved by the Maine DOT prior to any night work being performed and shall be in conformance with Maine DOT Specifications, Section 107.3.2 Night Work and Section 652 Maintenance of Traffic.

**Question:** What material is the existing sewer main?

**Response:** Existing sewer materials vary and include vitrified clay, asbestos cement, cement, plastic, cast iron, ductile iron, orangeburg or other materials.

**Question:** Item 202.191, Remove Existing Pipe – If additional pipes not shown in the plans are required to be removed, how will payment be made?

**Response:** Please see new schedule of items and refer to Maine DOT Specification Section 603 – Pipe Culverts and Storm Drains, Basis of Payment, 6<sup>th</sup> paragraph.

**Question:** The telephone duct bank is not shown as continuous throughout the project. Is this the case?

**Response:** Upon discussions with Fairpoint Communications it is our understanding that there is a 9 duct concrete encased formation containing 2 copper and 1 fiber optics cables beginning at Sta. 40+040+/- and running down station to Union Street. Also it is our understanding that there is a buried cable coming down Jewell Street and turns up station towards Jay that is not in service (dead). Contractors should be reminded that all Utility coordination shall be consistent with Maine DOT Special Provision Section 104 Utilities and Bidding & Contract Requirements & Specifications for Utility Work – Section 10101A – Summary of Work.

**Question:** Regarding the duct banks, how many conduits per duct, are the conduits PVC, are they concrete encased and is there any fiber optic cable in the ducts?

**Response:** See the above response.

**Question:** What material is the existing water main?

**Response:** Existing sewer materials vary and include vitrified clay, asbestos cement, cement, plastic, cast iron, ductile iron, orangeburg or other materials.

**Question:** Page 17 and 22 of the plans show several MH and Catch Basins being cored to accept drainage pipe, how will this be paid?

**Response:** See Plan Sheet 8 General Note # 44.

**Question:** What is bid item 518.60 Repair of Upward Facing Surfaces to be used for?

**Response:** Patch Existing Retaining Wall as identified on Plan Sheet # 22 (Sta. 11+020+/- (RT) Jewell St.) & Plan Sheet # 25 (Sta. 41+343+/- (RT)).

**Question:** Is the construction of the public parking lot part of this project? If so could the Department provide details and plan to address?

**Response:** Yes, please see Plan Sheet # 38 & Plan Sheet 8 General Note # 42 for grading plan and gravel/pavement build up information.

**Question:** Page 247 Item 803.135 basis of payment states that capping service connection and marking location. How will this connection to existing house services at edge of right of way be paid? How will service to house remain in operation once the lateral is capped?

**Response:** Please see Supplemental Bidding & Contract Requirements & Specifications for Utility Work, Item # 803.35 Furnish & Install 150 mm Sanitary Sewer Laterals, B. Basis of Payment. Further, it is the contractor's responsibility to coordinate service operation and capping procedures with the appropriate Town's District representatives and its engineer (see Section 01010A, Part 3 – Execution & Section 01050 Coordination).

**Question:** The utilizes improvement plan, pages C4 – C14 do not indicate any sewer laterals and states in note #2 “all sewer service connections to be field located and replaced from the main to the right of way”. The existing placement of sewer services will greatly affect the production of water and sewer main installation. Does the Department have any information on the existing locations of services? How will locating the existing sewer services be paid?

**Response:** No, however the appropriate Town's District representatives will work with the Contractor on locating services, including marking of known services and working with the customers within the Project area to determine where services are when service locations are not clearly defined. Also, see Section 01150 Measurement and Payment, Part 1.8 Incidental Work.

**Question:** Items 304.09 and 304.10 are not shown on typical sections of the plans or on the plans anywhere. Nothing in the Special provisions are listed. We went to the Standard Specs. – for aggregate base – crushed either A or B can be used with the Note #2 that type will be designated on plans. Please advise to type of 304.09 and 304.10 gravel for the project.

**Response:** Please see the above pen and ink change.

**Question:** Can DOT provide a spec for item 202.191 and clarify what is included in this item?

**Response:** Please see new schedule of items and refer to Maine DOT Specification Section 603 – Pipe Culverts and Storm Drains, Basis of Payment, 6<sup>th</sup> paragraph.

**Question:** What is the location and structure where item 518.60 – Repair of Verticle Surfaces, is anticipated to be used?

**Response:** Patch Existing Retaining Wall as identified on Plan Sheet # 22 (Sta. 11+020+/- (RT) Jewell St.) & Plan Sheet # 25 (Sta. 41+343+/- (RT)).

**Question:** Reference Water and Sewer Specs: Multiple references suggest the Contractor is to obtain and pay for permits, fees and bonds. Could a list of the required permits, fees and bonds be pervaded rebid?

**Response:** Contractors must contact the appropriate Town District representative to determine specific requirements for necessary /required permits, fees, bonds, etc. for sewer and water related work.

Consider these changes and information prior to submitting your bid on March 16, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Bickford".

Scott Bickford  
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 010018.00

PROJECT(S): NH-1001(800)E

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS						
0010	201.11 CLEARING	0.100 HA				
0020	201.23 REMOVING SINGLE TREE TOP ONLY	10.000 EA				
0030	201.24 REMOVING STUMP	10.000 EA				
0040	202.08 REMOVING BUILDING NO.: 1	LUMP	LUMP			
0050	202.08 REMOVING BUILDING NO.: 2	LUMP	LUMP			
0060	202.11 REMOVING PORTLAND CEMENT CONCRETE PAVEMENT	50.000 M2				
0070	202.15 REMOVING MANHOLE OR CATCH BASIN	35.000 EA				
0080	203.20 COMMON EXCAVATION	24910.000 M3				
0090	203.21 ROCK EXCAVATION	500.000 M3				
0100	203.213 SHATTER SOLID ROCK SUBGRADE	1000.000 M2				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	203.214 EXPLORATORY DRILLING	100.000 M				
0120	203.2312 HEALTH AND SAFETY PLAN	LUMP	LUMP			
0130	203.2333 DISPOSAL OF SPECIAL EXCAVATION	1460.000 MG				
0140	203.26 GRAVEL BORROW	100.000 M3				
0150	206.061 STRUCTURAL EARTH EXCAVATION - DRAINAGE AND MINOR STRUCTURES, BELOW GRADE	430.000 M3				
0160	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	400.000 M3				
0170	304.09 AGGREGATE BASE COURSE - CRUSHED	4960.000 M3				
0180	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	12030.000 M3				
0190	403.207 HOT MIX ASPHALT 19.0 MM NOMINAL MAX SIZE	8370.000 MG				
0200	403.208 HOT MIX ASPHALT 12.5 MM, SURFACE	3080.000 MG				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	1750.000 MG				
0220	409.15 BITUMINOUS TACK COAT APPLIED	3800.000 L				
0230	518.60 REPAIR OF VERTICAL SURFACES < 200 MM	40.000 M2				
0240	525.326 FIELD STONE RETAINING WALL	25.000 M2				
0250	603.155 300 MM RCP CLASS III	294.000 M				
0260	603.165 375 MM RCP CLASS III	107.000 M				
0270	603.175 450 MM RCP CLASS III	236.000 M				
0280	603.195 600 MM RCP CLASS III	115.000 M				
0290	603.205 750 MM REINFORCED CONCRETE PIPE CLASS III	147.000 M				
0300	603.215 900 MM REINFORCED CONCRETE PIPE CLASS III	82.000 M				
0310	604.072 CATCH BASIN TYPE A1-C	61.000 EA				



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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0320	604.077 1800MM CATCH BASIN TYPE A1-C	5.000 EA				
0330	604.092 CATCH BASIN TYPE B1-C	21.000 EA				
0340	604.096 1500 MM CATCH BASIN TYPE B1-C	4.000 EA				
0350	604.15 MANHOLE	10.000 EA				
0360	604.153 1500 MM MANHOLE	2.000 EA				
0370	604.154 1800 MM MANHOLE	1.000 EA				
0380	604.16 ALTERING CATCH BASIN TO MANHOLES	1.000 EA				
0390	604.246 CATCH BASIN TYPE F5	2.000 EA				
0400	604.248 CATCH BASIN TYPE F6	1.000 EA				
0410	605.09 150 MM UNDERDRAIN TYPE B	941.000 M				
0420	605.11 300 MM UNDERDRAIN TYPE C	876.000 M				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	605.12 375 MM UNDERDRAIN TYPE C	M 270.000				
0440	605.13 450 MM UNDERDRAIN TYPE C	M 250.000				
0450	605.15 600 MM UNDERDRAIN TYPE C	M 228.000				
0460	605.17 750 MM UNDERDRAIN TYPE C	M 85.000				
0470	605.18 900 MM UNDERDRAIN TYPE C	M 40.000				
0480	606.24 GUARDRAIL TYPE 3D - SINGLE RAIL	M 10.000				
0490	606.78 LOW VOLUME GUARDRAIL END - TYPE 3	EA 1.000				
0500	607.163 CHAIN LINK FENCE - 1.2 METER P.V.C. COATED	M 220.000				
0510	608.08 REINFORCED CONCRETE SIDEWALK	M2 120.000				
0520	608.26 CURB RAMP DETECTABLE WARNING FIELD	M2 30.000				
0530	609.11 VERTICAL CURB TYPE 1	M 1984.000				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	609.113 VERTICAL CURB TYPE 1 - 300 MM REVEAL	50.000 M				
0550	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	210.000 M				
0560	609.234 TERMINAL CURB TYPE 1 - 1.2 METER	43.000 EA				
0570	609.2341 TERMINAL CURB TYPE 1 -1.2 M CIRCULAR	13.000 EA				
0580	609.237 TERMINAL CURB TYPE 1 - 2.1 METER	197.000 EA				
0590	609.2371 TERMINAL CURB TYPE 1- 2.1M - CIRCULAR	46.000 EA				
0600	609.31 CURB TYPE 3	700.000 M				
0610	610.08 PLAIN RIPRAP	40.000 M3				
0620	615.07 LOAM	820.000 M3				
0630	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	82.000 UN				
0640	619.1201 MULCH - PLAN QUANTITY	82.000 UN				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0650	620.54 STABILIZATION GEOTEXTILE	1800.000 M2				
0660	621.126 SMALL DECIDUOUS TREES (1800 MM - 2400 MM) GROUP A	5.000 EA				
0670	621.138 SMALL DECIDUOUS TREE (40 MM - 50 MM CALIPER) GROUP A	5.000 EA				
0680	621.268 LARGE DECIDUOUS TREE (45 MM - 50 MM CALIPER) GROUP B	5.000 EA				
0690	621.401 DWARF EVERGREENS (600 MM - 750 MM) GROUP A	36.000 EA				
0700	621.523 BAYBERRY (375 MM - 450 MM)	36.000 EA				
0710	621.54 DECIDUOUS SHRUBS (450 MM - 600 MM) GROUP A	31.000 EA				
0720	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0730	626.11 PRECAST CONCRETE JUNCTION BOX: _____	5.000 EA				
0740	626.22 NON-METALLIC CONDUIT	190.000 M				
0750	626.31 450 MM FOUNDATION	5.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0760	626.331 900 MM FOUNDATION	2.000 EA				
0770	626.35 CONTROLLER CABINET FOUNDATION	1.000 EA				
0780	627.733 100 MM WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	6860.000 M				
0790	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	500.000 M2				
0800	627.76 TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LUMP	LUMP			
0810	629.05 HAND LABOR, STRAIGHT TIME	100.000 HR				
0820	631.10 AIR COMPRESSOR (INCLUDING OPERATOR)	50.000 HR				
0830	631.11 AIR TOOL (INCLUDING OPERATOR)	50.000 HR				
0840	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	50.000 HR				
0850	631.14 GRADER (INCLUDING OPERATOR)	50.000 HR				
0860	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	50.000 HR				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0870	631.22 FRONT END LOADER (INCLUDING OPERATOR)	50.000 HR				
0880	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR				
0890	635.32 WET CAST SMALL LANDSCAPE BLOCK WALL	420.000 M2				
0900	636.29 RETAINING WALL STEPS	65.000 EA				
0910	639.18 FIELD OFFICE TYPE A	1.000 EA				
0920	642.17 CAST-IN-PLACE CONCRETE STEPS	10.000 M3				
0930	643.80 TRAFFIC SIGNALS AT MAIN / BRIDGE	LUMP	LUMP			
0940	643.83 VIDEO DETECTION SYSTEM	LUMP	LUMP			
0950	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	25.000 M2				
0960	645.306 FLEXIBLE REFLECTORIZED DELINEATOR	1.000 EA				
0970	652.33 DRUM	200.000 EA				

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			DOLLARS	CTS	DOLLARS	CTS
0980	652.34 CONE	200.000 EA				
0990	652.35 CONSTRUCTION SIGNS	100.000 M2				
1000	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	400.000 CD				
1010	652.38 FLAGGER	15000.000 HR				
1020	652.381 TRAFFIC OFFICER	50.000 HR				
1030	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA				
1040	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
1050	659.10 MOBILIZATION	LUMP	LUMP			
1060	660.21 ON-THE-JOB TRAINING (BID)	2000.000 HR				
1070	801.17 200 MM PVC SANITARY SEWER (SDR-35)	465.000 M				
1080	801.18 300 MM PVC SANITARY SEWER (SDR-35)	795.000 M				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1090	801.19 375 MM PVC SANITARY SEWER (SDR-35)	35.000 M				
1100	803.01 TEST PITS	9.000 EA				
1110	803.135 150MM SERVICE LATERAL	1050.000 M				
1120	803.17 REMOVE / ABANDON MANHOLE	27.000 EA				
1130	803.173 SEWER MANHOLE - 1.2M DIAMETER	28.000 EA				
1140	812.162 ADJUST SEWER MANHOLE TO GRADE	19.000 EA				
1150	822.33 150 MM CLASS 52 DI PIPE	180.000 M				
1160	822.331 150 MM NITRILE GASKET	2.000 EA				
1170	822.34 200 MM CLASS 52 DI PIPE	905.000 M				
1180	822.340 200 MM NITRILE GASKET	6.000 EA				
1190	822.36 300 MM CLASS 52 DI PIPE	1010.000 M				



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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1200	822.360 300 MM NITRILE GASKET	20.000 EA				
1210	823.31 300 MM GATE VALVE	14.000 EA				
1220	823.325 200 MM GATE VALVE	9.000 EA				
1230	823.331 150 MM GATE VALVE	20.000 EA				
1240	824.30 FIRE HYDRANTS	12.000 EA				
1250	825.311 19 MM CORPORATION	90.000 EA				
1260	825.312 19 MM CURB STOP	90.000 EA				
1270	825.32 50 MM CORPORATION	1.000 EA				
1280	825.3211 30 MM CORPORATION	3.000 EA				
1290	825.3212 40 MM CORPORATION	1.000 EA				
1300	825.322 50 MM CURB STOP	1.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1310	825.33 25 MM CORPORATION	2.000 EA				
1320	825.331 25 MM CURB STOP	2.000 EA				
1330	825.3311 30 MM CURB STOP	3.000 EA				
1340	825.3312 40 MM CURB STOP	1.000 EA				
1350	825.41 19 MM COPPER SERVICE	720.000 M				
1360	825.43 25 MM COPPER SERVICE	20.000 M				
1370	825.435 30 MM COPPER SERVICE	35.000 M				
1380	825.436 40 MM COPPER SERVICE	10.000 M				
1390	825.437 50 MM COPPER SERVICE	25.000 M				
1400	825.45 EXISTING SERVICE CONNECTION	6.000 EA				
1410	827.31 UNSUITABLE SOIL EXCAVATION REMOVE AND REPLACE	150.000 M3				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1420	827.311 UNSUITABLE SOIL EXCAVATION, REMOVE AND REFILL- BELOW GRADE	150.000 M3				
1430	827.33 TRENCH INSULATION	105.000 M				
	SECTION 0001 TOTAL					
	TOTAL BID					

**SPECIAL PROVISION**  
**SECTION 636**  
**Retaining Wall Steps**

Description: This work shall consist of supplying steps for the retaining walls specified for this project. The steps shall be either as supplied by the manufacturer to match the wall, or precast or cast-in-place units. Pigments shall be used as needed for the steps to match the surrounding retaining wall blocks. Finished units shall meet all maximum or minimum building code requirements for rise and run, and shall conform with the stairs shown on the plans.

Measurement: The accepted quantity of Retaining Wall Steps will be paid for at the contract unit price per each individual step, complete and accepted in place.

Basis of Payment The accepted quantity of Retaining Wall Steps will be paid for at the contract unit price per each complete, cleaned of debris and accepted in-place. The unit price shall be full compensation for any forming, placing, and finishing of concrete, excavation, backfill and grading needed, and furnishing all materials, labor and equipment necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
636.29	Retaining Wall Steps	Each