AGREEMENT FOR PUBLIC IMPROVEMENTS FOR PROJECT NO. <u>PA15-0010 (TRACT 36882)</u>

This Agreement made and entered into by and between the City of Moreno Valley, State of California, hereinafter called City, and <u>FH II, LLC</u>, herein after called Developer, on the date the City signs this agreement.

WITNESSETH:

FIRST: Developer, for and in consideration of the approval by the City of the final map of that certain land division, or that certain other land development project, known as PA15-0010 (TR 36882) agrees, at Developer's own expense, to furnish all labor, equipment and material necessary, and within TWENTY-FOUR (24) months from the date this Agreement is executed, to perform and complete in a good and workmanlike manner, all of the required improvements in accordance with those improvement plans for said project which have been approved by the City Engineer, and are on file in the office of the City Engineer, and to do all work incidental thereto in accordance with the standards set forth in City ordinances and regulations, and pay all costs of engineering necessary in connection therewith, which are expressly made a part of this Agreement. All of the above-required work shall be done under the inspection of and to the satisfaction of the City Engineer, and shall not be deemed complete until approved and accepted as complete by the City. Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Developer shall complete the improvements described in this paragraph pursuant to Section 66462, Government Code. Developer shall also complete any offsite improvements required as a condition of approval and with plans approved by the City Engineer at such time as the City acquires an interest in the land which will permit the improvements to be made, and the Developer waives the 120 day time limitation set forth in Section 66462.5, Government Code.

Security to guarantee the performance of this agreement shall be in the following amounts:

Faithful Performance security shall be in the sum of <u>ONE MILLION NINE HUNDRED SEVENTY FOUR THOUSAND AND NO/100</u> Dollars (***\$1,974,000.00***). The estimated cost of said work and improvements, pursuant to the Preliminary Estimate of Cost labeled Exhibit A attached hereto.

Labor and Material security shall be in the sum of <u>NINE HUNDRED EIGHTY SEVEN THOUSAND AND NO/100</u> Dollars (***\$987,000.00***). The estimated cost securing payment of labor and materials is fifty (50) percent of the total cost estimate of the improvements.

Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Upon entering the warranty period, the City shall retain ten percent of the original faithful performance security. Developer reserves the right to substitute the form of security, in accordance with the Moreno Valley Municipal Code, at any time during the term of this agreement, subject to approval of the City Engineer and City Attorney.

SECOND: Developer agrees to file with City, prior to the date this Agreement is executed, a good and sufficient improvement security in an amount not less than the estimated cost of the work and improvements for the faithful performance of the terms and conditions of this Agreement, and good and sufficient security for payment of labor and materials in the amount prescribed by City ordinances and regulations to secure the claims to which reference is made in Title 15 (commencing with Section 3082) of Part 4 of Division 3 of the Civil Code of the State of California. Developer agrees to renew each and every said bond or bonds with good and sufficient sureties or increase the amounts of said bond or bonds, or both, within ten (10) days after being notified by the City Engineer that the sureties or amounts are insufficient. Notwithstanding any other provision herein, if Developer fails to take such action as is

AGREEMENT FOR PROJECT NO. <u>PA15-0010 (TR 36882)</u> Page 2 of 5 PUBLIC IMPROVEMENTS

necessary to comply with said notice, he shall be in default of this Agreement unless all required improvements are completed within ninety (90) days of the date on which the City Engineer notified the Developer of the insufficiency of said bonds. Developer reserves the right to substitute the form of security in accordance with the City's Municipal Code at any time during the term of this agreement, subject to approval by the City Engineer and City Attorney.

THIRD: Developer agrees to pay to the City the actual cost of such inspection of the works and improvements as may be required by the City Engineer. Developer further agrees that, if suit is brought upon this Agreement or any bond guaranteeing the completion of the required improvements, all costs and reasonable expenses and fees incurred by the City in successfully enforcing such obligations shall be paid by Developer and guaranteed by the surety in addition to the face amount of the security, including reasonable attorney's fees, and that, upon entry of judgment, such costs, expenses and fees shall be taxed as costs and included in any judgment rendered.

FOURTH: To the furthest extent allowed by law, including California Civil Code Section 2782, Developer shall indemnify, hold harmless and defend City and each of its officers, officials, employees and agents from any and all claims, losses, liabilities, fines, penalties, forfeitures, costs and damages (whether in contract, tort or strict liability, including, but not limited to personal injury, death at any time and/or property damage) incurred by City or any other Person, and from any and all claims, demands and actions in law or equity (including attorney's fees and litigation expenses), arising or alleged to have arisen directly or indirectly out of the performance of this Agreement, including but not limited to the alleged acts or omissions of any contractor, subcontractor, employee or agent acting on behalf of Developer or the design of any improvements to be constructed pursuant to this Agreement or the use of any patent or patented article in the performance of this Agreement.

Developer's obligations to indemnify and hold City harmless shall apply in all instances except those claims caused by the active negligence, sole negligence, or willful misconduct of City or any of its officers, officials, employees or agents. Developer's obligations to defend the City and provide a legal defense (including the retention of attorneys acceptable to City and all legal costs and expenses) shall apply in all instances, except those claims arising out of the sole negligence or the willful misconduct of City or any of its officers, officials, employees or agents.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to indemnify, hold harmless and defend City and each of its officers, officials, employees and agents in accordance with the terms of the preceding paragraphs.

Developer's obligations under his section shall survive the completion of any work to be performed by Developer, the City's inspection and/or acceptance of any work performed by Developer, as well as the termination or expiration of this Agreement.

Developer's provision of insurance, as required below, does not terminate, alter, limit or satisfy Developer's defense and indemnity obligations provided for herein.

FIFTH: Throughout the life of the Agreement, Developer shall pay for and maintain in full force and effect all policies of insurance required hereunder with an insurance company (ies) either (I) admitted by the California Insurance Commissioner to do business in the State of California and rated not less than "A-VII" in Best's Insurance Rating Guide, or (ii) as authorized by the City Manager or his/her designee. The following policies of insurance are required:

(i) COMMERCIAL GENERAL LIABILITY insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) Commercial General Liability Coverage Form CG 00

AGREEMENT FOR PROJECT NO. <u>PA15-0010 (TR 36882)</u> Page 3 of 5 PUBLIC IMPROVEMENTS

01 and include insurance for "bodily injury," "property damage" and "personal and advertising injury" with coverage for premises and operations (including the use of owned and non-owned equipment), products and completed operations, and contractual liability (including, without limitation, indemnity obligations under the Contract) with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage, \$1,000,000 per occurrence for personal and advertising injury, \$2,000,000 aggregate for products and completed operations and \$2,000,000 general aggregate.

- (ii) COMMERCIAL AUTOMOBILE LIABILITY insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) form CA 00 01 and shall include coverage for "any auto" with limits of liability of not less than \$1,000,000 per accident for bodily and property damage. Commercial Automobile Liability coverage is required if automobiles are to be operated on city-owned property or within City right-of-way.
- (iii) WORKERS' COMPENSATION insurance as required under the California Labor Code.

Developer shall be responsible for payment of any deductibles or self-insured retentions contained in any insurance policies required hereunder.

All policies of insurance required hereunder shall be endorsed to provide that the coverage shall not be cancelled, non-renewed, reduced in coverage or in limits except after thirty (30) calendar day written notice by certified mail, return receipt requested, has been given to the City. Upon issuance by the insurer, broker or agent of a notice of cancellation, non-renewal or reduction in coverage or limits, Developer shall furnish City with a new certificate and applicable endorsements for such policy(ies). In the event any policy(ies) is due to expire before the completion of the work, Developer shall provide a new certificate and all applicable endorsements evidencing renewal of such policy(ies) not less than 15 calendar days prior to the expiration date of the expiring policy(ies).

The General Liability and Automobile Liability insurance policies shall be written on an occurrence form and endorsed to name the City and its officers, officials, employees and agents as additional insured's. Such policy(ies) of insurance shall be endorsed so Developer's insurance shall be primary and no contribution shall be required of City. Any Workers' Compensation insurance policy shall contain a waiver of subrogation as to City, its officers, officials, employees and agents. Developer shall furnish City with the certificate(s) and applicable endorsements for all required insurance fourteen (14) days prior to the start of work. NOTE: A Certificate of Insurance is not acceptable. The Certificate of Insurance must be accompanied by the additional insured and primary insurance endorsements.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to provide insurance protection in favor of City, its officers, officials, employees and agents in accordance with the terms of the Agreement. Any contractor or subcontractor performing work on behalf of Developer shall likewise be required to name City its officers, officials, employees and agents as additional insured's as required herein. Developer shall obtain certificates and endorsements from such contractors or subcontractors before the commencement of any work.

At any time during the Agreement, upon request of City, Developer shall immediately furnish City with a complete copy of any insurance policy required under this Agreement, including all endorsements, with said copy certified by the underwriter to be a true and correct copy of the original policy.

If at any time Developer fails to maintain the required insurance in full force and effect, all work permitted thereunder shall be discontinued immediately until notice is received by City that the required insurance has been restored to full force and effect and that the premiums therefore have been paid for a period satisfactory to City. Any failure by Developer to provide or maintain the required insurance shall be

AGREEMENT FOR PROJECT NO. <u>PA15-0010 (TR 36882)</u> Page 4 of 5 PUBLIC IMPROVEMENTS

considered a material breach of the Agreement.

The fact that insurance is obtained by Developer shall not be deemed to release or diminish its liability, including but not limited to, liability under the indemnity provisions on this Agreement. Developer's duty to defend and indemnify City shall apply to all claims and liabilities, regardless of whether any insurance policies are applicable. The policy limits stated herein do not act as a limitation upon the amount of indemnification required to be provided by Developer.

SIXTH The Developer hereby grants to the City and/or to any authorized agent or employee of the City, the irrevocable permission to enter upon the lands of the above-referenced land division for the purpose of completing the improvements. This permission shall terminate in the event that the Developer has completed the work within the time specified or any extension thereof granted by the City.

SEVENTH: Developer agrees at all times, up to the completion and acceptance of the improvements by the City, to give good and adequate warning to the traveling public of each and every dangerous condition caused by the construction of the improvements, and to protect the traveling public from such defective or dangerous conditions. The Developer shall keep all traveled ways that are a part of, or affected by the construction of this project free and clear of mud, dirt and debris and shall provide twice monthly street sweeping service. A copy of the contract for street sweeping service shall be provided to the City. The Developer's obligation under this provision shall be secured by the bonds securing performance of this Agreement.

EIGHTH: The Developer, his agents and employees, shall give notice to the City Engineer at least 48 hours before beginning any work and shall furnish said City Engineer all reasonable facilities for obtaining full information with respect to the progress and manner of work.

NINETH: If the Developer, or his agents or employees, neglects, refuses, or fails to prosecute the work with such diligence as to insure its completion within the specified time, or within such extensions of time as have been granted by the City, or if the Developer violates, neglects, refuses, or fails to perform satisfactorily any of the provisions of the plans and specifications, he shall be in default of this Agreement and notice in writing of such default shall be served upon him. The City Council shall have the power, on recommendation by the City Engineer, to terminate all rights of the Developer because of such default. The determination by the City Engineer of the question as to whether any of the terms of the Agreement or specifications have been violated, or have not been performed satisfactorily, shall be conclusive upon the Developer, and any and all parties who may have any interest in the Agreement or any portion thereof. The foregoing provisions of this section shall be in addition to all other rights and remedies available to the City under law.

TENTH: It is further agreed by and between the parties hereto, including the surety or sureties on the bonds securing this Agreement that, in the event it is deemed necessary to extend the time of completion of the work contemplated to be done under this Agreement, extensions of time **may** be granted by the City from time to time, either at its own option, or upon request of Developer, and such extensions shall in no way affect the validity of this Agreement or release the surety or sureties on said bonds, Developer further agrees to maintain the aforesaid bonds in full force and effect during the terms of this Agreement, including any extensions of time as may be granted therein.

ELEVENTH: It is understood and agreed by the parties hereto that if any part, term or provision of this Agreement is by the courts held to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term or provision held to be invalid.

AGREEMENT FOR PROJECT NO. <u>PA15-0010 (TR 36882)</u> Page 5 of 5 PUBLIC IMPROVEMENTS

TWELFTH: In the event legal action is required to enforce the terms of the Agreement, the prevailing party shall be entitled to recover attorney's fees and costs, including expert fees.

THIRTEENTH: Any notice or notices required or permitted to be given pursuant to this Agreement shall be served on the other party by mail, postage prepaid, at the following addresses:

City:
City Engineer
P.O. Box 88005
14177 Frederick Street
Moreno Valley, CA 92552-0805

Developer:
FH II, LLC
8300 Utica Avenue
Suite 300
Rancho Cucamonga, CA 91730

IN WITNESS WHEREOF Developer has affixed his name, address and seal.

Date approved by the City:	
FH II, LLC: Developer	
Signature James R. Rex Print/Type Name Division President Title	Signature Richard Munkvold Print/Type Name CFO Title
ATTEST: CITY CLERK OF THE CITY OF MORENO VALLEY By: City Clerk	CITY OF MORENO VALLEY By: Mayor
(SEAL)	APPROVED AS TO FORM: CITY ATTORNEY Date: By: City Attorney

NOTE: TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS UNLESS CORPORATE DOCUMENTS ARE PROVIDED THAT INDICATE OTHERWISE.

ENGINEER'S ESTIMATE WORKSHEET (PUBLIC IMPROVEMENTS)

Page 1 of 11

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CITY OF MORENO VALLEY LAND DEVELOPMENT DIVISION

DATE: 1/25/2017 MAP / LOT: Tentative Tract No. 36882 PROJECT: PA15-0010 **SUBTOTALS IMPROVEMENT TYPE** \$320,000 (Sheet 2 of 13) STREET PAVEMENT SECTIONS \$391,000 (Sheet 3 of 13) **OFF-SITE STREET IMPROVEMENTS** \$43,000 (Sheet 4 of 13) BONDABLE STREET WORK ONLY \$0 (Sheet 4 of 13) MONUMENTS \$0 (Sheet 4 of 13) SPECIAL DISTRICTS \$0 (Sheet 4 of 13) MORENO VALLEY UTILITIES \$7,000 (Sheet 5 of 13) TRANSPORTATION IMPROVEMENTS (Sheet 5 of 13) TRAFFIC SIGNAL IMPROVEMENTS \$231,000 (Sheet 6-7 of 13) STORM DRAIN IMPROVEMENTS (City Maintained) \$0 STORM DRAIN IMPROVEMENTS (RCFC Maintained) (Sheet 8-9 of 13) \$211,000 (Sheet 12 of 13) PUBLIC WATER IMPROVEMENTS \$207,000 (Sheet 13 of 13) PUBLIC SEWER IMPROVEMENTS \$1,410,000 TOTAL COST (VALUE) OF IMPROVEMENTS = \$282,000 564,000 + $40 \circ |_{0}$ +20%-CONTINGENCY = \$1,692,000-1,974,000 GRAND TOTAL = \$1,692,000 1,974,000 FAITHFUL PERFORMANCE SECURITY AMOUNT =

LABOR & MATERIAL SECURITY AMOUNT =

\$846,000 987,000

ENGINEER OF RECORD STATEMENT OF ESTIMATE WORKSHEET

outtion items and their quantities as shown on the attached worksheet are accurate for the construction of the improvements required to fulfill the Conditions of Approval for this project. The mathematical extensions, using the City of Moreno Valley's Unit Prices,

are accurate for determining Bond Amounts and Fees.

Suresh Doddiah, P.E.

S.D. ENGINEERING & ASSOCIATES

ABITATION OF ASSOCIATION

Prepared By

January 25, 2017

Date Prepared

* * PLEASE READ INSTRUCTIONS BELOW * * *

- 1. Quantities to be taken from and match exactly to the improvement plans.
- 2. Bond Amounts are shown to the nearest \$1,000.00 (Rounded Up)
- 3. For construction items not covered by this worksheet, the Engineer of Record is to provide his opinion of construction cost and use that unit cost. If City of Moreno Valley Unit Prices are determined to be too low in the opinion of the Engineer of Record, the higher cost as provided by the Engineer of Record should be used.

No. 36361

Exp. 06-30-18

^{*} The cost for securing payment of Labor and Materials is fifty (50) percent of the total cost estimate of the improvements

MAP/LOT: Tentative Tract No. 36882 DATE: 1/25/2017

STREET PAVEMENT SECTIONS

TYPE			QTY	UNIT	UNIT PRICE	TOTAL COST
Enter the pavement section per s	street (if possible)					
Roadway Excavation			2,48	C.Y.	\$30.00	\$ 74,400
Aggregate Base (A.B.) Class II		Thickness (ft.)	0.40		979.40	43-100-100-100-100
Asphalt Concrete (A.C.)	66,973.00	S.r. Thickness (ft.)	2,42	7 Ton	\$50,00	\$ 121,350
,	66,973.00		1,450	5 Ton	\$85.00	\$ 123,760
Roadway Excavation				C.Y.	\$30.00	\$
Aggregate Base (A.B.) Class II		Thickness (ft.) S.F.) Ton	\$50.00	
Asphalt Concrete (A.C.)		Thickness (ft.)	•	7 1011	330.00	• 6.50 (4.50)
	0.00	S.F.) Ton	\$85.00	S -
Roadway Excavation Aggregate Base (A.B.) Class II	0.00	Thickness (ft.)		C.Y.	\$30.00	Section 12 in the
Aggregate Dase (A.B.) Class II	0.00		() Ton	\$50,00	Selection of the selection
Asphalt Concrete (A.C.)		Thickness (ft.)				
Roadway Excavation	0.00	S.F.	244) Ton	\$85.00	\$
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.)		C.Y.	\$30.00	Signer and some star
	0.00.		() Ton	\$50.00	\$
Asphalt Concrete (A.C.)		Thickness (ft.)		_		
Roadway Excavation	0.00	S.F.	(Ton C.Y.	\$85.00 \$30.00	\$
Aggregate Base (A.B.) Class II	0,00	Thickness (ft.)		C.1.	\$30.00	•
		S.F.	() Ton	\$50.00	\$ -
Asphalt Concrete (A.C.)		Thickness (ft.)		_		•
Roadway Excavation	0.00	S.F.	7.5-7-50.00	C.Y.	\$85.00 \$30.00	\$ 7.00 (10 years)
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.)		C.1.	350.00	• = - (A) E + 17 D = 27
	0.00		(Ton	\$50.00	S-101
Asphalt Concrete (A.C.)		Thickness (ft.)	,	. T	£85.00	ne trederile bernen V
Roadway Excavation	0.00	S.F.		Ton C.Y.	\$85.00 \$30.00	\$
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.)			33333	* 50 Sc 1005
Apple Company (A.C.)		S.F.	(Ton	\$50.00	\$
Asphalt Concrete (A.C.)	0.00	Thickness (ft.) S.F.	() Ton	\$85.00	\$
Roadway Excavation	0.00	D.1 .	2 42 1	C.Y.	\$30.00	\$ 1982
Aggregate Base (A.B.) Class II		Thickness (ft.)				
Asphalt Concrete (A.C.)	0.00	S.F. Thickness (ft.)	() Ton	\$50.00	\$
Aspilat Collecte (A.C.)	0.00		() Ton	\$85.00	STORES LINE P
Roadway Excavation			Sept. Long.	C.Y.	\$30.00	\$
Aggregate Base (A.B.) Class II		Thickness (ft.)		_	***	2
Asphalt Concrete (A.C.)	0.00	S.F. Thickness (ft.)	(Ton	\$50.00	Special section
. aspinate construct (r. n.c.)	0.00	. ,	(Ton	\$85.00	\$ 100
Roadway Excavation				C.Y.	\$30.00	- 2
Aggregate Base (A.B.) Class II		Thickness (ft.) S.F.	,	. T	£50.00	
Asphalt Concrete (A.C.)		S.r. Thickness (ft.)	(Ton	\$50,00	S -
•	0.00		(Ton	\$85.00	s -
Roadway Excavation			2 44 347	C.Y.	\$30.00	\$
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.)		Ton	\$50.00	\$ 771.0910.0928
Asphalt Concrete (A.C.)		Thickness (ft.)	,	1011	\$30.00	\$
	0.00		C	Ton	\$85.00	\$
Roadway Excavation	0.00	T11.1 (0.)		C.Y.	\$30.00	\$
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.) S. F		Ton	\$50.00	s de la companya
Asphalt Concrete (A.C.)		Thickness (ft.)		1011	350.00	
	0.00	S.F.	C	Ton	\$85.00	\$
Roadway Excavation Aggregate Base (A.B.) Class II	0.00	TL:-! (A.)		C.Y.	\$30.00	\$ 100 000 000 000
Aggregate base (A.B.) Class II	0.00	Thickness (ft.) S. F	0	Ton	\$50.00	s
Asphalt Concrete (A.C.)		Thickness (ft.)		1011	330.00	•
n atom n a at	0.00		0	Ton	\$85.00	\$ 200
Roadway Excavation Aggregate Base (A.B.) Class II	0.00	Thislman (A.)		C.Y.	\$30.00	-
URFICEBRE DESC (V.D.) CIESS II	0.00	Thickness (ft.) S.F.	n	Ton	\$50.00	
Asphalt Concrete (A.C.)		Thickness (ft.)	·		\$50,00	•••
	0.00		0	Ton	\$85.00	\$
Roadway Excavation	0.00	TL:-1 (0.)		C.Y.	\$30.00	s -
Aggregate Base (A.B.) Class II	0.00	Thickness (ft.) S.F.	n	Ton	\$50.00	s -
Asphalt Concrete (A.C.)		Thickness (ft.)	·	. 011	υν,υςφ	
	0.00		0	Ton	\$85.00	s -

112

SUBTOTAL = \$ 319,510

MAP/LOT:

Tentative Tract No. 36882

DATE:

1/25/2017

OFF-SITE STREET IMPROVEMENTS

DAVENETY	<u> </u>	rg	ſΥ	UNIT	UNIT PRICE	Т	OTAL COST
Grind & Pave Existing Pewment (0.15 deep)	Т						
Applial Concrete (A.C.) Cap/Overlay		1.0	938	SF	\$3.25	•	3,048,50
Sliery Seal (Based on \$150 / Ton Type II)							
Proving Pabric 0 S.Y. 51,20 S S 58							
Unlight Pretach (ger MVSH-112 Series)	ric	1000	. 0	S. Y.	\$1.20		
Treach Repaying (pr MYS-112 Series)			438	L. F.	\$4.50	\$	1,971.00
Redwood Hander			0	L. F.	\$17.00	S	
Remove Existing Pavement & Base Remove Existing Curb & Gutter Remove Existing Remove Existing Remove Re	aving (per MVSI-132 Series)						
Remove Existing Curb & Gutter		oVC aut					
SOURCETE SOURCE							41,055.00
Solid Soli	isting Curb & Gutter		20	L.F.			240.00
CONCRETE Predual Cement Concrete (P.C.C.) Paving - 6" Predual Cement Concrete (P.C.C.) Paving - 8" 0 S.F. \$6.50 S Predual Cement Concrete (P.C.C.) Paving - 8" 0 S.F. \$18.00 S Curb & Cutter - 6" (per MYS-1208) 0 L.F. \$35.00 S Remove Existing Curb & Cutter 0 L.F. \$16.00 S Curb Cuby - 8" (per MYS-121A-0) 1 L.F. \$15.00 S Curb Cuby - 8" (per MYS-121A-0) 1 L.F. \$15.00 S Curb Cuby - 8" (per MYS-121A-0) 1 L.F. \$15.00 S Curb Cuby - 8" (per MYS-121A-0) 1 L.F. \$15.00 S Curb Cuby - 8" (per MYS-121A-0) 1 L.F. \$15.00 S Remove Existing Submidle (per MYS-121B-0) Sidewalk (per MYS-113 Senie) S S S S S S S S S S S S S						2	
CONCRETE							
Portland Cement Concrete (P.C.C.) Paving = 6"							
Portland Cement Concrete (P.C.C.) Paving = 6"	P.						8
Portland Cement Concrete (P.C.C.) Paving - 8" 0		525105	0	S. F.	\$6.50	S	F - 4645
Curb & Clutter - 6" (per MVS1-1209)		1.15				2	
Curb & Curber - 8" (per MYSI-120p) 0 L. F. \$30.00 \$		1. 3				S	87,875,00
Remove Existing Curb & Gutter		100 - 11y	and the second second				07,075.00
Curb Only - 6" (ger MVSI-1118-0) Curb Only - 6" (ger MVSI-1118-0) Curb Only - 6" (ger MVSI-1118-0) Applakl Concrete (A.C.) Berm/Curb - 6" (ger MVSI-124) Applakl Concrete (A.C.) Berm/Curb - 8" (ger MVSI-124) Applakl Concrete (A.C.) Berm/Curb - 8" (ger MVSI-124) L. F. S15.00 S Remove Existing Applakl Concrete (A.C.) Berm/Curb/Dike 0 L. F. S15.00 S Remove Existing Salpakl Concrete (A.C.) Berm/Curb/Dike 0 L. F. S15.00 S Remove Existing Sidewalk 0 S. F. S6.00 S Remove Existing Sidewalk 0 S. F. S6.00 S Driveway Approach - 8" (ger MVSI-11 Series) 1 4 E. A. S1,680,00 S Remove Existing Sidewalk 0 S. F. S4.00 S Remove Existing Driveway 0 S. F. S4.00 S S6.00 S Remove Existing Priveway 0 S. F. S4.00 S S6.00 S Remove Existing Priveway 0 S. F. S4.00 S S6.00							
Cub Only - 8" (per MVSI-12II-Pa)	=	1400					
Asphalc Concrete (A.C.) Berm/Curb - 8" (per MVSI-124)						C. 100/2	
Asphalc Concrete (A.C.) Berm/Curb - 8" (per MYSI-12)						\$	
Cross Gutter & Spandred (per MVSI-127)			0	L. F.	\$15.00	\$	The state of the state of
Sidewalk (per MVSI-115 Series)			Ó	L. F.		\$	
Remove Existing Sidewalk	r & Spandrel (per MVSI-127)	1977	1,350	S. F.	\$11.00	\$	14,850.00
Driveway Approach = 6" (see MVSI-111 Series)	er MVSI-115 Series)		14,005	S. F.	\$6.00	S	84,030.00
Driveway Approach = 8" (per MVSI-112 Series) 0 E A \$2,400.00 \$	isting Sidewalk	1 72	0	S. F.	\$6.00	\$	
Remove Existing Driveway	pproach - 6" (per MVSI-111 Series)		41	EΑ	\$1,680.00	\$	68,880.00
Access (Wheelchair) Ramp - Type 1 (per MVSI-114A) Access (Wheelchair) Ramp - Type 2 (per MVSI-114B) Bury Tury Common - String - Stri			0	EΑ	\$2,400.00	S	
Access (Wheelchair) Ramp - Type 2 (per MVSI-114B) Alley Approach - 8" (per MVSI-113) Alley Approach - 8" (per MVSI-113) Burricade 0	isting Driveway		0	S. F.	\$4.00	\$	
Alley Approach - 8" (per MVSI-113) 1/2 Alley Approach - 8" (per MVSI-161) 8					\$2,600.00		7,800.00
12 Alley Apron					\$2,750.00	S	100
Barricade						S	and Vertical
Bus Turnout (per MVSI-161)	pron					S	i.
S0,00 S S S S S S S S S							
MEDIAN Sawcut	t (per MVSI-161)		0	ΕA		T	
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Sawcut S							
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Curb Only - 8" (per MVSI-121B-0)						•	0.5
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						•	
SUBTOTAL = <u>\$</u>						SUBTOTAL = _S	390,499.50

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PROJECT: PA15-0010 MAP/LOT: Tentative Tract No. 36882 **DATE:** 1/25/2017

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST
BONDABLE STREET WORK ONLY (Inspected Only, not Plan	1 Checked)			
Monuments (per MVSI-170 Series)		0 E A	\$300.00	\$ 1000000000000000000000000000000000000
Underground of Utilities (per MVSI-180 thru 183 Series)		0 L. F.	\$207.00	\$
Cluster Mail Boxes (per MVSI-117B)		4 EA	\$4,500.00	\$ 18,000.00
Relocate Mailbox		0 EA	\$350.00	\$ 1000
Relocate Cluster Mailbox		0 EA	\$1,200.00	\$
Street Tree		32 E A	\$300.00	\$ 24,600.00
Street Tree Removal (6" Dia. or Larger)		0 EA	\$500,00	\$
Relocate Street Tree	12.13/16	0 E A	\$2,500.00	\$
			SUBTO	OTAL = \$ 42,600.00
PECIAL DISTRICTS (per MVLI-500A thru 582 Series)				
Landscaping & Irrigation - Medians / Parkways / Open Space	1 美元代 4	0 S. F.	\$6.00	S -
TREET LIGHTS				
100w HPSV or Equivalent [9,500 Lumens] (per MVLT-400A)	., 121 (196	3 E A	\$5,000.00	\$ 65,000.00
200w HPSV or Equivalent [22,000 Lumens] (per MVLT-400B)		0 EA	\$9,500.00	\$
250w HPSV or Equivalent	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 EA	\$6,000.00	S = 1 = 1 = 1
100w LED or Equivalent		0 EA	\$5,000.00	
145w LED or Equivalent		0 E A	\$5,000.00	\$ 12 1 10 20 1
			STREET LIGHT SUBTO	OTAL = \$ 65,000.00
IORENO VALLEY UTILITIES (M.V.U.) - please contact N	IVU to complete this	section.		
Structures		0 EA	\$0.00	S The second of
Transformers		0 EA	\$0.00	S COLUMN TO THE STATE OF
Meters		0 EA	\$0.00	\$
Cable		0 L.F.	\$0.00	\$
Conduit		0 L.F.	\$0.00	\$
			\$0,00	\$
			\$0,00	\$
			\$0,00	\$
			\$0.00	\$
			\$0.00	\$
			\$0,00	\$
			\$0.00	\$
			\$0,00	\$
			\$0.00	S. Called S. Called

MAP/LOT: Tentative Tract No. 36882

DATE: 1/25/2017

TRANSPORTATION IMPROVEMENTS

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST
Plan checked by Transportation / Inspected by Land Development				
Striping		EN COREST TO VENE		
4" Painted Broken Stripes	在市场的	0 L. F.	\$0.90	\$ 1000000000000000000000000000000000000
4" Painted Double Solid Stripes		560 L. F.	\$0.90	\$ 594.0
6" Painted Bike Lane Stripes		0 L.F.	\$0.90	\$ 394.0
Painted One-Way (No Passing)		0 L. F.	\$0.90	ST LINE
Painted Two-Way Left-Turn Lane		0 L. F.	\$0.90	S
Painted Pavement Markings		0 S. F.	\$2.50	S
4" Thermoplastic Traffic Stripes		0 S. F.	\$4.00	\$
8" Thermoplastic Channelizing Line	1214 1970	0 S. F.	\$4.00	S
12" Thermoplastic Crosswalk / Limit Line		36 S. F.	\$4.00	\$ 144.0
Thermoplastic Pavement Markings		0 S. F.	\$4.00	\$ -
Reflective Pavement Markers (RPM's)		0 EA	\$3.75	5
Remove Painted Striping & Pavement Markings		0 S.F.	\$3.00	3
Remove Thermoplastic Striping & Pavement Markings	4.	0 S. F.	\$5.00	\$
Remove Reflective Pavement Markers (RPM's)		0 EA	\$2.40	S. Carlotte
Delineator - Class 1 / Type F		0 EA		
Delineator - Class 2		0 EA	\$50.00	S (1) (1)
Stop Legend	The Seatt	2 E A	\$75.00	\$
Edge of Traveled Way		60 L.F.	\$100.00	\$ 200.0
Blue Dot Markers			\$1.00	\$ 660.00
Die Die Marke		9 E A	\$100.00	\$ 900.00
		4	\$0.00	S -
			\$0.00	\$
Signs				
Street Name Sign w/ Post		4 5 4	6075.00	100000000000000000000000000000000000000
Stop Sign w/ Post	and the same of	4 EA	\$275.00	\$ 1,100.00
Sign w/ One Post	4	2 EA	\$300,00	\$ 600.00
Sign w/ Two Post		0 EA	\$300.00	\$
Street Sweeping Sign	1.	0 EA	\$400.00	\$
Object Markers - Type "L" / Type "N"	ATT OF THE ST	11 EA	\$200,00	\$ 2,200.00
Remove Roadside Sign		0 EA	\$100.00	S
		0 EA	\$100.00	S
Relocate Roadside Sign		0 EA	\$150.00	\$
			\$0.00	\$
			\$0.00	2 4 5 4 5 5 5 5
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
M:				
Miscellaneous				
Traffic Control (for local streets only)	51177100	0 Lump Sum	\$1,000.00	\$ 1000
Traffic Control (for collector streets only)		0 Lump Sum	\$5,000.00	\$
Traffic Control (for arterial streets only)		0 Lump Sum	\$28,000.00	\$
Metal Guardrail		0 EA	\$90.00	\$
Remove Barricade		0 L. F.	\$25.00	S
		Sixona parincia.	\$0.00	\$
			\$0.00	S
			\$0.00	s
			\$0.00 \$0.00	
			30.00	\$
			SUBTO	OTAL = \$ 6,398.00
an checked and inspected by Transportation	The hat who are		TO THE STATE OF THE	
Signals	er in the terms of	10.00	ere in the transfer that the first the transfer to	ACTORDORADO VICTORIO DE LA COMPANSIONA DEL COMPANSIONA DE LA COMPANSIONA DEL COMPANSIONA DE LA COMPANSIONA DE LA COMPANSIONA DE LA COMPANS
New (includes communication conduit, controller, software, initial coordination)		0 EA	\$292,600.00	\$
Modification (per corner)		0 EA	\$73,150.00	s .
Communication Conduit		0 L. F.	-	
Adjust Pull Box to Grade			\$30.00	\$ -
- where a med bow to didde		0 EA	\$800.00	s -
			\$0.00	5
			\$0.00	\$ -
			\$0.00	\$
11 55 N 10			\$0.00	\$
			\$0.00	\$
			TRAFFIC SIGNAL SUBTO	

MAP/LOT:

Tentative Tract No. 36882

DATE:

1/25/2017

STORM DRAIN IMPROVEMENTS [City Maintained]

TYPE	QTY	(UNIT	UNIT PRICE	TOTAL COST
PIPES	0.5				
24" Reinforced Concrete (R.C.P.) Pipe	600 NO.	61	L. F.	\$160.00	\$ 9,760.00
30" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$180.00	\$
36" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$190.00	\$ 125,400.00
39" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$200.00	
42" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$210.00	\$
48" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$250.00	\$
54" Reinforced Concrete (R.C.P.) Pipe 60" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$300.00	\$
66" Reinforced Concrete (R.C.P.) Pipe			L. F. L. F.	\$350.00 \$375.00	\$ \$
72" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$414.00	S
78" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$459.00	S ************************************
84" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$505.00	s = 100 = 100 = 100
90" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$557.00	\$
96" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$613.00	S
102" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$671.00	5
108" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$724.00	\$10,000
114" Reinforced Concrete (R.C.P.) Pipe	10.45		L. F.	\$785,00	\$
4" PVC Schedule 40		The state of	L. F.	\$25.00	\$ 1
4" PVC Schedule 80			L. F.	\$30.00	S.F. San Market State
6" PVC Schedule 40			L. F.	\$30.00	\$
6" PVC Schedule 80		0	L. F.	\$35.00	\$
8" PVC Schedule 40			L. F.	\$40.00	\$
8" PVC Schedule 80	The state of the		L. F.	\$48.00	\$
Reinforced Concrete Structure		0	L. F.	\$530.00	\$
8' x 10' Reinforced Concrete Box (R.C.B.)		0	L. F.	\$1,200.00	\$
8' x 12' Reinforced Concrete Box (R.C.B.)		0	L. F.	\$1,400.00	\$ 1000
2 - 4' x 3' Reinforced Concrete Box (R.C.B.)	- AN	0	L. F.	\$600.00	\$ 15000000000000000000000000000000000000
3 - 4' x 2' Reinforced Concrete Box (R.C.B.)		0	L. F.	\$461.00	\$
2 - 72" Reinforced Concrete (R.C.P.) Pipe			L. F.	\$840.00	\$
Remove Existing Pipe			L. F.	\$50.00	\$
8" Reinforced Concrete (R.C.P.) Pipe			L.F.	\$100.00	\$ 27,000.00
12" Reinforced Concrete (R.C.P.) Pipe		47	L. F.	\$130.00	\$ 6,110.00
				\$0.00 \$0.00	\$
	30, 6, 0.034	3 (2.11)		C. C	Per training in the case of
MANHOLES					
Manhole No. 1 [per MVFE-320/321 Series / RCFC MH251 - pipes 33" or smaller]		0	ΕA	\$5,300.00	
Manhole No. 2 [per MVFE-320/321 Series / RCFC MH252 - pipes 36" or larger]			ΕA	\$6,700.00	\$ 20,100.00
Manhole No. 3 [per MVFE-320/321 Series / RCFC MH253 - all R.C B s]		0	ΕA	\$5,300.00	\$
Manhole No. 4 [per MVFE-320/321 Series / RCFC MH254 - pipes 36" or larger w/ side inlet]	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0	ΕA	\$6,700.00	\$
Adjust Manhole (MH) to Grade			EA	\$460.00	\$ 3
Modify Existing MH		1	EA	\$3,000.00 \$0,00	\$ 3,000.00
At the little of the first that the configuration and the	HI STATE OF			30.00	· Drawing Salah in-skill
CATCH BASINS					
Catch Basin (7') [per MVFE-300 Series]	14.77	0	EΑ	\$5,500.00	\$
Catch Basin (10') [per MVFE-300 Series]	. 325 749	2	ΕA	\$6,000.00	\$ 12,000.00
Catch Basin (14') [per MVFE-300 Series]			ΕA	\$8,000.00	\$
Catch Basin (21') [per MVFE-300 Series]	-575		ΕA	\$12,500.00	\$
Catch Basin (28') [per MVFE-300 Series]	100		ΕA	\$16,000.00	\$
Local Depression [per MVFE-300A or APWA Std, 313]			ΕA	\$535.00	\$
18" x 18" Grated Basin			EA	\$2,100.00	\$
24" x 24" Grated Basin			E A	\$2,500.00	\$ 4 4 5 6 6 6
Grated Catch Basin			EΑ	\$6,000.00	\$
6" Wide Strip Basin			ΕA	\$3,000.00	\$
Remove / Relocate Existing Catch Basin			ΕA	\$5,000.00	\$
Catch Basin (3.5') [per MVFE-300 Series]		1	EA	\$3,000.00	\$ 3,000.00
	DE LEA			\$0.00	S
	1.0			\$0.00 \$0.00	\$
	10 1.5			\$0.00	* 307 = 12.54
DRAINS					
Terrace Drain	10		S. F.	\$10.00	\$
Down Drain			S. F.	\$10.00	\$
Parkway Culvert (per MVSI-150A)	1 7 11		ΕA	\$3,500.00	\$ 10,500.00
Sidewalk Outlet (per MVSI-151A)			ΕA	\$1,400.00	\$
Curb Drain (per MVSI-152)			ΕA	\$300.00	\$
Concrete "V" Ditch	100	. 0	S. F.	\$10.00	\$
		101	55.25.	\$0.00	\$
				\$0.00	\$
				\$0.00	S -
	100		NEW Y	\$0.00	\$

Page 7 of 11

PROJECT: PA15-0010

MAP/LOT: Tentative Tract No. 36882

DATE: 1/25/2017

STORM DRAIN IMPROVEMENTS [City Maintained] - Continued

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST	
FRUCTURES					
Transition Structure #1 [RCFC Std. TS301 - Single Pipe to Single Box]	- ENEXT (S	0 EA	\$15,200.00	\$ 50.000	
Transition Structure #2 [RCFC Std. TS302 - Single Box to Single Box]		0 EA	\$12,500.00	\$	
Transition Structure #3 [RCFC Std. TS303 - Pipe to Pipe w/ Pipe Junction]		0 EA	\$5,100.00	\$	
Junction Structure #1 [RCFC Std. JS226 - 33" or larger Side Inlet to Box]		2 EA	\$3,600.00	\$ 7,200.	
Junction Structure #2 [RCFC Std. JS227 - Side Inlet larger than 1/2 O.D. Pipe]		0 EA	\$4,900.00	\$	
Junction Structure #3 [RCFC Std. JS227 - Stde Material ger data 172 - 5.5. Trpe]		0. E A	\$6,500.00		
Junction Structure #4 [RCFC Std. JS229 - 24" or smaller Side Inlet to Pipe]		0 EA	\$6,500.00		
Junction Structure #6 / #7 [RCFC Std. JS231/232 - Side Inlet to Channel]		0 EA	\$6,000.00		
Junction Structure - Modified		0 EA	\$15,000.00		
		0 EA	\$2,550.00		
Type IX Inlet Structure [RCFC Std. CB-107 - Checkered Covered Plate]		0 EA	\$2,550.00	S	
Type X Inlet Structure [RCFC Std. CB-108 - Grate]		IEA	\$4,500.00	\$ 4,500.	
Concrete Drop Inlet Structure [per RCFC Std, CB-110]				\$ 4,300.	
Outlet Structure		0 EA	\$8,000.00		
Concrete Collar (up to 36") [per MVFE-340]		0 EA	\$3,000.00	\$	
Concrete Collar (greater than 36") [per RCFC Std. M803 - up to 66"]		0 E A	\$5,000.00	\$ 1200	
Concrete Headwall		0 EA	\$5,500.00	\$	
Concrete Bulkhead [per RCFC Std. M816]	THE SHAD	1 EA	\$1,000.00	\$ 1,000.	
Remove Existing Outlet / Headwall		0 EA	\$1,000.00	\$	
Remove Existing Concrete Bulkhead		1 EA	\$1,000.00	\$ 1,000.	
그는 내가 들었는데 이 그들은 것 없는 것을 하는데 되고 있었다.			\$0.00	\$ 100	
그 그 일 마다 그리고 하는 맛이 먹는 것 없었다.			\$0.00	\$ 2 7 7 9 9 9 9 9 9	
			\$0.00	\$	
그 그 그리다 가격하는 그 아이들의 사람들이 그렇게 되었다면서 그렇게 다 없다면서 없었다.			\$0.00	S.	
그 이 그 집에 있는 그리고 있는 그리고 얼마를 하면 없었다.			\$0.00	\$	
			\$0.00	S	
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			\$0.00		
			\$0.00	\$	
ISCELLANEOUS					
Rip Rap - 1/4 Ton		0 Ton	\$40.00	a swift terminal word	
• •		19-14		\$	
Rip Rap - 1/4 Ton (Grouted)		0 Ton	\$72.00		
Rip Rap - 1/2 Ton		0 Ton	\$45.00		
Rip Rap - 1/2 Ton (Grouted)		0 Ton	\$75.00	\$	
Rip Rap - 1 Ton		0 Ton	\$50.00	\$	
Rip Rap - 1 Ton (Grouted)		0 Ton	\$80.00	S The section is	
Rip Rap - 2 Ton		0 Ton	\$80.00	\$	
Rip Rap - 2 Ton (Grouted)		0 Ton	\$130.00	\$ 100 100 100 100 100 100 100 100 100 10	
Concrete Pipe Slope Anchor		0 EA	\$2,500.00	\$	
Manhole Shaft (per MVFE-320C)		0 EA	\$6,000.00	\$	
		0 EA	\$15,000.00	\$	
		The second second	\$0.00		
Access Opening					
Access Opening				S. A.	
Access Opening			\$0.00	\$	
Access Opening			\$0.00 \$0.00	\$	
Access Opening			\$0.00 \$0.00 \$0.00	\$ \$ \$	
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Access Opening			\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ - \$ - \$ - \$ -	

SUBTOTAL = \$ 230,570.00

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PROJECT: PA15-0010 MAP/LOT: Tentative Tract No. 36882 DATE: 1/25/2017

STORM DRAIN IMPROVEMENTS [RCFC Maintained]

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST
PIPES (RCFC Only)				
36" Reinforced Concrete (R.C.P.) Pipe		1 L. F.	\$190.00	Selection of the Selection
39" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$200.00	\$ 1100000000000000000000000000000000000
42" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$210.00	\$
48" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$250.00	\$
54" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$300.00	\$
60" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$350,00	\$
66" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$375.00	\$
72" Reinforced Concrete (R.C.P.) Pipe	1.0	L. F.	\$414.00	\$
78" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$459.00	\$
84" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$505.00	\$ 1000000000000000000000000000000000000
90" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$557.00	S TO A TO SEE THE
96" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$613.00	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
102" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$671.00	S death by the second of the
108" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$724.00	Simple of the same of
114" Reinforced Concrete (R.C.P.) Pipe	5 7 1950	L. F.	\$785.00	
Reinforced Concrete Structure		L. F.	\$530.00	\$
8' x 10' Reinforced Concrete Box (R.C.B.)		L. F.	\$1,200.00	
8' x 12' Reinforced Concrete Box (R.C.B.)		L. F.	\$1,400.00	\$
2 - 4' x 3' Reinforced Concrete Box (R.C.B.)		L. F.	\$600.00	\$
3 - 4' x 2' Reinforced Concrete Box (R.C.B.)		L. F.	\$461.00	\$
2 - 72" Reinforced Concrete (R.C.P.) Pipe		L. F.	\$840.00	\$
Remove Existing Pipe		L.F.	\$50.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
IANHOLES (RCFC Only)				
Manhole No. 1 [per RCFC Std. MH251 - for pipes 33" or smaller]		ΕA	\$5,300.00	 (18.30.30.30.3)
Manhole No. 2 [per RCFC Std. MH252 - for pipes 36" or larger]		EA	\$6,700.00	
Manhole No. 3 [per RCFC Std. MH253 - for all R.C.B.'s]		EA	\$5,300.00	S
Manhole No. 4 [per RCFC Std. MH254 - for pipes 36" or larger w/ side inle	a	EA	\$6,700.00	
Trialinote 140. 4 [per Rere Std. 1011234 - 101 pipes 30 of larger w/ side line		LA	\$0.00	\$ 100
			\$0.00	s
TATCH DASING (DCEC Only)				
CATCH BASINS (RCFC Only)		F 4	85 500 00	
Catch Basin (7') [per RCFC Std. CB-100]		EA	\$5,500.00	s s
Catch Basin (10') [per RCFC Std. CB-100]		EA	\$6,000.00	7 - 7
Catch Basin (14') [per RCFC Std. CB-100]		EA	\$8,000.00	\$
Catch Basin (21') [per RCFC Std. CB-100]		EA	\$12,500.00	2
Catch Basin (28') [per RCFC Std. CB-100]		ΕA	\$16,000.00	S
Local Depression [per RCFC Std. LD201]		EA	\$535.00	\$ 300 00 00 00 00
18" x 18" Grated Basin	4.0	EA	\$2,100.00	\$ -
24" x 24" Grated Basin		EA	\$2,500.00	\$
Grated Catch Basin		EA	\$6,000.00	\$
6" Wide Strip Basin		EA	\$3,000.00	\$
Remove / Relocate Existing Catch Basin		ΕA	\$5,000.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	S
			\$0.00	\$
DAINS (DCEC Only)				
RAINS (RCFC Only) Terrace Drain		S. F.	\$10.00	\$ -
Down Drain		S. F.	\$10.00	\$ -
Parkway Culvert (per MVSI-150A)		E A	\$3,500.00	\$
Sidewalk Outlet (per MVSI-151A)		EA	\$1,400.00	s -
Curb Drain (per MVSI-152)		EA	\$300.00	\$
Concrete "V" Ditch		S. F.	\$10.00	\$
			\$0.00	\$
			\$0.00	\$ = '\
			60.00	
			\$0.00	\$
			\$0.00	3 -

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PROJECT: PA15-0010

MAP/LOT:

Tentative Tract No. 36882

DATE:

1/25/2017

STORM DRAIN IMPROVEMENTS [RCFC Maintained] - Continued

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST
STRUCTURES (RCFC Only)				
Transition Structure #1 [RCFC Std. TS301 - Single Pipe to Single Box]		EA	\$15,200.00	STELLING STREET
Transition Structure #2 [RCFC Std. TS302 - Single Box to Single Box]		ΕA	\$12,500.00	\$
Transition Structure #3 [RCFC Std. TS303 - Pipe to Pipe w/ Pipe Junction]	5 Levil 1	ΕA	\$5,100.00	\$
Junction Structure #1 [RCFC Std. JS226 - 33" or larger Side Inlet to Box]		EA	\$3,600.00	\$
Junction Structure #2 [RCFC Std. JS227 - Side Inlet larger than 1/2 O.D. Pipe]		EA	\$4,900.00	\$
Junction Structure #3 [RCFC Std. JS228 - 30" or smaller Side Inlet to Box]		EA	\$6,500.00	\$
Junction Structure #4 [RCFC Std. JS229 - 24" or smaller Side Inlet to Pipe]		ΕA	\$6,500.00	\$
Junction Structure #6 / #7 [RCFC Std. JS231/232 - Side Inlet to Channel]		ΕA	\$6,000.00	\$
Junction Structure - Modified	9 19 (2007)	ΕA	\$15,000.00	\$
Type IX Inlet Structure [RCFC Std. CB-107 - Checkered Covered Plate]		ΕA	\$2,550.00	\$
Type X Inlet Structure [RCFC Std. CB-108 - Grate]		EA	\$2,550.00	\$
Concrete Drop Inlet Structure [per RCFC Std. CB-110]		EA	\$4,500.00	\$
Outlet Structure	8 4 EM	EA	\$8,000.00	\$
Concrete Collar (greater than 36") [per RCFC Std. M803 - up to 66"]		EA	\$5,000.00	\$
Concrete Headwall		EA	\$5,500.00	\$
Concrete Bulkhead [per RCFC Std. M816]		EA	\$1,000.00	\$ 1000000000000000000000000000000000000
Remove Existing Outlet / Headwall		EA	\$1,000.00	\$
romove maning obtain reasonan		10000	\$0,00	5
			\$0.00	\$
			\$0.00	S
			\$0.00	\$
		4	\$0.00	\$
			\$0.00	\$
			\$0.00	\$
			\$0.00	S
			\$0.00	S
			\$0.00	\$
MISCELLANEOUS (RCFC Only)				
Rip Rap - 1/4 Ton		Ton	\$40.00	2 3 00 1123
Rip Rap - 1/4 Ton (Grouted)		Ton	\$72.00	\$
Rip Rap - 1/2 Ton		Ton	\$45.00	\$
Rip Rap - 1/2 Ton (Grouted)		Ton	\$75.00	5
Rip Rap - 1 Ton		Ton	\$50.00	
Rip Rap - 1 Ton (Grouted)		Ton	\$80.00	5 10 10 10 10 10 10 10 10 10 10 10 10 10
Rip Rap - 2 Ton		Ton	\$80.00	September 1997
Rip Rap - 2 Ton (Grouted)	40.75	Ton	\$130.00	
Concrete Pipe Slope Anchor		EA	\$2,500.00	\$
		EA	\$6,000.00	
Manhole Shaft (per MVFE-320C)			-	3
Access Opening		EA	\$15,000.00	
			\$0.00	3
			\$0.00	
			\$0.00	\$
			\$0.00	S
			\$0.00	\$
			\$0.00	5 1 1845 - 1855 and
			\$0.00	\$
			\$0.00	s -
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MAP/LOT: Tentative Tract No. 36882

DATE:

1/25/2017

PUBLIC WATER IMPROVEMENTS

TYPE	QTY	UNIT	UNIT PRICE	TOTAL COST
PIPE				300
4" PVC C-900		0 L.F.	\$30.00	\$
6" PVC C-900		0 L. F.	\$35.00	\$
8" PVC C-900		112 L. F.	\$45.00	\$ 59,040.00
12" PVC C-900	4	660 L. F.	\$65.00	\$ 42,900.00 \$ -
16" PVC C-900		0 L. F. 0 L. F.	\$110.00 \$135.00	\$
18" PVC C-900 20" PVC C-900		0 L. F. 0 L. F.	\$180.00	\$
VALVES				
Gate Valve - 4"		0 EA	\$900.00	\$ 1000000000000000000000000000000000000
Gate Valve - 6"	1. 47	0 EA	\$1,100.00	S
Gate Valve - 8"	\$15 miles	3 E A	\$1,500.00	\$ 4,500.00
Gate Valve - 12"		0 EA	\$2,500.00	\$
Gate Valve - 16"		0 E A 0 E A	\$6,270.00	\$
Gate Valve - 18" Butterfly Valve - 4"		0 EA	\$15,000.00 \$330.00	s and a second
Butterfly Valve - 6"		0 EA	\$520.00	s
Butterfly Vaive - 8"		0 EA	\$990.00	\$
Butterfly Valve - 12"		0 EA	\$1,800.00	\$
Butterfly Valve - 16"		0 EA	\$2,850.00	\$
Butterfly Valve - 18"	of the April	0 EA	\$3,000.00	\$
Butterfly Valve - 20"		0 EA	\$4,500.00	S The state of the
Butterfly Valve - 24"		0 E A	\$5,300.00	\$
Adjust Water Valve to Grade		0 EA	\$400.00	\$
Air Vac Release - 1"		2 E A	\$2,400.00	\$ 4,800.00
Air Vac Release - 2"		0 EA	\$4,000.00	S S
Air Vac Release - 4" Backflow Preventer - 3/4" to 2" (including Pad & Cover)		0 E A 0 E A	\$4,500.00 \$4,300.00	\$ -
Backflow Preventer - 2-1/2" to 3" (including Pad & Cover)		0 EA	\$5,300.00	\$
Backflow Preventer - 4" to 10" (including Pad & Cover)		0 EA	\$6,450.00	\$
Blow Off - 4"		0 EA	\$3,500.00	\$
Blow Off - 6"		0 EA	\$4,000.00	\$
FIRE HYDRANTS	v			
6" Standard Fire Hydrants		8 E A	\$4,000.00	\$ 32,000.00
6" Super Fire Hydrants		0 EA	\$4,500.00	\$
SERVICE CONNECTIONS				
1" Service Connection		40 E A	\$1,000.00	\$ 40,000.00
1" Service Connection w/ 5/8" Meter		0 E A	\$2,000.00	\$ -
1-1/2" Service Connection		0 EA	\$2,480.00	s -
2" Service Connection 4" Service Connection		0 EA 0 EA	\$2,780.00 \$4,500.00	\$ \$
FITTINGS				
4" Misc. Fittings		0 E A	\$150.00	\$ 200,000
6" Misc. Fittings		0 E A	\$200.00	\$
8" Misc. Fittings		7 EA	\$250.00	\$ 1,750.00
10" Misc. Fittings		0 E A	\$280.00	\$
12" Misc. Fittings		0 EA	\$750.00	S -
WATER METERS			****	
5/8" Meter		0 E A	\$285.00	\$ 15,000,00
1" Meter 1-1/2" Meter		40 EA	\$377.00	\$ 15,080.00 \$ -
2" Meter		0 EA 0 EA	\$487.00 \$599.00	\$ -
Adjust Water Meter Box to Grade		0 EA	\$235.00	s -
HOT TAP CONNECTIONS				
Hot Tap - 4"		0 E A	\$2,000.00	s -
Hot Tap - 6"		4 EA	\$2,500.00	\$ 10,000.00
Hot Tap - 8"		0 E A	\$3,000.00	s -
Hot Tap - 12"		0 E A	\$4,500.00	\$ -
Hot Tap Service Clamp Water Service		0 EA 0 EA	\$2,000.00 \$330.00	\$ - \$ -
		V EM	DJ3U.UV	.
MISCELLANEOUS Thrust Block		0 C. Y.	\$150.00	s -
Jack & Bore		0 L. F.	\$500.00	\$ -
8" Joint at Existing		0 E.F.	\$2,500.00	s -
		J 2/1	\$0.00	\$ -
			\$0.00	\$ -
			\$0.00	\$ -
			\$0.00	\$ -
			Clib	OTAL = 210,070.00
			SUBI	OTAL = 210,070.00

MAP/LOT: Tentative Tract No. 36882

DATE:

1/25/2017

PUBLIC SEWER IMPROVEMENTS

TYPE	QTY U	INIT UNIT	PRICE	TOTAL COST
PIPE				(0) 000
4" VC Pipe	0 L		5.00	5
6" VC Pipe	0 1			\$ -
8" VC Pipe	1,985 L			\$ 129,025.00
10" VC Pipe 12" VC Pipe	1 0 1 0			\$ \$
15" VC Pipe	0 I			5
18" VC Pipe	0 I			5
21" VC Pipe	0 I			\$
24" VC Pipe	0 I			\$
27" VC Pipe	0 1		5.00	\$
30" VC Pipe	0 1			\$ -
33" VC Pipe	0 I			\$
36" VC Pipe	0 L			\$ -
4" SDR - 35	1,152 I			\$ 40,320.00 \$
6" SDR - 35 8" SDR - 35	0 I 0 I			\$
10" SDR - 35	0. L			\$
12" SDR - 35				
15" SDR - 35	0 1			\$
Concrete Encasement	0 L	. F. \$43	3,00	\$ -
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				S The state of
				\$ \$
	A STATE OF THE STA	A TO SECOND STATE OF THE S		The second section of the second
CLEANOUTS Cleanouts	- A - 1 - 1 E	. A \$1.00	00.00	\$ 1,000.00
Cleanout Lateral	40 E			\$ 12,000.00
Citation Lateral				\$ 12,000.00
				\$
	41 48 25 - 51 1 22			\$
				\$
		\$0	.00	S Targett Targett
MANHOLES				
48" Standard Manhole	7 E			\$ 24,500.00
48" (Extra Depth) Standard Manhole	0 E			\$
60" Standard Manhole	0 F			5
Shallow Manhole Adjust Manhole to Grade	0 F			5
Tie into Existing Manhole	0 E			\$ \$
Rechannel Existing Manhole	0 E			
Join Existing 8" Pipe	0 E			\$
Join Existing 12" Pipe	0 E			\$
Pavement around Manhole	0 8			\$
				\$
		\$0	.00	\$
				\$ -
				\$
		20	.00	\$
MISCELLANEOUS				_
Wyes	0 E			\$
TV Sewer	0 I			\$
Trench Paving	0 S		,00	\$ \$
Pavement Replacement	0 S		.00	\$
				s -
				\$
				S
				s -
		\$0		\$ 100
	A D The	\$0		\$
		\$0		\$
		\$0		\$
		20	.00	S -
		20	SUBTOTAL =	206,845.00