

**AGREEMENT FOR PUBLIC IMPROVEMENTS
FOR
PROJECT NO. TR 22180-2**

This Agreement made and entered into by and between the City of Moreno Valley, State of California, hereinafter called City, and **RSI Communities LLC**, 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 **TR 22180-2** 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 **SIX MILLION SEVEN HUNDRED FIFTY THREE THOUSAND AND NO/100** Dollars (*****\$6,753,000.00*****). 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 **THREE MILLION THREE HUNDRED SEVENTY SIX THOUSAND FIVE HUNDRED AND NO/100** Dollars (*****\$3,376,500.00*****). 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

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 this 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 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 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.

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:

RSI Communities LLC
620 Newport Center Drive
12th Floor
Newport Beach, CA 92660

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

Date approved by the City: _____

RSI Communities LLC:

Developer

By: _____

Signature

Darius Fatakia

Print/Type Name

Vice President Land Development

Title

By: _____

Signature

Patrick Donahue

Print/Type Name

**Division President
Southern California**

Title

**ATTEST:
CITY CLERK
OF THE CITY OF MORENO VALLEY**

By: _____

City Clerk

(SEAL)

CITY OF MORENO VALLEY

By: _____

Mayor

**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.

SIGNATURES OF DEVELOPER MUST BE EXECUTED IN QUADRUPLICATE AND THE EXECUTION OF THE ORIGINAL COPY MUST BE ACKNOWLEDGED BEFORE A NOTARY
ORIGINAL - CITY CLERK; PINK - DEVELOPER; GREEN - SURETY; BLUE - PROJECT FILE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

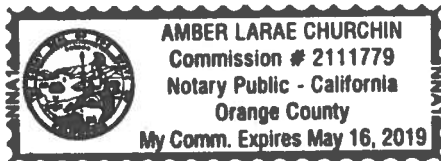
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
 County of Orange)
 On 2/22/17 before me, Amber Larae Churchin, Notary Public,
 Date Here Insert Name and Title of the Officer
 personally appeared Darius Fatakiq
 Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Signature]
 Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____
 Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
 Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
 Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

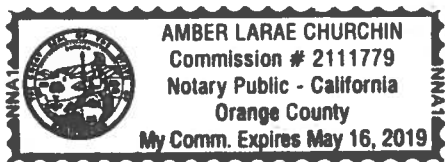
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
 County of Orange)
 On 2/22/17 before me, Amber LaRae Churchin, Notary Public,
 Date Here Insert Name and Title of the Officer
 personally appeared Patrick Donahue
 Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Signature]
 Signature of Notary Public

Place Notary Seal Above

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☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
 Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
 Signer Is Representing: _____

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 1 of 8

VBG
2/21/17

PROJECT: 0 TRACT 22180-2
PUBLIC PAVEMENT SECTIONS

DATE: 07/22/18
PREPARED BY: Vince Giron

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Street Work - Non DIF Non TUMF				
Roadway Excavation	2972 C.Y.		29.00	86,188
A.B. Class II - Street 1	0.75	Thickness (ft.)		
	79401	S.F.	4317 Ton	33.00
A.C. - Street 1	0.45	Thickness (ft.)		
	79401	S.F.	2590 Ton	80.00
Roadway Excavation	2279 C.Y.		29.00	66,091
A.B. Class II - Street 2	0.5	Thickness (ft.)		
	123047	S.F.	4460 Ton	33.00
A.C. - Street 2	0.3	Thickness (ft.)		
	123047	S.F.	2676 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Street Work - DIF				
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Street Work - TUMF				
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
Roadway Excavation	0 C.Y.		29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	33.00
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	80.00
SUBTOTAL:				863,200

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 2 of 8

VBS
2/21/17

PROJECT: 0 PUBLIC STREET WORK

DATE: 07/22/16
PREPARED BY: Vince Giron

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Offsite Street Work				
<i>Pavement</i>				
Grind & Pave 0.15'	1084	S.F.	3.25	3,458
A.C. Cap/Overlay	0	Ton	80.00	0
Slurry Seal (Based on \$150/Ton Type II)	0	S.Y.	2.25	0
Paving Fabric	0	S.Y.	1.20	0
Sawcut	1084	L.F.	3.00	3,192
Utility Trench	4133	L.F.	17.00	70,261
Trench Repaving	480	S.F.	12.00	5,760
Redwood Header	0	L.F.	6.00	0
A.C. Berm - 6"	0	L.F.	10.00	0
A.C. Berm - 8"	0	L.F.	15.00	0
Adjust M.H. to Grade	0	EA.	800.00	0
Adjust Water Valve to Grade	0	EA.	400.00	0
Remove & Dispose Existing Pavement & Base	9481	SF	28.00	265,468
Remove Existing Curb & Gutter	0	L.F.	12.00	0
Remove Existing Concrete	652	S.F.	12.00	7,824
<i>Concrete</i>				
P.C.C. Paving - 6"	0	S.F.	6.50	0
P.C.C. Paving - 8"	0	S.F.	10.50	0
Curb and Gutter - 6"	5908	L.F.	25.00	147,700
Curb and Gutter - 8"	2717	L.F.	30.00	81,510
Curb and Gutter - 8" (DIF Street Name)	0	L.F.	30.00	0
Curb and Gutter - 8" (TUMF Street Name)	0	L.F.	30.00	0
Curb Only - 6"	0	L.F.	20.00	0
Curb Only - 8"	1231	L.F.	25.00	30,775
Curb Only - 8" (DIF Street Name)	0	L.F.	25.00	0
Curb Only - 8" (TUMF Street Name)	0	L.F.	25.00	0
A.C. Curb 6"	0	L.F.	12.00	0
A.C. Curb 8"	0	L.F.	15.00	0
Cross Gutter and Spandrel	3746	S.F.	10.25	38,397
Sidewalk	52896	S.F.	4.25	224,808
Sidewalk (DIF Street Name)	0	S.F.	7.00	0
Sidewalk (TUMF Street Name)	0	S.F.	7.00	0
Median Stamped Concrete	2189	S.F.	14.00	30,646
Driveway Approach - 6"	16530	S.F.	6.50	107,445
Driveway Approach - 8"	212	S.F.	10.50	2,226
Wheelchair Ramp	14	EA.	2,600.00	36,400
Alley Approach - 8"	0	S.F.	10.25	0
1/2 Alley Apron	0	S.F.	10.25	0
Barricade	0	L.F.	100.00	0
Bus Bay	0	EA.	15,000.00	0
<i>Miscellaneous</i>				
Relocate Power Poles	7	EA.	30,000.00	210,000
Relocate Power Poles (DIF Street Name)	0	EA.	30,000.00	0
Erosion Control	25	AC	5,000.00	125,000
Walls - Masonry: 6' Maximum	0	L.F.	100.00	0
Walls - Retaining: 6' Maximum	0	L.F.	150.00	0
Reinforced P.C.C. Retaining Walls	0	C.Y.	780.00	0
				0
		SUBTOTAL:		1,390,870
Traffic Improvements (Plan Checked by Trans. Eng. Staff/Inspected by LDD Staff)				
Traffic Striping/raised pavement markers	1	L.S.	-	14,288
Traffic Striping (DIF Street -Perris Blvd)	1	L.S.	-	0
Street Name Sign	7	EA.	500.00	3,500
Stop Sign	1	EA.	200.00	200
Signs and Posts	36	EA.	200.00	7,200
Signs and Posts (DIF Street -Perris Blvd)	0	EA.	200.00	0
Street Sweeping Sign	5	EA.	200.00	1,000
Warning Markers - Type L, Type N	0	EA.	100.00	0
Traffic Control	1	L.S.	10,000.00	10,000
Traffic Control (DIF Street Name)	0	L.S.	10,000.00	0
Traffic Signal PB-Adjust to Grade	0	EA.	800.00	0
Metal Guard Rail	0	L.F.	90.00	0
		SUBTOTAL:		36,188
Bondable Street Work Only (Not Plan Checked but Inspected)				
Undergrounding of Utilities	660	L.F.	203.00	133,980
Cluster Mail Boxes	0	EA.	4,500.00	0
Relocate Mailbox	0	EA.	350.00	0
Relocate Cluster Mailbox	0	EA.	1,200.00	0
Monuments	0	EA.	300.00	0
Relocate Trees	0	EA.	2,500.00	0
		SUBTOTAL:		133,980

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 3 of 8

PROJECT:

0

DATE:

07/22/16

PREPARED BY:

Vince Giron

PUBLIC STREET WORK (CONTINUED)

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Special Districts				
Landscaping - Medians	5350	S.F.	6.00	32,100
Landscaping - Parkways	0	S.F.	6.00	0
100W HPSV or Equivalent (9,500 Lumens)	22	EA.	5,000.00	110,000
200W HPSV or Equivalent (22,000 Lumens)	13	EA.	6,000.00	78,000
250W HPSV or Equivalent	0	EA.	6,000.00	0
100W LED or Equivalent	0	EA.	5,000.00	0
145W LED or Equivalent	0	EA.	5,000.00	0
SPECIAL DISTRICTS SUBTOTAL:				220,100
Moreno Valley Utilities				
Electrical Utility Infrastructure	1	L.S.	715,000.00	715,000
MVU SUBTOTAL:				715,000
Parks & Community Services				
Aqueduct Linear Park	1	L.S.	603,090.00	603,090
Water Quality Basin				
Landscaping	0	S.F.	6.00	0
Filtration Devices	0	EA.	0.00	0
Access Ramp PCC	0	S.F.	0.00	0
Low-Flow Pipe System	0	L.F.	0.00	0
Headwalls	0	EA.	0.00	0
Outlets	0	EA.	0.00	0
Risers	0	EA.	0.00	0
Forebay PCC	0	S.F.	0.00	0
Toe of slope protection PCC	0	S.F.	20.00	0
WQB SUBTOTAL:				0
Transportation Engineering (Plan Checked and Inspected by Transp. Eng. Staff)				
Traffic Signal New (Interconnect, Controller, Software, Initial Coordination)	0	EA.	272,000.00	0
Traffic Signal Modification	1	L.S.	163,200.00	163,200
Traffic Signal Interconnect (Existing Signals Only)	0	L.F.	30.00	0
TRANSPORTATION SUBTOTAL:				163,200

VB6
2/21/17

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 4 of 8

VB6
2/21/17

PROJECT: 0

DATE: 07/22/16
PREPARED BY: Vince Giron

PUBLIC STORM DRAIN SYSTEM

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Pipe				
12" Reinforced Concrete Pipe	0	L.F.	130.00	0
18" Reinforced Concrete Pipe	0	L.F.	140.00	0
24" Reinforced Concrete Pipe	338	L.F.	160.00	54,080
24" Reinforced Concrete Pipe (DIF Street Name)	0	L.F.	160.00	0
30" Reinforced Concrete Pipe	695	L.F.	180.00	125,100
36" Reinforced Concrete Pipe	633	L.F.	190.00	120,270
39" Reinforced Concrete Pipe	0	L.F.	200.00	0
42" Reinforced Concrete Pipe	0	L.F.	210.00	0
60" Reinforced Concrete Pipe	0	L.F.	350.00	0
66" Reinforced Concrete Pipe	0	L.F.	375.00	0
72" Reinforced Concrete Pipe	0	L.F.	414.00	0
78" Reinforced Concrete Pipe	0	L.F.	459.00	0
84" Reinforced Concrete Pipe	0	L.F.	505.00	0
90" Reinforced Concrete Pipe	0	L.F.	557.00	0
96" Reinforced Concrete Pipe	0	L.F.	613.00	0
102" Reinforced Concrete Pipe	0	L.F.	671.00	0
108" Reinforced Concrete Pipe	0	L.F.	724.00	0
114" Reinforced Concrete Pipe	0	L.F.	785.00	0
12" HDPE	0	L.F.	45.00	0
18" HDPE	0	L.F.	50.00	0
24" HDPE	0	L.F.	55.00	0
30" HDPE	0	L.F.	60.00	0
36" HDPE	0	L.F.	70.00	0
42" HDPE	0	L.F.	80.00	0
48" HDPE	0	L.F.	90.00	0
54" HDPE	0	L.F.	125.00	0
60" HDPE	0	L.F.	140.00	0
4" PVC SCH. 40	0	L.F.	25.00	0
4" PVC SCH. 80	0	L.F.	30.00	0
6" PVC SCH. 40	0	L.F.	30.00	0
6" PVC SCH. 80	0	L.F.	35.00	0
8" PVC SCH. 40	0	L.F.	40.00	0
8" PVC SCH. 80	0	L.F.	48.00	0
Reinforced Concrete Structure	0	C.Y.	500.00	0
Remove exc. 57" RCP	10	L.F.	70.00	700
8' X 12' Reinforced Concrete Box	0	C.Y.	1400.00	0
2 - 72" Reinforced Concrete Pipe	0	L.F.	840.00	0
3 - 4' X 2' Reinforced Concrete Pipe	0	L.F.	461.00	0
	0		0.00	0
Manholes				
Manhole No. 1	2	EA.	5000.00	10,000
Manhole No. 2	0	EA.	7200.00	0
Manhole No. 3	0	EA.	8500.00	0
Manhole No. 4	5	EA.	10000.00	50,000
Concrete Pad 6' x 6" (#4 bars @18")	0	EA.	150.00	0
	0		0.00	0
Catch Basins				
Catch Basin (3.5')	0	EA.	3100.00	0
Catch Basin (7')	11	EA.	5500.00	60,500
Catch Basin (10')	4	EA.	6700.00	26,800
Catch Basin (14')	1	EA.	8000.00	8,000
Catch Basin (21')	0	EA.	12500.00	0
Local Depressions	16	EA.	535.00	8,560
Catch Basin (3.5') (DIF Street Name)	0	EA.	3100.00	0
Catch Basin (7') (DIF Street Name)	0	EA.	5500.00	0
Catch Basin (10') (DIF Street Name)	0	EA.	6000.00	0
Catch Basin (14') (DIF Street Name)	0	EA.	8000.00	0
Catch Basin (21') (DIF Street Name)	0	EA.	12500.00	0
Local Depressions (DIF Street Name)	0	EA.	535.00	0
24" X 24" Grate basin	0	EA.	2500.00	0
18" X 18" Grate Basin	0	EA.	2100.00	0
6" Wide Strip Basin	0	EA.	3000.00	0
Removal/Relocation- Catch Basin	0	EA.	5000.00	0
Grated Catch Basin	0	EA.	6000.00	0

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 5 of 8

PROJECT: 0

DATE: 07/22/16
PREPARED BY: Vince Giron

PUBLIC STORM DRAIN SYSTEM (CONTINUED)

VR6
2/21/17

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Structures				
Transition Structure	0	EA.	5500.00	0
Junction Structure No. 2	3	EA.	6500.00	19,500
Type IX Inlet Structure	0	EA.	2500.00	0
Inlet Structure (drop)	0	EA.	4000.00	0
Outlet Structure	0	EA.	8000.00	0
Concrete Collar (to 48")	0	EA.	3000.00	0
Headwall	0	EA.	5500.00	0
Concrete Collar (Grater than 48")	0	EA.	5000.00	0
Modified Junction Structure	0	EA.	15000.00	0
Join Existing Structure (Special Connection)	2	EA.	5000.00	10,000
End Cap	0	EA.	1000.00	0
Drains				
Terrace Drain	0	S.F.	10.00	0
Down Drain	0	S.F.	10.00	0
Parkway Drain	1	EA.	3500.00	3,500
Under Sidewalk	0	EA.	600.00	0
Curb Outlet	0	EA.	250.00	0
"V" Gutter	0	S.F.	10.00	0
EODE Concrete Channel	0	C.Y.	250.00	0
Miscellaneous				
Rip Rap	0	TON	60.00	0
Concrete Pipe Slope Anchor	0	EA.	2500.00	0
Manhole Shaft	0		6000.00	0
6'x6'x6' Concrete Pad	1		150	150
CDF (Compact Density Fill)	10	C.Y.	100	1,000
Slurry Backfill 420-C-2000	97	C.Y.	110	10,670
SUBTOTAL:				508,830
RCFC&WCD				
48" Reinforced Concrete Pipe (RCFC)	351	L.F.	235.00	82,485
54" Reinforced Concrete Pipe (RCFC)	191	L.F.	266.00	50,806
54" Reinforced Concrete Pipe w/Trench and Overlay (RCFC)	60	L.F.	293.00	17,580
Remove exc. 57" RCP (RCFC)	10	L.F.	70.00	700
Manhole No. 4 (RCFC)	6	EA.	6500.00	39,000
Junction Structure No. 2 (RCFC)	1	EA.	6500.00	6,500
Concrete Bulkhead (RCFC)	1	EA.	1000.00	1,000
Slurry Backfill 420-C-2000 (RCFC)	27	C.Y.	110	2,970
Sewer Protection (RCFC)	2	EA.	1500	3,000
6'x6'x6' Concrete Pad (RCFC)	1		150	150
SUBTOTAL:				204,191

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 6 of 8

PROJECT: 0

DATE: 07/22/16
PREPARED BY: Vince Giron

PUBLIC WATER SYSTEMS

VBC
2/21/17

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Pipes - Water System				
4" PVC C-900	0	L.F.	25.00	0
6" PVC C-900	0	L.F.	30.00	0
8" PVC C-900	3145	L.F.	35.00	110,075
10" PVC C-900	0	L.F.	40.00	0
12" PVC C-900	1305	L.F.	55.00	71,775
16" PVC C-900	0	L.F.	90.00	0
18" PVC C-900	0	L.F.	135.00	0
20" PVC C-900	0	L.F.	180.00	0
	0	L.F.	0.00	0
Valves - Water System				
4" Gate Valve	0	EA.	715.00	0
6" Gate Valve	0	EA.	830.00	0
8" Gate Valve	8	EA.	1,340.00	10,720
10" Gate Valve	0	EA.	1,500.00	0
12" Gate Valve	4	EA.	2,300.00	9,200
16" Gate Valve	0	EA.	6,270.00	0
18" Gate Valve	0	EA.	14,300.00	0
4" Butterfly Valve	0	EA.	330.00	0
6" Butterfly Valve	0	EA.	520.00	0
8" Butterfly Valve	0	EA.	990.00	0
10" Butterfly Valve	0	EA.	1,200.00	0
12" Butterfly Valve	0	EA.	1,800.00	0
16" Butterfly Valve	0	EA.	2,700.00	0
18" Butterfly Valve	0	EA.	2,800.00	0
20" Butterfly Valve	0	EA.	4,200.00	0
24" Butterfly Valve	0	EA.	5,200.00	0
1" Air Vac Release	0	EA.	2,400.00	0
2" Air Vac Release	0	EA.	4,000.00	0
2" Backflow Preventor, Pad & Cover	0	EA.	4,300.00	0
4" Blow Off	0	EA.	3,500.00	0
6" Blow Off	2	EA.	4,000.00	8,000
	0		0.00	0
Fire Hydrants - Water System				
6" Standard Fire Hydrants	14	EA.	4,000.00	56,000
6" Super Fire Hydrants	5	EA.	4,500.00	22,500
	0		0.00	0
Services Connections				
1" Service	0	EA.	800.00	0
1" Service w/ 5/8" Service	87	EA.	2,000.00	174,000
1 1/2" Service	0	EA.	1,100.00	0
2" Service	0	EA.	1,600.00	0
	0		0.00	0
Fittings - Water System				
Misc. Fittings 4"	0		120.00	0
Misc. Fittings 6"	0		160.00	0
Misc. Fittings 8"	6	EA.	200.00	1,200
Misc. Fittings 10"	0		240.00	0
Misc. Fittings 12"	2		750.00	1,500
	0		0.00	0
Water Meters - Water System				
5/8" Meter	0		230.00	0
1" Meter	0	EA.	320.00	0
1 1/2" Meter	0		420.00	0
2" Meter	0		525.00	0
	0		0.00	0
Hot Tap Connections - Water System				
6" Hot Tap	0	EA.	1,750.00	0
8" Hot Tap	0	EA.	2,200.00	0
12" Hot Tap	0	EA.	3,150.00	0
Hot Tap Service Clamp	0	EA.	1,000.00	0
Water Service	0	EA.	330.00	0
	0		0.00	0
Miscellaneous - Water System				
Thrust Block	0	CY	150.00	0
Jack & Bore	0	L.F.	300.00	0
Joint at Existing 8"	2	EA.	650.00	1,300
Adjust Water Meter Box to Grade	0	EA.	235.00	0
	0		0.00	0
SUBTOTAL:				466,270

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 7 of 8

VBS
2/21/17

PROJECT: 0

DATE: 07/22/16
PREPARED BY: Vince Giron

PUBLIC SEWER SYSTEMS

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
Pipes - Sewer System				
4" V.C. Pipe	0	L.F.	25.00	0
6" V.C. Pipe	0	L.F.	40.00	0
8" V.C. Pipe	0	L.F.	55.00	0
10" V.C. Pipe	0	L.F.	60.00	0
12" V.C. Pipe	0	L.F.	70.00	0
15" V.C. Pipe	0	L.F.	80.00	0
18" V.C. Pipe	0	L.F.	160.00	0
21" V.C. Pipe	0	L.F.	180.00	0
24" V.C. Pipe	0	L.F.	195.00	0
27" V.C. Pipe	0	L.F.	215.00	0
30" V.C. Pipe	0	L.F.	235.00	0
33" V.C. Pipe	0	L.F.	280.00	0
36" V.C. Pipe	0	L.F.	300.00	0
4" SDR - 35	2822	L.F.	25.00	70,550
6" SDR - 35	0	L.F.	30.00	0
8" SDR - 35	3072	L.F.	35.00	107,520
10" SDR - 35	1469	L.F.	45.00	66,105
12" SDR - 35	0	L.F.	54.00	0
15" SDR - 35	0	L.F.	90.00	0
Concrete Encasement	3	L.F.	20.00	60
	0		0.00	0
Cleans Outs - Sewer System				
Clean-outs	0	EA.	730.00	0
Clean Out Lateral	0	EA.	200.00	0
Backwater Valves	6	EA.	500.00	3,000
Manholes - Sewer System				
Standard Manhole 48"	20	EA.	3,140.00	62,800
Standard Manhole 48" Extra Depth	0	EA.	3,500.00	0
Standard Manhole 60"	0	EA.	4,500.00	0
Shallow Manhole	0	EA.	3,300.00	0
Adjust Manhole to Grade	0	EA.	630.00	0
Tie Into Existing Manhole	2	EA.	2,100.00	4,200
Rechannel Existing Manhole	0	EA.	1,500.00	0
Join Existing 8" Pipe	0	EA.	1,500.00	0
Join Existing 12" Pipe	0	EA.	2,000.00	0
Pavement around MH	0	S.F.	14.00	0
	0		0.00	0
Miscellaneous - Sewer System				
Wyes	87	EA.	90.00	7,830
TV Sewer	0	L.F.	1.20	0
Trench Paving	0	S.F.	5.00	0
Pavement Replacement	0	S.F.	3.00	0
SUBTOTAL:				322,065

EXHIBIT "A"
ENGINEER'S ESTIMATE

Sheet 8 of 8

VRG
2/21/17

CITY OF MORENO VALLEY
PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT DIVISION
BOND COMPUTATION SHEET

PROJECT: 0

DATE: 07/22/16
PREPARED BY: Vince Glron

IMPROVEMENT TYPE:

PAVEMENT SECTION WORK	:	\$863,200
OFFSITE STREET WORK	:	\$1,390,870
SPECIAL DISTRICTS	:	\$220,100
MORENO VALLEY UTILITIES	:	\$715,000
PARKS & COMMUNITY SERVICES	:	\$603,090
WATER QUALITY BASIN	:	\$0
TRANSPORTATION ENGINEERING	:	\$163,200
STORM DRAIN SYSTEM	:	\$508,830
STORM DRAIN SYSTEM (RCFC&WCD)	:	\$204,191
WATER SYSTEM	:	\$466,270
SEWER SYSTEM	:	\$322,065
TRAFFIC IMPROVEMENTS	:	\$36,188
MONUMENTS/OTHER	:	\$133,980

TOTAL COST (VALUE) OF IMPROVEMENTS: \$5,626,983

+20% CONTINGENCY: \$1,125,397

GRAND TOTAL: \$6,752,380

FAITHFUL PERFORMANCE SECURITY AMOUNT: \$6,753,000

LABOR & MATERIAL SECURITY AMOUNT: \$3,376,500

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

