

# Addendum No. 1 Hunter Creek Reservoir Walking Path Rehabilitation

TMWA Bid No.: 2018-016 TMWA Capital Project No.: 21-0010 April 2, 2018

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. **The bid date and time and construction schedule has changed, please refer to Clarification Item No. 1 below**.

#### **CLARIFICATION**

**Clarification Item No. 1:** The date and time for the bid opening for this project has been changed from April 3, 2018 at 1:00 p.m. to:

### APRIL 5, 2018, AT 1:00 P.M.

**Clarification Item No. 2:** An Erosion Control Measures bid item No. 10 has been added to the bid schedule. See revised drawings G2 and D1 for BMP details. Please remove the Entire Section referred to as Bid Proposal Forms and replace it with the attached Revised Bid Proposal Forms dated April 2,2018.

END OF ADDENDUM NO. 1 QUESTION CUT-OFF DATE: MARCH 30, 2018

# BID PROPOSAL FORMS **REVISED 4/2/18**

#### **BID BOND**

#### KNOW ALL MEN BY THESE PRESENTS, that I/We

as	Principal,	hereinafter	called	Contractor,	and
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a corporation duly organized or authorized to do business under the laws of the State of Nevada, as Surety, hereinafter called the Surety, are held and firmly bound unto Truckee Meadows Water Authority, a joint powers authority created pursuant to NRS Chapter 277, for the sum of

\$ Dollars
(state sum in words)

for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents. This bond shall be governed by the laws of the State of Nevada.

WHEREAS, the Principal has submitted a bid, identified as TMWA BID No.: 2018-016 and titled "Hunter Creek Reservoir Walking Path Rehabilitation."

NOW, THEREFORE if Truckee Meadows Water Authority shall accept the bid of the Principal and the Principal shall enter into a contract with Truckee Meadows Water Authority in Accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to Truckee Meadows Water Authority the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which Truckee Meadows Water Authority may in good faith contract with another party to perform work covered by said bid or an appropriate liquidated amount as specified in the Invitation for Bids then this obligation shall be null and void, otherwise to remain in full force and effect.

Executed on this

day of

(Signature of Principal)	Name:
	Title:
(Seal)	Firm:
	Address:
	City/ State / Zip Code:
	Written Name of Principal:
(Signature of Notary)	ATTEST NAME:
Subscribed and sworn before me this day of	, 20
(printed name of notary)	Notary Public for the State of
Claims Under This Bond May Be Addressed To:	
Name of Surety	
Address	
City	
State/Zip Code	
Name	
Title	
Phone	
Surety's Acknowledgment	
NOTICE: No substitution or ravision to this hand form will	be accounted. Suretice must be authorized to do business in and have

**NOTICE:** No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service of process in the State of Nevada. Certified copy of Power of Attorney must be attached.

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### **BID SCHEDULES**

TMWA Bid#: 2018-016

**BID TITLE:** Hunter Creek Reservoir Walking Path Rehabilitation

NOTICE: No substitution or revision to this Bid Schedule form will be accepted. Truckee Meadows Water

Authority will reject any Bid that is received that has changes or alterations to this document. Prevailing Wages do not apply to this project; however, should Prevailing Wages become applicable, the bidder is responsible to verify with the Labor Commissioner if any addendums have been issued.

**PRICES** must be valid for 30 calendar days after the bid opening.

**A COPY OF THE "CERTIFICATE"** of eligibility to receive a preference in bidding on public works issued to him/her by the State Contractors' Board and (if claiming Locals Preference) the Local's Preference Affidavit (provided above) must be submitted with his/her bid to the Contracts Division for the preference to be considered. These Statutes do not apply to projects expected to cost less than \$250,000.

<u>COMPLETION</u> of this project is expected <b>PURSUANT TO CONTRACT DOCUMENTS</b> .
<b>BIDDER</b> acknowledges receipt of Addendums.
Item pricing on this schedule is for use in preparing the schedule of values that will be used as a basis for partial payment during construction and for internal TMWA use. Item descriptions are not intended to be all inclusive. Bidders shall include costs for work not specifically mentioned in the most appropriate item.
Refer to Article 7 of the General Conditions for a list of items that may be included in the mobilization bid item. TMWA reserves the right to perform extra work using time and expense or negotiated lump sum procedures.
The Contract Sum will be adjusted (increased or decreased) for actual quantities per unit price items. Lump sum items will not be adjusted.
Compliance with all permit and environmental requirements is incidental to the Work. No separate bid item, or additional payment provisions, shall be made for operational constraints or conditions placed on the Work by permitting agency requirements.
(ai machura)
(signature)

#### **SUMMARY**

Description	Scheduled		Unit	Total
	Value	Unit	Price	Price
1. MOB/DEMOB	1	LS		
2. REMOVE EXISTING BOLLARD	15	EA		
3. CLEARING AND GRUBBING	1	LS		
4. PULVERIZATION	16,552	SF		
5. LINEAR DRAIN	335	LF		
6. CROSS DRAIN	45	LF		
7. HOT MIX ASPHALT	16,552	SF		
8. TREE ROOT BARRIER	100	LF		
9. REMOVABLE TYPE BOLLARD INSTALLATION	3	EA		
10. BMPs	1	LS		
TOTAL BID PRICE				

Total Bid Price Written in Words:	

### Notes to Bid Schedule:

- 1. Item pricing on this schedule is for use in preparing the schedule of values that will be used as a basis for partial payment during construction and for internal TMWA use. Bidders shall include all costs to complete the work in compliance with the contract documents.
- 2. Refer to Article 7 of the General Conditions for a list of items that may be included in the mobilization bid item.
- 3. TMWA reserves the right to perform extra work using time and expense or negotiated lump sum procedures. All T&M work shall be coordinated in the field with the TMWA representative.

BID	DER INFORMATION:
	Company Name:
	Address:
	City:
	State / Zip Code:
	Telephone Number including area code:
	Fax Number including area code:
	E-mail:
LIC	ENSING INFORMATION:
	Nevada State Contractor's License Number:
	License Classification(s):
	Limitation(s) of License:
	Date Issued:
	Date of Expiration:
	Name of Licensee:
	City, State, Zip Code of Licensee:
	Telephone Number of Licensee:
	Business License Number:
	Date Issued:
	Date of Expiration:
	Name of Licensee:
	City, State, Zip Code of Licensee:
	Telephone Number of Licensee:

Taxpayer Identification Number:

### **DISCLOSURE OF PRINCIPALS:**

1. Individual and/or Partnership:
Owner 1) Name:
Address:
City, State, Zip Code:
Telephone Number:
Owner 2) Name:
Address:
City, State, Zip Code:
Telephone Number:
Other 1) Title:
Name
Other 2) Title:
Name:
2. Corporation:
State in which Company is Incorporated:
Date Incorporated:
Name of Corporation:
Address
City, State, Zip Code:
Telephone Number:
President's Name:
Vice-President's Name:
Other 1) Name:
Title:
Other 2) Name:
Title

# BID SCHEDULES **REVISED 4/2/18**

(Cont)

MANAGEMENT AND SUPERVISORY PERSONNEL:

Persons and Positions	Years With Firm
Name	
Title	
Name	
Title	
Name	
Title	

(If additional space is needed, attach a separate page)

### **REFERENCES:**

### 1. **Instructions:**

List at least three (3) contracts of a similar nature performed by your firm in the last three (3) years. If **NONE**, use your Company's letterhead (and submit with your bid proposal) a list what your qualifications are for this contract. Truckee Meadows Water Authority reserves the right to contact and verify, with any and all references listed, the quality of and the degree of satisfaction for such performance. See the Supplemental Conditions for the TMWA Project Category required for this project.

2. <u>Clients:</u> (if additional space is needed attach a separate page)

Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Owner's Representative :	Telephone #
Owner 5 representative.	Telephone #
Address (inc. City, State & Zip):	Telephone #
<u> </u>	Telephone #
Address (inc. City, State & Zip):	Telephone #
Address (inc. City, State & Zip):  Owner's Representative's E-mail:	Date Completed:
Address (inc. City, State & Zip):  Owner's Representative's E-mail:  Superintendent:	

Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Project Name:	
Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	
Project Name:	
Owner's Representative :	Telephone #
Address (inc. City, State & Zip):	
Owner's Representative's E-mail:	
Superintendent:	
Amount of Contract:	Date Completed:
Project Title:	
TMWA Project Category:	

# BID SCHEDULES REVISED 4/2/18

(Cont)

# CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

- 1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or Local department or agency.
  - b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
  - c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or Local) terminated for cause or default.

2. Where the prospective primary participant is unable prospective participant shall attach an explanation to		in this certification, such
Signature of Authorized Certifying Official	Title	
Printed Name	Date	
I am unable to certify to the above statement. My expla	nation is attached.	
Signature	Date	

### **BIDDER'S SAFETY INFORMATION**

#### **Bidder's Safety Factors:**

Year	"E-Mod" Factor <sup>1</sup>	OSHA Incident Rate <sup>2</sup>
2016		
2017		

<sup>&</sup>lt;sup>1</sup> E-Mod (Experience Modification) Factors are issued by the National Council on Compensation Insurance (NCCI).

OSHA Incident Rate is the number of OSHA Recordable Accidents multiplied by 200,000 and then dividing that result by the total number of annual man-hours. Please refer to the U.S. Department of Labor Occupational Safety and Health Administration's website for calculating worksheets and current requirements.

# BID SCHEDULES REVISED 4/2/18

(Cont)

# NRS 338.141 LIST OF SUBCONTRACTORS AND CONTRACTOR SELF PERFORMANCE EXCEEDING FIVE PERCENT OF BID AMOUNT (FIVE PERCENT LIST)

**INSTRUCTIONS:** List each first tier subcontractor who will be paid an amount **exceeding five percent** (5%) of the Bid amount and Contractor if it will self-perform work exceeding five (5) percent of bid amount This information must be submitted with your bid proposal. The bidder shall enter "NONE" under "Name of Subcontractor" if not utilizing subcontractors exceeding this amount. (This form must be complete in all respects. If, additional space is needed, attach a separate page).

Name of Contractor	Address	
Phone	Nevada Contractor License # Limit of License	
	elf performed by Contractor or statement that C by listed subcontractor(s):	Contractor will perform all work other
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License # Limit of License	
Description of work:		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work:		

# BID SCHEDULES **REVISED 4/2/18**

(Cont)

# FIRST TIER SUBCONTRACTORS AND CONTRACTOR SELF PERFORMANCE EXCEEDING \$250,000, ONE PERCENT OF BID AMOUNT OR \$50,000

(TWO HOUR LIST)

<u>INSTRUCTIONS:</u> List each first tier subcontractor who will be paid an amount exceeding a) <u>\$250,000</u>; and b) <u>one percent (1%) of the Bid amount, or \$50,000, whichever is greater,</u> and list Contractor if it will self-perform work exceeding one (1) percent of bid amount. This information must be submitted by the three lowest bidders within two (2) hours after the completion of the opening of the bids. Bidder shall enter "NONE" under "Name of Subcontractor" if not utilizing subcontractors exceeding this amount. (This form must be complete in all respects. If, additional space is needed, attach a separate page). Bidder may elect to submit this Two Hour List with the bid proposal and, in that case, the Bidder will be considered as having timely submitted the Two Hour List.

Name of Contractor Address Phone Nevada Contractor License # Limit of License Description of work being self performed by Contractor or statement that Contractor will perform all work other than that being performed by listed subcontractor(s): Name of Subcontractor Address Phone Nevada Contractor License # Limit of License Description of work: Name of Subcontractor Address Limit of License Phone Nevada Contractor License # Description of work: Name of Subcontractor Address Phone Nevada Contractor License # Limit of License Description of work: Name of Subcontractor Address Phone Nevada Contractor License # Limit of License Description of work:

# **Local Preference Affidavit**

This preference does not apply to projects expected to cost less than \$250,000. If the bid submitted is over \$250,000, this completed affidavit must be submitted with your bid response to be considered.

State of	)			
County of	)ss.			
County of	)			
I,	, on behalf of	the Contractor,		_ ("Contractor")
hereby certify and affirm Revised Statutes Chapter	, on behalf of ander penalty of perjury, for 338 on <b>TMWA BID No.:</b>	purposes of qualifying for, Project Name	a preference in biddin	g under Nevada
("Project"), that the follow collectively, and not on an	338 on TMWA BID No.: _ ving requirements will be act by specific day:	lhered to, documented and	attained for the duratio	on of the Project,
	ent of the workers employe ard issued by the Nevada De			valid driver's
2. All vehicles use apportioned to Nevada; or	ed primarily for the public w (b) registered in Nevada.	vork will be (a) registered a	and (where applicable)	partially
professionals who work or	eceive a preference in biddin the Project (including sub- artment of Motor Vehicles;	-contractors) hold a valid d		
	and any subcontractor enga all payroll records related to		all maintain and make	available for
Meadows Water Authority recognizes and accepts that	accepts that failure to compy ("Authority") to a penalty at failure to comply with any its ability to bid on any con	in the amount set by statutory requirements herein may	e. In addition, the Cont lose its certification for	ractor r a preference in
Ву:		Title:		
Signature:		Date:		
Signed and sworn to (or a	affirmed) before me on this	day of		. 20
by	(name of	person making statement).		,,
	CELLAD AND CE	14.4		
Notary Signature	STAMP AND SE	ŁAL		

## **ACKNOWLEDGMENT AND EXECUTION**

STATE OF	
) SS County of )	
	(A) (D; ; 1)
Hereby deposes and says under the penalty of perjury:	(Name of Principal)
read the Plans, Specifications, and related documents i and requirements thereof; that if his/her bid is accepted by Truckee Meadows Water Authority (Owner) and t	e Contractor for whom the aforesaid described work is to be performed by; that he/she has including but not limited to, any addendums issued and understands the terms, conditions, that he/she agrees to furnish and deliver all materials except those specified to be furnished to do and perform all work for the "
The undersigned, as bidder, declares that the bidder is fully informed respecting the preparation and this proposal is made without collusion with any other work; the annexed proposed form of Contract, the Creferred to and made part thereof; that he/she proposes Water Authority in the form of the Contract prescribed to do all the work and furnish all the materials specified and time prescribed and according to the requirements	DCKEE MEADOWS WATER AUTHORITY, NEVADA: only persons or parties interested in this proposal, as principals, are those named herein, the discontents of the attached Bid and of all pertinent circumstances respecting such Bid: that person, firm or corporation; that he/she has carefully examined the location of the proposed Contract Provisions, Plans, Specifications and Contract Documents incorporated therein is and agrees if this proposal is accepted, that he/she will contract with Truckee Meadows, to provide all necessary machinery, tools, apparatus and other means of construction, and din the Contract and annexed Contract Provisions, Plans and Specifications, in the manner of the Project Representative as therein set forth, it being understood and agreed that the subject to increase or decrease, and that he/she will accept, in full, payment therefore the
	Contractor/Bidder:
(Printed Name of Contractor/Bidder)	BY:
	Firm:
	Address:
L.S.	City:
	State / Zip Code:
	Telephone Number:
	Fax Number:
	E-mail Address:
(Signature of Principal)	Signature:
	DATED this day of , 20
State of Nevada )	
) S.S. County of)	
On this day of	, in the year 20, before me,
/Notary Public, personally appeared	Personally known to me (or proved
to me on the basis of satisfactory evidence) to be the pexecuted it. WITNESS my hand and official seal.	person whose name is subscribed to this instrument, and acknowledged that he (she)
Notary's Signature:	My commission Expires:

# SPECIAL TECHNICAL SPECIFICATIONS (STS)

### **GENERAL**

EXCEPT AS MODIFIED IN THESE STS, ALL MATERIALS FURNISHED AND WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH THE 2016 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ORANGE BOOK). UNLESS OTHERWISE NOTED IN THESE STS OR DIRECTED BY THE ENGINEER, THE ORDER OF WORK SHALL GENERALLY FOLLOW THE ORDER OF THESE STS.

### INSPECTION AND TESTING

QUALITY ASSURANCE TESTING AND INSPECTION WILL BE PROVIDED BY TMWA. QUALITY CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ALL SAMPLES SHALL BE FURNISHED BY THE CONTRACTOR WITHOUT COST TO TMWA. ANY RETESTS DUE TO FAULTY WORKMANSHIP OR MATERIALS SHALL BE PAID FOR BY THE CONTRACTOR.

### REMOVE EXISTING BOLLARDS

EXISTING BOLLARDS CALLED FOR REMOVAL ON THE PLANS SHALL BE REMOVED AND HAULED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. THE BOLLARDS AND CONCRETE BACKFILL SHALL BE REMOVED BY THE CONTRACTOR AND THE EXPOSED VOID SHALL BE BACKFILLED WITH COMPACTED AGGREGATE BASE.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO REMOVE EXISTING BOLLARDS AS INDICATED ON THE PLANS. THIS WORK SHALL CONSIST OF DEMOLISHING THE BOLLARDS, REMOVING THEM FROM THE SITE, AND BACKFILLING WITH COMPACTED AGGREGATE BASE.

AGGREGATE BASE SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200.01.03 OF THE ORANGE BOOK.

"REMOVE EXISTING BOLLARDS" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER EACH BOLLARD REMOVED AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF SIGNIFICANT EROSION AND SILTATION ENTERING THE PONDS. EROSION CONTROL MEASURES SHOWN ON THESE PLANS IS INTENDED AS A GUIDE AND ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS. REFER TO SHEET D1 FOR TEMPORARY BMP DETAILS. "EROSION CONTROL MEASURES" SHALL BE PAID AT THE LUMP SUM CONTRACT UNIT PRICE BID AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### CLEARING AND GRUBBING

CLEARING AND GRUBBING SHALL CONSIST OF REMOVING ALL NATURAL AND ARTIFICIAL OBJECTIONABLE MATERIALS FROM THE AREAS SPECIFIED ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ADVANCE OF OR CONCURRENT WITH PULVERIZATION OPERATIONS.

THE PATH SHOULDERS SHALL CLEARED OF ALL ORGANIC GROWTH, SUCH AS SOD, TREE ROOTS, BRUSH, GRASS, AND WEEDS IN THE AREAS INDICATED ON THE PLANS TO A MINIMUM DEPTH OF 1' BELOW EXISTING GRADE. WILLOWS, TREES, AND TREE BRANCHES SHALL ALSO BE REMOVED AS INDICATED ON THE PLANS.

ALL MATERIALS REMOVED SHALL BE HAULED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. THE CLEARED AND GRUBBED AREA SURFACE SHALL BE RECOMPACTED TO 90% MAXIMUM DRY DENSITY PRIOR TO PLACEMENT OF PULVERIZED MATERIAL SHOULDERING.

THIS WORK SHALL INCLUDE ALL LABOR. EQUIPMENT. MATERIALS, AND ALL INCIDENTALS NECESSARY TO REMOVE, CLEAR AND GRUB MATERIALS, AND RECOMPACT THE PATH SHOULDERS AS INDICATED ON THE PLANS.

"CLEARING AND GRUBBING" SHALL BE PAID AT THE LUMP SUM CONTRACT UNIT PRICE BID AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### **PULVERIZATION**

THE EXISTING ASPHALT PATH AND SUBGRADE MATERIAL SHALL BE PULVERIZED TO THE DEPTH INDICATED ON THE PLANS. THE PULVERIZED MATERIAL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

3"	100
2"	95 - 10
3/4"	70 - 10
NO. 4	20 - 70
NO. 200	0 - 12

SIEVE SIZE

PERCENT PASSING (%)

THE PULVERIZED MATERIAL SHALL BE TRIMMED AS INDICATED ON THE PLANS AND THE REMAINING MATERIAL SHALL BE SHAPED, GRADED, AND COMPACTED. THE CONTRACTOR SHALL MAINTAIN THE COMPACTED PULVERIZED MATERIAL IN AN ACCEPTABLE CONDITION UNTIL PAVING OPERATIONS ARE COMPLETE. THE TRIMMED PULVERIZED MATERIAL SHALL BE STOCKPILED AT AN ONSITE LOCATION ACCEPTABLE TO TMWA AND THEN USED FOR SHOULDERING MATERIAL AFTER PAVING OPERATIONS ARE COMPLETE.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO COMPLETE PULVERIZATION AS INDICATED ON THE PLANS. THIS WORK SHALL CONSIST OF PULVERIZING THE EXISTING PAVEMENT AND SUBGRADE SECTION, TRIMMING THE PULVERIZED MATERIAL, AND GRADING AND COMPACTING THE PULVERIZED MATERIAL. THIS WORK SHALL ALSO CONSIST OF STOCKPILING THE PULVERIZED MATERIAL AND THEN PLACING AND COMPACTING THIS MATERIAL FOR THE NEW SHOULDER SURFACING AS INDICATED ON THE PLANS.

"PULVERIZATION" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT MEASURED TO THE NEAREST WHOLE SQUARE FOOT AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### LINEAR DRAIN

LINEAR DRAIN SHALL BE CONSTRUCTED IN LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO CONSTRUCT LINEAR DRAINS AS INDICATED ON THE PLANS. THIS WORK SHALL CONSIST OF EXCAVATING AND REMOVING THE EXISTING MATERIAL TO THE REQUIRED DIMENSIONS. PLACEMENT OF DRAIN ROCK WRAPPED IN FILTER FABRIC. AND PLACEMENT OF 3" COBLES.

DRAIN ROCK SHALL BE WASHED ¼ INCH DRAIN ROCK AND FABRIC USED TO WRAP THE DRAIN ROCK SHALL BE MIRAFI 140N OR APPROVED EQUAL.

"LINEAR DRAIN" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER LINEAR FOOT SURFACE AREA MEASURED TO THE NEAREST WHOLE LINEAR FOOT AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### CROSS DRAIN

CROSS DRAINS SHALL BE CONSTRUCTED IN LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO CONSTRUCT CROSS DRAINS AS INDICATED ON THE PLANS. THIS WORK SHALL CONSIST OF REMOVING AND REPLACING/COMPACTING THE PULVERIZED COMPOSITE MATERIAL WHERE THE CROSS DRAIN CROSSES THE PATH, EXCAVATING AND REMOVING THE EXISTING SUBGRADE MATERIAL TO DAYLIGHT BELOW THE PATH, PLACEMENT OF DRAIN ROCK WRAPPED IN FILTER FABRIC. AND PLACEMENT OF 3" COBLES. HOT MIX ASPHALT WHERE THE CROSS DRAIN CROSSES THE PROPOSED PATH WILL BE PAID AS PART OF THE "HOT MIX ASPHALT" BID ITEM.

DRAIN ROCK SHALL BE WASHED ¼ INCH DRAIN ROCK AND FABRIC USED TO WRAP THE DRAIN ROCK SHALL BE MIRAFI 140N OR APPROVED EQUAL.

"CROSS DRAIN" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER LINEAR FOOT SURFACE AREA MEASURED TO THE NEAREST WHOLE LINEAR FOOT AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

## HOT MIX ASPHALT

HOT MIX ASPHALT (HMA) SHALL BE CONSTRUCTED TO THE GRADES, DEPTHS, AND LOCATIONS INDICATED ON THE PLANS.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO PLACE AND COMPACT THE HMA IN CONFORMANCE WITH SECTION 320 OF THE ORANGE BOOK. ASPHALT CEMENT FOR HMA SHALL BE PG64-28NV IN CONFORMANCE WITH SECTION 201.02 OF THE ORANGE BOOK. AGGREGATE FOR HMA SHALL BE TYPE 3 CONFORMING TO TABLE 200.02.03-I OF THE ORANGE BOOK.

"HOT MIX ASPHALT" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT SURFACE AREA MEASURED TO THE NEAREST WHOLE SQUARE FOOT AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### <u>BOLLARD</u>

REMOVABLE BOLLARDS SHALL BE INSTALLED IN LOCATIONS INDICATED ON THE PLANS AND SHALL GENERALLY BE LOCATED IN THE CENTER OF THE PATH. THE BOLLARD MAY BE ADJUSTED SLIGHTLY FROM CENTER IF NECESSARY TO ENSURE A MINIMUM OF 36" CLEAR WIDTH ON AT LEAST ONE SIDE OF THE BOLLARD.

THIS WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO PERFORM THE BOLLARD INSTALLATION AS INDICATED ON THE PLANS. THIS WORK SHALL CONSIST OF SAWCUTTING AND EXCAVATING FOR THE BOLLARD INSTALLATION, PLACEMENT AND COMPACTION OF AGGREGATE BASE, AND INSTALLATION OF THE BOLLARD, BOLLARD MOUNT, AND CONCRETE BACKFILL. THE LOCKING BAR SHALL BE INSTALLED AND TMWA WILL PROVIDE A PADLOCK AND MAINTAIN THE KEYS.

AGGREGATE BASE SHALL BE TYPE 2, CLASS B CRUSHED AGGREGATE BASE CONFORMING TO SECTION 200.01.03 OF THE ORANGE BOOK. PORTLAND CEMENT CONCRETE EXPOSED TO FREEZE—THAW CYCLES SHALL CONFORM TO SECTION 337.10.01.01 OF THE ORANGE BOOK.

"BOLLARD" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER EACH AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED HEREIN.

### TREE ROOT BARRIER

TREE ROOT BARRIER SHALL BE INSTALLED IN LOCATIONS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

THE WORK SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND ALL INCIDENTALS NECESSARY TO INSTALL THE TREE ROOT BARRIER AS INDICATED ON THE PLANS. THE WORK SHALL CONSIST OF EXCAVATING FOR THE TREE ROOT BARRIER, PLACEMENT OF THE ROOT BARRIER PER MANUFACTURER'S RECOMMENDATIONS, AND BACKFILL.

ROOT BARRIER SHALL BE UB 18-2 BY DEEPROOT GREEN INFRASTRUCTURE, LLC OR APPROVED EQUAL.

"TREE ROOT BARRIER" SHALL BE PAID AT THE CONTRACT UNIT PRICE BID PER LINEAR FOOT MEASURED TO THE NEAREST WHOLE FOOT AND SHALL BE DEEMED FULL COMPENSATION FOR THE WORK PRESCRIBED

# GENERAL CONSTRUCTION NOTES

- 1. THE IMPROVEMENTS ARE SUBJECT TO THE INSPECTION, TESTING AND APPROVAL OF TMWA.
- 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING ANY WORK.
- 3. PRIOR TO EXCAVATING, THE CONTRACTOR MUST NOTIFY UNDERGROUND SERVICE ALERT 811, 2 DAYS MINIMUM TO 14 DAYS MAXIMUM BEFORE ANY EXCAVATION IS STARTED. UTILITY AGENCIES MAY REQUIRE HAND DIGGING TO LOCATE FACILITIES, NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR HAND DIGGING.
- 4. ALL EXISTING UNDERGROUND UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY COMPANIES HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR
- 5. THE CONTRACTOR IS REQUIRED TO PROVIDE MATERIAL SUBMITTALS FOR TMWA APPROVAL PRIOR TO CONSTRUCTION.
- 6. STANDARD WORK DAYS AND HOURS SHALL BE MONDAY THROUGH FRIDAY, 7AM-7PM. SATURDAY AND SUNDAY MAY BE WORKED ON OCCASION ONLY TO MAKE UP FOR WEATHER DELAYS OR OTHER SCHEDULE DELAYS IF APPROVED BY TMWA. NOISE GENERATING ACTIVITIES (GREATER THAN 55 DECIBELS — THE COMMUNITY NOISE EQUIVALENT LEVEL) WILL BE LIMITED TO THE HOURS OF 8:00 AM AND 6:30PM.
- NOISE SHALL BE REDUCED BY THE MANDATORY USE OF MUFFLERS ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT. WHERE FEASIBLE, SOLENOIDAL PAVEMENT BREAKERS SHALL BE USED IN LIEU OF AIR POWERED JACK HAMMERS.
- ONLY EQUIPMENT OF A SIZE AND TYPE THAT WILL DO THE LEAST AMOUNT OF DAMAGE, UNDER PREVAILING SITE CONDITIONS, AND CONSIDERING THE NATURE OF THE WORK TO BE PERFORMED, SHALL BE USED.
- 9. NO HORIZONTAL CONTROL OR CONSTRUCTION SURVEY WILL BE PROVIDED. ALL WORK SHALL BE FIELD FIT BASED ON DIRECTION AND OVERSIGHT PROVIDED BY THE OWNER.

# **GENERAL COMMENTS:**

- 1. CONTRACTOR TO CALL PROJECT COORDINATOR 48-HOURS PRIOR TO START OF CONSTRUCTION TO SCHEDULE ON-SITE INSPECTION. (INCLUDE WORK ORDER NUMBER XX-XXX)
- 2. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE TMWA ENGINEERING & CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED CONSTRUCTION SPECIFICATIONS ON HIS/HER OWN BEHALF. THE ENGINEERING & CONSTRUCTION STANDARDS MAY BE DOWNLOADED FROM: http://www.tmwa.com/new-construction/standards

## LEGEND

## PROPOSED FEATURES

EDGE OF PAVING

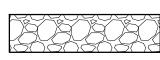
LINEAR DRAIN

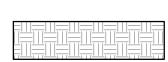
CROSS DRAIN



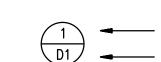


DRAIN ROCK





EXISTING SUBGRADE



DETAIL IDENTIFICATION NUMBER DETAIL SHEET NUMBER

## A DDDE\/IATIONS

ABBREVIATIONS				
	NOT ALL ABBREVIATIONS LISTED ARE US	 Ed in these plai	NS	
AD	ACCDECATE BASE	MECD	MANUFACTURER	
ΔC	AGGREGATE BASE ASPHALT CONCRETE OR ACRE	MH		
ACR	ARTICULATING CONCRETE BLOCK	MAX	MAXIMIM	
A/G	ABOVE GROUND	MDD	MAXIMUM DRY DENSITY	
<b>o</b>			MECHANICAL JOINT	
APPROX		MI		
ASS'Y	ASSEMBLY	MIN		
AVG.	AVERAGE	MISC	MISCELLANEOUS	
	AMERICAN WATER WORKS ASSOCIATION	MSB	MISCELLANEOUS MAIN SWITCH BOARD	
		MVC	MIDDLE OF VERTICAL CURVE	
BMP	BEST MANAGEMENT PRACTICES			
	BOTTOM OF WALL	N	NORTH	
BSP	BLACK STEEL PIPE		NATIONAL ELECTRICAL CODES	
	BOTTOM OF WALL	NIC	NOT IN CONTRACT	
BVC	BEGIN VERTICAL CURVE		NOT TO SCALE	
•••		# OR NO	NUMBER	
	CURB AND GUTTER			
CB	CATCH BASIN	0.C	ON CENTER	
CF		0.G	ORIGINAL GRADE	
CL			OVERHEAD UTILITY	
CLR		OWS	OIL/WATER SEPARATOR	
	CORRUGATED METAL PIPE		DI LIC OD MINILIC	
CO	CLEAN OUT	±	PLUS OR MINUS	
COMM	COMMUNICATION	PT		
CONC CONST			PORTLAND CEMENT CONCRETE	
			POLYVINYL CHLORIDE PAVEMENT	
CY	CONTROL POINT	PVMT	PAVEMENT DOSITIVE	
UI	CODIC TARD	POS	POUNDS PER SQUARE INCH	
OR DEG	DEGREE(S)		PROPERTY LINE	
DI	DROP INIFT		PUBLIC UTILITY EASEMENT	
ø OR DIA	DIAMFTER	PVI	POINT OF VERTICAL INTERSECTION	
D.I	DUCTILE IRON	(P)	PROPOSED	
DWG	DRAWING	(1)	T NOT OBED	
DW, DWY	DRIVEWAY	R	RADIUS	
,			REINFORCED CONCRETE PIPE	
EA	EACH	REVEG		
EASE.	EASEMENT	RT,R	RIGHT	
E	EAST	R/W, ROW	RIGHT-OF-WAY	
EG	EXISTING GRADE	, ,		
ELEC		S	SLOPE, SOUTH	
EP	EDGE OF PAVEMENT	SCH??	SCHEDULE XX PIPE	
EL	ELEVATION	SD	STORM DRAIN STANDARD DIMENSION RATIO	
EVC	END OF VERTICAL CURVE	SDR	STANDARD DIMENSION RATIO	
EX	EXISTING		STORM DRAIN MANHOLE	
		SF	SQUARE FOOT/FEET	
FCA	FLANGE COUPLER ADAPTER	SHT	SHEET	
FH	FIRE HYDRANT	SSMH	SHEET SANITARY SEWER MANHOLE	
FG		SSC0	SANITARY SEWER CLEAN OUT	
	FRONT FACE CURB		SANITARY SEWER, STAINLESS STEE	
	FLARED END SECTION	STA		
FL	FLOWLINE	STD	STANDARD	
FLG FT or ' FV	FLANGED	SY	SQUARE YARD	
rı or	FUUI, FEEI	TAC	TOD OF ACRUALT	
ΓV	LLUOU ANTAE		TOP OF ASPHALT	
C	CAS	100	TOP BACK OF CURB	
G		TC TOW	TOD OF WALL	
GV	CRANE RREAK	TW	TOP OF WALL	
	GALVANIZED STEEL PIPE	TYP		
USF	GALVANIZED SIEEL FIFE	HF	HITIOAL	
Пр	LICH DOINT	LICE	LINDEDODOLIND ELECTRIC LINES	

HIGH POINT

HORIZONTAL

INTERSECTION INVERT ELEVATION

IRRIGATION

LENGTH

LINEAR FEET

LOW POINT LUMP SUM

LANDFILL GAS

HDPE

HIGH DENSITY POLYETHYLENE

HOT MIX ASPHALT CONCRETE



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HEINBAUGH 03/06/2018

**HUNTER CREEK** RESERVOIR WALKING PATH REHABILITATION

OWNER

UNDERGROUND ELECTRIC LINES

UNDERGROUND

VERTICAL CURVE

VALLEY GUTTER

WATERLINE

WATER METER

WFST

UNDERGROUND TELEPHONE LINES

TRUCKEE MEADOWS WATER AUTHORITY 1355 CAPITAL BLVD RENO, NV 89502

1	04-02-18	ADDENDUM 1
NO.	DATE	DESCRIPTION
PROJECT	NO:	470.05.05

DESIGNED BY:			СН
DRAWN BY:			JT
CHECKED BY:	JWN	DATE:	07/05/17
DATE:			03/06/18

470.05.25

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SHEET TITLE

NOTES, LEGEND AND **ABBREVIATIONS** 

OF **4** 

Know what's **below**. **Call before you dig.** SHEET

BID SET

DRAWING G2

