



PCO #23-001

Neff Construction, Inc.
California

Project: 0573-02 - Hillcrest HS - Drainage Improvements
11800 Indiana Ave.
Riverside, California 92503

Prime Contract Potential Change Order #23-001: CE #008 - Added Time/Labor for Existing Slurry Remediation at Judge Netting Post Footings

TO:	Alvord Unified School District 2375 Anselmo Drive - 9 KPC Parkway Corona California, 92879	FROM:	Neff Construction, Inc. 1701 South Bon View Avenue Ontario California, 91761
PCO NUMBER/REVISION:	23-001 / 0	CONTRACT:	1 - Hillcrest HS - Drainage Improvements Prime Contract
REQUEST RECEIVED FROM:	Tatton Kilmer (Pro-Craft Construction, Inc.)	CREATED BY:	Jason Wise (Neff Construction, Inc.)
STATUS:	Pending - In Review	CREATED DATE:	3/18 /2022
REFERENCE:	Byerly Report #7134	PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	Yes		
LOCATION:	Upper Northerly Slope	ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:	0 days	PAID IN FULL:	No
		TOTAL AMOUNT:	\$2,276.18

POTENTIAL CHANGE ORDER TITLE: CE #008 - Added Time/Labor for Existing Slurry Remediation at Judge Netting Post Footings

CHANGE REASON: Existing Condition

CHANGE DESCRIPTION CATEGORY: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
CE #008 - Added time for Existing Slurry Remediation at Judge Netting Post Footings

Per Byerly's Report #7134 (Enclosure 2), Neff construction provided slot trenching with a concrete slurry backfill around (2) of the Judge Netting Pole's footings to provide shoring for these footings during the adjacent slope re-grading. During the Site Plumbers scope of work, they encountered this slurry in (2) locations while installing the new Storm Drain Piping and Rodent Barrier. The cost of the PCO represents the added labor and equipment time needed to trench through the slurry added per Byerly's report.

The cost of the work is an **ADD of (\$2,276.18)** and has a schedule impact of (0) working days. This cost will be included in a future change order. If you should have any questions, please feel free to contact Jason Wise at Neff Construction (909) 292-6865.

ATTACHMENTS:

[21129. - COR #0002 TM Existing Slurry Remediation.pdf](#) [_File No. S-12499 Rpt. No. 7134.pdf](#)

#	Cost Code	Description	Type	Amount
1	50-23000 - Site Plumbing	Concrete Slurry Remediation	Other	\$ 2,276.18
Subtotal:				\$2,276.18
Grand Total:				\$2,276.18

Epic Engineers, Inc.
101 E. Redlands Blvd., Suite 146
Redlands California 92373

Alvord Unified School District
2375 Anselmo Drive - 9 KPC Parkway
Corona California 92879

Neff Construction, Inc.
1701 South Bon View Avenue
Ontario California 91761

DocuSigned by:

4/7/2022
SIGNATURE DATE

DocuSigned by:

3/18/2022
SIGNATURE DATE

DocuSigned by:

3/18/2022
SIGNATURE DATE

Proposed Change Order

21129. - Hillcrest HS Drainage Improvements

DATE: 3/17/2022

PCO#: 0002

www.procraftci.com



To: Jason Wise
Neff Construction Inc.
1701 S. Bon View Avenue
Ontario, CA. 91761
Phone: 909-947-3768
Email: jmosby@neffcon.com

From: Tatton Kilmer
Pro-Craft Construction, Inc.
500 Iowa Street
Redlands, CA 92373
Phone: 909-790-5222
Email: tkilmer@procraftci.com

Description of Change: T&M Existing Slurry Remediation

There was existing slurry that was discovered during excavation for the rodent barrier. Pro-Craft was Directed by Neff to proceed on T&M to remove the Slurry.

Exclusions:

Proposed Change Order Amount

\$2,276.18

Standard Terms and Conditions of the Subcontract apply, including all exclusions. Additional Time required, does not include contract extension.

This change proposal is based on the usual cost elements such as labor, materials, and markup and does not include any amount for impacts such as interference, disruptions, rescheduling, and change in the sequence of work, delays and /or associate acceleration. We expressly reserve the right to submit our request for any of these items should we be faced with performing work under any of these conditions.

This cost proposal supersedes all previously submitted cost proposals relating to this same work. The work of other trades, which may be required to complete this change order, is not a part of this change proposal.

This cost proposal is valid for thirty (30) calendar days from the above date and void thereafter. All work affected by either the acceptance or rejection of the enclosed change order quotation is on hold pending notification.



TIME & MATERIAL TICKET

DATE: Jan 11, 2022
 PROJECT NAME: 21129 Hillcrest HS Drainage Improv
 JOB#: 21129
 COST CODE: 90.002

TICKET# 1 of _____
 IS WORK COMPLETE: YES NO IF NO WHEN? _____
 RELATED DOC: RFI# _____ COR# _____ PCO# _____
 IB# _____ CCD# _____

DESCRIPTION OF WORK:

Dig trough Slurry backfill around outfield post for storm Drain piping

MATERIAL

LABOR

QTY:	DESCRIPTION:	NAME:	CLASSIFICATION	REG	OT	DT
1		1 Mike James	Forman	4		
2		2 Gerardo Navarro	plumber	4		
3		3 Paul Ludwig	Operator	4		
4		4				
5		5				
6		6				
7		7				
8		8				
9		9				

TOOL AND EQUIPMENT

EQUIP #	DESCRIPTION	DAYS	HRS	OWN	RENT
1	EX-19 Mini Excavator	4		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	SS-16 Skid Steer	4		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	T-54 Site Truck	4		<input checked="" type="checkbox"/>	<input type="checkbox"/>
4				<input type="checkbox"/>	<input type="checkbox"/>
5				<input type="checkbox"/>	<input type="checkbox"/>
6				<input type="checkbox"/>	<input type="checkbox"/>
7				<input type="checkbox"/>	<input type="checkbox"/>
8				<input type="checkbox"/>	<input type="checkbox"/>
9				<input type="checkbox"/>	<input type="checkbox"/>

SUBCONTRACTOR

1	
2	
3	
4	

PRO-CRAFT Construction, Inc. CERTIFICATION: Signature by representative to certify that all information on this sheet is true and accurate

Construction Manager, Contractor, Etc., verifies hours worked as identified on this sheet only.

Project Inspector verifies hours worked as identified on this sheet only.

Sign: _____
 Sign: _____
 Sign: _____



John R. Byerly

I N C O R P O R A T E D

September 27, 2021

Alvord Unified School District
9 KPC Parkway
Corona, California 92879

Rpt. No.: 7134
File No.: S-12499

Attention: Kevin Emenaker, Executive Director of Facilities Planning

Project: Hillcrest High School (High School No. 4), 11800 Indiana Avenue, Riverside, California

Subject: Additional Geotechnical Recommendations for Slope Erosion Repair and Excavation Adjacent to Existing Netting Support Pole Foundations

- References:
- (a) e-mail re: Hillcrest High School Erosion Issues, Paul Peck, Epic Engineers, December 18, 2019 with attached Annotated Google Earth Image
 - (b) e-mail re: Hillcrest High School Erosion Repair Plans, Paul Peck, Epic Engineers, August 3, 2021 with attached Project Precise Grading Plan
 - (c) Soils Investigation of Verdura Segmental Walls' Reinforced Soil Erosion, Slope Erosion, and Mudslide, Hillcrest High School (High School No. 4), 11800 Indiana Avenue, Riverside, California, John R. Byerly, Inc., File No.: S-12499, Rpt. No. 6661, October 9, 2020

Ladies and Gentlemen:

Our investigation of the Verdura segmental walls' reinforced soil erosion, the northeasterly slope erosion, and mudslide at the high school campus is described in Reference (a). Included in that report were detailed recommendations to repair the northeasterly slope erosion caused by a concentrated flow of storm water runoff and from rain falling on the slope. Some effort to repair the eroded slope was performed without geotechnical monitoring or observation by a third party. We have now been asked by the District to provide additional recommendations with respect to ensure the stabilization of the existing 300-foot-long northeasterly fill slope and to ensure the structural integrity of the existing netting support pole foundations during the slope erosion repair process.

In the referenced soils report, three of the borings (Borings 4, 5, and 6) were drilled with a hand-auger at selected locations on the northeasterly slope face and encountered loose to medium dense silty sands to the maximum depth penetrated of 3.0 feet. As recommended in Reference (a), benching into the existing slope will provide access for compaction equipment, will

GEOTECHNICAL ENGINEERS • TESTING AND INSPECTION

2257 South Lilac Ave., Bloomington, CA 92316-2907
Bloomington(909) 877-1324 Riverside (909) 783-1910 Fax (909) 877-5210

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remove loose and disturbed soil, and will assure that the replacement fill is placed in immediate contact with the undisturbed soil.

We recommend that a keyway at least 8 feet in width and extending at least 12 inches into undisturbed soil should be cut along the toe of the stabilization fill. The base of the key should slope downward to the south at a rate of at least 2 percent. Prior to processing the soils exposed in the base of the key, the key should be evaluated by the representative of the geotechnical engineer. The undisturbed soil exposed in the base of the key should be moistened to near the optimum moisture content and compacted to a relative compaction of at least 90 percent (ASTM D1557). The soil removed by the benching should then be replaced in 8-inch or less lifts; each lift should be moisture conditioned to near the optimum moisture content and compacted to a relative compaction of at least 90 percent. As fill is placed, the back cut of the bench should be benched to ensure that the fill is placed in immediate contact with the undisturbed soil, and to provide near horizontal surfaces on which to place and compact the fill. The slope should be overfilled and then cut back to expose fully compacted soil at the final slope surface. The keyway and all benches should be observed by the representative of the geotechnical engineer prior to fill placement. Typical construction of a keyway and benching is illustrated on Enclosure 1.

We were informed by the construction manager, Neff Construction, Inc., that the existing netting support pole foundations in the vicinity of the northeasterly slope erosion area have pier diameters of 24 inches and embedment depths of 9.5 feet. It is anticipated that removals during the slope erosion repair would result in excavations immediately adjacent to the existing netting support pole foundations. In order not to damage the existing netting support pier footings, the excavations adjacent to the poles should be performed in a series of slot-cuts as illustrated on Enclosure 2. The initial four slot-cuts should be 2 feet wide, and should extend outward from the pole a distance of 5 feet as shown on Enclosure 2 herewith. The slots should be 5 feet deep below the existing ground surface. The four initial slots should be excavated sequentially. When the excavation of each trench is complete, that trench should be immediately backfilled with sand/cement slurry containing at least two sacks of cement per cubic yard. Each trench should

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be backfilled with slurry the same day it is excavated. No trench should be allowed to stand open overnight. The subsequent trench should be excavated no sooner than 4 hours following the placement of the slurry in the preceding trench.

Once the slurry in the four initial trenches has set, the soil adjacent to the trenches should be overexcavated to a depth of 5 feet below the final ground surface and extending at least 5 feet perpendicular to the trenches, as also shown on Enclosure 2. When the excavation of each of these secondary excavations is complete, that excavation should also be backfilled with sand/cement slurry containing at least two sacks of cement per cubic yard. Each of these excavations should be backfilled with slurry the same day it is excavated. No excavation should be allowed to stand open overnight.

The excavations immediately adjacent to the existing netting support pole foundations and the placement of the slurry backfill should be monitored by the representative of the geotechnical engineer.

We trust this provides the information needed at this time. Should there be any additional questions, please do not hesitate to contact this office.

Respectfully submitted,

JOHN R. BYERLY, INC.



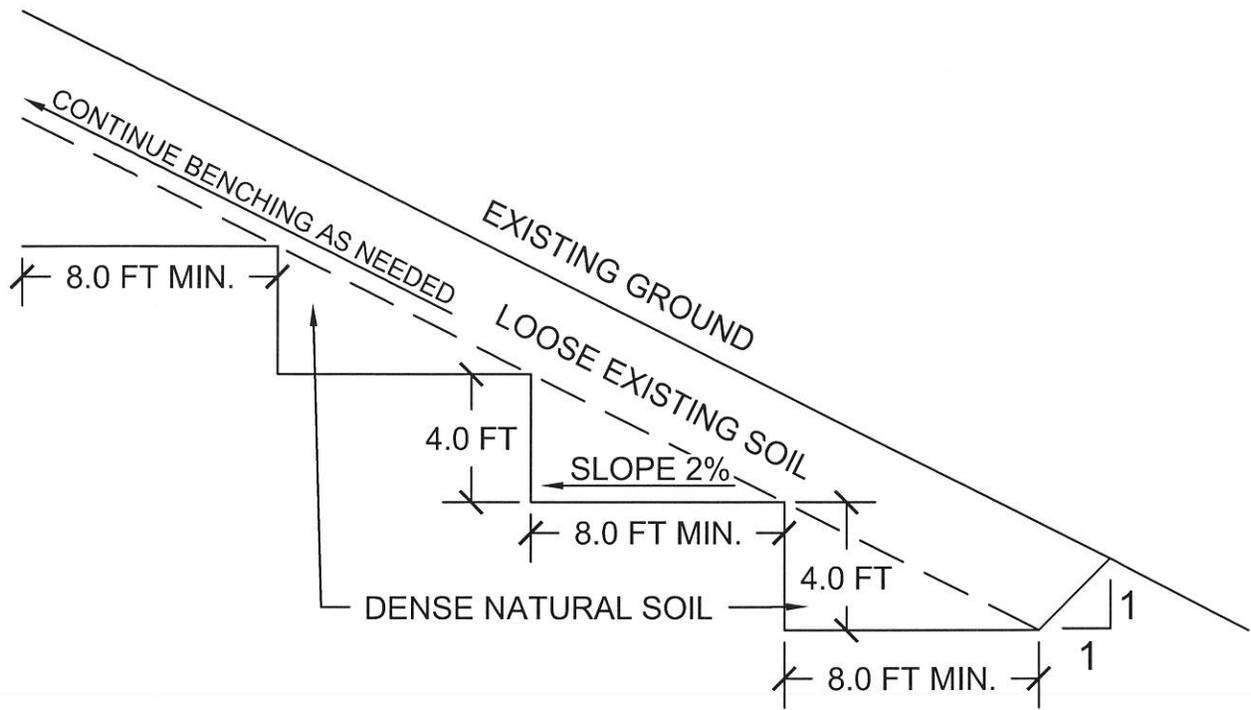
John R. Byerly, Geotechnical Engineer
President



JRB:MLL:jet

Enclosures: (1) Typical Bench Cross Section
(2) Slot Cut Diagram

Copies: (1) Client
(1) Epic Engineers
(1) Neff Construction, Inc.



TYPICAL BENCH CROSS SECTION

**HILLCREST HIGH SCHOOL
RIVERSIDE, CALIFORNIA**

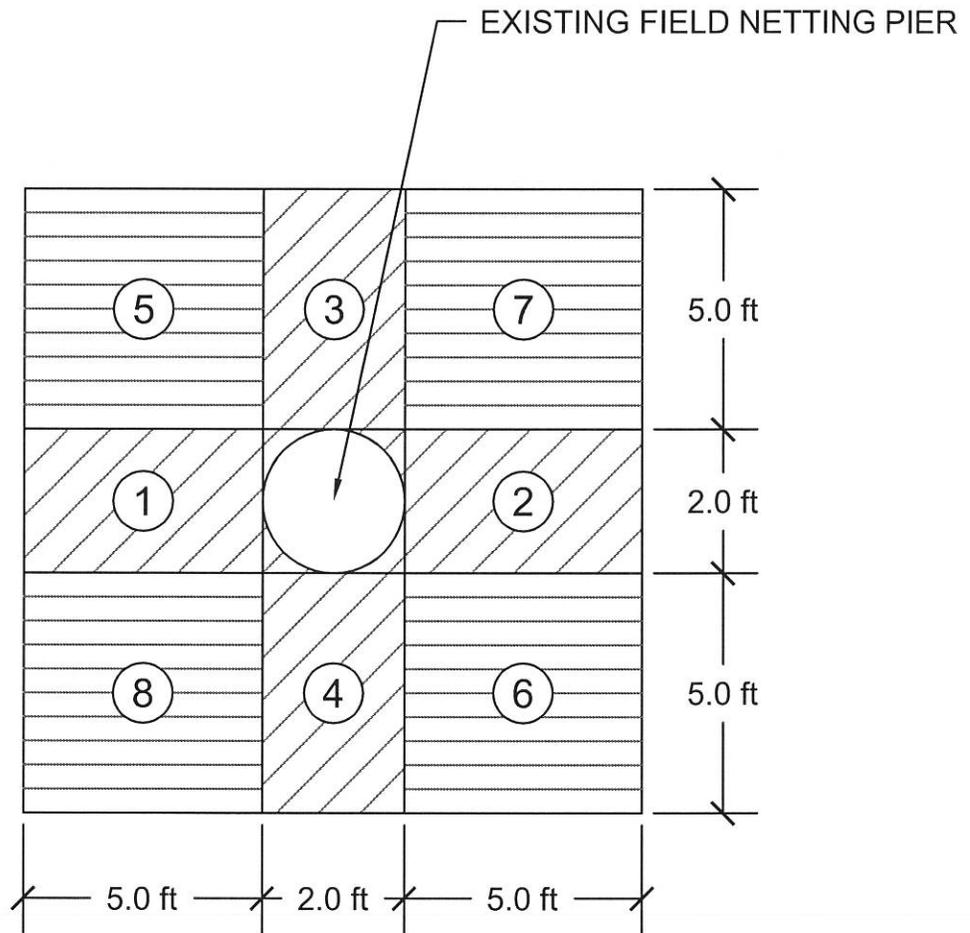
Enclosure 1
Rpt. No.: 7134
File No.: S-12499

LEGEND

Ⓝ RECOMMENDED EXCAVATION PHASE ORDER

▨ INITIAL SLOTS

▬ SECONDARY SLOTS



NOT TO SCALE



**EXISTING FIELD NETTING PIER
SLOT-CUT DIAGRAM**

**HILLCREST HIGH SCHOOL
RIVERSIDE, CALIFORNIA**

Enclosure 2
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