



Hensel Phelps Construction Co.

NORTHERN CALIFORNIA DISTRICT
226 Airport Parkway, Suite 150
San Jose, CA 95110-1024
(408) 452-1800
(408) 452-1855 FAX

April 30, 2010

San Mateo County Community College District
Facilities Planning, Operations and Maintenance
Attn: Pattie Della Bona
3410 CSM Drive
San Mateo, CA 94402

Subject: Design-Build Proposal (BID#86620)
Facilities Maintenance Center Erosion Control and Slope Stabilization

Dear Mrs. Della Bona,

Hensel Phelps Construction Co. is pleased to submit the attached proposal for the Facilities Maintenance Center Erosion Control and Slope Stabilization RFP, dated 9 April 2010. We spent a great deal of time reviewing the documents, meeting with our Design/Build partners, and developing a design which resolves the serious Civil issues present at the FMC Building. Our initial design concepts were much simpler than what we are now proposing. However, after careful consideration, we believe that our 'less costly' solutions would not have fully solved the problems. Our approach is not to provide 'band-aid' solutions which will get the District through the next few winters. We are sensitive to the Owner's desire to keep costs down. But we also feel that due diligence required more thorough design solutions. Below is a narrative description of each Work Item as identified in the RFP.

WORK ITEM #1

We will provide a 9'-0" wide PCC driveway rated for large pick-up trucks from the FMC portable parking lot to the South gate (at Nextel cell tower). We also include a natural-colored, PCC retaining wall (incl. perforated pipe, fabric, and drain rock), standard trowel finish. As seen on our drawing, there are three separate French drain systems, along with crushed rock up against the existing building. To stabilize lower Sweeney Hill, we will install a French drain 'bench' (above our new retaining wall). The RFP calls for us to restore and maintain the FMC portable foundation. However, due to conflicting foundation drawings for the FMC portable building, we are excluding this work.

WORK ITEM #2

We will install a 9" deep rock trench (using 3" rock) across the hillside to funnel the run-off from Sweeney hill into a new catch basin at the base of the rock trench. This trench will connect to a new storm drain system that will be utilized by several other Work Items in this RFP. We will not be performing work outside the existing chain link fence line, as the land is not owned by Skyline College.

WORK ITEM #3

We will provide a 5" thick natural-colored concrete slab with a hard trowel finish. The concrete surface will be supported by a 6" compacted aggregate base. No footings, foundation walls, or grade beams are included/required. To mitigate water run-off from the building roof drains, we will slope the concrete away from the buildings, to a new French drain (ref. our drawings) with 6" perforated pipe, adjacent to a new 6" wide x 18" tall vertical curb. If the Owner/CPD decide NOT to construct Work Item #3 as we have designed, we will not be able to tie-in the new catch basin in Work Item #2.

WORK ITEM #4

To replace the existing above-surface (black PVC piping) drainage system, we will install a 2'-0" wide by 2'-0" deep rock channel next to the existing concrete sidewalk. This channel will consist of 3" rock covering an 8" perforated pipe and all will be wrapped (on three sides) by an impermeable material (10mil visqueen) to mitigate water runoff down the existing hillside. The roof drains will thus drain onto the existing concrete sidewalk and then flow into our new channel. At the end of the channel the perforated pipe will terminate into a solid pipe and flow through a new manhole, a new catch basin, eventually tying into an existing catch basin in the existing Lot 4.

WORK ITEM #5

To stabilize the hill we are proposing the usage of soil erosion Control Mats (see attached product data). These mats can be installed around the existing trees and will support the hillside with the use of soil nails drilled into the hillside at a constant interval. Upon installation, the control mat can be hydroseeded to allow the hillside to look natural.

The AST soils report provided a detail to stabilize the slope via base key and rip rap. We did not price this option up, due to feasibility concerns with the steepness of the slope. AST also confirmed (via phone discussion) that a keystone wall would not provide the required stability.

WORK ITEM #6

We will provide a permanent asphalt berm along the North edge of the road. We will install asphalt speed bumps at several locations along the road. These speed bumps will be angled downhill and towards the South edge of Richards Road. where a rock trench already exists that flows into a catch basin. To decrease maintenance / clogging of the catch basin at the base of the road, we will provide a large rock basin, and small concrete seat walls on two sides.

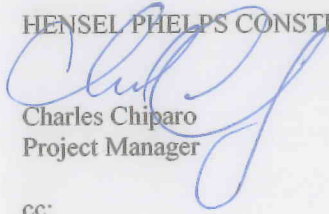
ALTERNATE WORK ITEM #7

We have not included pricing for this item. There were simply too many variables. We have two or three ideas, but all would need Ownership buy-in.

If any of the items above require clarification, please contact either the undersigned, or Eric Jones (Office Engineer). Thank you for the opportunity.

Sincerely,

HENSEL PHELPS CONSTRUCTION CO.



Charles Chiparo
Project Manager

cc:
1.30

SB



Description	Item Price	Total Price
1. Driveway and Lower Sweeney Ridge Stabilization 1a Driveway 1b Manage hillside water 1c Full sub-floor framing Other	\$238,500 incl. excluded	1) \$238,500
2. Re-direct Water Flow and Seepage South of Site Buildings 2a Mitigate S/W Area 2b Channel Water 2c Sub-grade improvements Other	\$48,000 incl. incl. incl.	2) \$48,000
3. Pave Behind Building C 3a Area paving 3b Connect All Drainage Lines, Basins and Curbs Other	\$67,000 incl. incl.	3) \$67,000
4. Divert Roof Runoff 4a Divert Roof Run off 4b Channel Water 4c Tie in All Lines 4d Ground Cover (if applicable) Other	\$213,000 incl. incl. incl. not incl.	4) \$213,000
5. Stabilize Ground Displacement on N/E Hillside 5a Remedy Soil Disturbance 5b Ground Cover (if applicable. 5c Hillside below building A Other	\$211,900 incl. incl. incl.	5) \$211,900
6. Mitigate Water and Debris Running into Parking Lot 4 6a Prevent Parking Lot 4 Ponding 6b Tie into Existing Drain 6c Clean Out Drain Other	\$24,000 incl. incl.	6) \$24,000
TOTAL		\$802,400
7. <u>Alternate Pricing</u> 7a Minimize Rain Water from Entering FMC work spaces.	excl.	7) _____

30 APR 2010

Assumptions and Clarifications

General

1. Exclude Removal of all deleterious (hazardous, toxic) material.
2. Exclude clean up of FMC items at all areas.
3. Removal, relocation, redesign of (E) underground utilities is excluded.
4. DSA submittal is excluded.
5. Cost of Testing and Inspections are excluded.
6. An overall drainage study of FMC has been excluded.
7. Handling of (E) asbestos-containing piping is excluded.
8. Landscaping is excluded.
9. Handling of excess soils to any location other than (E) Parcel B on site is excluded.

Work Item #1

1. Provisions for a turn around area are excluded.
2. Water to daylight onto Richards Rd. and will be picked up by catch basin at bottom of hill.
3. Shoring and structural foundation redesign for the portable has been excluded.
4. Existing pavers and header board to remain.
5. Road and retaining wall terminate at (E) Nextel gate.
6. Landscaping at FMC portable is excluded.
7. Assume large pick-up trucks GVW less than 6,000 lbs.
8. Roof drain tie-in for the east side of the portable has been excluded.

Work Item #2

1. Work does not extend beyond fence and gate.
2. Assume that the existing gate will not require future vehicle access.
3. Exclude any work beyond FMC fence.

Work Item #3

1. This proposal excludes any concrete pads.
2. Roof Drain tie-in to the new Storm Drain system has been excluded.
3. Striping and painting of curbs has been excluded.

Work Item #4

1. Hard piping for the Roof Drains has been excluded.
2. This proposal only addresses the water run off from the roof drains.
3. Re-striping and repairing Lot 4 is covered in the current cost proposal #068-CS for the Skyline College CIP2 contract.

Work Item #5

1. Shoring and protection of (E) structures is excluded.
2. Richard Road will need to be closed during this work.

Work Item #6

1. Future maintenance of all catch basins is excluded.