APPENDIX C

CONTRACTOR SUBMITTALS & RESPONSES
## APPENDIX C

**CONTRACTOR SUBMITTALS & RESPONSES**

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### CORRESPONDENCE

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February 27th, 2012

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Horizontal Directional Drilling RFI 2.0 – White Point Landslide
San Pedro, CA

HBI has experienced several difficulties in controlling the final approach direction of the borehole location identified as D-2 (the farthest west location on drill path 1). Some of the difficulties include steering the tricone bit and controlling the descent onto the beach exit point. It must be noted that critical points 1 and 2 were met within the tolerances. Therefore, due to the difficulties in drilling the HDD hole on location D-2, HBI is not expecting to meet the Specifications contained in Specifications Section 3.03 Pilot Hole, A 2. Exit Point Location:

"Exit the ground surface within a tolerance of +/- 2 Ft (vertically) and +/- 5 Ft horizontally shown on the drawings."

HBI is therefore requesting a variance to the Specifications to allow for a +/- 5 ft window for this particular borehole only. The projected breakout is approximately EL 9.0 which is 4.4 feet low of the target EL 13.4. Note that the elevation of the containment is appx. EL 9.0 which can be lowered appx. to EL 7.0 for containment purposes.

The attached table details the data collected to date and projects the final approach onto the beach with elevations.

We appreciate the attention to this matter and we are striving to meet the requirements of this project as we better understand the best drilling approaches.

Sincerely,

Hayward Baker Inc.

Matt Johnson
Project Manager
Attachment: D-2 Excel drilling log
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**Length**: 611.55
APPENDIX C

CORRESPONDANCE NO. 2

RESPONSE TO HORIZONTAL DIRECTIONAL DRILLING RFI 2.0
MEMORANDUM

TO: Mark Oborne, City of Los Angeles

FROM: Travis Deane, rtd@shanwil.com, 818/539-8409
Jason Buenker, jzb@shanwil.com, 818/539-8425

DATE: February 27, 2013

RE: RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING RFI 2.0, WHITE POINT LANDSLIDE DEWATERING, LOS ANGELES, CA

This memorandum presents geotechnical information in response to a Request for Information (RFI) submitted via e-mail by Matthew Johnson of Hayward Baker Inc. (HBI) to Mark Oborne of the City of Los Angeles on February 27, 2013. The RFI stated:

“HBI is therefore requesting a variance to the Specifications to allow for a +/- 5 ft (vertical) window for this particular borehole only. The projected breakout is approximately EL 9.0 which is 4.4 feet low of the target EL 13.4. Note that the elevation of the containment is appx. EL 9.0 which can be lowered appx. to EL 7.0 for containment purposes.”

This response to RFI is released in conjunction with the plans and specifications for the White Point Drainage Project dated January 24, 2013, the Final Geotechnical Report dated December 19, 2012, and all approved submittals and RFIs.

RFI RESPONSE

Shannon & Wilson accepts the variance in specification proposed by HBI. The vertical exit point tolerance will be revised from ±2 feet to ±5 feet for the current drain. This variance is contingent upon the following conditions:

- HBI monitor the drill path as it approaches the exit point to determine conformity with the 1% minimum slope requirement stated in the plans and specifications. If the drilled slope is less than 1%, HBI should submit a separate request for variance to the plans and specifications.
- HBI lower the containment bottom elevation from 9.0 feet to 7.0 feet. The modified containment should be sealed to contain discharged drilling mud as required in the plans and specifications. This containment shall be the primary containment.

- HBI construct a secondary containment barrier consisting of a sandbag berm that encloses the primary containment.
APPENDIX C

CORRESPONDANCE NO. 3

HORIZONTAL DIRECTIONAL DRILLING GROUT MIX DESIGN
February 28th, 2012

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Horizontal Directional Drilling Grout Mix Design – White Point Landslide
San Pedro, CA

This letter includes a grout mix design for annular space grouting of the solid sleeved pipe section of the installation of the HDD drilled drains near the exit point at White Point Landslide. The HBI grout mix design consists of Portland cement, water, and a superplasticizer (water reducing, flowability enhancer) for the grout. HBI has incorporated tolerances within the mix design to allow for adjustments in pumping of grout over the span length from the grout plant (Located at the top of the slope) to the exiting point of the HDD drain (Located at the toe of slope).

Mix Design Ratios:

94 pounds of Portland cement
5-7 gallons of water
6-12 ounces of Superplasticizer

Variances within the mix design allow for a Specific Gravity (SG) ranging from 1.6 to 1.8. Mud balance will be taken to verify the SG while grouting, and 2 sample cylinders will be collected for unconfined compressive strengths (UCS). Results for UCS will be performed upon request of the Engineer of Record.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 4

RESPONSE TO HAYWARD BAKER GROUT MIX DESIGN SUBMITTAL
MEMORANDUM

TO:        Mark Oborne, City of Los Angeles
FROM:      Travis Deane, rtd@shanwil.com, 818/539-8409
           Jason Buenker, jzb@shanwil.com, 818/539-8425
DATE:      March 1, 2013
RE:        RESPONSE TO HAYWARD BAKER GROUT MIX DESIGN
           SUBMITTAL, WHITE POINT DEWATERING PROJECT, LOS
           ANGELES, CA

This memorandum presents our response to the City of Los Angeles (City) request to review the
grout mix design submittal delivered by Hayward Baker (HBI) on February, 28, 2013.  This
letter is released in conjunction with the plans and specifications for the White Point Drainage
Project dated January 24, 2013, the Final Geotechnical Report dated December 19, 2012, and all
approved submittals and RFIs.

GROUT SPECIFICATIONS

Part 3 – Execution, Section O of the specifications states:

“Following the completion of HDD drilling and installation of the perforated HDPE pipe, the
contractor shall seal the final 15 feet of borehole annulus nearest the drain exit point with a
cement grout.”

SUBMITTAL REVIEW

In our opinion, the grout mix submittal provided by HBI satisfies the requirements of the plans
and specifications. Shannon & Wilson recommends the City approve the HBI grout mix design
as written.
APPENDIX C

CORRESPONDANCE NO. 5

HORIZONTAL DIRECTIONAL DRILLING VARIANCE FOR CRITICAL POINT 1 ON
DRILL PATH NO. 2 – RFI 3.0
March 8th, 2013

City of Los Angeles via email mark.oborne@lacity.org
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Horizontal Directional Drilling Variance for Critical Point 1 on Drill Path No. 2 – RFI 3.0

HBI is requesting for a change in tolerance at Critical Point 1 along Drill Path No.2 from 5 foot by 5 foot intercept window to a 10 foot by 10 foot intercept window.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 6

REAL TIME GROUNDWATER READINGS FOR SHANNON & WILSON VIBRATING WIRE – RFI 4.0
March 8th, 2013

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Real time ground water readings for Shannon & Wilsons Vibrating Wire. – RFI 4.0

Due to reactions observed in piezometers B-3, B-7, B-8,B-9, B-10 and B-11 during the course of Drilling, HBI Is inquiring as to whether real time monitoring of the piezometers may be made available to the field team to allow for more rapid response and identification of in situ conditions.

HBI
Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 7

RESPONSE TO HORIZONTAL DIRECTIONAL DRILLING RFI 3.0
MEMORANDUM

TO: Mark Oborne, City of Los Angeles
FROM: Travis Deane, rtd@shanwil.com, 818/539-8409
Jason Buenker, jzb@shanwil.com, 818/539-8425
DATE: March 12, 2013
RE: RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING RFI 3.0, WHITE POINT LANDSLIDE DEWATERING, LOS ANGELES, CA

This memorandum presents geotechnical information in response to a Request for Information (RFI) submitted via e-mail by Matthew Johnson of Hayward Baker Inc. (HBI) to Mark Oborne of the City of Los Angeles (City) on March 8, 2013. The RFI stated:

“HBI is requesting a change in tolerance at Critical Point 1 along Drill Path No. 2 from 5 by 5 foot intercept window to a 10 by 10 foot intercept window.”

The contract documents referenced herein include plans and specifications for the White Point Drainage Project dated January 24, 2013, approved submittals, and approved RFIs.

SPECIFICATION REQUIREMENTS

The contract documents state:

Critical Alignment Elevation: Within the zone indicated on the drawings as Critical Alignment for Drains, the drilled alignment shall pass through the target points shown in the drawings within 5 feet.

Critical Alignment Horizontal: Within the zone indicated on the drawings as Critical Alignment for Drains, the drilled alignment shall pass through the target points shown in the drawings within 5 feet.

RFI RESPONSE

Shannon & Wilson recommends the City grant HBI a variance to the specifications that states:

Critical Alignment Elevation: Within the zone indicated on the drawings as Critical Alignment for Drains, the upper drilled alignment shall pass vertically through the target points at Critical Point 1 shown in the drawings within 10 feet. No variance in tolerance is granted to the lower drilled alignment.
Shannon & Wilson recommends the City not grant HBI a horizontal variance to the specifications. The existing specifications are written to preserve a minimum of 10 feet spacing between drains, which is necessary for the planned installation of tieback anchors. In our opinion, a potential drain spacing less than 10 feet will create unrealistic drilling tolerance requirements for the tieback anchors. Further, the HBI’s stated reason for the requested change is to reduce the drilling radius with respect to grades – not line.
APPENDIX C

CORRESPONDANCE NO. 8

ADDITIONAL CENTER SUPPORT FOR H-20 GALVANIZED TRAFFIC GRATE – RFI 5.0
March 27th, 2013

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Additional Center Support for H-20 Galvanized Traffic Grate – RFI 5.0

HBI is requesting a design review and possible modification as it relates to grate support for all permanent structures at the start of the HDPE holes located in the nature preserve area. (See Drawing C- 6.0 SECTION 3-3). After discussing the currently specified grate design, they are recommending that an additional support be added in the center between the hinged sections in order to satisfy the H-20 load rating. Please provide an updated recommendation based on this feedback.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 9

LOAD RATING AND MATERIAL TYPE FOR PERMANENT STRUCTURE – RFI 6.0
March 28th, 2013

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Load Rating and Material Type for Permanent – RFI 6.0

HBI is requesting a design review to the permanent structure grate load rating and material type. (See Drawing C- 6.0 SECTION 3-3). After reviewing the design criteria, it is evident that a traffic rated H-20 grate (32,000 lbs semi-truck axel load rating) well exceeds any applicable load applied within the White Point Nature Preserve. In order to meet the H-20 design criteria, each hatch would need to weigh approximately 900 lbs, totaling approximately 1800 lbs per each permanent structure. This high load would require additional support and design within the permanent structure to support the grate and not allow for maintenance personnel to handlift the grates when cleaning HDPE drains.

HBI has discussed with the grate manufacturer and is requesting a design review by Shannon and Wilson to potentially modify the grate load rating from H-20 to Pedestrian Loading, and allow the change in material type from galvanized steel to Aluminum. The Pedestrian Load rating will be 499 lbs/sqft, which is 2 times the required OSHA standard. HBI also notes that instead of welded 3/16th inch steel plate, a thinner 1/8th in aluminum diamond plate could be substituted. Diamond plating will reduce the slipping hazard for any personnel walking through the White Point Nature Preserve as well reduce the overall weight of the grate.

Attached are the notes on the drawing referencing the design criteria discussed above. Please provide recommendation based on this RFI so that HBI can procure and install the permanent structure.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 10

RESPONSE TO HORIZONTAL DIRECTIONAL DRILLING RFI 5.0
MEMORANDUM

TO: Mark Oborne, City of Los Angeles
FROM: Travis Deane, rtd@shanwil.com, 818/539-8409
Jason Buenker, jzb@shanwil.com, 818/539-8425
DATE: April 1, 2013
RE: RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING RFI 5.0, WHITE POINT LANDSLIDE DEWATERING, LOS ANGELES, CA

This memorandum presents information in response to a Request for Information (RFI) submitted via e-mail by Matthew Johnson of Hayward Baker Inc. (HBI) to Mark Oborne of the City of Los Angeles (City) on March 27, 2013. The RFI stated:

“HBI is requesting a design review and possible modification as it relates to grate support for all permanent structures at the start of the HDPE holes located in the nature preserve area. (See Drawing C-6.0 SECTION 3-3). After discussing the currently specified grate design, they are recommending that an additional support be added in the center between the hinged sections in order to satisfy the H-20 load rating. Please provide an updated recommendation based on this feedback.”

The contract documents referenced herein include plans and specifications for the White Point Drainage Project dated January 24, 2013, approved submittals, and approved RFIs.

RFI RESPONSE

Shannon & Wilson understands that HBI is soliciting prices from steel fabricators to manufacturer the hinged H-20 galvanized traffic grate and 3/16 inch galvanized steel plate assemblies required for the permanent structures shown on Drawing C-6.0. RFI 5.0 indicates the steel fabricators HBI contacted recommend a supporting element at the midpoint, non-hinged side of the permanent structure, to satisfy H-20 rating load requirements. It is our understanding that the manufacturers indicate the assembly will deflect significantly under H-20 loading in the configuration specified in Drawing C-6.0.
Shannon & Wilson recommends that HBI be allowed to design the steel traffic grate using intermediate supports so it meets H-20 traffic rating. The intermediate supports could be part of the traffic grate or installed in the concrete structures. Intermediate supports should not contact the HDPE pipe and caps. If installed in the concrete structure, the intermediate supports should be at least 6 inches away from the protruding HDPE pipes so they will not interfere with cleaning operations.

If HBI chooses to install intermediate supports, we request HBI submit shop drawings for the modified design of the permanent drain entry structure. The shop drawings will be subject to review by Shannon & Wilson and the City.
APPENDIX C

CORRESPONDANCE NO. 11

HDD DRILL PATH TOLERANCES OR DRILL PATH ALIGNMENT NEAR MONITORING WELLS (MW-10 AND MW -11) – RFI 7.0
April 1st, 2013

City of Los Angeles                      via email mark.oborne@lacity.org
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention:  Mr. Mark Oborne

Subject: HDD Drill Path Tolerances or Drill Path Alignment Near Monitoring Wells (MW-10 and MW-11) – FRI 7.0

HBI is requesting a design review for drill paths for HDPE pipes B-1, B-4, A-2 and A-5, due to the proximities of Monitoring Wells (MW-10 and MW-11) located within the specified HDD drilling tolerances. In order to not intercept the Monitoring well locations, HBI is requesting for a variance within the specified horizontal tolerance or a deviation in the HDD drill path alignment. Please provide an updated recommendation and revised tolerances, if acceptable.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 12

RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING – RFI 7.0
MEMORANDUM

TO: Mark Oborne and Gene Edwards, City of Los Angeles Bureau of Engineering
FROM: Travis Deane, rtd@shanwil.com, 818/539-8409
Jason Buenker, jzb@shanwil.com, 818/539-8425
DATE: April 11, 2013
RE: RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING RFI 7.0, WHITE POINT LANDSLIDE DEWATERING, LOS ANGELES, CA

This memorandum presents our response to a Request for Information (RFI) submitted via e-mail by Matthew Johnson of Hayward Baker Inc. (HBI) to Mark Oborne of the City of Los Angeles (City) on April 1, 2013 (see attached). The RFI stated:

“HBI is requesting a design review for drill paths for HDPE pipes B-1, B-4, A-2 and A-5, due to the proximities of Monitoring Wells (MW-10 and MW-11) located within the specified HDD drilling tolerances. In order to not intercept the Monitoring well locations, HBI is requesting for a variance within the specified horizontal tolerance or a deviation in the HDD drill path alignment. Please provide an updated recommendation and revised tolerances, if acceptable.”

The contract documents referenced herein include plans and specifications for the White Point Drainage Project dated January 24, 2013, approved submittals, and approved RFIs. Note that “…Monitoring Wells (MW-10 and MW-11)…” in the RFI statement above refer to Shannon & Wilson borings B-10 and B-11, respectively.

RFI INFORMATION

Drawing C-4.0 of the plans and specifications shows monitoring wells B-10 and B-11 in proximity to drilling alignments designated Drains B-1, B-4, A-2, and A-5 in the attached site plan (Figure 1). The plans and specifications require that drain alignments must pass within ±5 feet of the critical points indicated on the plan and must not pass within ±2 of existing monitoring wells as sketched in Figure 2.

As of this writing, HBI has completed Drain B-4 and Drain B-1. Preliminary survey data suggests the completed drains passed 3 to 4 feet from B-10 and intersected the critical points.
within the ±5 foot tolerance. Instrumentation readings taken in B-10 after HBI completed drilling suggest the monitoring well is undamaged.

The proposed drilling alignments for Drains A-2 and A-5 are 0.5 feet from monitoring well B-11. To conform to the plans and specifications, HBI must drill Drains A-2 and A-5 within ±5 feet of the critical points shown on the alignment, while not passing within 2 feet of B-11. These dimensions provide at least a 3-foot horizontal window to install Drains A-2 and A-5 as shown in Figure 2.

Shannon & Wilson recognizes that installing drains in a narrowed window using horizontal directional drilling (HDD) is challenging. The HDD horizontal performance to date at the White Point Dewatering project has been:

Table 1: HDD Horizontal Performance

<table>
<thead>
<tr>
<th>Drain</th>
<th>Upper/Lower</th>
<th>PRELIMINARY SURVEY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CP-1</td>
</tr>
<tr>
<td>D-2</td>
<td>L</td>
<td>2.8</td>
</tr>
<tr>
<td>D-1</td>
<td>U</td>
<td>6.5</td>
</tr>
<tr>
<td>C-2</td>
<td>U</td>
<td>-0.1</td>
</tr>
<tr>
<td>C-5</td>
<td>L</td>
<td>-2.8</td>
</tr>
<tr>
<td>C-4</td>
<td>L</td>
<td>-0.8</td>
</tr>
<tr>
<td>C-1</td>
<td>U</td>
<td>2.0</td>
</tr>
<tr>
<td>C-6</td>
<td>L</td>
<td>-1.6</td>
</tr>
<tr>
<td>C-3</td>
<td>U</td>
<td>4.4</td>
</tr>
<tr>
<td>B-5</td>
<td>L</td>
<td>-2.6</td>
</tr>
<tr>
<td>B-2</td>
<td>U</td>
<td>0.9</td>
</tr>
<tr>
<td>B-6</td>
<td>L</td>
<td>1.6</td>
</tr>
</tbody>
</table>

Notes:
1. Positive horizontal distance is oriented east; negative horizontal distance is oriented west.
2. Red font = does not conform to specification.

The drilling accuracy improved significantly after HBI installed the microcoil location system prior to Drain C-4 drilling. The above table suggests that with the aid of the microcoil, HBI can consistently drill to an accuracy of ±2 feet or a 4 foot window.

The dewatering construction at White Point is part of a two-stage approach to improve slope stability at the site. The City will install tieback anchors between the dewatering drains.
Therefore, we recommend maintaining at least 10-feet of spacing between the drains as designed in the plans and specifications, and preferably a spacing closer to the nominal 20-foot spacing. The cost of damaging or destroying a drain during tieback anchor construction is greater than the cost of damaging or destroying the instrumentation in boring B-11. As shown in Figure 2, we suggest the drain path be located closer to boring B-11.

**RFI RESPONSE**

Shannon & Wilson recommends the City not grant HBI the greater drilling tolerances requested by HBI in RFI 7.0. In our opinion, the drains should be installed in accordance with the plans and specifications to maintain sufficient drain spacing for the proposed tieback anchor construction. Inherent in our recommendation is that the City should accept greater risk that the instrumentation in boring B-11 may be damaged or destroyed.

Enc.:  
- Figure 1 - Annotated Site Plan  
- Figure 2 – Sketch of Drain Path Modification at Boring B-11  
- Hayward Baker RFI 7.0 dated April 1, 2013
OCEANWARD

EDGE OF INCLINOMETER PIPE AT B-11

DESIGN DRAIN PATH PER Dwg: C-40 (3/13)
FOR DRAIN A-28 A-5

INCLINOMETER
B-11

CP-2 (STA. 4+25)

±5' TOLERANCE

PLAN
(M.T.S.)

OF PROPOSED DRAIN PATH TO BE MADE BY THE CONTRACTOR
April 1st, 2013

City of Los Angeles          via email mark.oborne@lacity.org
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention:    Mr. Mark Oborne

Subject:        HDD Drill Path Tolerances or Drill Path Alignment Near Monitoring Wells (MW-10 and MW-11) – FRI 7.0

HBI is requesting a design review for drill paths for HDPE pipes B-1, B-4, A-2 and A-5, due to the proximities of Monitoring Wells (MW-10 and MW-11) located within the specified HDD drilling tolerances. In order to not intercept the Monitoring well locations, HBI is requesting for a variance within the specified horizontal tolerance or a deviation in the HDD drill path alignment. Please provide an updated recommendation and revised tolerances, if acceptable.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 13

RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING
RFI – 6.0
MEMORANDUM

TO: Mark Oborne, City of Los Angeles

FROM: Travis Deane, rtd@shanwil.com, 818/539-8409
       Jason Buenker, jzb@shanwil.com, 818/539-8425

DATE: April 19, 2013

RE: RESPONSE TO HAYWARD BAKER HORIZONTAL DIRECTIONAL DRILLING RFI 6.0, WHITE POINT LANDSLIDE DEWATERING, LOS ANGELES, CA

This memorandum presents information in response to a Request for Information (RFI) submitted via e-mail by Matthew Johnson of Hayward Baker Inc. (HBI) to Mark Oborne of the City of Los Angeles (City) on March 28, 2013. The RFI stated:

“HBI is requesting a design review to the permanent structure grate load rating and material type. (See Drawing C- 6.0 SECTION 3-3).

HBI has discussed with the grate manufacturer and is requesting a design review by Shannon and Wilson to potentially modify the grate load rating from H-20 to Pedestrian Loading, and allow the change in material type from galvanized steel to Aluminum. The Pedestrian Load rating will be 499 lbs/sqft, which is 2 times the required OSHA standard. HBI also notes that instead of welded 3/16th inch steel plate, a thinner 1/8th in aluminum diamond plate could be substituted. Diamond plating will reduce the slipping hazard for any personnel walking through the White Point Nature Preserve as well reduce the overall weight of the grate.”

The contract documents referenced herein include plans and specifications for the White Point Drainage Project dated January 24, 2013, approved submittals, and approved RFIs.

RFI RESPONSE

Section 3-3 on Drawing C-6.0 of the plans and specifications requires double hinged steel doors at the permanent entry structure. The doors must consist of an H-20 galvanized traffic grate and 3/16 inch galvanized welded steel plate. HBI suggests in RFI 6.0 that the H-20 loading design is conservative and would require additional equipment to open the vault doors because of their weight.
ALTERNATE DESIGN

We recommend the City consider an alternative design to eliminate the vault using individual utility enclosures around individual drain clean outs as shown in the attached drawing. The drawing is conceptual only and should be reviewed by the City. Please note that the utility enclosures shown in the attached drawing are H-20 rated.

The dimensions of the utility enclosures should be determined by the maintenance equipment required for clean out of the drains, such as clamps to secure hoses to the drain pipe. City maintenance crews should provide input on the dimensions of the individual utility enclosure. The utility enclosures should be lockable.

The benefits of the smaller utility enclosures include availability (HBI reports that fabricating custom vaults would take at least four weeks), ease of installation, reduced cost of installation, and relative ease to access the clean outs.

The City should require HBI to submit working drawings of the final permanent entry structure design for review prior to construction.

Enclosed: Dewatering Permanent Structure Sketch 1
APPENDIX C

CORRESPONDANCE NO. 14

PERMANENT STRUCTURE WORKING DESIGN SUBMITTAL
April 22th, 2013

City of Los Angeles via email mark.oborne@lacity.org
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Permanent Structure Working Design Submittal – White Point Landslide
San Pedro, CA

Per RFI 6.0, HBI is submitting the attached permanent structure working design drawing with the included manufactured frames and covers that fulfill the design engineer’s specifications.

The design intent of the permanent structures frames and covers are as follows:

1) Meet the AASHTO H20 wheel load rating.
2) Require a Bolt-down locking apparatus.
3) Include a lifting apparatus for the cover.

HBI is requesting to use the supplier EMCO Wheaton (or approved equal) who was previously utilized by the City on the Whitepoint Landslide project number E1907483 for the monitoring wells.

Attached are the details of the frames and covers that meet the design intent.

If you have any further questions in regards to the permanent structure please feel free to contact myself or Chase Henri the onsite field engineer.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager
A0717 Standard Manholes

- Open throat design for easy access
- Optional steel or polyethylene skirt (8”, 12”, 18”)
- Fully painted inside and out
- Bolt-down units have water-tight lids
- Built-in handle (18”)
- Roocooood handle (24” 42”)
- Meets AASHTO H20 wheel loading

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Style</th>
<th>Skirt Type</th>
<th>Lid Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A0717-188</td>
<td>Lay-in</td>
<td>8” Steel</td>
<td>Cast Iron</td>
<td>8.9’</td>
<td>10.4’</td>
<td>6.0’</td>
<td>8.0’</td>
<td>22.3 lbs.</td>
</tr>
<tr>
<td>A0717-008</td>
<td>Lay-in</td>
<td>12” Poly</td>
<td>Cast Iron</td>
<td>8.9’</td>
<td>10.4’</td>
<td>6.0’</td>
<td>12.0’</td>
<td>16.0 lbs.</td>
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<tr>
<td>A0717-108</td>
<td>Lay-in</td>
<td>12” Steel</td>
<td>Cast Iron</td>
<td>8.9’</td>
<td>10.4’</td>
<td>6.0’</td>
<td>12.0’</td>
<td>23.0 lbs.</td>
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<tr>
<td>A0717-128</td>
<td>Lay-in</td>
<td>8” Steel</td>
<td>Cast Iron</td>
<td>12.4’</td>
<td>13.8’</td>
<td>11.3’</td>
<td>8.0’</td>
<td>32.0 lbs.</td>
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<tr>
<td>A0717-022</td>
<td>Lay-in</td>
<td>12” Poly</td>
<td>Cast Iron</td>
<td>12.4’</td>
<td>13.8’</td>
<td>11.3’</td>
<td>12.0’</td>
<td>24.0 lbs.</td>
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<tr>
<td>A0717-122</td>
<td>Lay-in</td>
<td>12” Steel</td>
<td>Cast Iron</td>
<td>12.4’</td>
<td>13.8’</td>
<td>11.3’</td>
<td>12.0’</td>
<td>34.0 lbs.</td>
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<td>Lay-in</td>
<td>10” Steel</td>
<td>Cast Iron</td>
<td>17.2’</td>
<td>18.4’</td>
<td>16.2’</td>
<td>10.0’</td>
<td>45.0 lbs.</td>
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<td>A0717-018A</td>
<td>Lay-in</td>
<td>18” Steel</td>
<td>Cast Iron</td>
<td>17.2’</td>
<td>18.4’</td>
<td>16.2’</td>
<td>18.0’</td>
<td>65.7 lbs.</td>
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<tr>
<td>A0717-018B</td>
<td>Bolt Down WT</td>
<td>10” Steel</td>
<td>Cast Iron</td>
<td>17.2’</td>
<td>18.4’</td>
<td>13.8’</td>
<td>10.0’</td>
<td>45.5 lbs.</td>
</tr>
<tr>
<td>A0717-118</td>
<td>Lay-in</td>
<td>18” Poly</td>
<td>Cast Iron</td>
<td>17.2’</td>
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<td>18.0’</td>
<td>43.0 lbs.</td>
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<tr>
<td>A0717-024</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>Steel</td>
<td>23.6’</td>
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<td>22.5’</td>
<td>10.0’</td>
<td>67.0 lbs.</td>
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<td>Bolt-Down WT</td>
<td>10” Steel</td>
<td>Steel</td>
<td>23.6’</td>
<td>24.8’</td>
<td>21.1’</td>
<td>10.0’</td>
<td>67.5 lbs.</td>
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<td>A0717-030</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>Steel</td>
<td>29.6’</td>
<td>30.8’</td>
<td>28.3’</td>
<td>10.0’</td>
<td>132.0 lbs.</td>
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<tr>
<td>A0717-036</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>1/2” Steel</td>
<td>35.6’</td>
<td>36.5’</td>
<td>34.0’</td>
<td>10.0’</td>
<td>193.0 lbs.</td>
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<td>Bolt-Down WT</td>
<td>10” Steel</td>
<td>1/2” Steel</td>
<td>35.6’</td>
<td>36.5’</td>
<td>32.8’</td>
<td>10.0’</td>
<td>193.5 lbs.</td>
</tr>
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<td>A0717-136</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>3/8” Steel</td>
<td>35.6’</td>
<td>36.5’</td>
<td>34.0’</td>
<td>10.0’</td>
<td>163.0 lbs.</td>
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<tr>
<td>A0717-038</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>1/2” Steel</td>
<td>39.6’</td>
<td>40.5’</td>
<td>36.5’</td>
<td>10.0’</td>
<td>235.0 lbs.</td>
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<tr>
<td>A0717-042</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>5/8” Steel</td>
<td>41.6’</td>
<td>42.8’</td>
<td>40.3’</td>
<td>10.0’</td>
<td>310.0 lbs.</td>
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<tr>
<td>A0717-042A</td>
<td>Lay-in</td>
<td>10” Steel</td>
<td>1/2” Steel</td>
<td>41.6’</td>
<td>42.8’</td>
<td>40.3’</td>
<td>10.0’</td>
<td>237.0 lbs.</td>
</tr>
</tbody>
</table>

WT=Water-tight

Emco Wheaton Retail • 2300 Industrial Park Drive • Wilson, North Carolina 27893 • (252) 243-0150
APPENDIX C

CORRESPONDANCE NO. 15

RE: PERMANENT STRUCTURE DESIGN DRAWING SUBMITTAL (E-MAIL)
Mark,

In our opinion, the HBI submittal satisfies the design intent of the project plans and RFI 6.0. The manhole proposed by HBI does not conform to City of Los Angeles Standard S-346-2; however, the proposed manhole is H-20 traffic rated and will likely suffice for the permanent entry structure. In our opinion, the City should instruct HBI to proceed with the permanent entry structure work as submitted.

If the City requires that the manhole conform to a City of Los Angeles Standard, the City may replace the manhole standard specified in RFI 6.0 with Standard S-281-2 (attached #1). The manhole in Standard S-281-2 is locally available off-the-shelf from Long Beach Iron Works (see attached #2).

Jason

---

**From:** Henri, Chase [mailto:CMHenri@HaywardBaker.com]
**Sent:** Monday, April 22, 2013 4:58 PM
**To:** Mark Oborne (mark.oborne@lacity.org) (mark.oborne@lacity.org)
**Cc:** Jason Buenker; Janelle Marinos; Travis Deane
**Subject:** Permanent Structure Design Drawing Submittal

Mark,

Please see attached HBI’s Permanent Structure Design Drawing Submittal as requested per RFI 6.0

Thank you,

Chase Henri, E.I.T | Field Engineer
Hayward Baker Inc.
1780 Lemonwood Drive, Santa Paula, CA, 93060
Phone: 805-933-1331 | Fax: 805-933-1338 | Cell: 805-509-3117
Email: CMHenri@haywardbaker.com

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**LBIW**

Machinists - Foundry - Fabricators
2020 WEST 14TH STREET, LONG BEACH, CA 90813
PHONE: (562) 432-5451 FAX: (562) 435-5929

Bids Received by: WAGNER ENGINEERING & SURVEY, INC.

ATTN: FELIX MIRANDA  
E-MAIL: FelixM@wesinc.org

Bid Date: 04/23/13  
Addendum Number: cweide@lb iw.com

***SENT VIA FACSIMILE***

We are pleased to provide you with a quote for the following miscellaneous metals for the construction of:

Project: WHITE POINT LANDSLIDE

Location: SAN PEDRO, CALIFORNIA

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>U/M</th>
<th>DESCRIPTION OF ITEMS TO BE FURNISHED</th>
<th>PRICE</th>
<th>U/M</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A)</td>
<td>20</td>
<td>EA</td>
<td>S-281-2 24&quot; DIA. MANHOLE F&amp;C, &quot;CITY OF L.A. D&quot;, INSPECTED.</td>
<td>$395.00</td>
<td>EA</td>
<td>$7,900.00</td>
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<td>1B)</td>
<td>0</td>
<td>EA</td>
<td>BOLTING PER SPPWC 630-3, NOTE 8, IF REQUIRED.</td>
<td>$30.00</td>
<td>EA</td>
<td>$0.00</td>
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<td>2)</td>
<td>0</td>
<td>EA</td>
<td>JOBSITE DELIVERY (ONE SHIPMENT) TO SAN PEDRO, CA.</td>
<td>$180.00</td>
<td>EA</td>
<td>$0.00</td>
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<tr>
<td>3)</td>
<td>0</td>
<td>EA</td>
<td>STEEL STEPS, PER S-348-1 OR SPPWC 635-3, GALVANIZED.</td>
<td>$13.95</td>
<td>EA</td>
<td>$0.00</td>
</tr>
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</table>

*LBIW's PRODUCTS MEET ARRA BUY AMERICA REQUIREMENTS
VISIT WWW.LBIW.COM TO VIEW PHOTOS, STANDARD PLAN DRAWINGS AND OUR EXPANDED CATALOG OF MISCELLANEOUS METALS FOR INFRASTRUCTURE CONSTRUCTION

**NOTES:**
1) NO INSTALLATION, GRADE RINGS OR FIELD WORK IS INCLUDED.
2) QUOTING CITY OF LOS ANGELES INSPECTED SETS FROM CURRENT INVENTORY.
3) BOLTING OFFERED TO DISCOURAGE UNAUTHORIZED OR INADVERTENT STRUCTURE ACCESS.
4) UNIT PRICES ARE VALID FOR THIRTY (30) DAYS FROM THE DATE OF THIS QUOTATION 04/23/13.
5) PRICES ARE F.O.B. LBIW, INC. - LONG BEACH, CALIFORNIA.

PAGE ONE (1) QUOTATION TOTAL: $7,900.00

F.O.B. ---SEE NOTE 5

<table>
<thead>
<tr>
<th>TERMS</th>
<th>SALES TAX: AS APPLICABLE (PLEASE ADD SALES TAX)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COD OR AS ARRANGED</td>
<td></td>
</tr>
</tbody>
</table>

Submitted By: CHRIS WEIDE  
cweide@lb iw.com

Accepted By: ___________________________  Accepted By: ___________________________
SECTION "A" COVER

DETAIL C

DETAIL A - CROSS RIB

DETAIL OF FRAME

LETTER HEIGHT VARIES
FIT TIGHT "S" OR "D" LETTERS AS APPLICABLE WITHIN SPECIFIED 3" DIA. CIRCLE

DETAIL B
NOTES

GENERAL

1. MAINTENANCE HOLE FRAME AND COVER SHALL CONFORM TO THE STANDARD SPECIFICATIONS,
   BROWN BOOK AND THE CITY OF LOS ANGELES STANDARD PLAN S-601 LATEST EDITION. IN CASE
   OF A CONFLICT BETWEEN THIS STANDARD PLAN "S-281-3" AND OTHER CITY OF LOS ANGELES
   STANDARD PLANS INCLUDING BUT NOT LIMITED TO STANDARD PLAN "S-601" LATEST EDITION,
   THIS STANDARD PLAN "S-281-3" SHALL GOVERN.

2. MAINTENANCE HOLE FRAME AND COVER SHALL BE CAST IRON CONFORMING TO SECTION 206-3
   OF THE STANDARD SPECIFICATIONS AND SHALL RECEIVE AN ASPHALTIC COATING. AFTER
   FABRICATION EXCEPT MACHINED SURFACES, CONFORMING TO SECTION 206-3.6 OF THE STANDARD
   SPECIFICATIONS.

3. ALL HOLES IN CAST IRON SHALL BE DRILLED AFTER CASTING OR PLUGGED PRIOR TO
   CASTING. THEY SHALL NOT BE PUNCHED.

4. WEIGHT OF MAINTENANCE HOLE FRAME AND COVER SHALL BE PER THE FOLLOWING TABLE:

<table>
<thead>
<tr>
<th>WEIGHT RANGE</th>
<th>MINIMUM</th>
<th>MAXIMUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRAME</td>
<td>250 LBS</td>
<td>275 LBS</td>
</tr>
<tr>
<td>COVER</td>
<td>175 LBS</td>
<td>195 LBS</td>
</tr>
</tbody>
</table>

TESTING

5. MAINTENANCE HOLE FRAME AND COVER SHALL BE TESTED FOR ACCURATE FIT, AND MARKED IN
   SETS PRIOR TO DELIVERY TO THE JOB SITE.

6. MAINTENANCE HOLE FRAME AND COVER SHALL BE TESTED FOR STRUCTURAL AND IMPACT
   LOADING, DEFLECTION, LONG TERM ABRASION AND SLIP RESISTANCE IN ACCORDANCE WITH
   THE CITY OF LOS ANGELES STANDARD PLAN S-601, LATEST EDITION.

7. PROVIDE FABRICATION / BATCH INSPECTION PER SUBSECTION 206-3.2 OF THE STANDARD
   SPECIFICATION. THE PROOF-LOAD FOR TEST METHOD B, SUBSECTION 206-3.2 OF THE STANDARD
   SPECIFICATION IS 52,000 LBS.

MARKINGS

8. MAINTENANCE HOLE COVERS FOR USE ON SEWER STRUCTURES SHALL BEAR THE LETTER "S" AND
   ON STORM DRAIN STRUCTURES THE LETTER "D" LOCATED AT THE CENTER OF THE COVER.
   SEE DETAIL B ON SHEET 2.

9. MARKINGS LOCATED ON FRAME AND TOP OF COVER SHALL BE FLUSH WITH FINISHED SURFACE.
   MARKINGS LOCATED ON THE COVER SOFT MATERIAL SHALL BE RAISED ABOVE THE ADJACENT FINISHED
   SURFACE. ETCHING, DIE STAMPING, ENGRAVING OR WELDING ON MARKINGS WILL NOT BE
   ACCEPTED.

10. COVER TYPE, IDENTIFICATION, FOUNDRY, HEAT NUMBER, MANUFACTURING DATE AND THE
    ENGLISH NAME OF COUNTRY OF ORIGIN PRECEDED BY "MADE IN" MARKINGS SHALL BE PER THE
    FOLLOWING TABLE. ALL MARKINGS SHALL BE RAISED, FLAT FACE LETTERS MARKED BY MEANS OF
    CAST-IN-MOLD LETTERING

<table>
<thead>
<tr>
<th>COVER</th>
<th>MARKINGS</th>
<th>FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP SURFACE (Traffic side)</td>
<td>DESCRIPTION, LOCATION AND SIZE <em>(Height x Width x Depth)</em></td>
<td>INNER BASE (Exposed side)</td>
</tr>
<tr>
<td>BOTTOM SURFACE (Soft/Underside)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| IDENTIFICATION | 1-1/2" x 1/4" x 3/16" |
| * PRIVATE * or * CITY OF LOS ANGELES * |

| COUNTRY OF ORIGIN | 5/16" x 3/16" x 3/16" |
| * THE ENGLISH NAME OF COUNTRY OF ORIGIN * |

| TYPE OF MAINTENANCE HOLE | 1-1/2" x 1/4" x 3/16" |
| * S * for Sewer MH | * D * for Storm Drain MH |

| OTHER | 5/16" x 3/16" x 3/16" |
| FOUNDRY NAME | MANUFACTURING DATE |

* * Adjust spacing, kerning and/or mortising of letters as needed such that letters appear evenly spaced. The minimum spacing between words shall be ½ of the letter height specified.*
APPENDIX C

CORRESPONDANCE NO. 16

DOWNHOLE SURVEYS – RFI 8.0
April 24th, 2013

City of Los Angeles via email mark.oborne@lacity.org
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne

Subject: Downhole Surveys – RFI 8.0

HBI is submitting this RFI as a follow up to the gyro downhole survey data submitted on 22APR13. Drawing C-2.0 SECTION 1.04 SUBMITTALS, Section H, 2, specifies the following:

"At the conclusion of HDD Construction, the Contractor shall perform a downhole survey of the completed HDD alignments, providing Northing, Easting, and Elevation of all completed drill paths...”

HBI is requesting that the compiled wireline data, which shows excellent accuracy (see data referenced above), be used in lieu of additional downhole surveys for the remaining 15 holes. HBI believes that the microcoil-enhanced wireline accuracy as verified by consistently accurate drill paths and breakouts in the field renders additional downhole surveys redundant. A significant cost savings to the City would result in using the wireline data instead of additional downhole surveys.

Please advise and we will proceed accordingly.

Sincerely,

Hayward Baker Inc.

Matt Johnson
Project Manager
APPENDIX C

CORRESPONDANCE NO. 17

RE: PERMANENT STRUCTURE DESIGN DRAWING SUBMITTAL (E-MAIL)
Hi Mark,

Just to clarify the below e-mail, Shannon & Wilson recommends HBI be approved to construct the permanent drain entry structure. In our opinion, HBI’s Permanent Structure Design Drawing Submittal satisfies the design requirements.

From: Jason Buenker
Sent: Wednesday, April 24, 2013 1:05 PM
To: Mark Oborne (mark.oborne@lacity.org) (mark.oborne@lacity.org)
Cc: Janelle Marinos; Travis Deane; 'Henri, Chase'; 'Matt Johnson (mgjohnson@haywardbaker.com)'; 'Felix Miranda'
Subject: RE: Permanent Structure Design Drawing Submittal

Mark,

In our opinion, the HBI submittal satisfies the design intent of the project plans and RFI 6.0. The manhole proposed by HBI does not conform to City of Los Angeles Standard S-346-2; however, the proposed manhole is H-20 traffic rated and will likely suffice for the permanent entry structure. In our opinion, the City should instruct HBI to proceed with the permanent entry structure work as submitted.

If the City requires that the manhole conform to a City of Los Angeles Standard, the City may replace the manhole standard specified in RFI 6.0 with Standard S-281-2 (attached #1). The manhole in Standard S-281-2 is locally available off-the-shelf from Long Beach Iron Works (see attached #2).

Jason

From: Henri, Chase [mailto:CMHenri@HaywardBaker.com]
Sent: Monday, April 22, 2013 4:58 PM
To: Mark Oborne (mark.oborne@lacity.org) (mark.oborne@lacity.org)
Cc: Jason Buenker; Janelle Marinos; Travis Deane
Subject: Permanent Structure Design Drawing Submittal

Mark,

Please see attached HBI’s Permanent Structure Design Drawing Submittal as requested per RFI 6.0

Thank you,

Chase Henri, E.I.T | Field Engineer
Hayward Baker Inc.
1780 Lemonwood Drive, Santa Paula, CA, 93060
Phone: 805-933-1331 | Fax: 805-933-1338 | Cell: 805-509-
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APPENDIX C

CORRESPONDANCE NO. 18

RE: RFI 8.0 DOWNHOLE SURVEYS (E-MAIL)
Per our conference call today, it was agreed that RFI 8.0 no longer needs a response since HBI will proceed to Gyro the holes as specified with no changes or revisions needed from the Specifications.

Best Regards,

Matt Johnson | Project Manager
Hayward Baker Inc.
tel: 805-933-1331 | email: mgjohnson@haywardbaker.com

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APPENDIX C

CORRESPONDANCE NO. 19

DRAIN HOLE FOR PERMANENT STRUCTURE MANHOLE – RFI 9.0
July 3rd, 2013

City of Los Angeles
Department of Bureau of Engineering
1149 South Broadway, Suite 120
Los Angeles, California 90015

Attention: Mr. Mark Oborne and Mr. Gene Edwards

Subject: Drain hole for permanent structure manhole. –RFI 9.0

HBI is requesting a design review for drainage path shown attached to the permanent structure manhole on attached permanent structure drawing supplied by Wagner Engineering & Survey, Inc. HBI is proposing to put a 90 degree bend beneath the steel manhole frame in order to eliminate cutting into the manhole frame. Please provide updated recommendations or acceptance of the 90 degree bent drain hole beneath the steel frame of the man hole.

Sincerely,
Hayward Baker Inc.

Matt Johnson
Project Manager

Chase Henri
Project Engineer
90 degree bend beneath manhole frame
APPENDIX C

CORRESPONDANCE NO. 20

RE: DRAIN HOLE FOR PERMANENT STRUCTURE (E-MAIL)
Pedro,

Shannon & Wilson recommends the City accept the 90 degree bend in the drains proposed by HBI in RFI 9.0. In our opinion, this will expedite the construction process, while satisfying design requirements.

Jason

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From: Henri, Chase [mailto:CMHenri@HaywardBaker.com]
Sent: Wednesday, July 10, 2013 9:48 AM
To: Jason Buenker; Robert Lackaye
Cc: Pedro Garcia; Johnson, Matthew
Subject: RE: Drain hole for permanent structure

Jason,

Attached is RFI 9.0 for the manhole drain.
Let me know if you need any further information.
Thank you,
Chase Henri, E.I.T | Project Engineer
Hayward Baker Inc.
1780 Lemonwood Drive, Santa Paula, CA, 93060
Phone: 805-933-1331 | Fax: 805-933-1338 | Cell: 805-509-3117
Email: CMHenri@haywardbaker.com

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THINK SAFE

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From: Jason Buenker [mailto:JZB@shanwil.com]
Sent: Wednesday, July 10, 2013 9:26 AM
To: Robert Lackaye
Cc: Henri, Chase; Pedro Garcia
Subject: RE: Drain hole for permanent structure

Chase,

Would you resend RFI 9.0?

---

From: Robert Lackaye [mailto:robert.lackaye@lacity.org]
Sent: Tuesday, July 09, 2013 8:59 AM
To: Jason Buenker
Cc: Chase Henri; Pedro Garcia
Subject: Re: Drain hole for permanent structure

Hi Jason,

Thanks for your work on this. Unfortunately, the city inspector does not have the qualifications or authority to accept or approve any design changes. Could HBI's RFI please be forwarded to BOE with the engineer's recommendations in the established fashion so that he may respond before work begins? Thank you very much.

On Wed, Jul 3, 2013 at 3:09 PM, Jason Buenker <JZB@shanwil.com> wrote:

Chase,
Shannon & Wilson recommends the City Inspector accept the 90 degree bend in the drain.

From: Henri, Chase [mailto:CMHenri@HaywardBaker.com]
Sent: Wednesday, July 03, 2013 3:06 PM
To: Gene Edwards (Gene.Edwards@lacity.org); Mark Oborne (mark.oborne@lacity.org) (mark.oborne@lacity.org)
Cc: Jason Buenker; Johnson, Matthew; Robert Lackaye (robert.lackaye@lacity.org)

Subject: RE: Drain hole for permanent structure

Jason,

Please request this as requested by Robert Lackey, Site City Inspector.

Thank you,

Chase Henri, E.I.T | Project Engineer
Hayward Baker Inc.
1780 Lemonwood Drive, Santa Paula, CA, 93060
Phone: 805-933-1331 | Fax: 805-933-1338 | Cell: 805-509-3117
Email: CMHenri@haywardbaker.com

From: Robert Lackaye [mailto:robert.lackaye@lacity.org]
Sent: Wednesday, July 03, 2013 2:42 PM
To: Henri, Chase
Cc: JZB@shanywil.com; Johnson, Matthew
Subject: Re: Drain hole for permanent structure

Chase,

I have read and understand the email stream. An RFI or plan clarification is required by the city for this installation not shown in the plan.

On Wed, Jul 3, 2013 at 1:47 PM, Henri, Chase <CMHenri@haywardbaker.com> wrote:

Bob,

This has been addressed with Shannon & Wilson, the intent of the drain hole is to drain out the water from the permanent structure. I have spoken with Jason from Shannon & Willson and he has replied as seen in the email chain below, that it is ok to put a 90 degree bend beneath the manhole frame in or to not have to cut into the metal frame to form the drain hole. If you have any further question in regards please feel from to contact myself further for discussion.

Thank you,

Chase

From: Robert Lackaye [mailto:robert.lackaye@lacity.org]
Sent: Wednesday, July 03, 2013 8:47 AM
To: Henri, Chase; Smith, Nancy
Cc: Jason; Pedro Garcia
Subject: Re: Drain hole for permanent structure

Nancy & Chase,

Is this in the works? I never got a response and I know SHOWCASE CONCRETE is scheduled to begin work next week. Thanks.

Bob

On Fri, Jun 21, 2013 at 11:50 AM, Robert Lackaye <robert.lackaye@lacity.org> wrote:

Chase & Jason,

Can you guys put this in an RFI or Plan Clarification? Thanks.

Bob
On Fri, Jun 21, 2013 at 9:56 AM, Henri, Chase <CMHenri@haywardbaker.com> wrote:

Sent from my iPhone

Begin forwarded message:

From: Jason Buenker <JZB@shanwil.com<mailto:JZB@shanwil.com>>
Date: June 21, 2013, 9:32:33 AM PDT
To: "Henri, Chase" <CMHenri@HaywardBaker.com<mailto:CMHenri@HaywardBaker.com>>
Subject: RE: Drain hole for permanent structure

Chase,

The 90 degree bend should be fine. The design intent of the drain is to move water out of the base of the structure. The 90 bend should satisfy that design intent.

Thanks,

Jason

From: Henri, Chase [CMHenri@HaywardBaker.com<mailto:CMHenri@HaywardBaker.com>]
Sent: Friday, June 21, 2013 9:18 AM
To: Jason Buenker
Subject: Drain hole for permanent structure

Jason,

Bob has requested for there to be a revision on the drain hole for the manholes installed into the concrete permanent structure. Currently it shows the drain fixed to the side of the manhole. HBI would like to put a 90 degree drain that goes under the metal manhole wall, instead of having to cut the manhole cover and fix it to the side as shown in section 2-2 of the Dewatering permanent structure sketch.

Thank you Jason,
Chase Henri, E.I.T | Project Engineer
Hayward Baker Inc.
1780 Lemonwood Drive, Santa Paula, CA, 93060
Phone: 805-933-1331 | Fax: 805-933-1338 | Cell: 805-509-3117
Email: CMHenri@haywardbaker.com<mailto:CMHenri@haywardbaker.com>

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Robert C. Lackaye
Construction Inspector
Bureau of Contract Administration
Department of Public Works
City of Los Angeles
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