INLET STRUCTURE LATERAL
PILE CAPACITIES
**IE QMS - Americas** | **Independent Technical Review**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Lake Maurepas Diversion</th>
<th>Client</th>
<th>CPRA</th>
</tr>
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<tbody>
<tr>
<td>Project Location</td>
<td>St. John the Baptist, LA</td>
<td>PM</td>
<td>Naveen Chillara</td>
</tr>
<tr>
<td>Project Number</td>
<td>10001876</td>
<td>PIC</td>
<td>Mike Patorno</td>
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(This section is to be completed by the Project Manager or the PM's Designee.)

Assigned Reviewer: Dwayne Smith  
Comments Required by: June 24, 2013

Work Product Originator: Ignacio Harrouch
Work Product to be Reviewed: PILE analyses
Review Scope: Review for technical accuracy and applicability
Specific Instructions: Enter specific instructions for the work product.
Submitted by:

<table>
<thead>
<tr>
<th>Project Manager Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td></td>
<td>9/30/13</td>
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(This Section is to be completed by the Reviewer.)

Select:
A. ☐ Reviewer has no comments.
or
B. ☐ Comments have been provided on:
   - ☐ Marked directly on work product
   - ☐ Comment and Disposition Form 3-5
   - ☐ Other; Specify: Click to enter text.

Reviewer Signature | Date |
<table>
<thead>
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<td></td>
<td>6/24/2013</td>
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(This section is to be completed by the Reviewer after verification of comment incorporation, if box B is checked off above.)

Select:
C. ☐ Verification of comment incorporation has been performed by Reviewer. There are no outstanding issues.
or
D. ☐ Verification of comment incorporation has been performed by Reviewer. Unresolved issues have been submitted to the Project Manager or Designee for resolution.
and
E. ☐ Reviewer asserts that the work product ITR is complete.

Reviewer Signature | Date |
|--------------------|------|

APPROVAL and DISTRIBUTION

☐ ITR is complete.

Project Manager or Designee Signature | Date |
<table>
<thead>
<tr>
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<th></th>
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<tr>
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Click here to enter a date.

Distribution:
Project Central File – Quality File Folder
Other – Specify: Enter names here.
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<td>Mike Patomo</td>
</tr>
</tbody>
</table>

(This section is to be completed by the Project Manager or the PM's Designee.)

Assigned Checker: Graham Forsythe
Comments Required by: June 21, 2013

Work Product Originator: Ignacio Harrouch
Work Product to be Checked: LPILE analyses

☒ This Detail Check is a check for correctness, completeness and technical accuracy.
☐ This Detail Check is only a technical edit for format, spelling, grammar, pagination and readability.

Specific Instructions: Enter specific instructions for the work product.

Submitted by: [Signature]

Project Manager Signature: [Signature]
Date: [Date]

Select:
A. ☐ Checker has no comments.
or
B. ☒ Comments have been provided on:
   - ☐ Marked directly on work product
   - ☐ Comment and Disposition Form 3-5
   - ☒ Other; Specify: Discussed with originator

Checker Signature: [Signature]
Date: 6/20/2013

(This section is to be completed by the Checker after verification of comment incorporation, if box B is checked off above.)

Select:
C. ☒ Verification of comment incorporation has been performed by Checker. There are no outstanding issues.
or
D. ☐ Verification of comment incorporation has been performed by Checker. Unresolved issues have been submitted to the Project Manager or Designee for final resolution.
and
E. ☐ Checker asserts that the work product review is complete.

Checker Signature: [Signature]
Date: 6/21/2013

Detail Check is complete:

☐ [Signature]

APPROVAL and DISTRIBUTION

Project Manager or Designee Signature: [Signature]
Date: [Date]

Distribution:
Project Central File – Quality File Folder
Other – Specify: Enter names here.

Click here to enter a date.
Lateral Deflection (inches)

Depth (ft)

HP14x73  (Axial Load 275 Kips)
Bending Moment (in-kips)

Depth (ft)

5 Kips
10 Kips
15 Jips
20 Kips
25 Kips
30 Kips

HP14x73 (Axial Load 275 Kips)
Shear Force (kips)

HP14x73 (Axial Load 275 Kips)
Pile Length (ft)

HP14x89 (Axial Load 275 Kips)
Lateral Deflection (inches)

Depth (ft)

HP14x89   ( Axial Load 275 Kips)
Pile Length (ft)

HP14x102  (Axial Load 275 Kips)
Bending Moment (in-kips)

HP14x102   ( Axial Load 275 Kips)

Depth (ft)

1 Kip
2 Kips
3 Kips
4 Kips
5 Kips
6 Kips
7 Kips
8 Kips
9 Kips
11 Kips

HP14x102   ( Axial Load 275 Kips)
Shear Force (kips)

HP14x102 (Axial Load 275 Kips)
Bending Moment (in-kips)

PPCP 14-inch (Axial Load 110 Kips)
Shear Force (kips)

PPCP 14-inch (Axial Load 110 Kips)

Depth (ft)
Lateral Deflection (inches)

PPCP 16-inch (Axial Load 130 Kips)
Shear Force (kips)

PPCP 16-inch (Axial Load 130 Kips)
Lateral Deflection (inches)

Pipe Pile 18-inch (Axial Load 275 Kips)
Bending Moment (in-kips)

Depth (ft)

PP 18-inch (Axial Load 275 Kips)
Shear Force (kips)

PPCP 18-inch (Axial Load 275 Kips)

Depth (ft)

0 2 4 6 8 10 12 14 16

-10 -8 -6 -4 -2 0 2 4 6 8 10 12 14 16

1 Kip 3 Kips 5 Kips 7 Kips 9 Kips 11 Kips 13 Kips 14 Kips 15 Kips 16 Kips

PPCP 18-inch (Axial Load 275 Kips)