

### Statement of Technical Review for Completion of Independent Technical Review

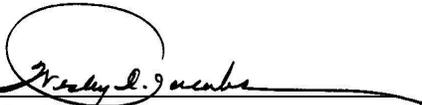
Bioengineering ARCADIS, LLC, has completed the Revised Hydraulic Criteria Appendix and Engineering Alternatives Report for the St. Bernard Parish Hurricane Protection Systems LPV 144 – 149. Notice is hereby given that an independent technical review, which is appropriate to the level of risk and complexity inherent in the project, has been conducted as defined in the Design Quality Control Plan. The independent technical review included review of: assumptions; methods, procedures, and material used in analyses; alternatives evaluated; the appropriateness of data used and level obtained; and reasonableness of the result, including whether the product meets the customer's needs. The independent technical review was accomplished by an independent team. All comments resulting from the review have been resolved.



Quality Assurance Manager

October 3, 2008

Date



Project Manager

October 3, 2008

Date

### CERTIFICATION OF INDEPENDENT TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are documented in the following pages.

As noted above, all concerns resulting from independent technical review of this engineering product have been fully resolved.



Program Manager,  
Bioengineering ARCADIS, LLC

October 3, 2008

Date

Comment Report: All Comments  
 Project: HPO - St. Bernard Parish  
 Review: LPV 144 - 149 EAR Appendix ITR  
 Displaying 74 comments for the criteria specified in this report.  
 3312 ms to run this page

<a href="#">Id</a>	<a href="#">Discipline</a>	<a href="#">Section/Figure</a>	<a href="#">Page Number</a>	<a href="#">Line Number</a>
1979114	Geotechnical	Deep Soil Mixing Cost Report	4-LPV 145, Pg 31 (and other locations)	n/a
<p>Deep soil mixing costs are based on input from a single vendor (Hayward Baker); however, it would seem that other vendors should be contacted to independently verify the estimate given this unit price has such an impact on the alternative's cost. The unit cost notes are unclear in terms of allowing a check of the adjusted price for treated volume unit cost. The assumption states that the mixed volume equals 40% of the treated volume, but this is only indicating there is a volume increase during treatment – the cost should be related back to in-situ volume – what volume change occurs to the soil during mixing and subsequent treatment and how does this change the cost from \$80/cy to \$32/cy – and consequently is this an appropriate adjustment to apply uniformly for the entire ground improvement area. The volume change is likely to vary considerably with different soil types and density, so it seems the unit price would be very sensitive to the conversion to "treated volume".</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08</p> <p>Revised 30-Jun-08.</p>				
1-0	<p><b>Evaluation Concurred</b>            Concur. Unit rate could include other vendors. However, none of the other vendors replied to our cost estimate requests at that time. 40% of treated volume is a good estimate at this point for cost purposes. Experience shows that 40% is the approximate replacement ratio to achieve the designed strength for New Orleans soft clays. It doesn't vary much within soft clays and soft clays are dominant at the project site.</p> <p>Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08</p>			
1-1	<p><b>Backcheck Recommendation Close Comment</b>            Closed without comment.</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08</p>			
2-0	<p><b>Evaluation Concurred</b>            In addition, \$80 / cy is being used by the USACE on other projects in the NOD for the treated volume. The quantities provided to the cost estimator were the total in-situ volume. The replacement ratio was applied to the unit rate to change it from \$80 / cy to \$32 / cy to account for costing just the treated volume. The 30 to 40% has been typically used on other USACE projects. Due to comments regarding the replacement ratio, this will be changed to 30%. Final design of the DSM if selected will determine the required spacing and strength required, but 30 to 40% is a good start.</p> <p>Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08</p>			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1979141	Geotechnical	n/a'	n/a	n/a
<p>Have settlement estimates for the deep soil mixing alternative accounted for any consolidation of soils below the treated zone due to the net increase in weight from the dry soil mixing amendment? If a factor, would there be enough to require additional fill to restore grade to the required design elevation by 2057?</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08</p>				

1-0	<b>Evaluation Non-concurred</b> It is assumed that the soil mixing will have the same unit weight as before treatment. Several resources stated that the unit weight increase is negligible after treatment.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
2-0	<b>Evaluation Non-concurred</b> Settlement estimates were performed for the soils below the DSM zone due to the increase in levee height not the increase in unit weight of the DSM zone. Overbuild was taken into account.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
	Backcheck not conducted			
	Current Comment Status: <b>Comment Closed</b>			
1979184	Geotechnical	Appendix C LPV-145 Shear Lines	n/a	n/a
There appears to be one or two shear lines that have been used for 330 ft of levee. These have been plotted with undrained shear strength values from UU triaxial tests which show quite a bit of scatter in the data. Has the evaluation considered additional shear lines for smaller areas using a subset of the shear strength data for he respective smaller areas, as a possibly means to remove scatter and prepare more location-specific shear lines?  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08  Revised 30-Jun-08.				
1-0	<b>Evaluation Concurred</b> Concur. However, additional refinement was not scoped for this study.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
2-0	<b>Evaluation Concurred</b> The number of shearlines was discussed at the beginning of the project. The number resembles those that are in the GDM. For this level of study, this appear to be appropriate. Additional refinements will be accounted for in the final design. We have one in LPV 144 (for the structure), one in LPV 145, three in LPV 146, one for LPV 147, and three for LPV 148 (two for levee and one for St. Mary's).  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
	Backcheck not conducted			
	Current Comment Status: <b>Comment Closed</b>			
1979198	Geotechnical	Appendix C LPV-145 Shear Lines	n/a	n/a
A sizeable number of triaxial shear strength results in the data are below, i.e., less shear strength, than the New HNTB shear line. The reviewer could not determine what provided the justification to increase from the earlier lower shear strength HNTB shear line (which is generally a lower bound to the data and conservative) to the new?  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08				

Revised 30-Jun-08.				
1-0	<b>Evaluation For Information Only</b> We have two sets of boring data: old ones (1970's and 1980's) and new ones (2007). The new design shear line was based on new borings and old design shear line was based on old borings. New borings indicated shear strength improvements as compared to the old ones.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
2-0	<b>Evaluation For Information Only</b> Also, CPTs were compared with the strength line to show resonable results. These lines were also reviewed by the USACE prior to analysis.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1979293	Geotechnical	Appendix C LPV-145 FS/PS Shear Line	n/a	n/a
The new HNTB design shear line and strength gain shear strength line eventually coincide and exceed reference c/p ratio (undrained shear strength ratio) = 0.3 shear line for normally consolidated soils and exceeds the UU triaxial shear strength data below -55 ft. The reviewer did not locate the rationale for these decisions.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08  Revised 30-Jun-08.				
1-0	<b>Evaluation Concurred</b> The shear line above EI -57 was based on the boring data. Since stability analysis needs soil strengths below EI -57, the same trend (psf/ft) was assumed to extend the shear line to deeper elevations.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
2-0	<b>Evaluation For Information Only</b> These shearlines were also compared generally with CPT data which showed good results. These shearlines were also reviewed by Omaha District who had been performing the soils investigation at the time. Further refinements to the shearlines will be made in final design after more and deeper data is obtained.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1979317	Geotechnical	Appendix C LPV-145 FS/PS Shear Line	n/a	n/a
The reference shear lines are plotted for normally consolidated conditions with c/p ratios ranging from 0.1 to 0.3. Perhaps an additional reference shear line considering the overconsolidation ratio (OCR) should be plotted for the strength gain cases				

so the stress history of the soil is included in the evaluation.

Submitted By: [James Beaver](#) (503.220.8201, 1101). Submitted On: 30-Jun-08

Revised 30-Jun-08.

1-0	<p><b>Evaluation Non-concurred</b> It is assumed that all the native soils are normally consolidated and essentially OCR equals 1.</p> <p>Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08</p>
1-1	<p><b>Backcheck Recommendation Close Comment</b> Closed without comment.</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08</p>
<p>Current Comment Status: <b>Comment Closed</b></p>	

1979376	Geotechnical	Appendix C LPV-145 C/L and FS/PS Unit Weight lines	n/a	n/a
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The interval of -10 ft to -20 ft has very low unit weight material (reported as peat) and could imply a preferential zone for relatively low factor of safety wedge or circular critical slip surfaces assuming low shear strength zones (if left without ground improvement). It appears stability analyses have incorporated the shear strength and unit weight data for this layer.

Submitted By: [James Beaver](#) (503.220.8201, 1101). Submitted On: 30-Jun-08

Revised 30-Jun-08.

1-0	<p><b>Evaluation Concurred</b> The weak zone was considered and analyzed.</p> <p>Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08</p>
1-1	<p><b>Backcheck Recommendation Close Comment</b> Closed without comment.</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08</p>
2-0	<p><b>Evaluation Concurred</b> Peat strengths were shown to actually be higher than the clays around them. Therefore, an appropriate strength was selected.</p> <p>Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08</p>
<p><i>Backcheck not conducted</i></p>	
<p>Current Comment Status: <b>Comment Closed</b></p>	

1979407	Geotechnical	Appendix C CWALSHT	n/a	n/a
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It appears the cantilever and anchored sheet pile wall design analyses were based on short-term undrained shear strength conditions only. Are the long-term drained conditions required for confirming the tip elevation, i.e., using friction angle values without cohesion? Further, the undrained shear strength values used in the analysis seemed high?

Submitted By: [James Beaver](#) (503.220.8201, 1101). Submitted On: 30-Jun-08

Revised 30-Jun-08.

1-0	<b>Evaluation Check and Resolve</b> Long-term conditions are generally not as critical as short term conditions and we were scoped only to analyze the short-term conditions. The undrained shear strength used in the anchored bulkhead analysis is the same as those used in slope stability analysis which is based on the same design shear line. The design shear line was approved by USACE prior to our analysis.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1979411	Geotechnical	Appendix C HWL/Seepage	n/a	n/a
Lane's Weighted Creep Method was used for T-wall seepage analysis to determine sheet pile cutoff elevation. What are the factors of safety on the exit gradients? How does this method compare with flow net analysis approaches?  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08  Revised 30-Jun-08.				
1-0	<b>Evaluation Check and Resolve</b> It was instructed by USACE to use Lane's Weighted Creep Method to determine sheet pile depths. It's a "line of creep" based method and it doesn't create flow nets in the soils. As a result, no factor of safety on the exit gradient is reported by Lanes Weighted Creep Method.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
2-0	<b>Evaluation Non-concurred</b> For this level of study, only an estimate is required for sheet pile for seepage purposes. Additional analysis will be carried forward in final design. Seepage is not as critical an issue for T-walls as typically the sheet pile (using the March 07 guidelines) is dictated by stability. March 07 guidelines also do not require the design based on exit gradients. These lengths will be required to be revised once the new guidelines are used in final design. If the sheet pile tipped into sand, these were extended at least 5 feet into the clay below the sand.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1979424	Geotechnical	Appendix C LPV 145 Station 586+00 Method of Planes and SLOPE/W analysis	n/a	n/a
Assuming reviewer understands approach, the additional fill to increase the levee height to the required design elevation is significant compared to the existing condition. Global slope stability of the levee above low shear strength foundation soils have been analyzed, but it appears the internal stability within the levee may require additional circular and/or wedge searches to verify acceptable factors of safety, particularly if the borrow soils to construct the levee will have inherently low shear strength during and after construction. Regarding SLOPE/W analyses as an example, soil layer #34 is referred to for this comment related to internal slope stability above soil mixed zone of the foundation soils.				

Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08				
Revised 30-Jun-08.				
1-0	<b>Evaluation <b>Concurred</b></b> Concur. Those shallow/local failure modes were searched and compared and only the most critical failure surface was presented in the report. Regarding soil layer #34 in the example, it has a much higher FS than the deeper ones in this case.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation <b>Close Comment</b></b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1979428	Geotechnical	Appendix C LPV 145	489 (and other analysis sections)	n/a
For cases with design water level against the levee on the flood side, why does the phreatic line slope so steeply downward to the tailwater elevation through the levee. Wouldn't the more conservative analysis approach favor running the phreatic line along ground surface starting at a higher elevation on the protected side of the levee? It seems a higher elevation for the phreatic condition within the levee should be developed for this section and others?  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08  Revised 30-Jun-08.				
1-0	<b>Evaluation <b>Non-concurred</b></b> The piezometric line transition across the levee from flood side to protected side as shown was assumed and was approved by USACE. The location of the piezometric line has minimum impact on slope stability factor of safety since piezometric line is not used for clays' undrained strength.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	<b>Backcheck Recommendation <b>Close Comment</b></b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1979447	Geotechnical	Appendix C LPV 145	845	n/a
Designers are commended on decision to include a sheet pile wall as a cutoff to groundwater flow for the wick drain option. Using the a steady-state condition for the case when flood side design water level elevation is reached, has the SEEP/W analysis also considered the flow rate that would develop through the levee on the protected side as a result of a composite increase in hydraulic conductivity of this zone (anticipating the potential for a concentration of groundwater flow within this zone close to the sheet pile wall)? Are groundwater flow rates problematic despite the sheet pile wall?  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08  Revised 30-Jun-08.				
1-0	<b>Evaluation <b>Check and Resolve</b></b> The analysis indicated that the groundwater flow will be a problem without a sheet pile. The effect of composite increase of hydraulic conductivity is modeled by Seep/W by defining the boundary conditions and appropriate hydraulic conductivity for each individual material including wick drains.			

	Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1979450	Geotechnical	Appendix D LPV 146 FS/PS Shear Line	n/a	n/a
<p>It is unclear to the reviewer why the new HNTB shear line increases so sharply from -20 to -30 feet. The UU triaxial data is widely distributed throughout the depth of testing and doesn't appear to support this sharp increase.</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08</p> <p>Revised 30-Jun-08.</p>				
1-0	Evaluation <b>For Information Only</b> That's the sand layer and a phi angle of 30 degrees was used.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b>  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1979458	Geotechnical	n/a'	n/a	n/a
<p>Was the rationale for the undrained shear strength value selected for the dry soil mix zone provided in the report? Was this based on actual data? Would the design include triaxial testing of soil mix batches using site soils as part of the analysis?</p> <p>Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101). Submitted On: 30-Jun-08</p>				
1-0	Evaluation <b>Check and Resolve</b> The undrained shear strength of soil mixing zone was an assumed value as directed by USACE. It's a typical design value by the USACE and it is readily achievable. Tests will be performed to ensure that this design strength will be achieved by the contractor prior to the construction.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">James Beaver</a> (503.220.8201, 1101) Submitted On: 18-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			

1982437	Structural	Appendix C - LPV 145	876/881	n/a
Bottom of page - Load Case Combinations should state % Allowable Overstress (not Allowable Stress)				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> "Stress" will be changed to "overstress".  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b>  Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 29-Jul-08			
Current Comment Status: <b>Comment Closed</b>				
1982439	Structural	Appendix C - LPV 145	876/877	n/a
Where is the referenced guideline for the "45 Degree Distribution Per HSDRS"? If load is distributed over a length equal to 5' plus the wall height, why is the total moment on the wall not calculated first and then reduced by the distributed length?				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Check and Resolve</b> See HSDRS Table 5.2 footnote 4 under notes on Boat Impact. The method used is technically correct and was used as input to subsequent spreadsheets.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08			
Current Comment Status: <b>Comment Closed</b>				
1982442	Structural	Appendix C - LPV 145	878	n/a
Calculation for d should include 4" cover to main reinforcement for 24" thick concrete section. $d = 24 - 4 - (1.125/2) = 19.4$ in.				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> This is stated in the calculations, but since these are preliminary calculations, it is not carried Thru (N.C.T.).  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 15-Jul-08			
Current Comment Status: <b>Comment Closed</b>				

1982444	Structural	Appendix C - LPV 145	878	n/a
Under "Check Table D-1 Minimum Effective Depth, dd: Definition of Required Nominal Strength (Mn) should read Mn = Mu/? in inch-kips				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Non-concurred</b> The terminology used is consistent with ACI and the claculation shown. Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b> The calculation has been done correctly (117 k-ft is the correct value). The nomenclature is wrong. the equation sohuld read: "where Mn = Mu/phi in inch-kips" not "where Mn = phi*Mn/phi in inch-kips" Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 14-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1982446	Structural	Appendix C - LPV 145	878	n/a
Under "Check Shear Capacity": For revised d = 19.4", new ?Vn = 25.0 k Section should still be acceptable for preliminary design shear at top of wall.				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Check and Resolve</b> For preliminary design, the wall sizes shown is adequate. Minor modification at the top of wall, such as using smaller size reinforcement (say #6's versus #9's) will be investigated in final design. Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 15-Jul-08			
Current Comment Status: <b>Comment Closed</b>				
1982449	Structural	Appendix C - LPV 145	878/879	n/a
Summary of Results should include description of required reinforcement.				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Non-concurred</b> For the level of design as specified in the project scope of work, the required reinforcement is not necessary. Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08			

Current Comment Status: <b>Comment Closed</b>				
1982457	Structural	Appendix C - LPV 145	904	n/a
Graphical output of wall stresses indicates max stress at 880 psi. Are these Von Mises Stresses? And if so, this would correspond to an unfactored bending moment of 84 k*ft/ft for a 24" wall thickness which is greater than the calculated bending moment of 52.7 used from page 877. If this is a misinterpretation of the graph, please add notation for clarity.				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Check and Resolve</b> The wall bending moment check may be found on sheet 913.			
Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08				
Current Comment Status: <b>Comment Closed</b>				
1982462	Structural	Appendix D - LPV 146	1047/1048/1049/1050/1052	n/a
See similar comments from Appendix C - LPV 145 for the following pages: 1047, 1048, 1049, 1050, and 1052				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> See responses for Appendix C - LPV 145.			
Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 22-Jul-08				
Current Comment Status: <b>Comment Closed</b>				
1982467	Structural	Appendix G - LPV 149	432 to 453	n/a
Minimum 4" cover should be used in all calculations for main reinforcement design.				
Submitted By: <a href="#">John Edens</a> (9045967988). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> This has been dually noted going forward to final design and will not affect the quantity calculations for this report beyond the range of contingencies set forth in our estimate.			
Submitted By: <a href="#">Ryan Stoddard</a> (504-832-4174) Submitted On: 11-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 15-Jul-08				
Current Comment Status: <b>Comment Closed</b>				
1982471	Structural	Appendix G - LPV 149	434/436	n/a

Minimum reinforcement ratio of 200/Fy per ACI not met. (using 4" min. cover will change ratio if reinforcement still works in flexure).

Submitted By: [John Edens](#) (9045967988). Submitted On: 02-Jul-08

1-0	<p><b>Evaluation Concurred</b>            This has been noted. Our cost estimate calculated steel as a percentage of concrete weight and therefore this has no bearing on the EAR analysis of cost or the quantities, but will be applied during subsequent designs.</p> <p>Submitted By: <a href="#">Ryan Stoddard</a> (504-832-4174) Submitted On: 11-Jul-08</p>
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1-1	<p><b>Backcheck Recommendation Close Comment</b>            Closed without comment.</p> <p>Submitted By: <a href="#">John Edens</a> (9045967988) Submitted On: 15-Jul-08</p>
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Current Comment Status: **Comment Closed**

1983804	Civil	Executive Summary	i	n/a
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Reference Figure 1, Showing locations of each reach.

Submitted By: [David Escude](#) (225-292-1004). Submitted On: 02-Jul-08

1-0	<p><b>Evaluation Concurred</b>            Will revise.</p> <p>Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08</p>
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1-1	<p><b>Backcheck Recommendation Close Comment</b>            Closed without comment.</p> <p>Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08</p>
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Current Comment Status: **Comment Closed**

1983848	Civil	Executive Summary	ii	n/a
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-Line 3 of first paragraph- "will be" to "was" -Line 4 of first paragraph- "will be" to "are" -Line 5 of first paragraph- remove "of the EAR" -Lines 1-4 of first paragraph- When Document is FINAL -Bullet "Mod 2:" third line- "EL 26.0" Make reference to datum here- First time presented -Bullet "Mod 4:" lines 8&9 Appendix B of the Mod?

Submitted By: [David Escude](#) (225-292-1004). Submitted On: 02-Jul-08

1-0	<p><b>Evaluation Concurred</b>            wii revise</p> <p>Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08</p>
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1-1	<p><b>Backcheck Recommendation Close Comment</b>            Closed without comment.</p> <p>Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08</p>
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Current Comment Status: **Comment Closed**

1983855	Civil	Executive Summary	vii	n/a
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Recommendation- Should we bold the selected alternative in table for ease of comparison?				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will do  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1983873	Civil	Executive Summary	viii	n/a
-LPV 145, Ramp,Bridge- Where is bridge over T-Wall? -LPV 149 - Alt 2 Mod 4, T-Wall- Some Heading				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will revise, LPV149 needs response from Arcadis. (I assume you mean LPV 147, Ramp, Bridge in your comment)  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1983875	Civil	Purpose And Scope of Study	2	n/a
Paragraph 1- Reference Figure 1 showing locations				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will add.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 16-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1983878	Civil	Description of Alternatives	4	n/a
After 4) , Mention design elevations for 2010 and 2057 conditions here.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				

1-0	Evaluation <b>Non-concurred</b> It is provided in the next section 2.3.6.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983880	Civil	Description of Alternatives	5	n/a
After 4) , Mention design elevations for 2010 and 2057 here.  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Non-concurred</b> It's provided in section 2.3.6.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983881	Civil	Description of Alternatives	6	n/a
Paragraph 2 add "The" in front of "Fronting"  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will revise  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983883	Civil	2.3.6 Hydraulic Information	8	n/a
Clarify how the hydraulic reaches are tied to LPV's Stations SB11/LPV 145 SB12/LPV 145 SB13/LPV 145/146 SB15/LPV 146 SB16/LPV 146/147 SB17/LPV 148  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> We are planning to add an overall site view plate to get hydraulic reaches information on.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b>			

	Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983886	Civil	3.1.4 Design and Construction Schedules	14	n/a
-Change Jan. 3, 2008 to Jan. 2, 2008 -Second paragraph dates do not match schedule.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will change			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983887	Civil	3.2.3.1 Geotechnical Results	20	n/a
First paragraph, Line 6- change "this report section" to "the plates"				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Non-concurred</b> the plates are part of the report, I think it makes sense t to say "at the end of this report"			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b>			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 15-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983889	Civil	3.2.4.2 Civil/Right-of-Way/Relocations/Utilities/Environmental	24	n/a
First table- If we do not need additional row then why do we have this table?				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> We didnt have the existing ROW information from 370+00 to 383+00, so we added that area as a conservative additiona ROW required.			
	Submitted By: <a href="#">Siva Sangameswaran</a> (985-788-5909) Submitted On: 11-Jul-08			

1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983900	Civil	3.2.5.1 Geotechnical Results	26	n/a
Column- Distance of toe from Proposed Levee Centerline- Drawing depict different FS numbers, Shown on plates 3.2.50 and 3.3.51 maybe 621 and 354  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983904	Civil	n/a'	31	n/a
All 3 paragraphs- Why is this included in the Recommended Alternatives section?  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>For Information Only</b> This is the description of existing subsurface information, which is the base of proposed additional subsurface explorations in this section if this alternative is to be selected. Will revise to condense it, though.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
2-0	Evaluation <b>For Information Only</b> This detail was requested from the USACE based on the first EAR submitted.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
	<i>Backcheck not conducted</i>			
	Current Comment Status: <b>Comment Closed</b>			
1983906	Civil	n/a'	32	n/a
top four paragraphs- Geotechnical Summary?  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>For Information Only</b> Similar to the previous comment. It's the discussion of additional subsurface explorations if this alternative			

	is to be selected. Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983907	Civil	n/a'	33	n/a
July 9 does not match schedule- July 16  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> Revisions will be made Submitted By: <a href="#">Siva Sangameswaran</a> (985-788-5909) Submitted On: 17-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983912	Civil	T-Wall Analysis Summary	39	n/a
Reference Stations here for comparison. ? Sta. 708+65.00 to Sta 965+00 965-1008 Sta. 1008 to 1070+82.23 ?  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> Will include. Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment. Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1983913	Civil	T-Wall Analysis Geotechnical Summary	40	n/a
1118+35 Project Plates show ending at Sta. 1115+00  Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will change Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			

Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08				
Current Comment Status: <b>Comment Closed</b>				
1983914	Civil	Summary of the Stability Berm Dimensions	42	n/a
Clarify soils reach/ hydraulic reach on plates				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> an overall site view sheet will be added to reflect soil/hydraulic reaches.			
Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08				
Current Comment Status: <b>Comment Closed</b>				
1983916	Civil	Seepage Analysis Summary	47	n/a
Sta. 1118+35 change to 1115+00				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will change			
Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08				
Current Comment Status: <b>Comment Closed</b>				
1983919	Civil	n/a'	48	n/a
Sec. 3.3.4 Does not match drawings. Drawings contain soil mix alternation. Stability Berms Table -Plates start at 708+65 - 269 to 268, does not match plates 3.3.62 -440/349 does not match plate 3.3.63 *To be consistant- Include table with sheet pile tip elevations.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 02-Jul-08				
1-0	Evaluation <b>Concurred</b> will change			
Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08				
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08				
Current Comment Status: <b>Comment Closed</b>				

1984295	Civil	n/a'	49	n/a
- EL -39 Plate 3.3.62 indicates EL -37 - EL -38 Does not match plate 3.3.64				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> Will revise.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984296	Civil	n/a'	53	n/a
Last two Paragraphs- Provide Heading- Should this be here?				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Check and Resolve</b> Yes, this is the description of previous subsurface explorations, which is the basis for recommended additional testings. Those descriptions can be condensed, though.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
2-0	Evaluation <b>For Information Only</b> The level of detailed is the report was required based on comments from the previous submittal.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1984302	Civil	3.4.2 Highway 46 Ramp (Plates 3.4.1-3.4.3)	58	n/a
Change "3.4.2 Highway 46 Ramp (Plates 3.4.1-3.4.3)" to "3.4.2 Alternative 1 Highway 46 Ramp (Plates 3.4.1-3.4.3)"				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingqian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				

1984310	Civil	3.4.3 Bridge over T-Wall Alternative (3.4.4-3.4.17)	62	n/a
Change "3.4.3 Bridge over T-Wall Alternative (3.4.4-3.4.17)" to "3.4.3 Alternative 2 Bridge over T-Wall (Plates 3.4.4-3.4.17)"				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984321	Civil	3.4.6 Design and Construction Schedules	67	6
Change "May 15, 2008" to "May 15, 2009"				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984329	Civil	T-Wall Analysis Summary	72	n/a
Tie to Stations				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> Will revise.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984339	Civil	2 Tables	76	n/a
Table 1 -Plates start at 1125+00 not 1118+60 -"330" Plate 3.5.23 shows 329 Table 1&2 -"271" Plate 3.5.24 shows 270				

Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingqian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984348	Civil	Soil-Mixing Regions Table	80	n/a
"1118+60" Plate 3.5.25 shows 1125+00				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change  Submitted By: <a href="#">Yingqian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984350	Civil	n/a'	81	n/a
Add Flood side DSM to EL -11.0				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> Will revise.  Submitted By: <a href="#">Lei Wei</a> (2253682821) Submitted On: 11-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984354	Civil	n/a'	84	n/a
First table "300" Plate 3.5.57 shows 380 Consistency- Table with sheetpile tip elevations -40 or -34				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change			

	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984356	Civil	n/a'	90	n/a
Space between tables Alternative 2 and Alternative 3				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will change			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984359	Civil	3.6.1	90	n/a
Plates 3.6.1-3.6.41 to Plates 3.6.1-3.6.9				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Check and Resolve</b> Please specify comment.			
	Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 15-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984482	Civil	All Figures	n/a	n/a
Scales do not measure correctly				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> The plate scales(at least for LPV145, 146, 147 ramp option, and 148) are based on 11x17, not full size, since the final submittal is 11x17 only. Or please state more specifically which plates have the scale problem.			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 17-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			

	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984484	Civil	Figure 1	Figure 1	n/a
Designate Reachs (LPV 144,145,ect.) on figure				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will add.  Submitted By: <a href="#">Therese Koutnik</a> (225-326-3838) Submitted On: 16-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984648	Civil	all Figures	n/a	n/a
Suggest having a key map depicting each reach along with beginning and ending stations for cross referencing.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> an overall site view sheet will be added later  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984654	Civil	n/a'	n/a	n/a
Depict hydraulic reaches within LPV reaches on plates. Scale does not match what is actually measured.(check this)				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> Scale should be correct, at least for LPV 145, 146, 147 ramp,and 148. We are intending to add an over site plan which will have hydraulic reaches depicted.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b> Scales did not match on printed (11x17) version - should check this.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
1-2	Backcheck Recommendation <b>Close Comment</b> Discussed with W Jacobs regarding pdf version of hard copy. OK  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 15-Aug-08			

Current Comment Status: <b>Comment Closed</b>				
1984655	Civil	n/a'	n/a	n/a
Clarify Soil Reaches				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	<b>Evaluation Non-concurred</b> more details please, how do you want us to clarify soil reaches and where. In fact we are preparing a detailed table to list each soil reach/hydraulic reach/LPV reach's limits information, will this table make things cleared up?  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 17-Jul-08			
1-1	<b>Backcheck Recommendation Open Comment</b> Table should clarify  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
1-2	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 15-Aug-08			
2-0	<b>Evaluation Concurred</b> A table has been inserted to the report which list soil reach/hydraulic reach/station limits for each LPV.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 15-Aug-08			
<i>Backcheck not conducted</i>				
Current Comment Status: <b>Comment Closed</b>				
1984658	Civil	All Plates	n/a	n/a
Depict R/W and construction distances or show typical section sheet.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	<b>Evaluation Concurred</b> Will show existing ROW and proposed ROW on the typical sections.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 05-Aug-08			
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
Current Comment Status: <b>Comment Closed</b>				
1984664	Civil	Plate 3.2.4	n/a	n/a
Show station of elevation change in T-Wall height from 32.0 to 27.5.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	<b>Evaluation Concurred</b> will do.			

	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984665	Civil	Plate 3.2.9	n/a	n/a
Is unnamed stell pile considered HP14x89 with tip elevation=f?				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> Yes. will change.			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984670	Civil	Plates 3.2.9-3.2.10	n/a	n/a
Cannot show exact distances for levee toe due to elevation differences on ground not being exact.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> the design will be further refined in the next phase of the project			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984675	Civil	Plates 3.2.12	n/a	n/a
<b>[This item is flagged as a critical issue.]</b>				
Reference plate where typical section can be found Lable earthen levee on all applicable reaches.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> more details please			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Open Comment</b> All of the other alternatives lable the type of alternative on the bottom right corner. Reference the sheet where the typical section could be found (See Plate 3.2.20 for typical section).			

	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
2-0	Evaluation <b>Concurred</b> will do.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 15-Aug-08			
	<i>Backcheck not conducted</i>			
	Current Comment Status: <b>Comment Open</b>			
1984676	Civil	Plates 3.2.14	n/a	n/a
Depict station for levee elevation change.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will do  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984682	Civil	Plates 3.2.15, 3.2.25, 3.2.26, 3.2.33, 3.2.34, 3.2.44, 3.2.45	n/a	n/a
Depict station for levee elevation change.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> will do  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984690	Civil	Plates 3.2.20, 3.2.21, 3.2.22, 3.2.39, 3.2.40, 3.2.41, 3.2.50, 3.2.51, 3.2.52	n/a	n/a
-Show levee slope tie in into existing ground and not exact elevation. -Show limits of construction				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> the design will be further refined in the next phase of the project  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b>			

	Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984699	Civil	n/a'	n/a	n/a
No details or typical section sheets for LPV 146 Alternative 3 Earthen Levees with Deep Soil Mixing and Landslide Shift.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> we have the typical section included, plate number is from 3.3.49 to 3.3.51.			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984702	Civil	n/a'	n/a	n/a
General Plate Note- Place T-Wall detail with all LPV's or have a general location for standard typical sectiond.				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Non-concurred</b> design will be further refined in the next phase of the project			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984704	Civil	n/a'	n/a	n/a
LPV 148 Plates- Need overal view sheet				
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08				
1-0	Evaluation <b>Concurred</b> we are planning to add an overall view sheet.			
	Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08			
1-1	Backcheck Recommendation <b>Close Comment</b> Closed without comment.			
	Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08			
	Current Comment Status: <b>Comment Closed</b>			
1984708	Civil	n/a'	n/a	n/a

LPV 148- For consistency, use match lines.	
Submitted By: <a href="#">David Escude</a> (225-292-1004). Submitted On: 03-Jul-08	
1-0	<b>Evaluation Non-concurred</b> We are using match lines. Or please specify which plates are not looking correct.  Submitted By: <a href="#">Yingjian Han</a> (2253682830) Submitted On: 10-Jul-08
1-1	<b>Backcheck Recommendation Close Comment</b> Closed without comment.  Submitted By: <a href="#">David Escude</a> (225-292-1004) Submitted On: 13-Aug-08
Current Comment Status: <b>Comment Closed</b>	

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