

May 31, 2006  
 Attn.: Mr. Hugo E. Bermudez, P.E.  
 RETL Job No.: G106337

**PROPOSED SAN LUIS PASS PROJECT**  
 West Galveston Bay  
 Freeport, Texas

|                   | <b>BORING B-5</b> |                |                |                 | <b>BORING B-6</b> |                |                |                 |
|-------------------|-------------------|----------------|----------------|-----------------|-------------------|----------------|----------------|-----------------|
| <b>SIEVE SIZE</b> | <b>0-2.5'</b>     | <b>2.5'-5'</b> | <b>5'-7.5'</b> | <b>7.5'-10'</b> | <b>0-2.5'</b>     | <b>2.5'-5'</b> | <b>5'-7.5'</b> | <b>7.5'-10'</b> |
| #10               | 100               | 100            | 100            | 100             | 100               | 100            | 100            | 100             |
| #20               | 99                | 100            | 100            | 100             | 100               | 100            | 100            | 100             |
| #40               | 98                | 100            | 100            | 100             | 100               | 100            | 100            | 99              |
| #60               | 98                | 99             | 100            | 99              | 99                | 99             | 99             | 98              |
| #70               | 97                | 98             | 99             | 98              | 98                | 98             | 98             | 97              |
| #80               | 96                | 95             | 97             | 95              | 94                | 95             | 95             | 91              |
| #100              | 73                | 76             | 80             | 74              | 58                | 74             | 55             | 49              |
| #120              | 33                | 42             | 39             | 40              | 22                | 35             | 23             | 26              |
| #140              | 12                | 21             | 15             | 18              | 9                 | 16             | 9              | 15              |
| #200              | 2.4               | 7.2            | 3.5            | 5.5             | 1.6               | 5.5            | 3.5            | 8.4             |
| #230              | 1.9               | 5.8            | 3.4            | 4.5             | 1.3               | 5.5            | 3.1            | 7.4             |
| Color             | 2.5Y 6/2          | 2.5Y 4/1       | 2.5Y 5/2       | 2.5Y 5/2        | 2.5Y 5/1          | 2.5Y 5/1       | 2.5Y 5/1       | 2.5Y 5/1        |
| Description       | Lt Brown Gray     | Dark Gray      | Gray Brown     | Gray Brown      | Gray              | Gray           | Gray           | Gray            |

|                   | <b>BORING B-7</b> |                |                |                 |                  |                  |
|-------------------|-------------------|----------------|----------------|-----------------|------------------|------------------|
| <b>SIEVE SIZE</b> | <b>0-2.5'</b>     | <b>2.5'-5'</b> | <b>5'-7.5'</b> | <b>7.5'-10'</b> | <b>10'-12.5'</b> | <b>12.5'-15'</b> |
| #10               | 100               | 100            | 100            | 99              | 100              | 100              |
| #20               | 100               | 100            | 99             | 99              | 100              | 100              |
| #40               | 100               | 100            | 99             | 98              | 100              | 100              |
| #60               | 99                | 100            | 98             | 97              | 99               | 99               |
| #70               | 99                | 100            | 97             | 94              | 99               | 99               |
| #80               | 97                | 99             | 92             | 88              | 96               | 98               |
| #100              | 44                | 87             | 47             | 55              | 79               | 82               |
| #120              | 17                | 42             | 20             | 25              | 40               | 39               |
| #140              | 7                 | 15             | 8              | 9               | 17               | 16               |
| #200              | 2.0               | 4.1            | 2.7            | 2.4             | 4.3              | 5.3              |
| #230              | 1.8               | 3.6            | 2.5            | 2.1             | 1.3              | 4.7              |
| Color             | 2.5Y 5/2          | 2.5Y 5/1       | 2.5Y 5/1       | 2.5Y 6/2        | 2.5Y 6/2         | 2.5Y 5/2         |
| Description       | Gray Brown        | Gray Brown     | Gray           | Lt. Brown Gray  | Lt. Brown Gray   | Gray Brown       |

SHEET 1 of 1

SHEET 1 of 1

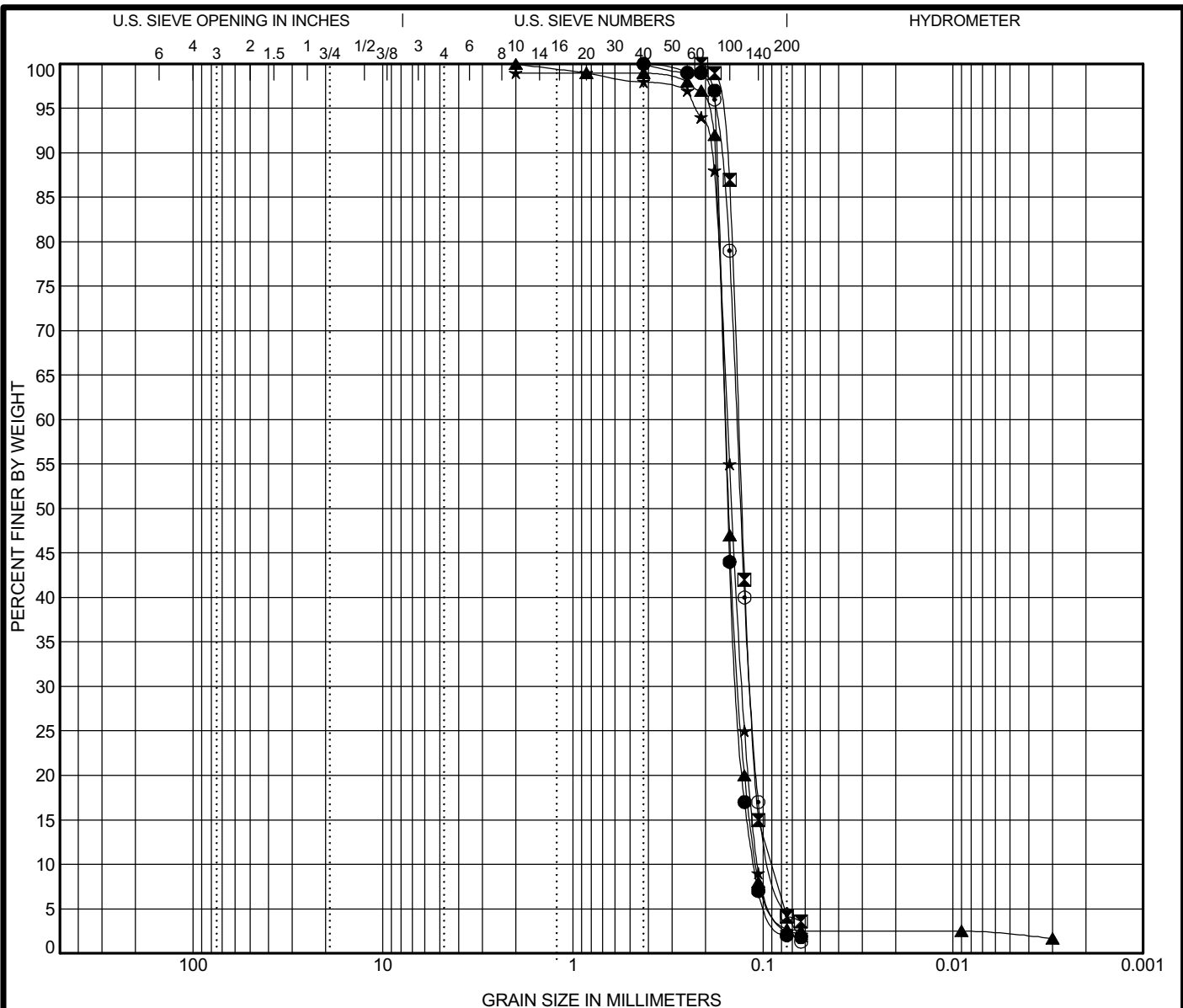


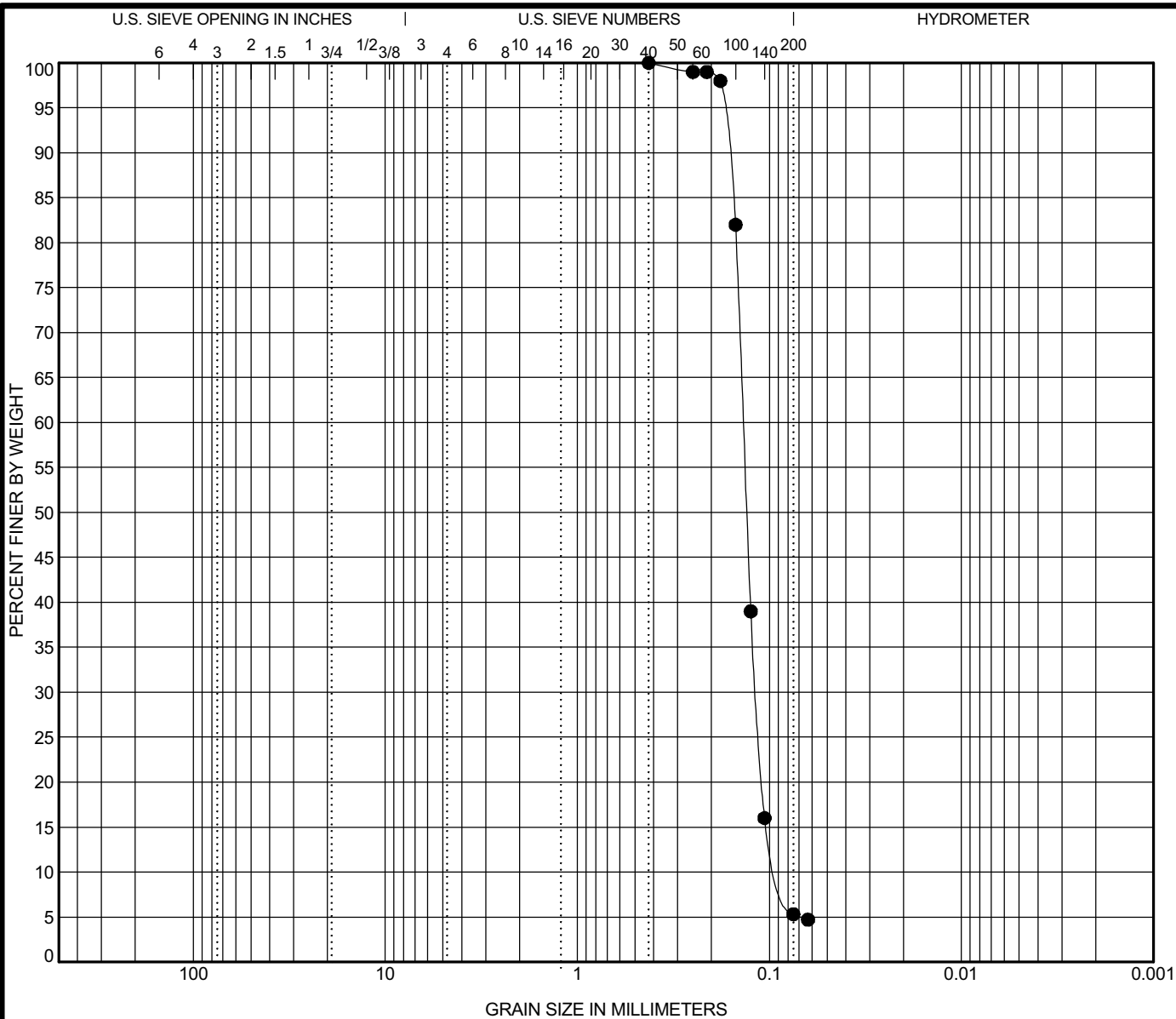
Rock Engineering and Testing Laboratory, Inc.  
4910 Neptune Street  
Corpus Christi, Texas 78405  
Telephone: (361) 883-4555  
Fax: (361) 883-4711

|           |                                    |
|-----------|------------------------------------|
| CLIENT:   | Coast and Harbor Engineering, Inc. |
| PROJECT:  | Proposed San Luis Pass Project     |
| LOCATION: | W. Galveston Bay; Freeport, Texas  |
| NUMBER:   | G106337                            |

DATE(S) DRILLED: 5/18/06 - 5/18/06

|                                                                                                                     | FIELD DATA |               |         |                                                                                                | LABORATORY DATA      |                  |               |                  |                             |                                         |                         | DRILLING METHOD(S):<br>Disturbed Samples                                           |                                                           |
|---------------------------------------------------------------------------------------------------------------------|------------|---------------|---------|------------------------------------------------------------------------------------------------|----------------------|------------------|---------------|------------------|-----------------------------|-----------------------------------------|-------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|
| SOIL SYMBOL                                                                                                         | DEPTH (FT) | SAMPLE NUMBER | SAMPLES | N: BLOWS/FT<br>P: TONS/SQ FT<br>T: TONS/SQ FT<br>PERCENT RECOVERY/<br>ROCK QUALITY DESIGNATION | MOISTURE CONTENT (%) | ATTERBERG LIMITS |               |                  | DRY DENSITY<br>POUNDS/CU.FT | COMPRESSIVE<br>STRENGTH<br>(TONS/SQ.FT) | MINUS NO. 200 SIEVE (%) | GROUNDWATER INFORMATION:<br>N/A                                                    |                                                           |
|                                                                                                                     |            |               |         |                                                                                                |                      | LIQUID LIMIT     | PLASTIC LIMIT | PLASTICITY INDEX |                             |                                         |                         | SURFACE ELEVATION: N/A                                                             |                                                           |
|                                                                                                                     |            |               |         |                                                                                                |                      | LL               | PL            | PI               |                             |                                         |                         | DESCRIPTION OF STRATUM                                                             |                                                           |
|                                    | 1          | S-1           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | <u><b>WATER DEPTH= 2-FEET</b></u>                                                  |                                                           |
|                                                                                                                     | 2          |               |         |                                                                                                |                      |                  |               |                  |                             |                                         | 2                       | <u><b>POORLY GRADED SAND</b></u> 2.5Y 5/2 gray brown.                              |                                                           |
|                                                                                                                     | 3          | S-2           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | Same as above, 2.5Y 5/1 gray brown.                                                |                                                           |
|                                                                                                                     | 4          |               |         |                                                                                                |                      |                  |               |                  |                             | 4                                       |                         |                                                                                    |                                                           |
|                                                                                                                     | 5          | S-3           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | Same as above, 2.5Y 5/1 gray.                                                      |                                                           |
|                                                                                                                     | 6          |               |         |                                                                                                |                      |                  |               |                  |                             |                                         | 3                       |                                                                                    |                                                           |
|                                                                                                                     | 7          |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | <u><b>POORLY GRADED SAND</b></u> 2.5Y 6/2 light brown gray.                        |                                                           |
|                                                                                                                     | 8          | S-4           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | 2                                                                                  |                                                           |
|                                                                                                                     | 9          |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | Same as above, 2.5Y 6/2 light brown gray.                                          |                                                           |
|                                                                                                                     | 10         | S-5           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | 4                                                                                  |                                                           |
|                                                                                                                     | 11         |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         |                                                                                    |                                                           |
|                                                                                                                     | 12         | S-6           |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         |                                                                                    | Same as above, 2.5Y 5/2 gray brown.                       |
|                                                                                                                     | 13         |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | 5                                                                                  |                                                           |
|                                                                                                                     | 14         |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         |                                                                                    |                                                           |
|                                                                                                                     | 15         |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         |                                                                                    | Boring terminated at a depth of 15' below the bay bottom. |
| N - STANDARD PENETRATION TEST RESISTANCE<br>P - POCKET PENETROMETER RESISTANCE<br>T - POCKET TORVANE SHEAR STRENGTH |            |               |         |                                                                                                |                      |                  |               |                  |                             |                                         |                         | REMARKS:<br>Soil Sampling perfomred by RETL at N29 deg 05' 34.3" W95 deg 07' 47.6" |                                                           |





| COBBLES | GRAVEL |      | SAND   |        |      | SILT OR CLAY |
|---------|--------|------|--------|--------|------|--------------|
|         | coarse | fine | coarse | medium | fine |              |

| Specimen Identification | Classification |  |  |  |  | LL | PL | PI | Cc   | Cu   |
|-------------------------|----------------|--|--|--|--|----|----|----|------|------|
| ● B-7 12.5              |                |  |  |  |  |    |    |    | 1.15 | 1.57 |
|                         |                |  |  |  |  |    |    |    |      |      |
|                         |                |  |  |  |  |    |    |    |      |      |
|                         |                |  |  |  |  |    |    |    |      |      |

| Specimen Identification | D100  | D60   | D30   | D10   | %Gravel | %Sand | %Silt | %Clay |
|-------------------------|-------|-------|-------|-------|---------|-------|-------|-------|
| ● B-7 12.5              | 0.425 | 0.137 | 0.117 | 0.087 | 0.0     | 94.7  | 5.3   |       |
|                         |       |       |       |       |         |       |       |       |
|                         |       |       |       |       |         |       |       |       |
|                         |       |       |       |       |         |       |       |       |



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**GRAIN SIZE DISTRIBUTION**  
 Project: Proposed San Luis Pass Project  
 Location: W. Galveston Bay, Freeport, Texas  
 Number: G106337

US GRAIN SIZE G106337.GPJ US LAB.GDT 5/31/06