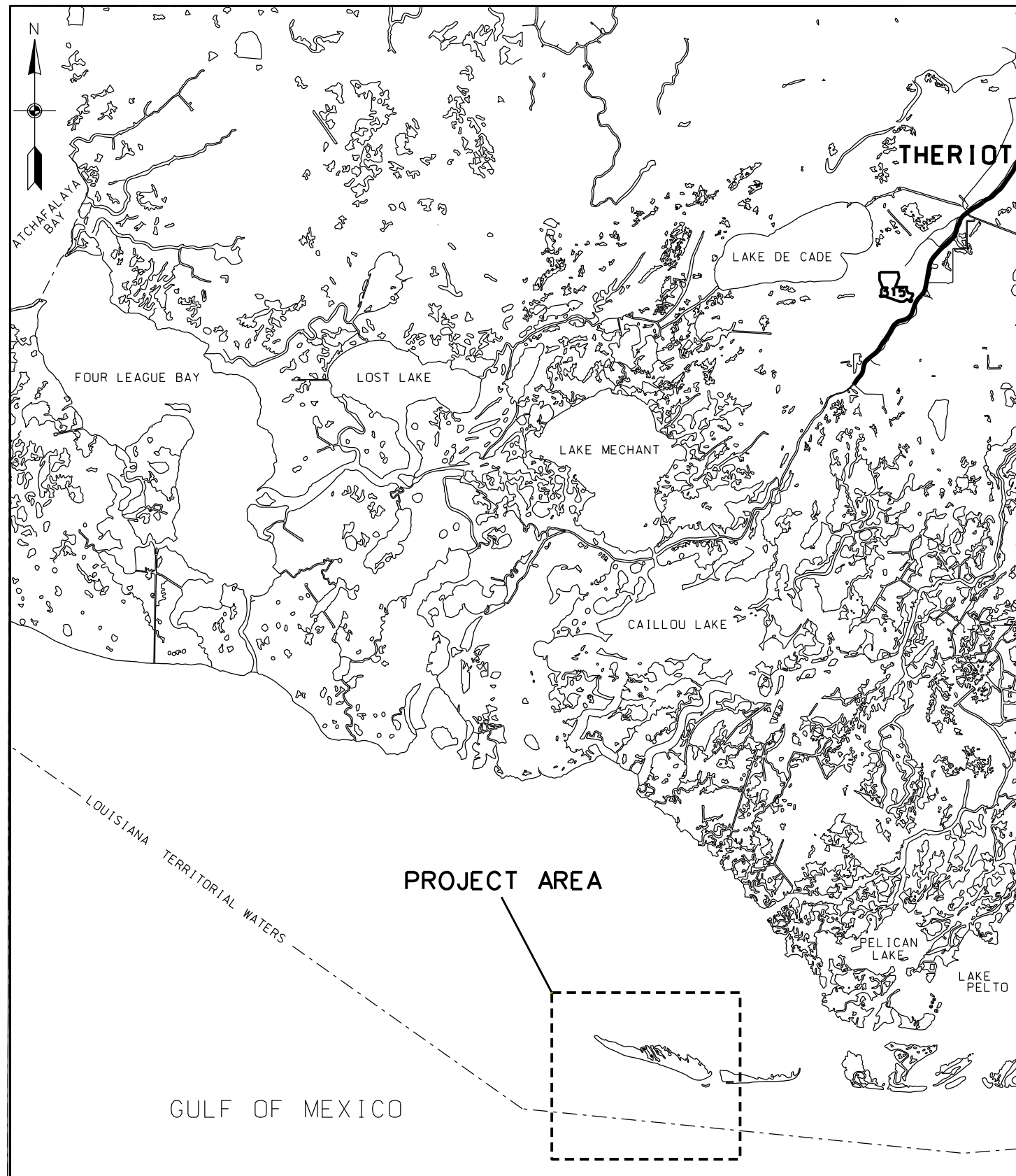
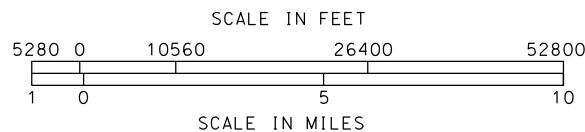




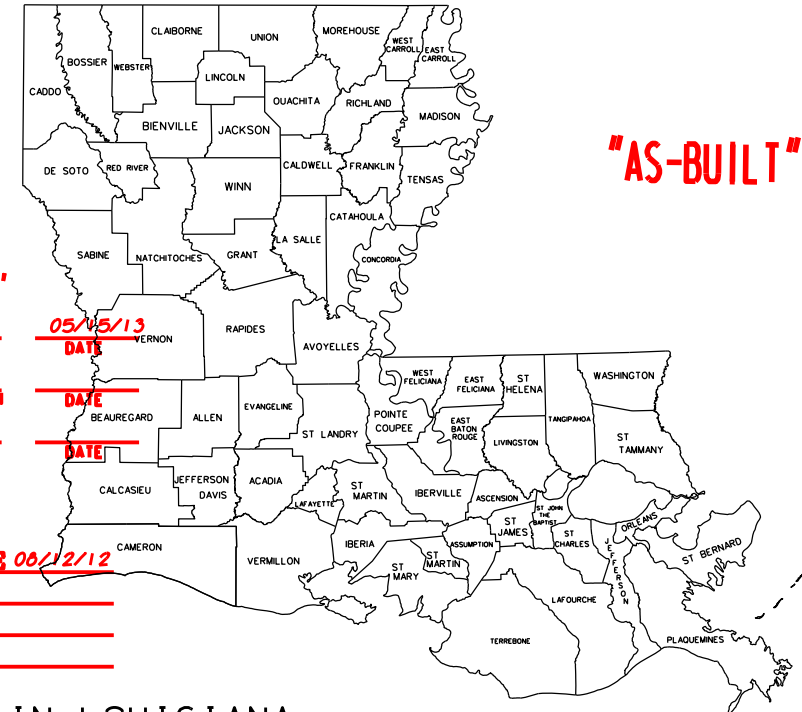
VICINITY MAP



RACCOON ISLAND  
SHORE PROTECTION/MARSH CREATION PROJECT  
PHASE B  
(TE-48)

BUILT UNDER COASTAL WETLANDS PLANNING, PROTECTION,  
AND RESTORATION ACT OF PUBLIC LAW 101-646  
BY THE  
NATURAL RESOURCES CONSERVATION SERVICE  
OF THE  
UNITED STATES DEPARTMENT OF AGRICULTURE

WITH THE ASSISTANCE OF THE  
LOUISIANA COASTAL PROTECTION AND RESTORATION AUTHORITY  
2012



"AS-BUILT PLANS"

SUBMITTED BY: MELVIN RODRIGUE  
GOVERNMENT REPRESENTATIVE

05/05/13  
DATE

APPROVED BY: ASSISTANT STATE CONSERVATION  
ENGINEER  
MARI GILFORD  
STATE CONSERVATION ENGINEER

DATE  
DATE

A6-7217-G-12-0013

CONTRACT NO. DATE 08/12/12

CONTRACTOR WEEKS MARINE

INSPECTOR GRAIG TAYLOR

DATE OF COMPLETION 01/27/13

LOCATION IN LOUISIANA  
(RACCOON ISLAND)

INDEX OF DRAWINGS

- 1 COVER SHEET - VICINITY MAP
- 2 SITE LOCATION MAP
- 3 STAFF GAUGE LOCATIONS
- 4 TOPO MAP - EAST SIDE
- 5 TOPO MAP - WEST SIDE
- 6 BORROW AREA - LOCATION MAP
- 7 CULTURAL RESOURCES - LOCATION MAP
- 8 DETAIL - DISCHARGE PIPE @ PIPELINE
- 9 BORROW AREA - PLAN VIEW
- 10 BORROW AREA - SURVEY LINES

- 11 SOIL BORING LOGS - C1 THRU C3
- 12 SOIL BORING LOGS - C4 THRU C6
- 13 BORROW AREA - PROFILE & SECTIONS
- 14 TYPICAL - CONTAINMENT DIKE LAYOUT
- 15 TYPICAL - STAFF GAUGE DETAIL
- 16  $\phi$  CONTAINMENT DIKE - PROFILE
- 17  $\phi$  CONTAINMENT DIKE - PROFILE
- 18 SECTIONS - DREDGE FILL
- 19 SECTIONS - DREDGE FILL
- 20 SOIL BORING LOGS - B1 THRU B4
- 21 SOIL BORING LOGS - B5 THRU B7



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |

COVER SHEET - VICINITY MAP  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



FILE NAME  
LA350  
DRAWING NAME  
LA350001.DGN  
SHEET 1 OF 21

| DATE | J. PELTO | D.J. WILMORE | D. GILLEN | B. PAUL |
|------|----------|--------------|-----------|---------|
| 1/12 |          |              |           |         |
| 1/12 |          |              |           |         |
| 1/12 |          |              |           |         |
| 1/12 |          |              |           |         |



202500

202000



TBM TE48-SM-01  
X = 3,408,702.09  
Y = 201,740.57  
Z = 2.46

11-09.11  
PI-41+71

NOTE:  
LOCATION OF DISCHARGE CONTROL STRUCTURES TO BE  
DETERMINED BY THE CONTRACTOR AS APPROVED BY THE COR.

CAILLOU BAY

LEGEND

⊗ B-1 - SOIL BORING LOCATION

NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES.

CONTAINMENT AREA - APPROX. 58 ACS.

"AS-BUILT"

CONTAINMENT DIKE CREST

APPROXIMATE  
TOE OF CONTAINMENT DIKE

DREDGE FILL

RACCOON  
ISLAND

PI COORDINATES  
DIKE STAKEOUT

| STA.  | NORTHING  | EASTING    |
|-------|-----------|------------|
| 0+00  | 200654.88 | 3412971.99 |
| 41+71 | 201911.79 | 3408994.42 |
| 44+53 | 201709.58 | 3408798.19 |
| 48+45 | 201476.75 | 3409112.69 |
| 51+66 | 201318.33 | 3409392.17 |
| 53+95 | 201226.04 | 3409601.60 |
| 55+24 | 201252.68 | 3409728.13 |
| 56+24 | 201178.09 | 3409795.19 |
| 58+91 | 200994.70 | 3409989.35 |
| 60+05 | 200925.01 | 3410079.51 |
| 62+42 | 200821.90 | 3410292.80 |
| 63+43 | 200767.75 | 3410377.49 |
| 65+38 | 200694.69 | 3410558.21 |
| 68+30 | 200841.05 | 3410810.90 |
| 68+91 | 200838.30 | 3410872.18 |
| 71+34 | 200619.39 | 3410977.74 |
| 72+60 | 200560.77 | 3411089.73 |
| 73+57 | 200578.50 | 3411184.47 |
| 75+91 | 200517.10 | 3411410.36 |
| 76+96 | 200457.79 | 3411496.54 |
| 77+47 | 200406.89 | 3411507.08 |
| 78+23 | 200364.10 | 3411569.43 |
| 81+80 | 200251.89 | 3411908.21 |
| 85+60 | 200298.52 | 3412284.86 |
| 86+96 | 200231.27 | 3412404.05 |
| 88+87 | 200120.46 | 3412558.99 |
| 90+02 | 200071.55 | 3412662.90 |
| 91+45 | 200073.38 | 3412805.93 |
| 92+10 | 200122.29 | 3412848.71 |
| 95+49 | 200435.47 | 3412980.14 |
| 97+69 | 200654.88 | 3412971.99 |

MODIFICATION #1 -  
DIKE ALIGNMENT CHANGE

NOTES:

NO CONSTRUCTION ACTIVITIES ON RACCOON ISLAND SHALL BE PERFORMED BETWEEN MARCH 1 AND AUGUST 31.

CONTAINMENT DIKE SHALL HAVE A MINIMUM ELEVATION OF +4.5 FT AND SHALL HAVE A 10 FT. TOP WIDTH. THE SIDE SLOPES SHALL BE A MINIMUM OF 5:1. THESE DIKE PARAMETERS ARE GIVEN AS MINIMUM REQUIREMENTS AND ARE NOT TO BE INTERPRETED AS GOVERNMENT DESIGNED. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, BUILDING AND MAINTAINING THE DIKES INCLUDING COVERING OR PROTECTING THE DIKE TO SAFELY RETAIN THE DREDGED MATERIAL. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE STABILITY OF ANY DIKE THAT THE CONTRACTOR PLACES/PLACED DREDGED MATERIAL BEHIND.

SEE SHEET 14M1 FOR CONTAINMENT DIKE LAYOUTS.

A MINIMUM OF 30 FEET OF CLEARANCE SHALL BE MAINTAINED AROUND THE TBM TE-48-SM-01. DURING CONSTRUCTION OF THE CONTAINMENT DIKES BETWEEN STA. 41+71 AND STA. 48+45, ALL EQUIPMENT AND MATERIALS INCLUDING EARTHFILL SHALL MAINTAIN A DISTANCE OF AT LEAST 30 FEET FROM THE TBM TE-48-SM-01.

HORIZONTAL DATUM - LA. STATE PLANE SOUTH, NAD83, U.S. FEET  
VERTICAL DATUM - NAVD88  
GEOID99

SITE MAP



IMAGE DATE - 2009

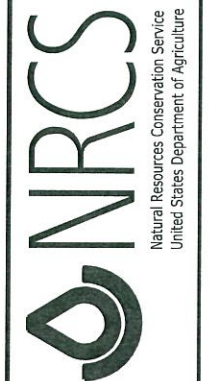


AMENDMENT 2 -  
DIKE DIMENSIONS CHANGE

NOTE:  
FINAL LOCATION OF PI'S MAY BE ADJUSTED IN  
THE FIELD PRIOR TO CONSTRUCTION BY THE COR.

| DATE     | 10/12        |
|----------|--------------|
| DESIGNED | J. PELTO     |
| DRAWN    | D.J. WILMORE |
| CHECKED  | D. GILLEN    |
| APPROVED | M. GILFORD   |

SITE LOCATION MAP  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



FILE NAME  
LA350  
DRAWING NAME  
LA350002M1.DGN

| REVISIONS |          |          |       |
|-----------|----------|----------|-------|
| NO.       | DATE     | APPROVED | TITLE |
| A2        | 7/2/2012 | J.P.     | D.E.  |
| M1        | 10/29/12 | J.P.     | D.E.  |



202500

202500

202000

202000

201000

201000

3409000

3409000

200000

200000

3410000

199000

3411000

3412000

3413000

3414000

TBM TE48-SM-01  
X = 3,408,702.09  
Y = 201,740.57  
Z = 2.46

PI 41+71

PI 44+53

PI 48+45

PI 51+66

PI 55+24

PI 56+24

PI 53+95

PI 58+91

PI 60+05

PI 63+43

PI 65+38

PI 71+34

PI 72+60

PI 73+57

PI 75+91

PI 76+96

PI 78+23

PI 81+80

PI 85+60

PI 86+96

PI 88+87

PI 90+02

PI 91+45

PI 97+69

PI 95+49

PI 92+10

PI 0+00

PI 95+49

N200928+68  
E3413878+89  
N200662.06  
E3413659.64

NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES

## STAFF GAUGE COORDINATES

|    |   |        |   |         |
|----|---|--------|---|---------|
| 1  | N | 201730 | E | 3408986 |
| 2  | N | 201651 | E | 3409194 |
| 3  | N | 201576 | E | 3409433 |
| 4  | N | 201501 | E | 3409671 |
| 5  | N | 201426 | E | 3409910 |
| 6  | N | 201352 | E | 3410148 |
| 7  | N | 201277 | E | 3410387 |
| 8  | N | 201202 | E | 3410625 |
| 9  | N | 201127 | E | 3410864 |
| 10 | N | 201052 | E | 3411102 |
| 11 | N | 200977 | E | 3411341 |
| 12 | N | 200902 | E | 3411579 |
| 13 | N | 200827 | E | 3411818 |
| 14 | N | 200753 | E | 3412056 |
| 15 | N | 200678 | E | 3412295 |
| 16 | N | 200603 | E | 3412533 |
| 17 | N | 200528 | E | 3412772 |
| 18 | N | 201113 | E | 3410073 |
| 19 | N | 201038 | E | 3410312 |
| 20 | N | 200963 | E | 3410550 |
| 21 | N | 200814 | E | 3411027 |
| 22 | N | 200742 | E | 3411267 |
| 23 | N | 200664 | E | 3411504 |
| 24 | N | 200589 | E | 3411743 |
| 25 | N | 200514 | E | 3411981 |
| 26 | N | 200439 | E | 3412220 |
| 27 | N | 200364 | E | 3412459 |
| 28 | N | 200289 | E | 3412697 |

HORIZONTAL DATUM - LA. STATE PLANE SOUTH, NAD83, U.S. FEET  
VERTICAL DATUM - NAVD88  
GEOID99

IMAGE DATE - 2009

## STAFF GAUGE MAP

200 0 200 400 600 800  
SCALE IN FEET

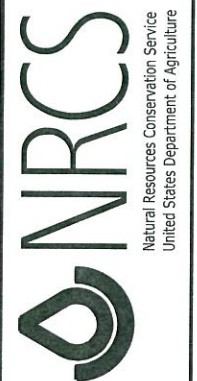
AMENDMENT 2 -  
DIKE DIMENSIONS CHANGE

MODIFICATION #1 -  
DIKE ALIGNMENT CHANGE



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
| A2        | 7/27/2012 | J.P.     | D.E.  |
| M1        | 10/29/12  | J.P.     | D.E.  |

STAFF GAUGE LOCATIONS  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



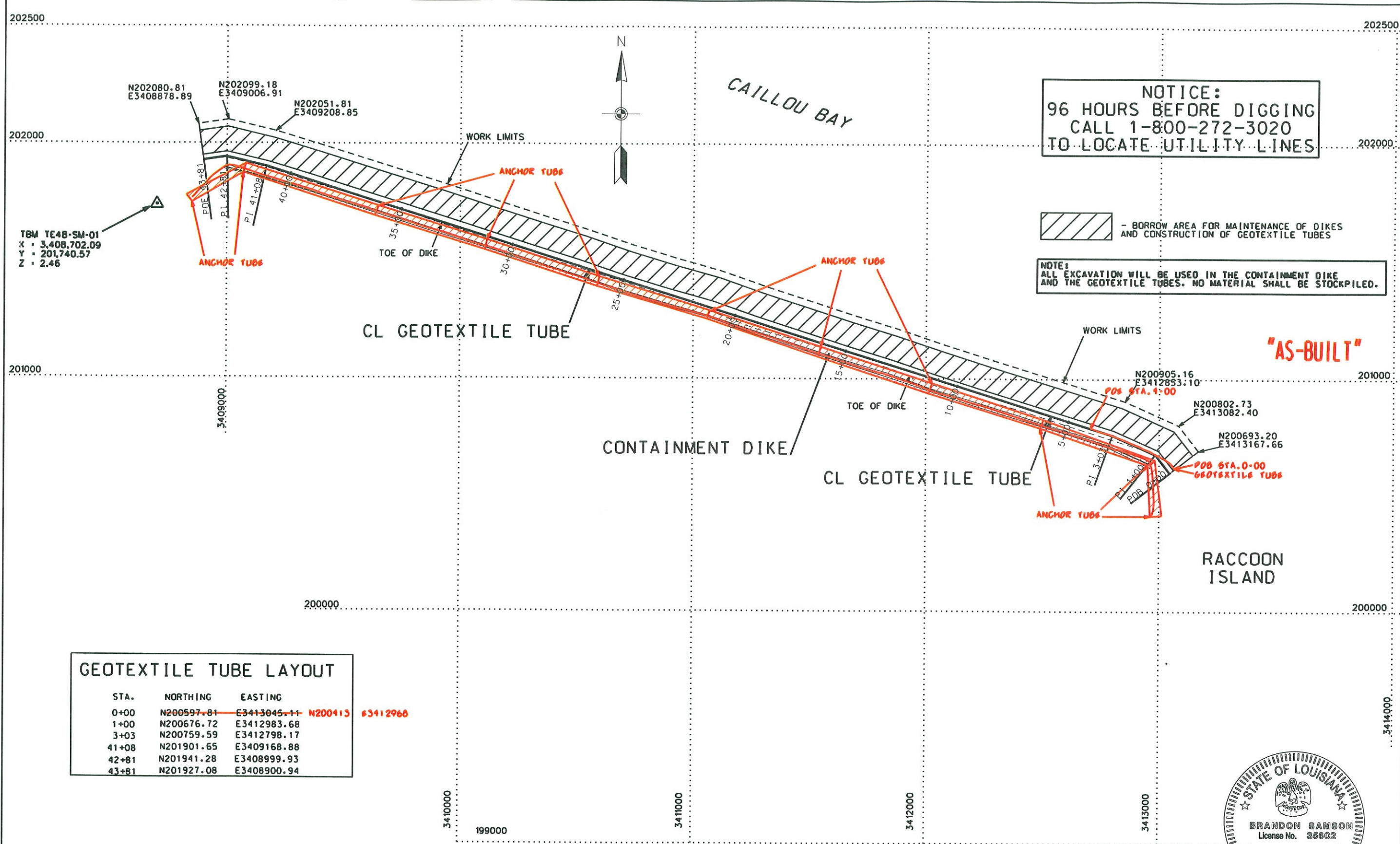
FILE NAME  
LA350

DRAWING NAME  
LA350003M1.DGN

SHEET 3M1 OF 21

| DESIGNED | DRAWN        | CHECKED   | APPROVED   |
|----------|--------------|-----------|------------|
| J. PELTO | D.J. WILMORE | D. GILLEN | M. GILFORD |
| DATE     | 10/12        | 10/12     | 10/12      |





NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES

NOTE:  
ALL EXCAVATION WILL BE USED IN THE CONTAINMENT DIKE  
AND THE GEOTEXTILE TUBES. NO MATERIAL SHALL BE STOCKPILED.

"AS-BUILT"

| GEOTEXTILE TUBE LAYOUT |            |             |         |          |
|------------------------|------------|-------------|---------|----------|
| STA.                   | NORTHING   | EASTING     |         |          |
| 0+00                   | N200597.81 | E3413045.11 | N200413 | E3412966 |
| 1+00                   | N200676.72 | E3412983.68 |         |          |
| 3+03                   | N200759.59 | E3412798.17 |         |          |
| 41+08                  | N201901.65 | E3409168.88 |         |          |
| 42+81                  | N201941.28 | E3408999.93 |         |          |
| 43+81                  | N201927.08 | E3408900.94 |         |          |

HORIZONTAL DATUM - LA. STATE PLANE SOUTH, NAD83, U.S. FEET  
VERTICAL DATUM - NAVD88  
GEO1099

LAYOUT - GEOTEXTILE TUBES

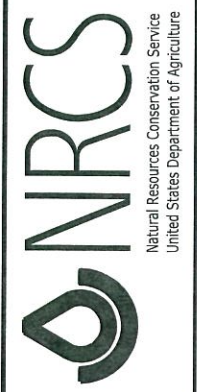


IMAGE DATE - 2009



LAYOUT - GEOTEXTILE TUBES  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

| DATE  | DESIGNED  | DRAWN        | CHECKED  | APPROVED   |
|-------|-----------|--------------|----------|------------|
| 02/13 | B. SAMSON | D.J. WILMORE | J. PELTO | M. GILFORD |



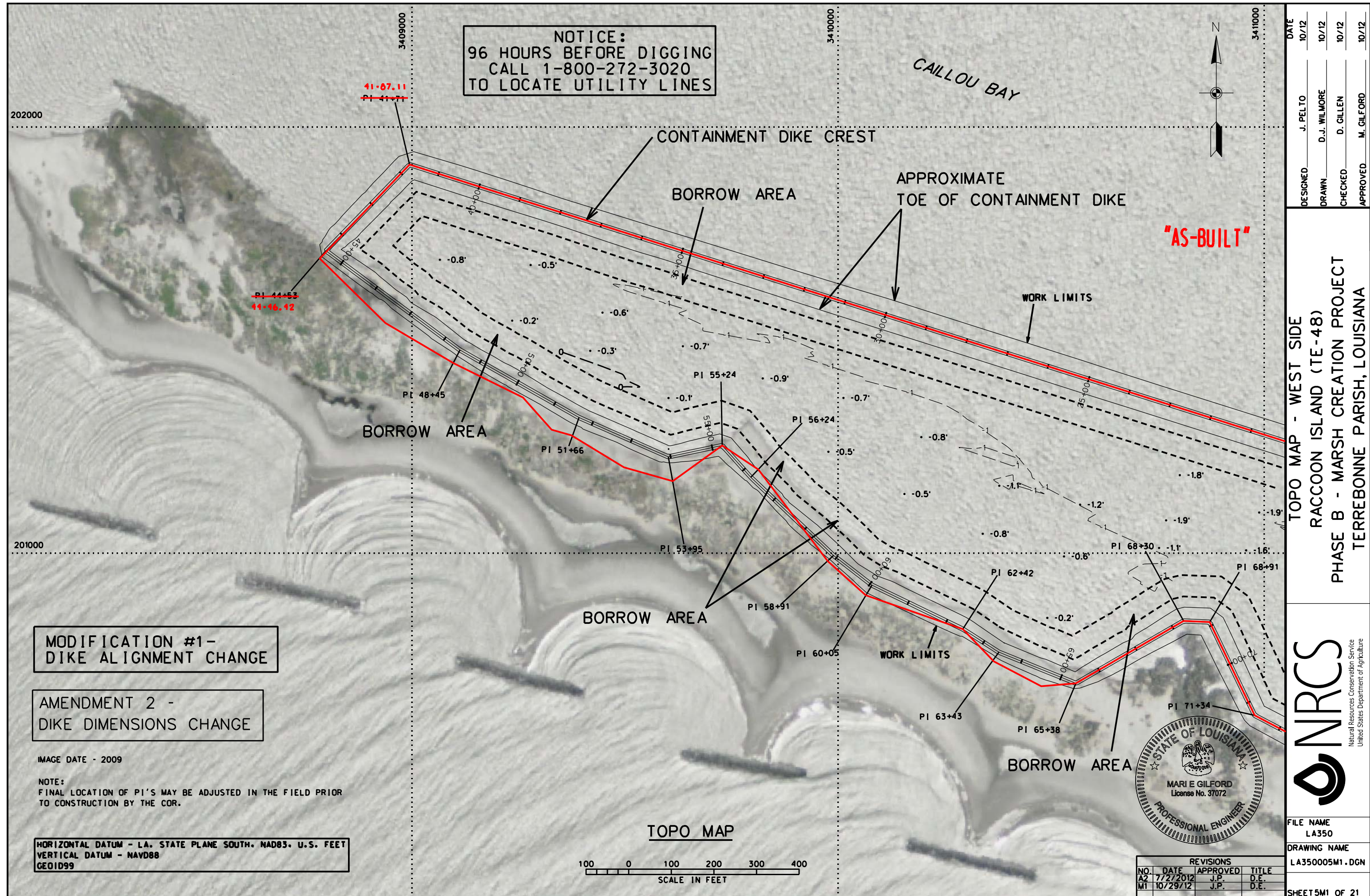
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| FILE NAME    | LA350           |
| DRAWING NAME | LA350003AM2.DGN |
| SHEET        | 3AM2 OF 21      |

| REVISIONS |          |          |       |
|-----------|----------|----------|-------|
| NO.       | DATE     | APPROVED | TITLE |
| M2        | 02/07/13 | B.S.     | D.E.  |

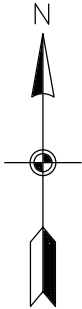
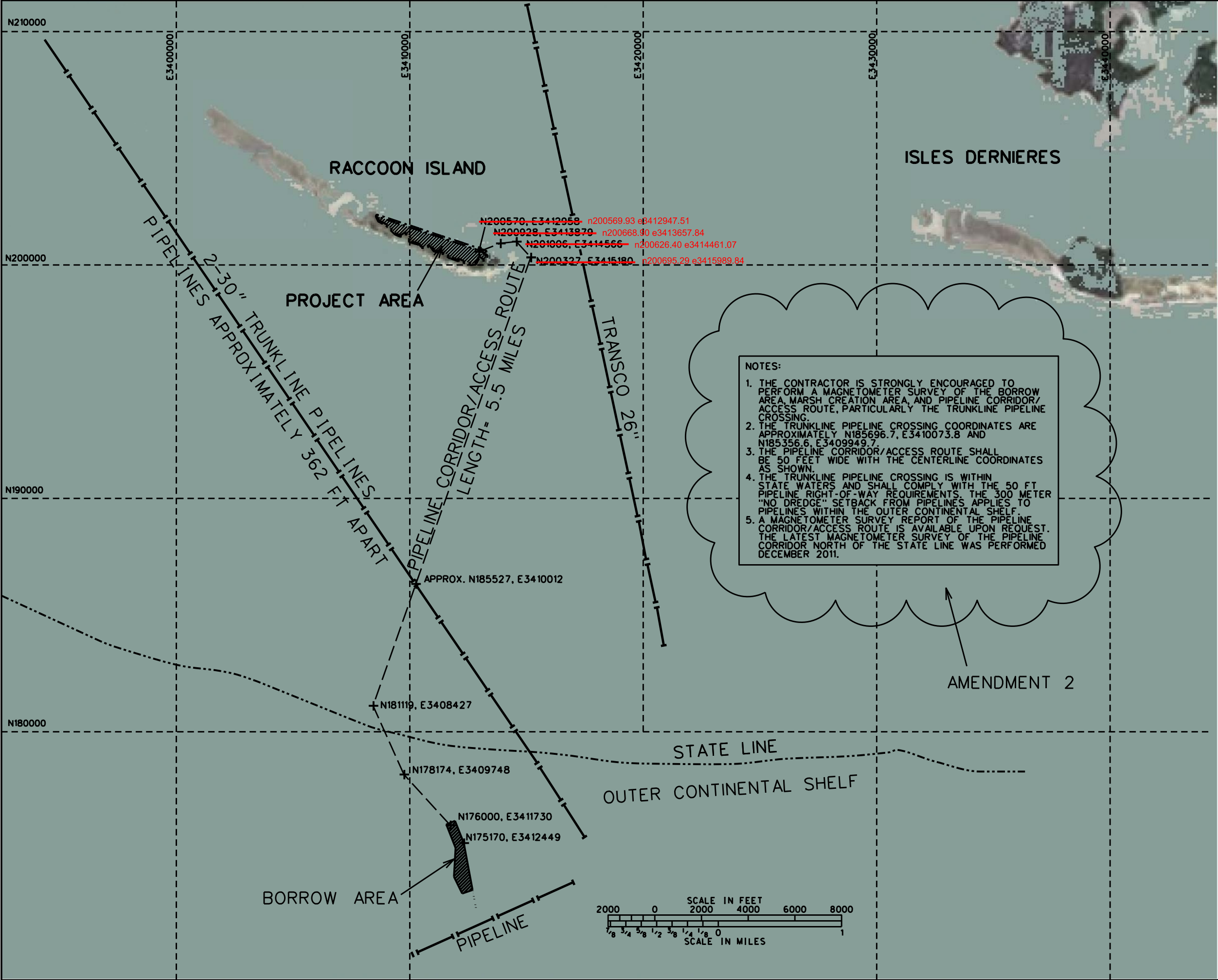




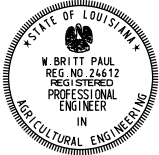








**"AS-BUILT"**



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
| A2        | 7/10/2012 | J.P.     | D.E.  |
|           |           |          |       |
|           |           |          |       |

| DESIGNED | J. PELTO     | DATE | 1/12 |
|----------|--------------|------|------|
| DRAWN    | D.J. WILMORE | DATE | 1/12 |
| CHECKED  | D. GILLEN    | DATE | 1/12 |
| APPROVED | B. PAUL      | DATE | 1/12 |

**BORROW AREA - LOCATION MAP**

**RACCOON ISLAND (TE-48)**

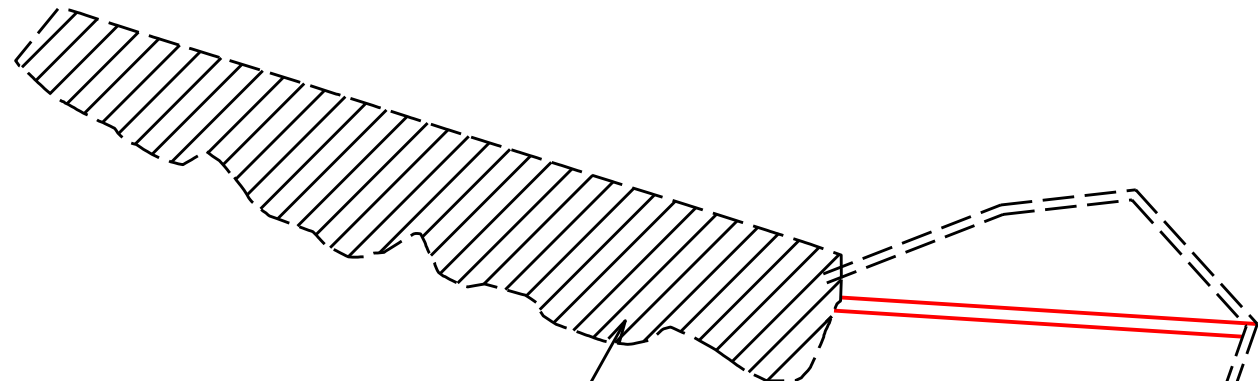
**PHASE B - MARSH CREATION PROJECT**

**TERREBONNE PARISH, LOUISIANA**



|                        |                       |
|------------------------|-----------------------|
| <b>FILE NAME</b>       | <b>LA350</b>          |
| <b>DRAWING NAME</b>    | <b>LA350006A2.DGN</b> |
| <b>SHEET 6A2 OF 21</b> |                       |





PROJECT AREA

Target 3

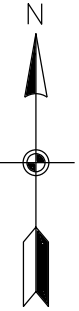
Target 2

PIPELINE CORRIDOR - 50' WIDE

Target 1

| COORDINATES                                                                                                             |            |             |
|-------------------------------------------------------------------------------------------------------------------------|------------|-------------|
| NO WORK ZONES                                                                                                           |            |             |
| NO WORK ZONES ARE DUE TO POTENTIAL CULTURAL RESOURCES. NO WORK ALLOWED WITHIN 100' RADIUS OF THE FOLLOWING COORDINATES. |            |             |
| TARGET 1                                                                                                                | N192852.10 | E3412730.60 |
| TARGET 2                                                                                                                | N198929.06 | E3414532.31 |
| TARGET 3                                                                                                                | N199764.05 | E3415178.37 |

- NOTES:
- 1. NO WORK ZONES ARE DUE TO POTENTIAL CULTURAL RESOURCES.
  - 2. NO WORK ALLOWED WITHIN 100' RADIUS OF 'NO WORK ZONE' COORDINATES.
  - 3. A CULTURAL RESOURCES ASSESSMENT REPORT IS AVAILABLE UPON REQUEST.



TRANSCO 26"

"AS-BUILT"

CULTURAL RESOURCES  
LOCATION MAP



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |

| DESIGNED | J. PELTO     | DATE | 1/12 |
|----------|--------------|------|------|
| DRAWN    | D.J. WILMORE | DATE | 1/12 |
| CHECKED  | D. GILLEN    | DATE | 1/12 |
| APPROVED | B. PAUL      | DATE | 1/12 |

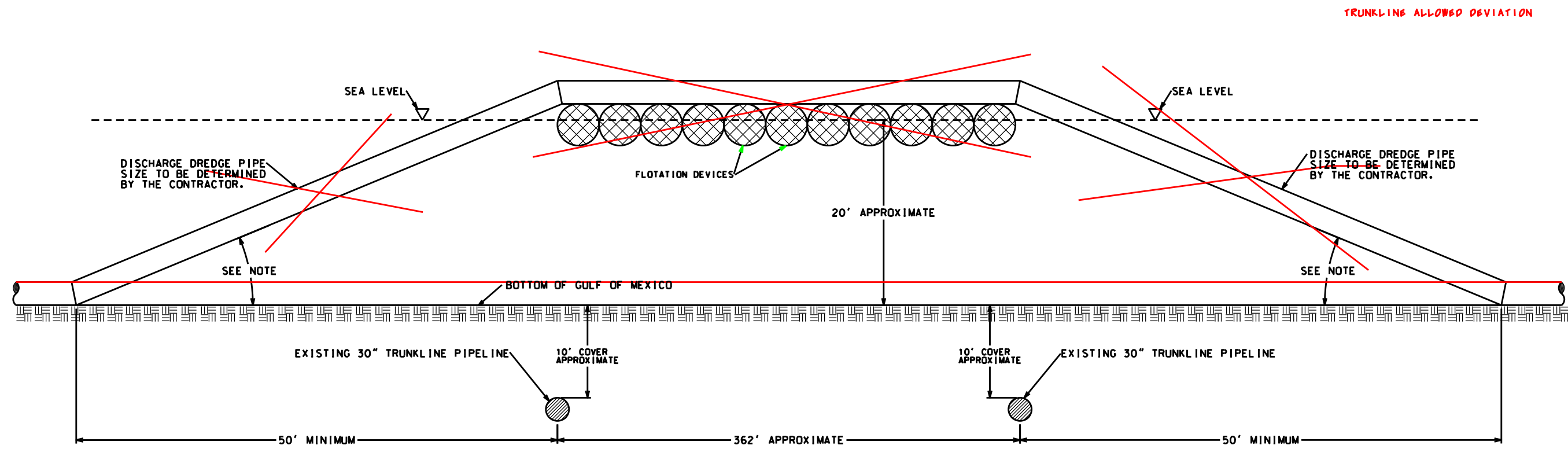
CULTURAL RESOURCES - LOCATION MAP  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



|               |               |
|---------------|---------------|
| FILE NAME     | L A350        |
| DRAWING NAME  | L A350007.DGN |
| SHEET 7 OF 21 |               |



NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES



NOTE:  
TO BE DETERMINED BY INDUSTRY STANDARDS  
AND CONTRACTOR EQUIPMENT.

TYPICAL SECTION-DISCHARGE PIPE OVER PIPELINE  
NOT TO SCALE

"AS-BUILT"



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |
|           |      |          |       |

| DESIGNED | J. PELTO     | DATE | 1/12 |
|----------|--------------|------|------|
| DRAWN    | D.J. WILMORE | DATE | 1/12 |
| CHECKED  | D. GILLEN    | DATE | 1/12 |
| APPROVED | B. PAUL      | DATE | 1/12 |

DETAIL-DISCHARGE PIPE @ PIPELINE  
RACON ISLAND - (TE-48)  
PHASE B -MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



|              |              |
|--------------|--------------|
| FILE NAME    | LA-350       |
| DRAWING NAME | LA350008.dgn |
| SHEET        | 8 OF 21      |



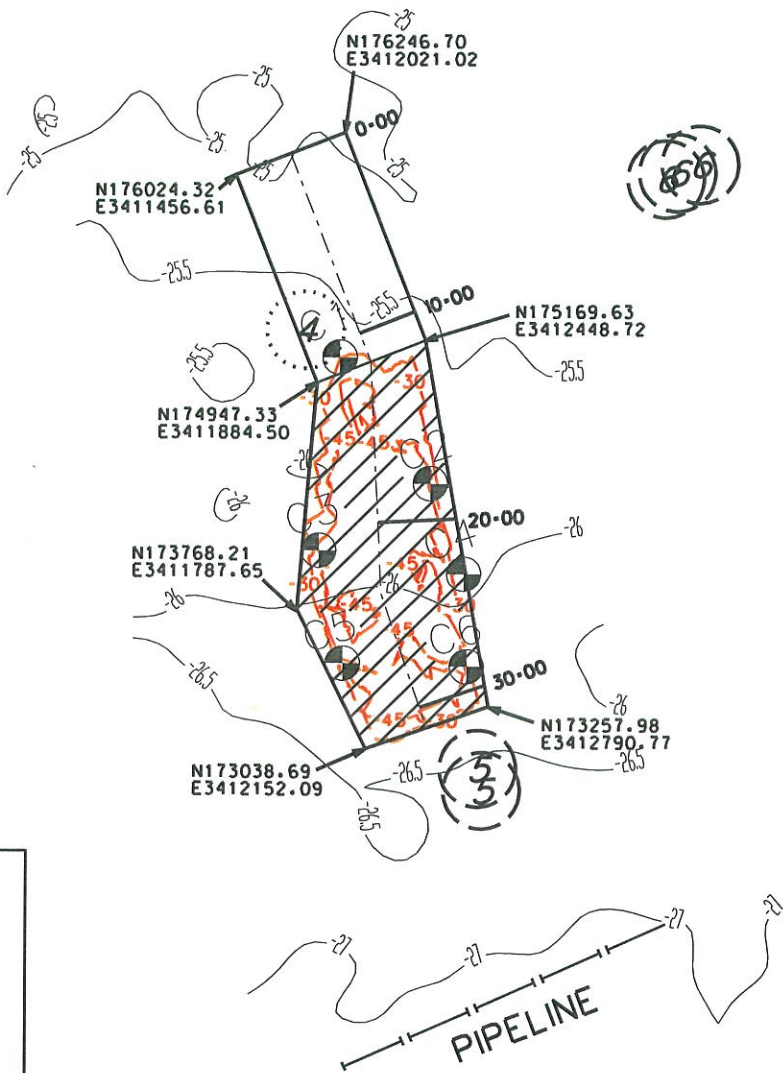


COORDINATES  
BORROW AREA

| STATION | NORTHING  | EASTING    |
|---------|-----------|------------|
| 0+00    | 176135.51 | 3411738.81 |
| 11+62   | 175057.30 | 3412163.62 |
| 23+71   | 173850.54 | 3412225.26 |
| 31+13   | 173146.78 | 3412466.90 |

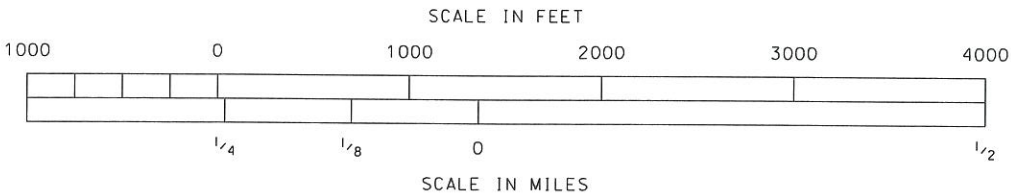
| COORDINATES<br>MAGNETIC ANOMALIES |            |             |
|-----------------------------------|------------|-------------|
| TARGET#4                          | N175219.68 | E3411824.54 |

| COORDINATES<br>NO WORK ZONES                                                                              |            |             |
|-----------------------------------------------------------------------------------------------------------|------------|-------------|
| NO WORK ZONES ARE DUE TO MAGNETIC ANOMALIES. NO WORK ALLOWED WITHIN 200' RADIUS OF FOLLOWING COORDINATES. |            |             |
| TARGET#5                                                                                                  | N172935.10 | E3412737.13 |
| TARGET#5                                                                                                  | N172819.79 | E3412757.50 |
| TARGET#6                                                                                                  | N176085.42 | E3413877.97 |
| TARGET#6                                                                                                  | N176040.83 | E3413759.09 |
| TARGET#6                                                                                                  | N176008.32 | E3413698.67 |



**LEGEND**

- SOIL BORING LOCATION
- NO WORK ZONE
- MAGNETIC ANOMALIES OF PROBABLE INSIGNIFICANCE
- PRIMARY BORROW AREA



BORROW AREA  
PLAN VIEW

- NOTES:**
1. NO WORK ZONES ARE DUE TO MAGNETIC ANOMALIES.
  2. NO WORK ALLOWED WITHIN 200' RADIUS OF 'NO WORK ZONE' COORDINATES.
  3. THE MAXIMUM DEPTH OF CUT IN THE BORROW AREA IS TO ELEVATION -45.5 NAVD88. THE CUT TOLERANCE SHALL BE +/-2.0 FEET.
  4. BORROW DREDGING SHALL BEGIN AT STA. 11+62 AND PROCEED TO STA. 31+13. WHEN ALL MATERIAL HAS BEEN DREDGED WITHIN THIS REACH, DREDGING SHALL BEGIN AT STA. 11+62 AND PROCEED TOWARD STA. 0+00 UNTIL PROJECT COMPLETION.
  5. A GEOTECHNICAL REPORT IS AVAILABLE UPON REQUEST.

"AS-BUILT"



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |

**BORROW AREA - PLAN VIEW**

**RACCOON ISLAND (TE-48)**

**PHASE B - MARSH CREATION PROJECT**

**TERREBONNE PARISH, LOUISIANA**

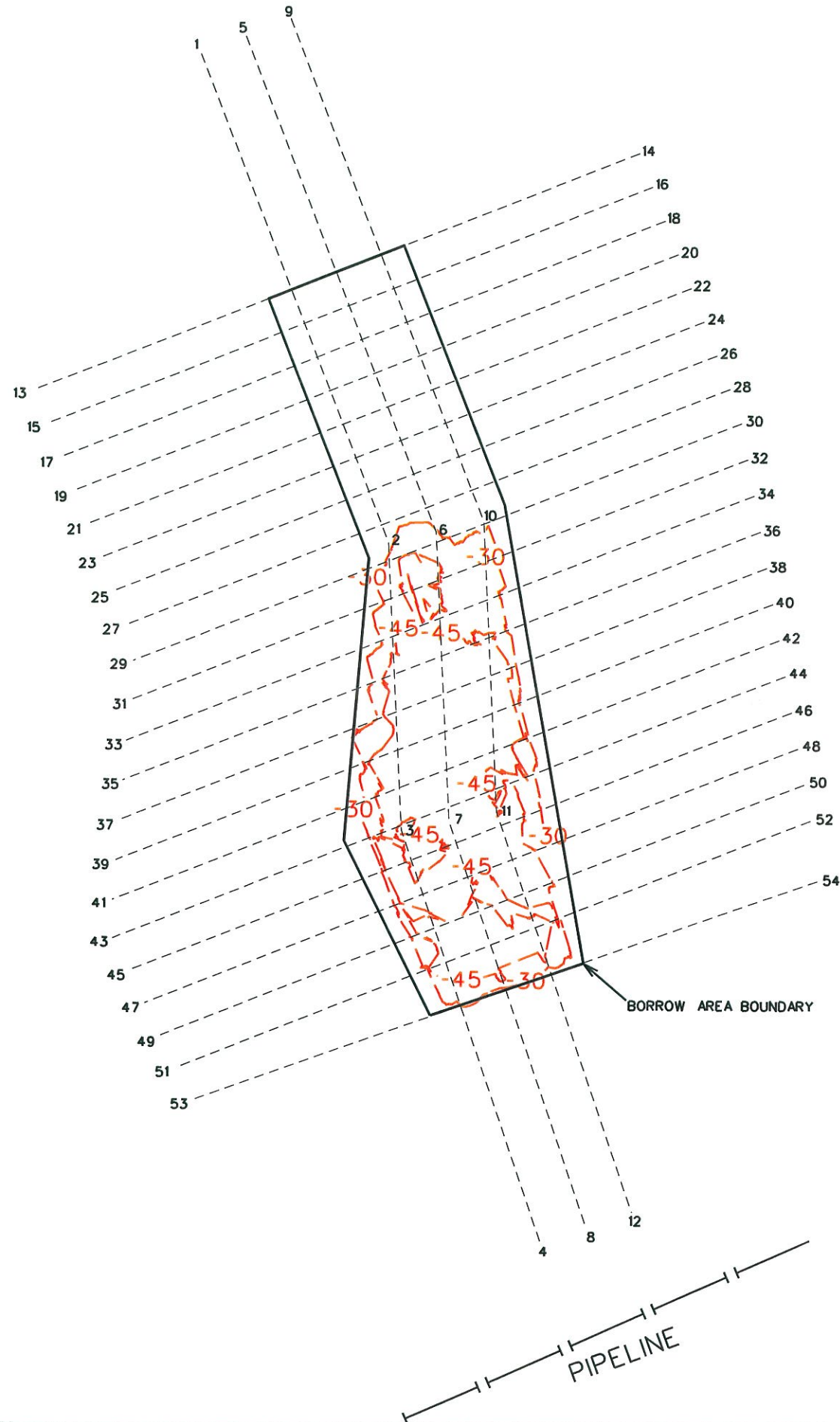
**NRCS**

Natural Resources Conservation Service  
United States Department of Agriculture

|              |              |
|--------------|--------------|
| FILE NAME    | LA350        |
| DRAWING NAME | LA350009.DGN |
| SHEET 9 OF   | 21           |

|          |              |
|----------|--------------|
| DATE     | 1/12         |
| DESIGNED | J. PELTO     |
| DRAWN    | D.J. WILMORE |
| CHECKED  | D. GILLEN    |
| APPROVED | B. PAUL      |





### SURVEY LINE COORDINATES

|    |             |             |
|----|-------------|-------------|
| 1  | N 177039.11 | E3411167.83 |
| 2  | N 175014.43 | E3411965.55 |
| 3  | N 173812.22 | E3412026.96 |
| 4  | N 172088.74 | E3412618.72 |
| 5  | N 177112.42 | E3411353.91 |
| 6  | N 175057.30 | E3412163.62 |
| 7  | N 173850.54 | E3412225.26 |
| 8  | N 172153.69 | E3412807.88 |
| 9  | N 177185.74 | E3411539.99 |
| 10 | N 175100.18 | E3412361.69 |
| 11 | N 173888.86 | E3412423.57 |
| 12 | N 172218.64 | E3412997.04 |
| 13 | N 175639.43 | E3410479.69 |
| 14 | N 176631.60 | E3412997.93 |
| 15 | N 175499.87 | E3410534.68 |
| 16 | N 176492.04 | E3413052.91 |
| 17 | N 175360.31 | E3410589.67 |
| 18 | N 176352.48 | E3413107.90 |
| 19 | N 175220.75 | E3410644.65 |
| 20 | N 176212.92 | E3413162.88 |
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| 27 | N 174662.52 | E3410864.59 |
| 28 | N 175654.69 | E3413382.82 |
| 29 | N 174516.76 | E3410903.84 |
| 30 | N 175513.24 | E3413433.01 |
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| 32 | N 175362.63 | E3413459.96 |
| 33 | N 174183.53 | E3410876.47 |
| 34 | N 175212.03 | E3413486.91 |
| 35 | N 174016.91 | E3410862.78 |
| 36 | N 175061.42 | E3413513.86 |
| 37 | N 173850.30 | E3410849.10 |
| 38 | N 174910.82 | E3413540.81 |
| 39 | N 173683.68 | E3410835.41 |
| 40 | N 174760.21 | E3413567.76 |
| 41 | N 173517.07 | E3410821.73 |
| 42 | N 174609.61 | E3413594.70 |
| 43 | N 173356.75 | E3410824.01 |
| 44 | N 174459.00 | E3413621.65 |
| 45 | N 173222.04 | E3410891.31 |
| 46 | N 174308.40 | E3413648.60 |
| 47 | N 173087.33 | E3410958.60 |
| 48 | N 174157.79 | E3413675.55 |
| 49 | N 172952.62 | E3411025.90 |
| 50 | N 174007.19 | E3413702.50 |
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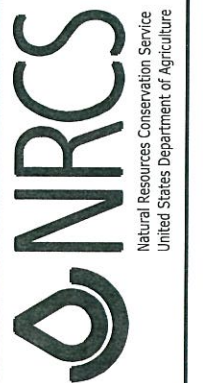
BORROW AREA  
SURVEY LINES

"AS-BUILT"



|          |              |      |      |
|----------|--------------|------|------|
| DESIGNED | J. PELTO     | DATE | 1/12 |
| DRAWN    | D.J. WILMORE |      | 1/12 |
| CHECKED  | D. GILLEN    |      | 1/12 |
| APPROVED | B. PAUL      |      | 1/12 |

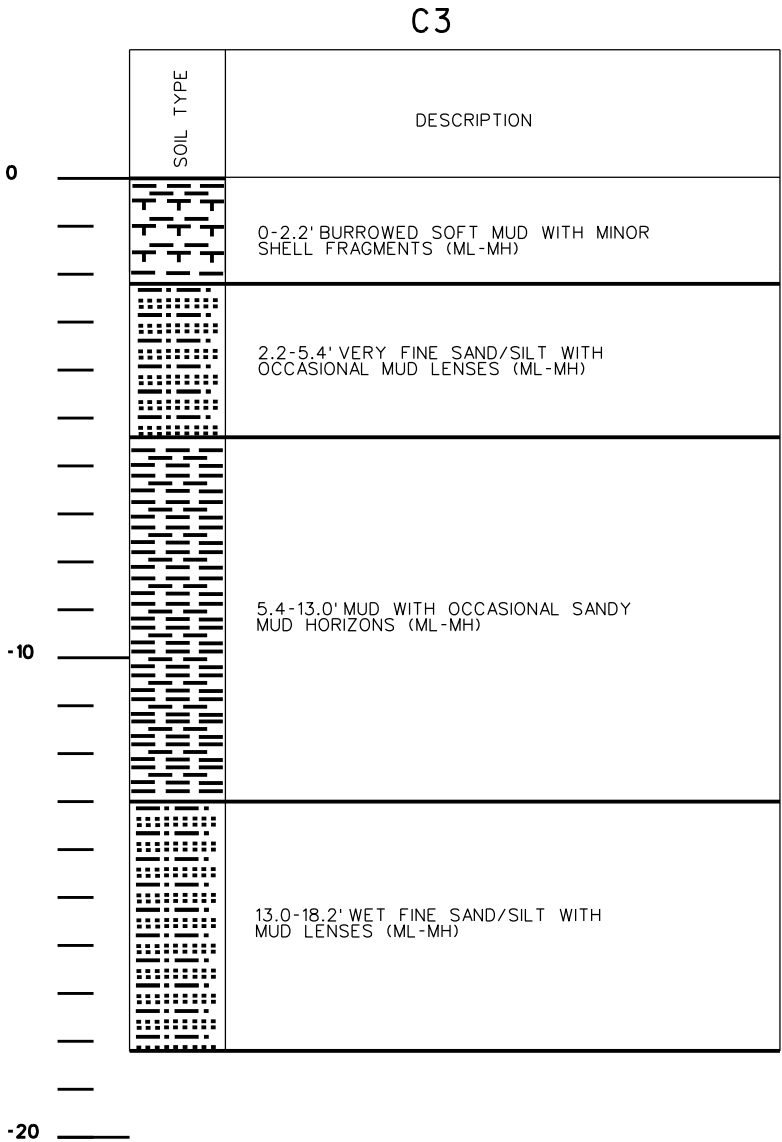
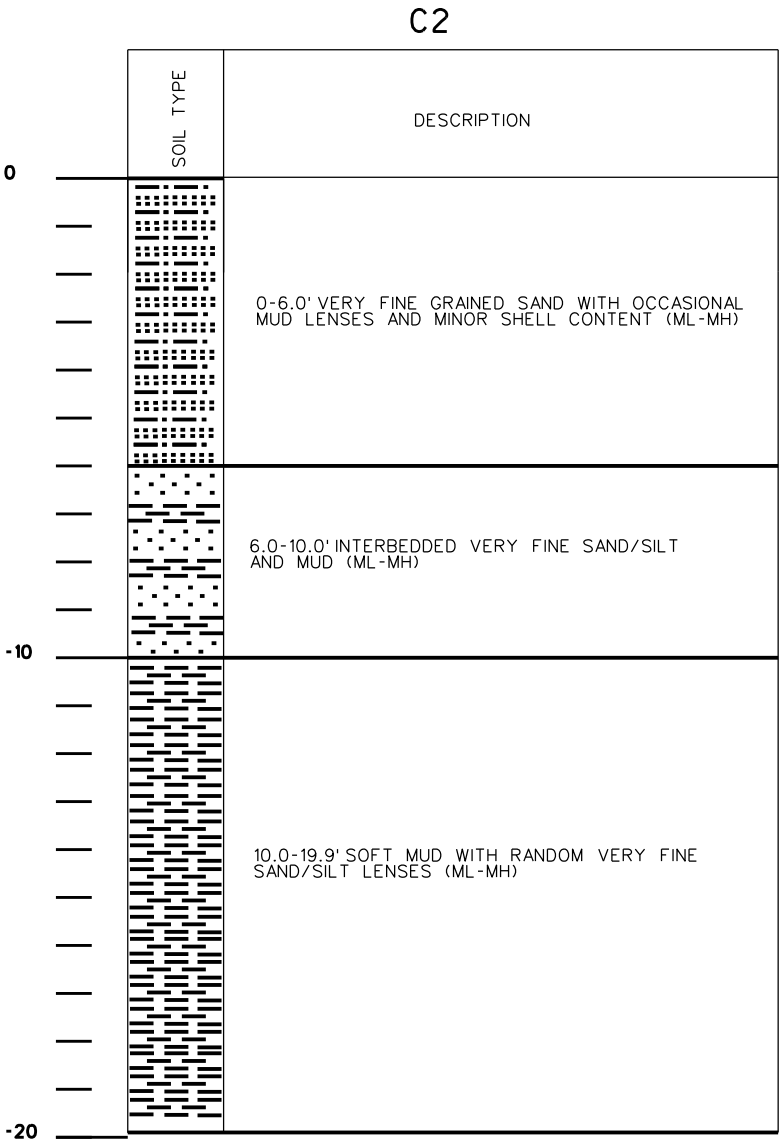
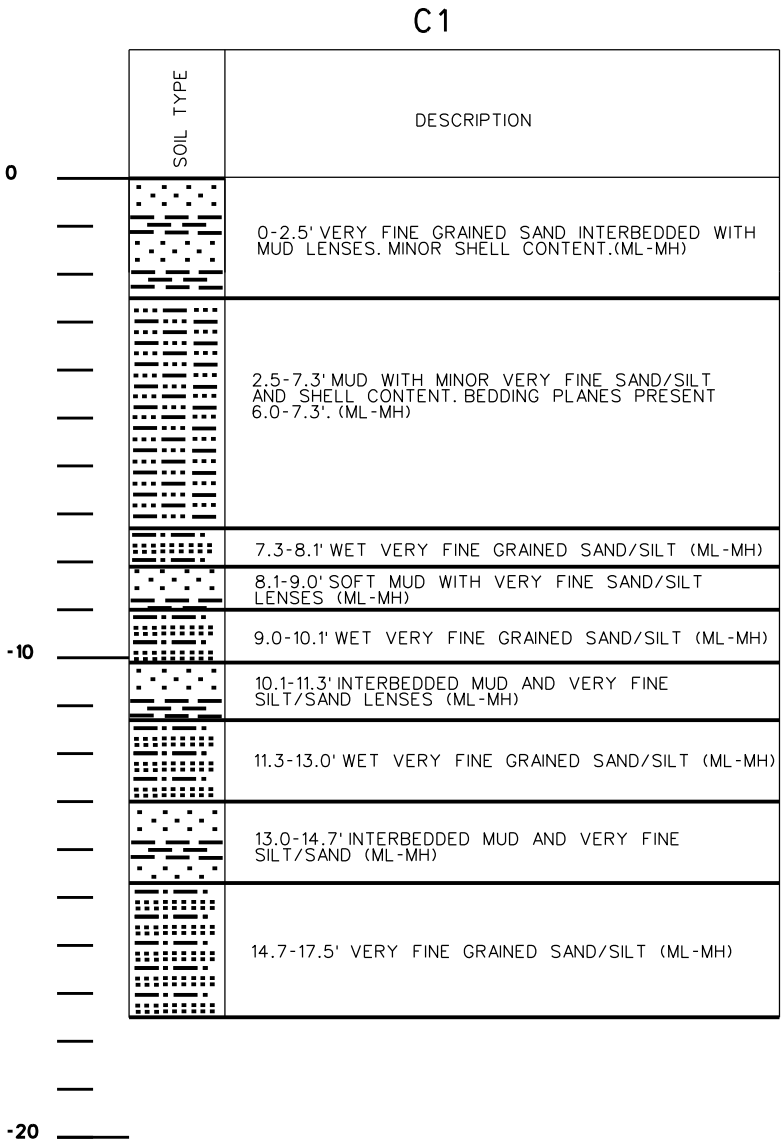
BORROW AREA - SURVEY LINES  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



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| FILE NAME    | LA350        |
| DRAWING NAME | LA350010.DGN |
| SHEET 10 OF  | 21           |

| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |





"AS-BUILT"



SOIL BORING LOGS-C1 THRU C3  
BORROW AREA

| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |
|           |      |          |       |

DESIGNED

J. PELTO

DATE

1/12

DRAWN

D.J. WILMORE

1/12

CHECKED

D. GILLEN

1/12

APPROVED

B. PAUL

1/12

SOIL BORING LOGS - C1 THRU C3  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

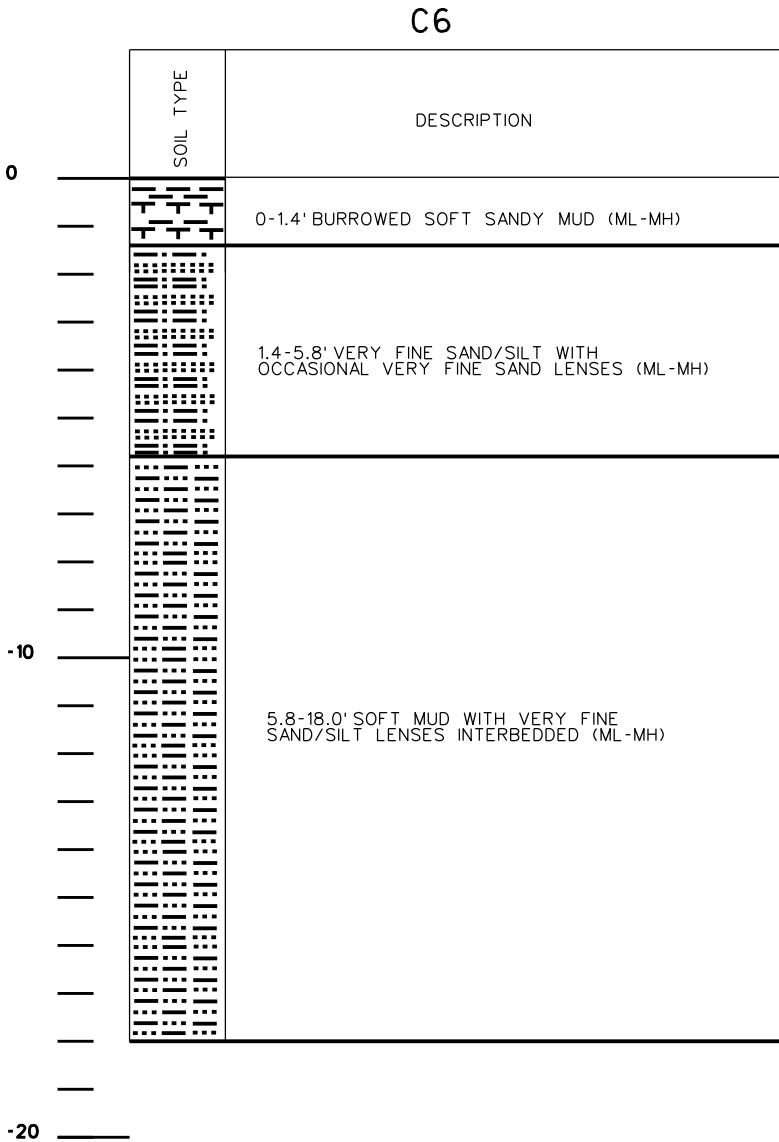
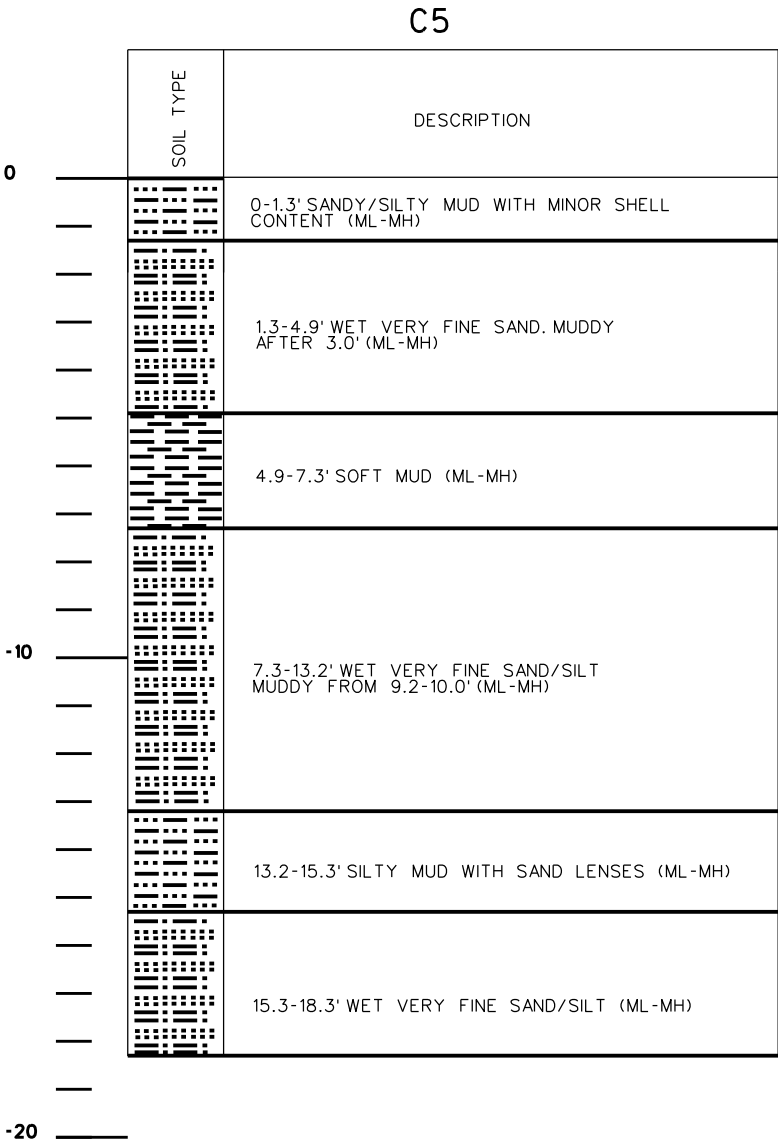
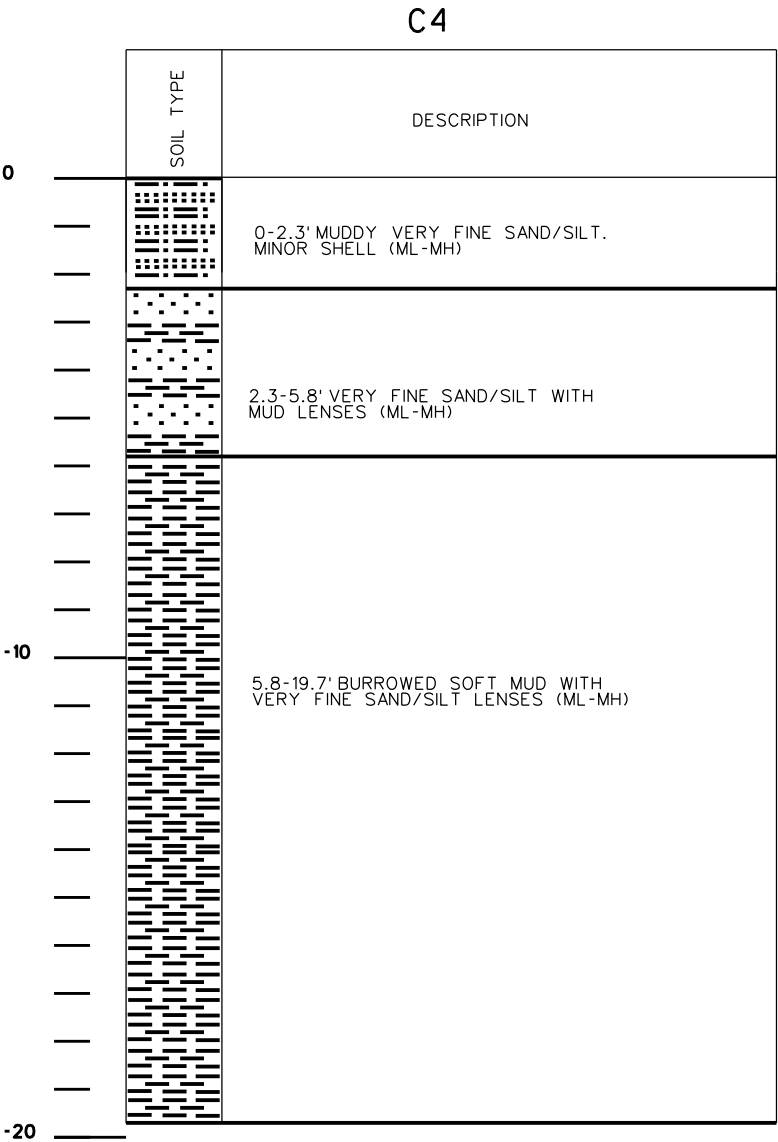
NRC  
Natural Resources Conservation Service  
United States Department of Agriculture

FILE NAME  
LA350

DRAWING NAME  
LA350011.DGN

SHEET 11 OF 21





"AS-BUILT"



SOIL BORING LOGS-C4 THRU C6  
BORROW AREA

| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
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Natural Resources Conservation Service  
United States Department of Agriculture

FILE NAME  
LA350

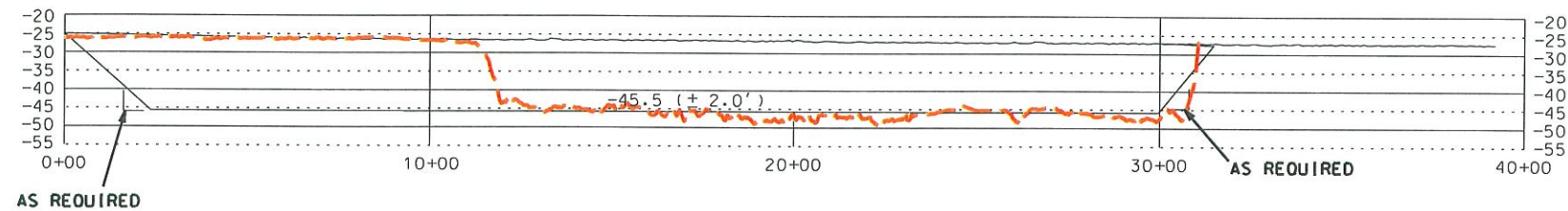
DRAWING NAME  
LA350012.DGN

SHEET 12 OF 21

SOIL BORING LOGS - C4 THRU C6  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

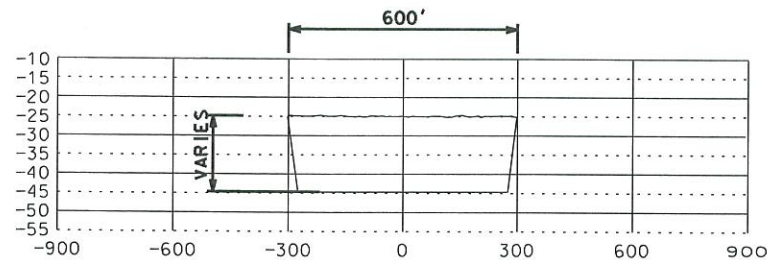
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| DRAWN    | D.J. WILMORE |      | 1/12 |
| CHECKED  | D. GILLEN    |      | 1/12 |
| APPROVED | B. PAUL      |      | 1/12 |



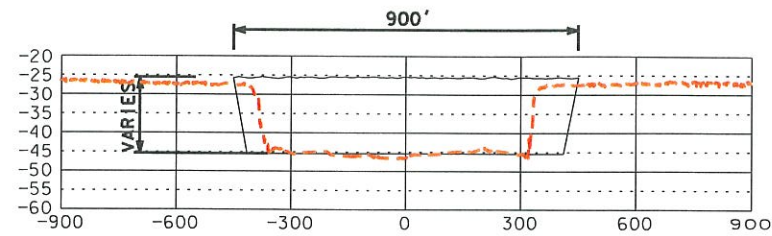


BORROW AREA  $\phi$  PROFILE

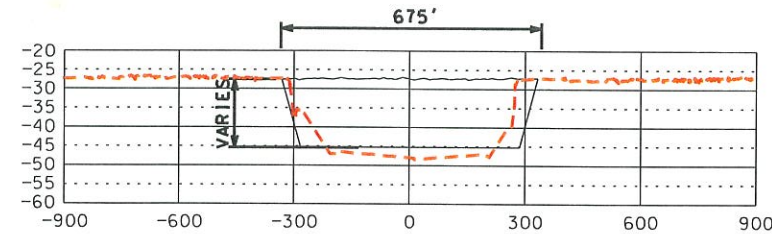
"AS-BUILT"



BORROW AREA  
STA. 0+00-STA. 11+62



BORROW AREA  
STA. 23+71



BORROW AREA  
STA. 31+13

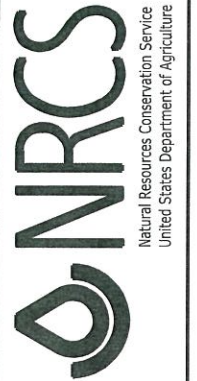


NOTE:  
ALL VERTICAL DATUM - NAVD 1988  
CED1099

| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
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| DESIGNED | J. PELTO     | DATE | 1/12 |
| DRAWN    | D.J. WILMORE |      | 1/12 |
| CHECKED  | D. GILLEN    |      | 1/12 |
| APPROVED | B. PAUL      |      | 1/12 |

BORROW AREA - PROFILE & SECTIONS  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



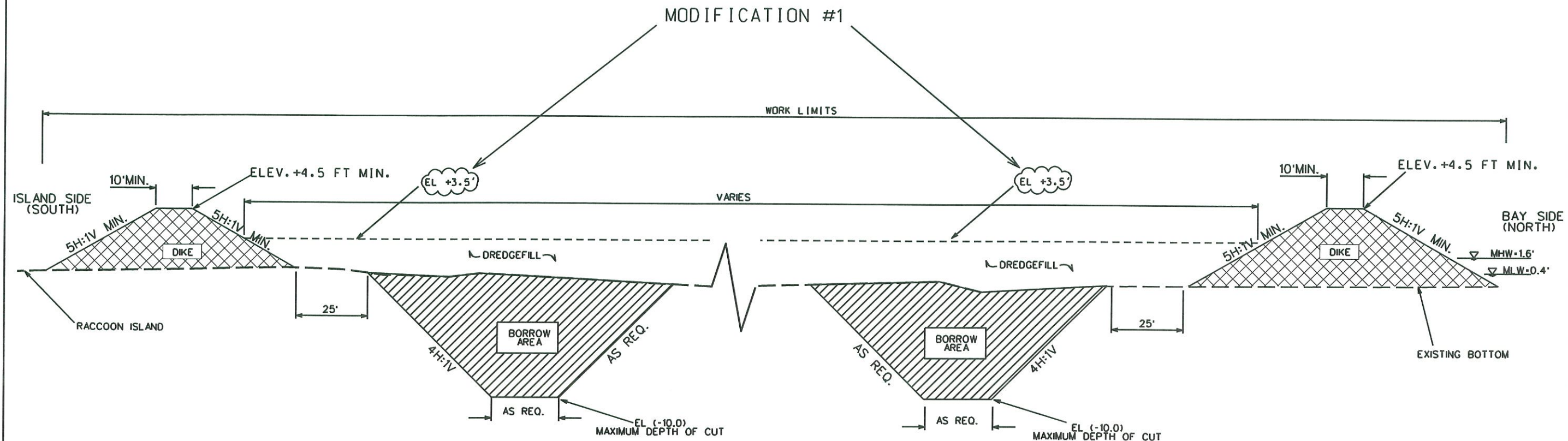
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| FILE NAME    | LA350        |
| DRAWING NAME | LA350013.DGN |
| SHEET        | 13 OF 21     |



NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES

SEE SHEET 14AM2 FOR DETAILS  
PERTAINING TO MODIFICATION #2

MODIFICATION #2



TYPICAL CONTAINMENT DIKE LAYOUT - RACCOON ISLAND  
N.T.S.

NOTE:

1. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN  
CONTAINMENT DIKES DURING CONSTRUCTION AND DREDGE FILL OPERATIONS.  
THIS MAY INCLUDE MATERIALS FOR COVERING AND PROTECTION.

2. AFTER DREDGE FILL OPERATIONS HAVE BEEN COMPLETED,  
CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE BAY SIDE  
CONTAINMENT DIKES UNTIL PLACEMENT OF GEOTEXTILE TUBES  
HAVE BEEN COMPLETED.

MODIFICATION #2

AMENDMENT 2-  
DIKE DIMENSIONS CHANGE

THIS STATEMENT NO LONGER PART OF CONTRACT.

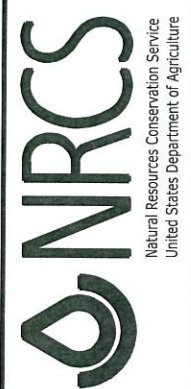
NOTE:  
ALL VERTICAL DATUM - NAVD 1988  
GEOID99  
TIDAL OPENINGS IN THE BAYSIDE CONTAINMENT DIKE  
SHALL BE PLACED IN THE FIELD AS NEEDED AND  
AS CONCURRED IN/W/ THE CDR.

"AS-BUILT"



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
| A2        | 7/27/2012 | J.P.     | D.E.  |
| M1        | 10/29/12  | J.P.     | D.E.  |
| M2        | 2/07/13   | B.S.     | C.E.  |

TYPICAL - CONTAINMENT DIKE LAYOUT  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



FILE NAME  
LA350  
DRAWING NAME  
LA350014M2.DGN

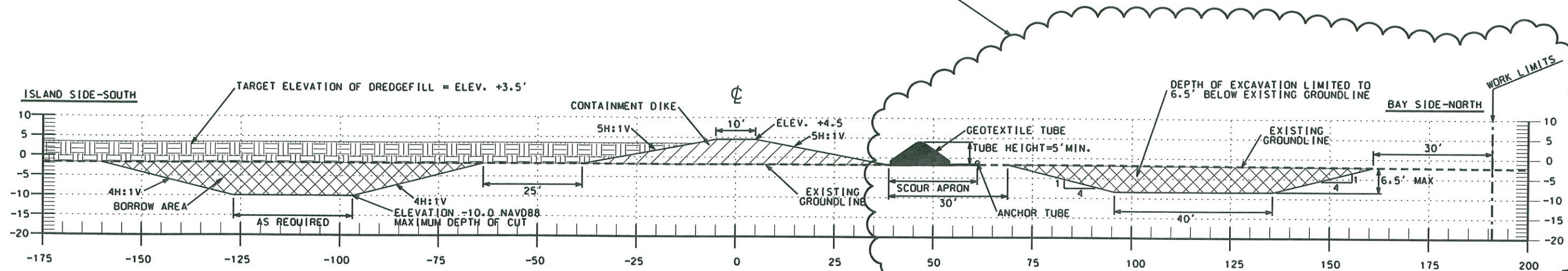
SHEET 14M2 OF 21

| DATE  | DESIGNED | DRAWN        | CHECKED   | APPROVED   |
|-------|----------|--------------|-----------|------------|
| 10/12 | J. PELTO | D.J. WILMORE | D. GILLEN | M. GILFORD |

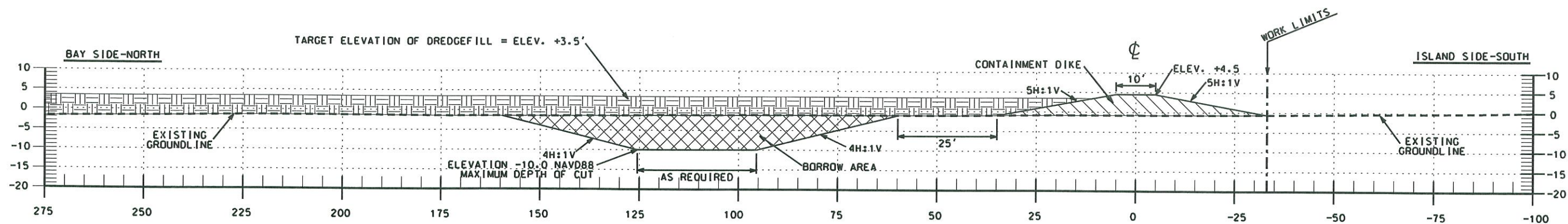


NOTICE:  
96 HOURS BEFORE DIGGING  
CALL 1-800-272-3020  
TO LOCATE UTILITY LINES

MODIFICATION NO. 2



TYPICAL SECTION-CONTAINMENT DIKE BAY SIDE  
NOT TO SCALE



TYPICAL SECTION-CONTAINMENT DIKE ISLAND SIDE  
NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN CONTAINMENT DIKES DURING CONSTRUCTION AND DREDGE FILL OPERATIONS. THIS MAY INCLUDE MATERIALS FOR COVERING AND PROTECTION.
2. AFTER DREDGE FILL OPERATIONS HAVE BEEN COMPLETED, CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE BAY SIDE CONTAINMENT DIKES UNTIL PLACEMENT OF GEOTEXTILE TUBES HAVE BEEN COMPLETED.

MODIFICATION NO. 2

AMENDMENT 2  
DIKE DIMENSION CHANGE

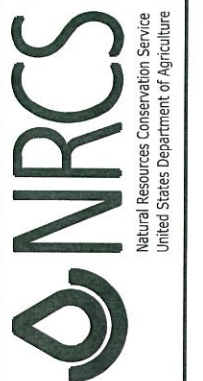
"AS-BUILT"



| REVISIONS |         |          |       |
|-----------|---------|----------|-------|
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| M2        | 2/08/13 | B.S.     | C.E.  |

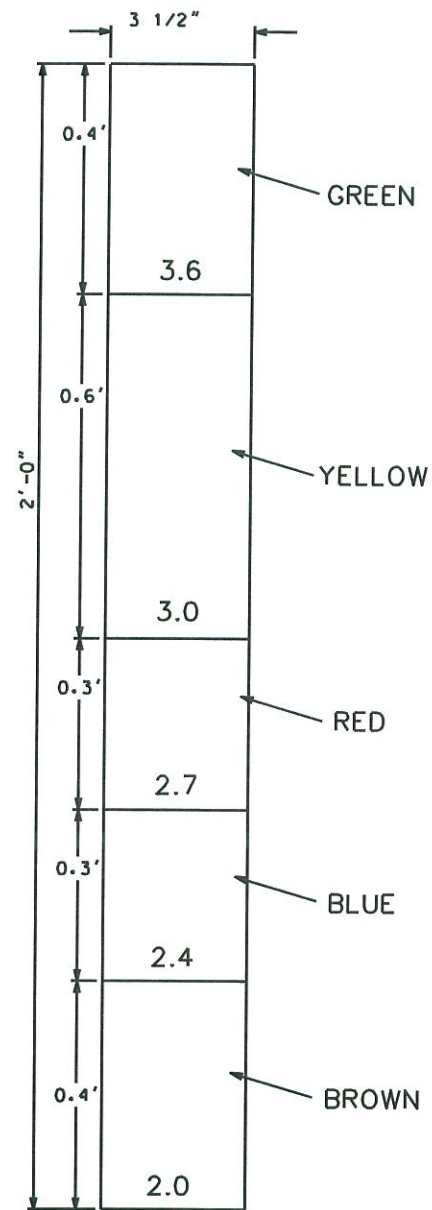
| DATE     | 1/12          |
|----------|---------------|
| DESIGNED | J. PELTO      |
| DRAWN    | A. GREMILLION |
| CHECKED  | D. GILLEN     |
| APPROVED | B. PAUL       |

TYPICAL SECTION - CONTAINMENT DIKE LAYOUT  
RACOON ISLAND (TE-48)  
PHASE - MARSH CREATION PROJECT  
TERRBORNE PARISH, LOUISIANA



FILE NAME  
LA-350  
DRAWING NAME  
LA350014AM2.dgn  
SHEET 14AM2 of 21





"AS-BUILT"

NOTE:  
THE STAFF GAUGE NUMBERS SHALL BE BLACK  
IN COLOR AND SHALL BE 2.5 INCHES IN HEIGHT.

TYPICAL STAFF GAUGE DETAIL  
N.T.S.



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |

FILE NAME  
LA350

DRAWING NAME  
LA350015.DGN

SHEET 15 OF 21



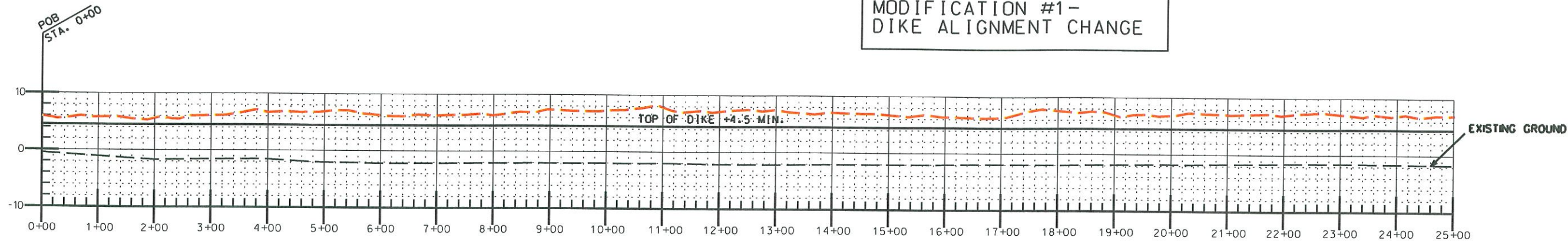
Natural Resources Conservation Service  
United States Department of Agriculture

TYPICAL - STAFF GAUGE DETAIL  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

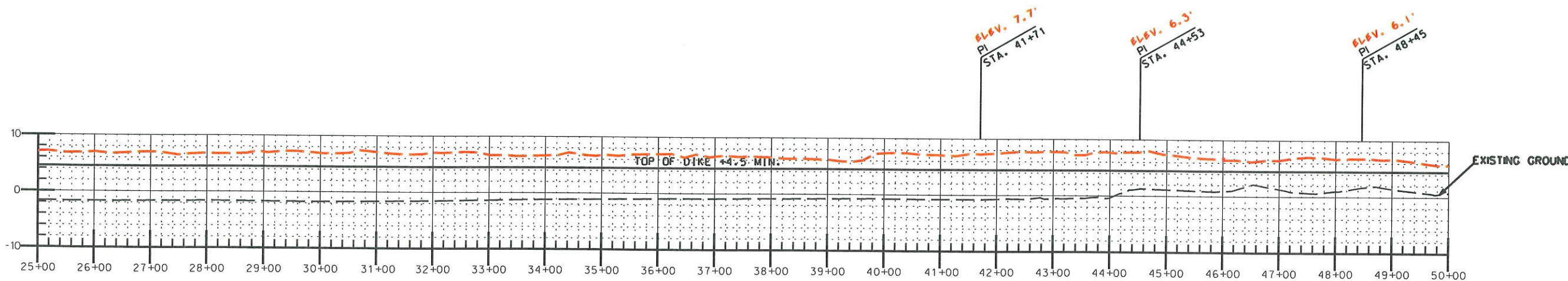
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| DESIGNED | J. PELTO     | DATE | 1/12 |
| DRAWN    | D.J. WILMORE |      | 1/12 |
| CHECKED  | D. GILLEN    |      | 1/12 |
| APPROVED | B. PAUL      |      | 1/12 |



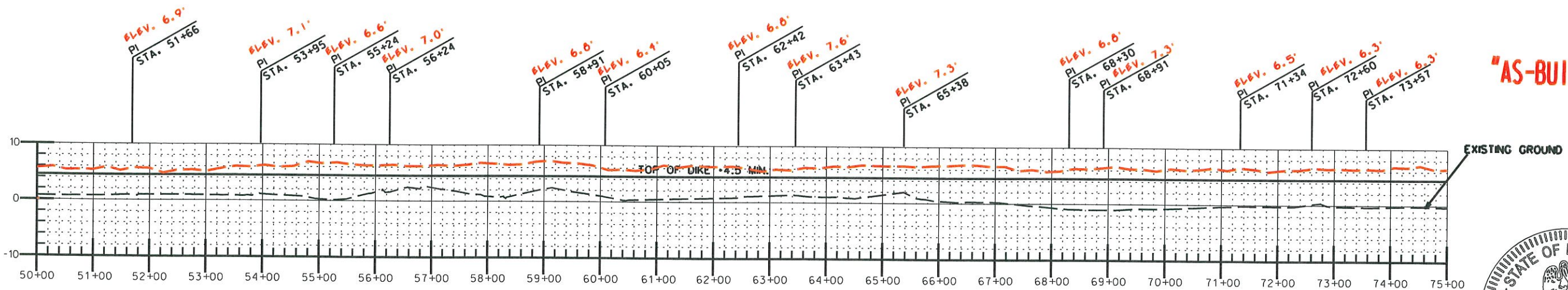
MODIFICATION #1 -  
DIKE ALIGNMENT CHANGE



PROFILE - STA. 0+00 TO STA. 25+00



PROFILE - STA. 25+00 TO STA. 50+00



PROFILE - STA. 50+00 TO STA. 75+00

AMENDMENT 2 -  
DIKE DIMENSIONS CHANGE



"AS-BUILT"

CONTAINMENT DIKE - PROFILE  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

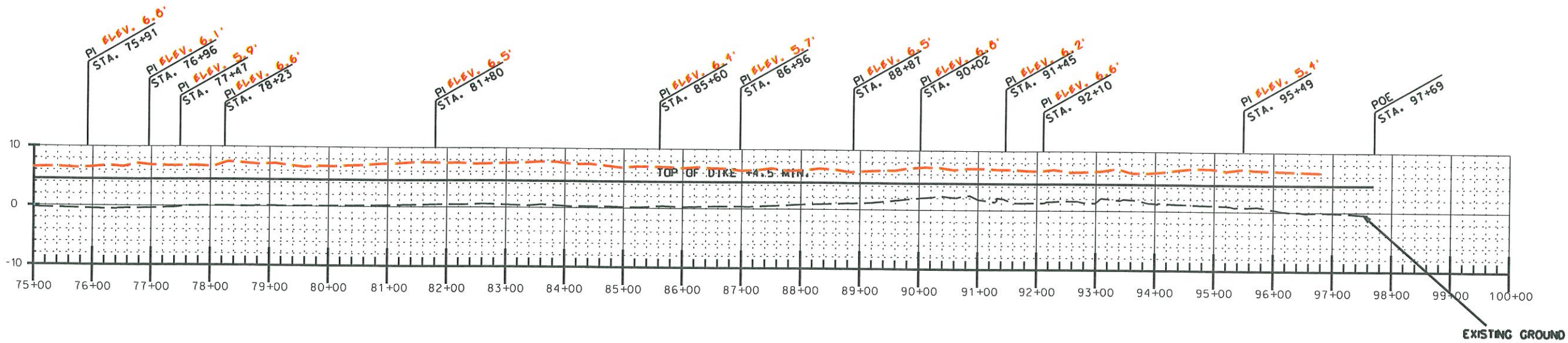
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| DESIGNED | J. PELTO     | DATE | 10/12 |
| DRAWN    | D.J. WILMORE | DATE | 10/12 |
| CHECKED  | D. CILLEN    | DATE | 10/12 |
| APPROVED | M. GILFORD   | DATE | 10/12 |



FILE NAME  
LA350  
DRAWING NAME  
LA350016M1.DGN

| REVISIONS |          |          |       |
|-----------|----------|----------|-------|
| NO.       | DATE     | APPROVED | TITLE |
| A1        | 7/2/2012 | J.P.     | D.E.  |
| M1        | 10/29/12 | J.P.     | D.E.  |





96-02.74  
 PROFILE - STA. 75+00 TO STA. ~~97+69~~

MODIFICATION #1 -  
 DIKE ALIGNMENT CHANGE

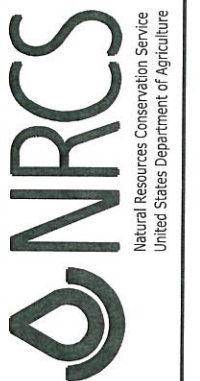
AMENDMENT 2 -  
 DIKE DIMENSIONS CHANGE

"AS-BUILT"



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
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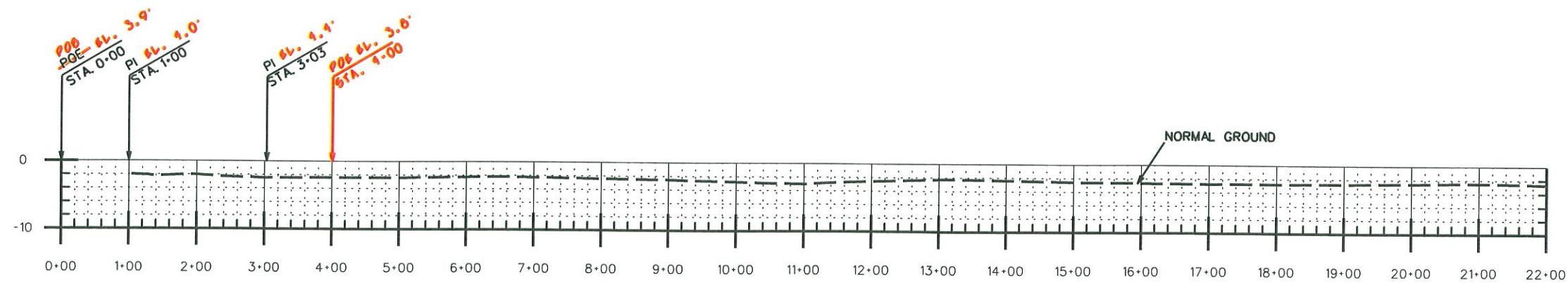
CONTAINMENT DIKE - PROFILE  
 RACCOON ISLAND (TE-48)  
 PHASE B - MARSH CREATION PROJECT  
 TERREBONNE PARISH, LOUISIANA



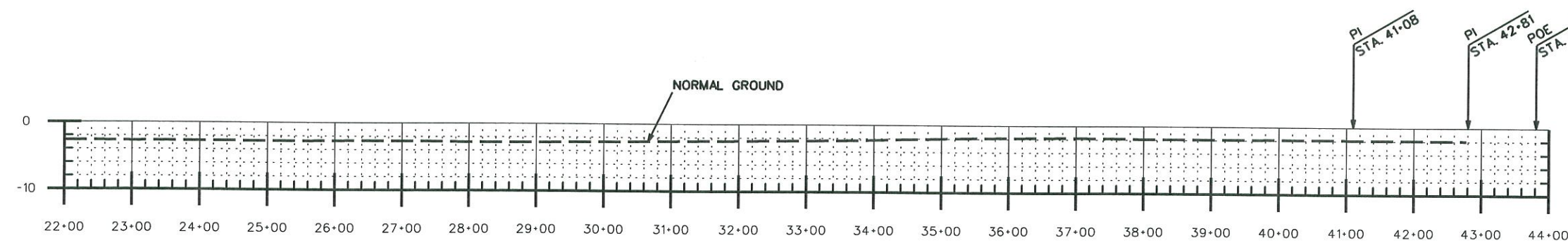
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| SHEET        | 17M1 OF 21     |

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|----------|--------------|------|-------|
| DESIGNED | J. PELTO     | DATE | 10/12 |
| DRAWN    | D.J. WILMORE |      | 10/12 |
| CHECKED  | D. GILLEN    |      | 10/12 |
| APPROVED | M. GILFORD   |      | 10/12 |





CL OF GEOTEXTILE TUBE PROFILE - STA. 0+00 TO STA. 22+00



CL OF GEOTEXTILE TUBE PROFILE - STA. 22+00 TO STA. 43+81

"AS-BUILT"

NOTE: THE SITE IS HIGHLY DYNAMIC AND THE ELEVATIONS SHOWN MAY CHANGE DURING THE DURATION OF THE CONTRACT

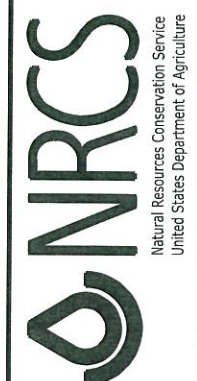


CL GEOTEXTILE TUBE - PROFILE  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

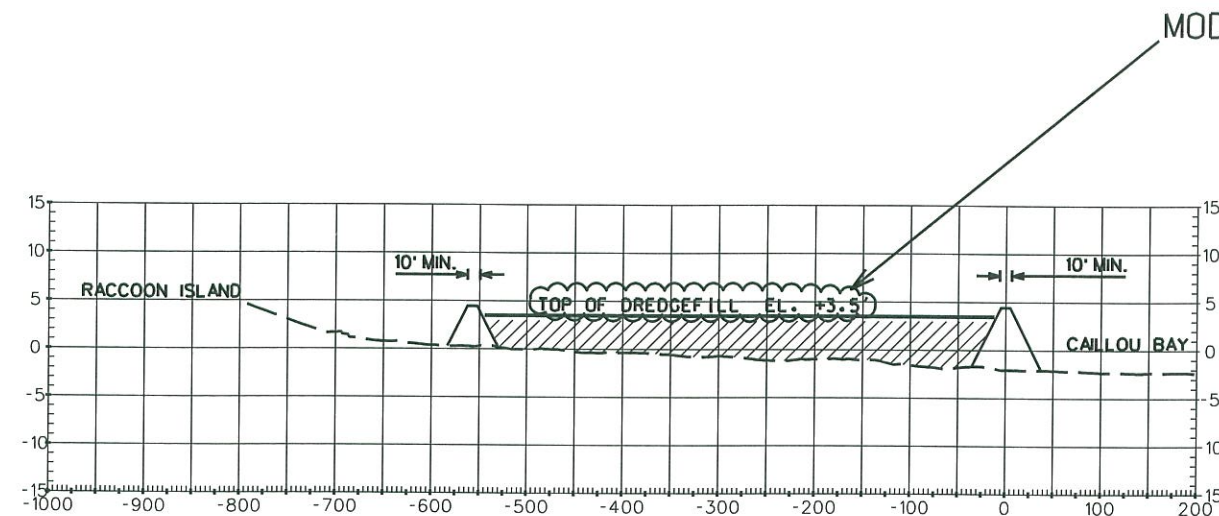
| DESIGNED  | DRAWN        | CHECKED  | APPROVED   | DATE |
|-----------|--------------|----------|------------|------|
| B. SAMSON | D.J. WILMORE | J. PELTO | M. GILFORD | 2/13 |

|              |                 |
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| DRAWING NAME | LA350017AM2.DGN |
| SHEET        | 17AM2OF 21      |

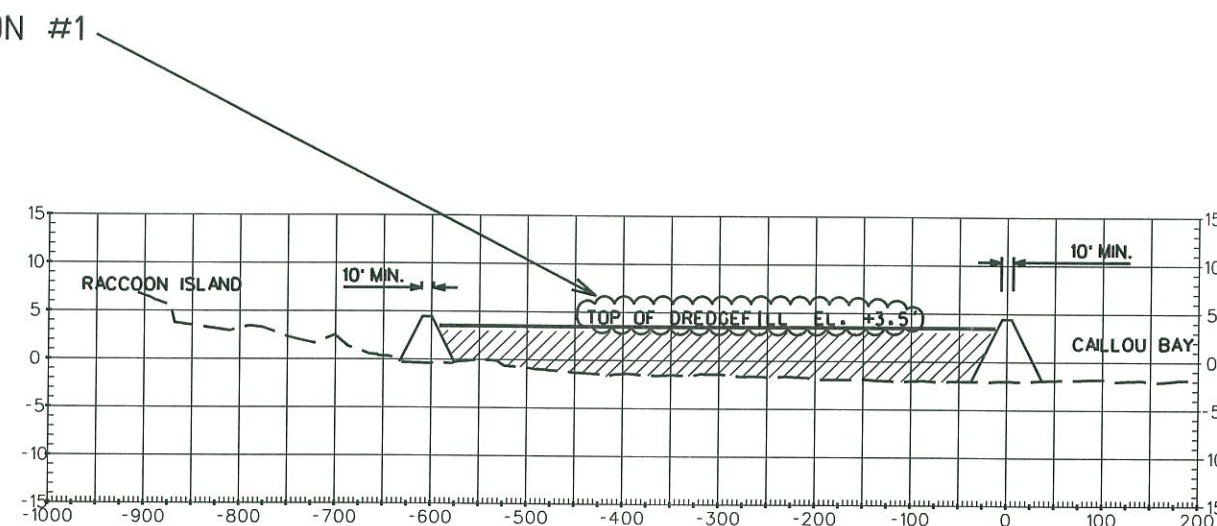
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| M2        | 02/08/13 | B.S.     | D.E.  |



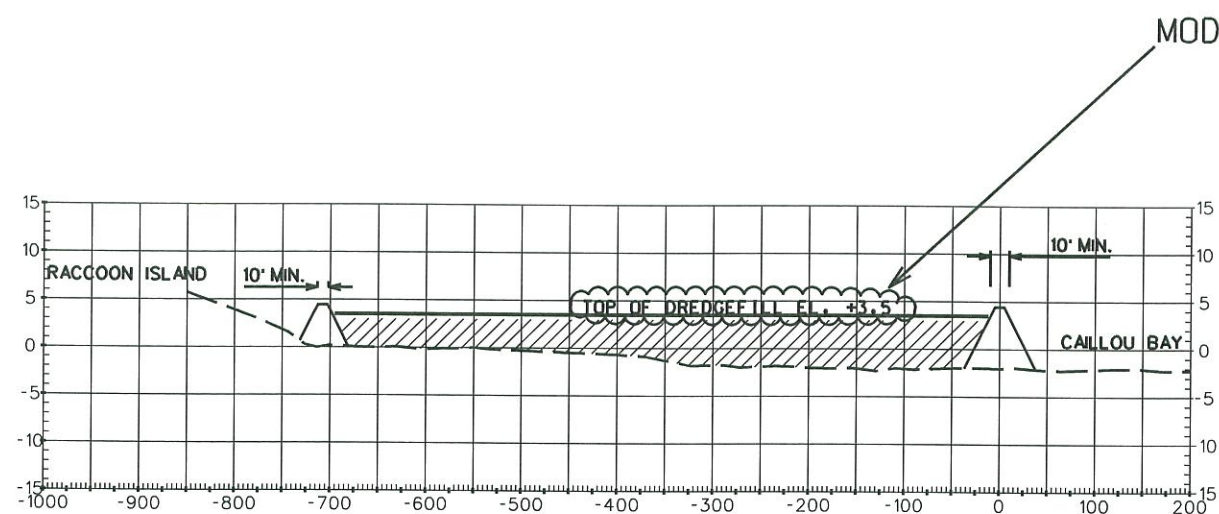




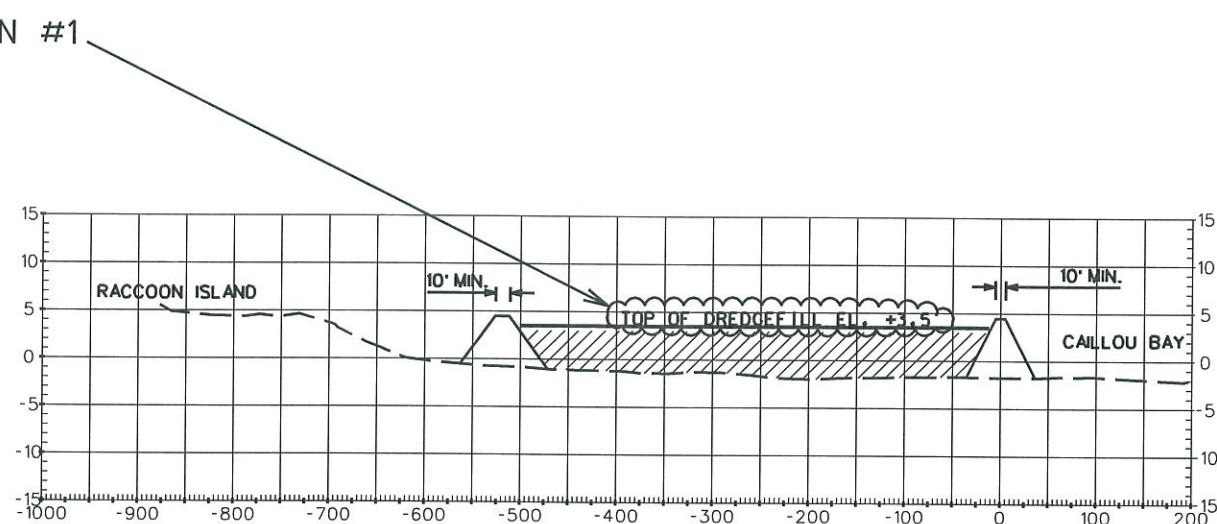
5+00



15+00



10+00



20+00

MODIFICATION #1-  
DIKE ALIGNMENT CHANGE

AMENDMENT 2-  
DIKE DIMENSIONS CHANGE

"AS-BUILT"



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
| A2        | 7/27/2012 | J.P.     | D.E.  |
| M1        | 10/29/12  | J.P.     | D.E.  |

SECTIONS - DREDGE FILL  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

| DATE  | DESIGNED | DRAWN        | CHECKED   | APPROVED   |
|-------|----------|--------------|-----------|------------|
| 10/12 | J. PELTO | D.J. WILMORE | D. GILLEN | M. GILFORD |

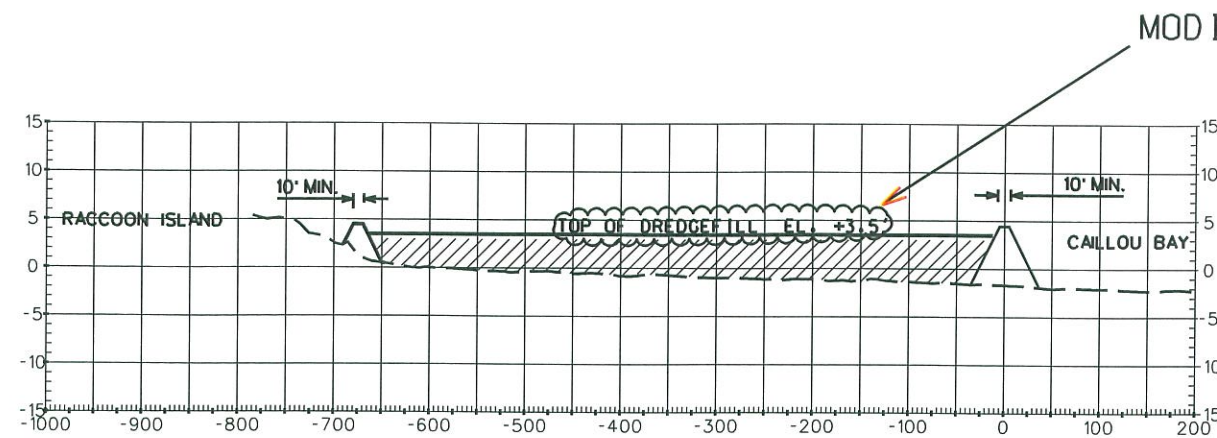


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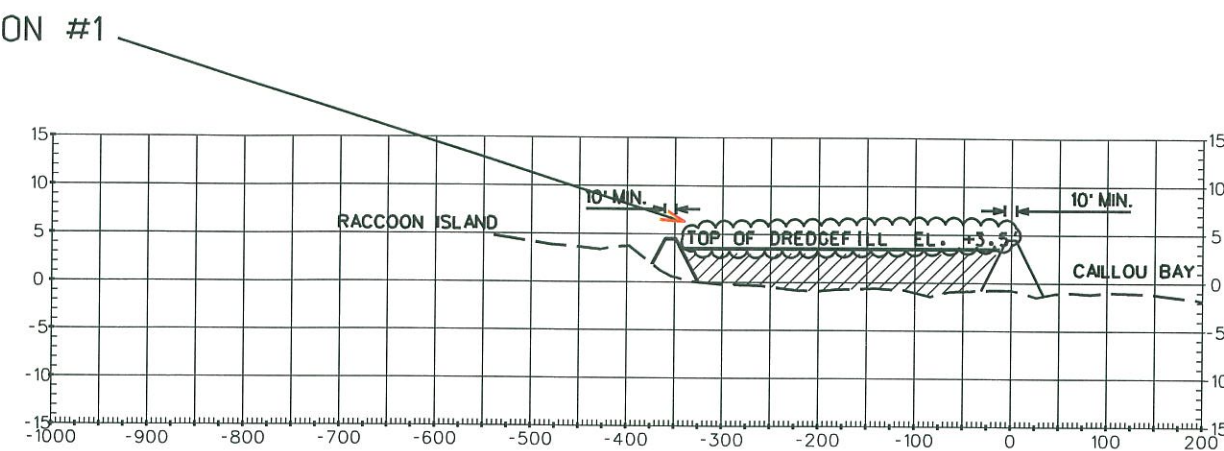
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SHEET 18M1 OF 21

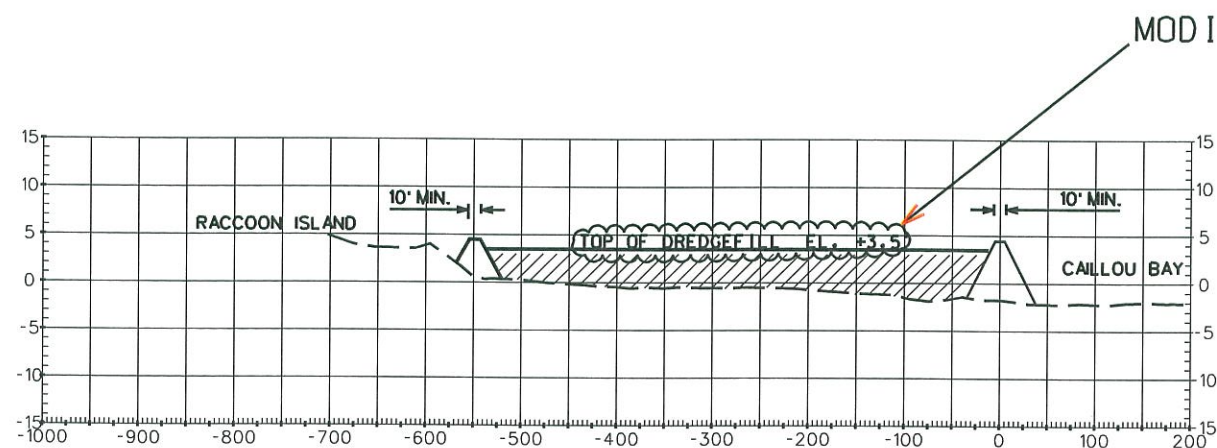




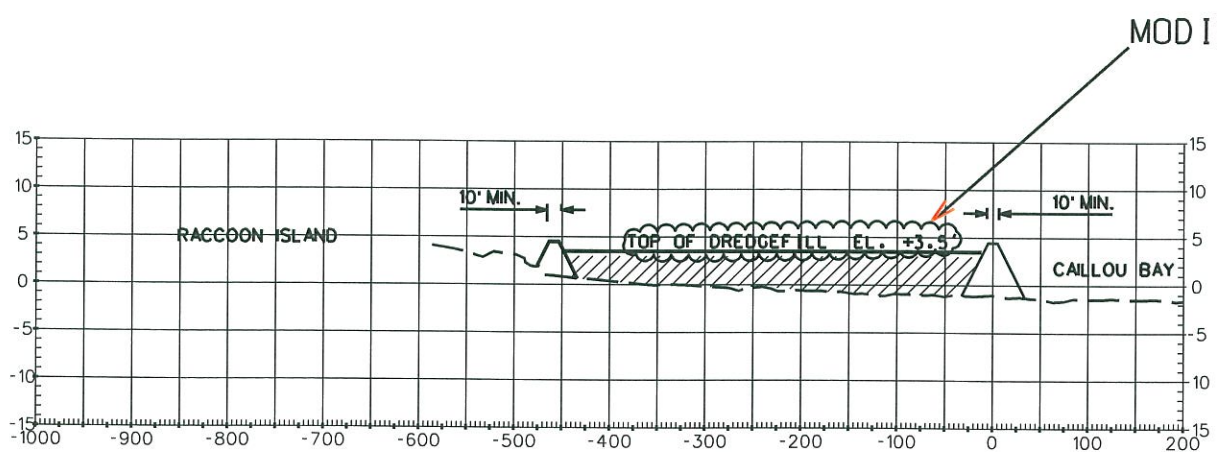
25+00



40+00



30+00



35+00

MODIFICATION #1

MODIFICATION #1

MODIFICATION #1

"AS-BUILT"

MODIFICATION #1 -  
DIKE ALIGNMENT CHANGE

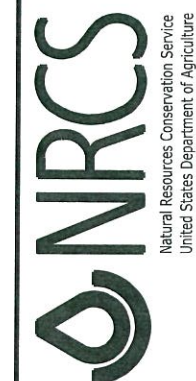
AMENDMENT 2 -  
DIKE DIMENSIONS CHANGE



| REVISIONS |           |          |       |
|-----------|-----------|----------|-------|
| NO.       | DATE      | APPROVED | TITLE |
| A2        | 7/27/2012 | J.P.     | D.E.  |
| M1        | 10/29/12  | J.P.     | D.E.  |

SECTIONS - DREDGE FILL  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

| DATE  | DESIGNED | DRAWN        | CHECKED   | APPROVED   |
|-------|----------|--------------|-----------|------------|
| 10/12 | J. PELTO | D.J. WILMORE | D. GILLEN | M. GILFORD |

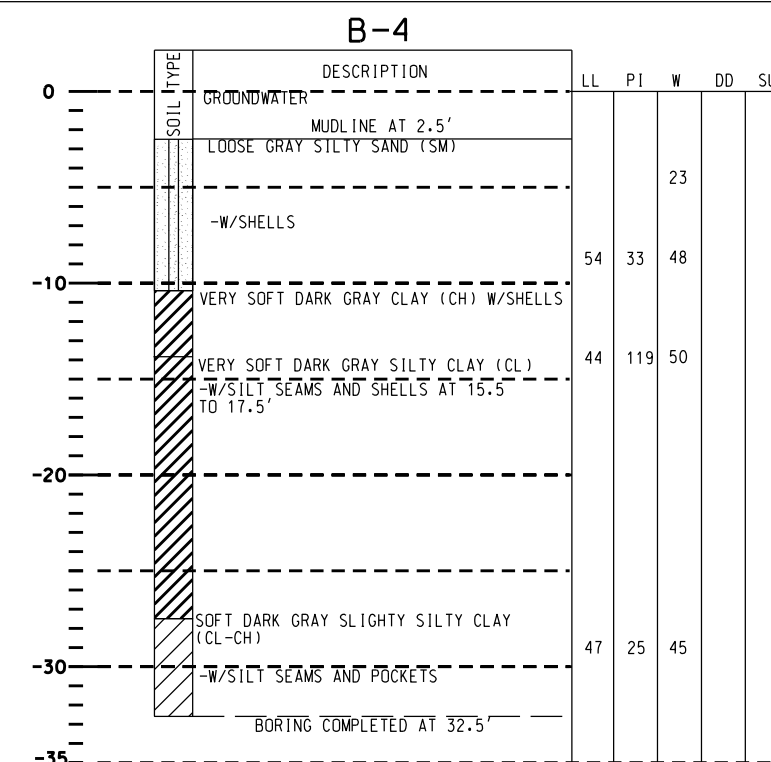
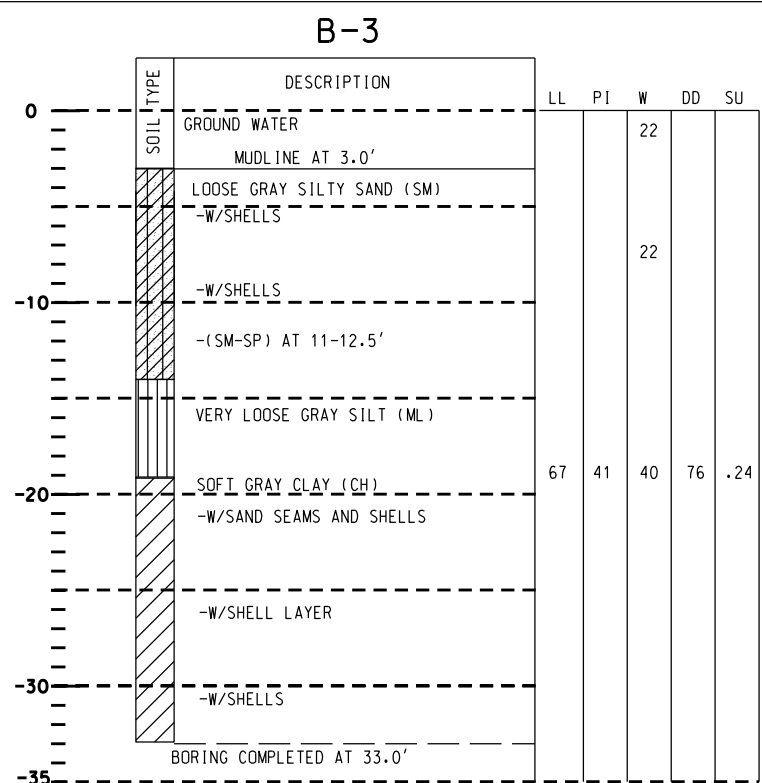
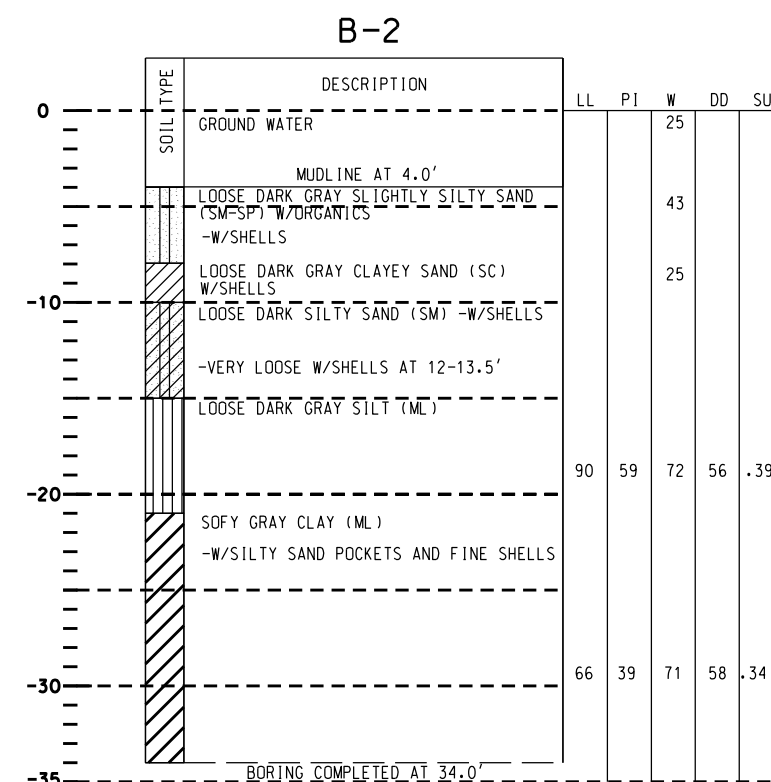
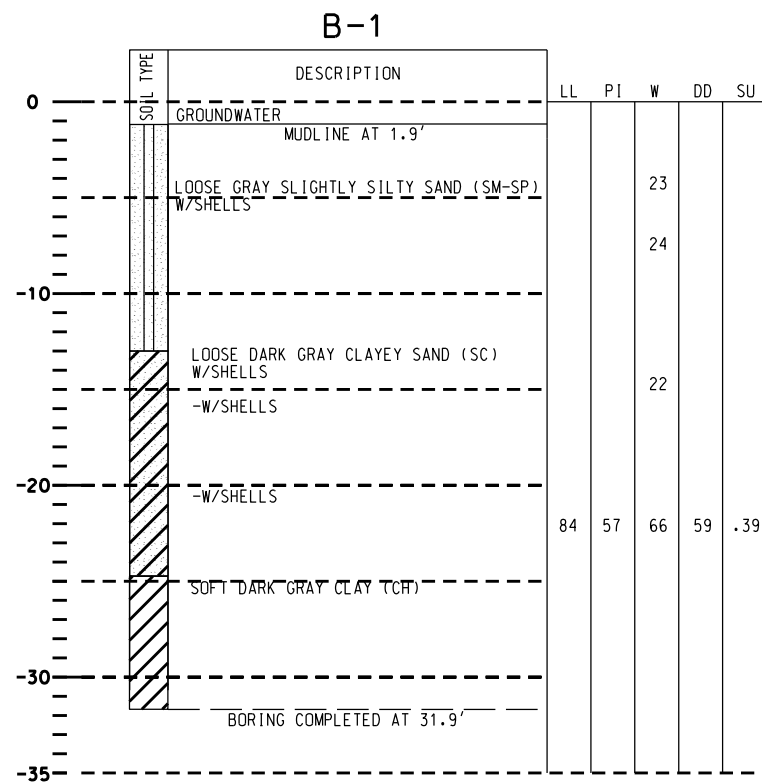


FILE NAME  
LA350

DRAWING NAME  
LA350019M1.DGN

SHEET 19M1 OF 21





| SOIL TYPE                                                                           |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|  | FIRM GRAY SLIGHTLY SILTY SAND (SM-SP) |
|  | VERY SOFT TO SOFT GRAY CLAY (CH)      |
|  | SOFT GRAY CLAY (CH)                   |
|  | LOOSE GRAY SILTY SAND (SM)            |
|  | VERY LOOSE GRAY SILT (ML)             |

SOIL BORING LOGS-B1 THRU B4  
RACCOON ISLAND (TE-48)

## LEGEND

|    |                                |
|----|--------------------------------|
| LL | LIQUID LIMITS (%)              |
| PL | PLASTICITY LIMIT (%)           |
| W  | WATER CONTENT (%)              |
| DD | DRY DENSITY (pcf)              |
| SU | UNDRAINED SHEAR STRENGTH (ksf) |

## "AS-BUILT"



| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |
|           |      |          |       |

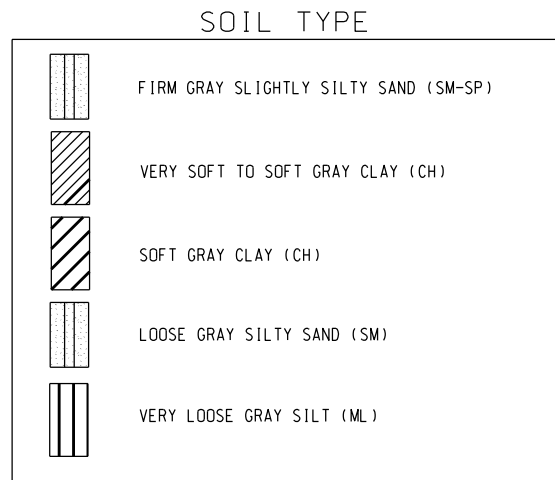
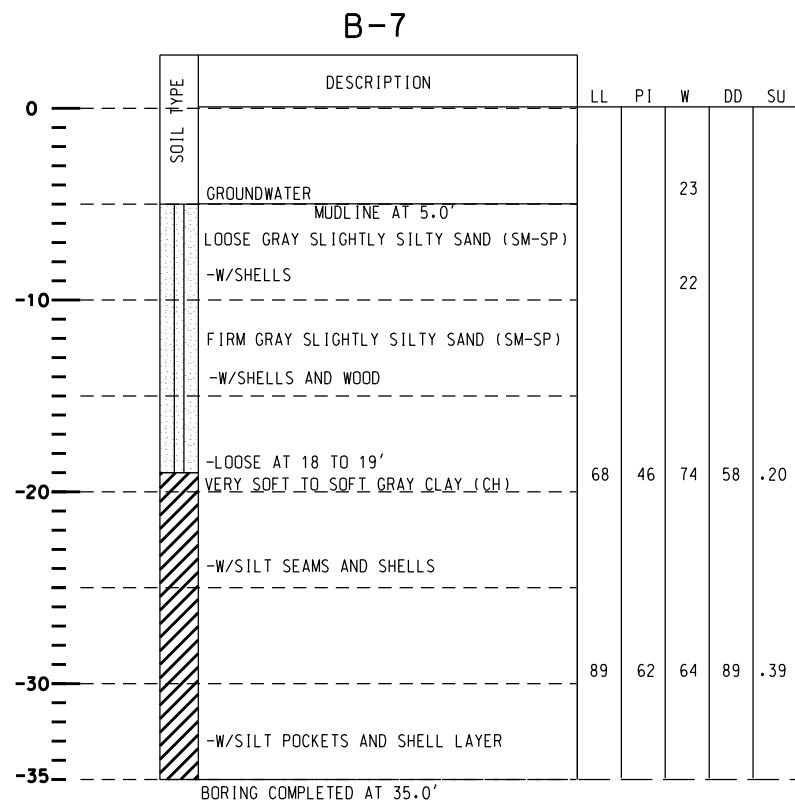
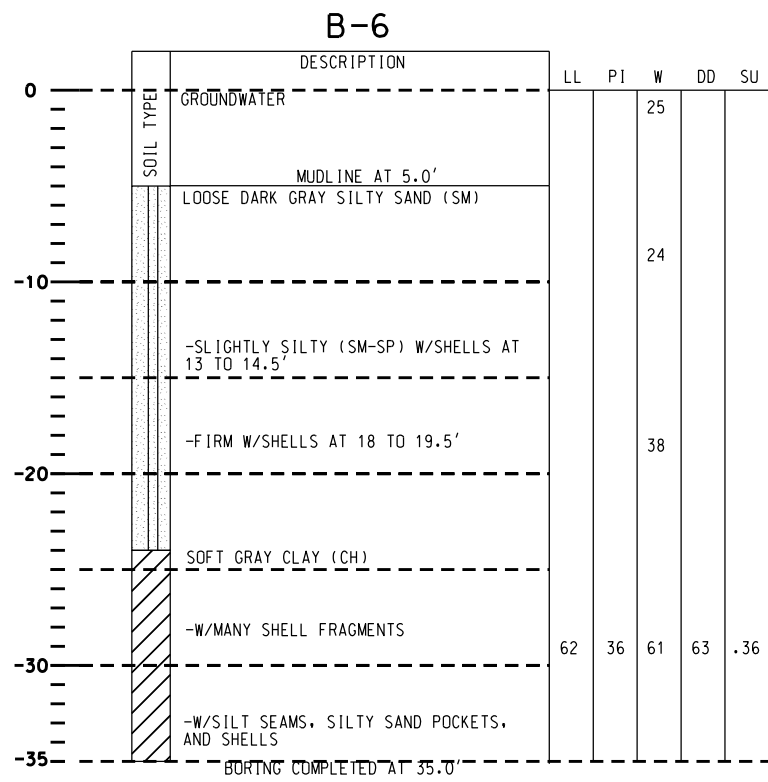
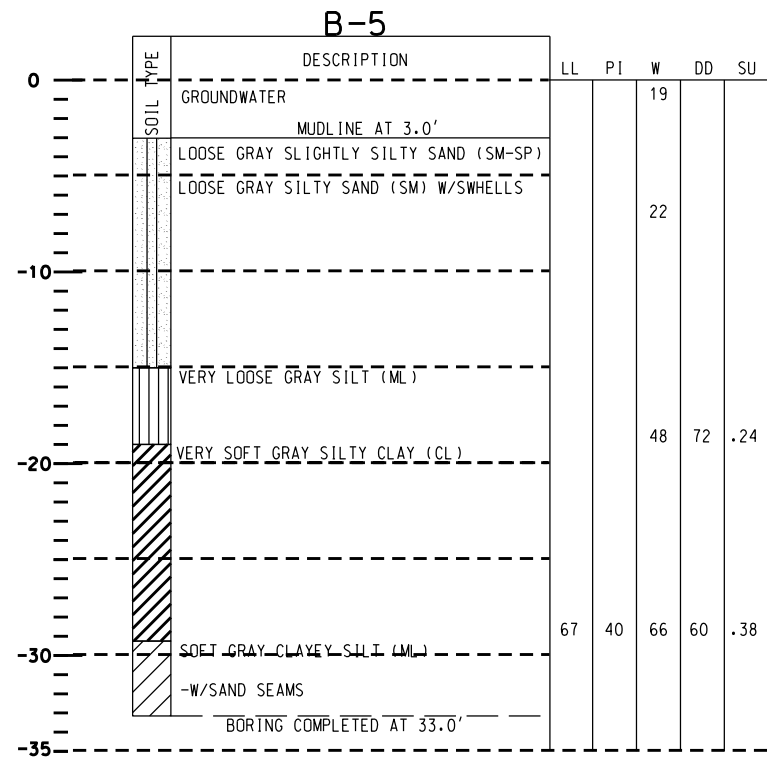
SOIL BORING LOGS - B1 THRU B4  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA



Natural Resources Conservation Service  
United States Department of Agriculture

|                |              |
|----------------|--------------|
| FILE NAME      | LA350        |
| DRAWING NAME   | LA350020.DGN |
| SHEET 20 OF 21 |              |





**LEGEND**

LL LIQUID LIMITS (%)  
PI PLASTICITY LIMIT (%)  
W WATER CONTENT (%)  
DD DRY DENSITY (pcf)  
SU UNDRAINED SHEAR STRENGTH (ksf)

**"AS-BUILT"**



SOIL BORING LOGS-B5 THRU B7  
RACCOON ISLAND (TE-48)

| REVISIONS |      |          |       |
|-----------|------|----------|-------|
| NO.       | DATE | APPROVED | TITLE |
|           |      |          |       |
|           |      |          |       |

DATE  
1/12  
1/12  
1/12  
1/12

DESIGNED  
J. PELTO

DRAWN  
D.J. WILMORE

CHECKED  
D. GILLEN

APPROVED  
B. PAUL

SOIL BORING LOGS - B5 THRU B7  
RACCOON ISLAND (TE-48)  
PHASE B - MARSH CREATION PROJECT  
TERREBONNE PARISH, LOUISIANA

Natural Resources Conservation Service  
United States Department of Agriculture

FILE NAME  
LA350

DRAWING NAME  
LA350021.DGN

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