

# CONSTRUCTION PLANS FOR: EMERGENCY SPILLWAY MODIFICATIONS

## MANATEE COUNTY, FLORIDA

AMEC PROJECT NUMBER: 300472x4



S I T E   L O C A T I O N   M A P

**PLANS PREPARED FOR:**



Carollo Engineers, Inc.  
401 N. Cattleman Road  
Sarasota, Florida 34232-6441

**PLANS PREPARED BY:**



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**DRAFT PLANS**

DATE: December 8, 2017

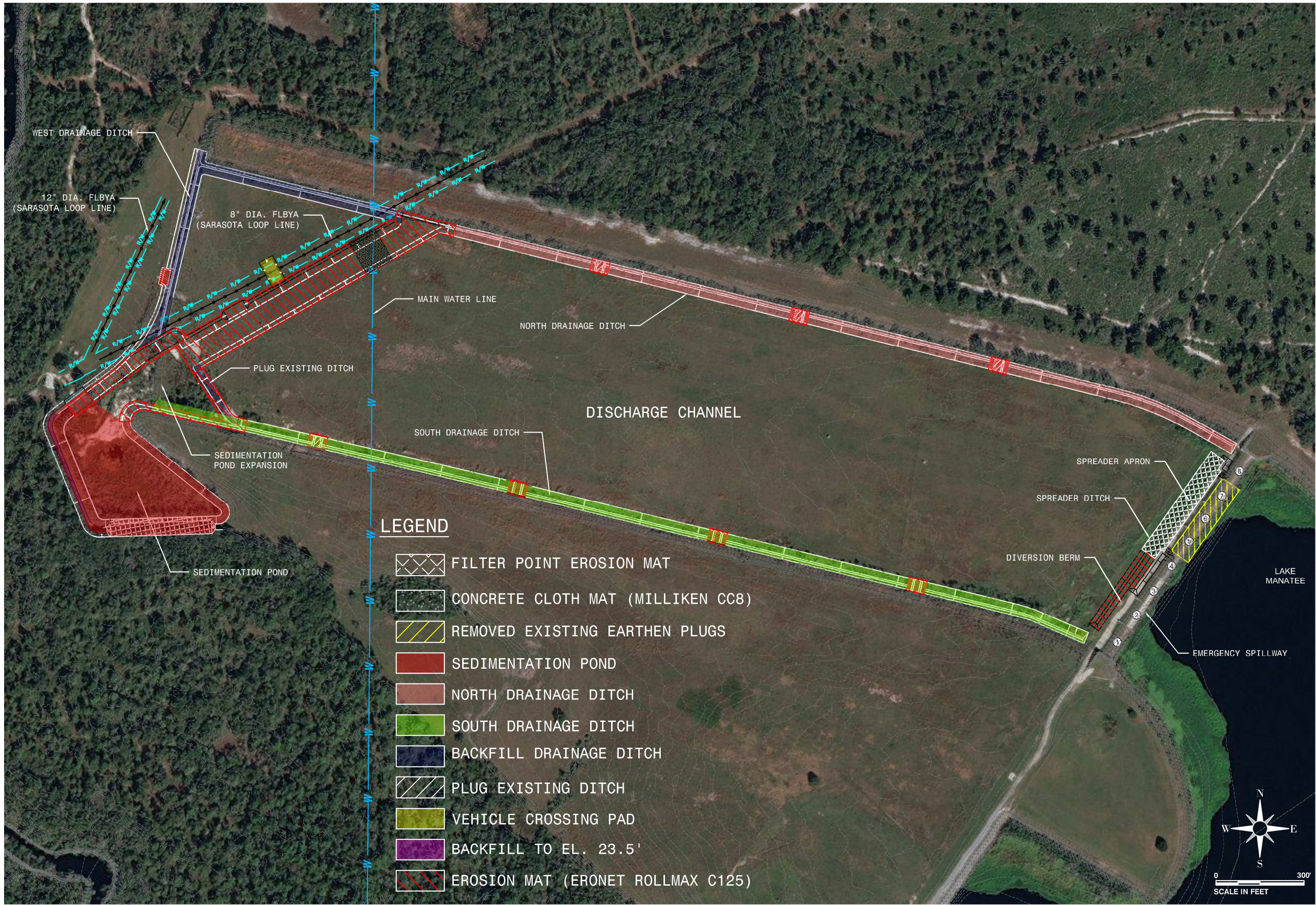
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ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN  
REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN  
OBTAINING SCALED DATA.



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LAKE MANATEE RESERVOIR  
MANATEE COUNTY UTILITIES DEPARTMENT

EMERGENCY SPILLWAY MODIFICATIONS  
EMERGENCY SPILLWAY SITE MAP  
MANATEE COUNTY, FLORIDA

DATE: December 8, 2017

DRAWN BY: M.VIVES

CHECKED BY: M.CHONTID

PROJECT NO.: 300472x4

SHEET: 2

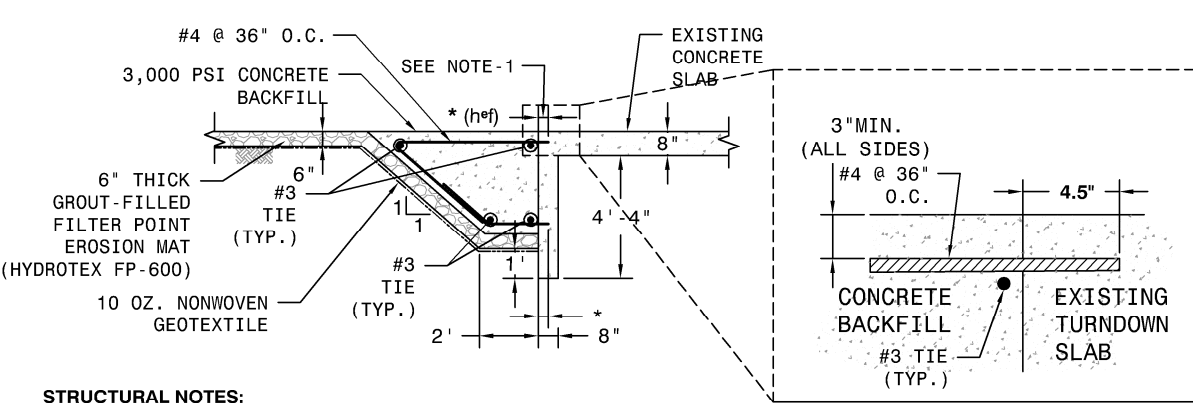
REVISION

NO. DATE



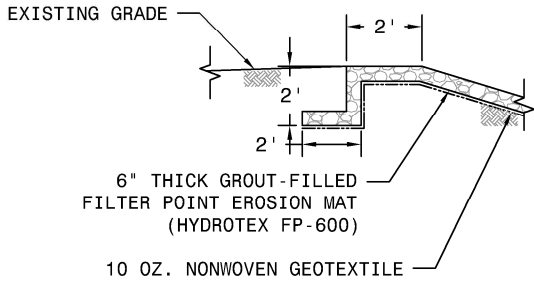




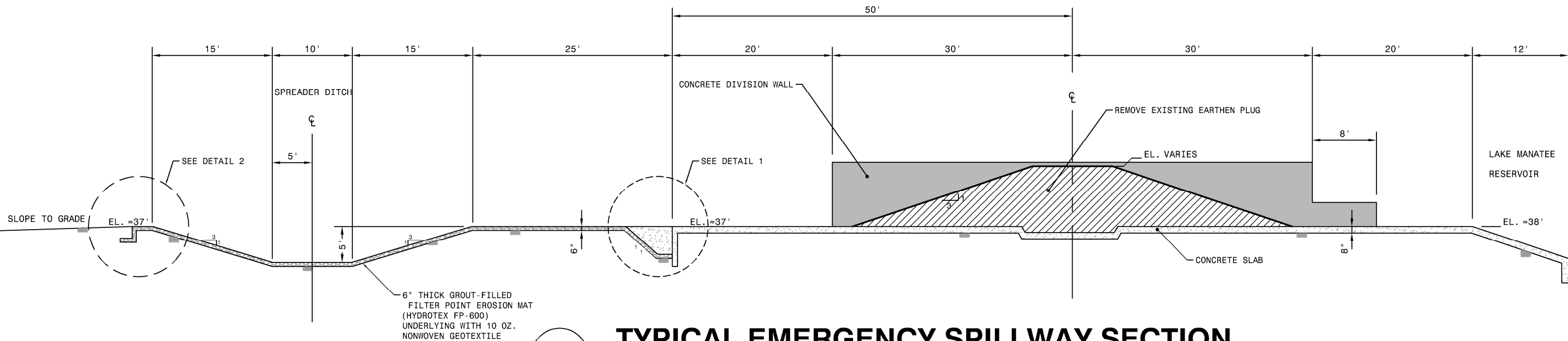


- STRUCTURAL NOTES:**
- 1. INSTALL #4 BAR IN EXISTING 8-INCH SLAB AND TURN-DOWN WITH HILTI HIT-HY 200 ADHESIVE ANCHOR AT 4 1/2-INCH EMBEDMENT. INSTALL PER MANUFACTURER SPECIFICATIONS.
  - 2. REINFORCED CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI 318-14
  - 3. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 3000 PSI AT 28 DAYS.
  - 4. REINFORCING STEEL SHALL BE ASTM A615 GR 60.
  - 5. COORDINATE CONTROL JOINTS WITH EXISTING SLAB-ON-GRADE.
  - 6. TOLERANCES FOR CONCRETE AND EMBEDMENTS SHALL COMPLY WITH ACI 117.
  - 7. REINFORCING STEEL LAPPING AND BEND RADIUS IN ACCORDANCE WITH ACI-318-14.
  - 8. MINIMUM CONCRETE CLEAR COVER SHALL BE AS FOLLOWS: CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH-3 INCH, CONCRETE EXPOSED TO WEATHER-2 INCH.

**1 TYPICAL ANCHOR DETAILS**  
NOT TO SCALE



**2 TYPICAL ANCHOR DETAIL**  
NOT TO SCALE



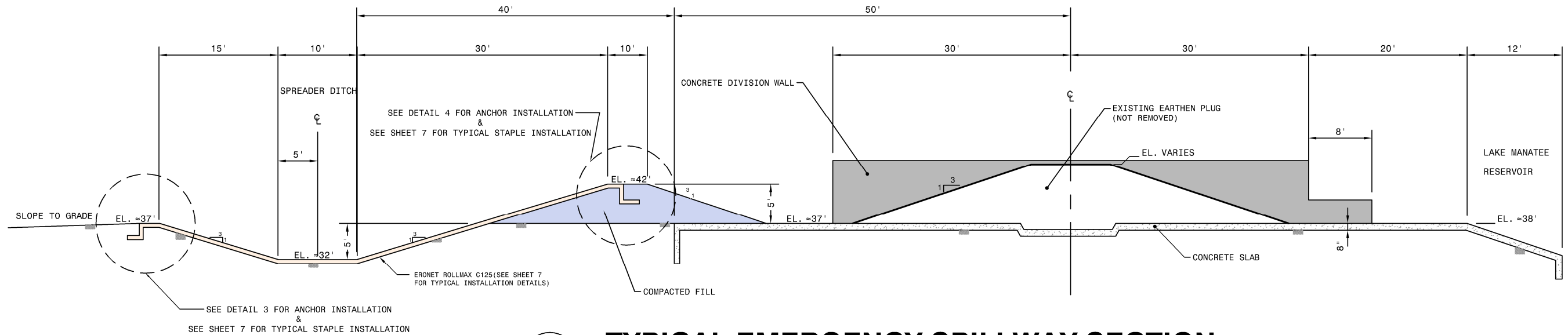
**A TYPICAL EMERGENCY SPILLWAY SECTION**  
NOT TO SCALE

  
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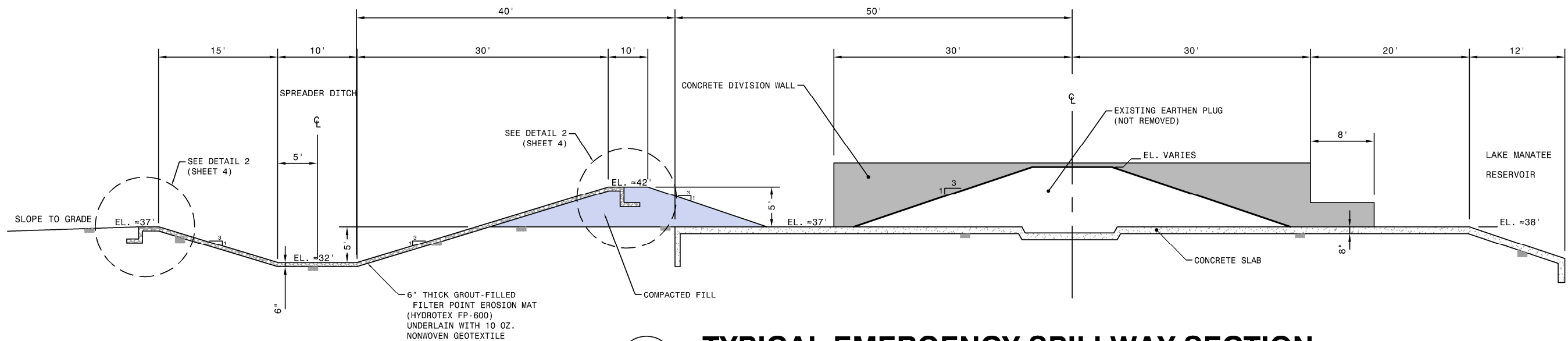
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**MANATEE COUNTY UTILITIES DEPARTMENT**  
**EMERGENCY SPILLWAY MODIFICATIONS**  
**EMERGENCY SPILLWAY CROSS SECTION A & DETAILS**  
**MANATEE COUNTY, FLORIDA**

DATE: December 8, 2017  
DRAWN BY: M.VIVES  
CHECKED BY: M.CHOMTID  
PROJECT NO.: 300472X4

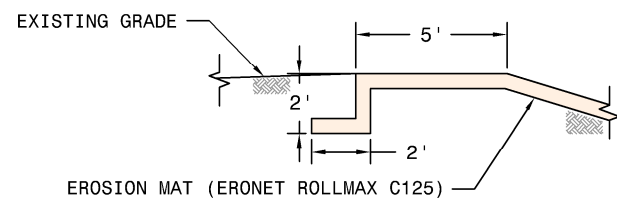




**C** **TYPICAL EMERGENCY SPILLWAY SECTION**  
NOT TO SCALE

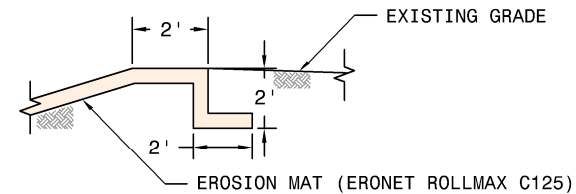


**B** **TYPICAL EMERGENCY SPILLWAY SECTION**  
NOT TO SCALE



**3** **TYPICAL ANCHOR DETAIL**  
NOT TO SCALE

NOTE:  
STAKE EROSION MAT IN ANCHOR TRENCH  
PER MANUFACTURER'S RECOMMENDATIONS  
(TYPICAL)



**4** **TYPICAL ANCHOR DETAIL**  
NOT TO SCALE

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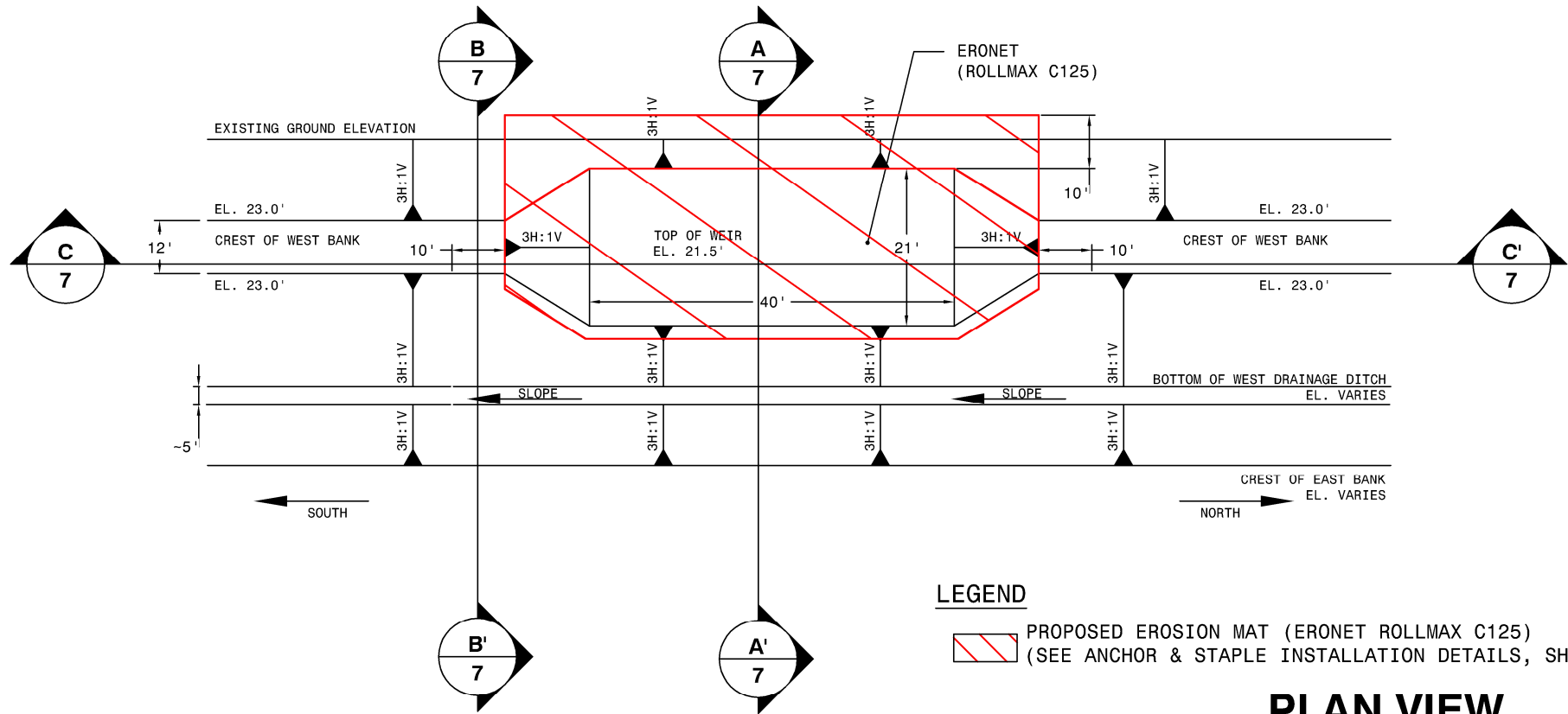
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EMERGENCY SPILLWAY MODIFICATIONS  
EMERGENCY SPILLWAY CROSS SECTIONS B, C & DETAILS  
MANATEE COUNTY, FLORIDA

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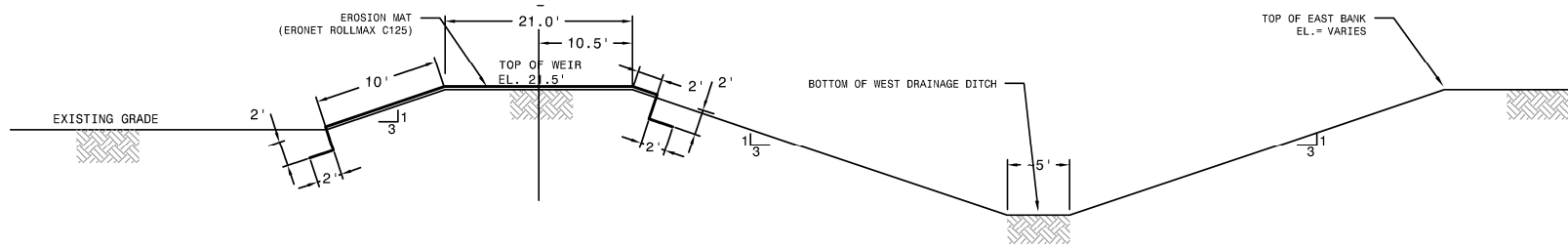




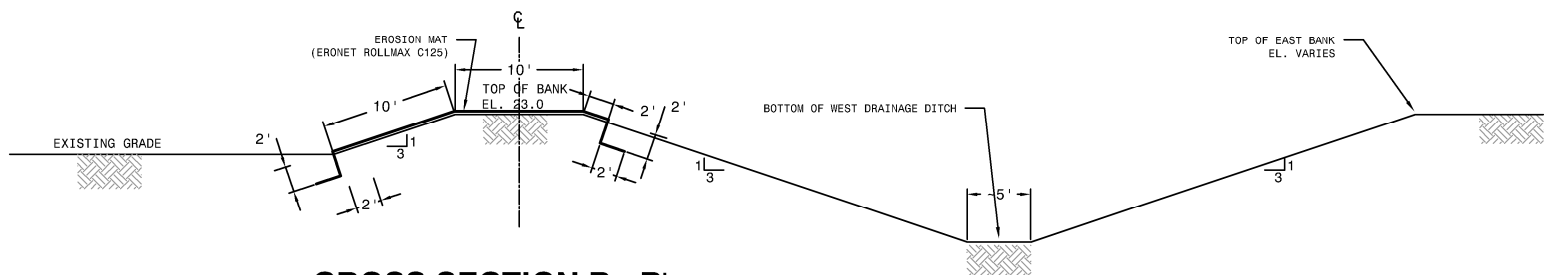
**LEGEND**

 PROPOSED EROSION MAT (ERONET ROLLMAX C125)  
(SEE ANCHOR & STAPLE INSTALLATION DETAILS, SHEET 7)

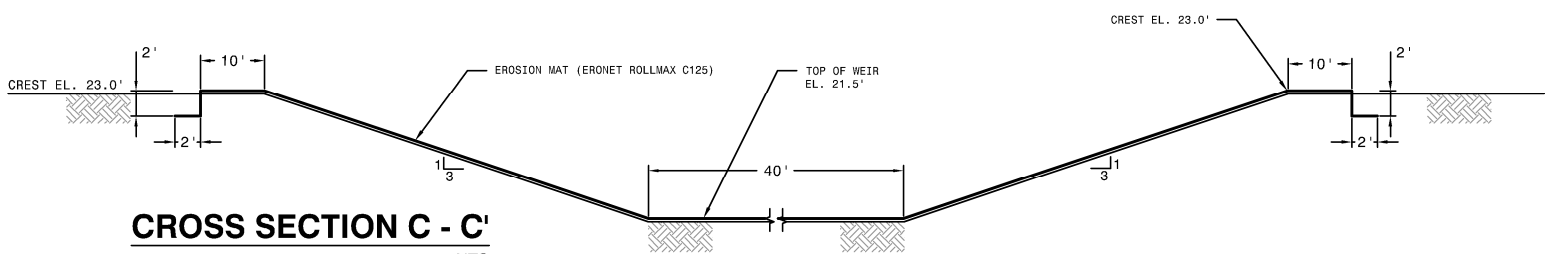
**PLAN VIEW**  
NTS



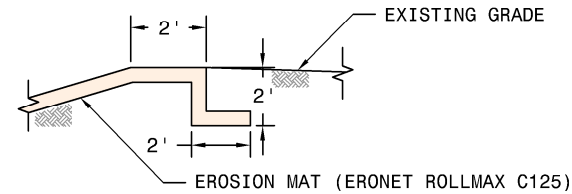
**CROSS SECTION A - A'**  
NTS



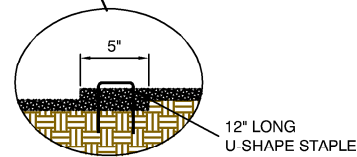
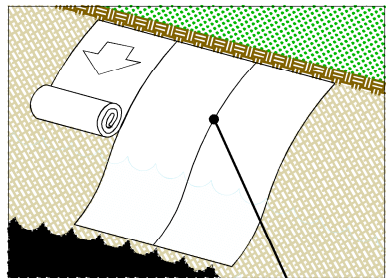
**CROSS SECTION B - B'**  
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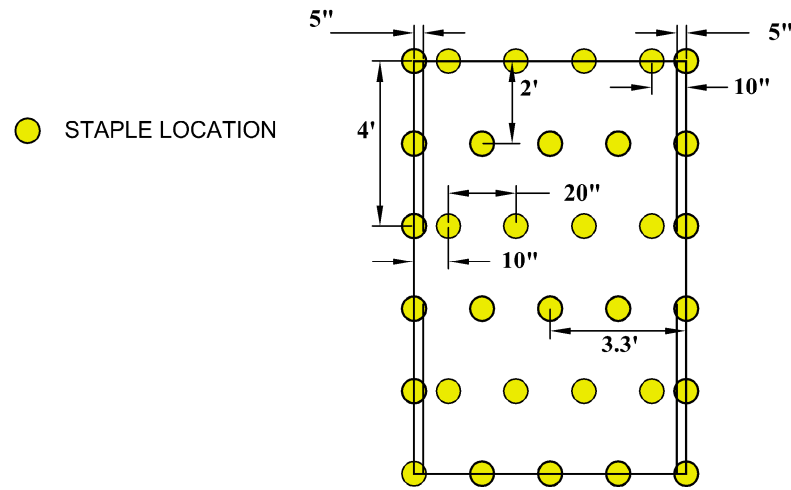
**CROSS SECTION C - C'**  
NTS



**TYPICAL ANCHOR  
INSTALLATION DETAIL**



**TYPICAL EROSION MAT  
INSTALLATION DETAIL**



**TYPICAL EROSION MAT  
STAPLE DETAIL**

  
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**EMERGENCY SPILLWAY MODIFICATIONS  
WEST DISCHARGE WEIR PLAN, SECTIONS & DETAILS  
MANATEE COUNTY, FLORIDA**

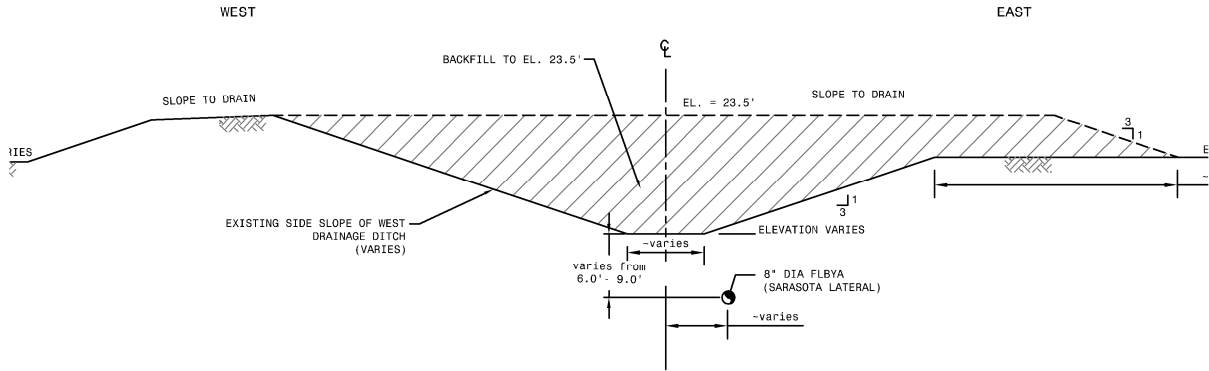
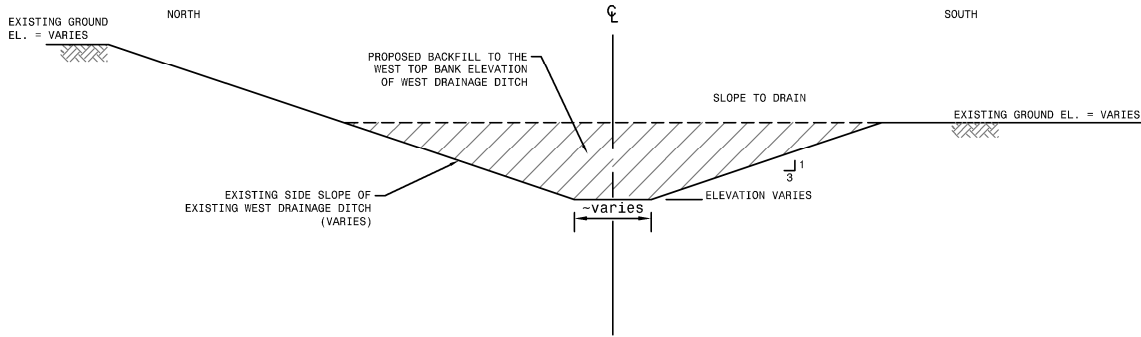
DATE: December 8, 2017  
DRAWN BY: M.VIVES  
CHECKED BY: M.CHOMTID  
PROJECT NO.: 300472x4

SHEET: 7





PROPOSED NORTH DRAINAGE DITCH BACKFILL



A TYPICAL NORTH DRAINAGE DITCH BACKFILL NOT TO SCALE

B TYPICAL NORTH DRAINAGE DITCH BACKFILL OVER 8"-DIA. FLBYA NOT TO SCALE

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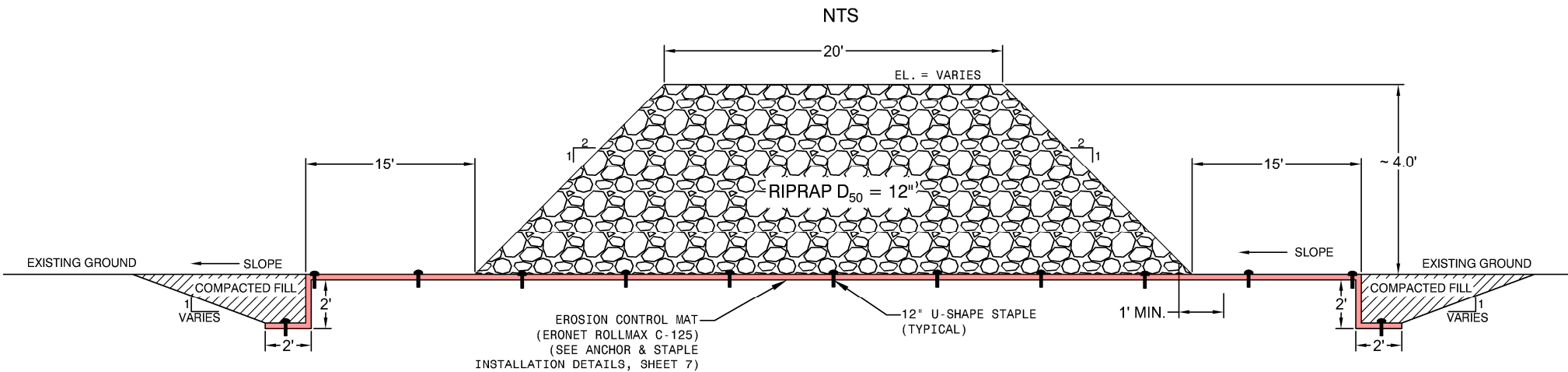
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MANATEE COUNTY UTILITIES DEPARTMENT  
EMERGENCY SPILLWAY MODIFICATION  
DRAINAGE DITCH BLOCK LOCATION PLAN  
MANATEE COUNTY, FLORIDA

DATE: December 8, 2017  
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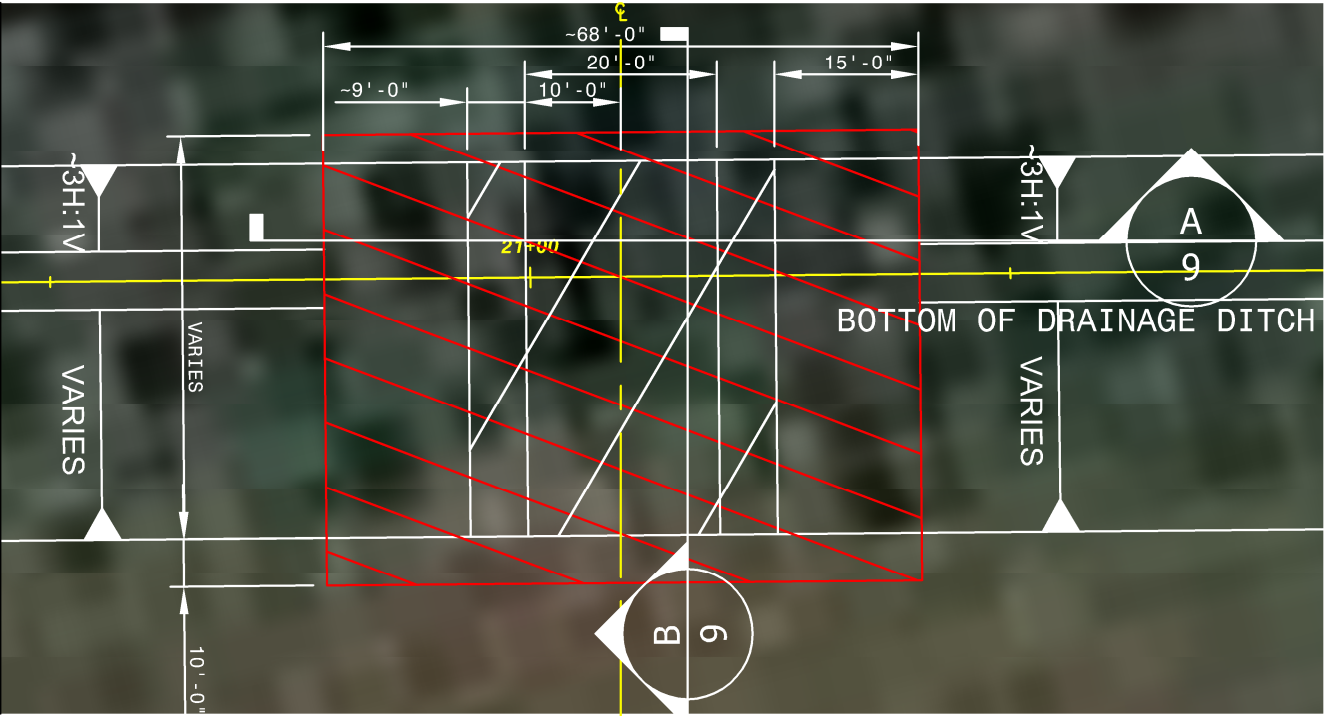
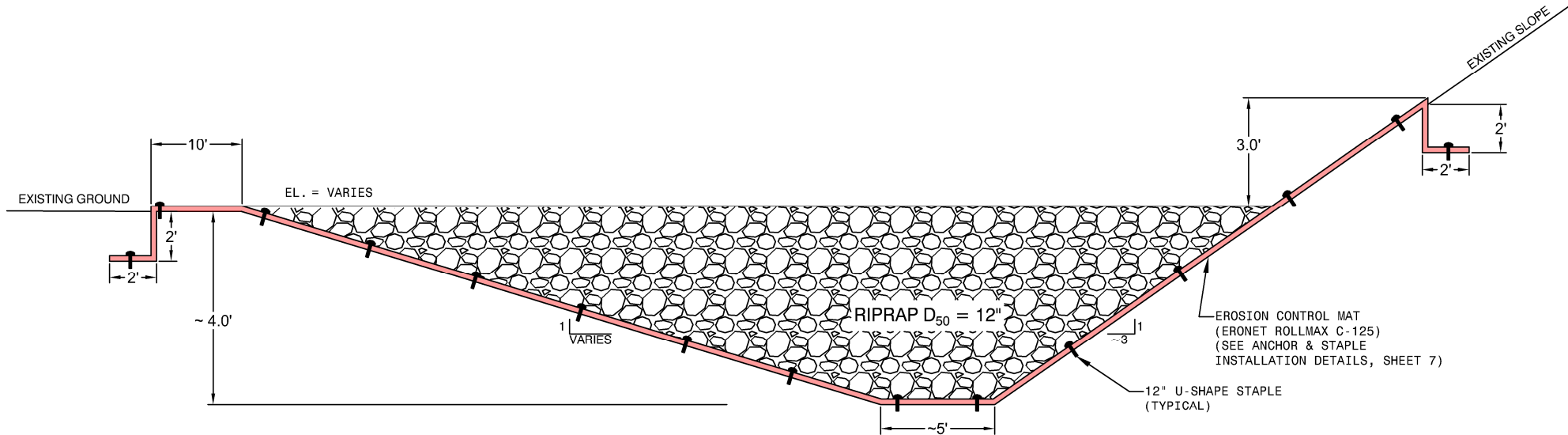


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CROSS SECTION A  
NTS



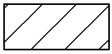
CROSS SECTION B  
NTS



LEGEND



EROSION CONTROL MAT (ERONET ROLLMAX C-125)  
(SEE ANCHOR & STAPLE  
INSTALLATION DETAILS, SHEET 7)



DRAINAGE DITCH BLOCK



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EMERGENCY SPILLWAY MODIFICATION  
TYPICAL DRAINAGE BLOCK PLAN SECTION  
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