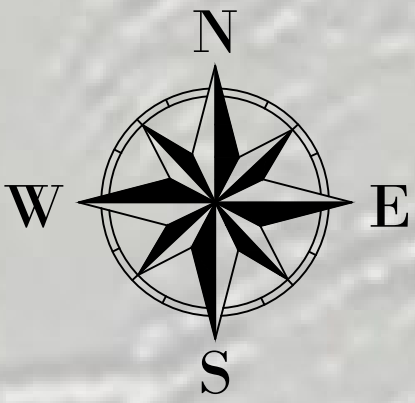
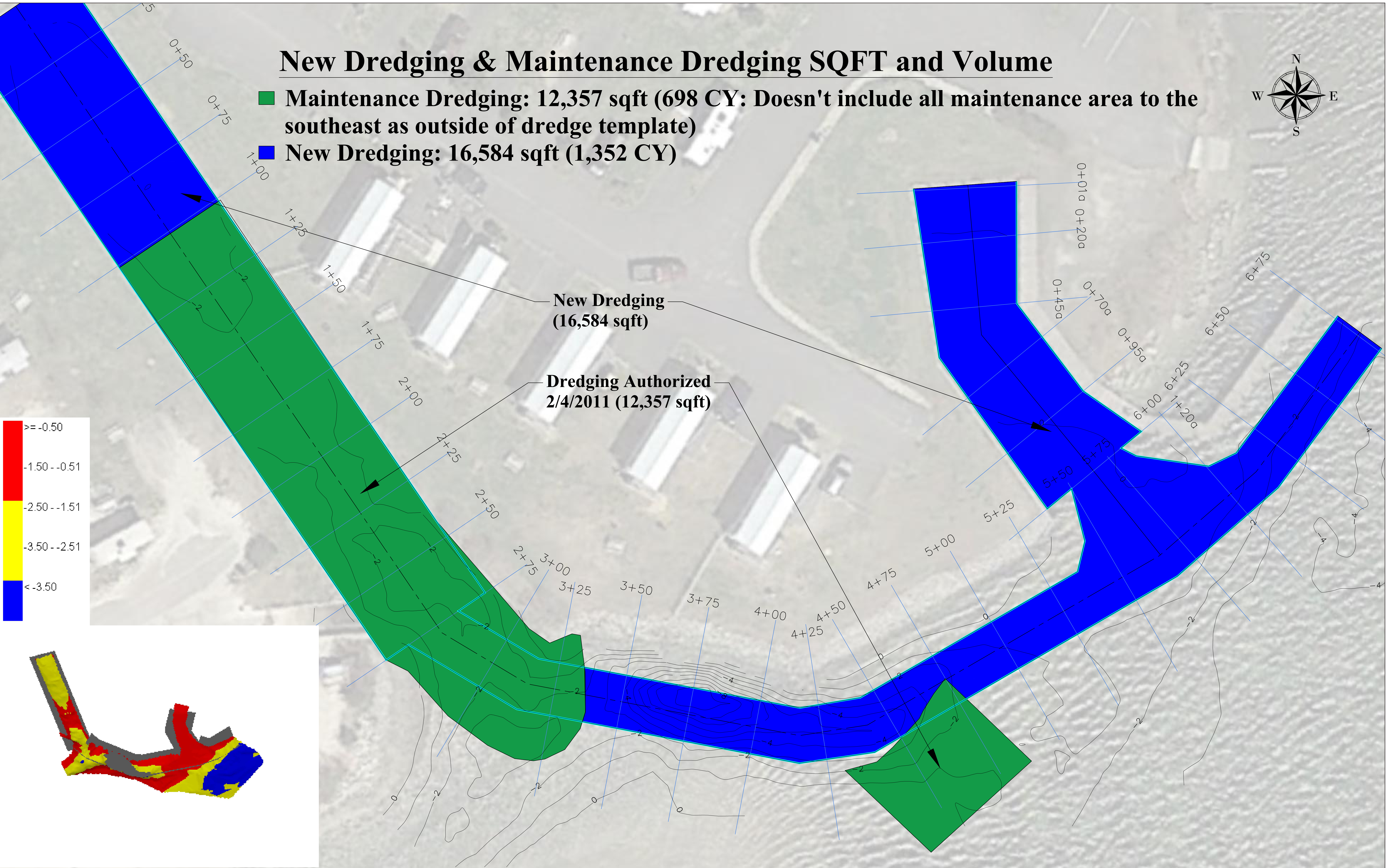


# New Dredging & Maintenance Dredging SQFT and Volume

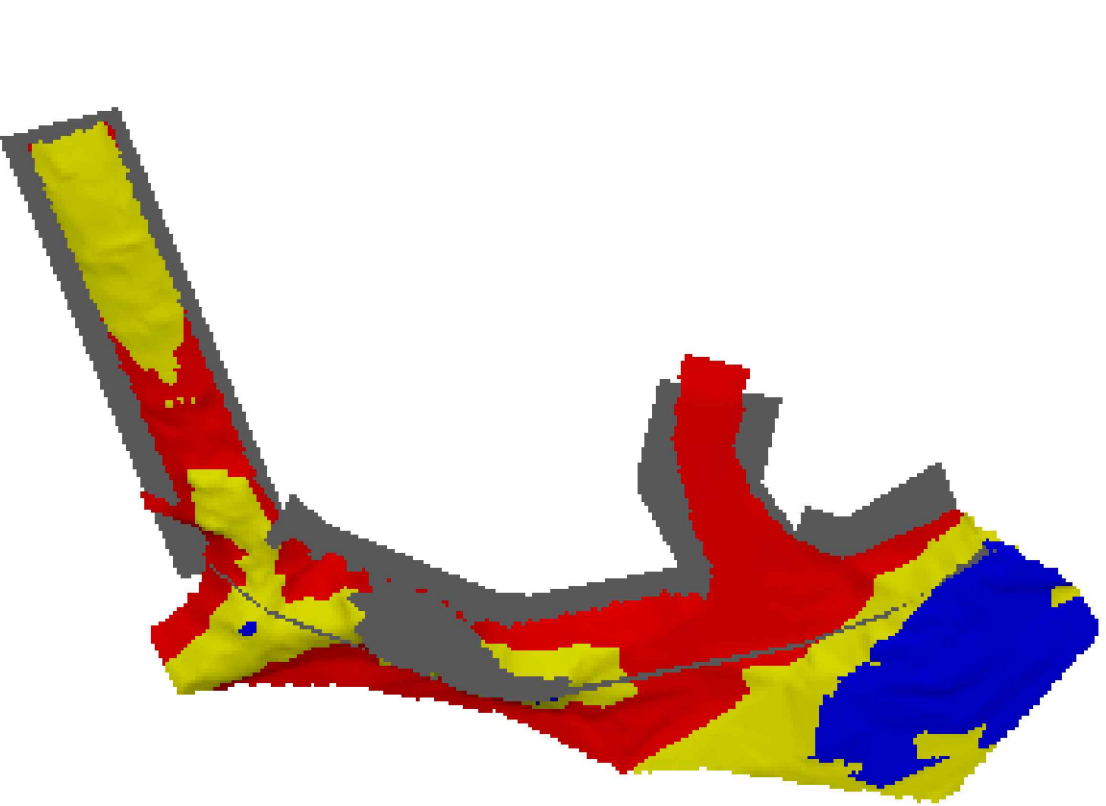


- Maintenance Dredging: 12,357 sqft (698 CY: Doesn't include all maintenance area to the southeast as outside of dredge template)
- New Dredging: 16,584 sqft (1,352 CY)



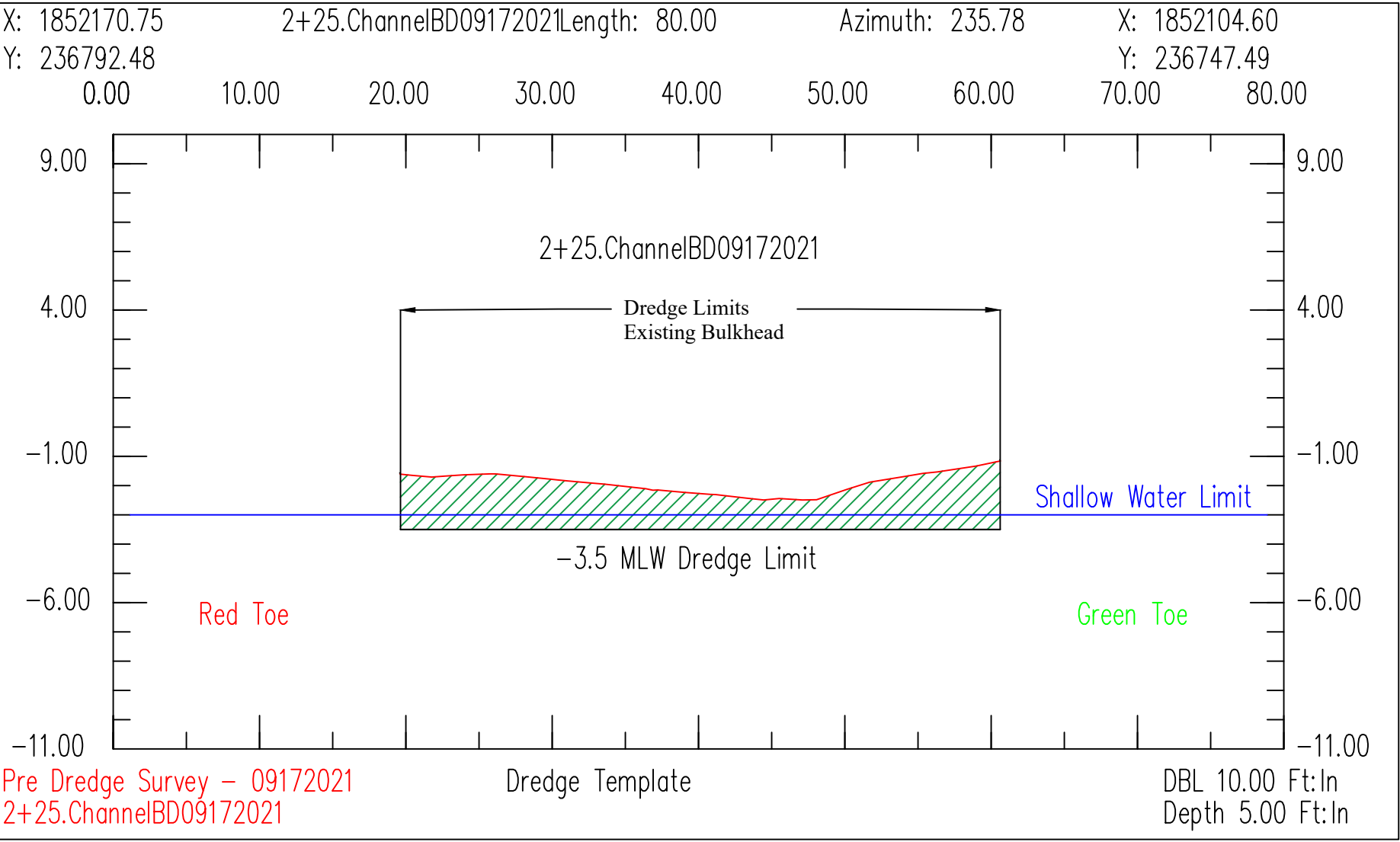
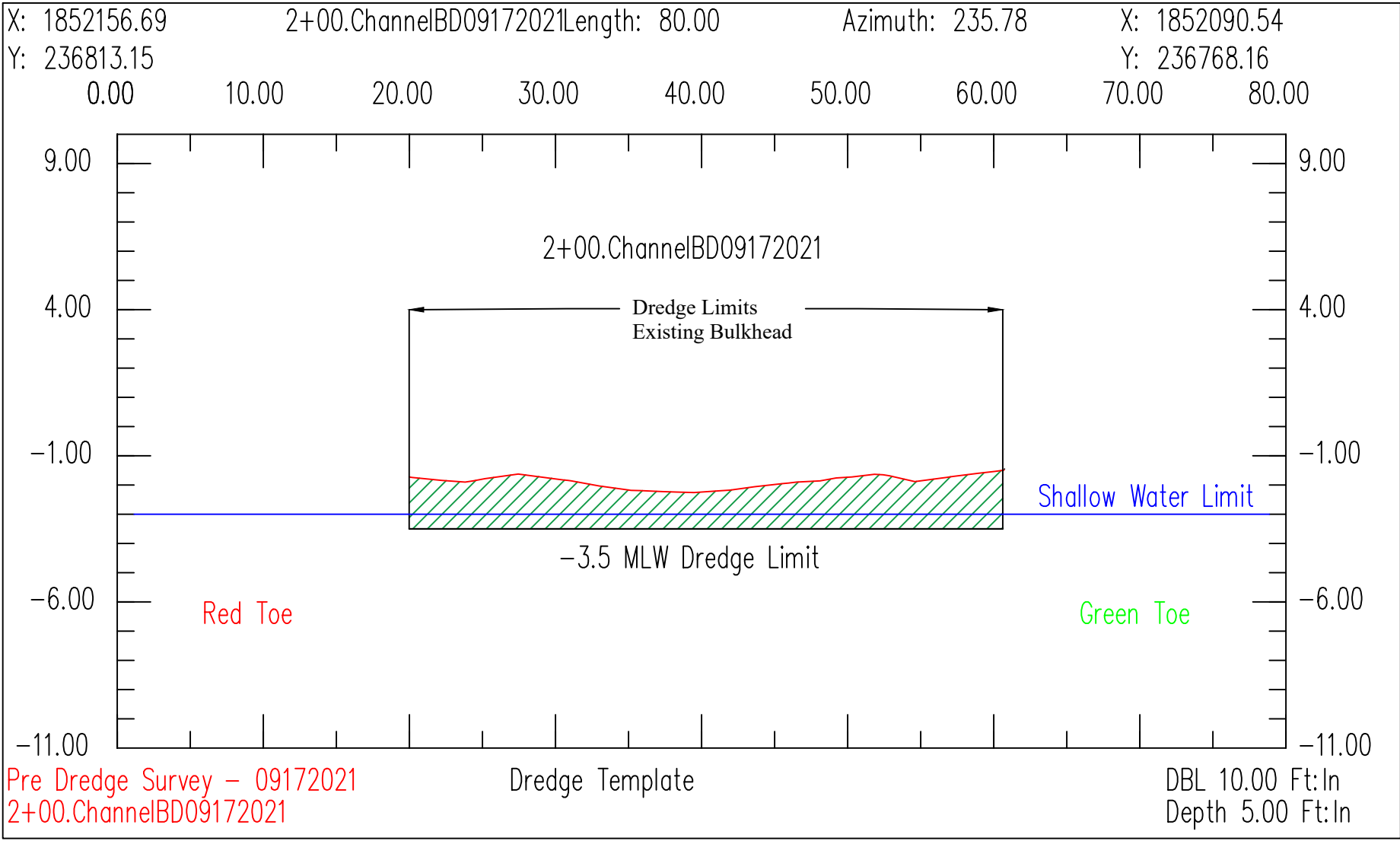
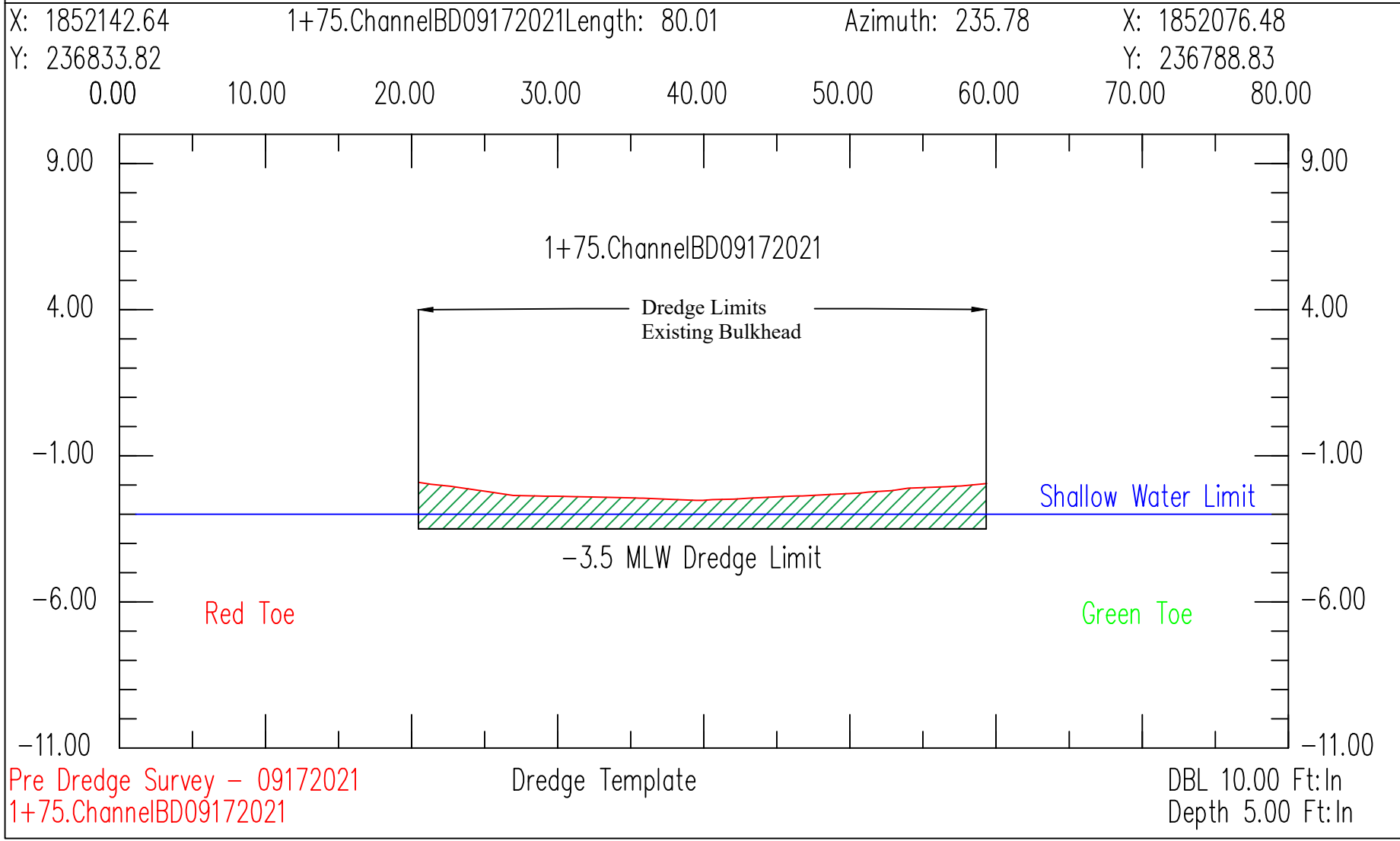
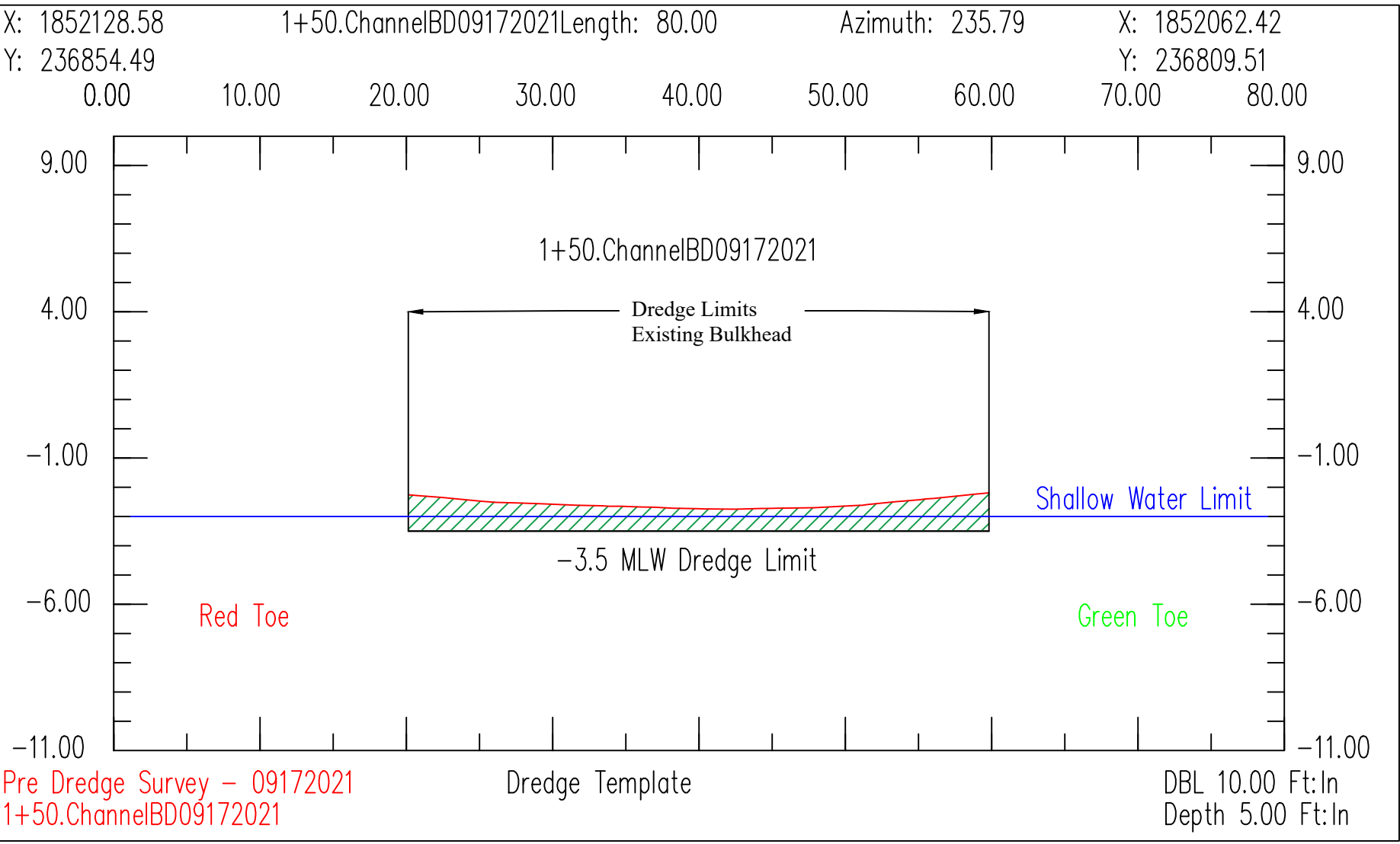
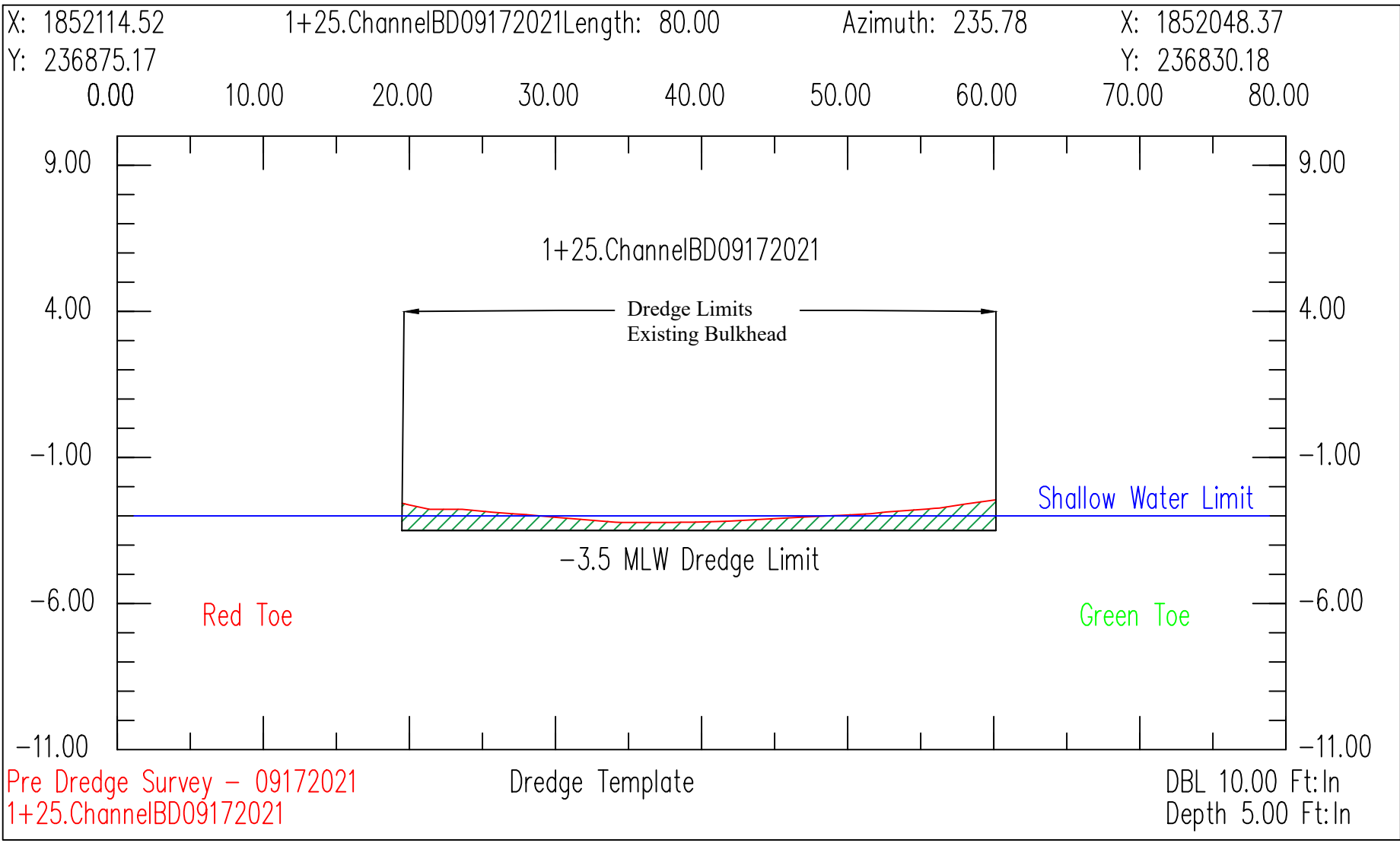
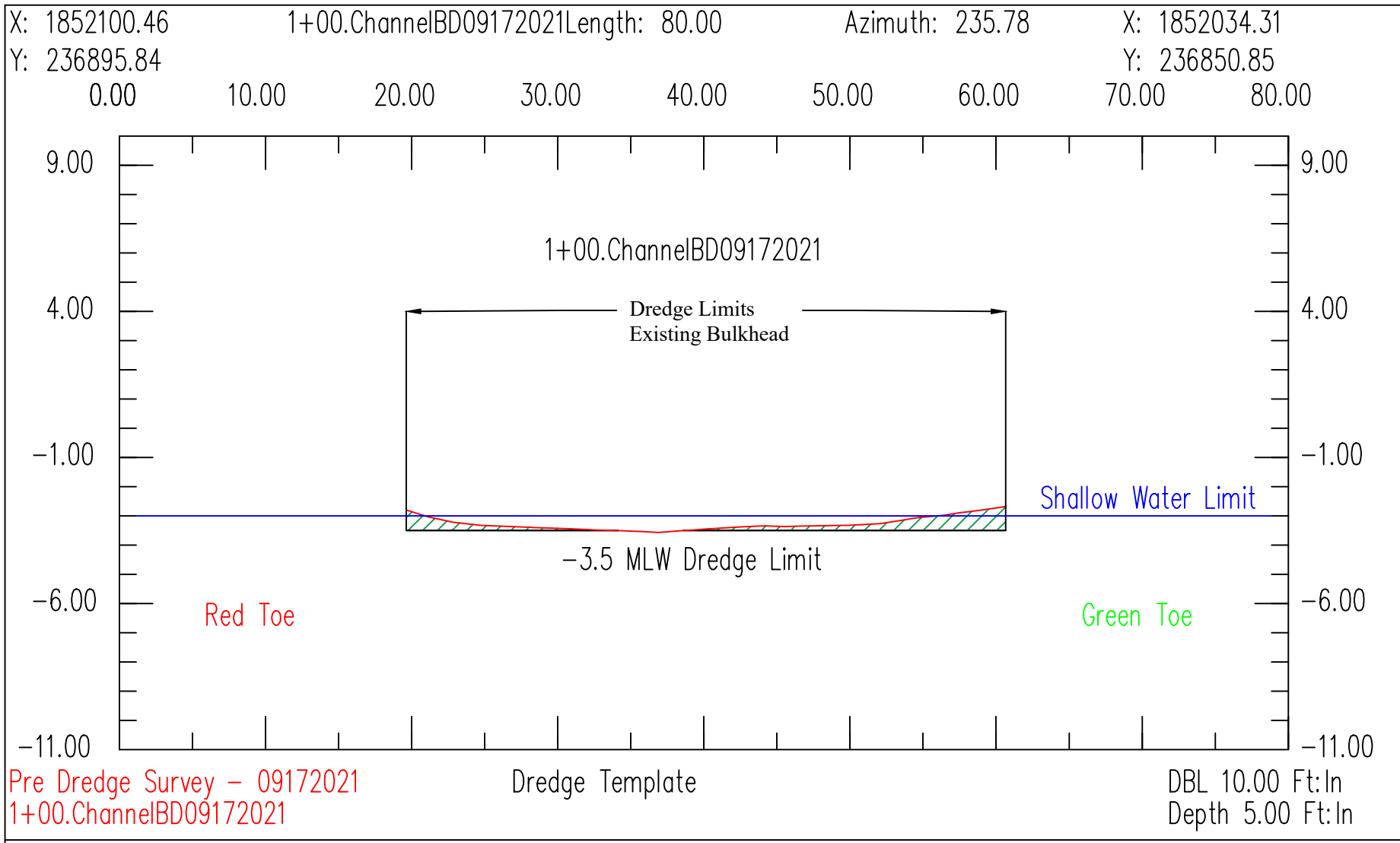
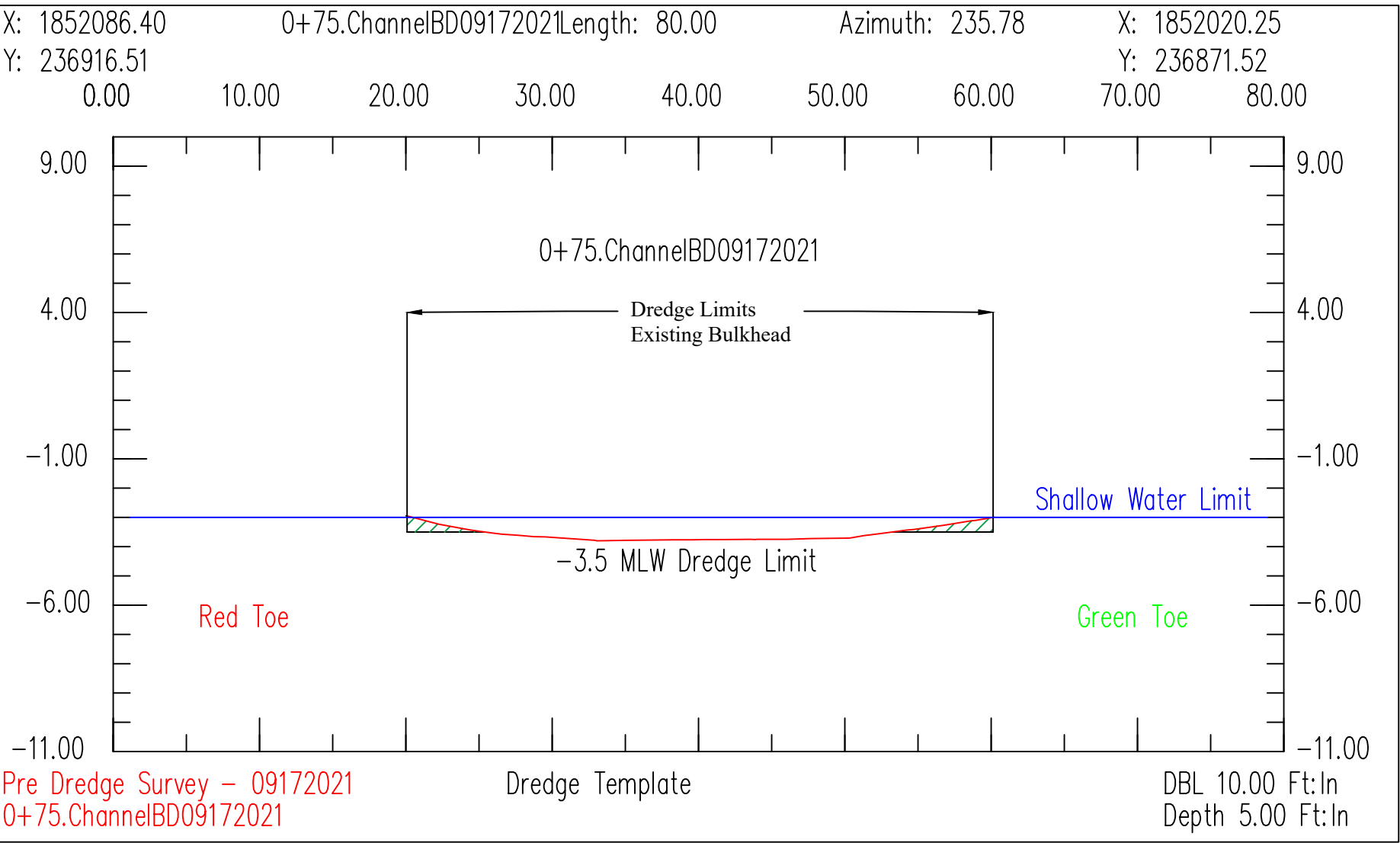
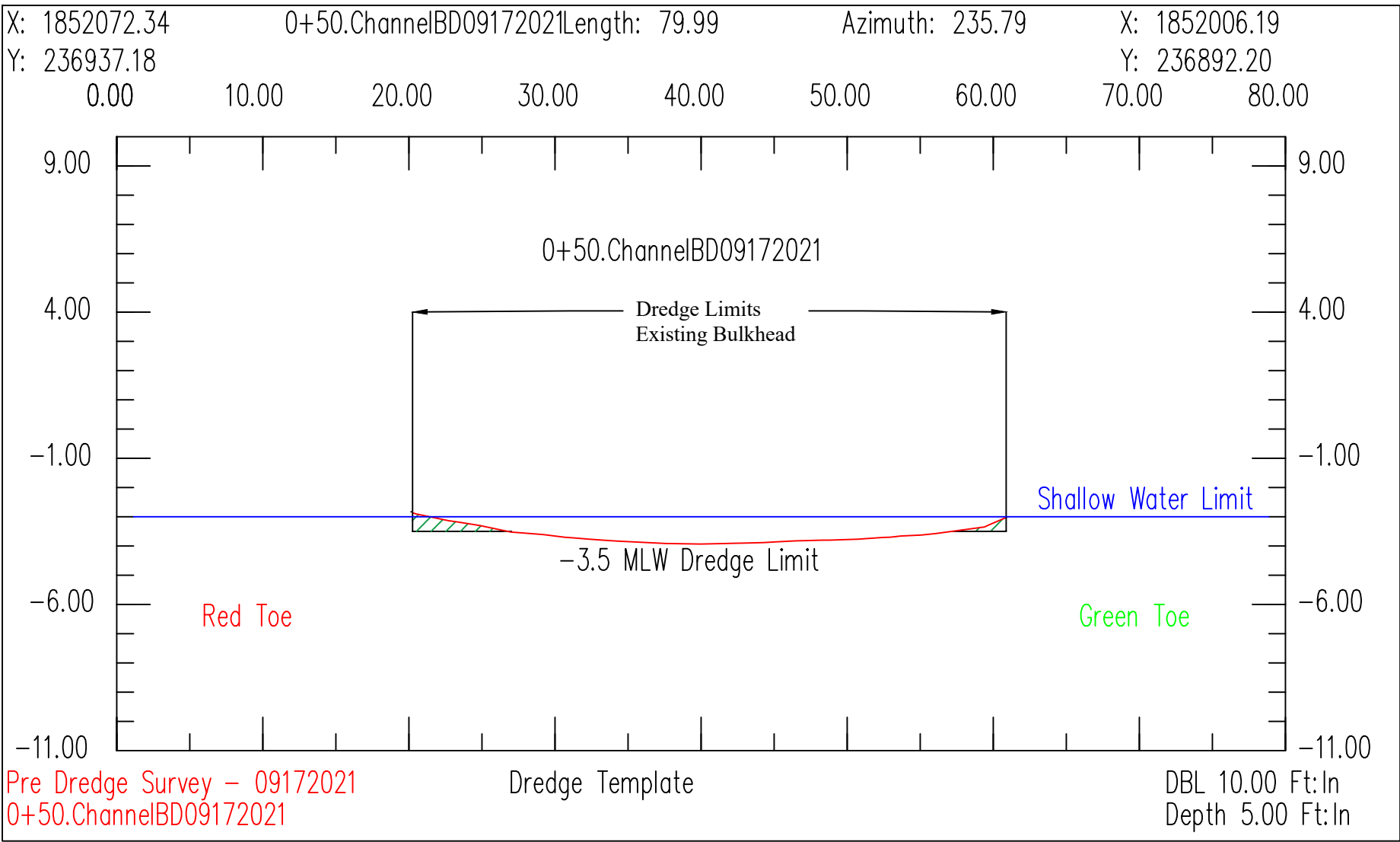
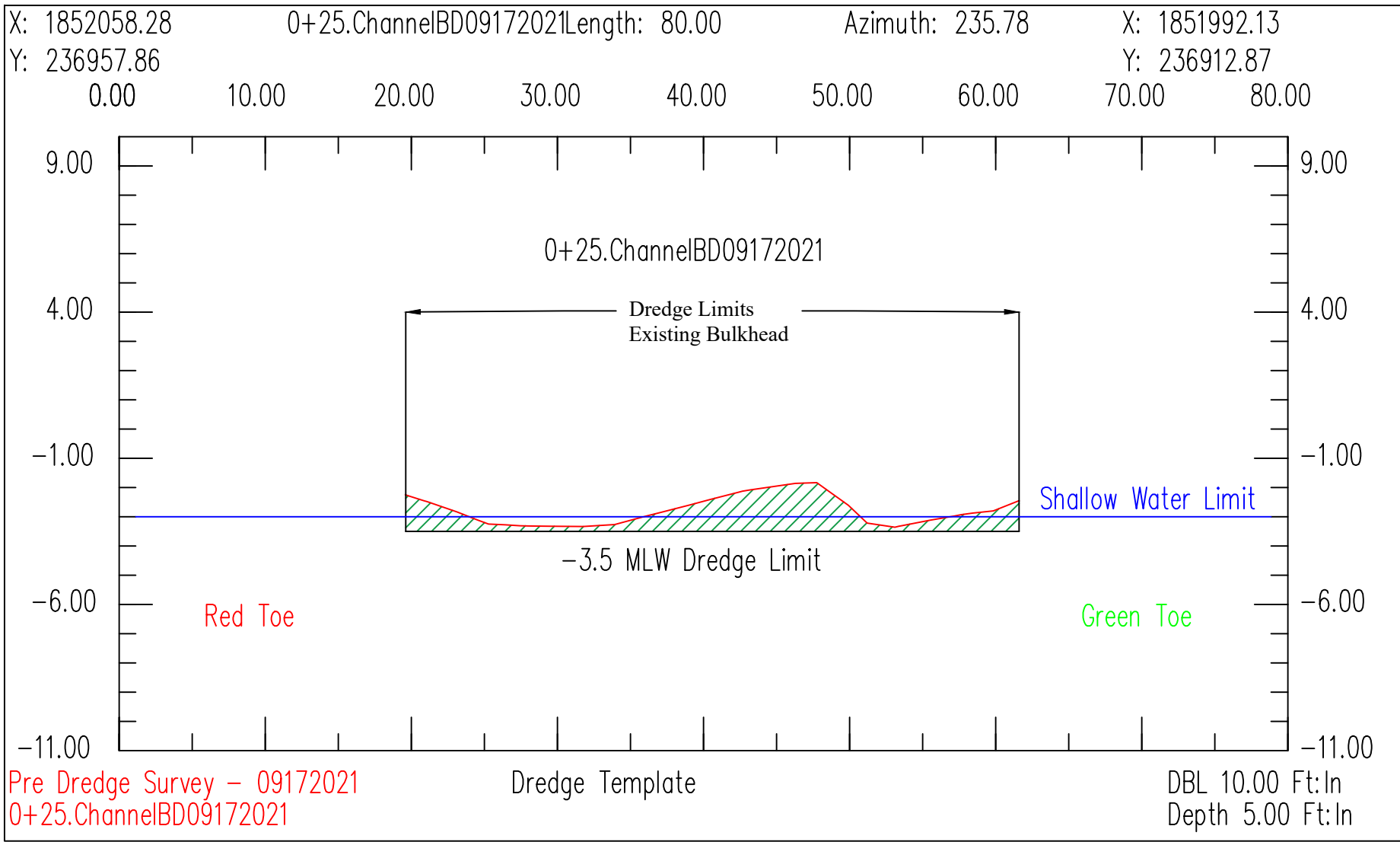
New Dredging  
(16,584 sqft)

Dredging Authorized  
2/4/2011 (12,357 sqft)



|                 |                                                                                                     |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                 |                                                                 |  |
|-----------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|
| Sheet<br>1 of 1 | Date Drawn: 1/3/23<br>Drawn By: TJ<br>Checked By:<br>Drawing Name: BD - Castaway's Entrance Channel | Survey Date: 9/17/2021<br>Horizontal: 1900 Maryland State Plane<br>Vertical: MLW<br>Equipment: Hydrolite TM Single Beam Echosounder<br>With Keynet RTK Corrections | Notes: Soundings were recorded in NAVD88 and converted to MLW using NOAA's VDATUM given 0 NAVD88 = 1.14 MLW. Volumes were calculated assuming a 20' wide channel with 1:3 side slopes. The cyan lines above represent the channel toes. The channel toes were set to approximately 10' off the existing structures and banks (bulkheading, docks, riprap, etc.) | Castaway's Entrance Channel<br>Maintenance and New Dredge Areas |  |
| Scale<br>1"=15' |                                                                                                     |                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                 |                                                                 |  |





Sheet  
1 of 4

Scale  
1"=1'

Date Drawn: 12/19/22  
Drawn By: TJ  
Checked By: CD  
Drawing Name: BD - Castaway's Entrance Channel

Survey Date: 9/17/2021  
Horizontal: 1900 Maryland State Plane  
Vertical: MLW  
Equipment: Hydrolite TM Single Beam Echosounder  
With Keynet RTK Corrections

Notes: Soundings were recorded in NAVD88 and converted to MLW using NOAA's VDATUM given 0 NAVD88 = 1.14 MLW. Volumes were calculated assuming a 20' wide channel with 1:3 side slopes. The cyan lines above represent the channel toes. The channel toes were set to approximately 10' off the existing structures and banks (bulkheading, docks, riprap, etc.)

## Castaway's Entrance Channel Cross Sections

**MURTECH**  
MARINE DIVISION



