



# **EASTERN DAVIE SEWER OPTION 3**

February 2, 2015



# EXISTING & FUTURE CAPACITY

- Present: 425,000 gallons per day
- Projected 2 million gallons per day

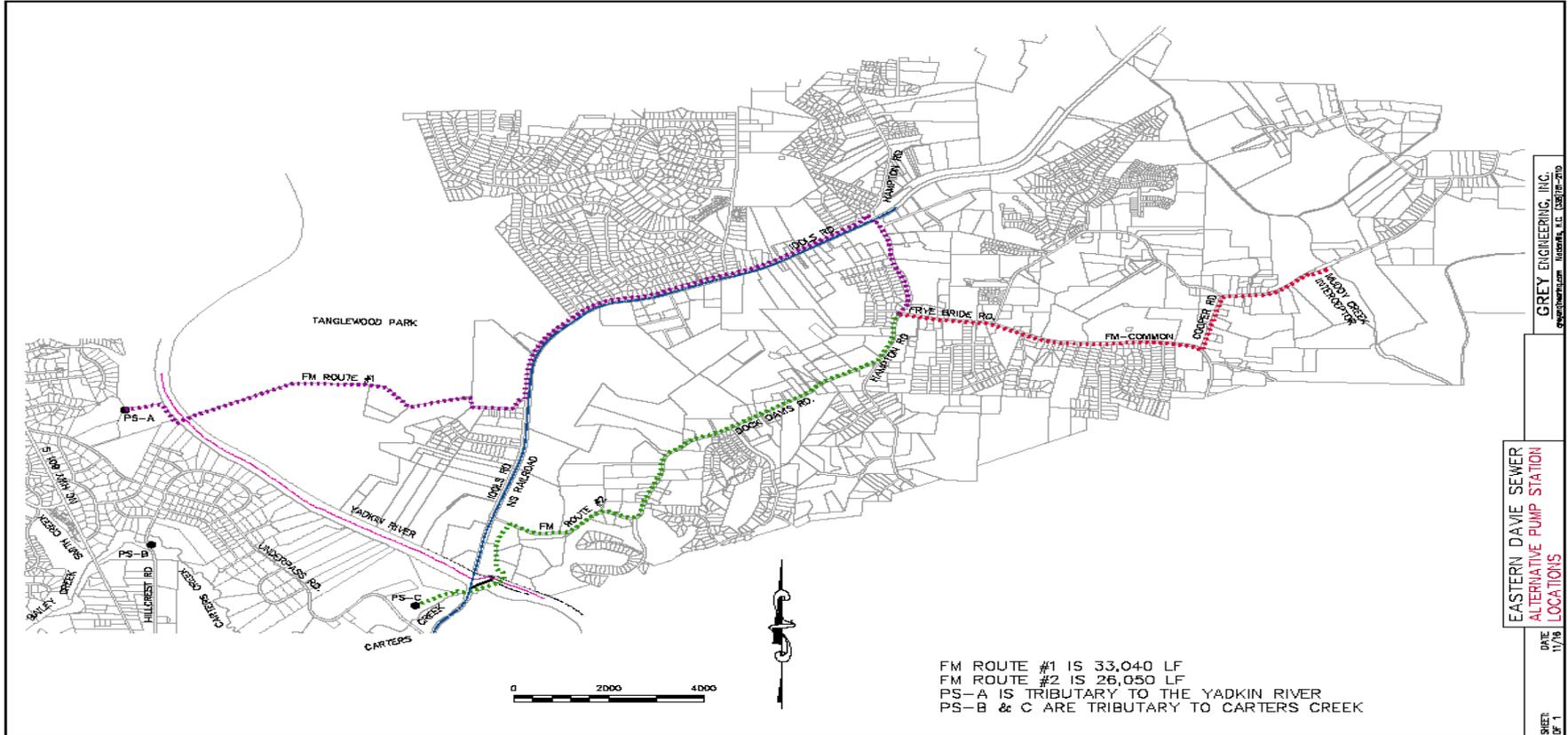


# COST OF OPTIONS

• Treatment Plant Option	\$21,190,000
• Underpass Road Option	\$16,650,000
• Cornatzer Option	\$11,940,000



# PROPOSED ROUTES FOR OPTION 2 & 3



EASTERN DAVIE SEWER  
 ALTERNATIVE PUMP STATION  
 LOCATIONS  
 DATE 11/18  
 SHEET OF 1  
 GREY ENGINEERING, INC.  
 greysouth.com Nashville, TN (615) 871-7110



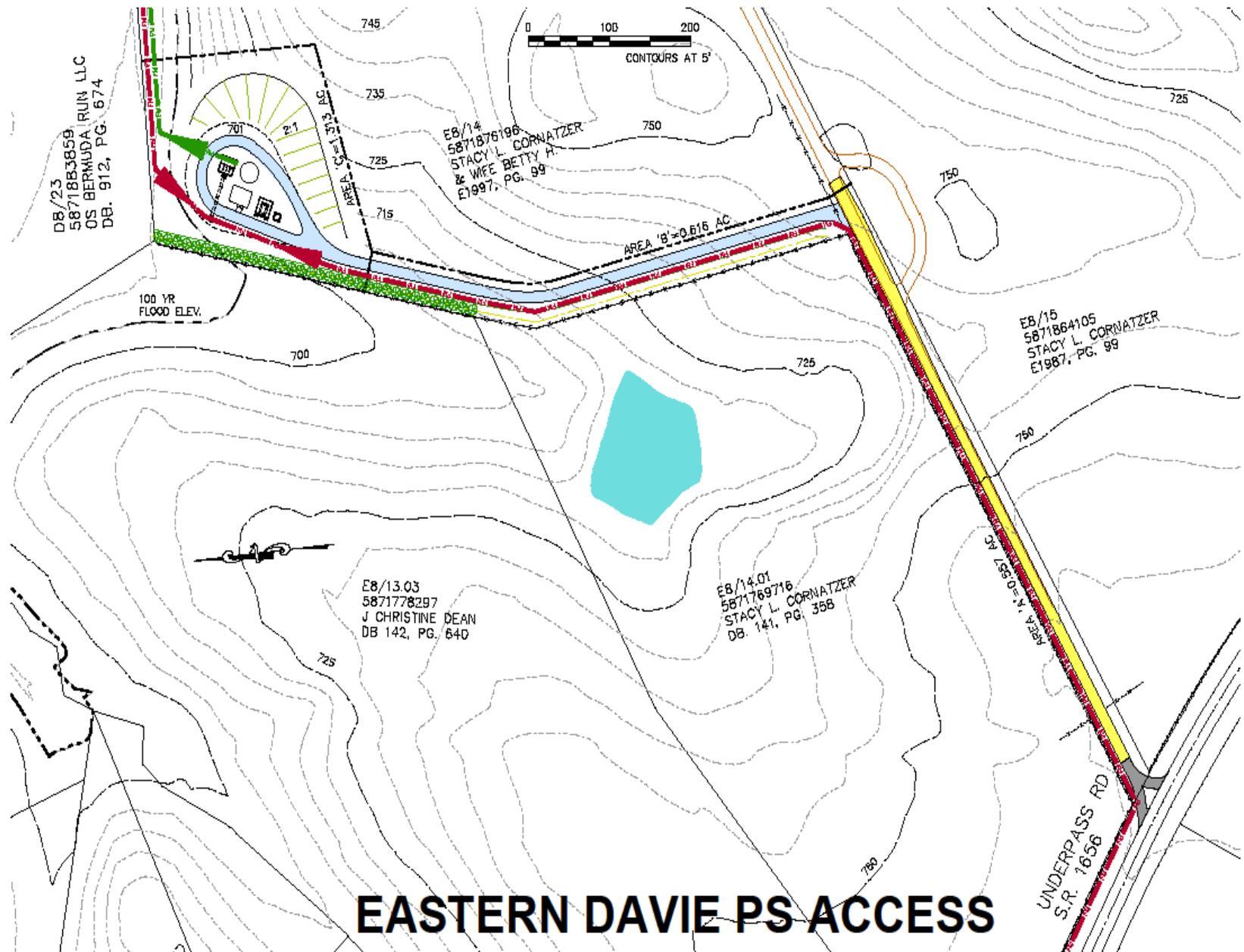
## ADVANTAGES OF OPTION 3

- 7500 linear feet north of Option 2
- 1400 linear feet from Greenwood Lakes
- Cornatzer site separated from Greenwood lakes by a 60-foot knoll, which serves as a natural buffer.
- \$4.1 million cheaper than Underpass Rd Option 2
- Sewer rate paid to CCUC cut in half – helping County to pass on savings to customers

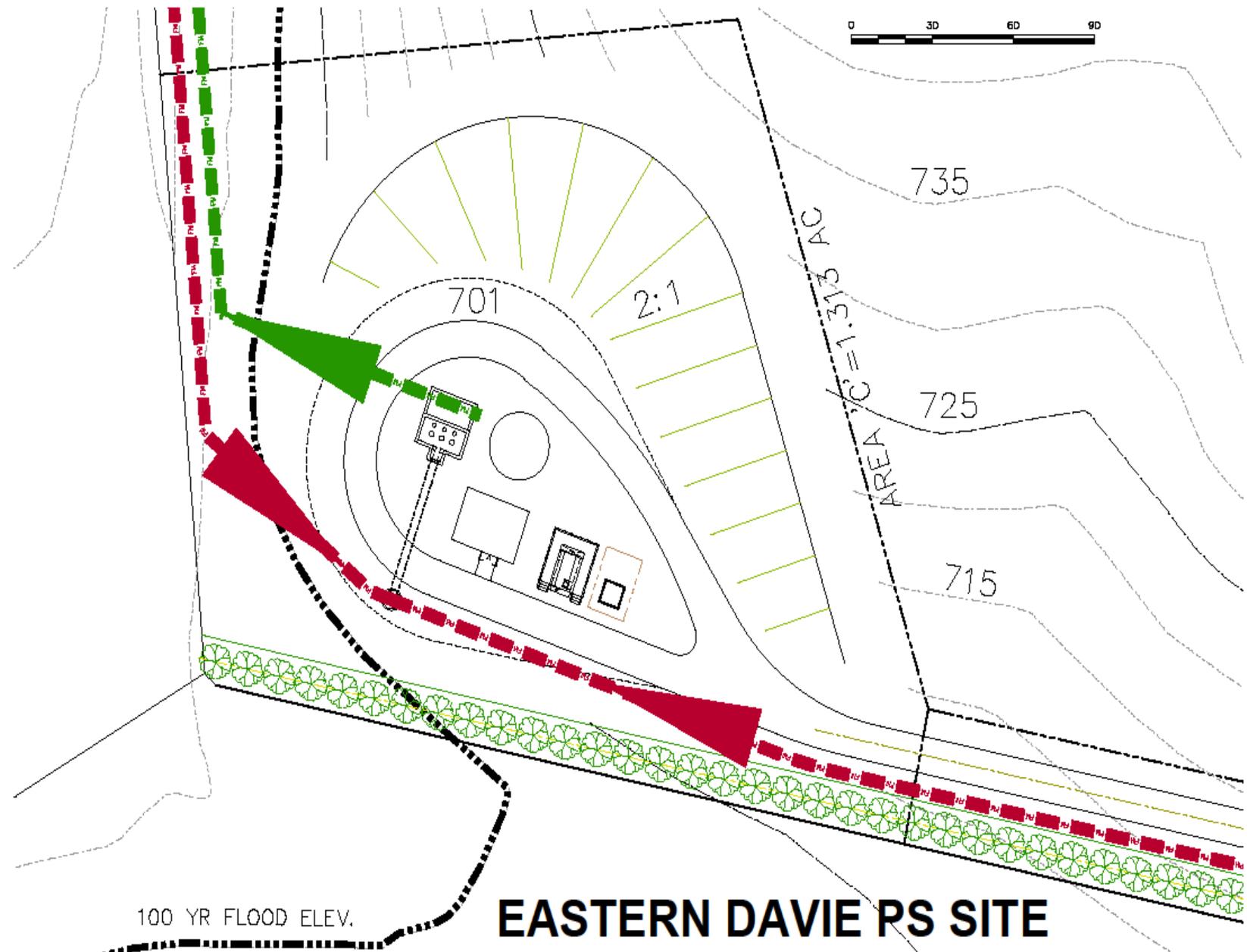


# **ALTERNATIVES TO CONNECT OPTION 3 TO EXISTING SYSTEM**

- **801 Force Main Option**
- **Yadkin River Force Main Option**
- **Bermuda Run (BR) West Pump Station Option**



# EASTERN DAVIE PS ACCESS



100 YR FLOOD ELEV.

# EASTERN DAVIE PS SITE



# Commissioner Questions Comments

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