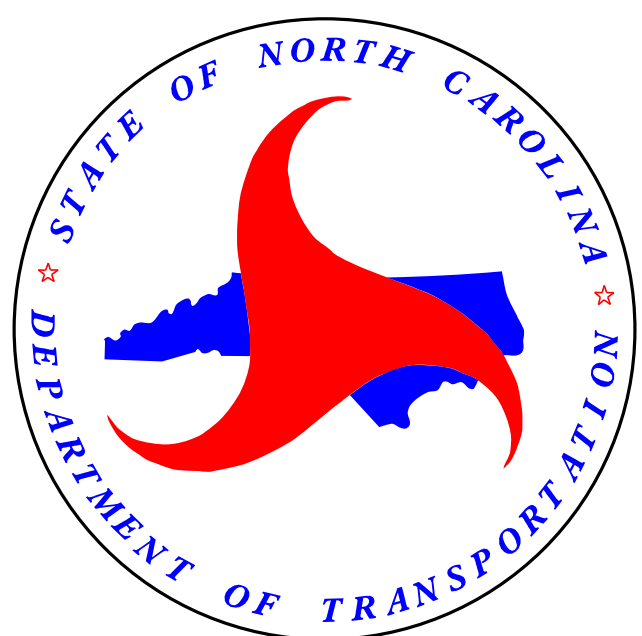
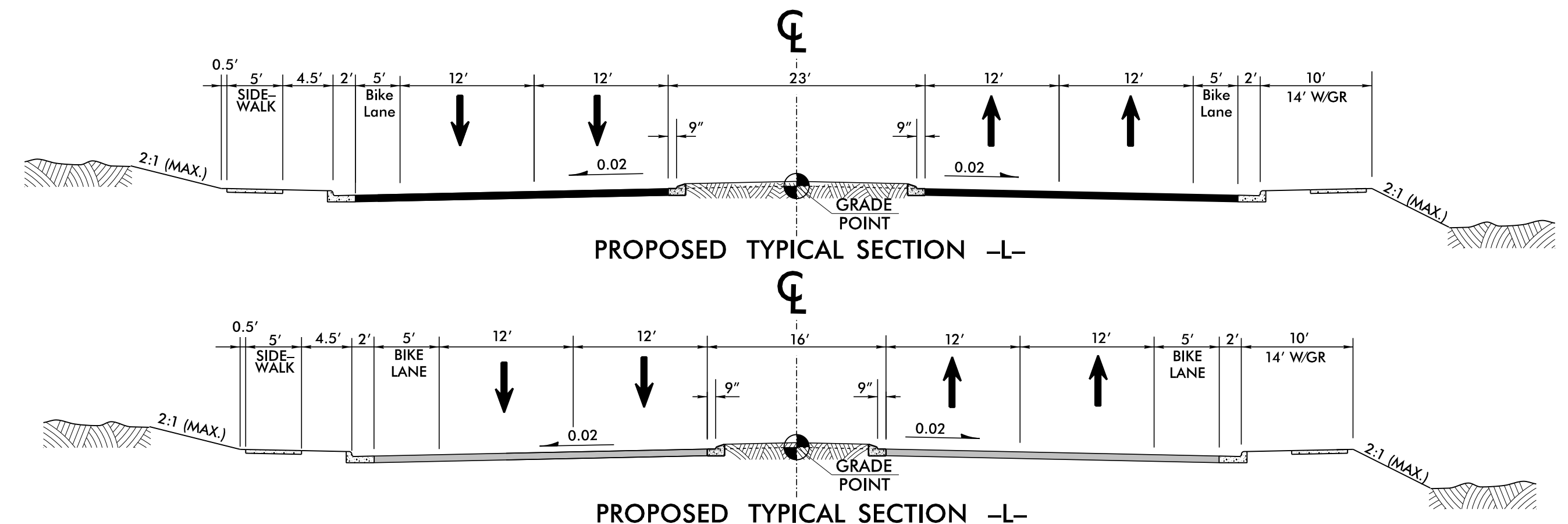


- LEGEND**
- FILL
 - TRANSITION
 - CUT
 - CITY LIMITS
 - WETLAND BOUNDARY
 - JURISDICTIONAL STREAM
 - HAZARDOUS WASTE
 - CONSTRUCTION EASEMENT
 - RIGHT-OF-WAY
 - STRUCTURES
 - EXISTING TRAFFIC SIGNAL
 - PROPOSED TRAFFIC SIGNAL
 - MULTIPLE INTERSECTION DESIGNS BEING STUDIED



MATCHLINE SHEET 1 OF 3

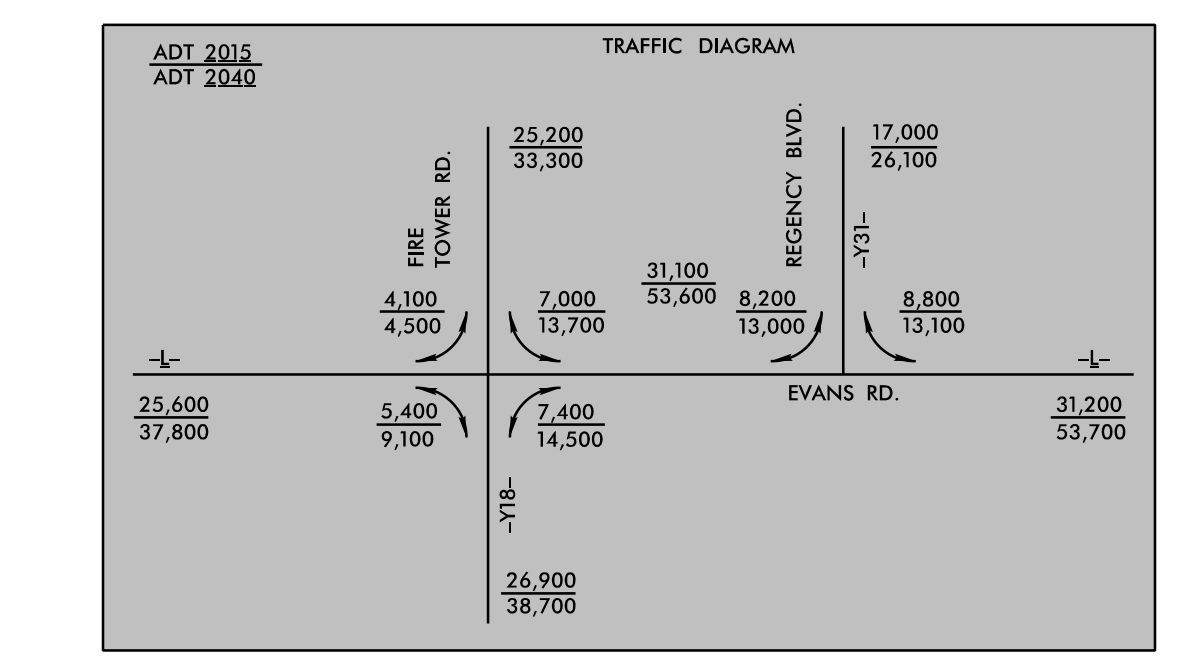
10' x 135' Culvert

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

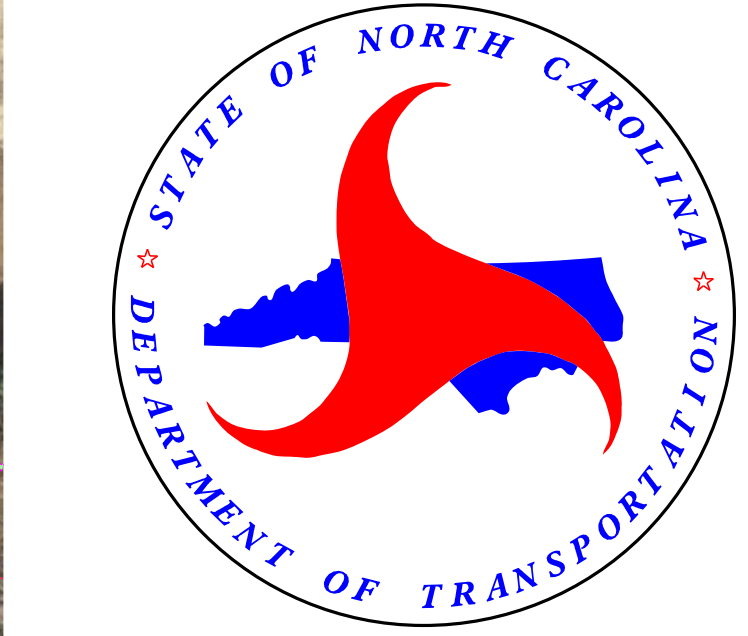
PLANS PREPARED BY:
CALYX
ENGINEERS + CONSULTANTS
Formerly Mulvey Engineers & Consultants

6750 TRYON ROAD
CARY, NC 27518
phone: 919.851.1912
CALYXengineers.com

NC License # F-1333



Station	Station	Station	Station
PI Sta 99+51.27	PI Sta 124+44.84	PI Sta 151+67.99	PI Sta 178+99.05
$\Delta = 23' 39" 28.7" (RT)$	$\Delta = 21' 29" 32.7" (LT)$	$\Delta = 6' 54" 54.5" (LT)$	$\Delta = 35' 16" 25.7" (RT)$
$D = 1709.354'$	$D = 4' 32" 50.2"$	$D = 4' 32" 50.2"$	$D = 4' 32" 50.2"$
$L = 203.977'$	$L = 47.654'$	$L = 61.31'$	$L = 71.57'$
$T = 103.463'$	$T = 23.813'$	$T = 30.833'$	$T = 40.551'$
$R = 4940.00'$	$R = 1260.00'$	$R = 2430.00'$	$R = 1260.00'$



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NOTE:
AERIAL PHOTOGRAPHY DATED FEBRUARY 16, 2011.
SURVEY AND PROPERTY OWNER INFORMATION CURRENT AS OF MAY 2013.