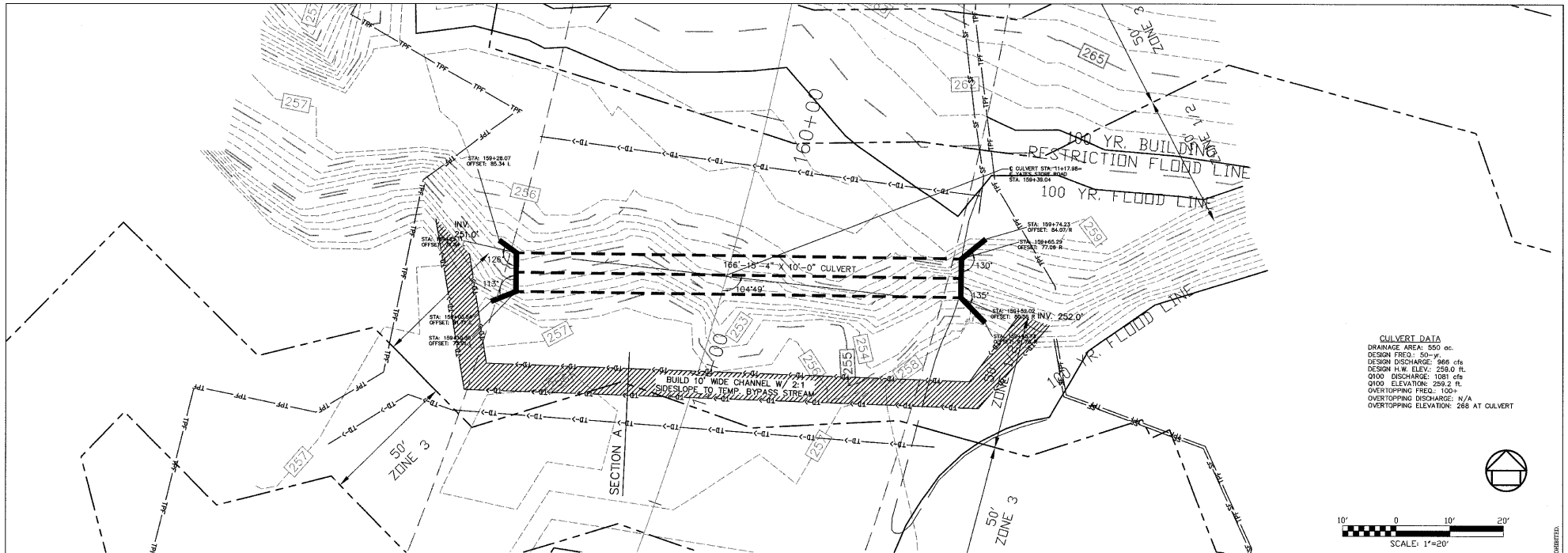
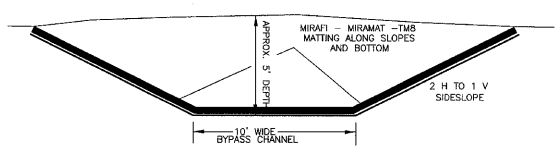


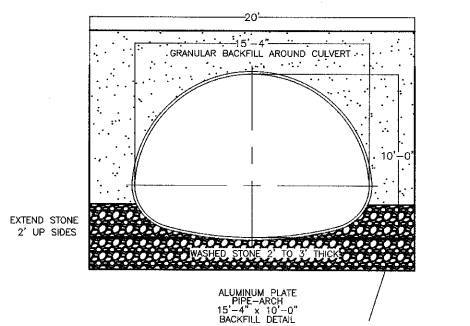
CULVERT DATA
DRAINAGE AREA: 550 ac.
DESIGN FREQ.: 50-yr.
DESIGN DISCHARGE: 966 cfs
DESIGN H.W. ELEV.: 259.0 ft.
Q100 DISCHARGE: 1081 cfs
Q100 ELEVATION: 259.2 ft.
OVERTOPPING FREQ.: 100+
OVERTOPPING DISCHARGE: N/A
OVERTOPPING ELEVATION: 268 AT CULVERT

10' 0 10' 20'
SCALE: 1"=20'

ROADWAY CULVERT CROSSING CONSTRUCTION SEQUENCE
1. INSTALL TEMPORARY SEDIMENT TRAPS AND TEMPORARY DIVERSIONS AS SHOWN ON PLANS. CLEAR ONLY AS REQUIRED TO CONSTRUCT THESE DEVICES.
2. INSTALL A TEMPORARY DIVERSION ACROSS ROADWAY AS SHOWN TO NEAREST SEDIMENT TRAP.
3. CONSTRUCT 10' WIDE BYPASS CHANNEL AND BERM EXISTING STREAM CHANNEL. CHANNEL SHALL BE LINED WITH MIRAFI-MIRAMAT - TM8.
(NOTE:) CONTRACTOR CAN BUILD CHANNEL ON EITHER SIDE OF CULVERT DEPENDING UPON WHAT SIDE THEY WANT TO BRING IN EQUIPMENT TO BUILD CULVERT.
4. EXCAVATE BOTTOM TO SOUND MATERIAL (ROCK IS ESTIMATED 2-3' BELOW INVERT) AND BUILD UP WITH WASHED STONE TO THE INVERT.
5. CONSTRUCT CULVERT AND BACKFILL USING CLEAN WELL-GRADED GRANULAR MATERIAL AS SPECIFIED IN THE GEOTECHNICAL REPORT.
6. BUILD HEADWALLS AND BACKFILL.
7. REMOVE TEMPORARY DIVERSION DITCHES ACROSS ROADWAY AND COMPLETE ROADWAY FILL.
8. MAINTAIN ALL EROSION CONTROL DEVICES AS SHOWN TO PROVENT SEDIMENT FROM ENTERING THE ROADWAY.



SECTION A



06-SP-047
APPROVED
TOWN OF CARY

Approved, by DLC Date 12-13-06
Planning LAH (for) Date 1-10-06
Engineering TS Date 1-11-06

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NORTH CAROLINA PROFESSIONAL SEAL 024627 ENGINEER DONALD A. SEWER
12/7/06

RELEASED FOR CONSTRUCTION

Amberly Roadways
Amberly Pud Phase 2

CARY, NC.

Sandler at Amberly
448 Viking Drive, Suite 220
Virginia Beach, VA. 23452

REVISIONS

PROJECT #: 04-4027 DATE: 7/06/06
DRAWN BY: IN CHECKED BY: DS

TITLE
YATES STORE ROAD CULVERT CROSSING LAYOUT PLAN

SHEET
C3.4