Project#
TIP# B-5889
Let Date
WBS#

PREDESIGN-PRESURVEY REPORT

Bridge# 800265
County Rutherford (Division: 13)
Road# SR1194 (Pleasant Hill Ch. Rd.)
Stream Maple Creek

Type Of Request: POC Force Account TIP NCMA
Date 12/14/15 Name SNM Assigned To MFF/MTS
Checked By WSH 1-4-16
Prior Survey Date None (attach copy of prior survey) BRN. BK.: 4/83 CO. FILE None
Study By Scour Section None
Flood Zone AE Detail Study Limited Date 7/2/08 Panel# 0690 ✓
B.M. Info N/A @ 7.48 sq.mi from StreamStats (ESM DA = 7.2 mi² ✓)
Quad Map N/A Drainage Area 7.42 SQ. mi. From DASS sta.# 214922900
Q25 1800 cfs Q50 2200 cfs Q100 2600 cfs ✓Method USGS Rural Reg. Eqn.
REGION 1 ✓
COORD: Lat.: 35.36228 , Long.: -82.02102 ✓

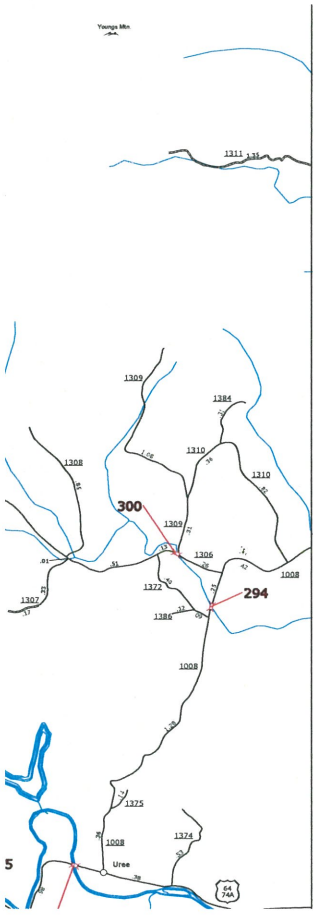
EXISTING BRIDGE INFORMATION BUILT: 1960 ✓

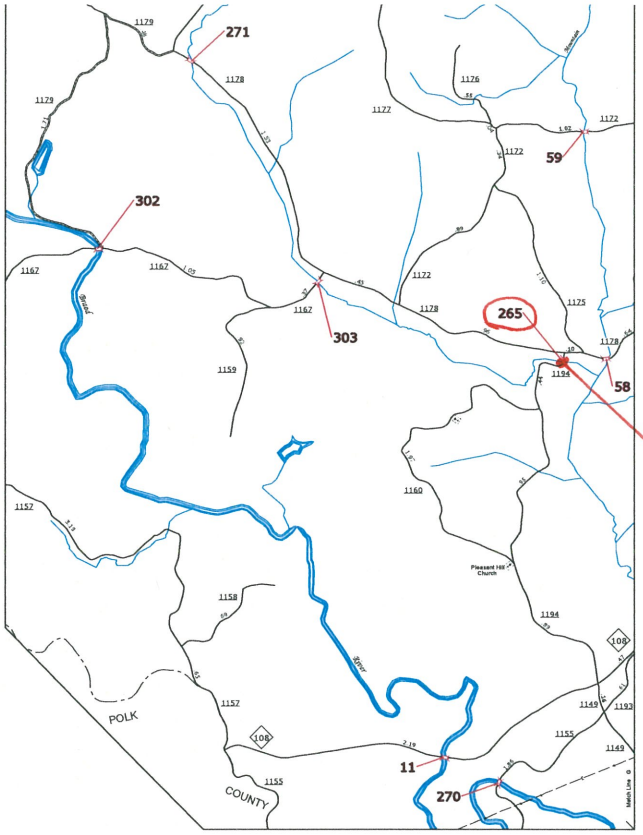
Location 0.05 mi. S. JCT. SR1178
Average Daily Traffic 230 (2012) 6% Trk ✓
Length 31' Bed- To Crown 10' Water Depth 1'
Type Structure Timber floor on I-beams ✓
Type Spans 1@ 30'-6 ✓
Upstream Structure 800303 - L = 34' Timber floor on I-beams
Location 0.05 mi. W JCT. SR1178 on SR 1167
Bed- To Crown 11' H₂O: 2' Prior Survey None
Downstream Structure Junction Point with Mountain Creek
Location 0.25 mi. East of existing bridge
Bed- To Crown — Prior Survey —
SCS Watershed N/A

ENVIRONMENTAL TVA: NO ✓

Trout Stream NO Anadromous Fish NO Primary Nursery Area NO ✓
High Quality Waters NO Nutrient Sensitive Waters NO
Near Water Supply Intake NO CAMA County NO
Stream Classification WS-IV
DENR River Basin Info. Broad (# 9-25-4-(2)) ✓

800265





Pleasant Hill Church and Vicinity

site







800265

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: TEMP REPAIRS

Structure Safety Report

Routine Element Inspection

COUNTY: RUTHERFORD STRUCTURE NUMBER: 800265 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1194 MILE POST:

LOCATION: 0.05 MI.S.JCT.SR1178

FEATURE INTERSECTED: CREEK

LATITUDE: 35° 21' 44.17" LONGITUDE: 82° 1' 15.72"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS (STD BMD-8)

SUBSTRUCTURE: E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR.CTS.

SPANS: 1 @ 30'-6

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

PRESENT CONDITION: Good INSPECTION DATE: 02/03/2015

POSTED SV: 20 21 POSTED TTST: 26 28

OTHER SIGNS PRESENT: (2) ONE LANE BRIDGE; (4) DELINEATORS



Sign noticed issued for		Number Required
NO	WEIGHT LIMIT	0
NO	DELINEATORS	0
NO	NARROW BRIDGE	0
NO	ONE LANE BRIDGE	0
NO	LOW CLEARANCE	0

NORTH APPROACH

INSPECTED BY	SIGNATURE	ASSISTED BY
DEREK RICKUS		ERIC PATTERSON

800265

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Update Date: 07/27/2015

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
RUTHERFORD	13	1	800265	31 FEET

ROUTE CARRIED : SR1194

FEATURE INTERSECTED : MAPLE CREEK

LOCATED : 0.05 MI.S.JCT.SR1178

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	230 2012	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1960	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
1992	BMU	5.8951	TAN	90	ON 2 UNDER 0

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0 FT	10	FT	1	FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS (STD BMD-8)

SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR.CTS.

SPANS : 1 @ 30'-6

BEAMS OR GIRDERS : 12 LINES 14 I-BEAMS @ 1'-9 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/3.5 AWS		21.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
20.083 FT	20.75 FT	LT	.3 FT	RT	.3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :				
HS-11	HS-18	Int.bms	SV 20	TTST	26	DATE	03/11/2013

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

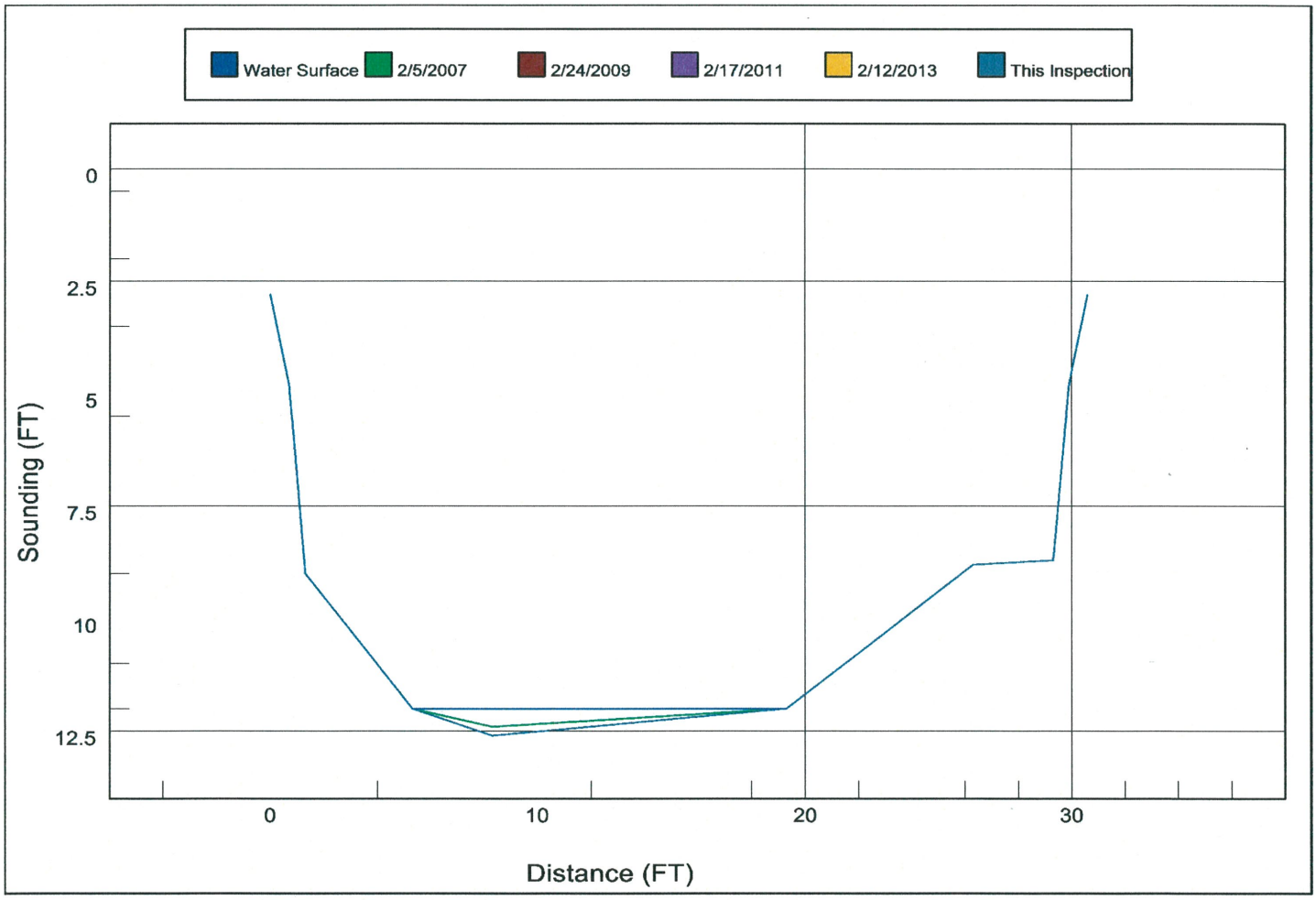
REMARKS :

800265

Bridge: 800265 County RUTHERFORD Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



800265



This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map flood hazard areas at the local level. As a part of this effort, the State of North Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTP://FRIS.NC.GOV/FRIS

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or With Drainage Areas of Less Than One Square Mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes *Zone X*

OTHER AREAS
- Areas Determined to be Outside the 0.2% Annual Chance Floodplain *Zone X*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Accredited or Provisionally Accredited Levee, Dike, or Floodwall
- Non-accredited Levee, Dike, or Floodwall
- BM5510 North Carolina Geodetic Survey bench mark
- BM5510 National Geodetic Survey bench mark
- BM5510 Contractor Est. NCFMP Survey bench mark
- 012 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
- B Coastal Transect
- Coastal Transect Baseline
- Profile Baseline

OTHER FEATURES
- Hydrographic Feature
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at http://msc.fema.gov. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at http://www.ncfloodmaps.com or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

ACCREDITED LEVEE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

PROVISIONALLY ACCREDITED LEVEE NOTES TO USERS: If a Provisionally Accredited Levee (PAL) note appears on this panel, check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicates the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LIMWA). The LIMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LIMWA (or between the shoreline and the LIMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

Limit of Moderate Wave Action (LIMWA)

COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE

This map may include approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see http://www.fws.gov/habitatconservation/coastal_barrier.html, the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.

CBRS Area | Otherwise Protected Area

SCALE

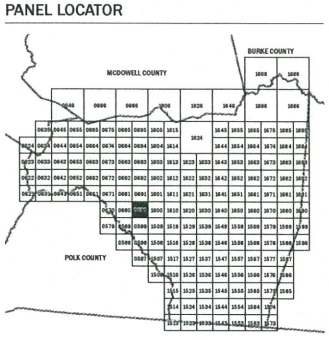
Map Projection:
North Carolina State Plane Projection Feet (Zone 3200)
Datum: NAD 1983 (Horizontal), NAVD 1988 (Vertical)

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

PANEL LOCATOR



FEMA

National Flood Insurance Program

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 0690

FEMA

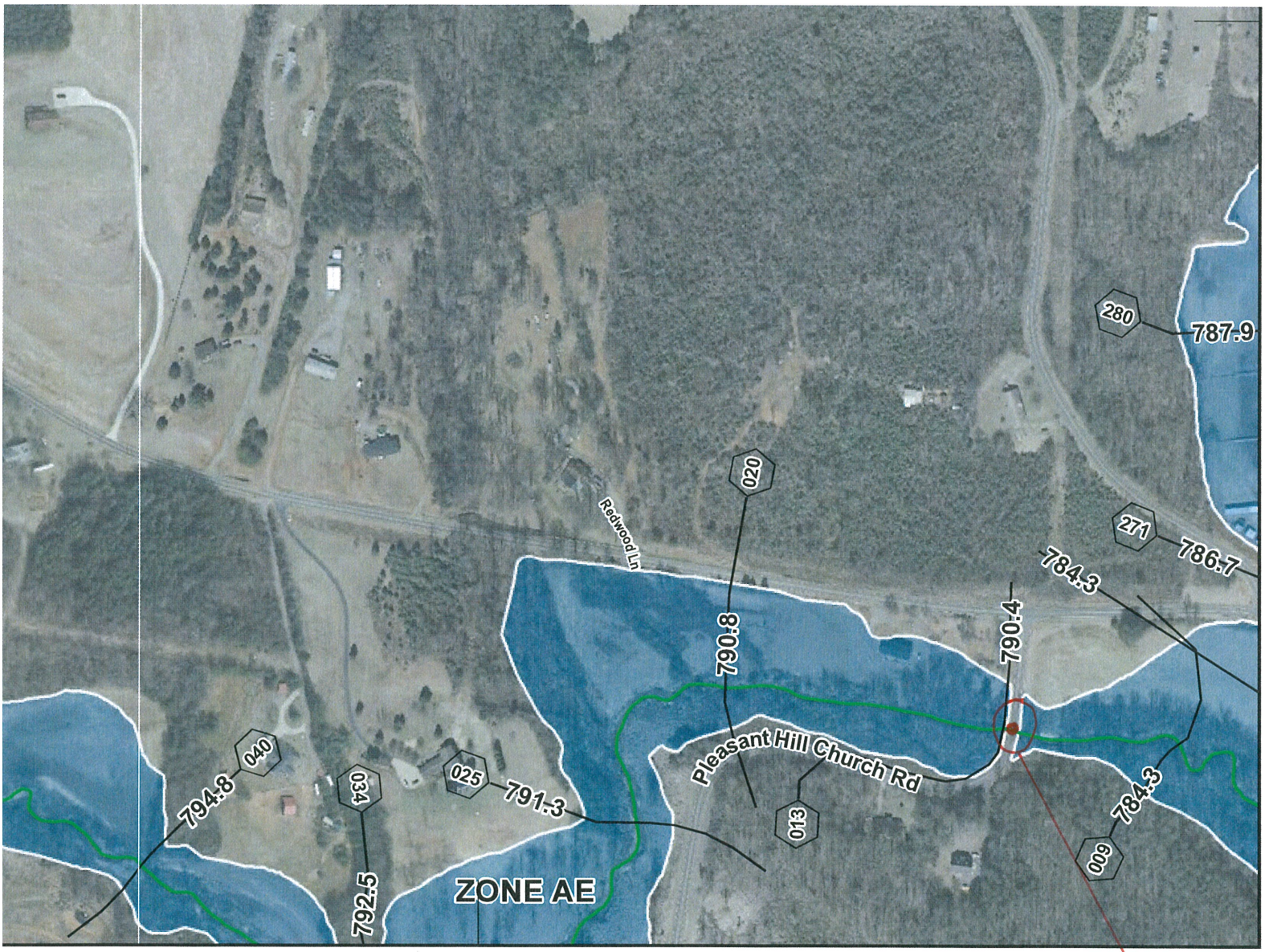
Panel Contains:

COMMUNITY	CID	PANEL	SUFFIX
RUTHERFORD COUNTY	370217	0690	J

MAP NUMBER
3710069000J

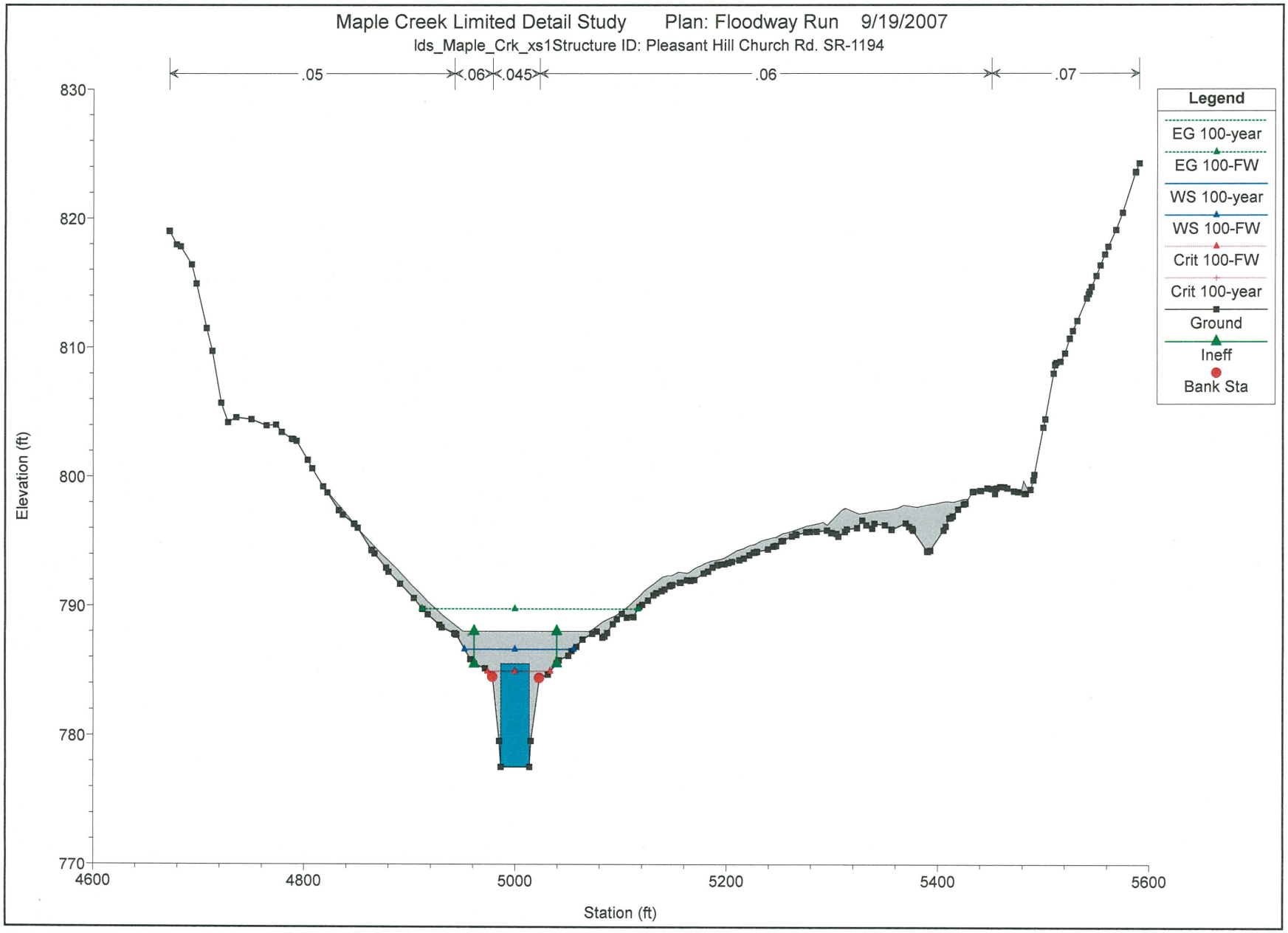
MAP REVISED
7/2/2008

800265


N
280
787.9
020
271
786.7
784.3
Redwood Ln
790.8
790.4
Pleasant Hill Church Rd
040
794.8
034
025
791.3
013
784.3
009
792.5
ZONE AE

#265

800265


Maple Creek Limited Detail Study Plan: Floodway Run 9/19/2007
lds_Maple_Crk_xs1Structure ID: Pleasant Hill Church Rd. SR-1194
.05
.06
.045
.06
.07
Legend
EG 100-year
EG 100-FW
WS 100-year
WS 100-FW
Crit 100-FW
Crit 100-year
Ground
Ineff
Bank Sta
Elevation (ft)
830
820
810
800
790
780
770
4600
4800
5000
5200
5400
5600
Station (ft)