

- NOTE:
1. THE TOTAL PROJECT AREA IS 92 ACRES AND THE EXPECTED DISTURBED AREA IS 68.2 ACRES.
  2. THE RECEIVING WATERS FOR THIS PROJECT ARE COBBS CREEK, SNAFFINGER CREEK AND PANTHERS BRANCH
  3. PEAK DISCHARGES WERE DETERMINED USING THE SCS METHOD. FLOWS WERE ROUTED THROUGH DETENTION FACILITIES WHEN NECESSARY.
  4. CONSTRUCTION ACTIVITIES CONSIST OF ADDING CD LANES ON THE SOUTH SIDE OF I-20 WHICH WILL BE SEPARATED FROM THE I-20 THROUGH LANES BY A CONTINUOUS BARRIER, RAMP IMPROVEMENTS, CONSTRUCTING CONCRETE BARRIERS, RETAINING WALLS, SOUND WALLS, PAVEMENT WIDENING, OVERLAY AND LEVELING, SHOULDER GRADING, AND DITCH GRADING.

I-20 EASTBOUND  
STA. 1386+45.08 =  
PANOLA RD BRIDGE  
N 1347119.9116  
E 2295472.1369

END PROJECT  
I-20 EASTBOUND  
STA 1385+80.96  
N 1347120.6185  
E 2295408.0188  
M.P. 11.76

END CONSTRUCTION  
END WIDENING  
AND OVERLAY  
TIE TO EXIST  
I-20 EASTBOUND  
STA 1380+49.21  
N 1347126.4812  
E 2294876.2991

ALTERNATE SAMPLING LOCATION  
STA. 1358+18.93' RT.

ESA 25'  
STREAM BUFFER -  
STREAM #10 (PANTHERS BRANCH)

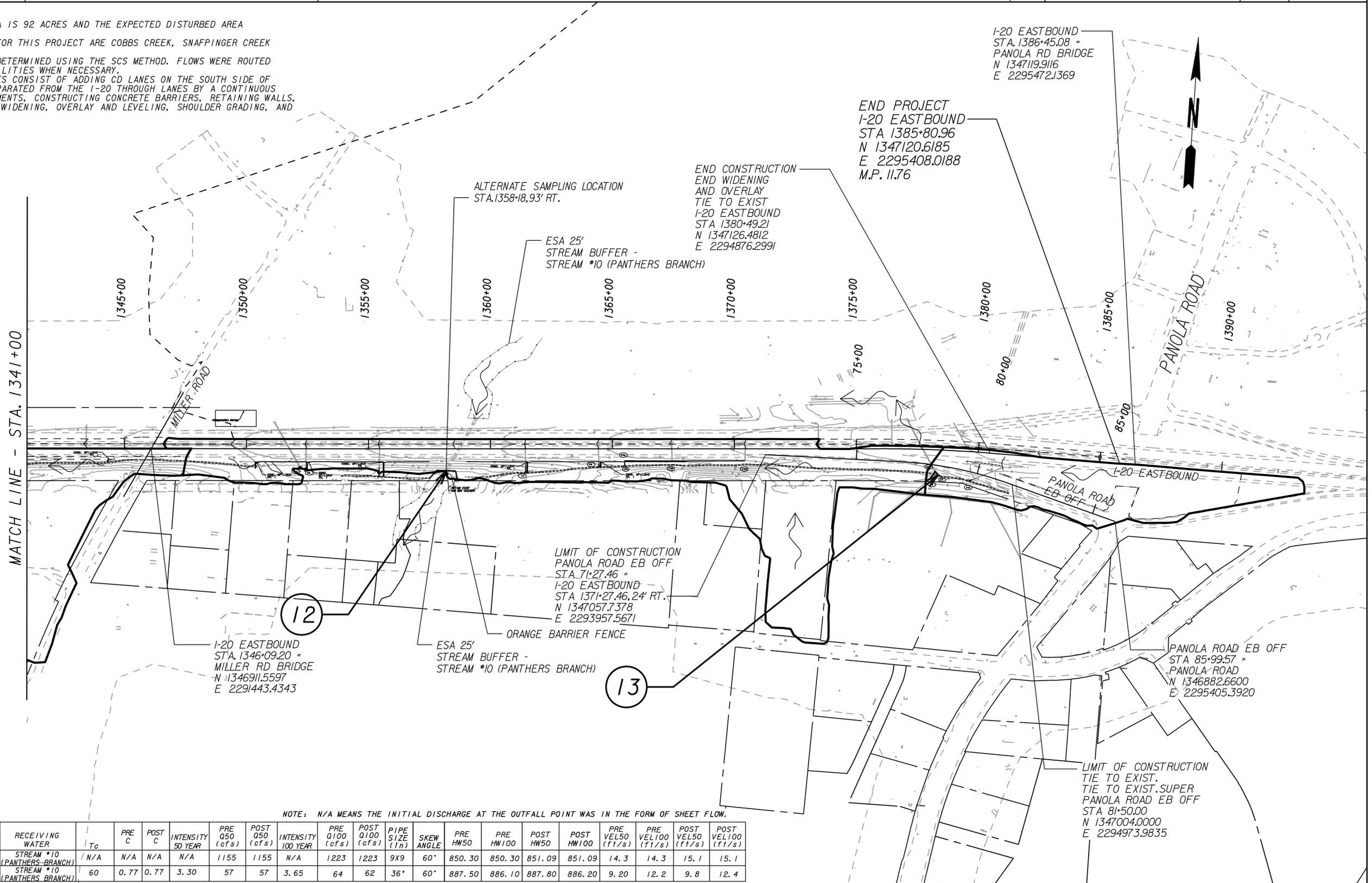
ESA 25'  
STREAM BUFFER -  
STREAM #10 (PANTHERS BRANCH)

LIMIT OF CONSTRUCTION  
PANOLA ROAD EB OFF  
STA 71+27.46 =  
I-20 EASTBOUND  
STA 1371+27.46, 24' RT.  
N 1347057.7378  
E 2293957.5671

PANOLA ROAD EB OFF  
STA 85+99.57 =  
PANOLA ROAD  
N 1346882.6600  
E 2295405.3920

LIMIT OF CONSTRUCTION  
TIE TO EXIST.  
TIE TO EXIST.SUPER  
PANOLA ROAD EB OFF  
STA 81+50.00  
N 1347004.0000  
E 2294973.9835

MATCH LINE - STA. 1341+00



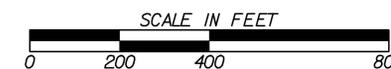
OUTFALL DATA

NOTE: N/A MEANS THE INITIAL DISCHARGE AT THE OUTFALL POINT WAS IN THE FORM OF SHEET FLOW.

OUT-FALL NO.	STATION	DRAIN AREA (AC)	DISTURB AREA (AC)	RECEIVING WATER	Tc	PRE C	POST C	INTENSITY 50 YEAR	PRE Q50 (cfs)	POST Q50 (cfs)	INTENSITY 100 YEAR	PRE Q100 (cfs)	POST Q100 (cfs)	PIPE SIZE (IN)	SKEW ANGLE	PRE HW50	PRE HW100	POST HW50	POST HW100	PRE VEL50 (ft/s)	PRE VEL100 (ft/s)	POST VEL50 (ft/s)	POST VEL100 (ft/s)
12	1358+72 R	16	9.55	STREAM #10 (PANTHERS BRANCH)	N/A	N/A	N/A	N/A	1155	1155	N/A	1223	1223	9X9	60°	850.30	850.30	851.09	851.09	14.3	14.3	15.1	15.1
13	1378+38 R	6.8	1.91	STREAM #10 (PANTHERS BRANCH)	60	0.77	0.77	3.30	57	57	3.65	64	62	36"	60°	887.50	886.10	887.80	886.20	9.20	12.2	9.8	12.4

RELEASED FOR CONSTRUCTION - 12/05/11

**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS  
A UNIT OF MICHAEL BAKER CORPORATION  
3595 ENGINEERING DRIVE  
NORCROSS, GEORGIA 30092  
(770) 263-9118



REVISION DATES

06-17-2013

STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: INNOVATIVE PROGRAM DELIVERY  
**EROSION CONTROL  
DRAINAGE AREA MAP**  
SHEET 5 OF 5

DRAWING No.  
**53-005**