10/15/2009 10:35:15 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st17.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	65	370

CURVE • 7

PI STA. • 11+76.22
N • 1464561.8020
E • 2173403.3260
DELTA • 13°12'59.1"CCW
R • 4900.00'
e • 2.65%
T • 567.55'
L • 1130.28'
E • 32.77'

25+00

30+00

CONSTR. ℄
I-75 SB LANE

N 31°28'54" W
944.73'

L.L.L.

PC 6+08.56
•25 BFSE
2.65%

18"

H-2

H-1

EDGE OF PAVEMENT

EDGE OF PAVED SHOULDER

CONSTR. ℄
I-75 SB DETOUR

TEMP. CONC. BARRIER

10+00

CURVE •7

12' 12' 10'

EDGE OF PAVEMENT

EDGE OF PAVED SHOULDER

505 LT

405 LT

MATCH LINE STA. 11+50.00 S. BOUND DETOUR
SEE DRAWING 19-13

MATCH LINE SEE DRAWING 19-19

STANDARD LEGEND

STAGE 2 CONSTRUCTION

TRAFFIC FLOW INDICATORS

GPLN

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

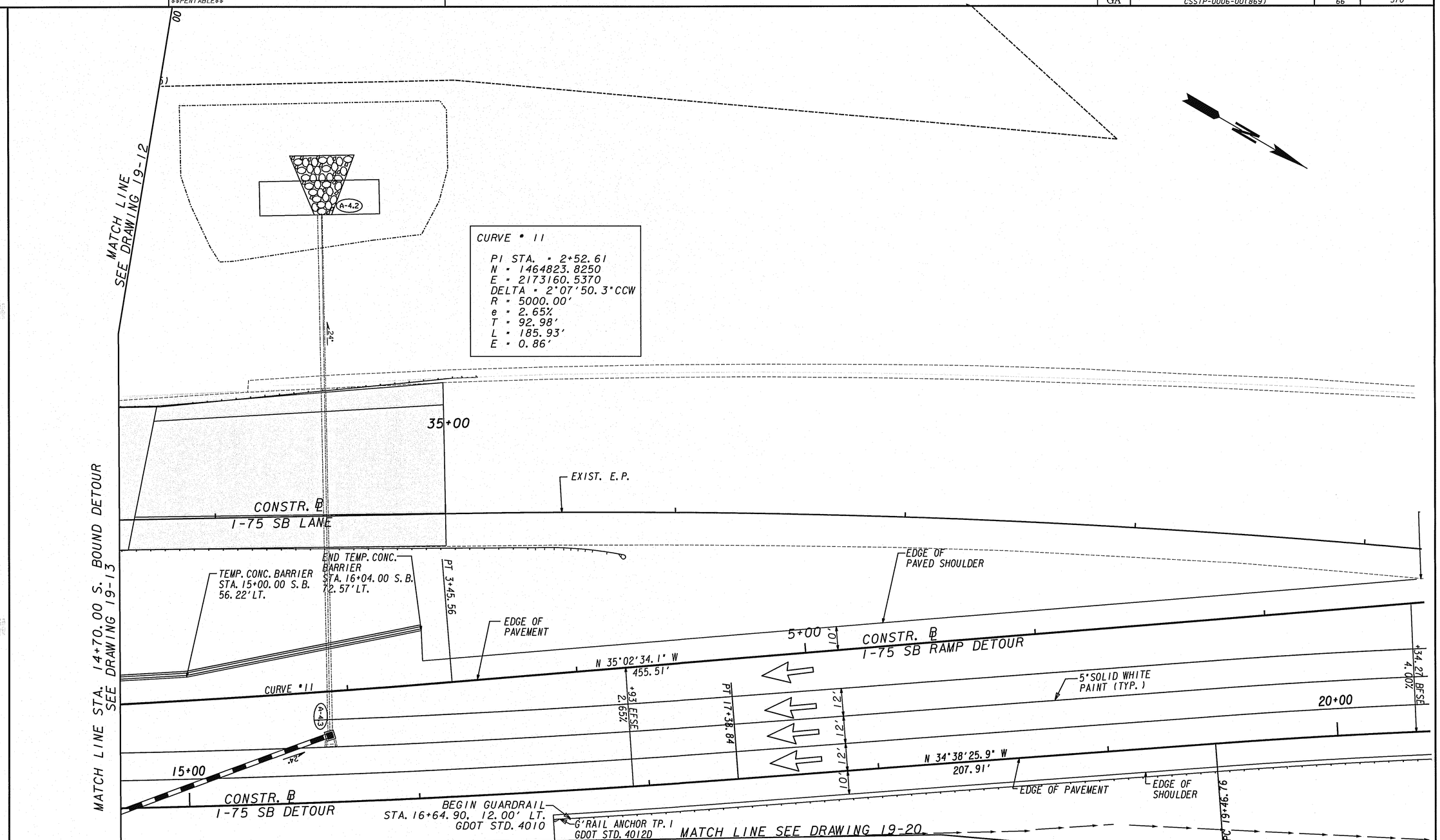
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 2 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-17



STANDARD LEGEND

STAGE 2 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
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SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING
STAGE 2 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-18

10/15/2009 10:35:21 AM PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st19.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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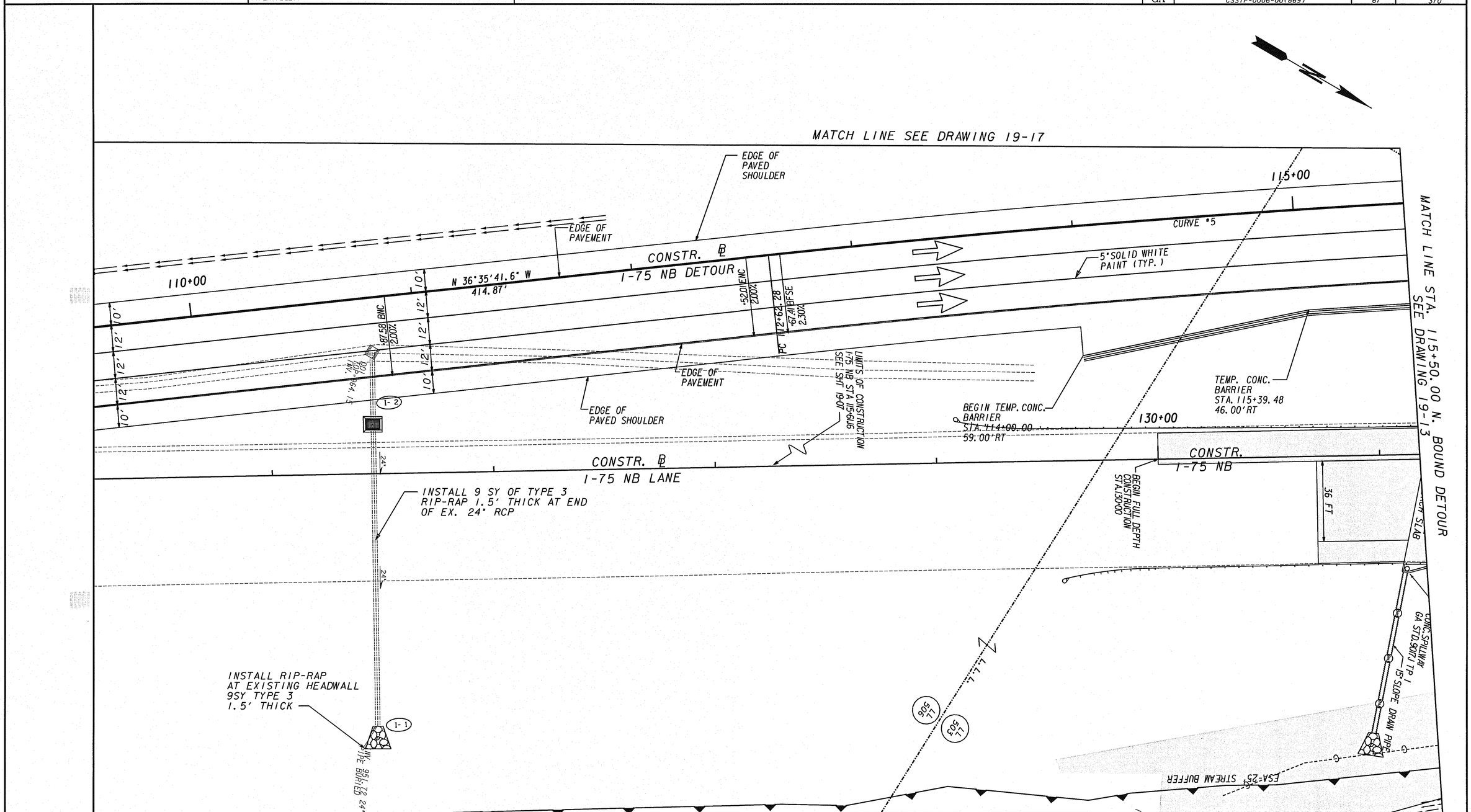

STANDARD LEGEND

STAGE 2 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 2 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-19

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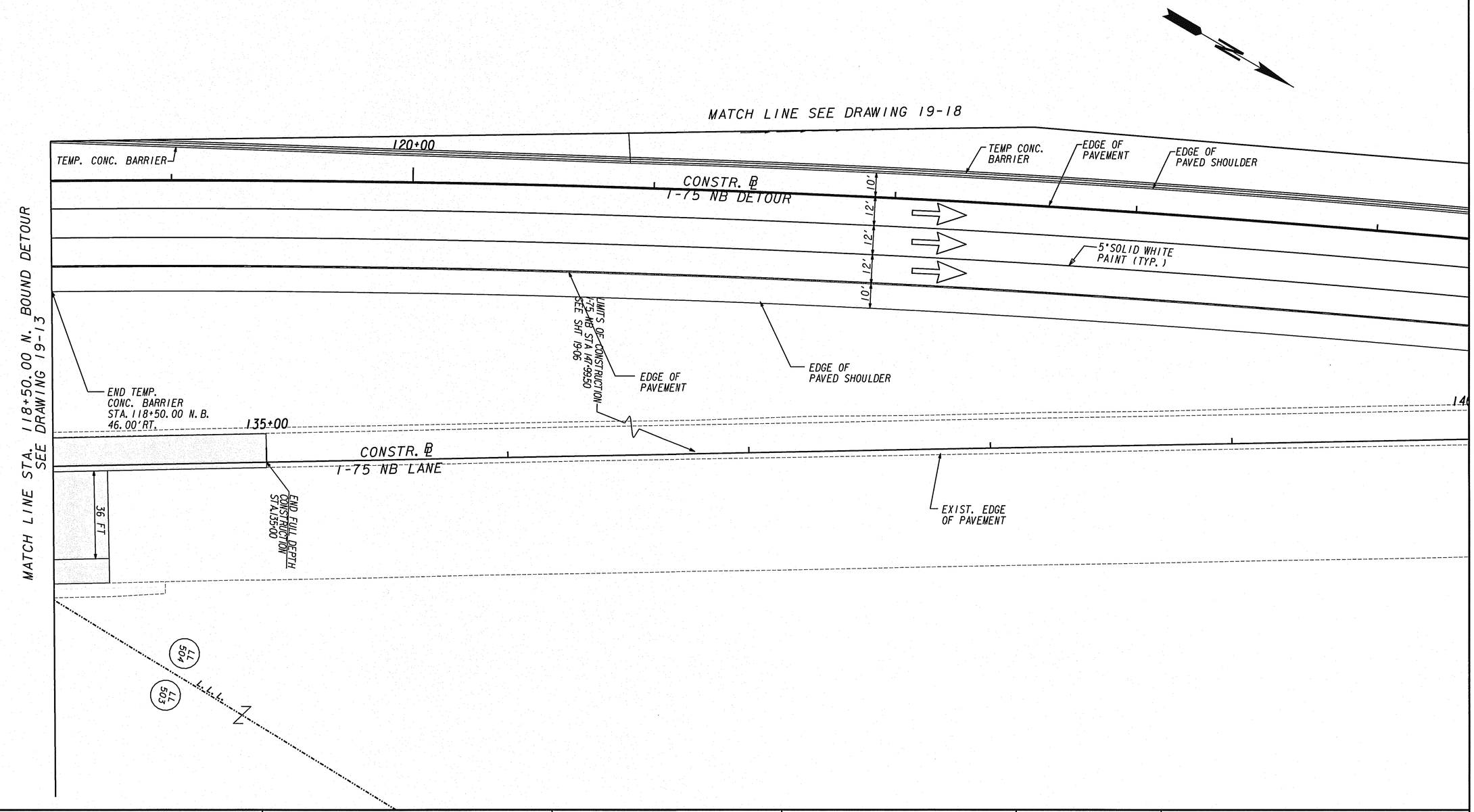


STANDARD LEGEND

STAGE 2 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 2 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-20

GPLN

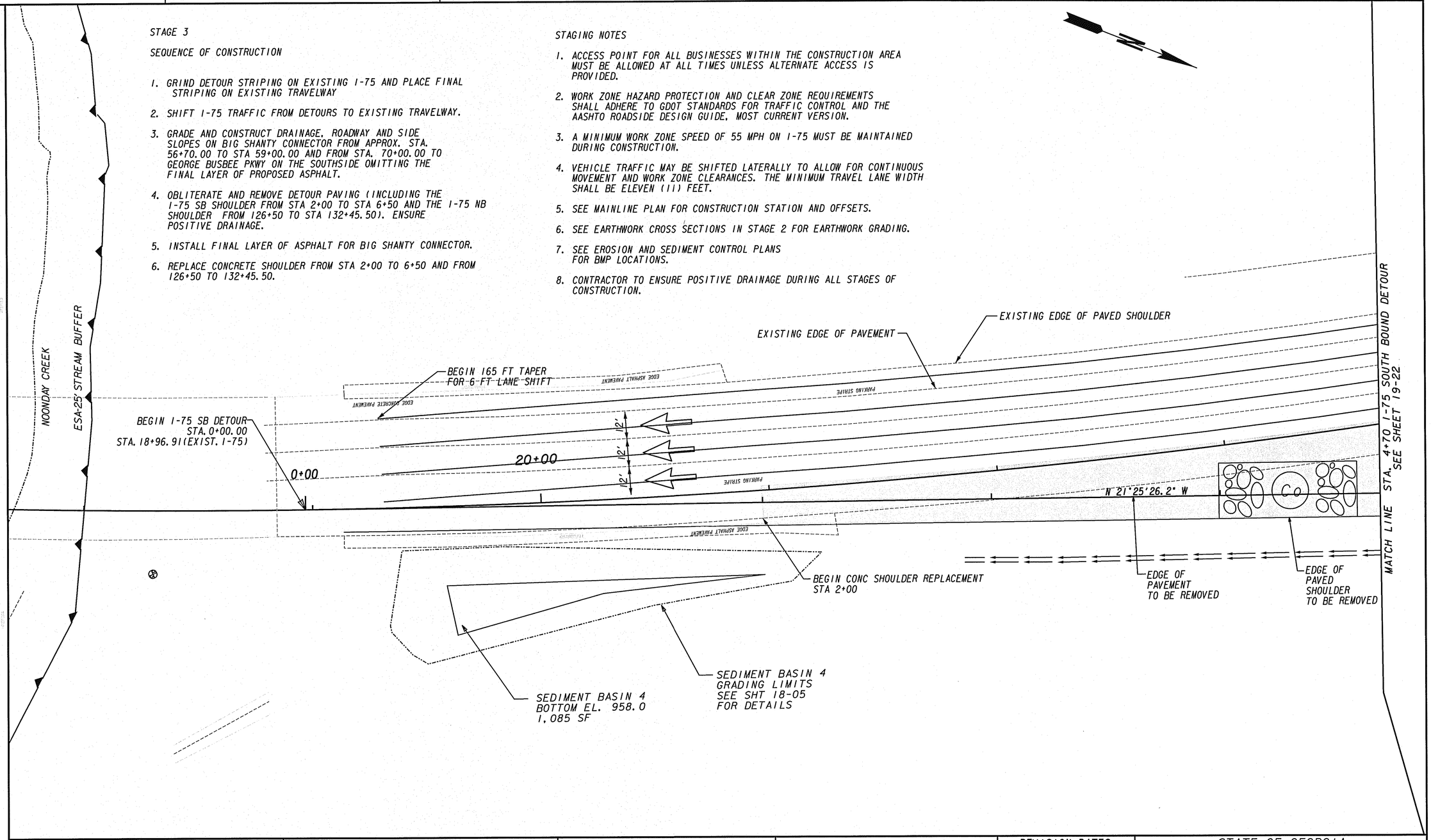
STAGE 3

SEQUENCE OF CONSTRUCTION

1. GRIND DETOUR STRIPING ON EXISTING I-75 AND PLACE FINAL STRIPING ON EXISTING TRAVELWAY
2. SHIFT I-75 TRAFFIC FROM DETOURS TO EXISTING TRAVELWAY.
3. GRADE AND CONSTRUCT DRAINAGE, ROADWAY AND SIDE SLOPES ON BIG SHANTY CONNECTOR FROM APPROX. STA. 56+70.00 TO STA 59+00.00 AND FROM STA. 70+00.00 TO GEORGE BUSBEE PKWY ON THE SOUTHSIDE OMITTING THE FINAL LAYER OF PROPOSED ASPHALT.
4. OBLITERATE AND REMOVE DETOUR PAVING (INCLUDING THE I-75 SB SHOULDER FROM STA 2+00 TO STA 6+50 AND THE I-75 NB SHOULDER FROM 126+50 TO STA 132+45.50). ENSURE POSITIVE DRAINAGE.
5. INSTALL FINAL LAYER OF ASPHALT FOR BIG SHANTY CONNECTOR.
6. REPLACE CONCRETE SHOULDER FROM STA 2+00 TO 6+50 AND FROM 126+50 TO 132+45.50.

STAGING NOTES

1. ACCESS POINT FOR ALL BUSINESSES WITHIN THE CONSTRUCTION AREA MUST BE ALLOWED AT ALL TIMES UNLESS ALTERNATE ACCESS IS PROVIDED.
2. WORK ZONE HAZARD PROTECTION AND CLEAR ZONE REQUIREMENTS SHALL ADHERE TO GDOT STANDARDS FOR TRAFFIC CONTROL AND THE AASHTO ROADSIDE DESIGN GUIDE, MOST CURRENT VERSION.
3. A MINIMUM WORK ZONE SPEED OF 55 MPH ON I-75 MUST BE MAINTAINED DURING CONSTRUCTION.
4. VEHICLE TRAFFIC MAY BE SHIFTED LATERALLY TO ALLOW FOR CONTINUOUS MOVEMENT AND WORK ZONE CLEARANCES. THE MINIMUM TRAVEL LANE WIDTH SHALL BE ELEVEN (11) FEET.
5. SEE MAINLINE PLAN FOR CONSTRUCTION STATION AND OFFSETS.
6. SEE EARTHWORK CROSS SECTIONS IN STAGE 2 FOR EARTHWORK GRADING.
7. SEE EROSION AND SEDIMENT CONTROL PLANS FOR BMP LOCATIONS.
8. CONTRACTOR TO ENSURE POSITIVE DRAINAGE DURING ALL STAGES OF CONSTRUCTION.



STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES
10/14/09

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-21

GPLN

10/15/2009 10:35:28 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st22.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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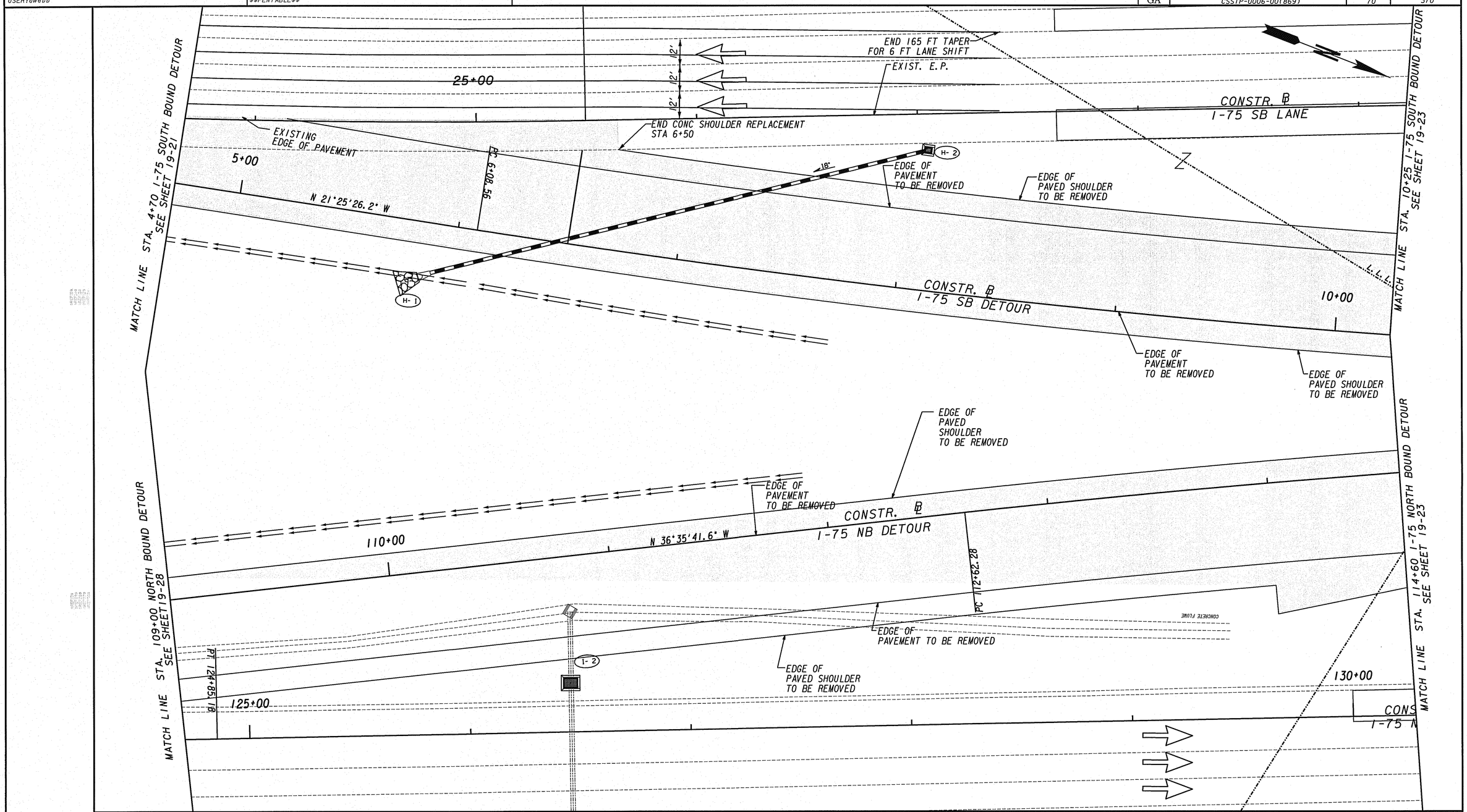

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0820

SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-22

GPLN

10/15/2009	10:35:31 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st23.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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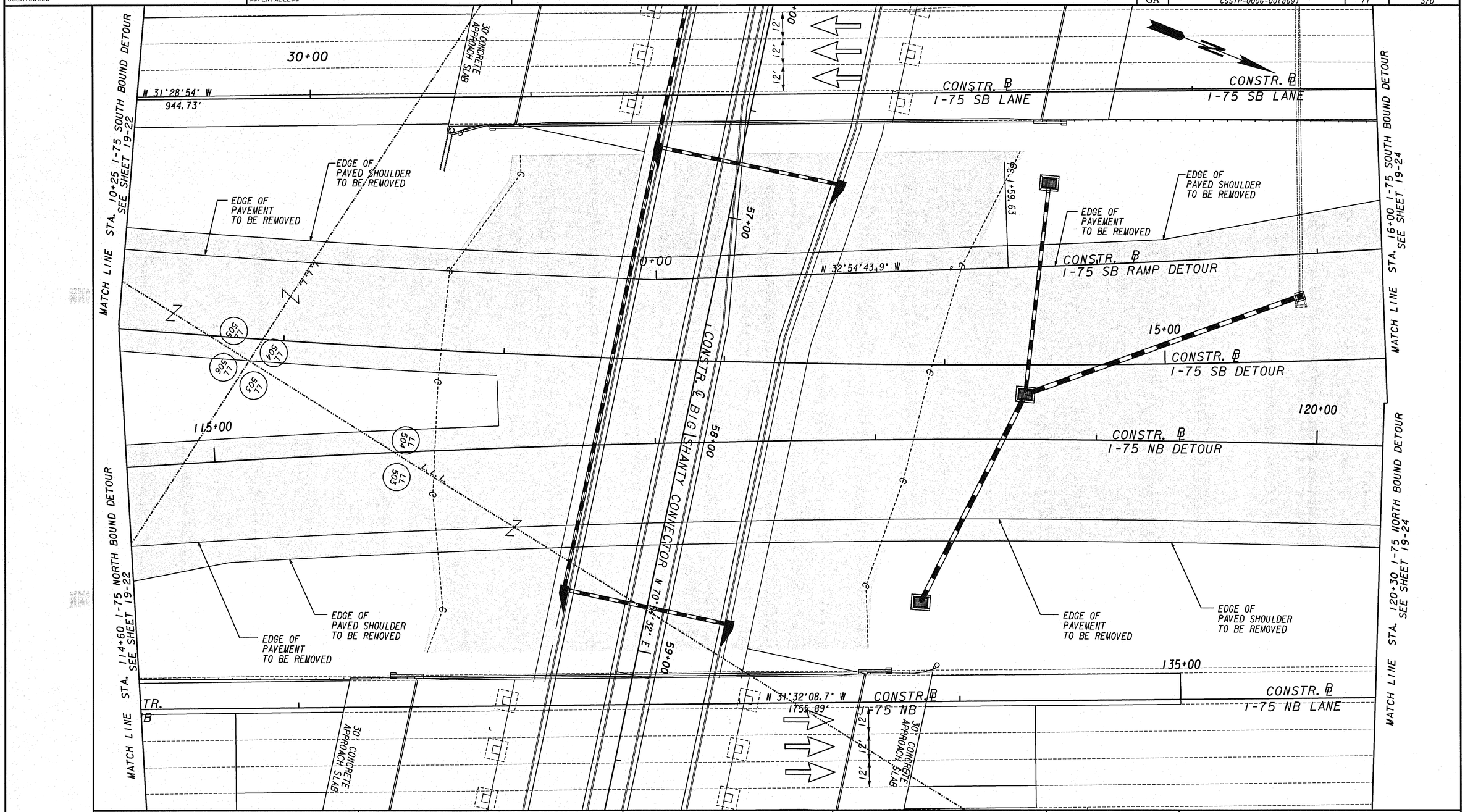

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING

Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0820

SCALE IN FEET

0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-23

GPLN

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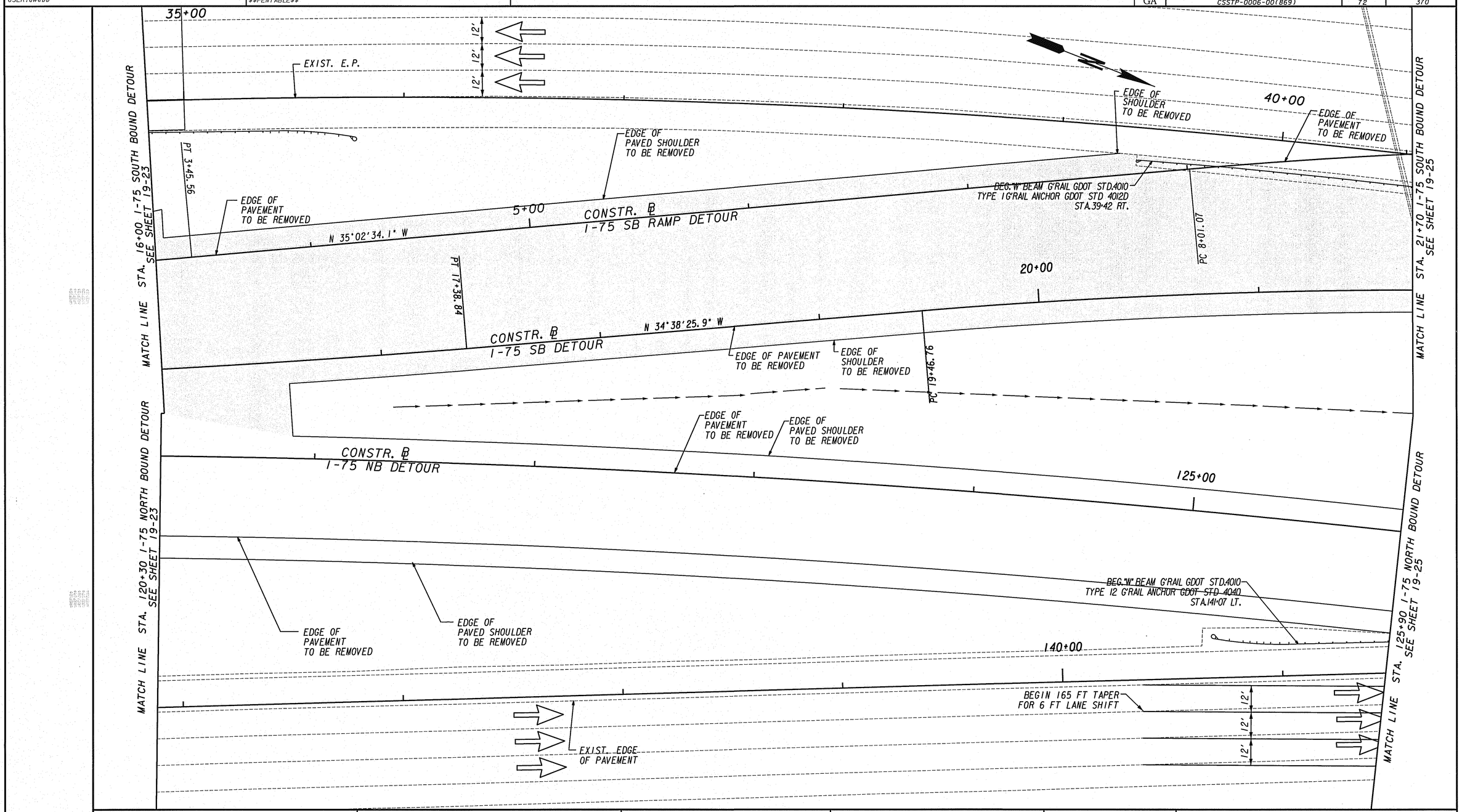

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

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MARIETTA, GA 30062
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SCALE IN FEET

0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-24

GPLN

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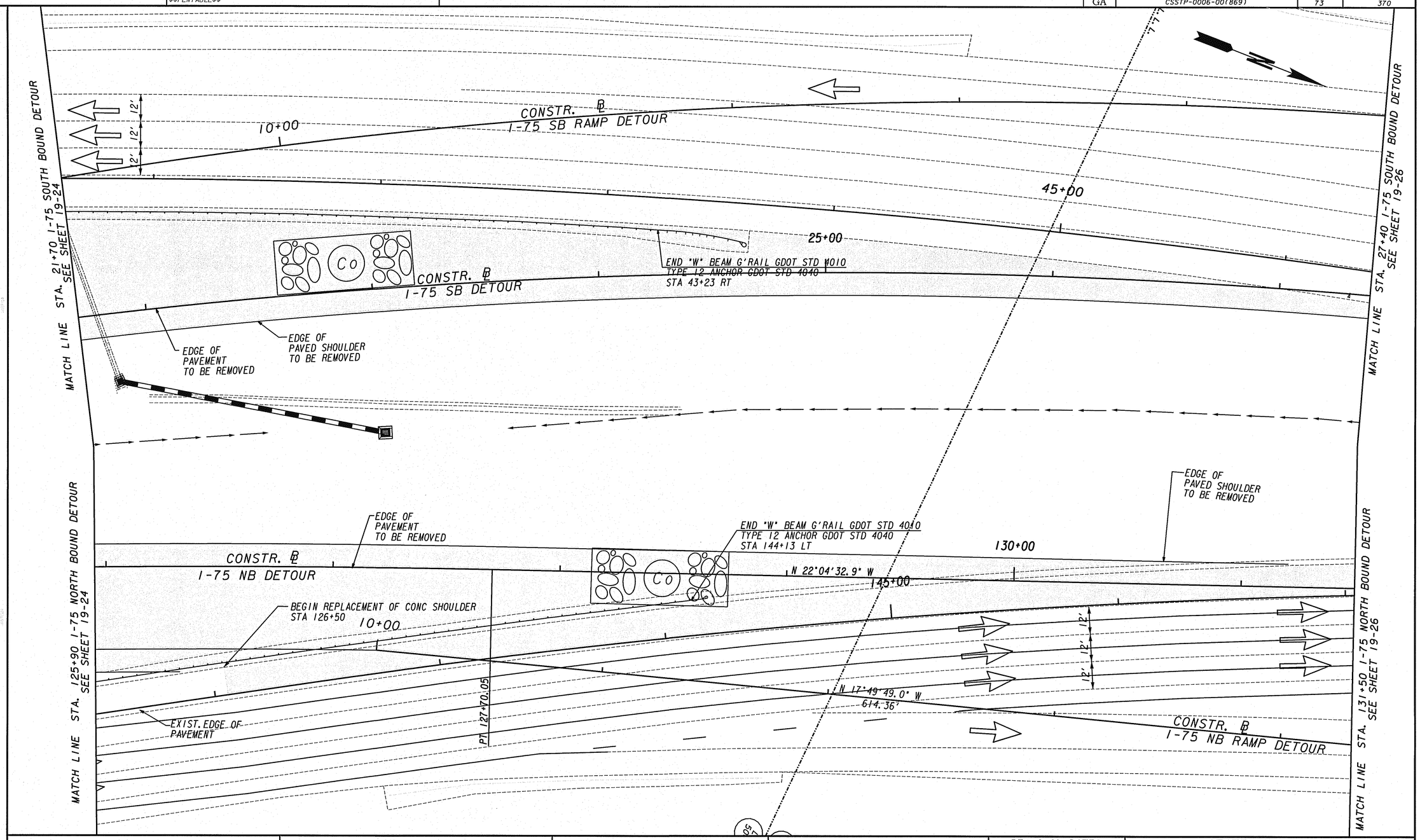

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

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MARIETTA, GA 30062
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SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-25

GPLN

10/15/2009 10:35:40 AM PRF
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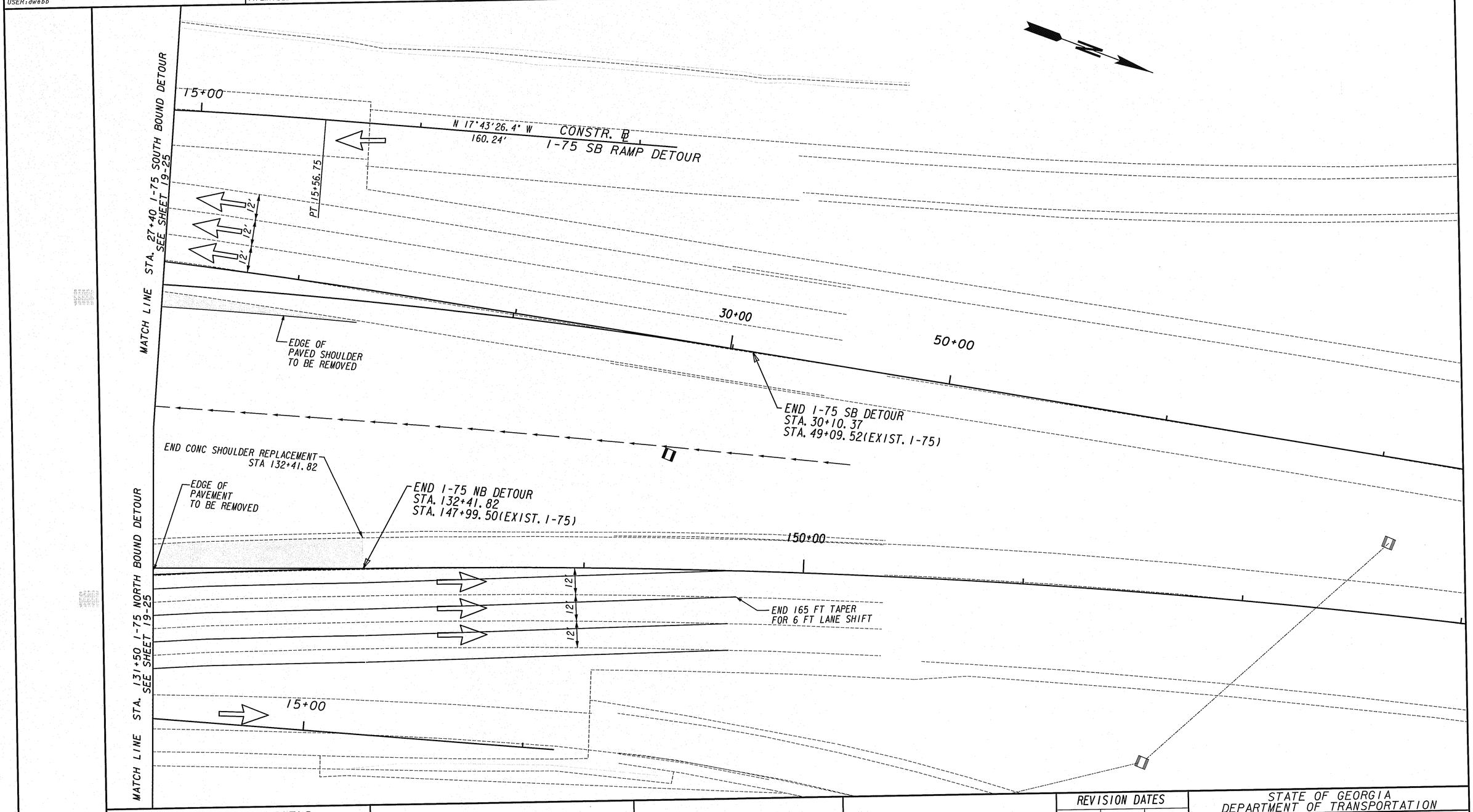

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
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SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-26

GPLN

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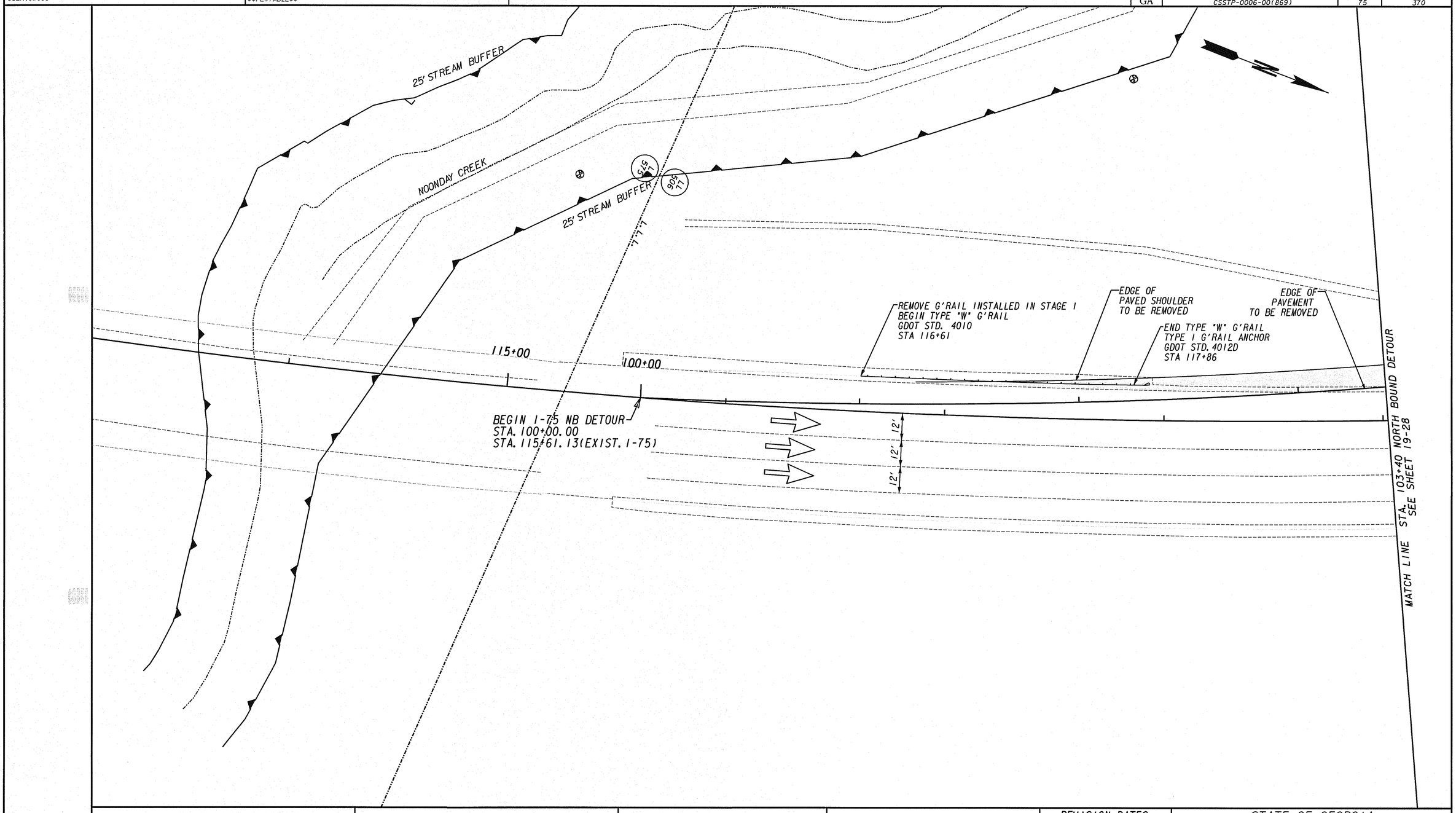

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-27

GPLN

10/15/2009	10:35:44 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869s128.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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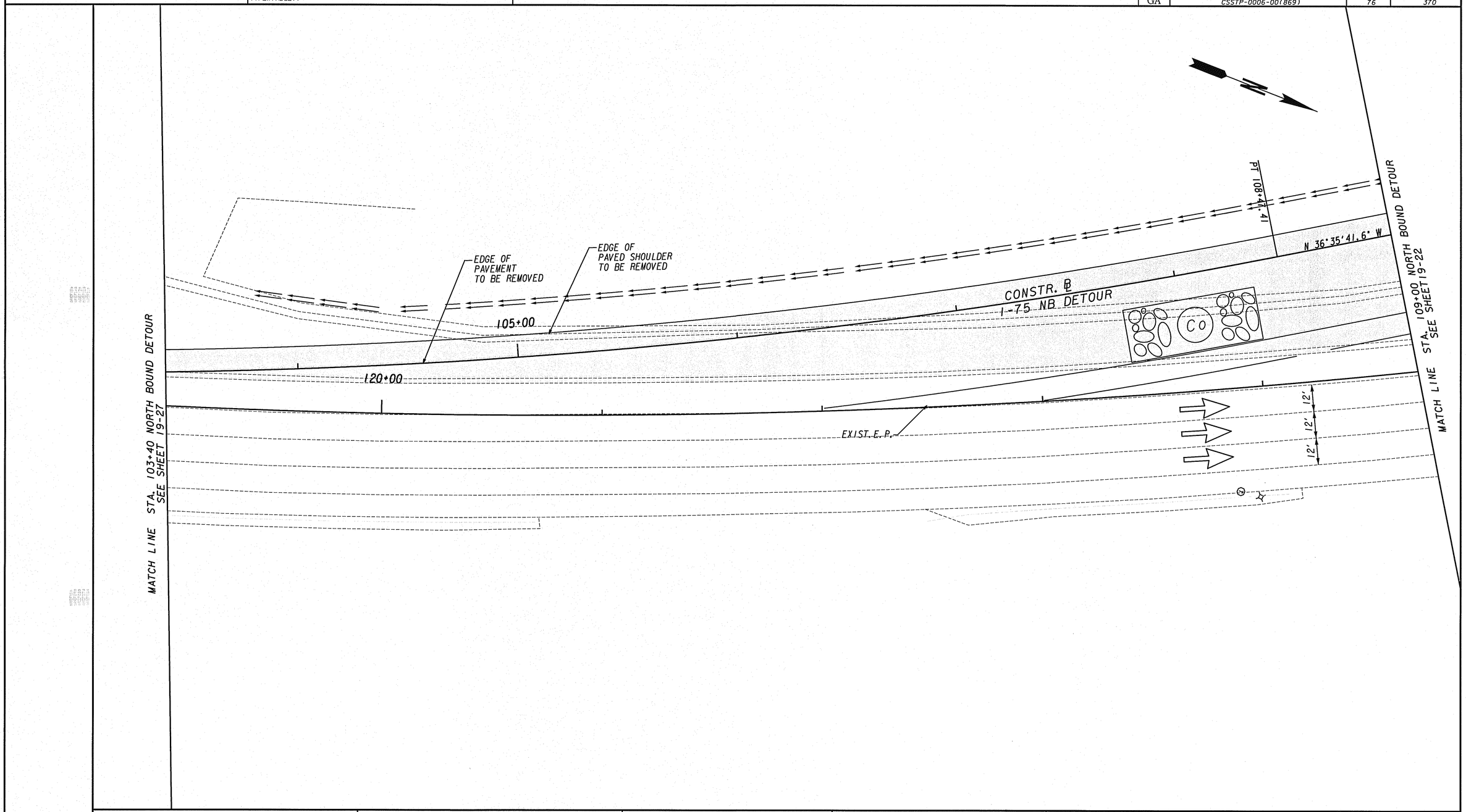

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
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200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
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SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-28

GPLN

10/15/2009 10:35:48 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st29.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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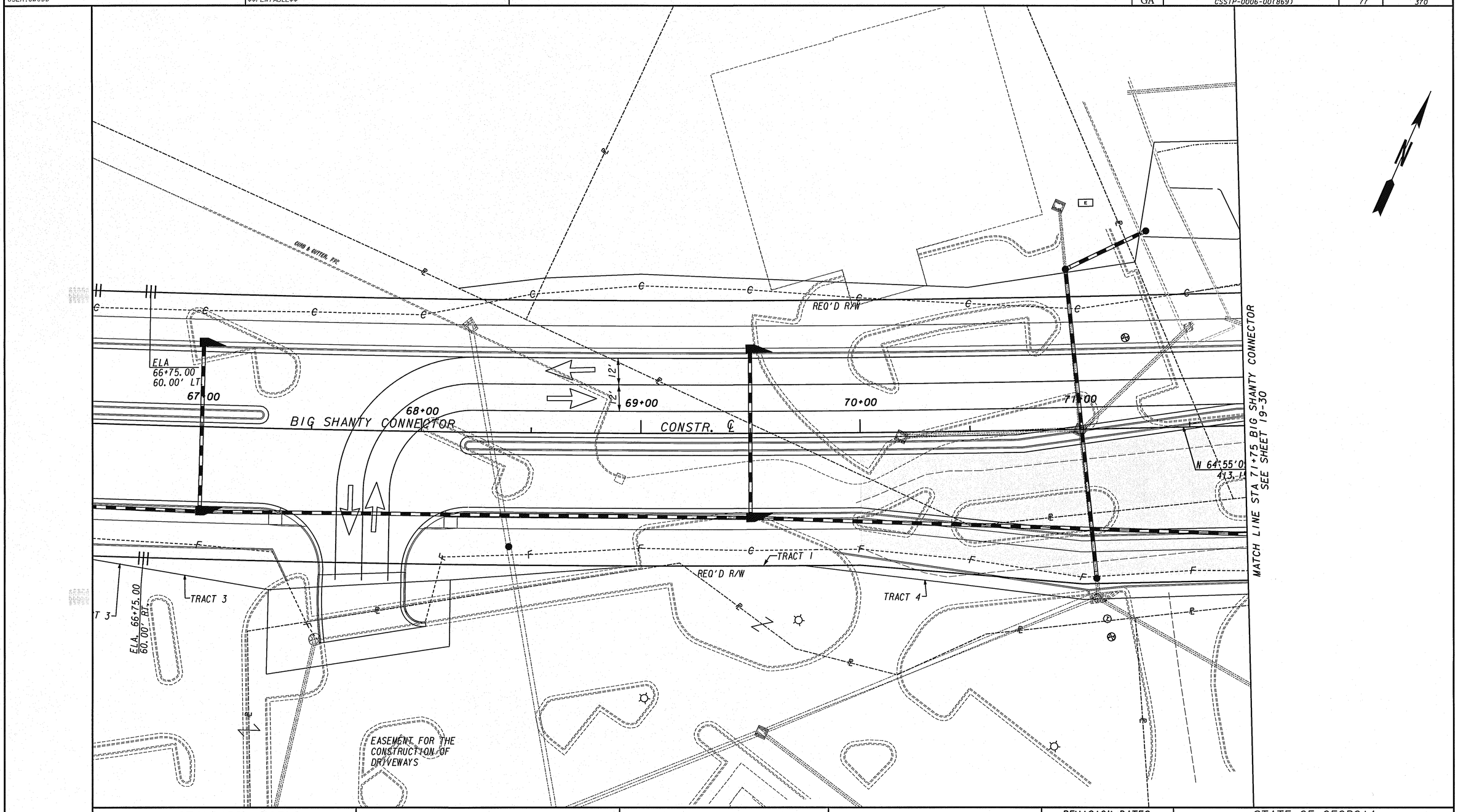

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-29

GPLN

10/15/2009 10:35:51 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869st30.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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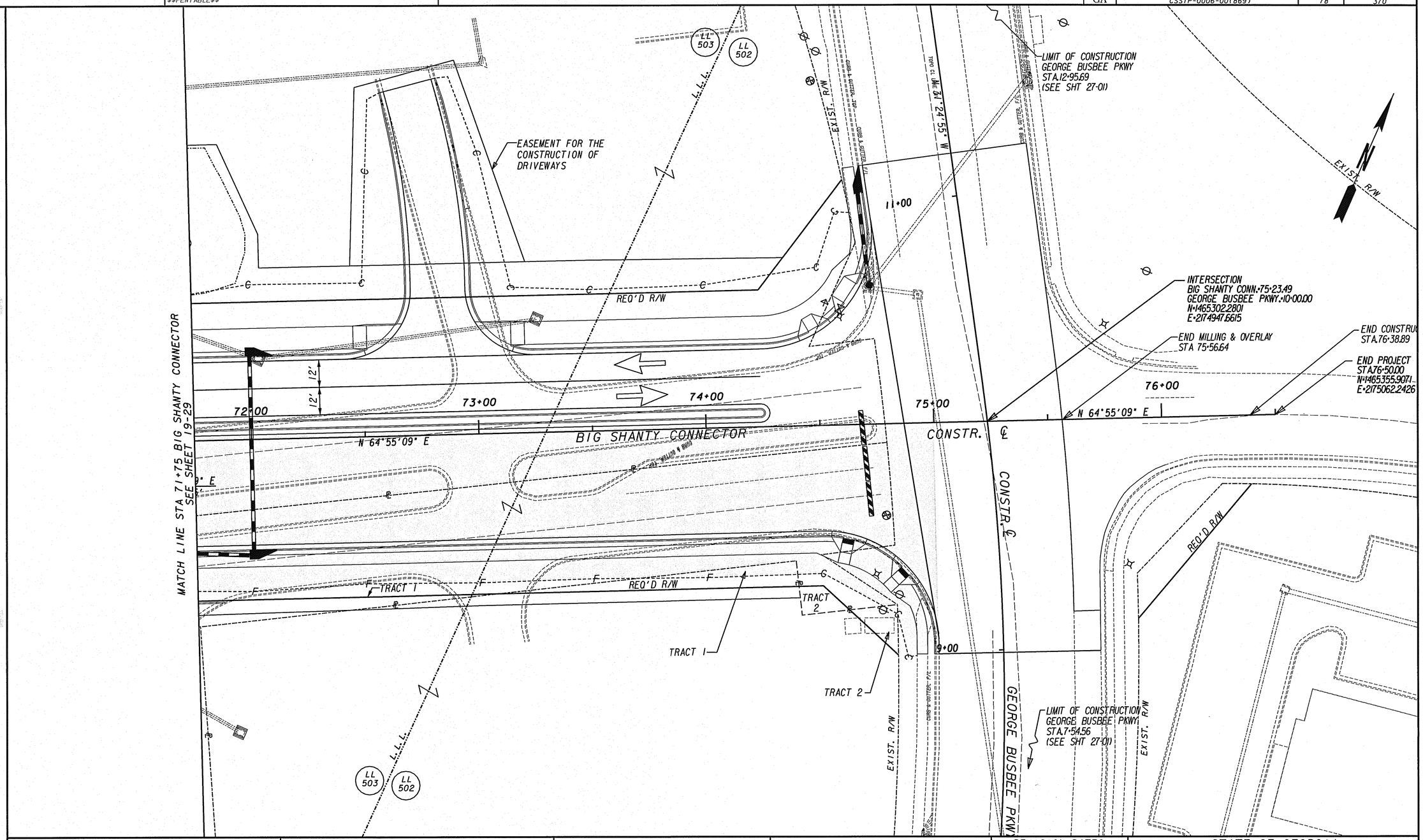

STANDARD LEGEND

STAGE 3 CONSTRUCTION

TRAFFIC FLOW INDICATORS

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING STAGE 3 PLAN

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 19-30

GPLN

10/15/2009 10:35:52 AM PRF y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sp01.dgn
USER:dwebb $$PENTABLE$$

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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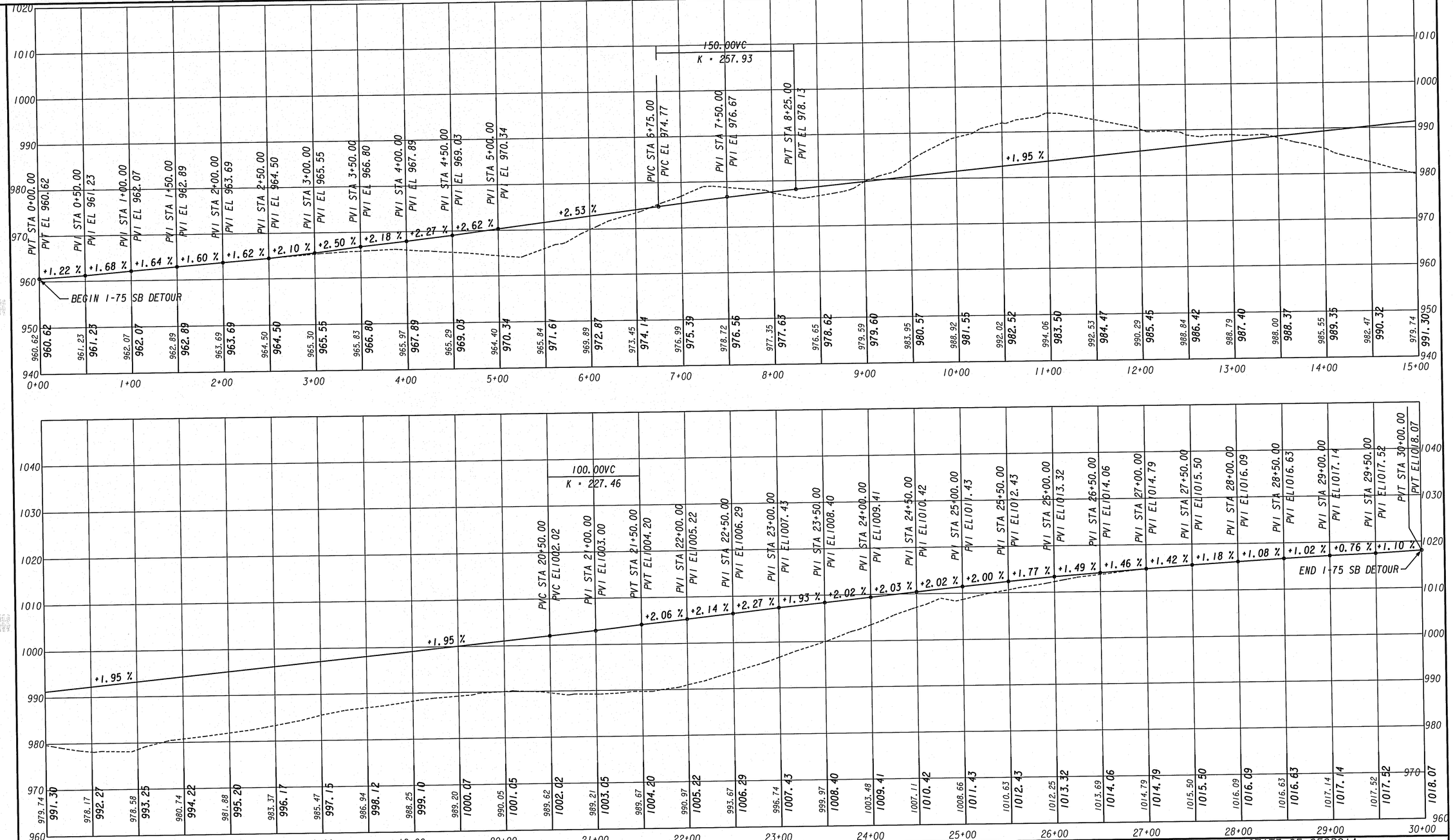

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200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE:
1" = 10' VERT.
1" = 50' HORZ.

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

I-75 SB DETOUR PROFILE

BIG SHANTY CONNNECTOR
PHASE 1

DRAWING No. 19-31

3/11/2007 GRIEDG

10/15/2009 10:35:54 AM PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sp02.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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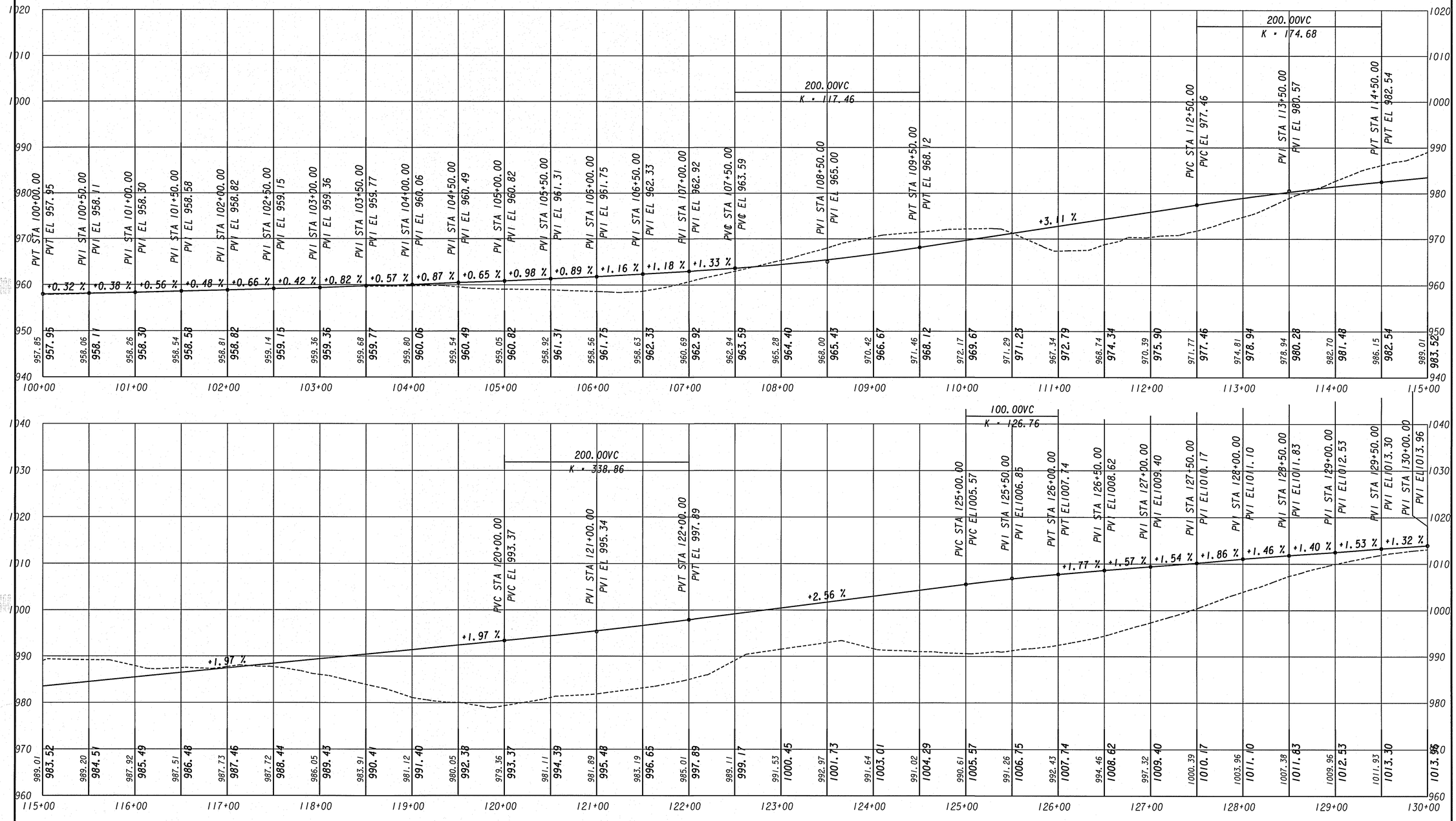

3/1/2007 GR2EDG

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE:
1" = 10' VERT.
1" = 50' HORZ.

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

I-75 NB DETOUR PROFILE

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-32

10/15/2009 10:35:54 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sp02.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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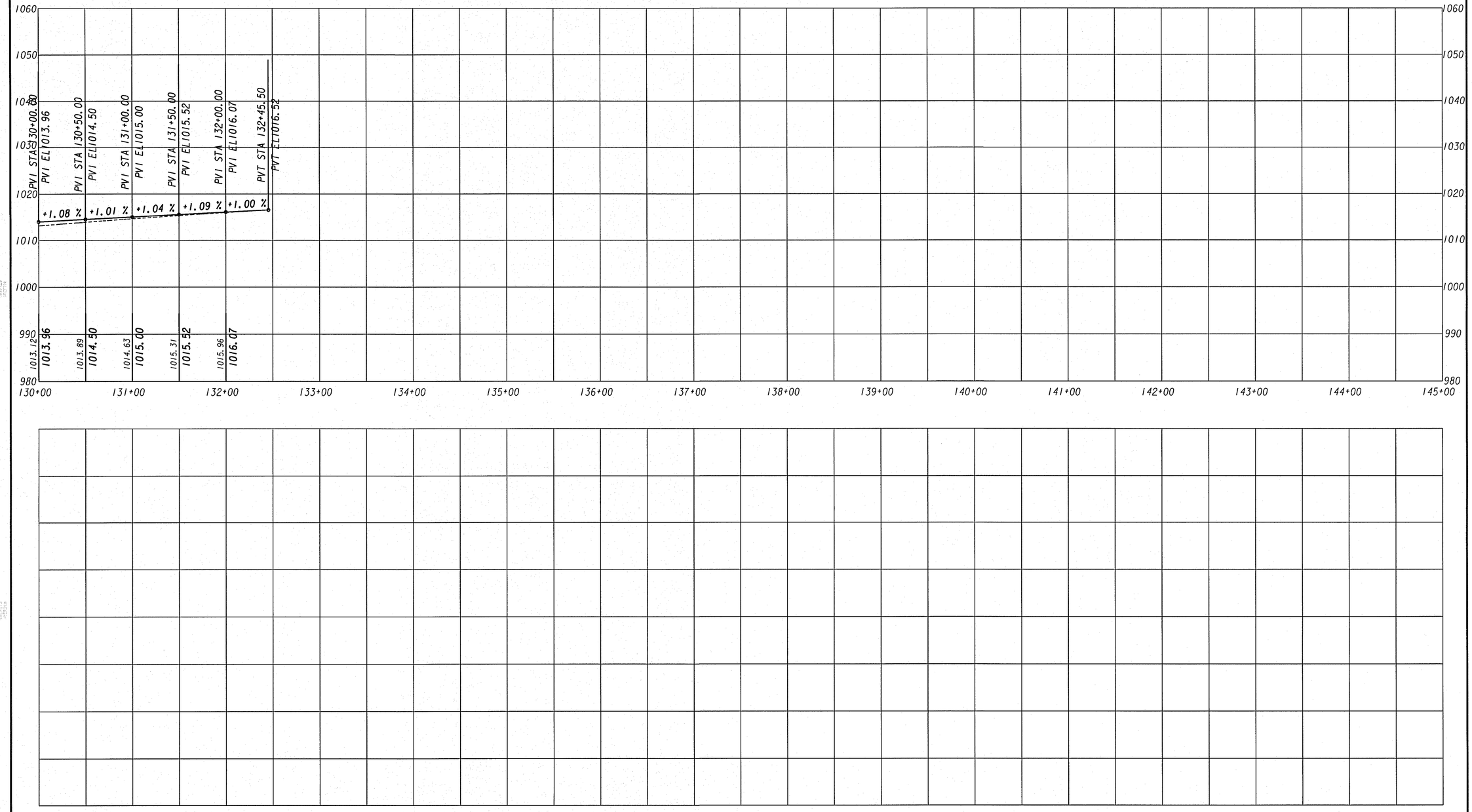

		CROY ENGINEERING (Engineers Planners Surveyors) 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413 MARIETTA, GA 30062 PHONE: (770) 971-5407 FAX: (770) 971-0620	SCALE: 1" = 10' VERT. 1" = 50' HORZ.	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: I-75 NB DETOUR PROFILE BIG SHANTY CONNECTOR PHASE I	DRAWING No. 19-33

3/1/2007 GR2EDG

10/15/2009 10:35:56 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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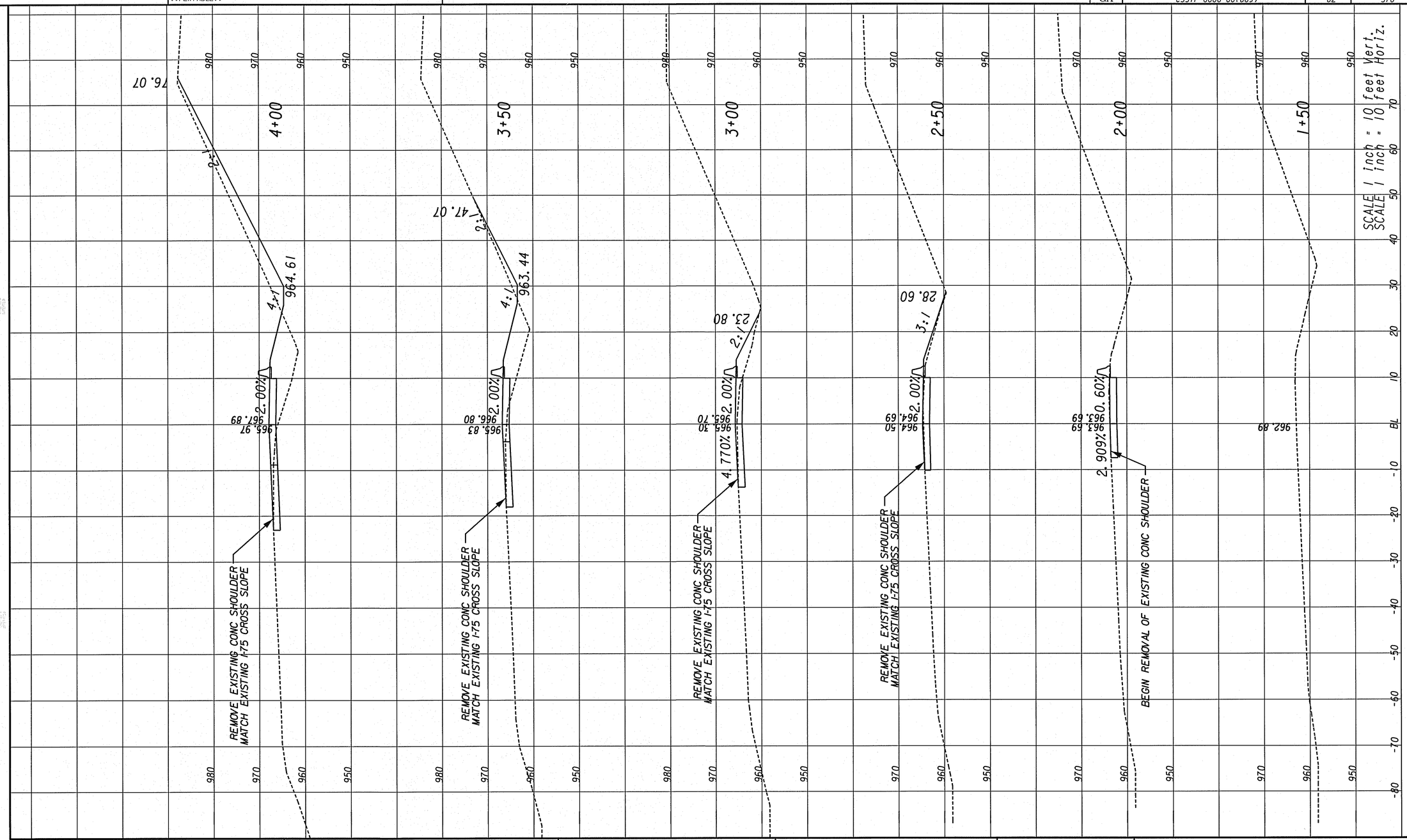

CROY ENGINEERING
Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-34

3/1/2007 SUXEN

10/15/2009
USER:dwebb

10:35:56 AM PRF
$$PENTABLE$$

y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	83	370

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

8+50 8+00 7+50 7+00 6+50 6+00 5+50 5+00 4+50

28.99 23.65 34.56 39.11 46.26 49.76 58.64 67.47 75.30

4:1 4:1 4:1 4:1 4:1 4:1 4:1 4:1 4:1

973.28 972.11 970.86 969.59 968.33 967.06 965.75

2.00% 2.00% 2.00% 2.00% 2.00% 2.00% 2.00%

976.64 977.63 976.72 976.99 973.45 969.89 971.61 964.40 965.29
978.62 977.35 978.56 975.39 974.14 972.87 965.84 970.34 969.03

2.650% 2.650% 2.650% 2.650% 2.650% 2.884% 3.352%

2.65% 2.65% 2.65% 2.65% 1.357% 1.599% 2.012%

6:1 6:1

975.20 974.58

-69.42 -68.25 -56.25 -51.28

REMOVE EXISTING CONC SHOULDER

REMOVE EXISTING CONC SHOULDER

REMOVE EXISTING CONC SHOULDER

REMOVE EXISTING CONC SHOULDER MATCH EXISTING I-75 CROSS SLOPE

REMOVE EXISTING CONC SHOULDER MATCH EXISTING I-75 CROSS SLOPE

980 970 960 BL -10 -20 -30 -40 -50 -60 -70 -80

3/1/2007 SUXEN

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200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-35

10/15/2009 10:35:56 AM PRF
USER:dwebb $$PENTABLE$$
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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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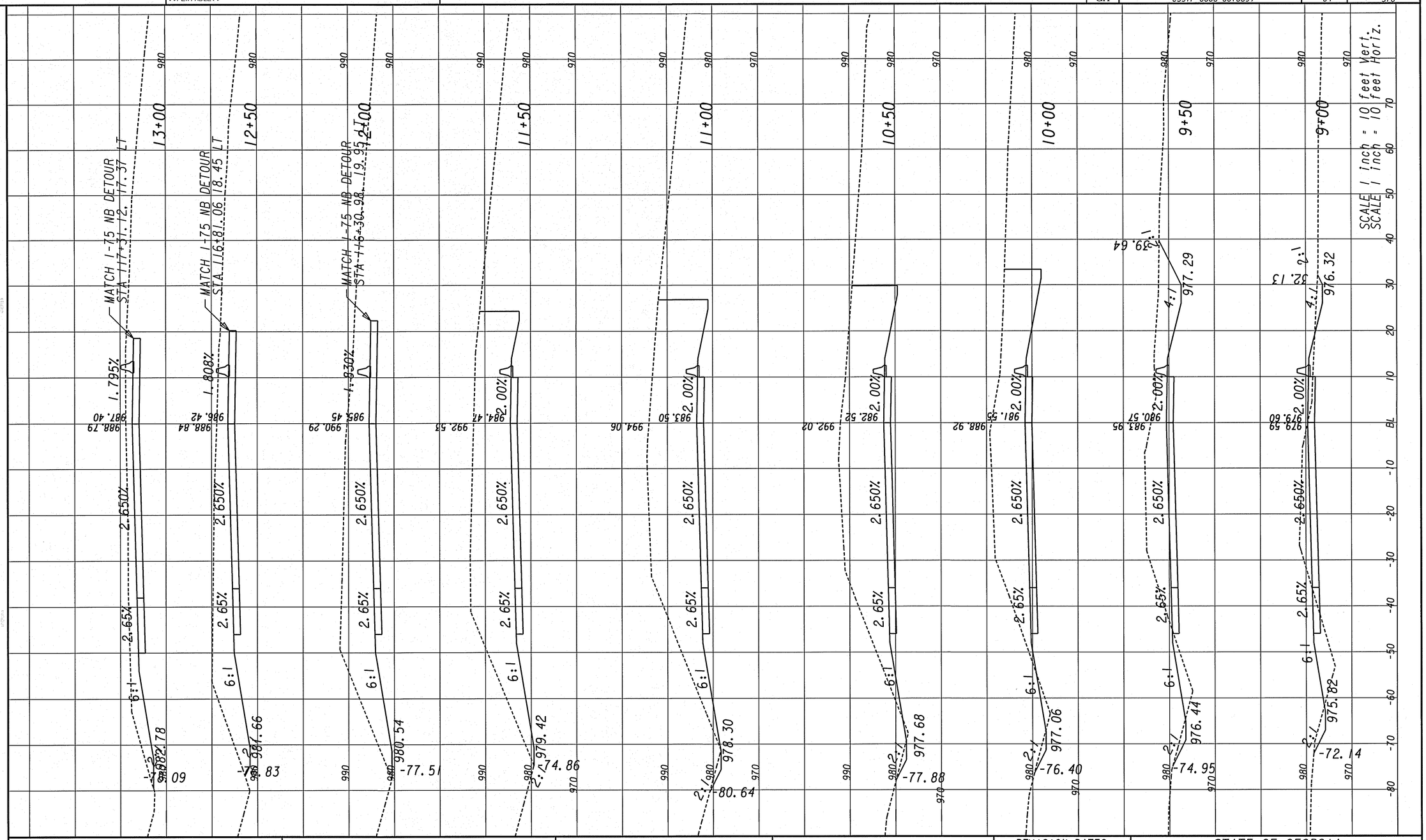

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MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-36

3/1/2007 SUKEN

10/15/2009 10:35:57 AM
USER:dwebb

PRF
$$PENTABLE$$

y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	85	370

17+00
MATCH I-75 NB DETOUR STA 120+81.37, 21.63 LT
16+50
MATCH I-75 NB DETOUR STA 120+31.33, 19.75 LT
16+00
MATCH I-75 NB DETOUR STA 119+81.30, 18.30 LT
15+50
MATCH I-75 NB DETOUR STA 119+31.27, 17.27 LT
15+00
MATCH I-75 NB DETOUR STA 118+81.24, 16.66LT
14+50
MATCH I-75 NB DETOUR STA 118+31.21, 16.48 LT
14+00
MATCH I-75 NB DETOUR STA 117+81.17, 16.72 LT
13+50

995.20 2.00% 981.88
994.22 1.963% 980.74
993.25 1.930% 978.58
992.27 1.894% 978.17
991.30 1.859% 979.74
990.32 1.827% 982.47
989.35 1.804% 986.55
988.37 1.794% 988.00

2.514% 2.51% 6:1 991.54 2:1 985.15
2.650% 2.65% 6:1 989.87 2:1
2.650% 2.65% 6:1 988.73 2:1
2.650% 2.65% 6:1 987.59 2:1
2.650% 2.65% 6:1 986.45 2:1
2.650% 2.65% 6:1 985.27 2:1
2.650% 2.65% 6:1 984.10 2:1
2.650% 2.65% 6:1 983.90 2:1 983.51

990 980 970

SCALE 1 inch = 10 feet Vert.
SCALE 1 inch = 10 feet Horiz.

BL 10 20 30 40 50 60 70 -10 -20 -30 -40 -50 -60 -70 -80

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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-37

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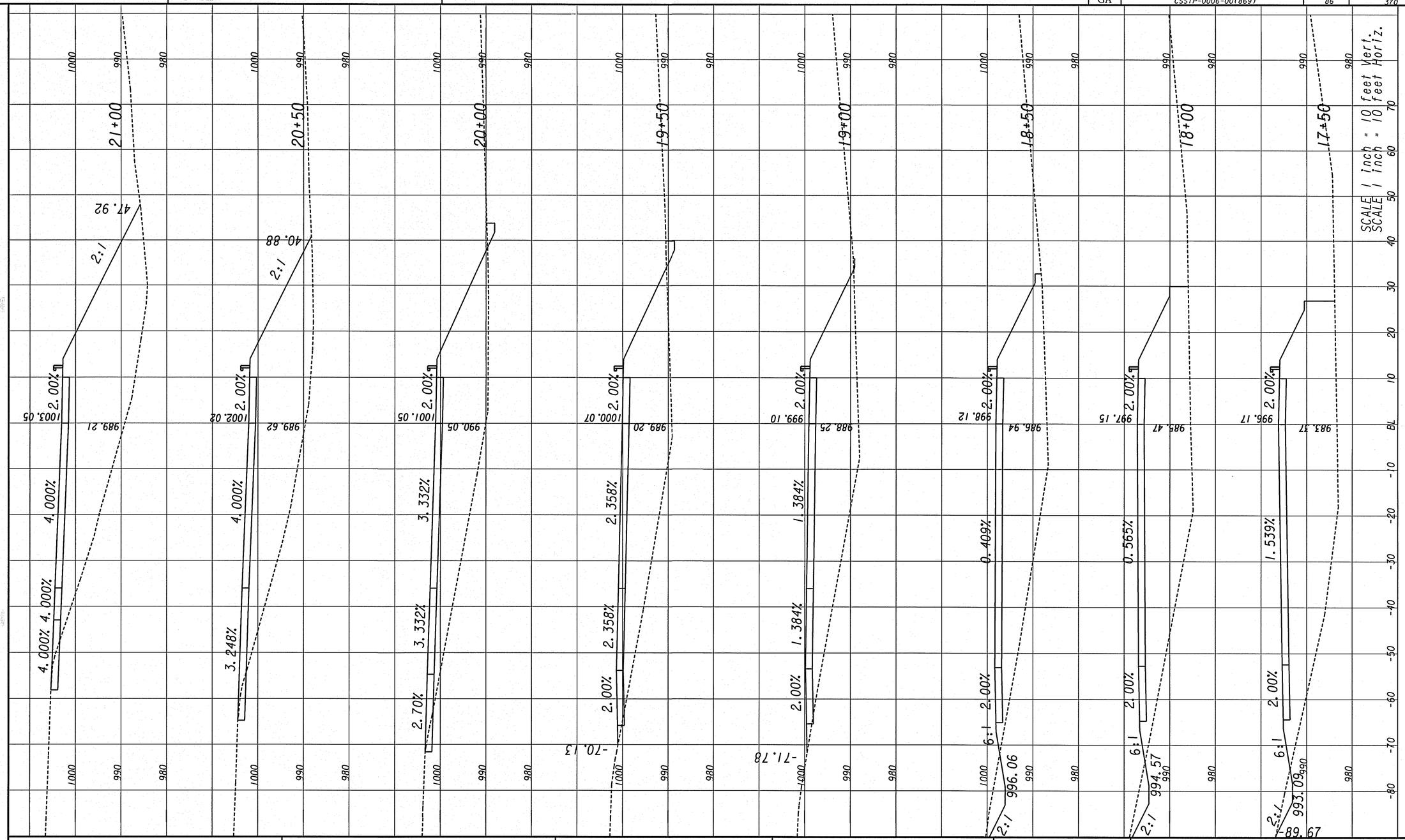
GA	CSSTP-0006-00(869)	86	370



REVISION DATES		

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MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

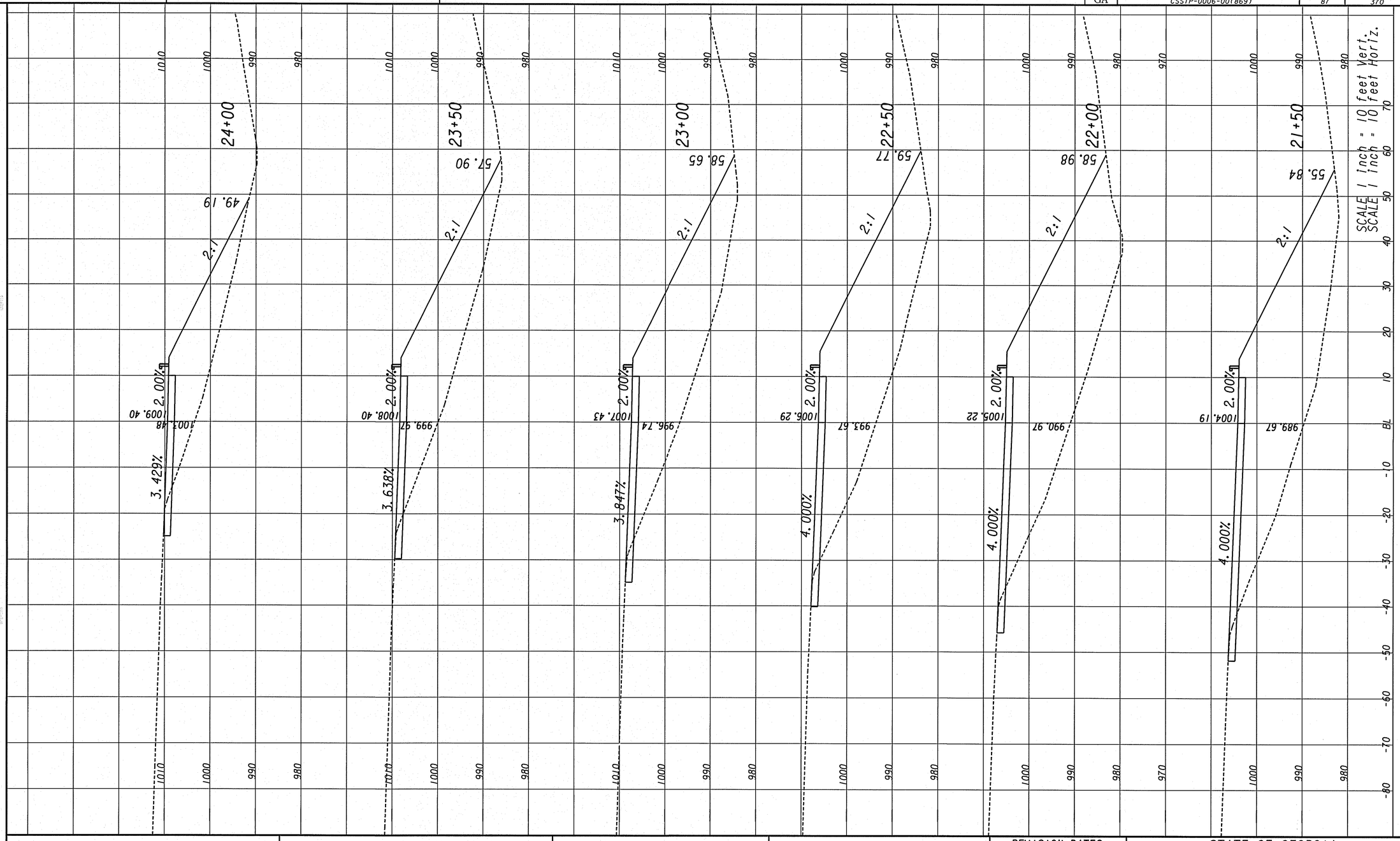
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR

DRAWING No. 19-38

3/1/2007 SUXEN



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PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-39

3/1/2007 SUXEN

10/15/2009
USER:dwebb

10:35:57 AM PRF
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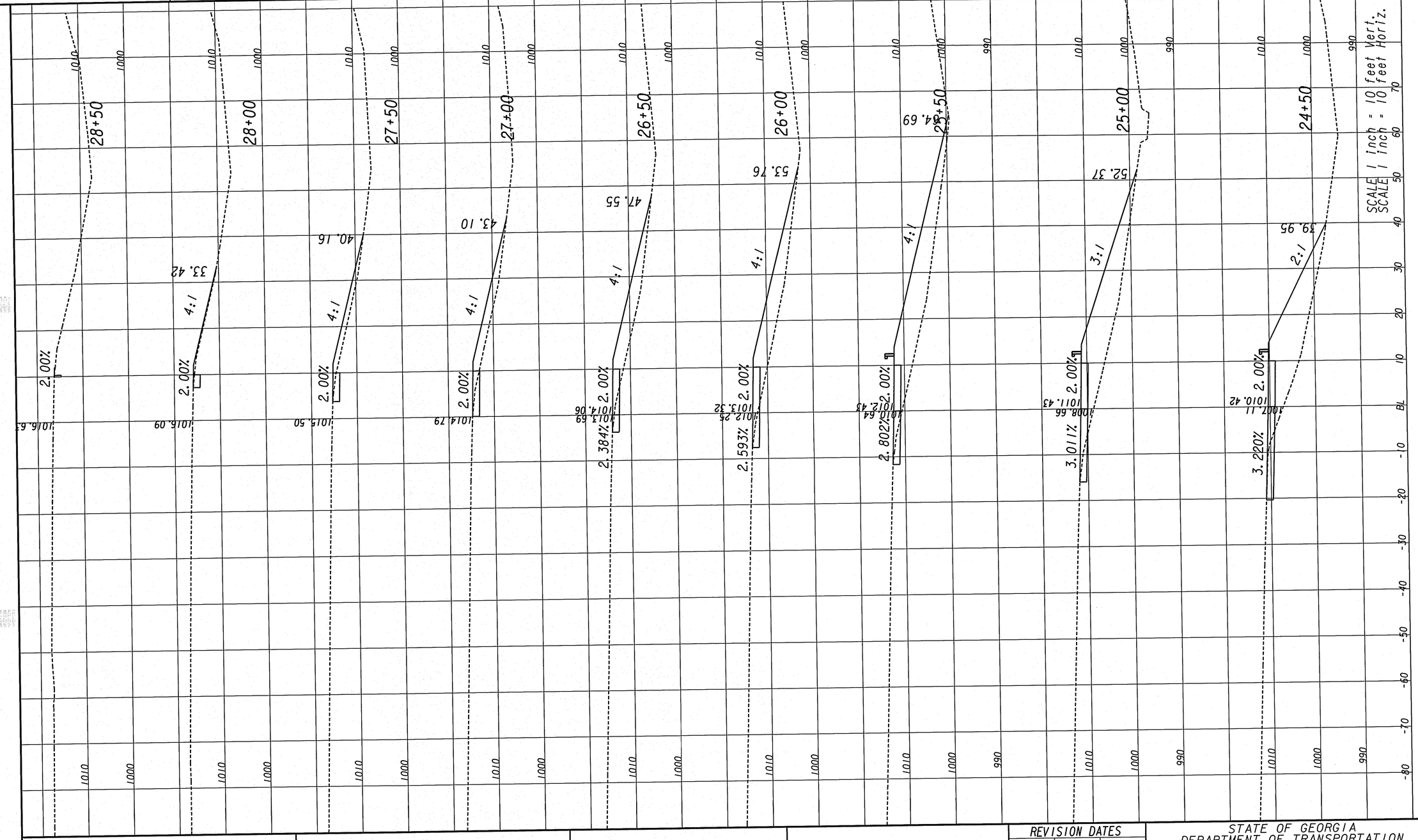
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	88	370



CROY ENGINEERING
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Surveyors

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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

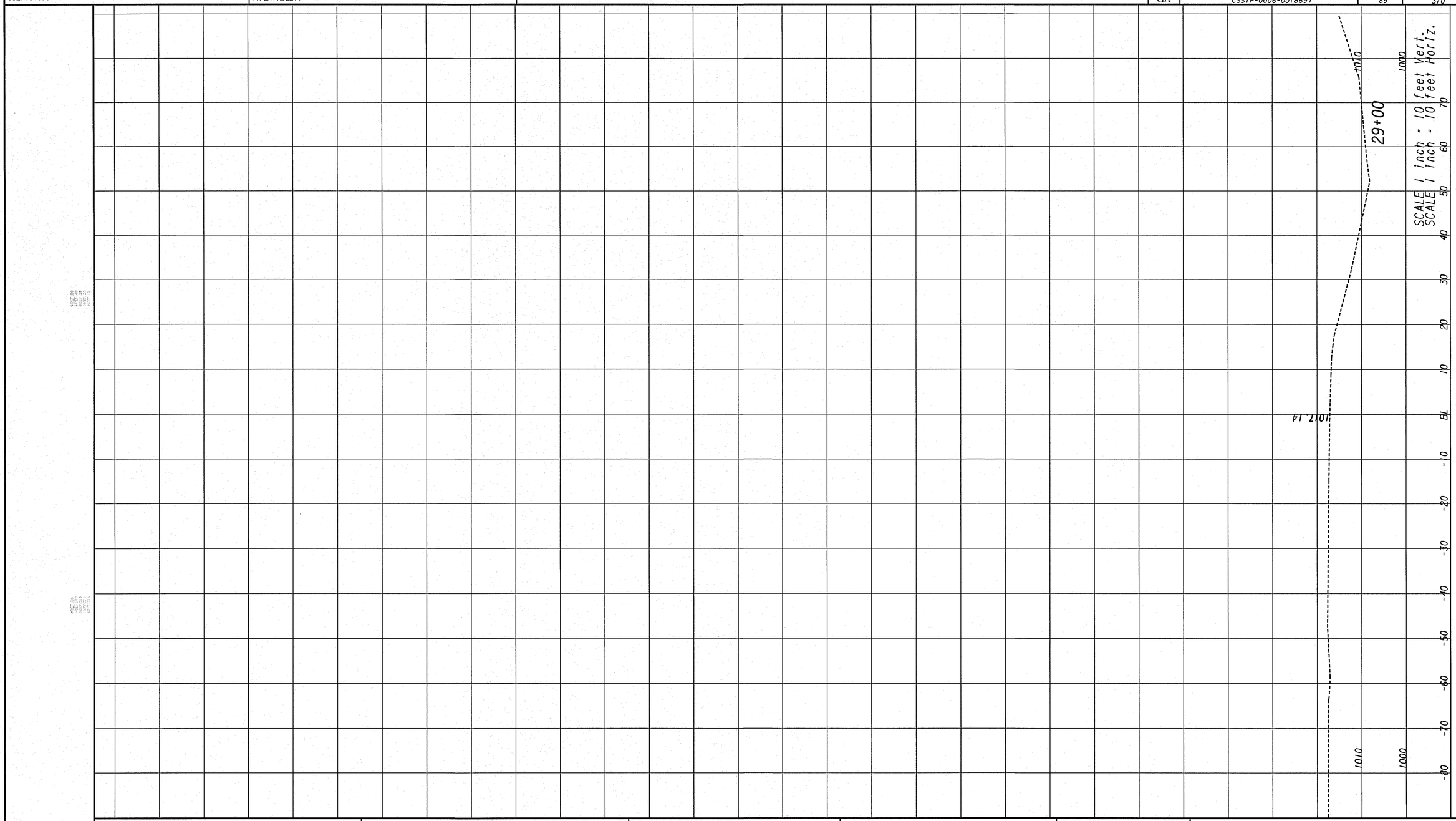
CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-40

3/1/2007 SUXEN

10/15/2009 10:35:59 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	89	370



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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-41

3/1/2007 SUXEN

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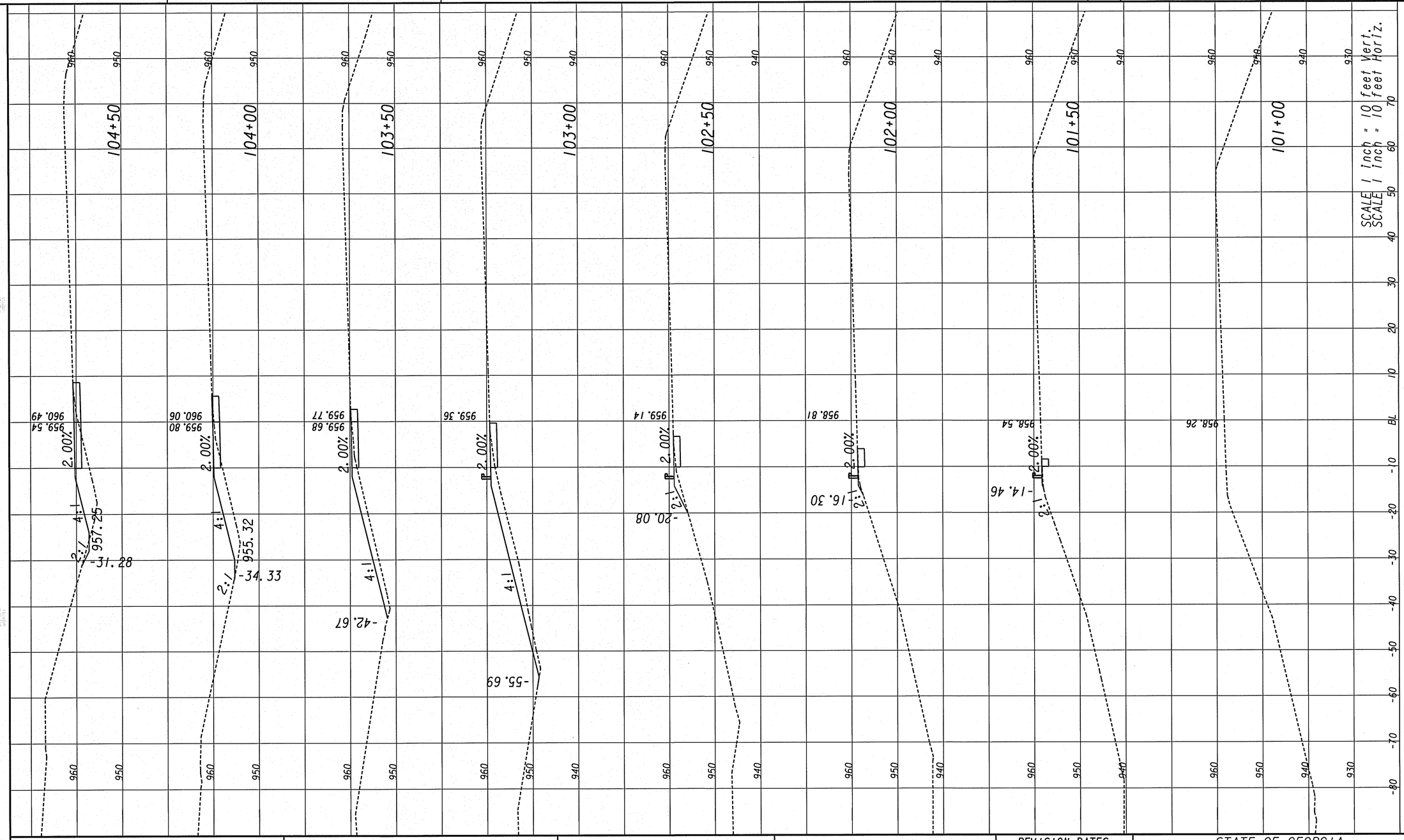
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	90	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-42

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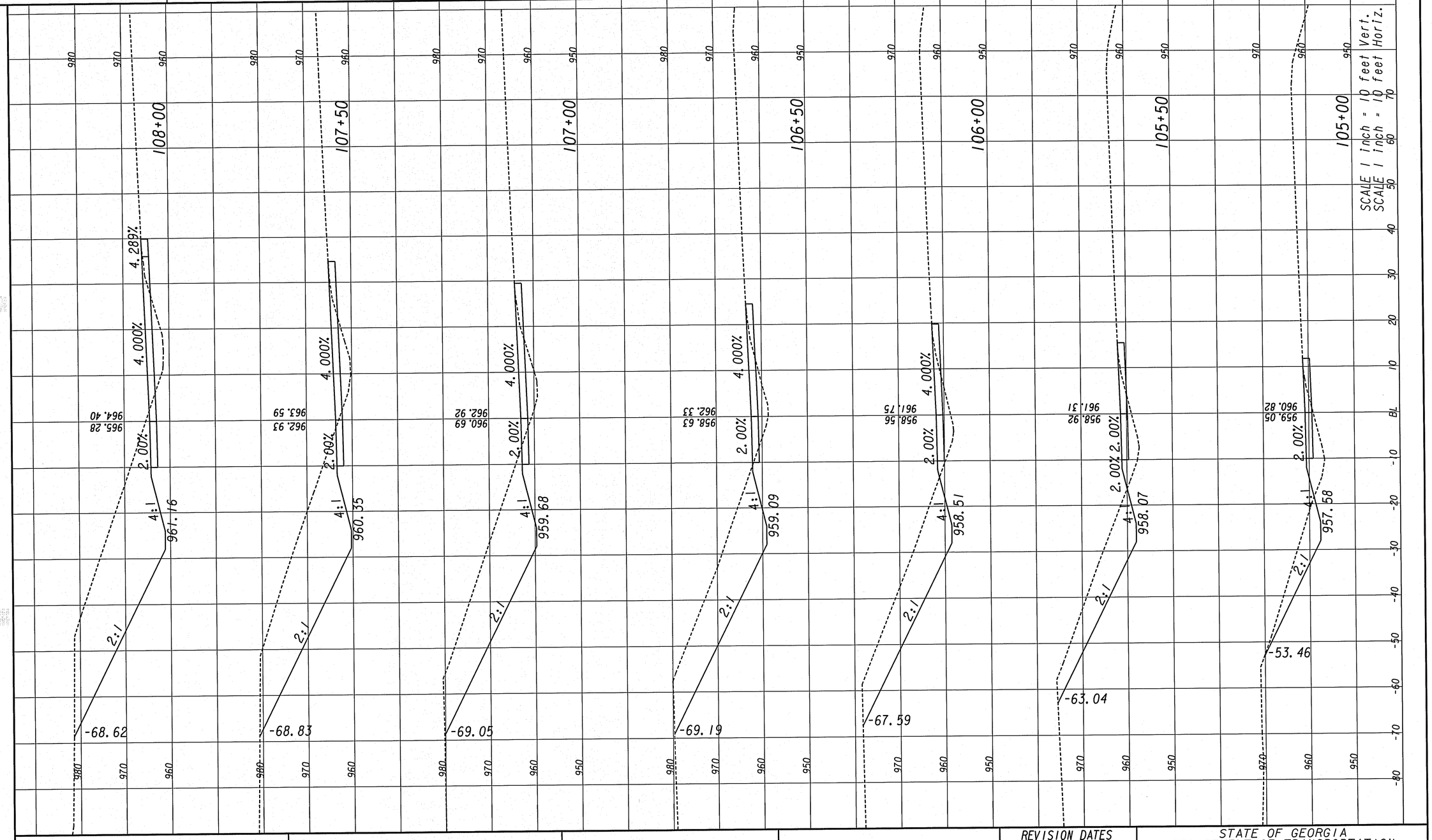
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	91	370



REVISION DATES		

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

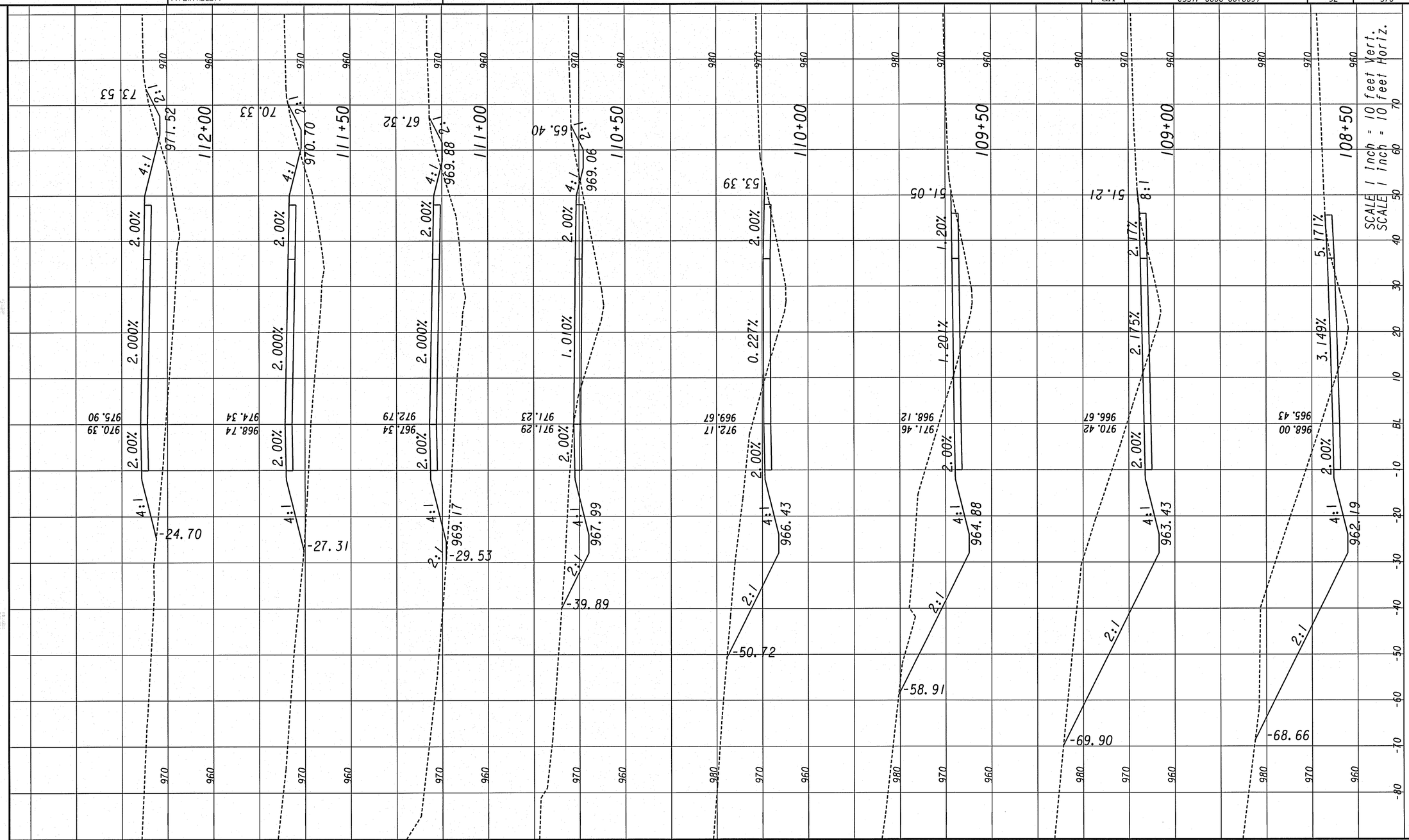
CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-43

3/1/2007 SUXEN

10/15/2009 10:35:58 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	92	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-44

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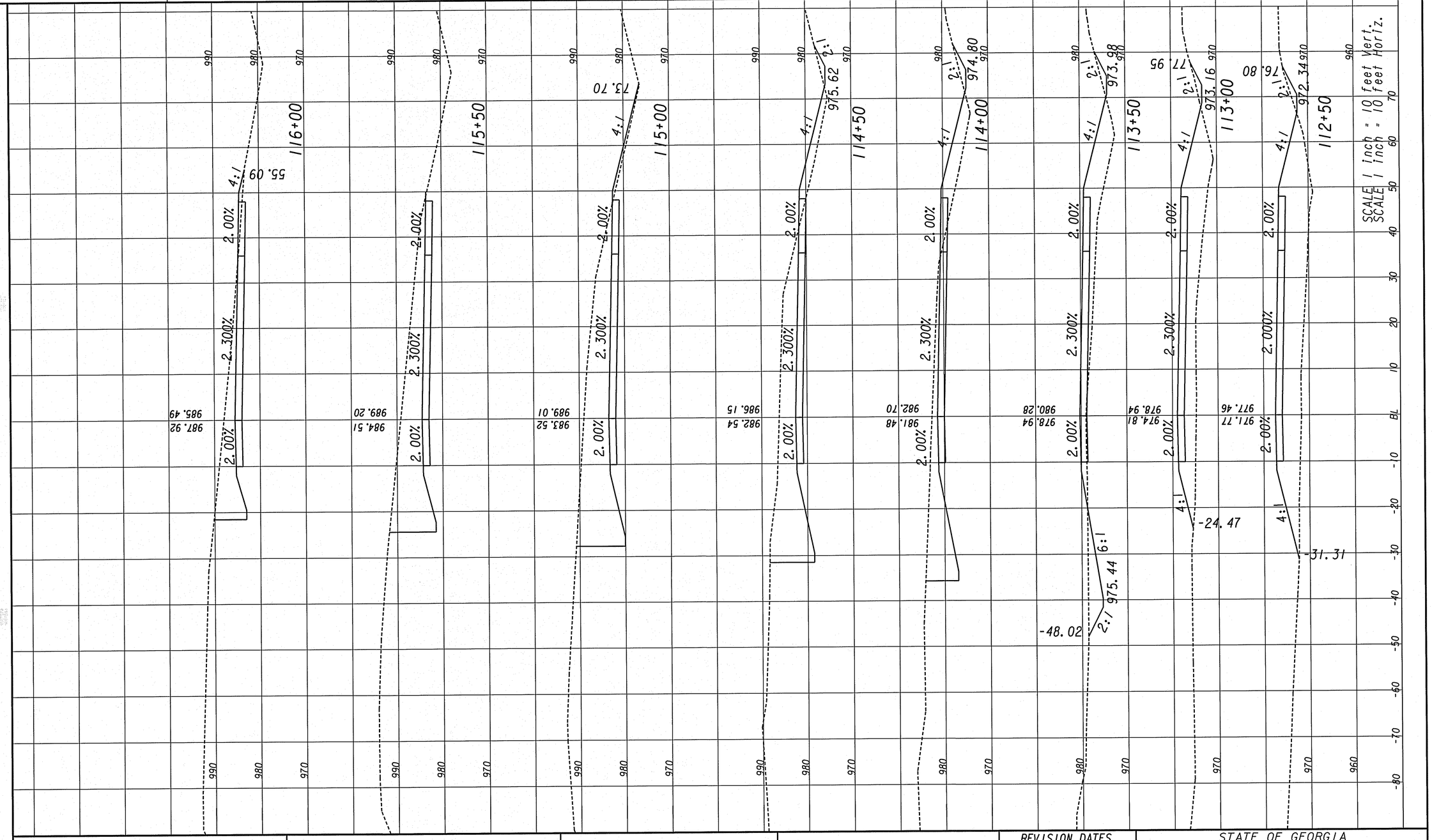
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	93	370



REVISION DATES		

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-45

3/1/2007 SUKEN

10/15/2009
USER:dwebb

10:35:58 AM PRF
$$PENTABLE$$

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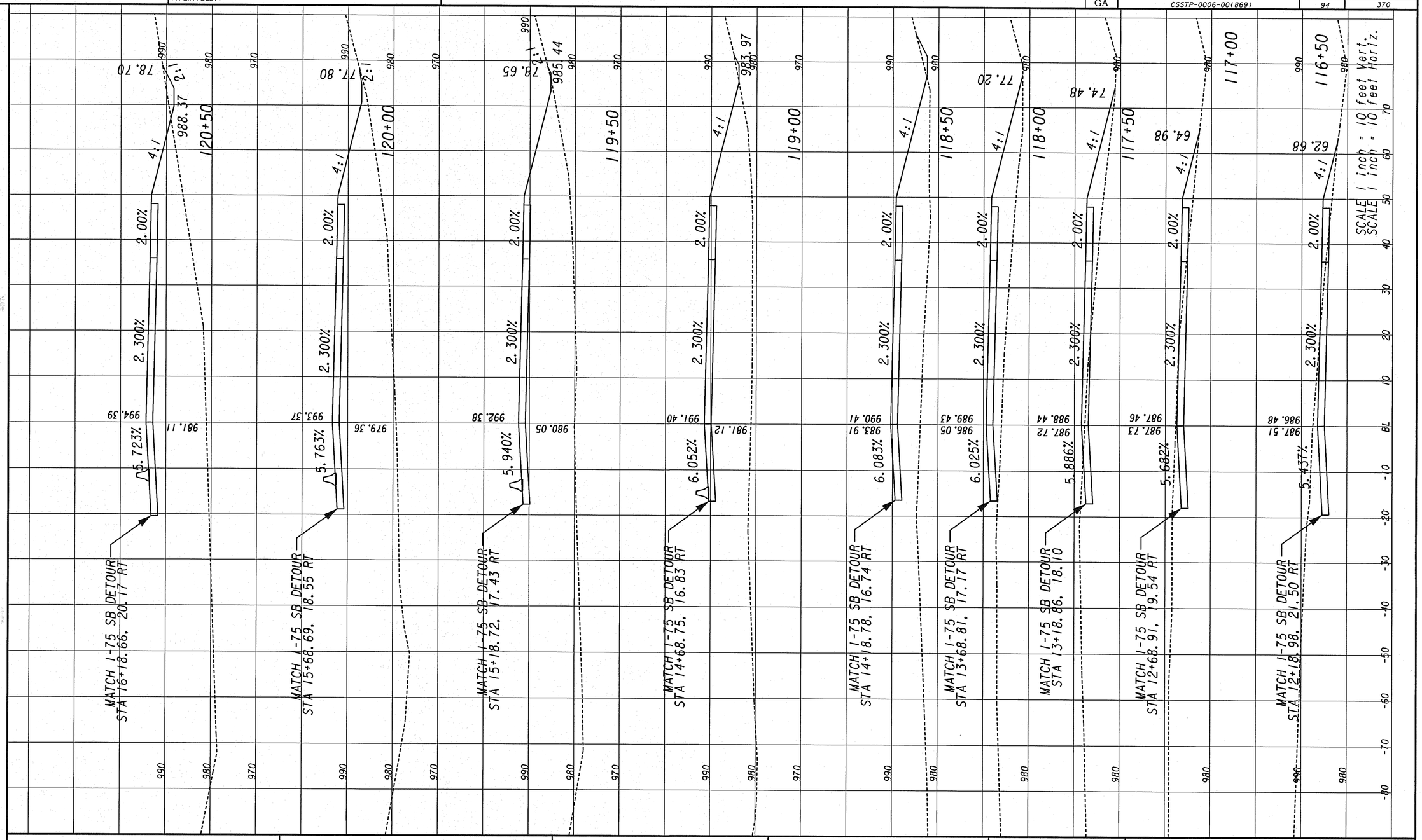
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	94	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-46

3/1/2007 SUYEN

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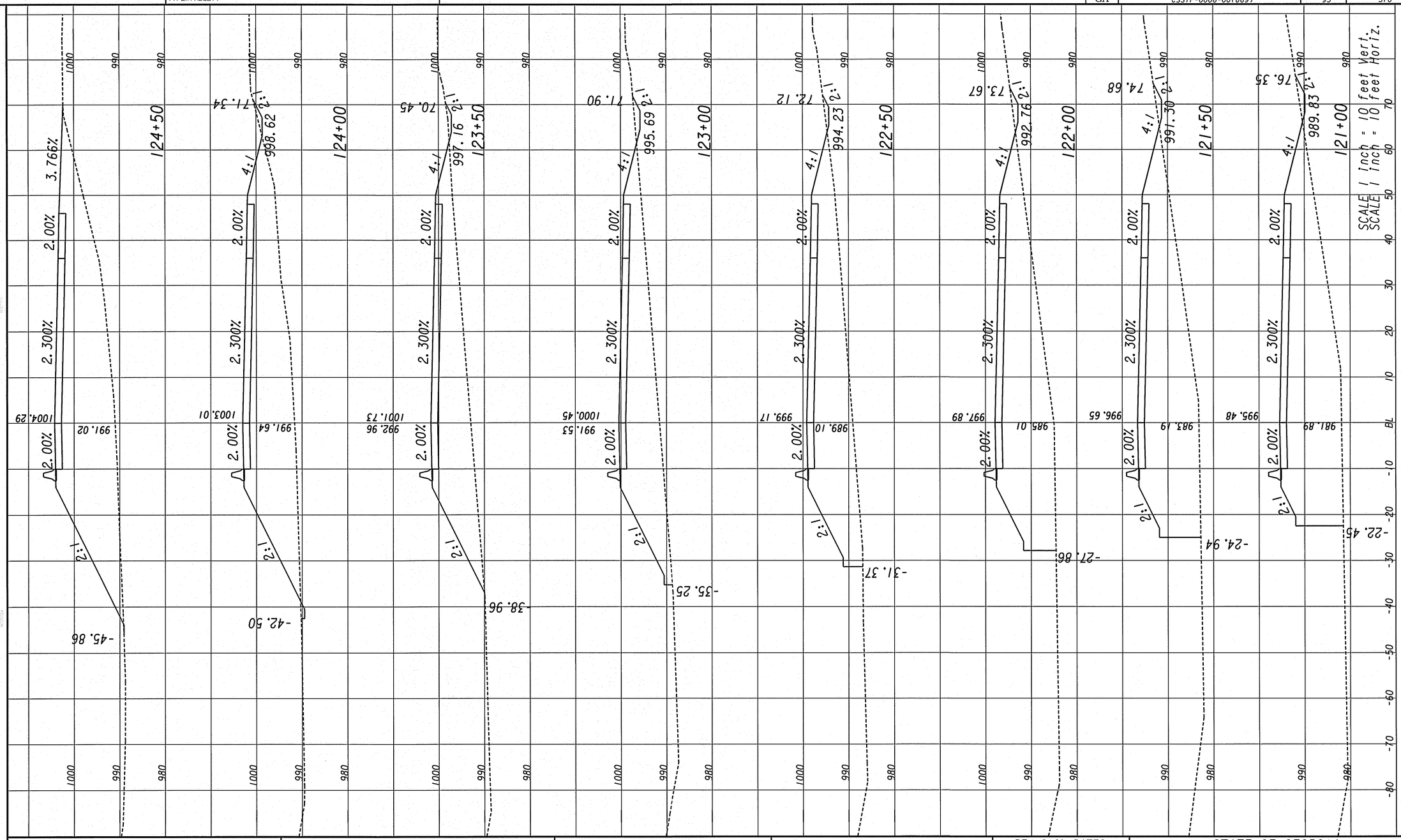

3/1/2007 SUXEN

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-47

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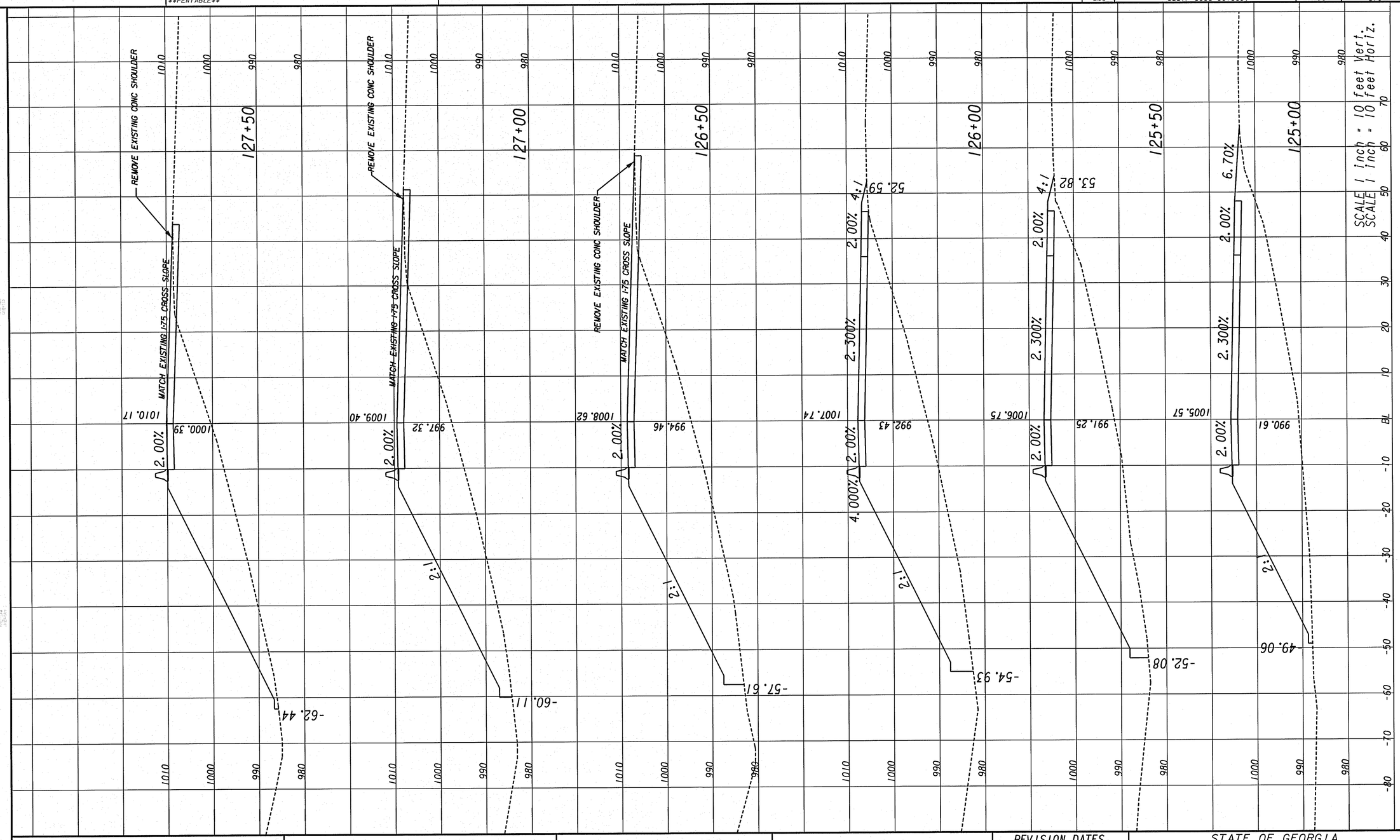
GA	CSSTP-0006-00(869)	96	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-48

3/1/2007 SUKEN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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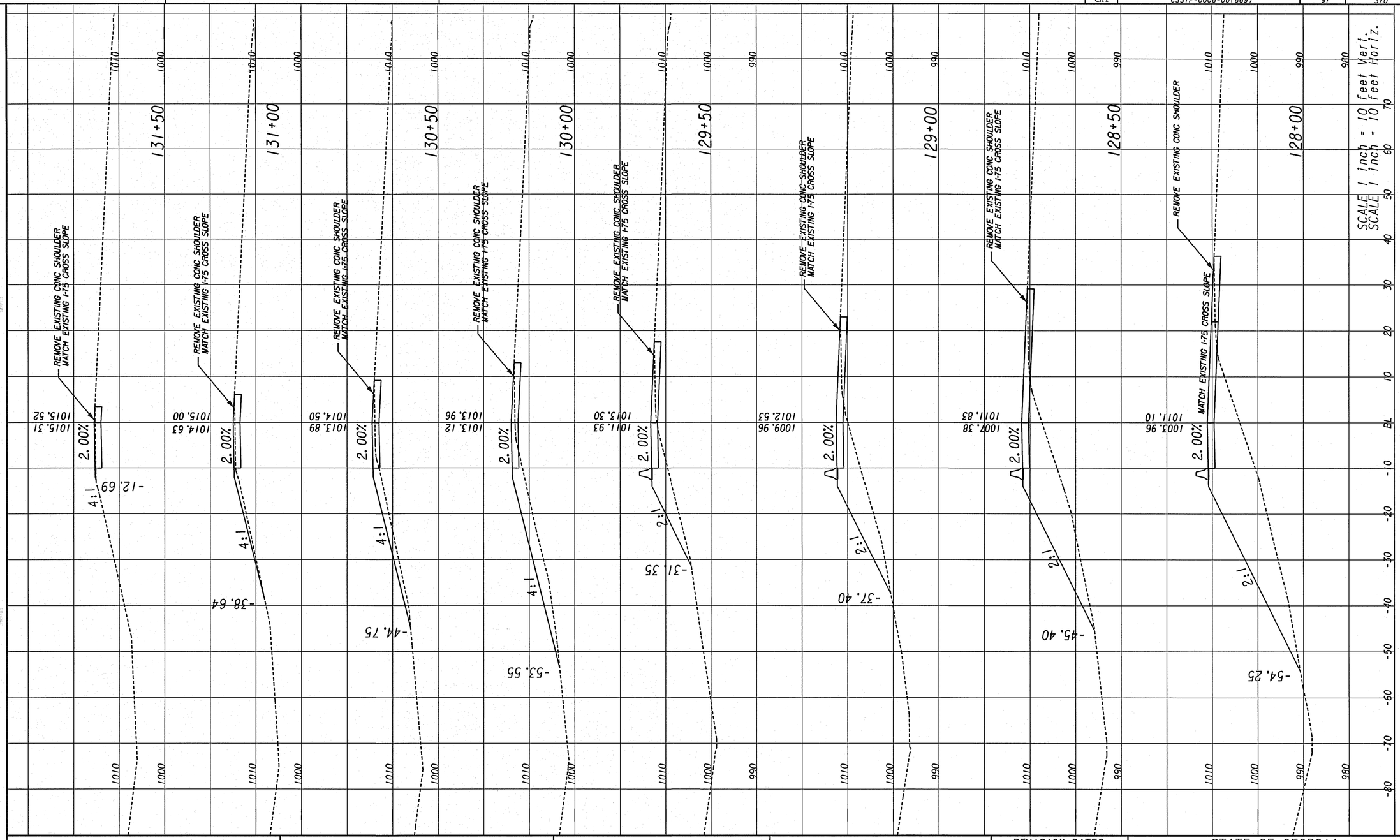

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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

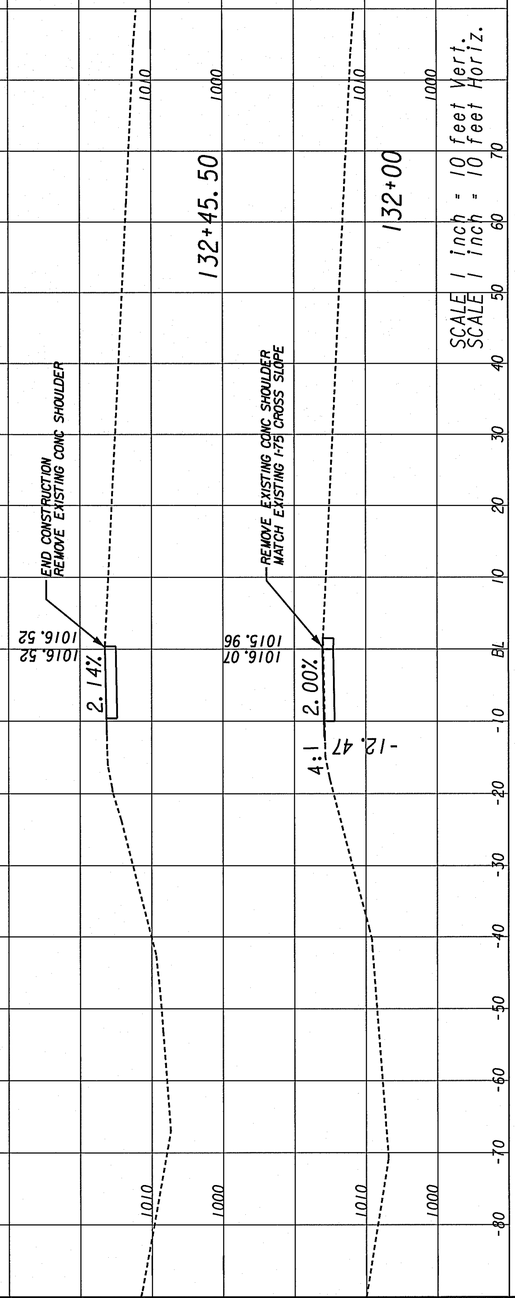
CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-49

3/1/2007 SUKEN

10/15/2009 10:36:00 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	98	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB DETOUR STAGE 1

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-50

3/1/2007 SUKEN

10/15/2009 10:36:00 AM
USER:dwebb

PRF
$$PENTABLE$$

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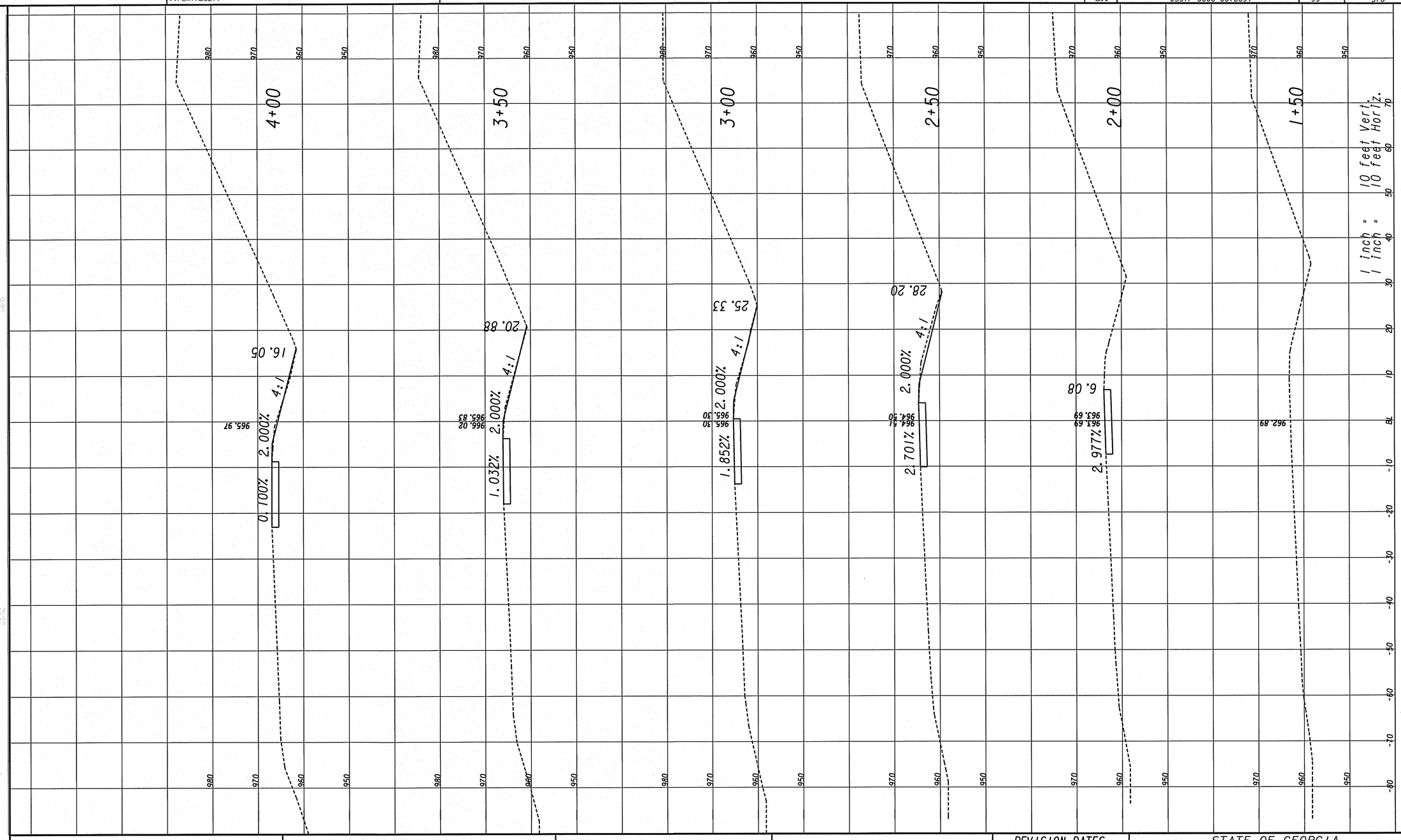
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	99	370



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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB STAGE 3

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-51

3/1/2007 SUXEN

10/15/2009 10:36:00 AM PRF
USER:dwebb $$PENTABLE$$

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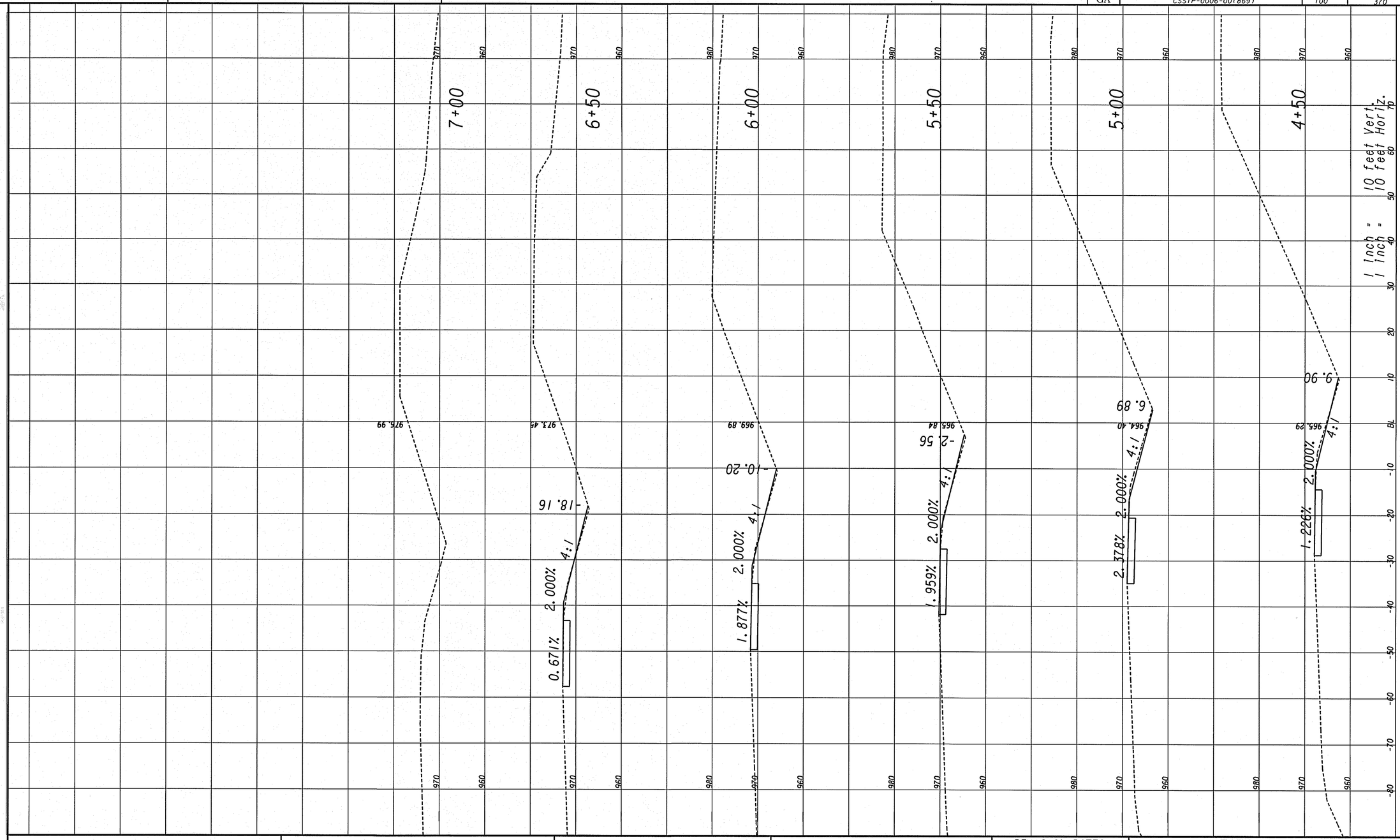
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	100	370



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PHONE: (770) 971-5407 FAX: (770) 971-0620

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 SB STAGE 3

BIG SHANTY CONNECTOR
PHASE 1

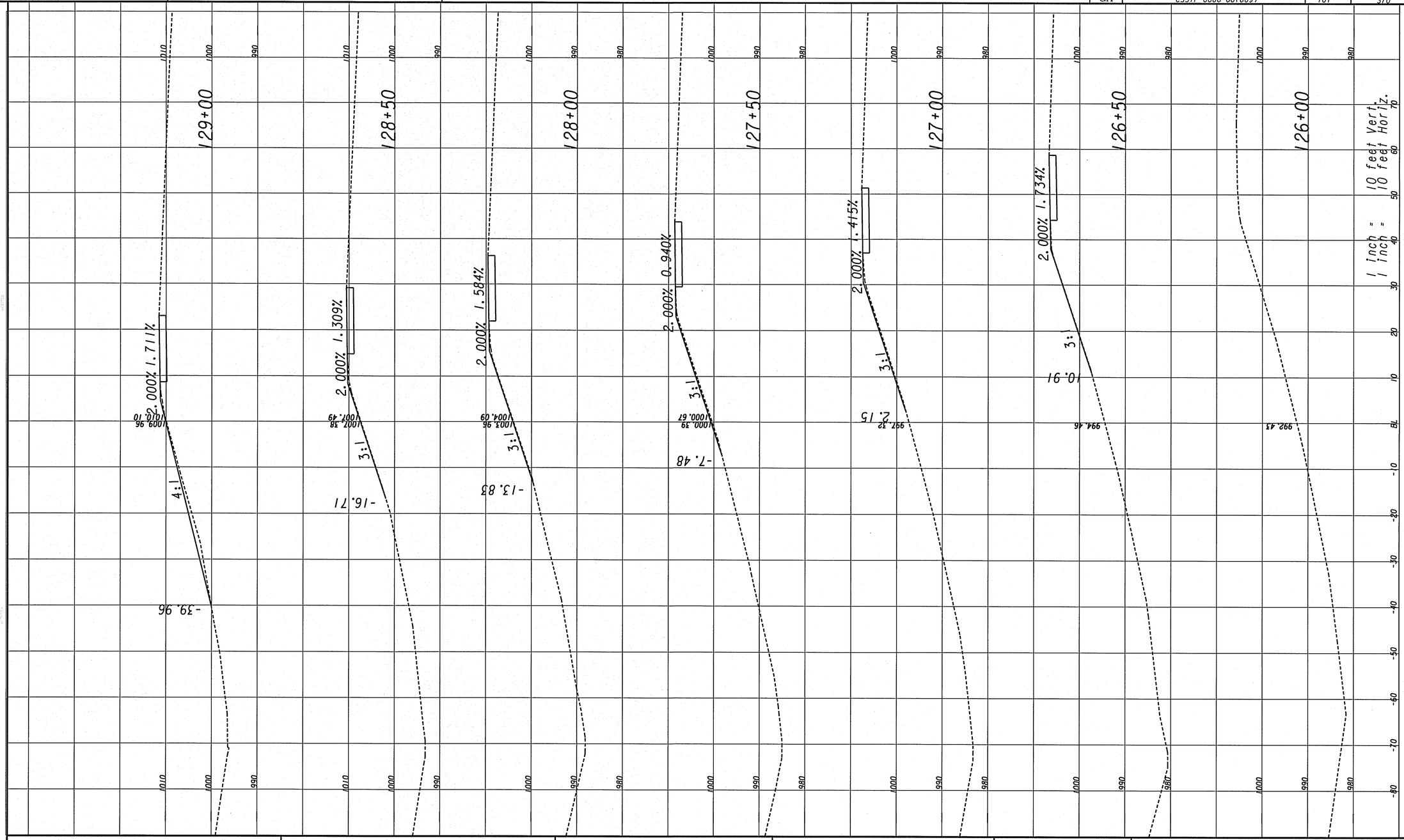
DRAWING No. 19-52

3/1/2007 SUXEN

10/15/2009 10:36:00 AM PRF
USER:dwebb $$PENTABLE$$

y:\0313 big shanty conn\design\006869 phase 1\dgn\006869sx01plt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	101	370



REVISION DATES		

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30082
PHONE: (770) 971-5407 FAX: (770) 971-0620

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB STAGE 3

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-53

3/1/2007 SUXEN

10/15/2009 10:36:01 AM
USER:dwebb

PRF
$$PENTABLE$$

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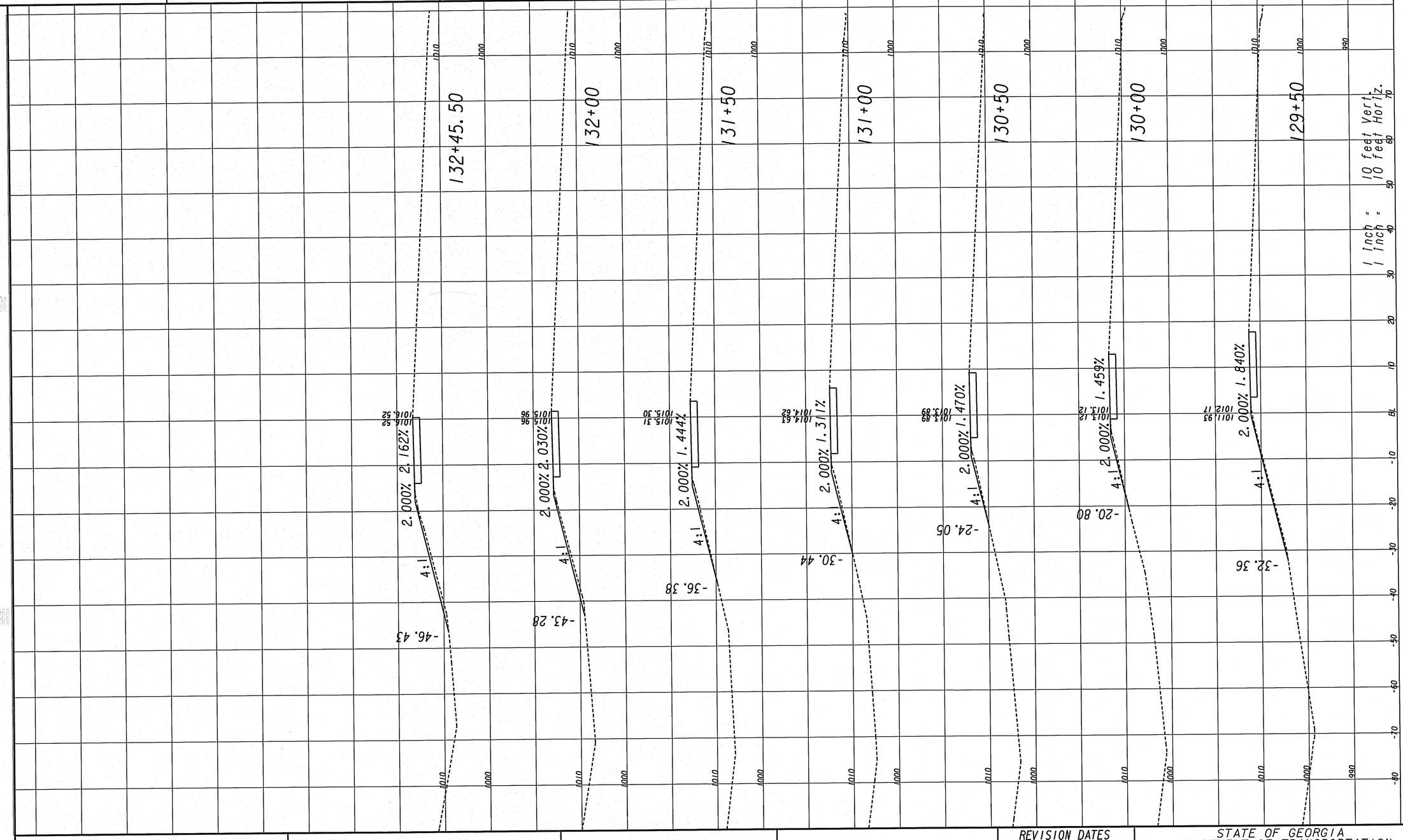
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	102	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CONSTRUCTION STAGING CROSS-SECTIONS I-75 NB STAGE 3

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 19-54

3/1/2007 SUXEN

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USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	103	370

SEQUENCE OF CONSTRUCTION:

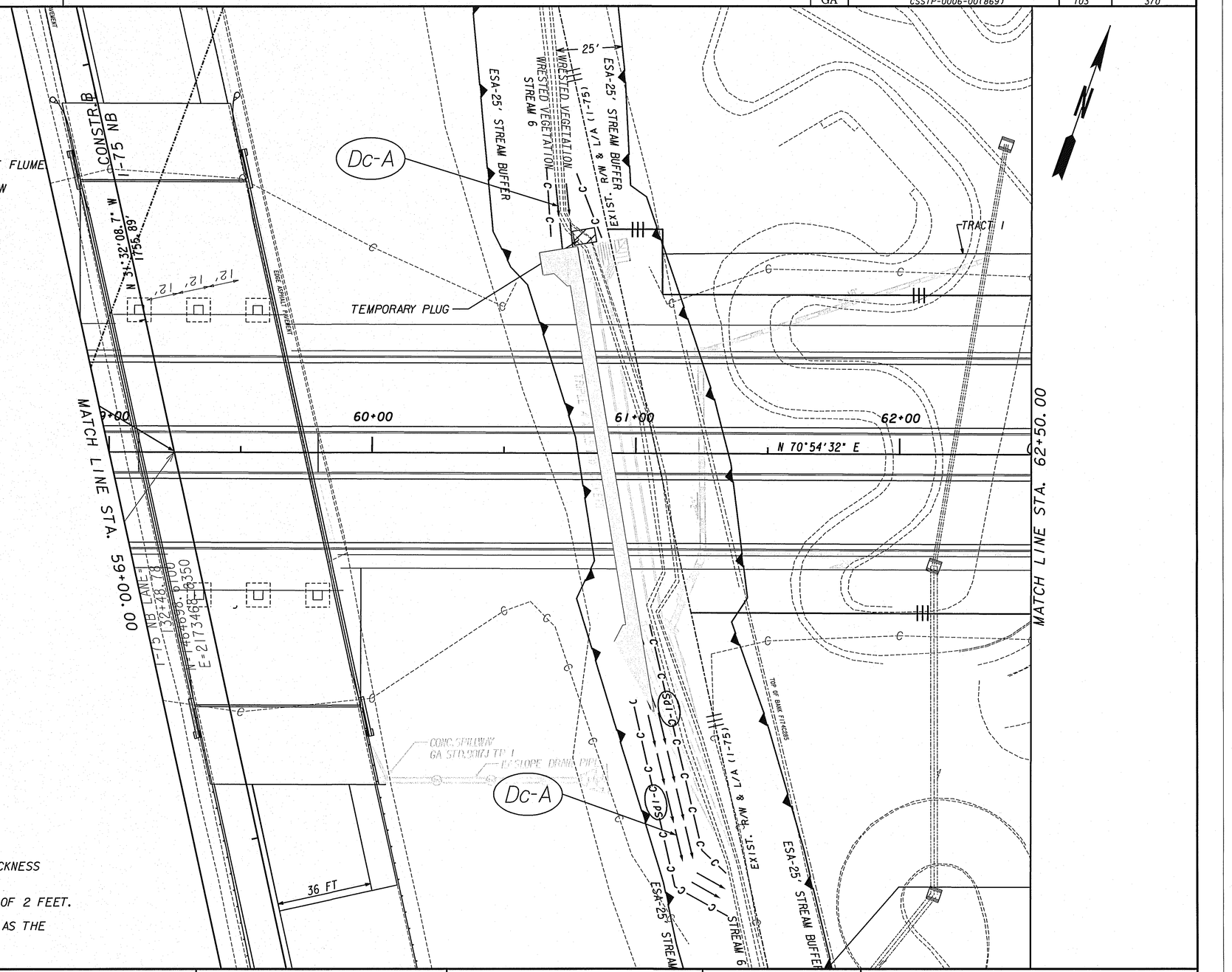
1. CONSTRUCT WESTERN-MOST BARREL OF THE PROPOSED CULVERT OUTSIDE OF THE EXISTING STREAM.

2. CONSTRUCT SECTION OF UPSTREAM FLUME AND DOWNSTREAM CONCRETE DITCH OUTSIDE OF EXISTING STREAM.

3. CONSTRUCT DIVERSION CHANNEL FROM DOWNSTREAM CONCRETE DITCH TO THE EXISTING STREAM.

4. CONSTRUCT DIVERSION CHANNEL FROM EXISTING STREAM TO CONCRETE FLUME.

5. PLUG STREAM AND DIVERT FLOW TO DIVERSION CHANNEL AND INTO NEW CULVERT BARREL.



NOTES:

1. DIVERSION CHANNELS TO BE INCLUDED IN THE COST OF CULVERT WHEN REQUIRED.

2. PLASTIC LINING SHALL BE PVC OR PE MATERIAL WITH A MINIMUM THICKNESS OF 6 MILS.

3. THE LAP OF THE SHEETS OF PLASTIC LINING SHALL BE A MINIMUM OF 2 FEET.

4. THE DIVERSION CHANNEL SHOULD BE THE SAME WIDTH AND DEPTH AS THE EXISTING CHANNEL.

STANDARD LEGEND

STAGE 2 CONSTRUCTION

TEMP. POST MOUNTED SIGN - NO FLAGS REQ'D

TRAFFIC FLOW INDICATORS

ESA

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MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

STAGING DETAILS

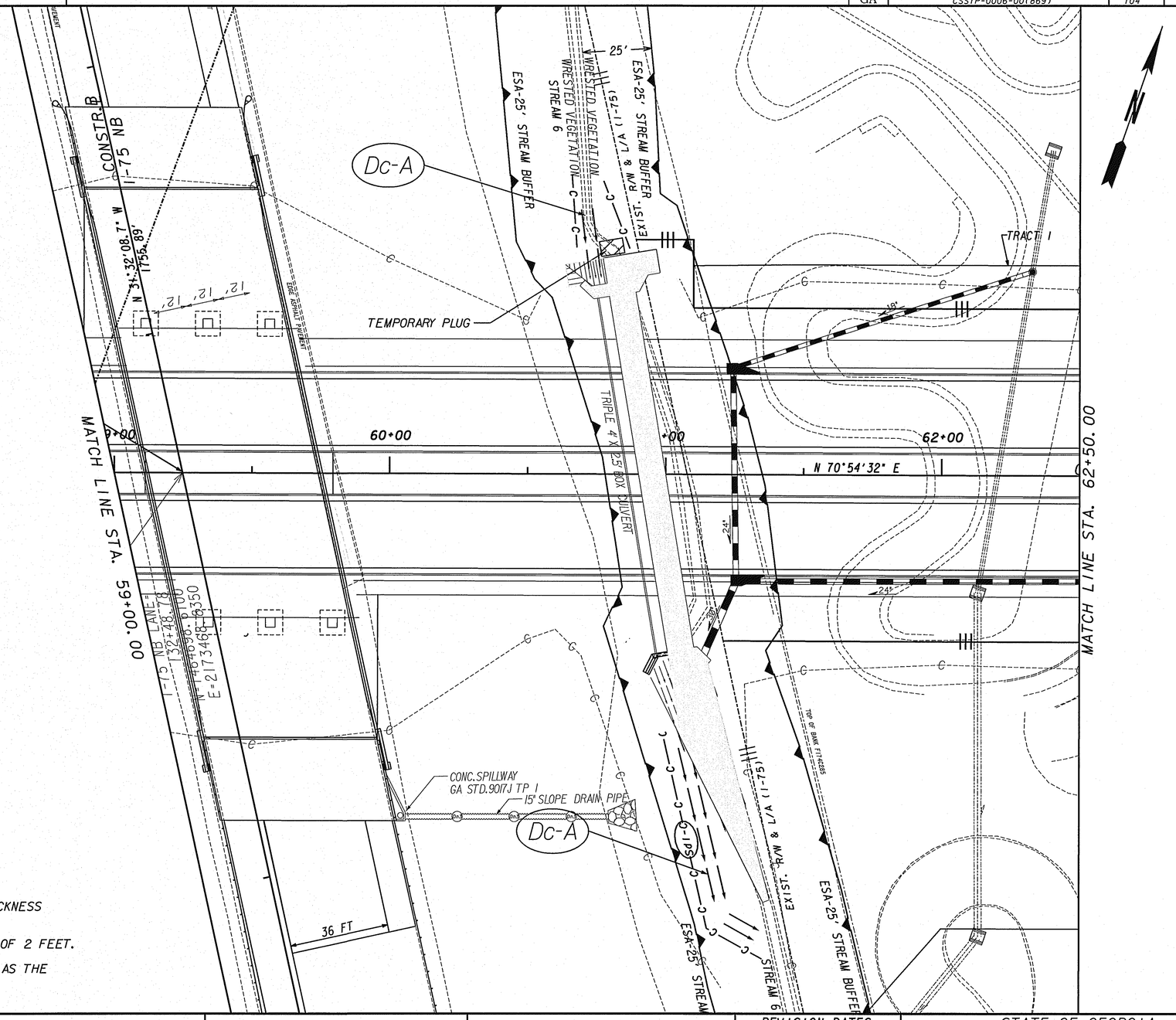
BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 20-01

GPLN

SEQUENCE OF CONSTRUCTION:

1. MAINTAIN DIVERSION CHANNEL THROUGH WESTERN-MOST BARREL OF PROPOSED CULVERT
2. CONSTRUCT CENTER AND EASTERN-MOST BARRELS OF PROPOSED CULVERT
3. CONSTRUCT UPSTREAM AND DOWNSTREAM WINGWALLS.
3. CONSTRUCT DOWNSTREAM CONCRETE DITCH
4. CONSTRUCT REMAINDER OF UPSTREAM CONCRETE FLUME.
5. REMOVE TEMPORARY PLUG FROM EXISTING STREAM.
6. REMOVE STREAM DIVERSION CHANNEL



NOTES:

1. DIVERSION CHANNELS TO BE INCLUDED IN THE COST OF CULVERT WHEN REQUIRED.
2. PLASTIC LINING SHALL BE PVC OR PE MATERIAL WITH A MINIMUM THICKNESS OF 6 MILS.
3. THE LAP OF THE SHEETS OF PLASTIC LINING SHALL BE A MINIMUM OF 2 FEET.
4. THE DIVERSION CHANNEL SHOULD BE THE SAME WIDTH AND DEPTH AS THE EXISTING CHANNEL.

STANDARD LEGEND

- STAGE 2 CONSTRUCTION
- TEMP. POST MOUNTED SIGN - NO FLAGS REQ'D
- TRAFFIC FLOW INDICATORS
- ESA

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PHONE: (770) 971-5407 FAX: (770) 971-0620

SCALE IN FEET
0 20 40 80

REVISION DATES

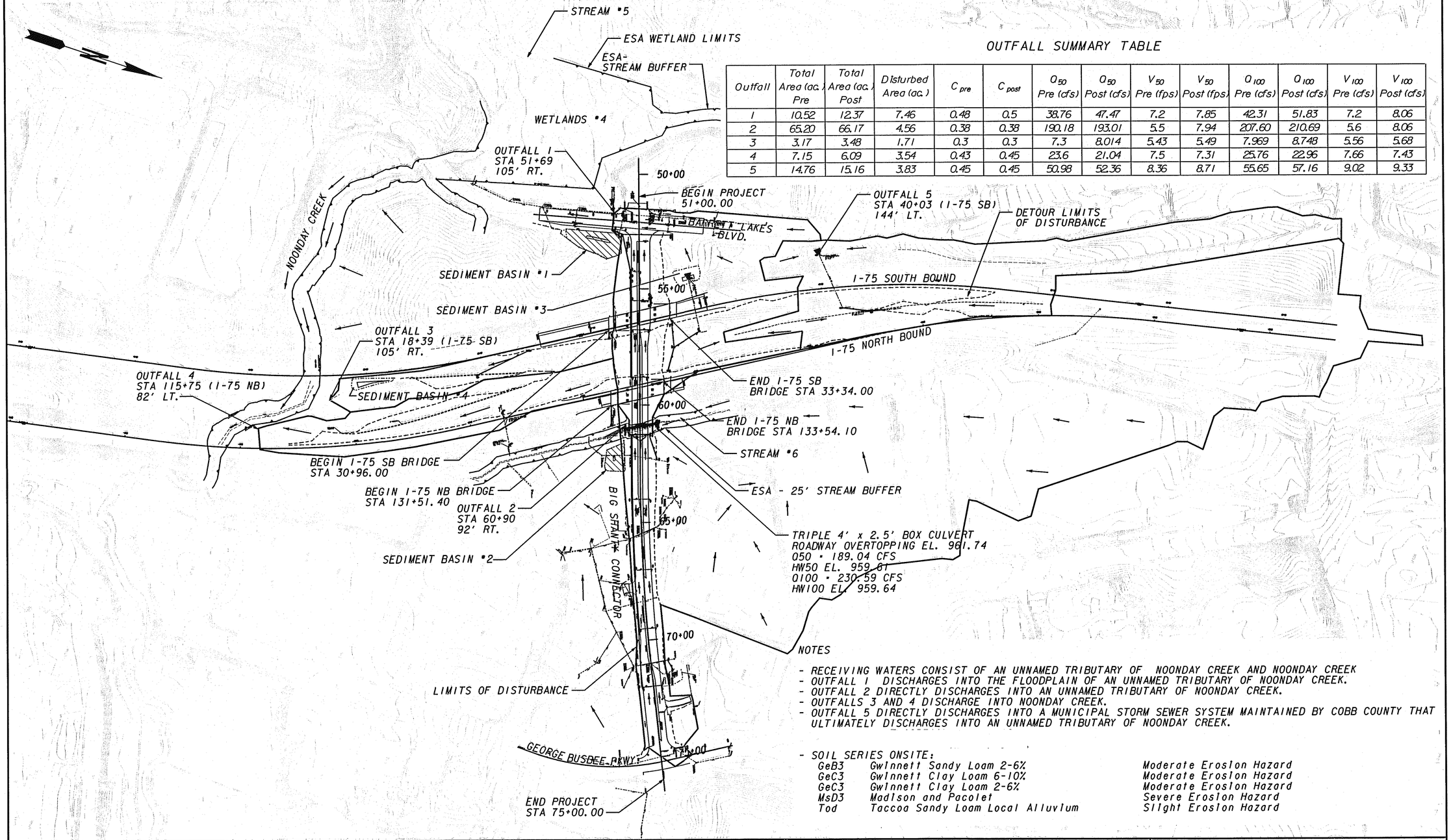
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

STAGING DETAILS

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 20-02

GPLN



OUTFALL SUMMARY TABLE

Outfall	Total Area (ac.) Pre	Total Area (ac.) Post	Disturbed Area (ac.)	C_{pre}	C_{post}	Q_{50} Pre (cfs)	Q_{50} Post (cfs)	V_{50} Pre (fps)	V_{50} Post (fps)	Q_{100} Pre (cfs)	Q_{100} Post (cfs)	V_{100} Pre (cfs)	V_{100} Post (cfs)
1	10.52	12.37	7.46	0.48	0.5	38.76	47.47	7.2	7.85	42.31	51.83	7.2	8.06
2	65.20	66.17	4.56	0.38	0.38	190.18	193.01	5.5	7.94	207.60	210.69	5.6	8.06
3	3.17	3.48	1.71	0.3	0.3	7.3	8.014	5.43	5.49	7.969	8.748	5.56	5.68
4	7.15	6.09	3.54	0.43	0.45	23.6	21.04	7.5	7.31	25.76	22.96	7.66	7.43
5	14.76	15.16	3.83	0.45	0.45	50.98	52.36	8.36	8.71	55.65	57.16	9.02	9.33

NOTES

- RECEIVING WATERS CONSIST OF AN UNNAMED TRIBUTARY OF NOONDAY CREEK AND NOONDAY CREEK
- OUTFALL 1 DISCHARGES INTO THE FLOODPLAIN OF AN UNNAMED TRIBUTARY OF NOONDAY CREEK.
- OUTFALL 2 DIRECTLY DISCHARGES INTO AN UNNAMED TRIBUTARY OF NOONDAY CREEK.
- OUTFALLS 3 AND 4 DISCHARGE INTO NOONDAY CREEK.
- OUTFALL 5 DIRECTLY DISCHARGES INTO A MUNICIPAL STORM SEWER SYSTEM MAINTAINED BY COBB COUNTY THAT ULTIMATELY DISCHARGES INTO AN UNNAMED TRIBUTARY OF NOONDAY CREEK.

- SOIL SERIES ONSITE:

GeB3	Gwinnett Sandy Loam 2-6%	Moderate Erosion Hazard
GeC3	Gwinnett Clay Loam 6-10%	Moderate Erosion Hazard
GeC3	Gwinnett Clay Loam 2-6%	Moderate Erosion Hazard
MsD3	Madison and Pacolet	Severe Erosion Hazard
Tod	Taccoa Sandy Loam Local Alluvium	Slight Erosion Hazard

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SCALE IN FEET
0 200 400 800

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

DRAINAGE AREA MAP

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 21 -01

GPLN

10/15/2009 11:38:43 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869dp01.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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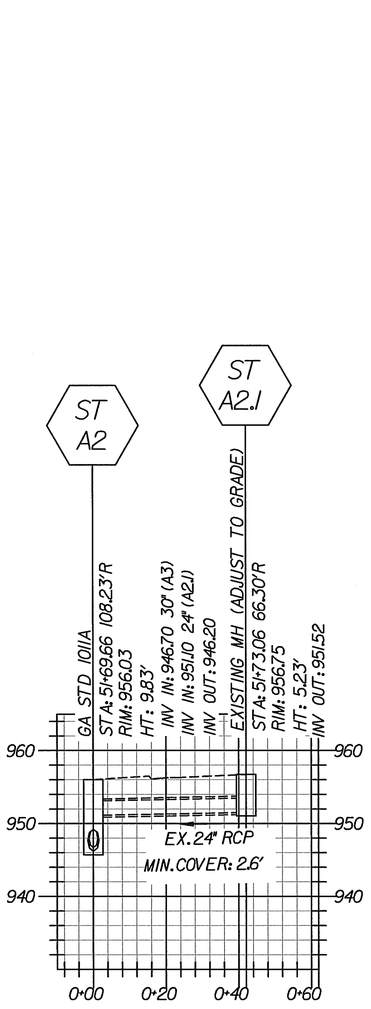
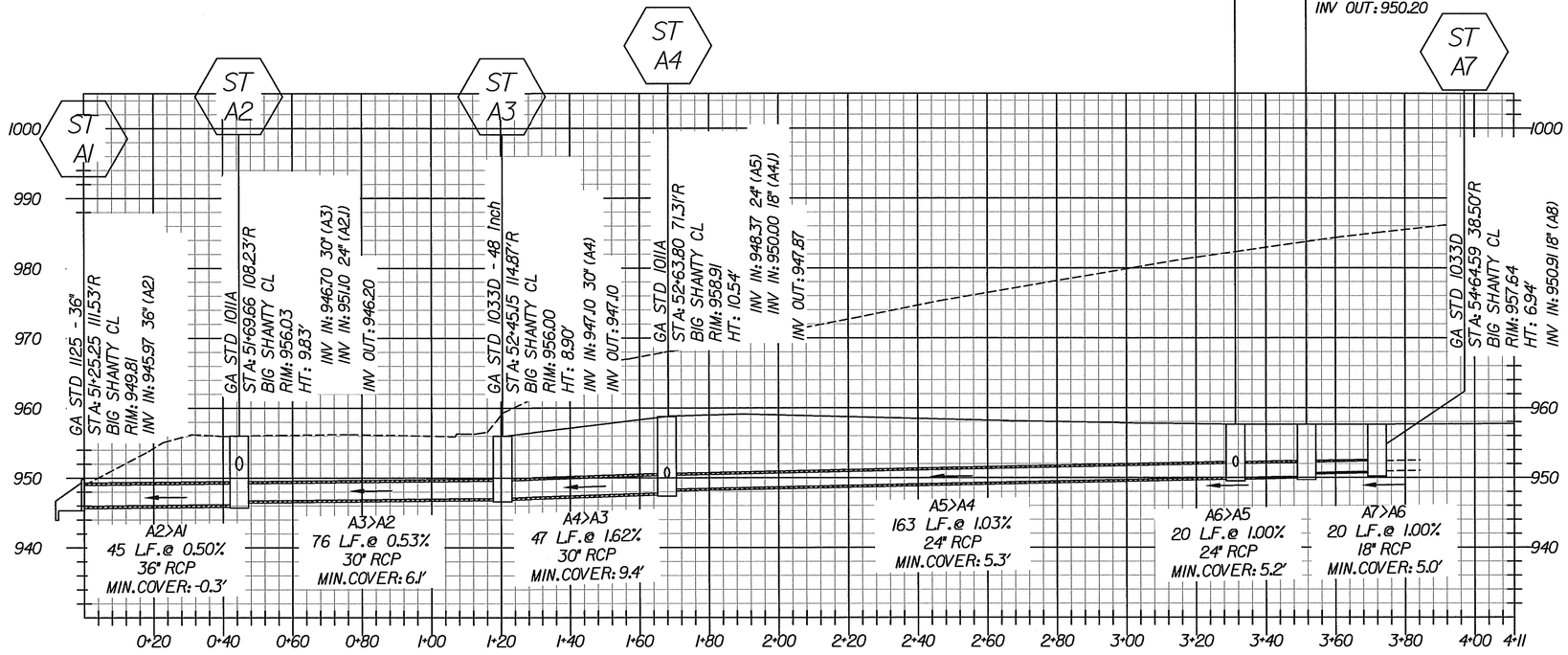


STORM A2.1>A2



STORM A7>A1

GA STD 1033D
STA: 54+23.92
BIG SHANTY CL
RIM: 957.64
HT: 7.64
INV IN: 950.00 24" (A6)
INV IN: 951.58 18" (A5.1)
INV OUT: 950.05

GA STD 1034D
STA: 54+44.32
BIG SHANTY CL
RIM: 957.63
HT: 7.42
INV IN: 950.70 18" (A7)
INV OUT: 950.20

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 22-01

GPLN

10/15/2009 11:38:45 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869dp02.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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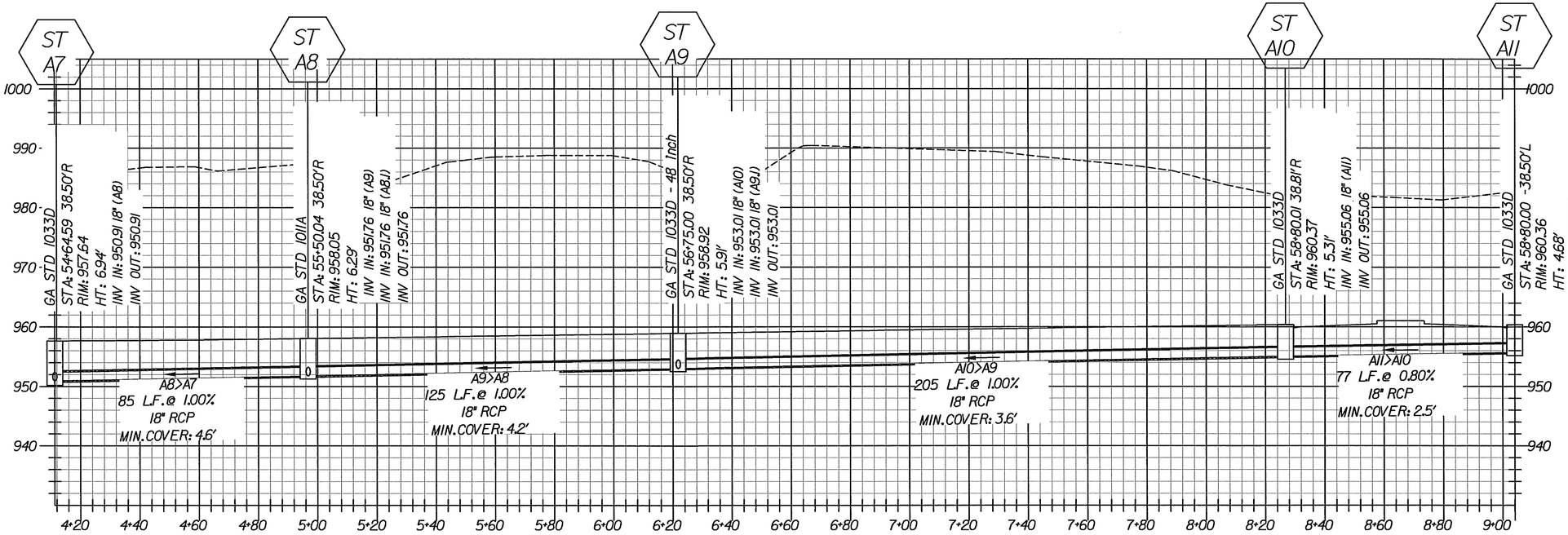

STORM A11>A7

GPLN

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 22-02

10/15/2009	12:16:35 PM	PRF	Y:\0313 Big Shanty Conn\Design\006869 Phase 1\DGN\006869DP03.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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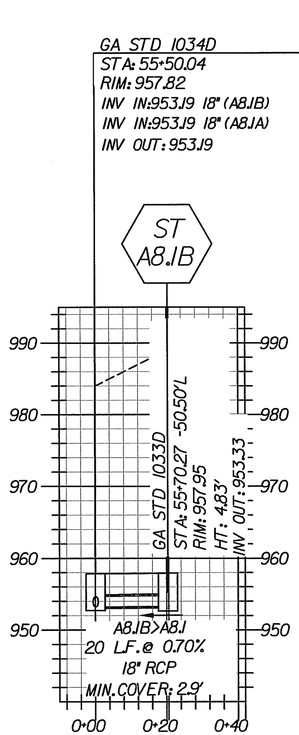
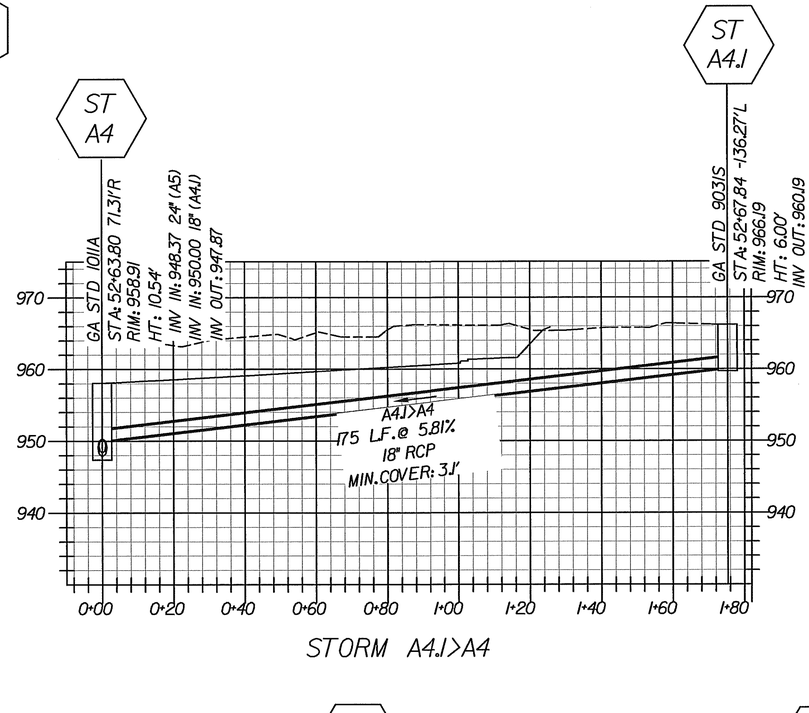
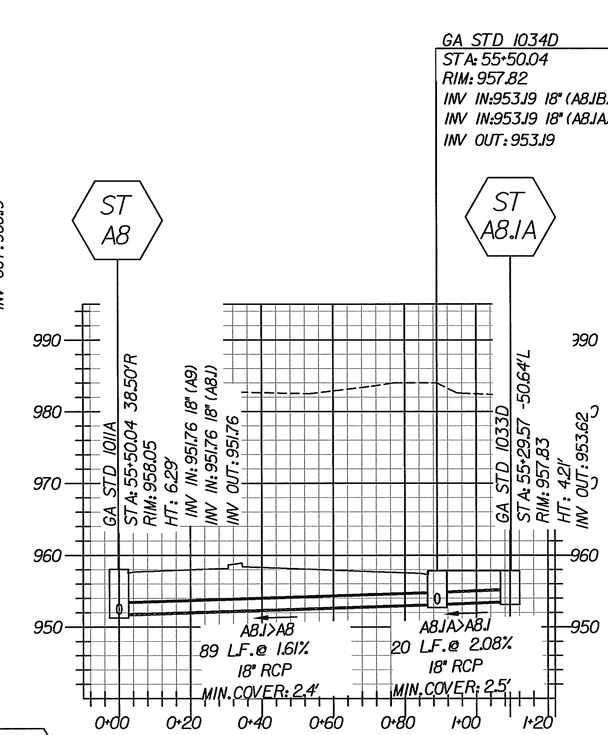


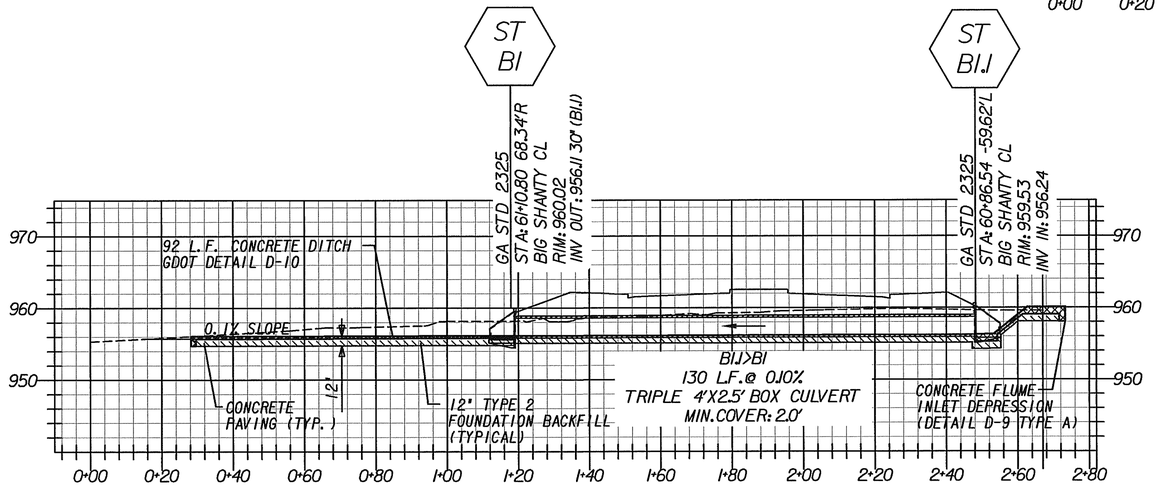
STORM A8.1B>A8.1



STORM A4.1>A4



STORM A8.1A>A8



STORM BOX CULVERT

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

DRAINAGE PROFILES

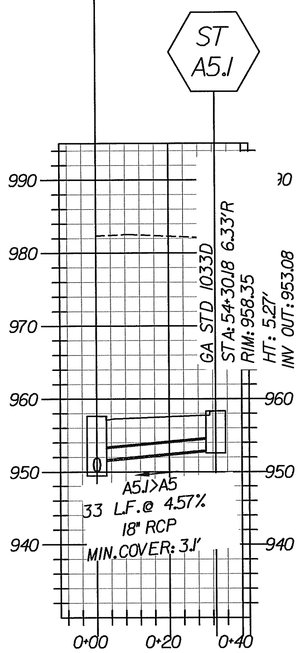
BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 22-03

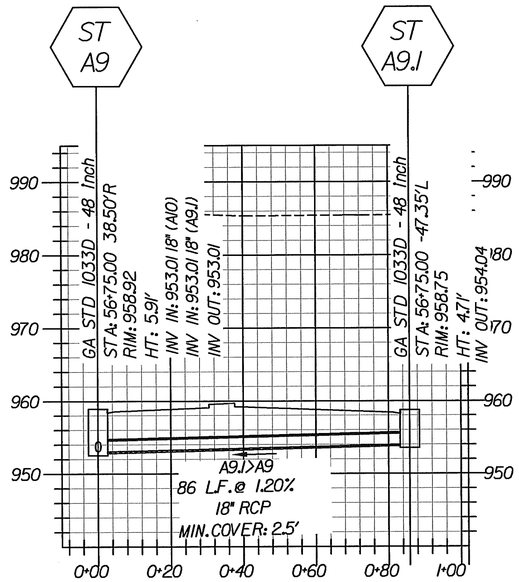
GPLN

GA STD 1033D
STA: 54+23.92
RIM: 957.64
INV IN: 950.00 24" (A6)
INV IN: 951.58 18" (A5.1)
INV OUT: 950.05

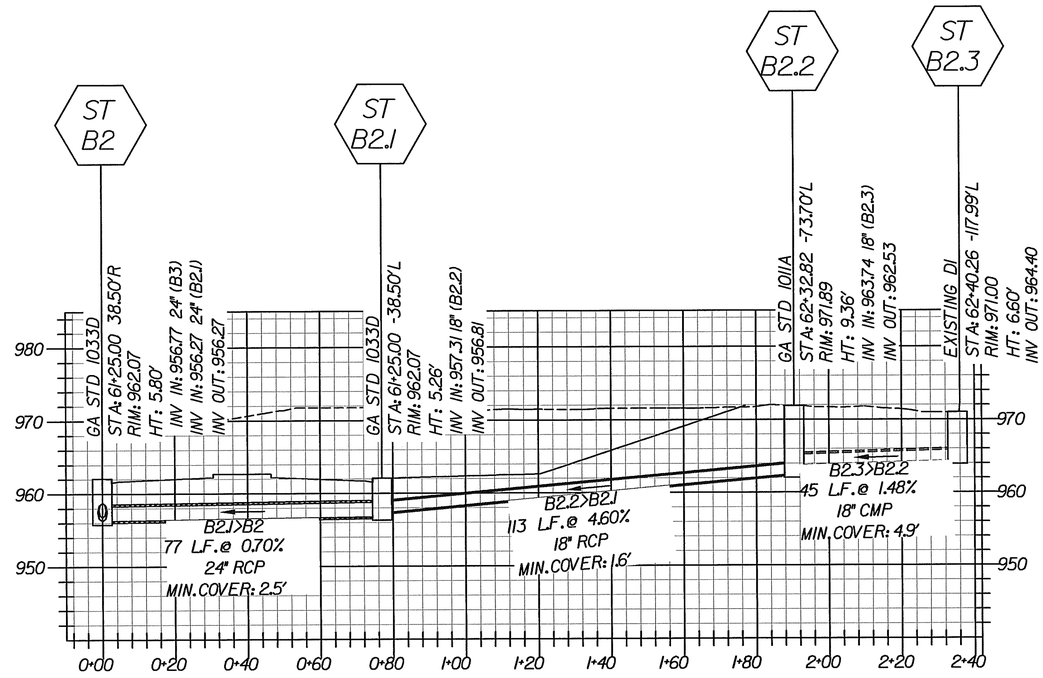
ST A5



STORM A5.1>A5



STORM A9.1>A9



STORM B2.2>B2

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 22-04

GPLN

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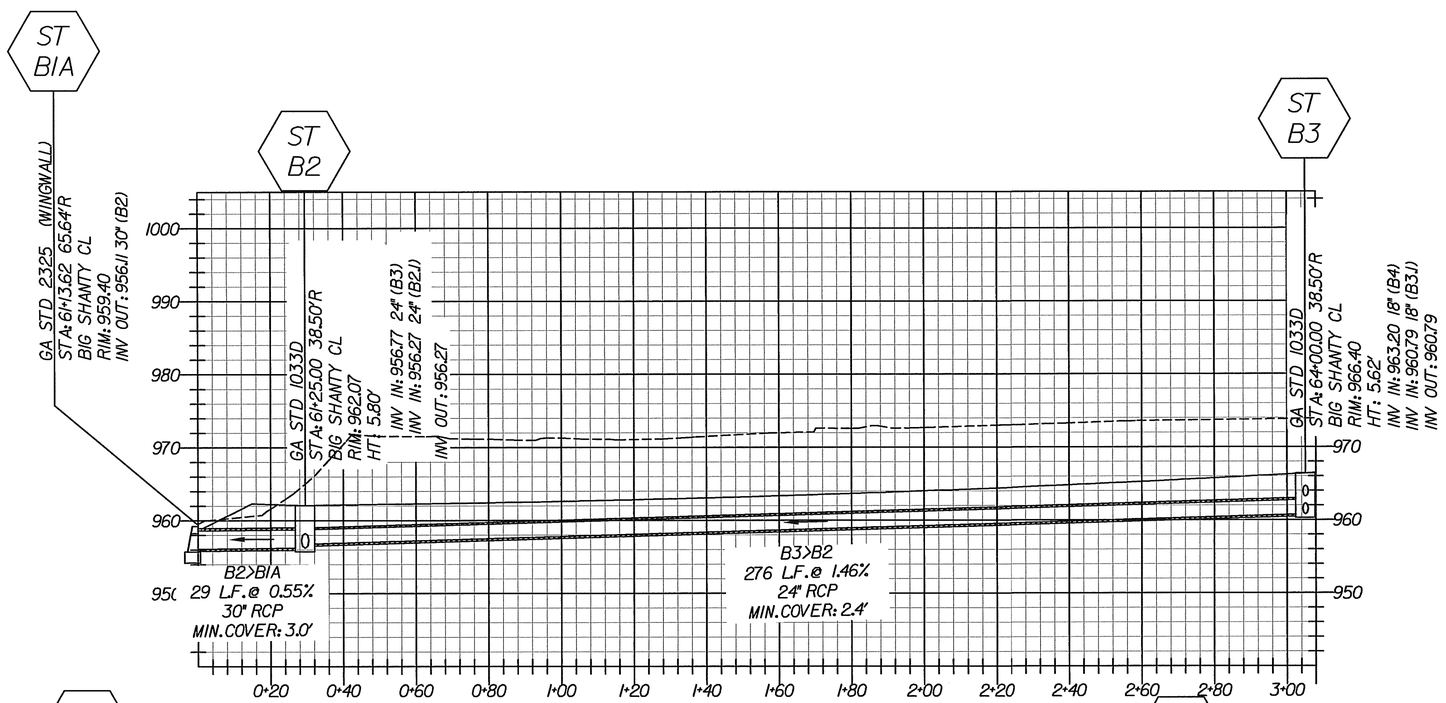
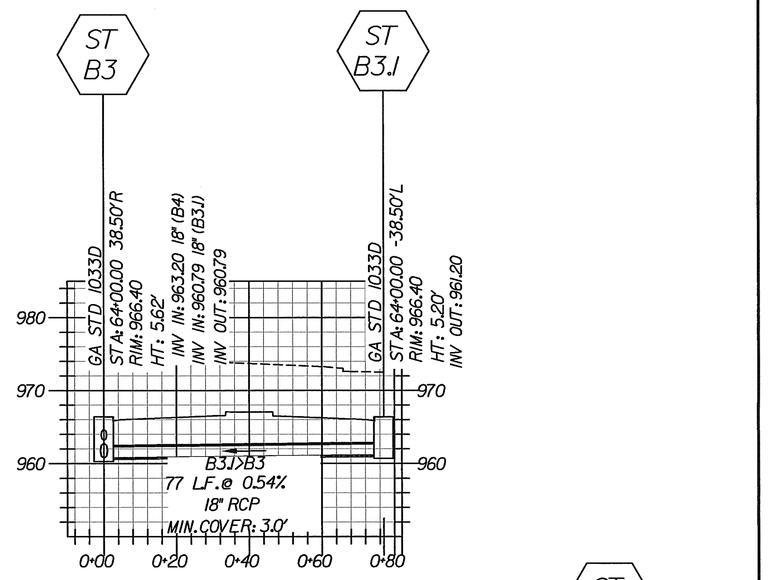
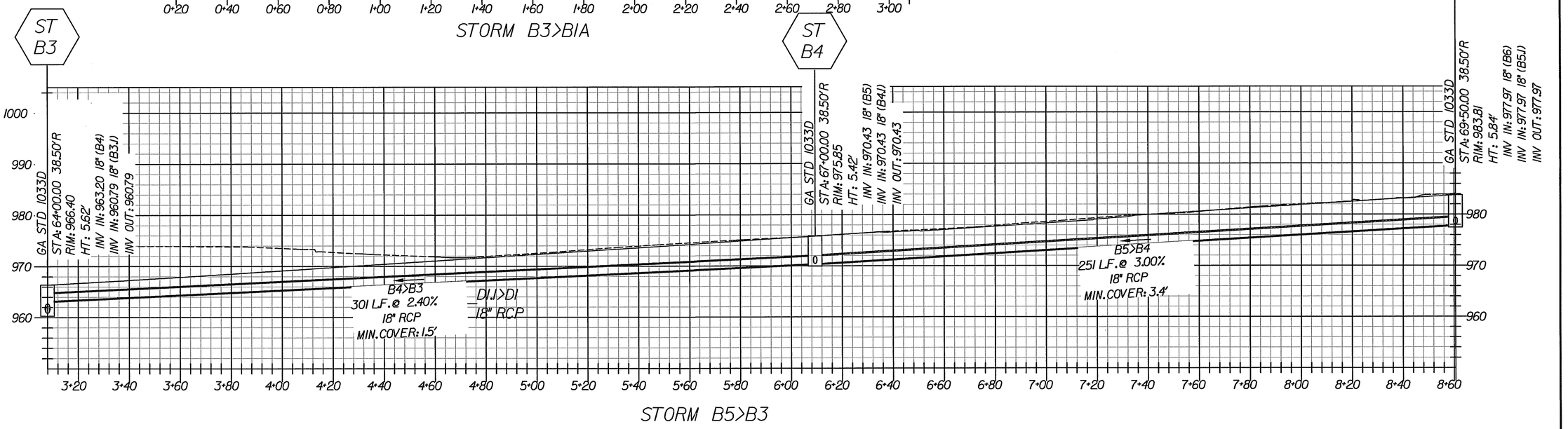


STORM B3>B1A



STORM B3.1>B3



STORM B5>B3

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

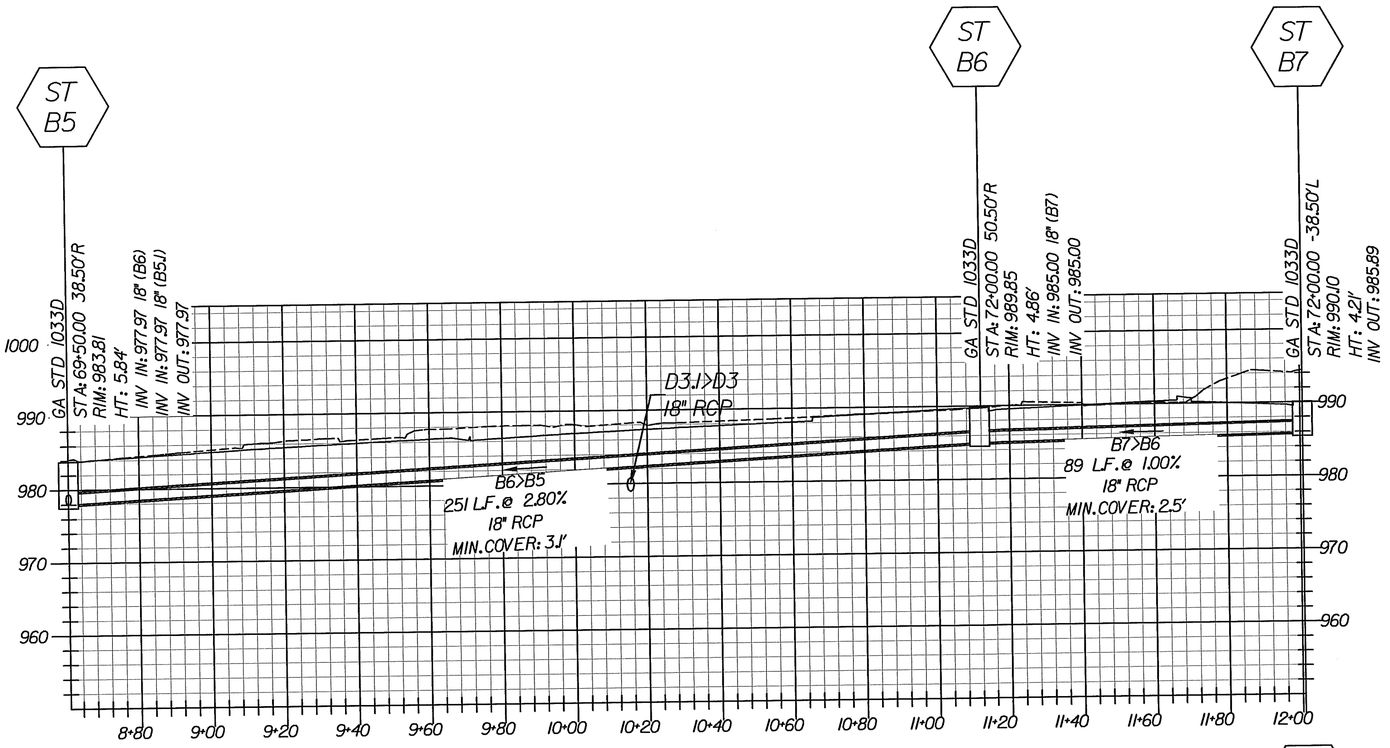
DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

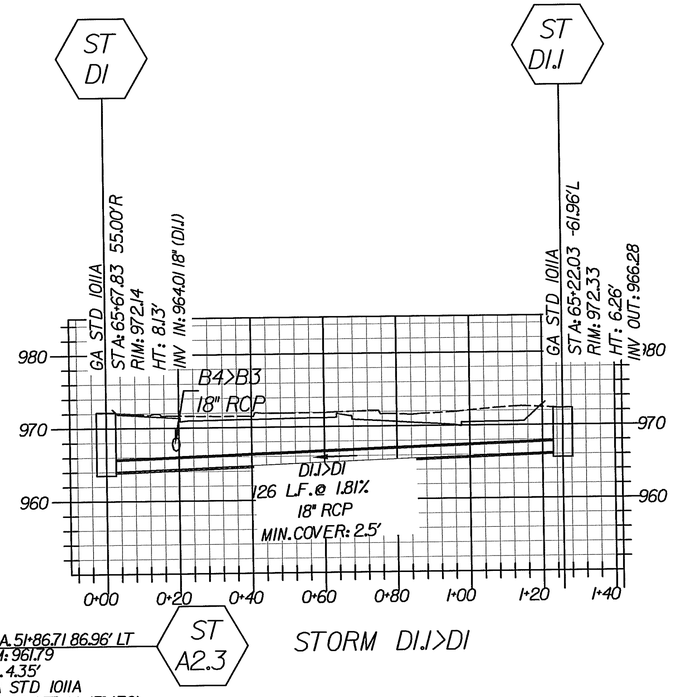
DRAWING No. 22-05

GPLN

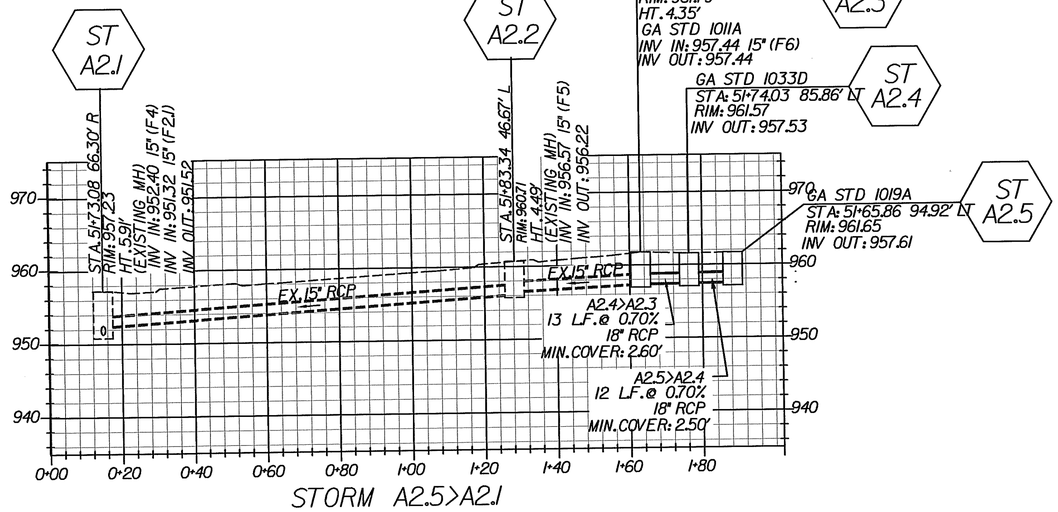
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	111	370



STORM B7>B5



STORM DI.1>DI



STORM A2.5>A2.1

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

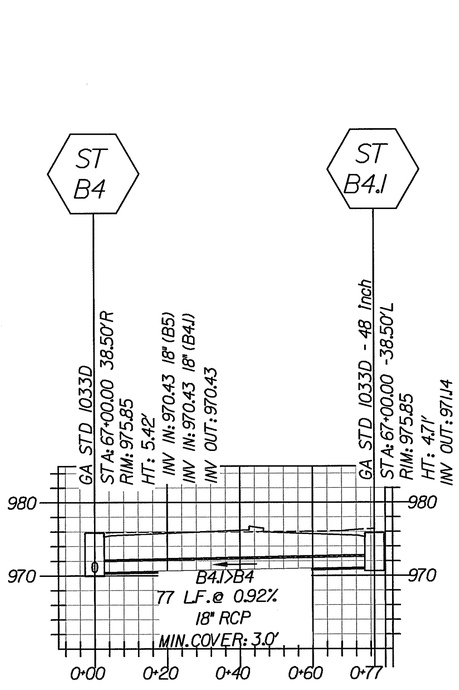
REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

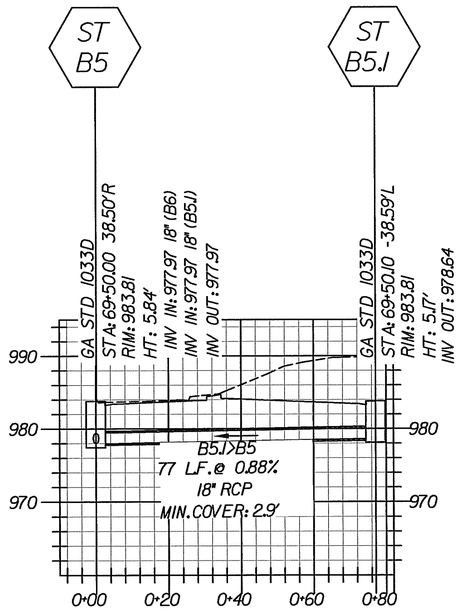
DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

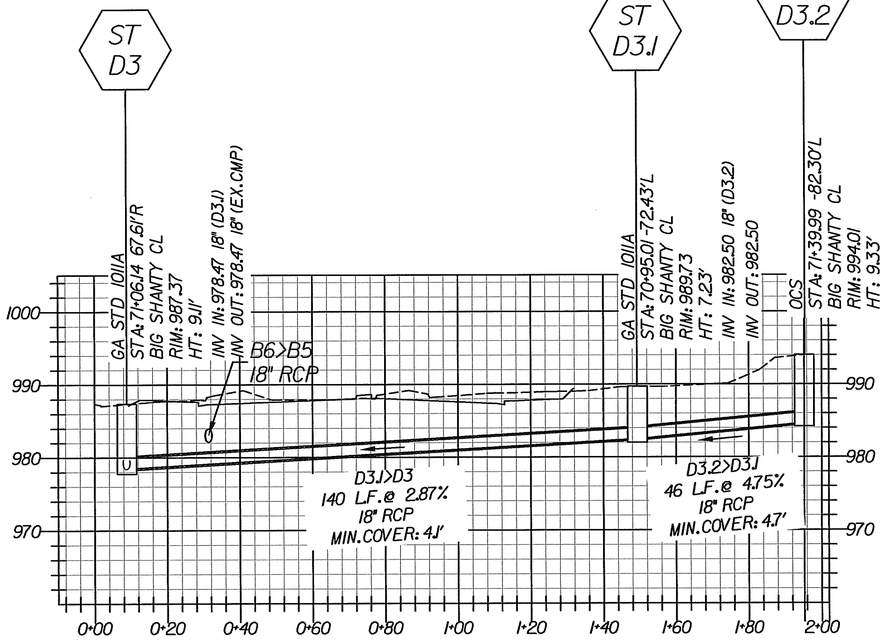
DRAWING No. 22-06



STORM B4.1>B4



STORM B5.1>B5



STORM D3.2>D3

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MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0520

HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 10 20 40

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

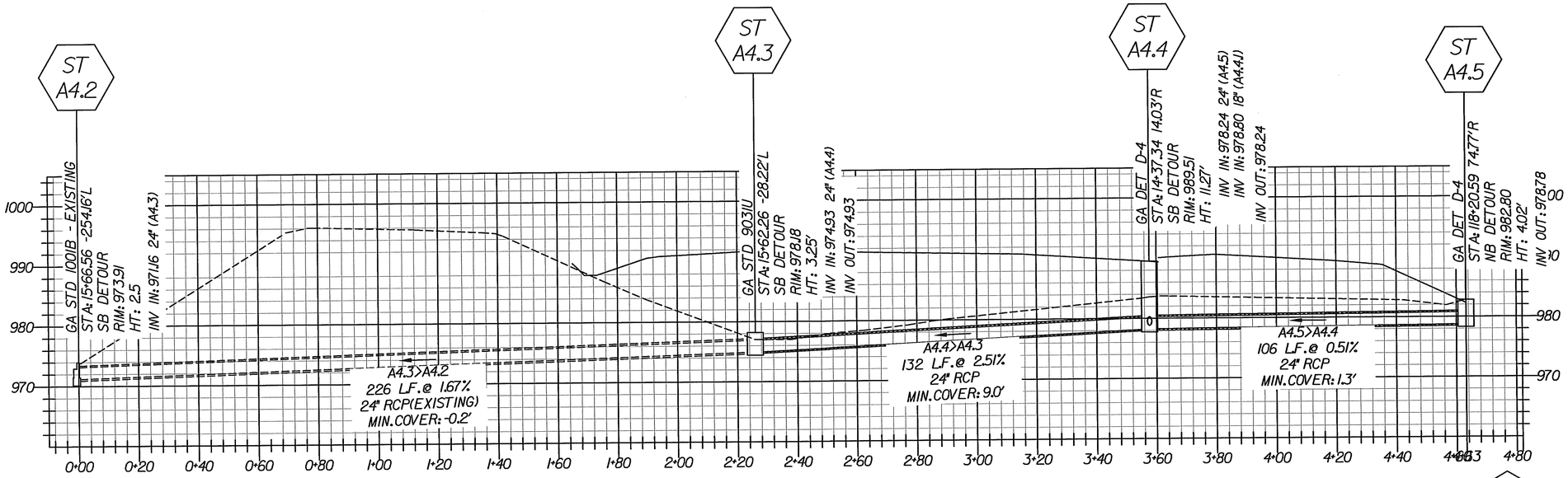
DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

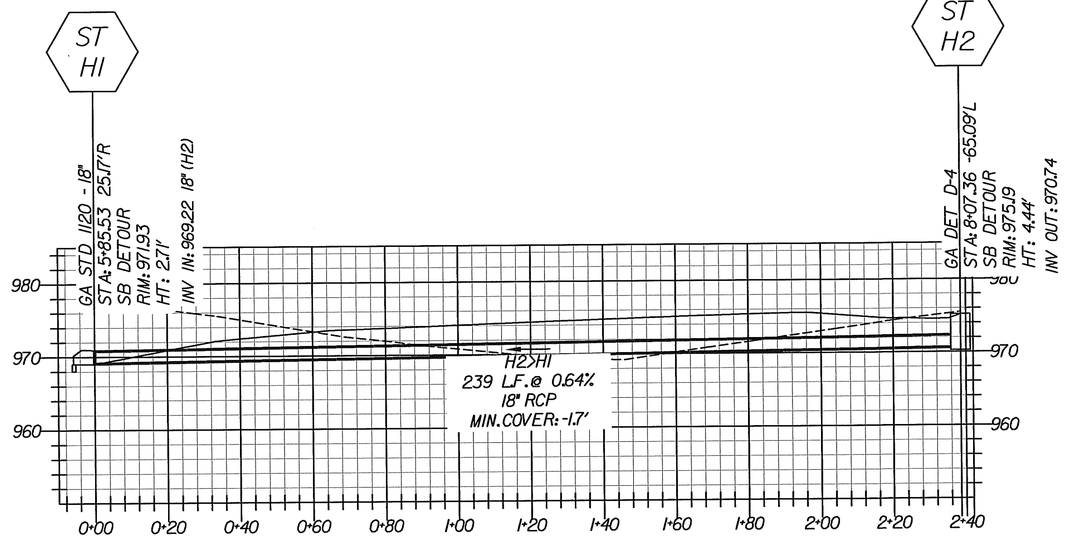
DRAWING No. 22-07

GPLN

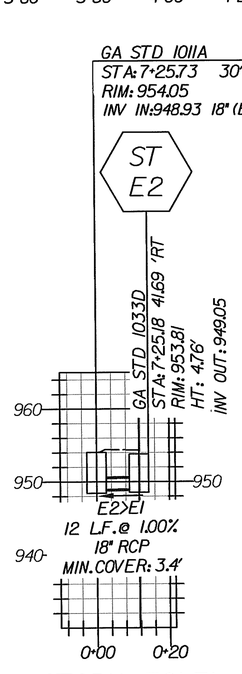
10/15/2009 11:38:53 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869dp08.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	113	370



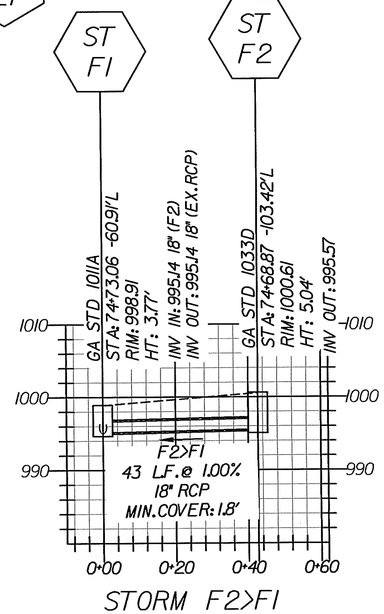
STORM A4.5>A4.2



STORM H2>H1 (1)



STORM E2>E1



STORM F2>F1

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 5 10 20

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

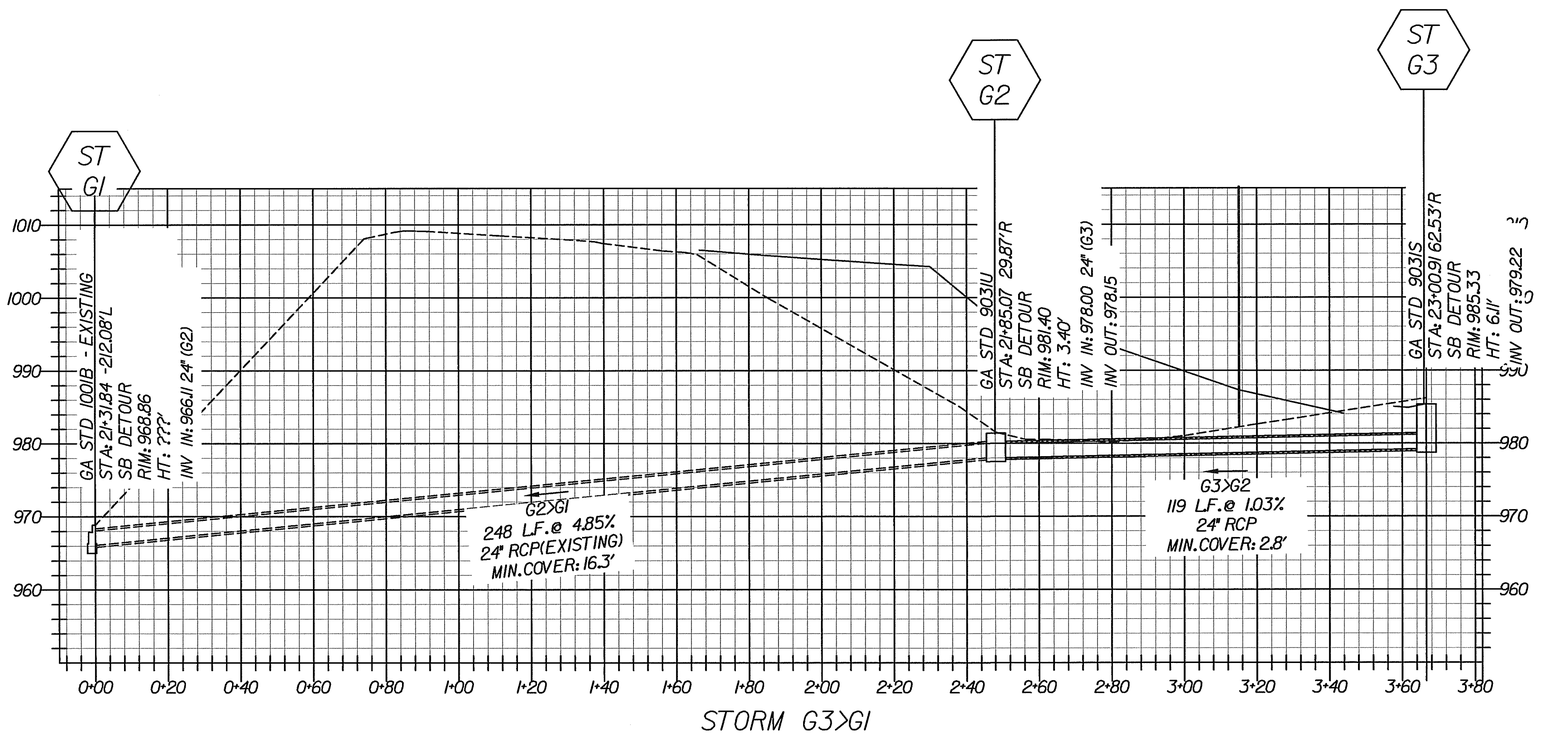
DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

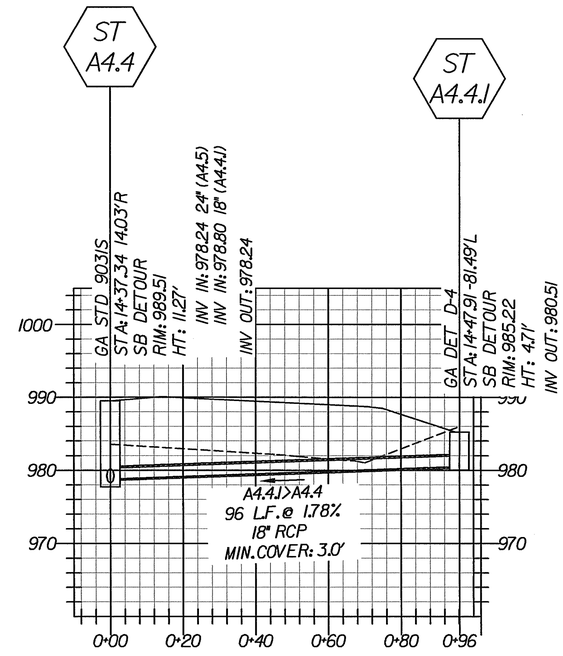
DRAWING No. 22-08

GPLH

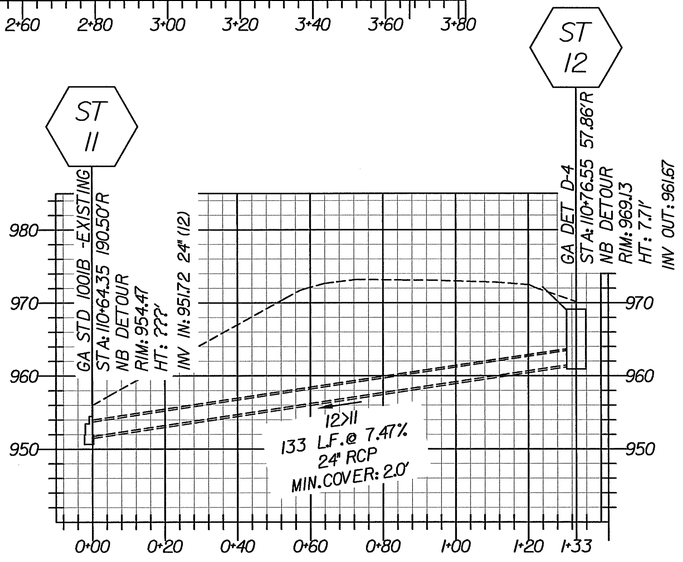
10/15/2009 11:38:54 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869dp09.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	114	370



STORM G3>G1



STORM A4.4.1>A4.4



STORM 13>11

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HORIZONTAL SCALE IN FEET
0 20 40 80

VERTICAL SCALE IN FEET
0 5 10 20

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

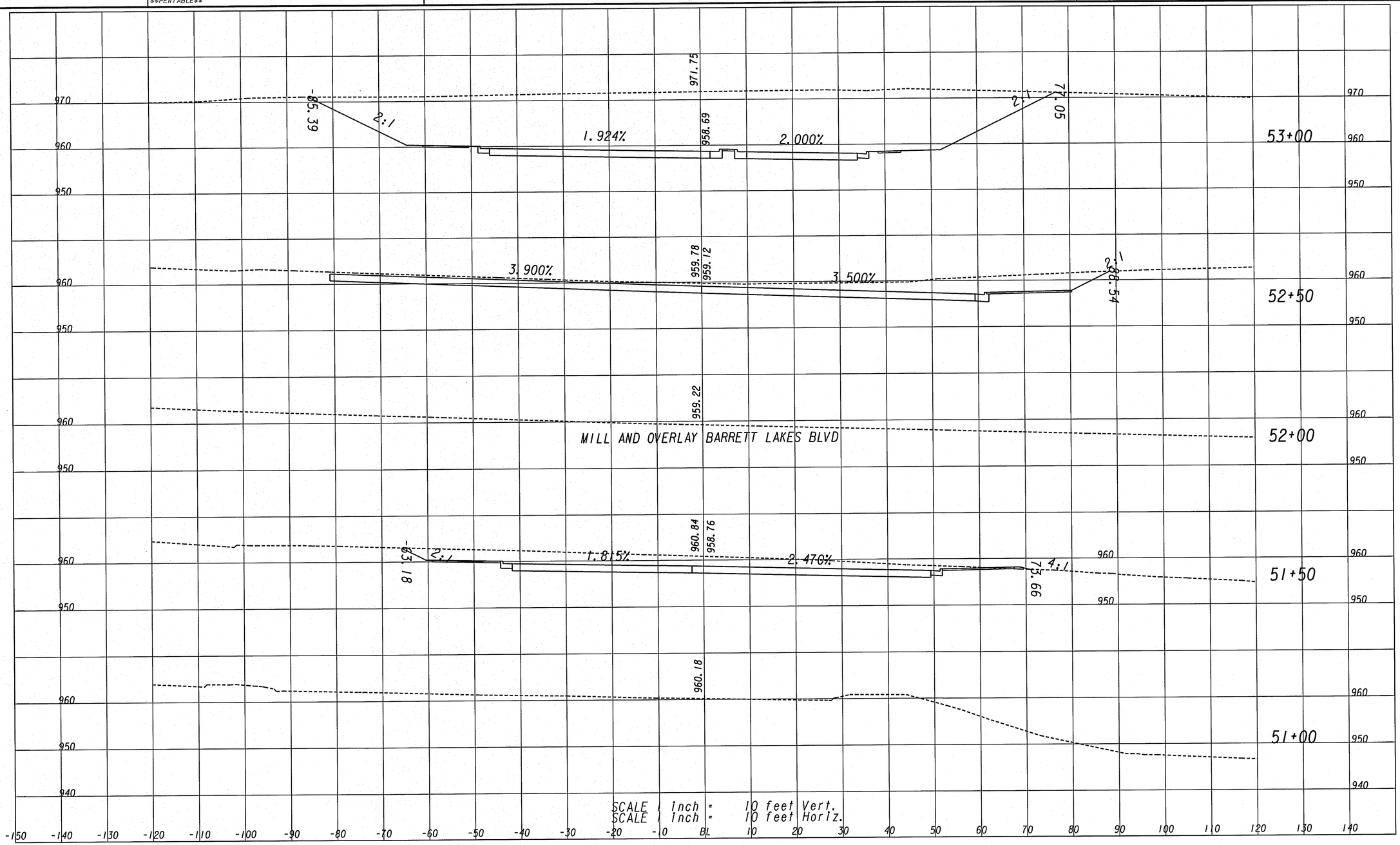
DRAINAGE PROFILES

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 22-09

GPLH

10/15/2009 10:36:22 AM USER:dwebb	PRF $$PENTABLE$$	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE GA	PROJECT NUMBER CSSTP-0006-00(869)	SHEET NO. 115	TOTAL SHEETS 370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

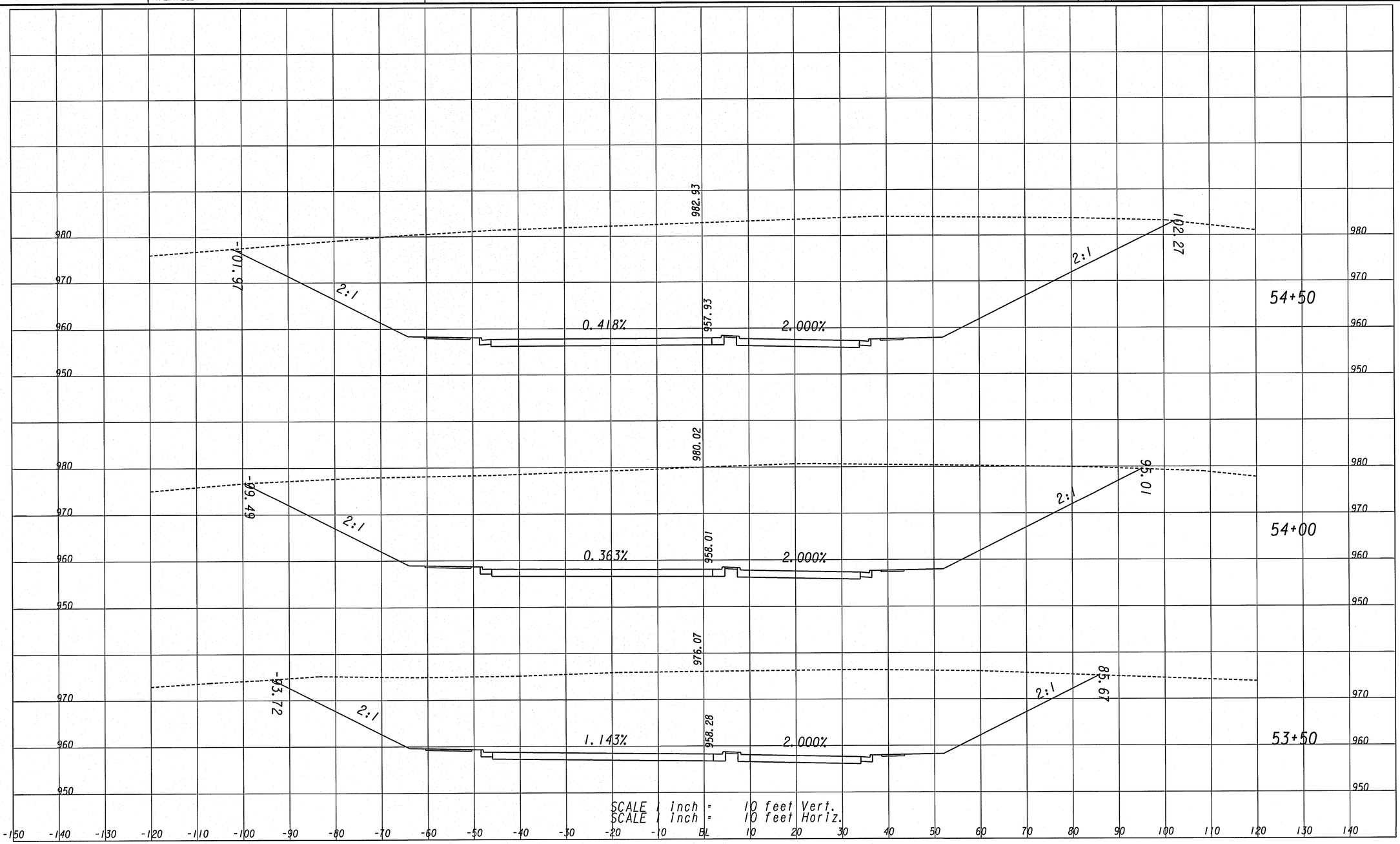
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-01

3/1/2007 G20EDG

10/15/2009 10:36:23 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xspl1.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	116	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

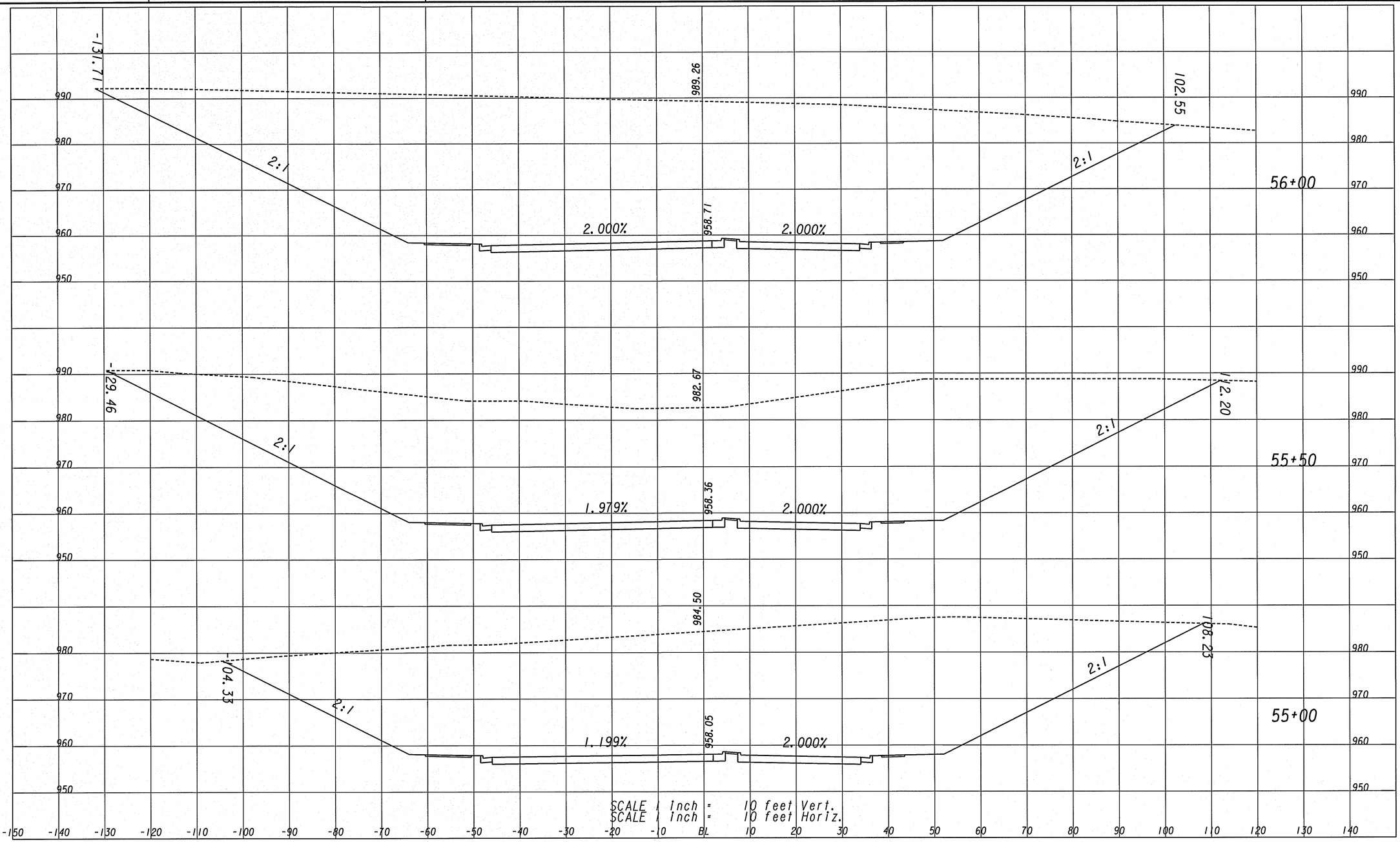
EARTHWORK CROSS SECTIONS BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-02

3/1/2007 G20ED0

10/15/2009 10:36:23 AM USER:dwebb	PRF $$PENTABLE$$	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
			GA	CSSTP-0006-00(869)	117	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

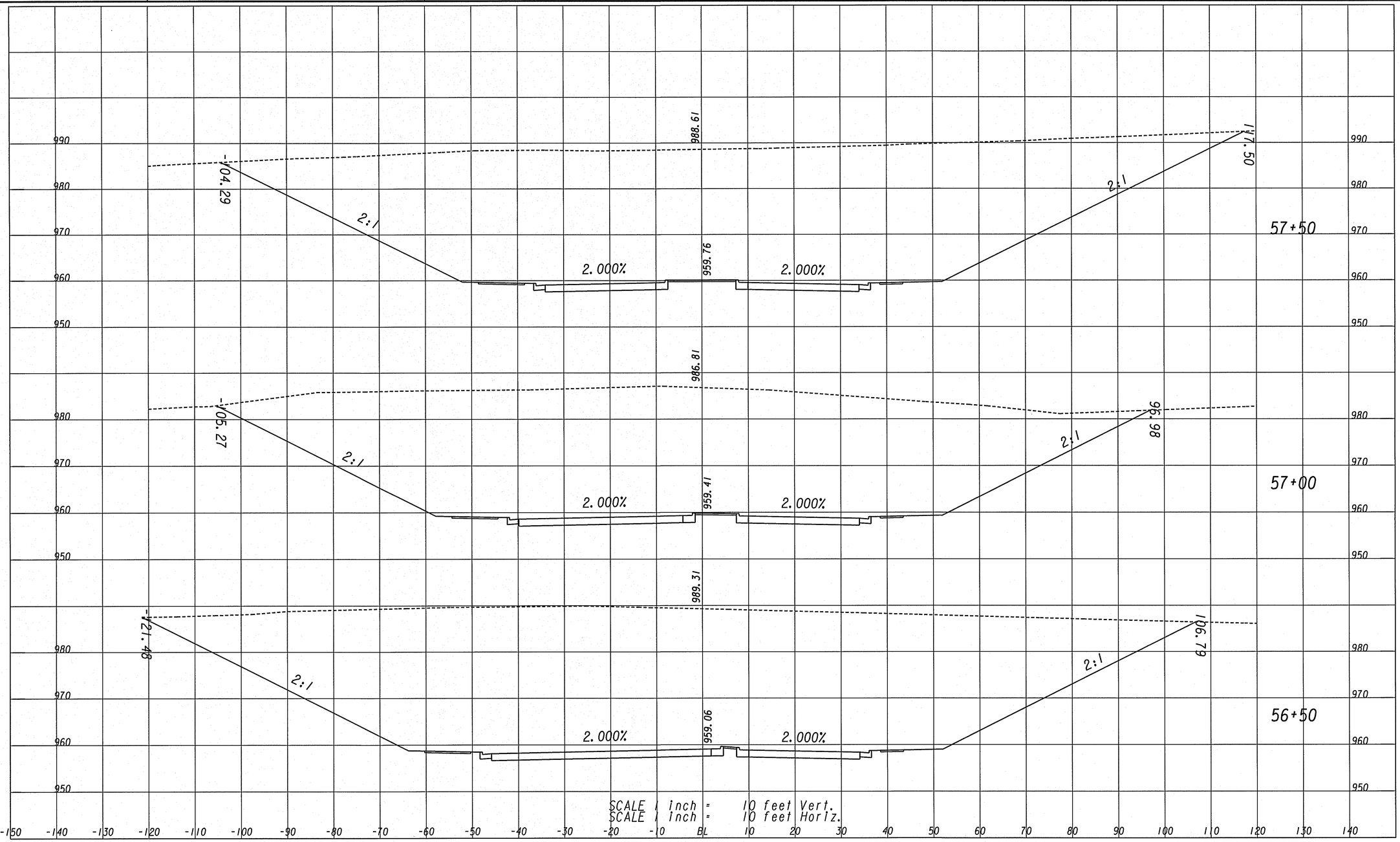
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-03

3/1/2007 G20EDG

10/15/2009	10:36:24 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xspl1.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	118	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

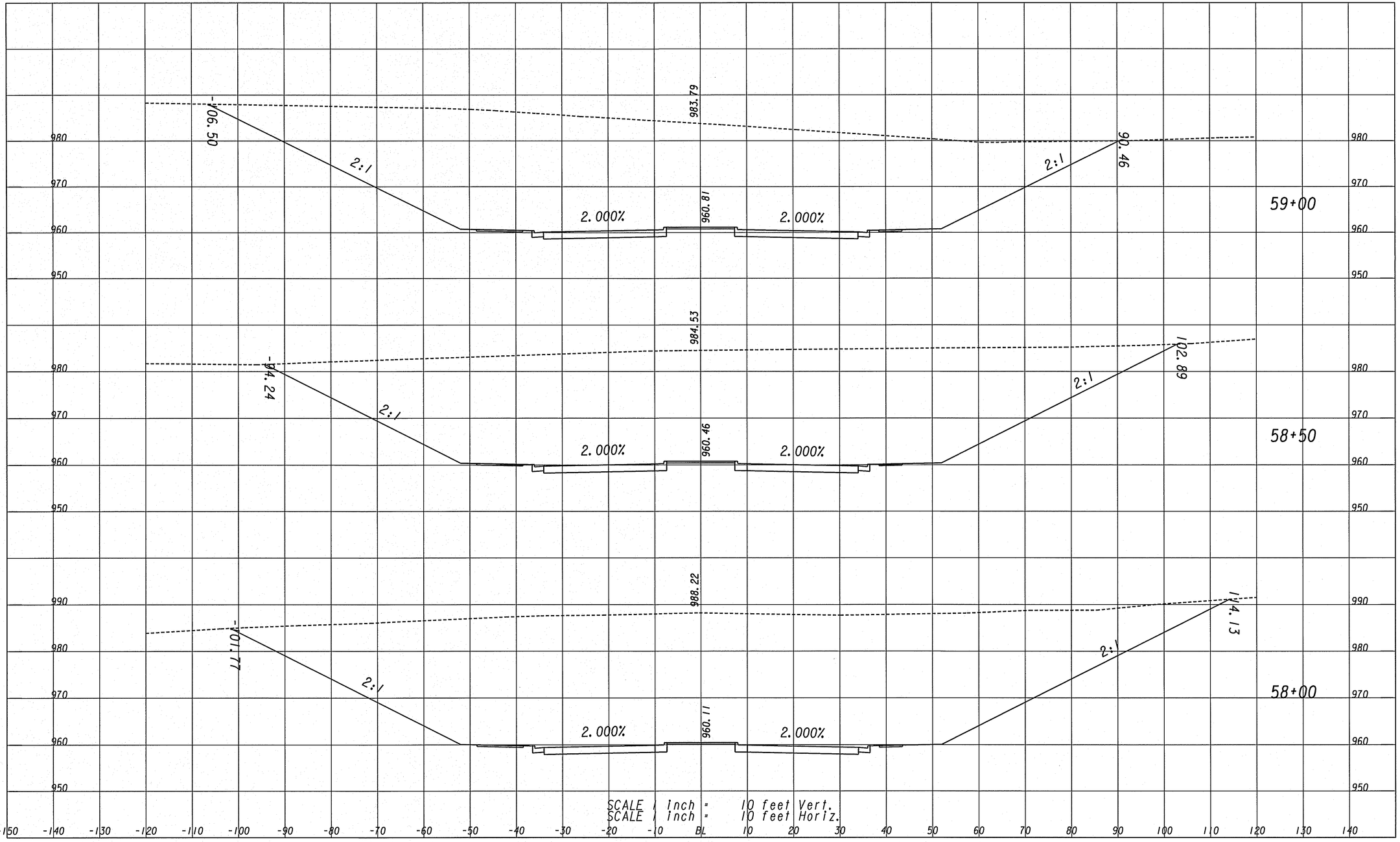
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 23-04

3/1/2007 G20EDG

10/15/2009 10:36:24 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	119	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

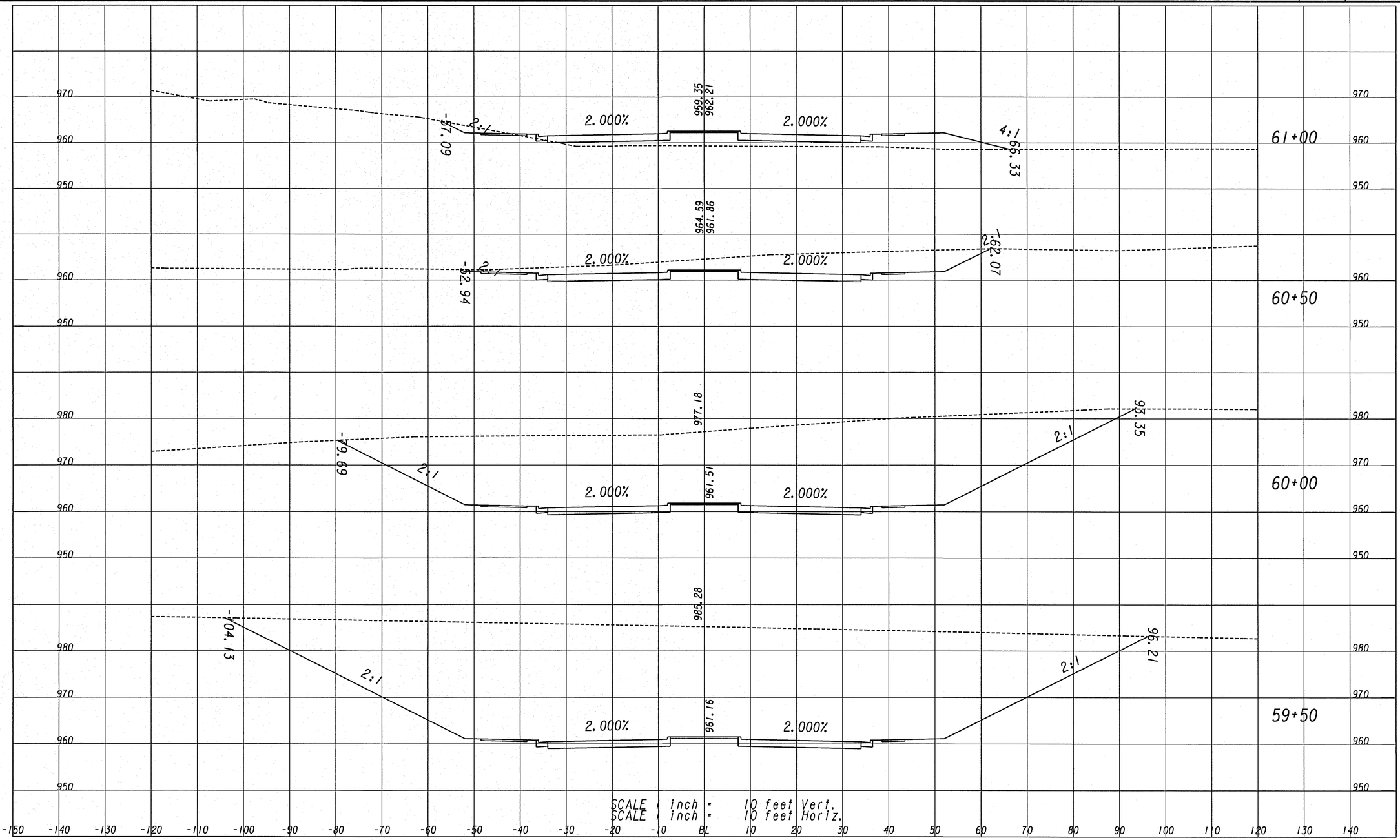
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-05

3/1/2007 G20E0G

10/15/2009	10:36:31 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xspit.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	120	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

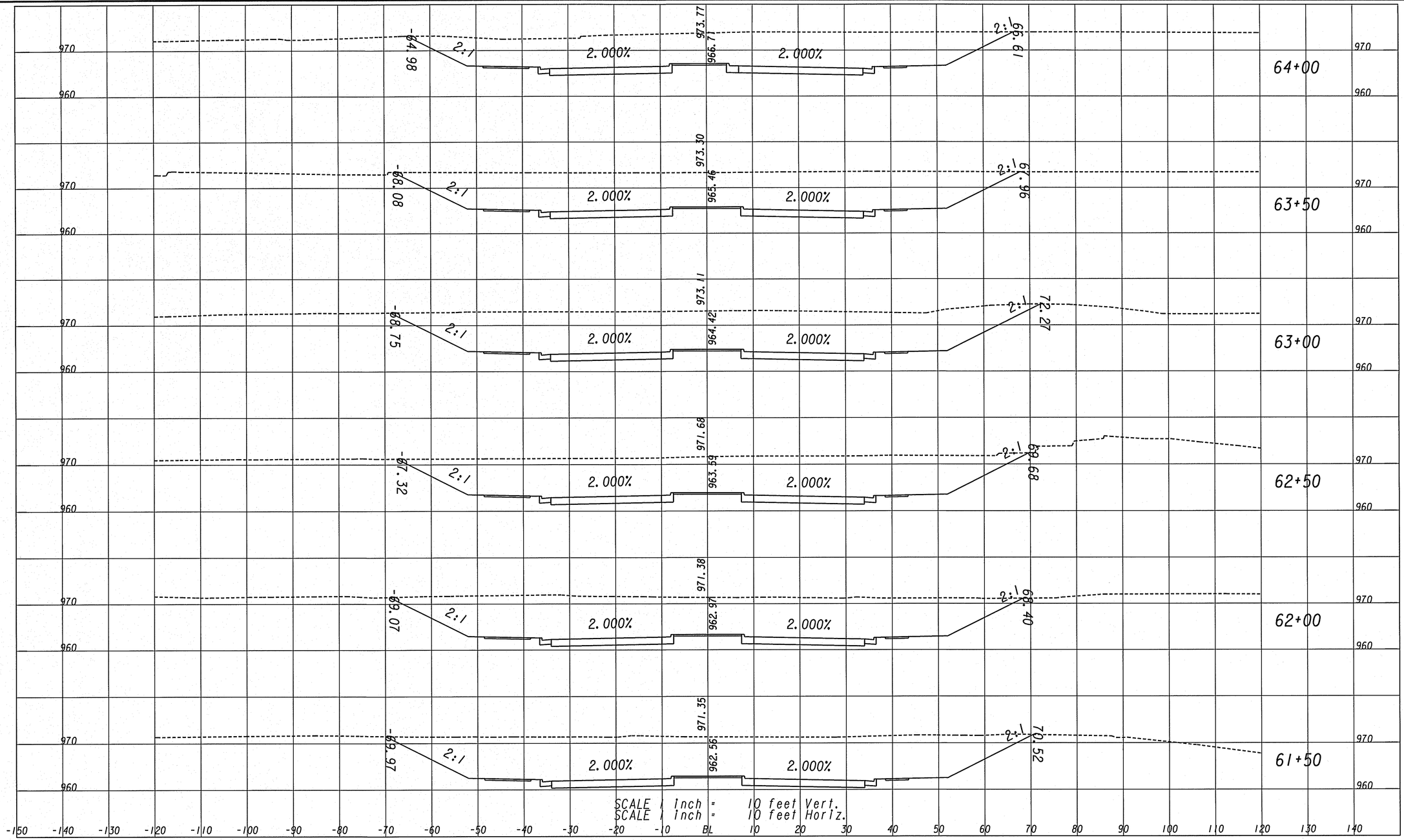
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-06

3/1/2007 G20EDG

10/15/2009 10:36:25 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	121	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

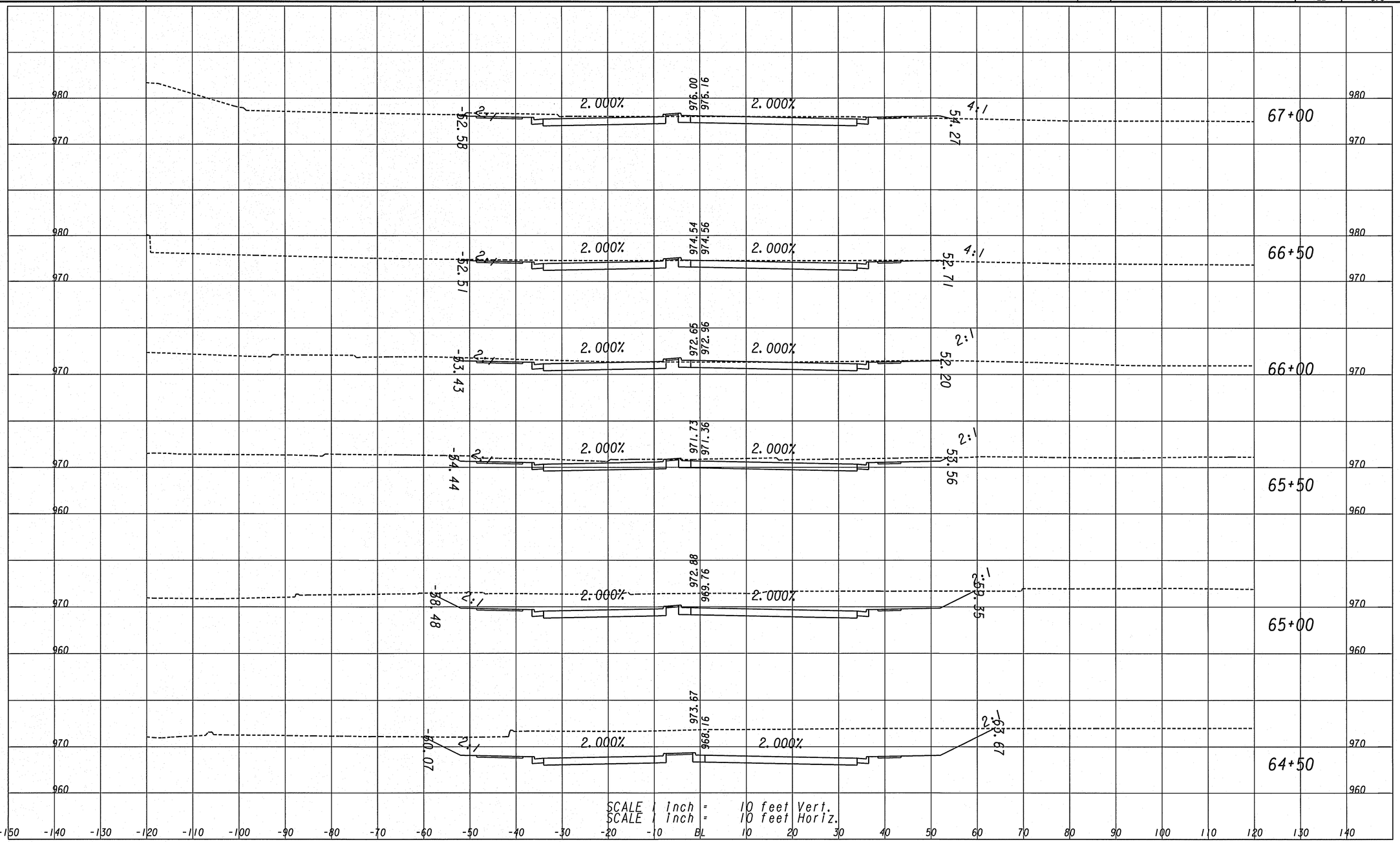
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-07

3/1/2007 G20EDG

10/15/2009 10:36:26 AM PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb $$PENTABLE$$		GA	CSSTP-0006-00(869)	122	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

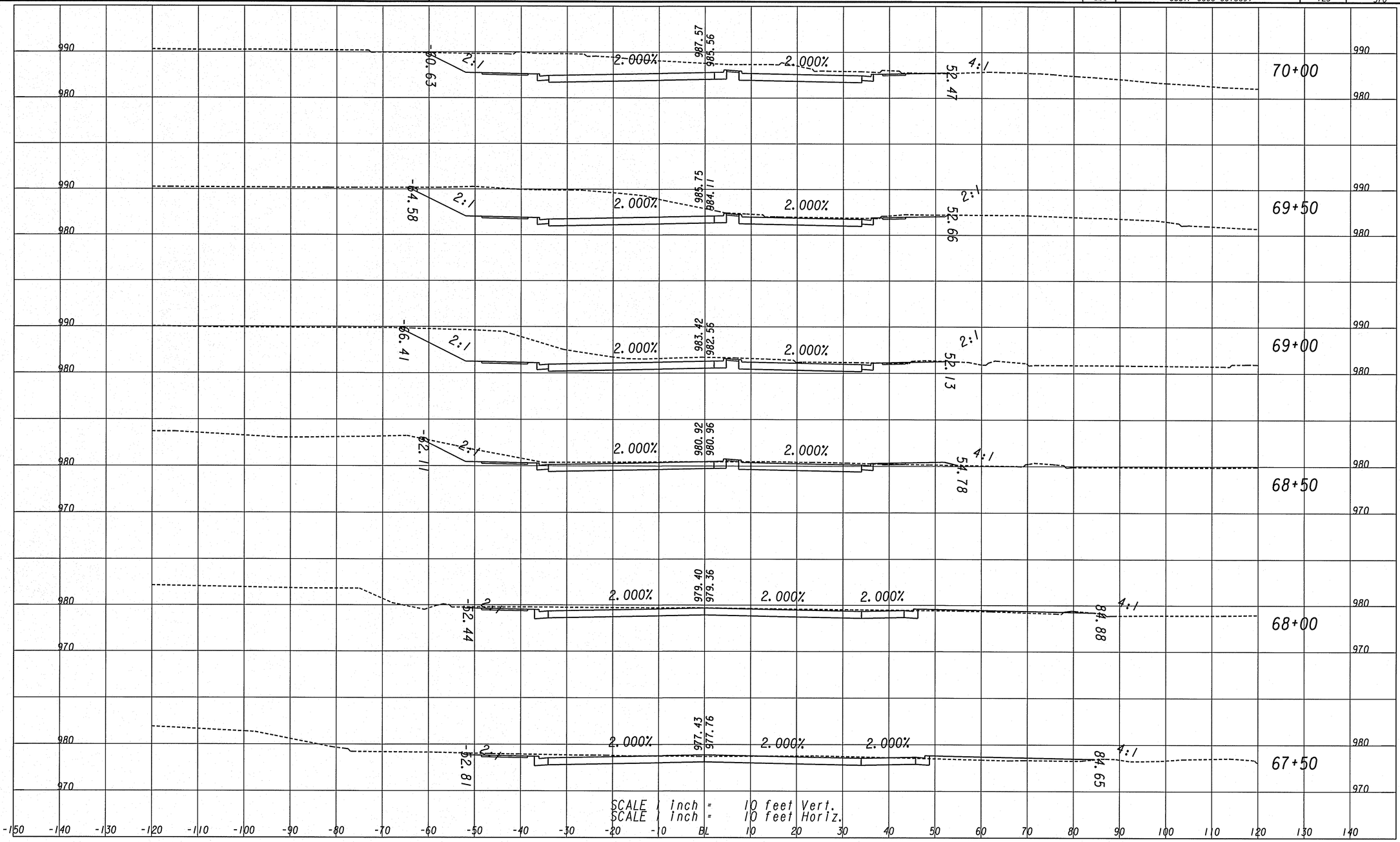
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-08

3/11/2007 G20EDG

10/15/2009 10:36:26 AM PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb $$PENTABLE$$		GA	CSSTP-0006-00(869)	123	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

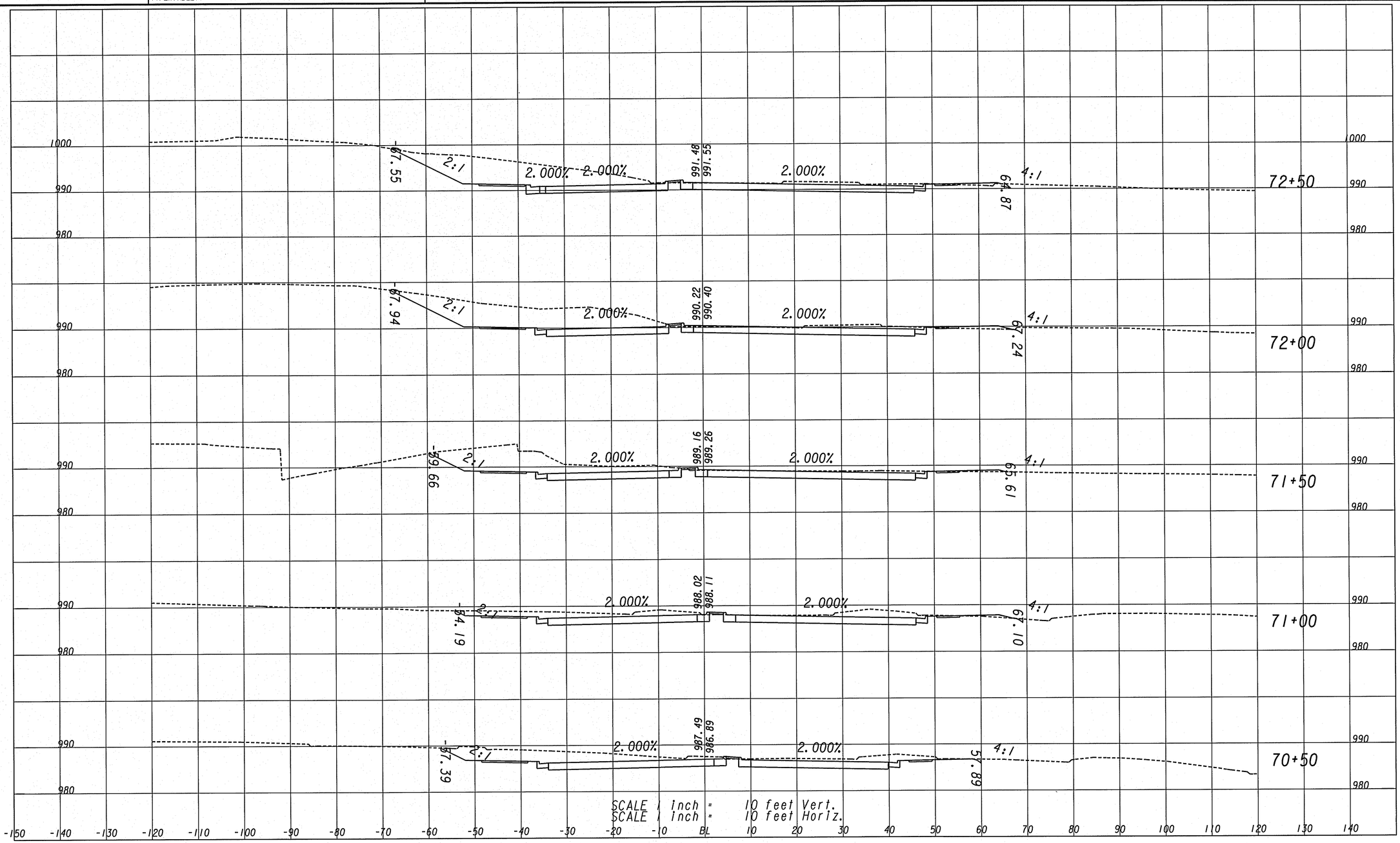
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-09

3/1/2007 G20ED6

10/15/2009	10:36:27 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	124	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

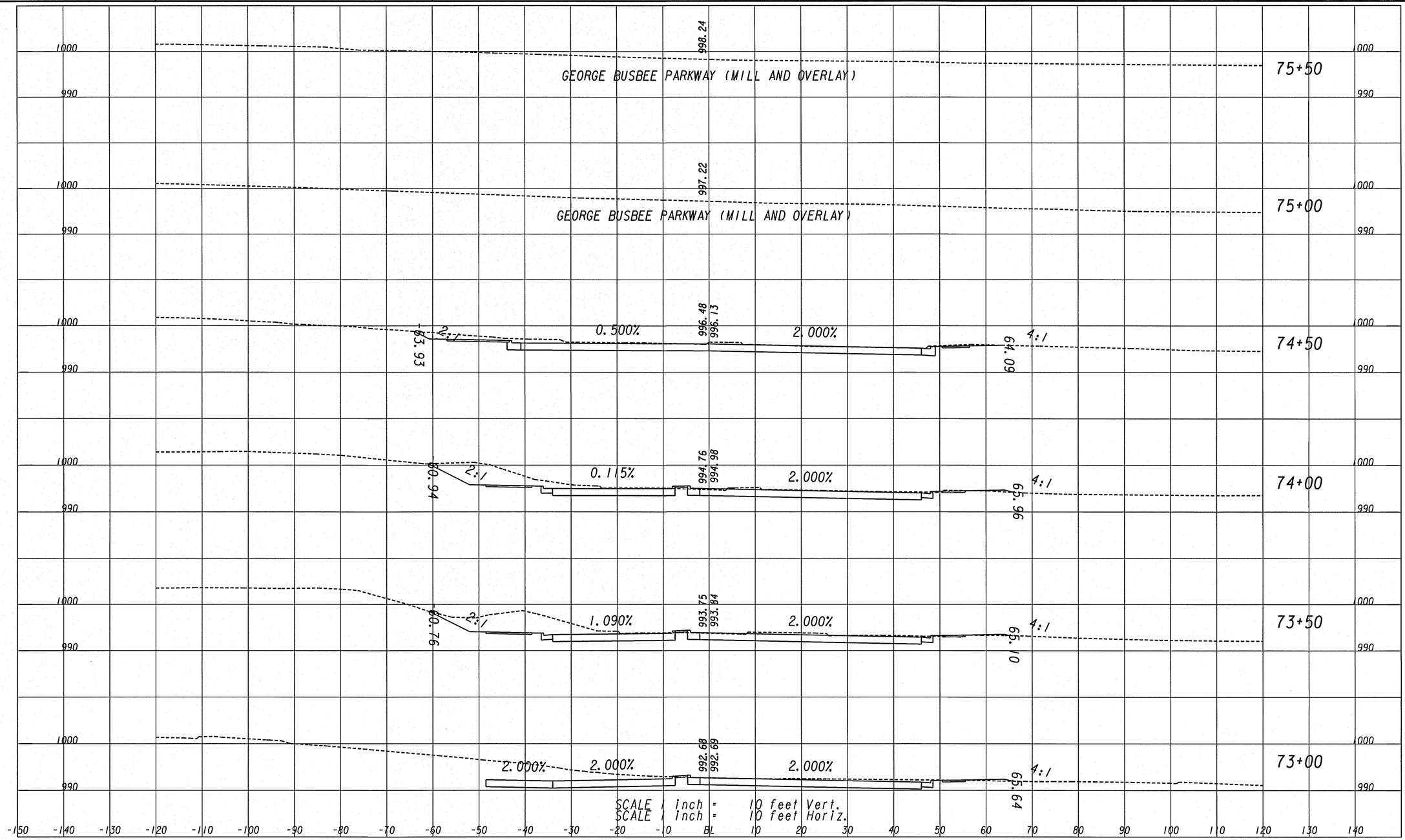
EARTHWORK CROSS SECTIONS
BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-10

3/1/2007 020EDG

10/15/2009 10:36:27 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	125	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

EARTHWORK CROSS SECTIONS BIG SHANTY CONNECTOR

BIG SHANTY CONNECTOR
PHASE I

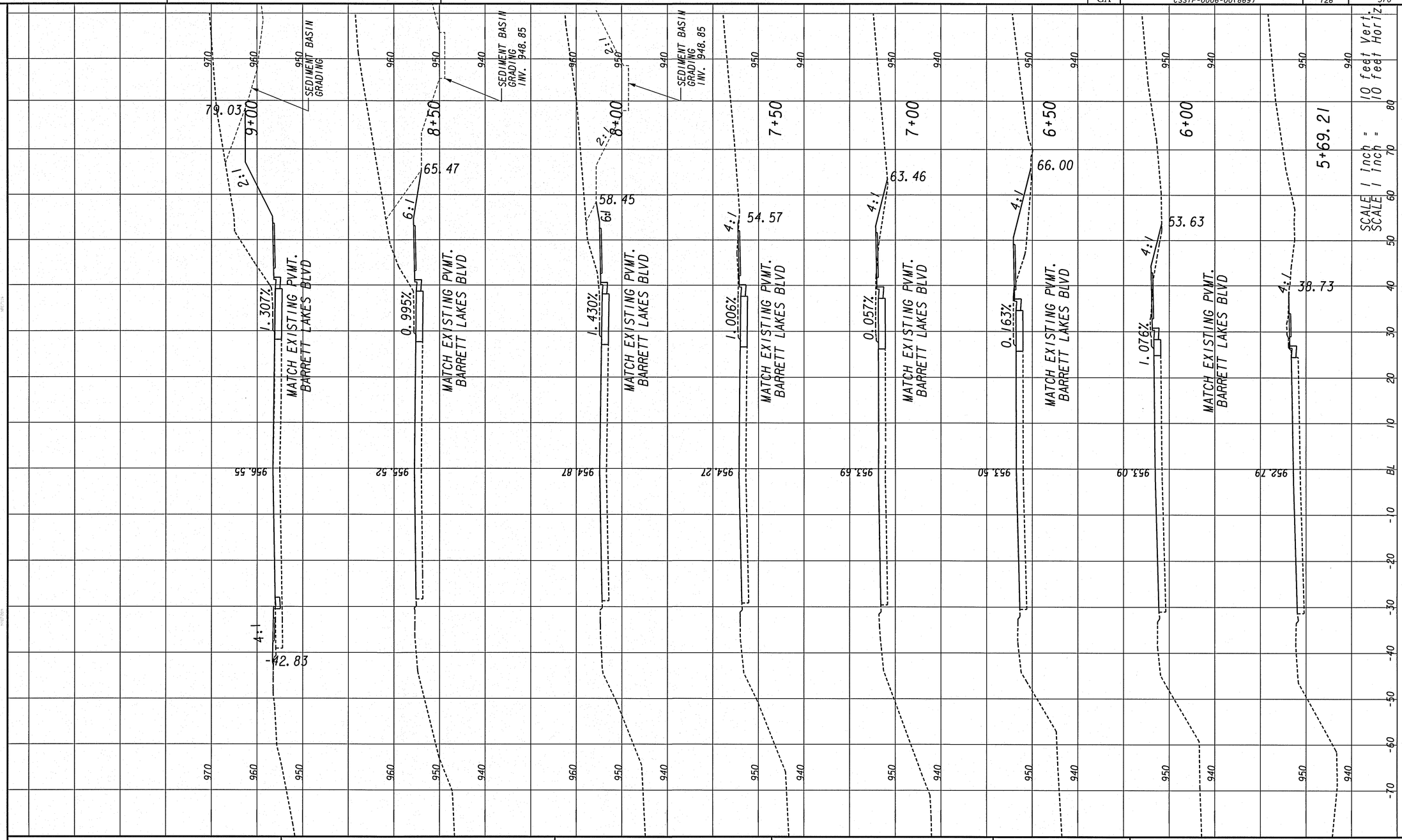
DRAWING No. 23-11

3/1/2007 G20E06

10/15/2009 10:36:28 AM PRF
USER:dwebb $$PENTABLE$$

y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	126	370



REVISION DATES		
10/01/09		

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CROSS SECTIONS BARRETT LAKES BLVD

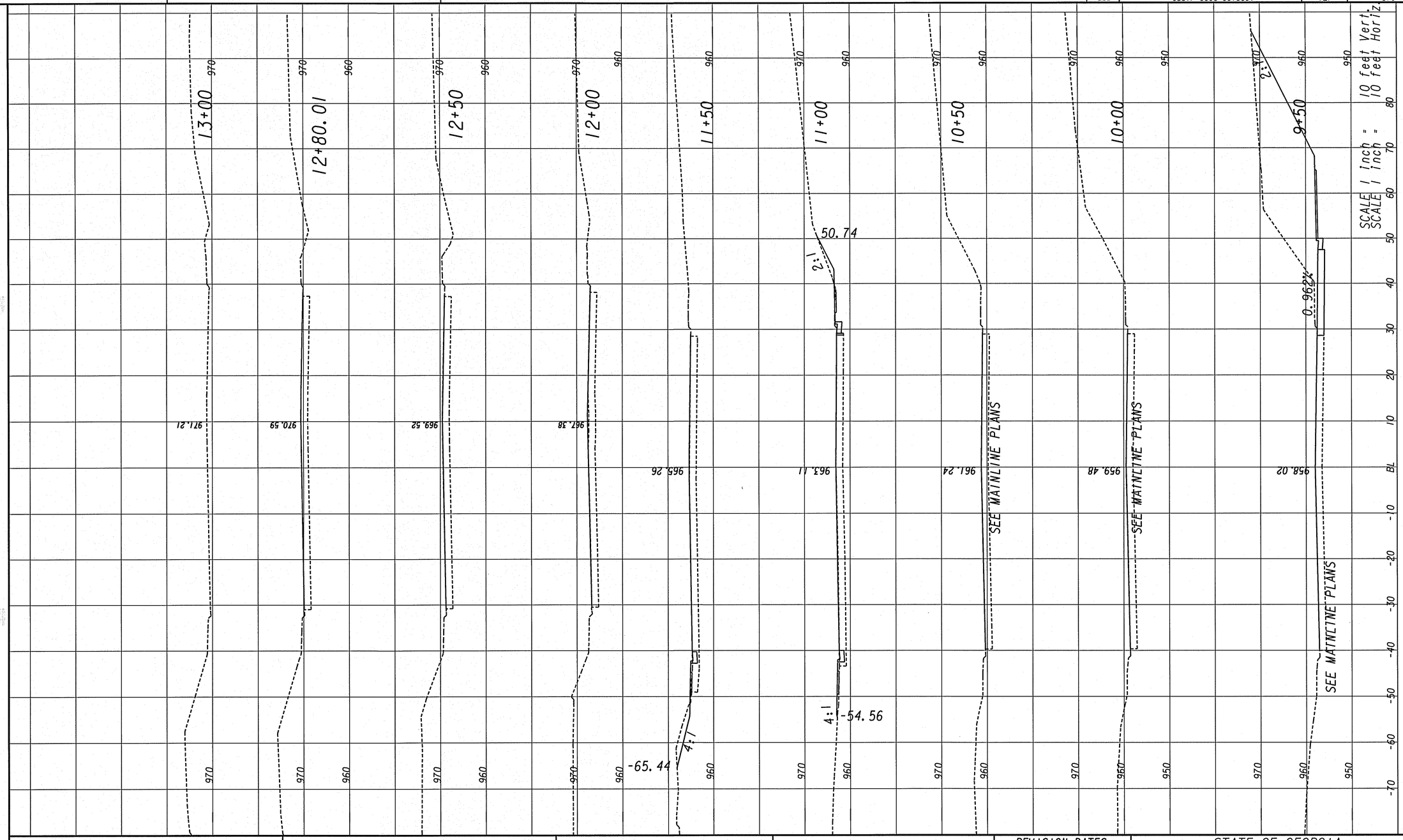
BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-12

3/1/2007 SUKEN

10/15/2009 10:36:28 AM PRF
USER:dwebb $$PENTABLE$$
y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	127	370



REVISION DATES		

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PHONE: (770) 971-5407 FAX: (770) 971-0620

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

CROSS SECTIONS
BARRETT LAKES BLVD

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-13

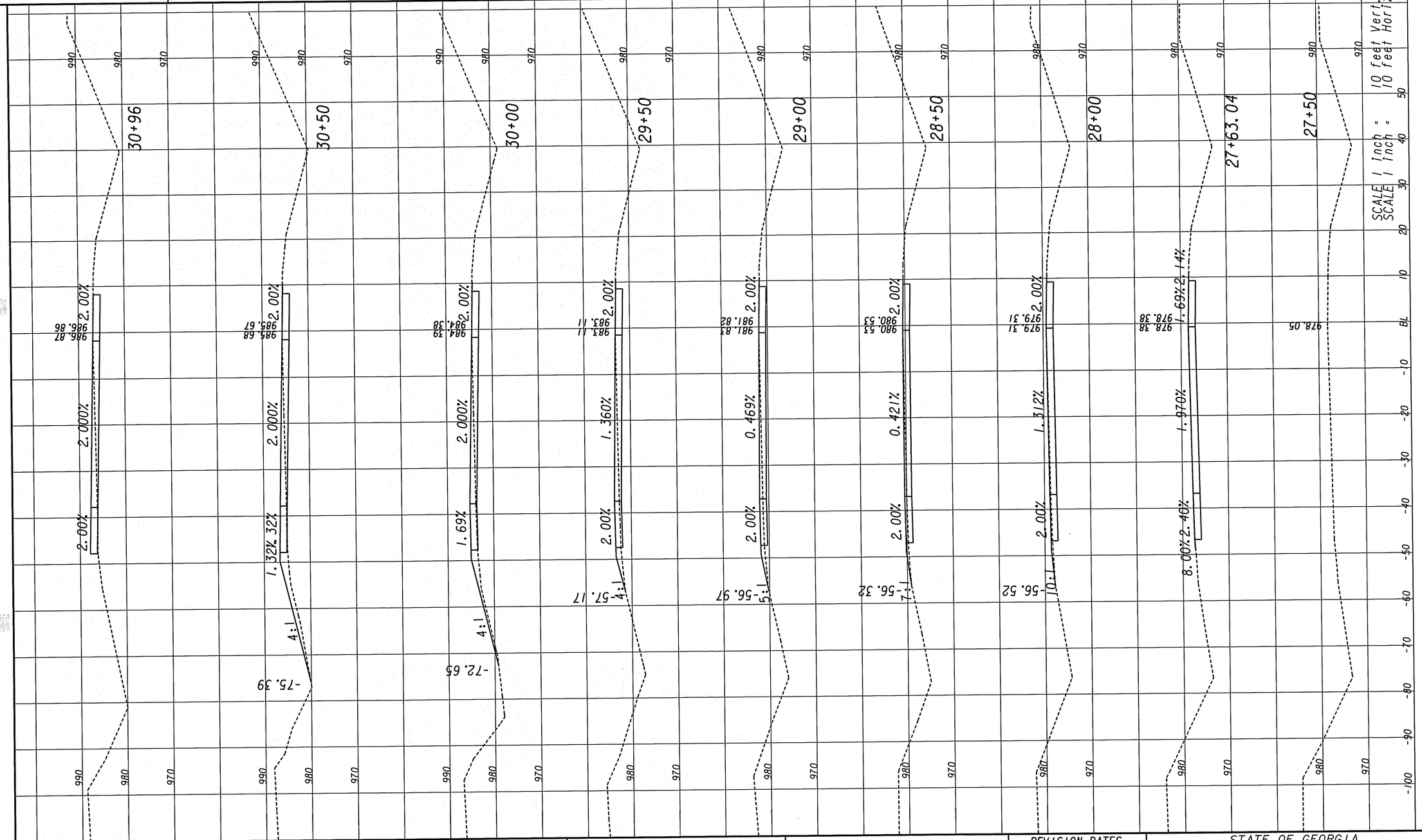
3/1/2007 SUXEN

10/15/2009
USER:dwebb

10:36:29 AM PRF
$$PENTABLE$$

y:\03|3 big shanty conn\design\006869 phase 1\dgn\006869xsplit.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	128	370



3/1/2007 SUXEN

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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

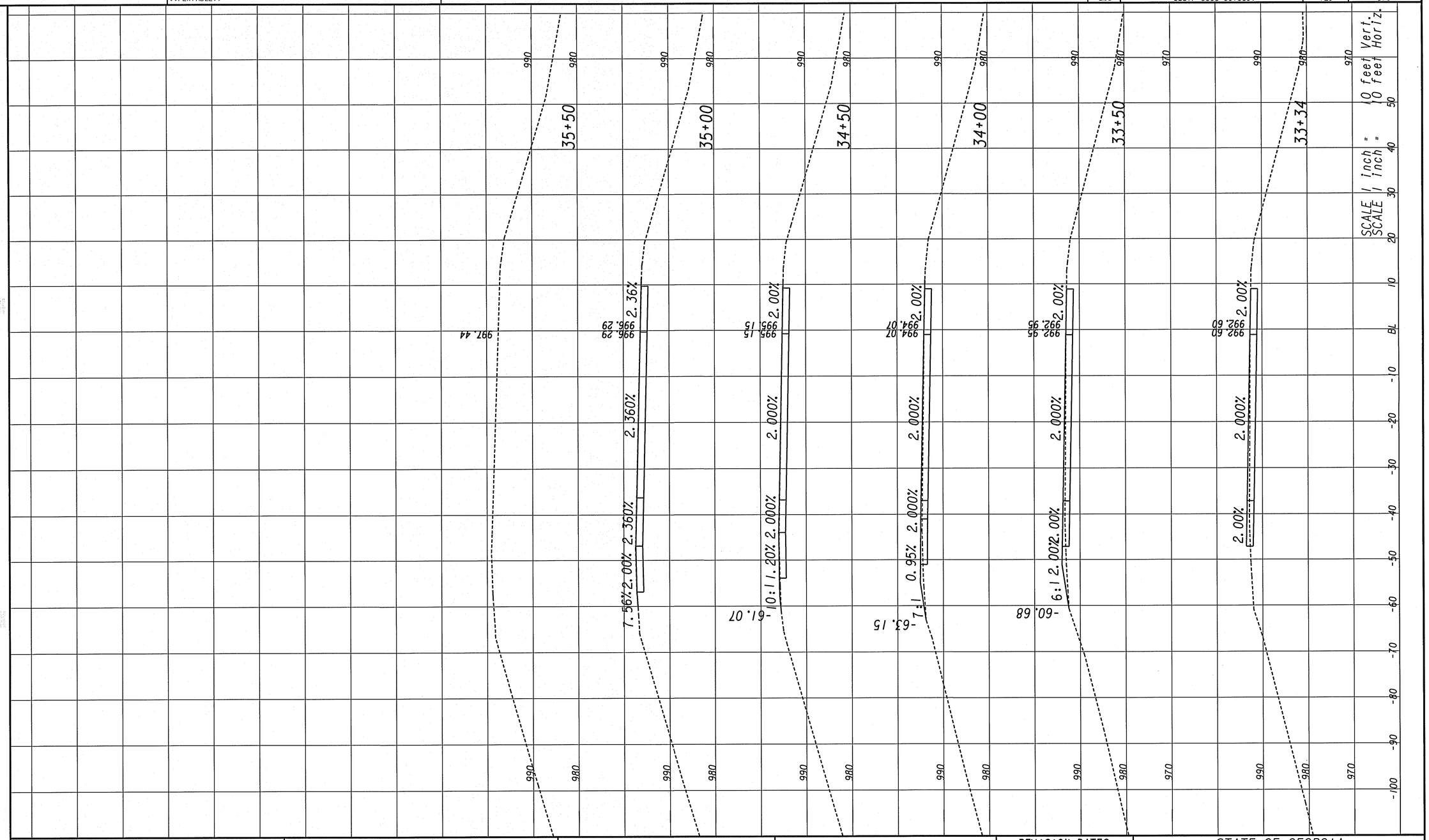
OFFICE:

CROSS SECTIONS I-75 SOUTHBOUND

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-14

10/15/2009	10:36:29 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	129	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:

CROSS SECTIONS
I-75 SOUTHBOUND

BIG SHANTY CONNECTOR
PHASE 1

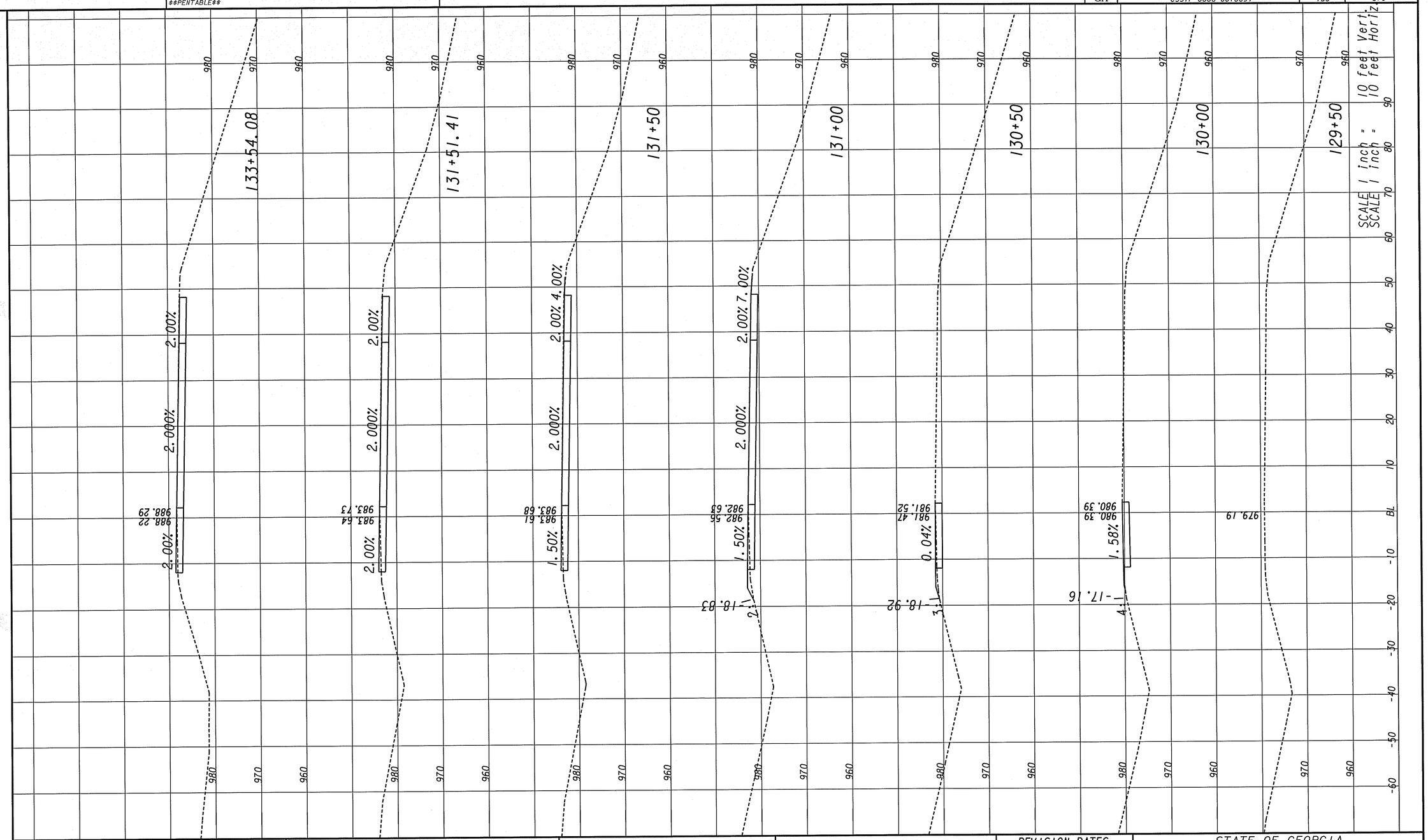
DRAWING No. 23-15

3/1/2007 SUKEN

10/15/2009 10:36:30 AM PRF
USER:dwebb $$PENTABLE$$

y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xsplt.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CSSTP-0006-00(869)	130	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE:

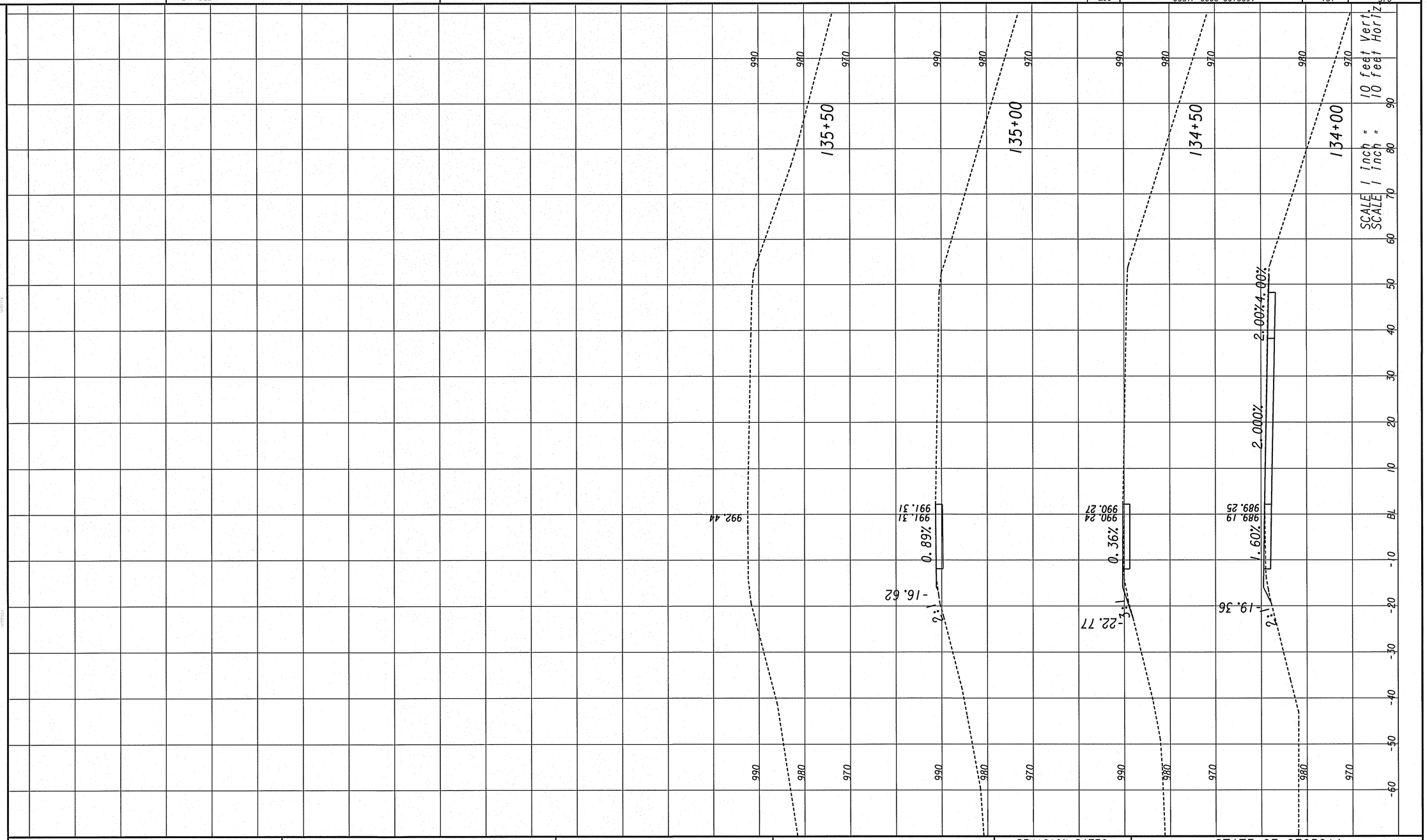
CROSS SECTIONS
I-75 NORTHBOUND

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-16

3/11/2007 SUKEN

10/15/2009	10:36:30 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869xspl1.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	131	370



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REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:

CROSS SECTIONS I-75 NORTHBOUND

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 23-17

3/1/2007 SUXEN

EXISTING OVERHEAD	OVERHEAD TO BE REMOVED	PROPOSED OVERHEAD	TYPE OF UTILITY
E	E	E	ELECTRIC
E-T	E-T	E-T	ELECTRIC/TELECOMMUNICATIONS
E-TV	E-TV	E-TV	ELECTRIC/CABLE TV
E-TC	E-TC	E-TC	ELECTRIC/TRAFFIC CONTROL
E-T-TV	E-T-TV	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
E-T-TV-TC	E-T-TV-TC	E-T-TV-TC	ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
E-TV-TC	E-TV-TC	E-TV-TC	ELECTRIC/CABLE TV/TRAFFIC CONTROL
E-T-TC	E-T-TC	E-T-TC	ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL
GW	GW	GW	GUY WIRE
T	T	T	TELECOMMUNICATIONS
T-TC	T-TC	T-TC	TELECOMMUNICATIONS/TRAFFIC CONTROL
T-TV-TC	T-TV-TC	T-TV-TC	TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL
T-TV	T-TV	T-TV	TELECOMMUNICATIONS/CABLE TV
TV	TV	TV	CABLE TV
TV-TC	TV-TC	TV-TC	CABLE TV/TRAFFIC CONTROL
TC	TC	TC	TRAFFIC CONTROL

EXISTING UNDERGROUND	UNDERGROUND TO BE REMOVED	PROPOSED UNDERGROUND	TYPE OF UTILITY
E	E	E	ELECTRIC (OL-D)
E(C)	E(C)		ELECTRIC (OL-C)
E(B)	E(B)		ELECTRIC (OL-B)
T	T	T	TELECOMMUNICATIONS (OL-D)
T(C)	T(C)		TELECOMMUNICATIONS (OL-C)
T(B)	T(B)		TELECOMMUNICATIONS (OL-B)
TV	TV	TV	CABLE TV (OL-D)
TV(C)	TV(C)		CABLE TV (OL-C)
TV(B)	TV(B)		CABLE TV (OL-B)
W	W	W	WATER (OL-D)
W(C)	W(C)		WATER (OL-C)
W(B)	W(B)		WATER (OL-B)
**W	**W	**W	WATER FOR LABELED PIPE SIZES (OL-D)
**W(C)	**W(C)		WATER FOR LABELED PIPE SIZES (OL-C)
**W(B)	**W(B)		WATER FOR LABELED PIPE SIZES (OL-B)
NW	NW	NW	NON-POTABLE WATER (OL-D)
NW(C)	NW(C)		NON-POTABLE WATER (OL-C)
NW(B)	NW(B)		NON-POTABLE WATER (OL-B)
**NW	**NW	**NW	NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-D)
**NW(C)	**NW(C)		NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-C)
**NW(B)	**NW(B)		NON-POTABLE WATER FOR LABELED PIPE SIZES (OL-B)
STM	STM	STM	STEAM (OL-D)
STM(C)	STM(C)		STEAM (OL-C)
STM(B)	STM(B)		STEAM (OL-B)
**STM	**STM	**STM	STEAM FOR LABELED PIPE SIZES (OL-D)
**STM(C)	**STM(C)		STEAM FOR LABELED PIPE SIZES (OL-C)
**STM(B)	**STM(B)		STEAM FOR LABELED PIPE SIZES (OL-B)
SS	SS	SS	SANITARY SEWER WITH FLOW DIRECTION (OL-D)
SS(C)	SS(C)		SANITARY SEWER WITH FLOW DIRECTION (OL-C)
SS(B)	SS(B)		SANITARY SEWER WITH FLOW DIRECTION (OL-B)
Σ**SS	Σ**SS	Σ**SS	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-D)
Σ**SS(C)	Σ**SS(C)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-C)
Σ**SS(B)	Σ**SS(B)		SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (OL-B)
SFM	SFM	SFM	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-D)
SFM(C)	SFM(C)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-C)
SFM(B)	SFM(B)		SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (OL-B)
G	G	G	GAS (OL-D)
G(C)	G(C)		GAS (OL-C)
G(B)	G(B)		GAS (OL-B)
**G	**G	**G	GAS FOR LABELED PIPE SIZES (OL-D)
**G(C)	**G(C)		GAS FOR LABELED PIPE SIZES (OL-C)
**G(B)	**G(B)		GAS FOR LABELED PIPE SIZES (OL-B)
P	P	P	PETROLEUM (OL-D)
P(C)	P(C)		PETROLEUM (OL-C)
P(B)	P(B)		PETROLEUM (OL-B)
**P	**P	**P	PETROLEUM FOR LABELED PIPE SIZES (OL-D)
**P(C)	**P(C)		PETROLEUM FOR LABELED PIPE SIZES (OL-C)
**P(B)	**P(B)		PETROLEUM FOR LABELED PIPE SIZES (OL-B)
TC	TC	TC	TRAFFIC CONTROL (OL-D)
TC(C)	TC(C)		TRAFFIC CONTROL (OL-C)
TC(B)	TC(B)		TRAFFIC CONTROL (OL-B)
UNK(B)	UNK(B)		UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (OL-B)

UTILITY LEGEND

UTILITY CELLS

EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
E	E	E	ELECTRIC MANHOLE	W	W	W	WELL
H	H	H	HAND HOLE	W	W	W	WATER VAULT
E	E	E	TRANSFORMER	W	W	W	WATER VALVE MARKER
E	E	E	ELECTRIC METER				STAND PIPE
			UTILITY POLE/GUY POLE				CLEANOUT
			LIGHT POLE				SANITARY SEWER MANHOLE
			GUY ANCHOR	ARV	..	..	AIR RELEASE VALVE
E	E	E	ELECTRIC BOX	T			GREASE TRAP
M	M	M	MARKER				SANITARY SEWER FORCE MAIN VALVE
T	T	T	TELECOMMUNICATIONS MANHOLE				VENT
T	T	T	TELECOMMUNICATIONS PEDESTAL				GAS VALVE
X	X	X	SPLICE BOX				GAS METER
L			SUBCRIBER LOOP CARRIER (aka "SLICK")				GAS MANHOLE
			CABINET	PR	..	..	GAS PRESSURE REGULATOR
			PHONE BOOTH				GAS VAULT
			CABLE TV PEDESTAL	GTS			GAS TEST STATION
TV	TV	TV	CABLE TV MANHOLE	P	P	P	PETROLEUM VALVE
W	W	W	WATER VALVE			MISC.	
W	W	W	WATER METER			LOS	LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
W	W	W	WATER MANHOLE			TH	TEST HOLE (QL-A ONLY)
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)			EOI	END OF INFORMATION
BFP			BACKFLOW PREVENTER				QUALITY LEVEL (QL) DELINEATION
PIV	PIV	PIV	PRESSURE INDICATOR VALVE			123	POLE ID
ARV	..		AIR RELEASE VALVE			A01	SANITARY SEWER MANHOLE (SSMH) ID

QUALITY LEVELS AND DEFINITIONS

OL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

OL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. OL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

OL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

TELEPHONE PAIR SIZE TABLE

TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

CROY ENGINEERING
Engineers Planners Surveyors
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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

UTILITY PLANS LEGEND

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 24-00

3/1/2007 GPLN

10/15/2009 10:36:33 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869ut01.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb	$$PENTABLE$$		GA	CSSTP-0006-00(869)	133	370

* NOTE: ALL STATIONING SHALL BE OFF OF BIG SHANTY CONNECTOR UNLESS OTHERWISE NOTED.

MATCH LINE STA. 11+69.00
SEE DRAWING 24-07

1
ROLLINS LEASING CORPORATION

LL 504
LL 505
L.L.L.

1- RELOCATE EXISTING FIRE HYDRANT (HORIZONAL EXTENSION)
1- ADJUST EXISTING VALVE BOX TO GRADE, IN PAVEMENT

EXISTING FIRE HYDRANT (TO BE RELOCATED)

SVX011719
SVX011718

15" RCP
MHST. TOP=963.95
INV. IN=959.20(E)
INV. OUT=958.73(S)

11+00

BKMA-400
PC-3X02RT-07

MHST. TOP=960.55
INV. IN=957.12(W)
INV. IN=956.72(N)
INV. OUT=956.22(S)

BEGIN PROJECT
STA 51+00.00
N=1464420.8482
E=2172689.4196

EXISTING 12" DIP WATERMAIN (42" COVER TYP)

50+00 51+00 52+00 53+00 54+00 55+00

℄ CONSTR.

BEGIN CONSTRUCTION
BIG SHANTY CONN.
STA. 51+26.50

REQ'D R/W

BIG SHANTY CONNECTOR

INTERSECTION
BIG SHANTY CONN. -52+10.42
BARRETT LAKES BLVD. -10+00.00
N=1464464.9650
E=2172793.7680

2

SVX030692

BLA. 52+98.50
75.00' LT.
REQ'D R/W & L/A

120 LF 20" BORING & CASING

PROPOSED 12" DIP WATER MAIN

MATCH LINE STA. 55+30.00
SEE DRAWING 24-02

DCB. TOP=957.10
INV. OUT=953.35

MHST. TOP=956.65
INV. IN=953.05(N)
INV. IN=952.45(E)
INV. IN=951.30(S)
INV. OUT=951.05

18" RCP

℄ BARRETT LAKES BLVD.

BLA. 52+93.15
75.00' RT.
REQ'D R/W & L/A

LL 504
LL 505

DCB. TOP=957.10
INV. OUT=952.17

9+00

1- CONNECT TO EXISTING 8" DIP WATER MAIN (CUT-IN)
3- 8" MJ GATE VALVE ASSEMBLY
1- 8" MJ TEE
2- 8" 90° MJ BEND, OF TYPE 3
1- 12"X8" MJ REDUCER

COBB COUNTY WATER AUTHORITY

2' THICK RIP RAP

EXISTING UTILITY POLE (TO BE RELOCATED)

REQ'D R/W

2
ROBERT McCAMY

MATCH LINE STA. 8+50.00
SEE DRAWING 24-06

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SCALE IN FEET
0 20 40 80

REVISION DATES		

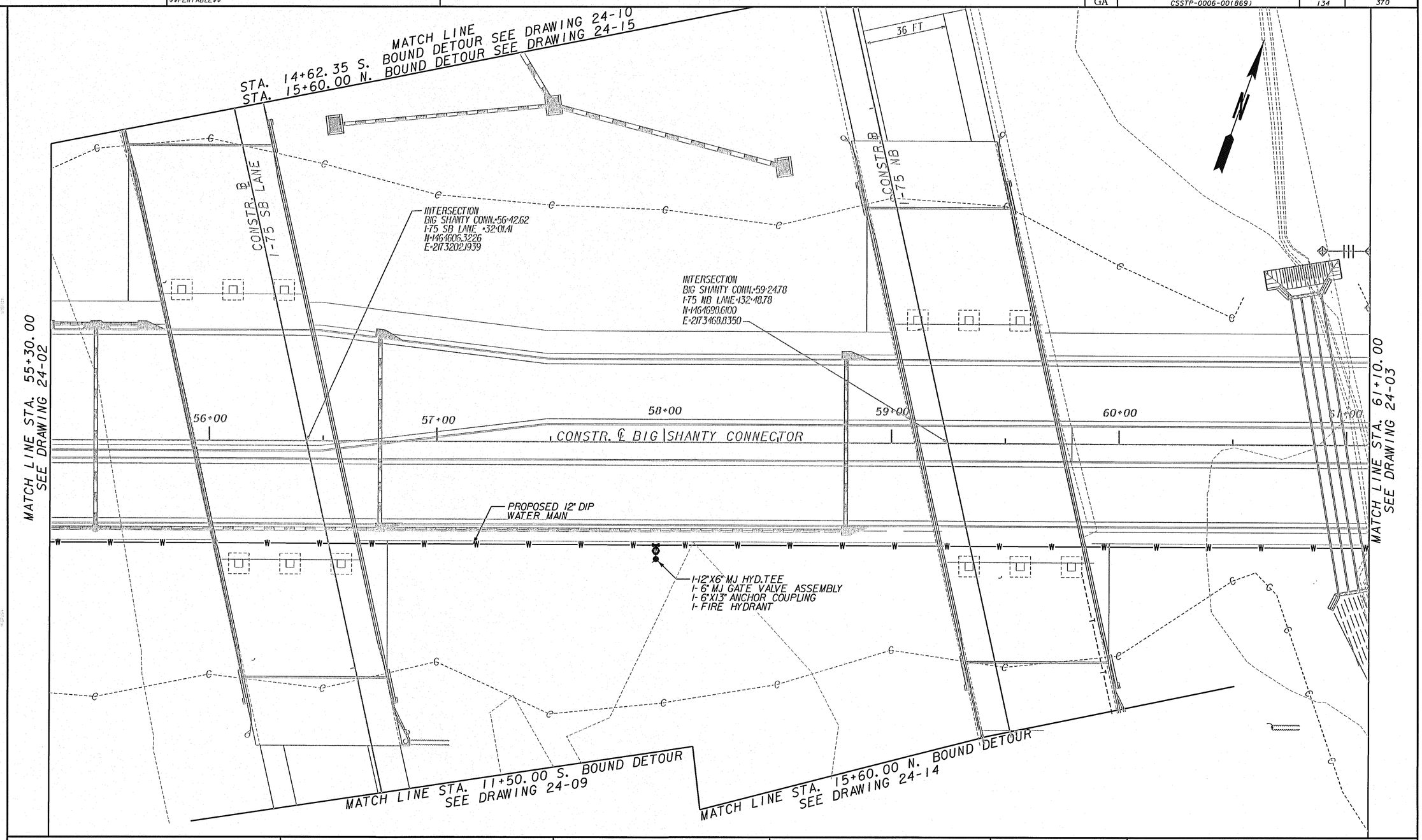
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

UTILITY PLANS

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 24-01

10/15/2009	10:36:36 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869ut02.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	134	370



GPLN

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SCALE IN FEET
0 20 40 80

REVISION DATES		

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: DISTRICT 7

UTILITY PLANS

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 24-02

10/15/2009	10:36:38 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869ut03.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
USER:dwebb		$$PENTABLE$$		GA	CSSTP-0006-00(869)	135	370

TRE PROPERTIES, INC.

DDI TOP-970.60
INV. IN 964.40 18"CMP
INV. OUT 964.40 18"CMP

MHST. TOP-972.34
INV. IN-965.93(S)
INV. IN-965.91(NW)
INV. IN-965.91(NE)
INV. OUT-965.97(SE)

DDI TOP-970.52
INV. IN-967.23(W)
INV. OUT-967.19(E)

DDI TOP-970.59
INV. OUT-966.52

DDI TOP-972.43
INV. IN-967.19(W)
INV. OUT-967.19(E)

DDI TOP-972.25
INV. OUT-967.00

DDI TOP-971.90
INV. IN-966.86(W)
INV. OUT-966.73(E)

MHST. TOP-972.25
INV. IN-966.35(N)
INV. IN-966.35(NW)
INV. OUT-966.28(SE)

SVX030708

SVX030709

REQ'D R/W & L/A

CONSTR. ℄ BIG SHANTY CONNECTOR

62+00 63+00 64+00 65+00 66+00

DDI TOP-973.01
INV. OUT-967.54
12" PVC

DDI TOP-970.67
INV. IN-965.37(W)
INV. IN-964.91(NW)
INV. OUT-964.90(SE)

MATCH LINE STA. 61+10.00
SEE DRAWING 24-02

MATCH LINE STA. 66+70.00
SEE DRAWING 24-04

PROPOSED 12" DIP WATER MAIN

DDI TOP-970.60
INV. IN 962.00 18"CMW
INV. OUT 962.00 30"CMP

EXISTING COBB EMC TRANSFORMER (TO BE REMOVED)

REQ'D R/W & L/A

1-12"X6" MJ HYD.TEE
1-6" MJ GATE VALVE ASSEMBLY
1-12" MJ GATE VALVE ASSEMBLY
1-6"X13" ANCHOR COUPLING
1-FIRE HYDRANT

PARK AND RIDE BUS STOP

3
TRE PROPERTIES, INC.

SVX030603

DDI TOP-968.31
INV. IN 960.91 24"CMP
INV. OUT 960.91 30"CMP

DDI TOP-970.58
INV. IN-963.02(N)
INV. OUT-962.91(S)

EXISTING ¾" WATER METER

EXISTING FH
1997 MH

SS 8" PVC

EXISTING 8" DIP WATERMAIN (42" COVER TYP)

SS 8" PVC

GPLN

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SCALE IN FEET
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REVISION DATES		

STATE OF GEORGIA
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OFFICE: DISTRICT 7

UTILITY PLANS

BIG SHANTY CONNECTOR
PHASE I

DRAWING No. 24-03

10/15/2009	10:36:40 AM	PRF	y:\0313 big shanty conn\design\006869 phase 1\dgn\006869ut04.dgn	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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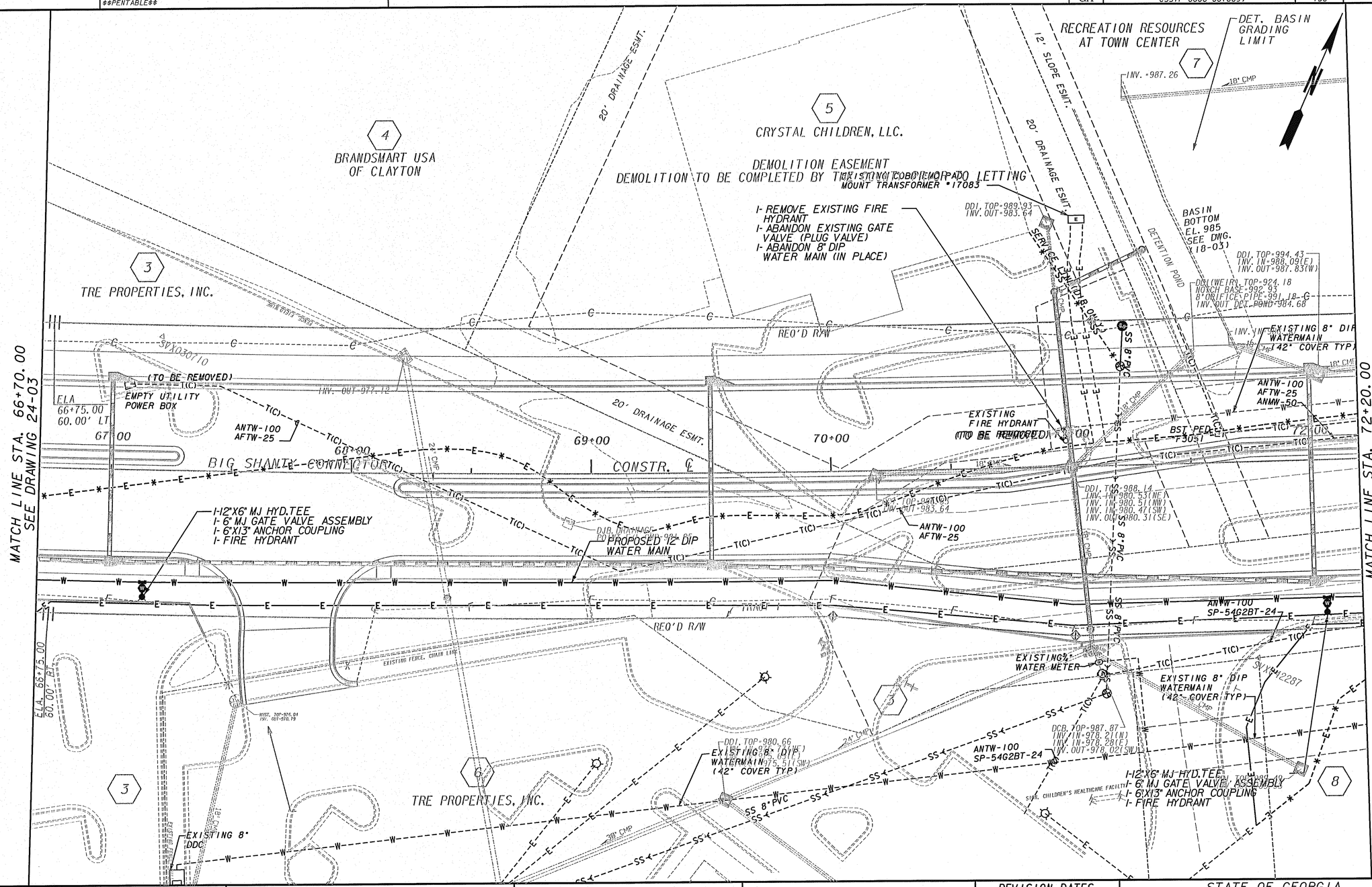

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REVISION DATES		

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OFFICE: DISTRICT 7

UTILITY PLANS

BIG SHANTY CONNECTOR
PHASE 1

DRAWING No. 24-04

GPLN