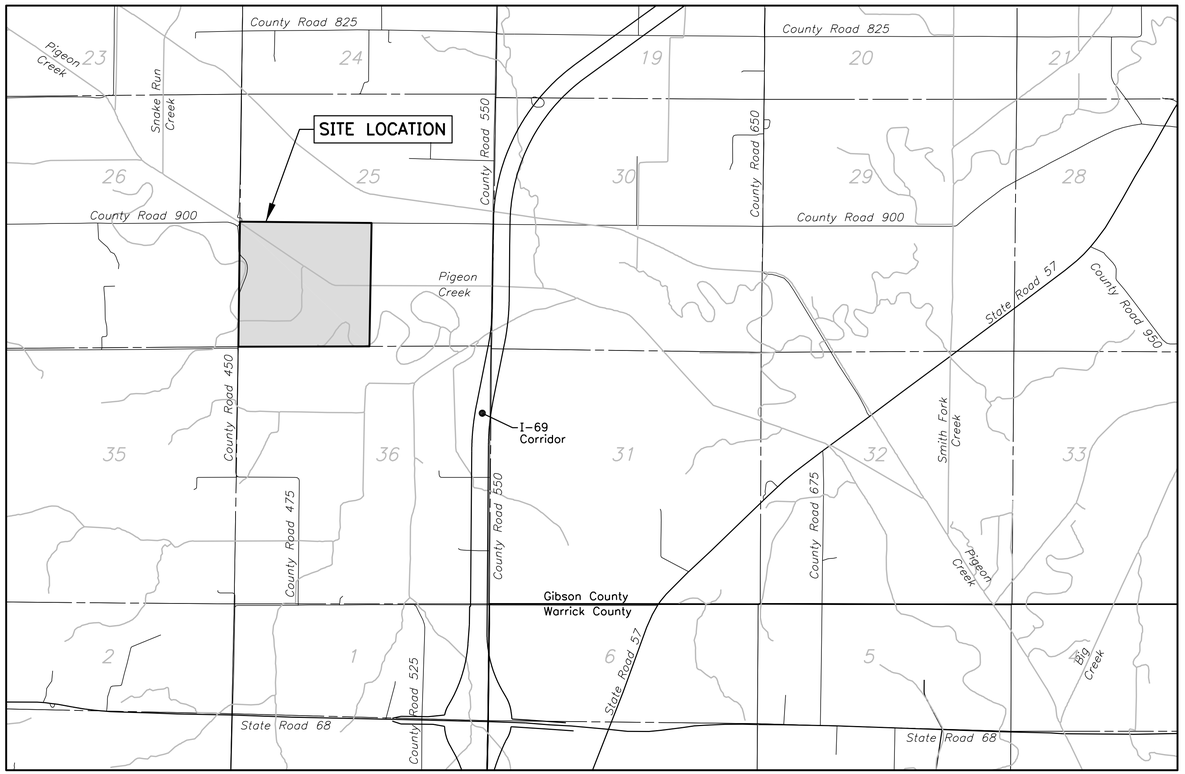
PROJECT	DESIGNATION
CN 0710405	0710405
CONTRACT	
IR-29023	

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

PROJECT NO. P.E.
PROJECT NO. RW1 0710405 R/W
PROJECT NO. CN 0710405 CONST.

TRAFFIC DATA	
A.A.D.T. (2002)	V.P.D.
A.A.D.T. (2022)	V.P.D.
D.H.V. (2022)	V.P.H.
DIRECTIONAL DISTRIBUTION	%
TRUCKS	% A.A.D.T.
	% D.H.V.
DESIGN DATA	
DESIGN SPEED	mph
PROJECT DESIGN CRITERIA	
FUNCTIONAL CLASSIFICATION	
RURAL/URBAN	
TERRAIN	
ACCESS CONTROL	



LOCATION MAP

SCALE: 1"=1500'

NOTE: THESE PLANS ARE PREPARED USING ENGLISH DIMENSIONS

[INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2008 TO BE USED WITH THESE PLANS]

PLANS PREPARED BY: BERNARDIN LOCHMUELLER & ASSOC. (812)479-6200
6200 Vogel Road Evansville, IN 47715 PHONE NUMBER

CERTIFIED BY: Jason A DuPont 12/11/07 DATE

APPROVED FOR LETTING: CHIEF, DIVISION OF DESIGN DATE

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

BRIDGE FILE
DESIGNATION
0710405
SHEETS
1 of 36
CONTRACT / PROJECT
IR-29023 / CN 0710405

S:\Survproj\103-0001\2007 WETLAND TOPO\DWGS\title_map.dwg 01/28/08 14:26 rap

UTILITIES

"HOLEY MOLEY"
DON'T
DIG
BLIND

1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

GENERAL NOTES

	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
	The final cross section of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. ___ and Sta. ___, shall be removed as directed.
	The quantity of peat excavation shown of the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
	Sheet Signs and Posts shall not be ordered until the exact number of signs and length of each post has been determined upon field investigation.
	All Signs shall be marked for identification. The Marking Material shall be either Scotch Lite, Seibulite, Reflexite or approved equal. The identifying message shall consist of INDOT and the Month and Year the sign is installed. The Message Copy shall consist of White or Black Lettering (of a minimum of 25mm in height) on Black or White Background respectively. The Marking for Sheet Signs shall be placed on the lower corner closest to the center-line of the road. The Marking for Panel Signs shall be placed on the bottom panel on the end closest to the centerline of the roadway. The Marking shall not be covered by the Sign's support after installation of the sign.
	Existing Exit Direction Signs and Stop Signs shall not be removed until the new ones are at the job site and ready to install. These two signs shall be seen by traveling motorists at all times. At least one Advance Guide Sign is required in advance of the Exit Point.
	All design shall be in accordance with the Standard Specifications for Structural Supports for Highway Signs, Lum-inaires and Traffic Signals, Latest Edition.
	The Contractor will have an Option of Either Using our Standard Installation or Transpo's Break-Safe Type A and Type B Couplings for Sign Supports (Wide Flange)

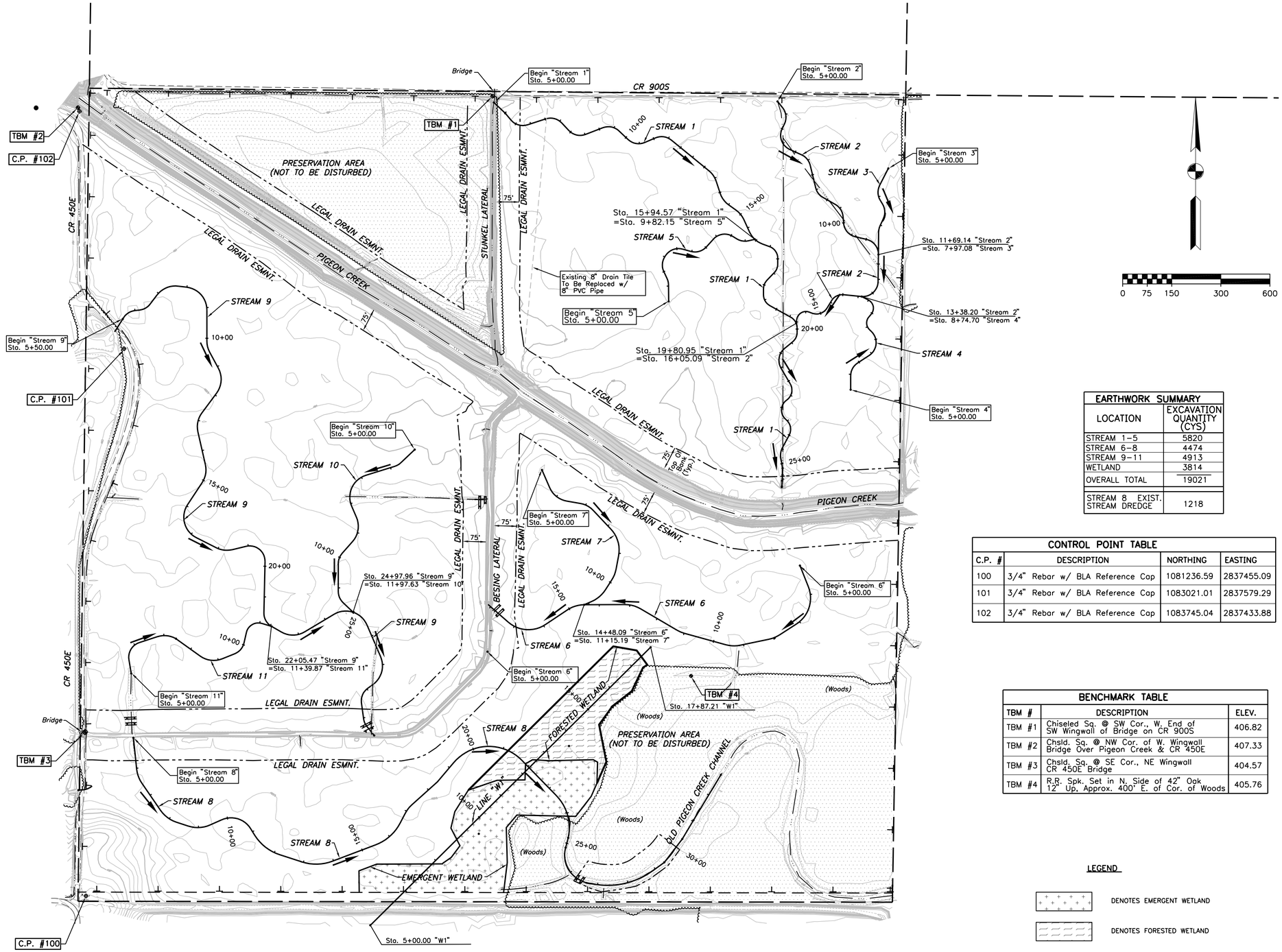
** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3	OVERALL SITE LAYOUT
4	NE QUAD SITE PLAN (STREAMS 1-5)
5	SOUTH SITE PLAN (STREAMS 6-8)
6	NW QUAD SITE PLAN (STREAMS 9-11)
7	WETLAND LAYOUT DETAIL
8	EROSION CONTROL / TRENCHING LAYOUT
9	STREAM ALIGNMENT TABLES
10	NE QUAD STREAM PROFILES (STREAM 1-5)
11	SOUTH STREAM PROFILES (STREAMS 6-8)
12	NW QUAD STREAM PROFILES (STREAM 9-11)
13-15	CROSS SECTION STREAM 1
16-17	CROSS SECTION STREAM 2-3
18	CROSS SECTION 3-4-5
19-20	CROSS SECTION STREAM 6
21	CROSS SECTION STREAM 7
22-24	CROSS SECTION STREAM 8
25-28	CROSS SECTION STREAM 9
29	CROSS SECTION STREAM 10
30	CROSS SECTION STREAM 11
31-36	CROSS SECTION LINE "W1" WETLAND

REVISIONS

SHEET NO.	DATE	REVISED



EARTHWORK SUMMARY	
LOCATION	EXCAVATION QUANTITY (CYS)
STREAM 1–5	5820
STREAM 6–8	4474
STREAM 9–11	4913
WETLAND	3814
OVERALL TOTAL	19021
STREAM 8 EXIST. STREAM DREDGE	1218

CONTROL POINT TABLE			
C.P. #	DESCRIPTION	NORTHING	EASTING
100	3/4" Rebar w/ BLA Reference Cap	1081236.59	2837455.09
101	3/4" Rebar w/ BLA Reference Cap	1083021.01	2837579.29
102	3/4" Rebar w/ BLA Reference Cap	1083745.04	2837433.88

BENCHMARK TABLE		
TBM #	DESCRIPTION	ELEV.
TBM #1	Chiseled Sq. @ SW Cor., W. End of SW Wingwall of Bridge on CR 900S	406.82
TBM #2	Chsld. Sq. @ NW Cor. of W. Wingwall Bridge Over Pigeon Creek & CR 450E	407.33
TBM #3	Chsld. Sq. @ SE Cor., NE Wingwall CR 450E Bridge	404.57
TBM #4	R.R. Spk. Set in N. Side of 42" Oak 12" Up, Approx. 400' E. of Cor. of Woods	405.76

LEGEND

DENOTES EMERGENT WETLAND

DENOTES FORESTED WETLAND

STREAM FLOW DIRECTION

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

DESIGNED: JAD DRAWN: RAP

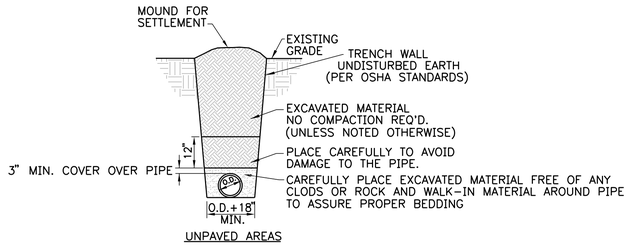
CHECKED: DJR CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

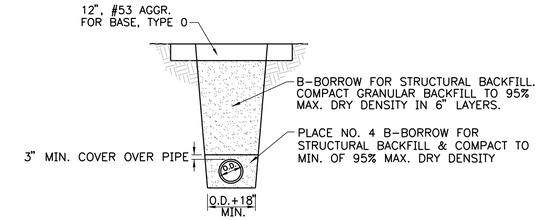
OVERALL SITE LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=150'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	3 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\overall_siteplan.dwg 12/11/07 13:39 rap



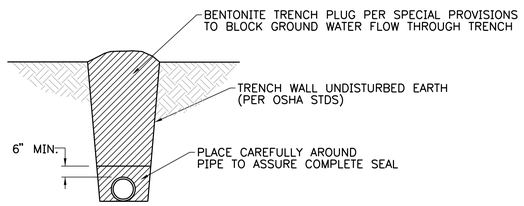
UNPAVED AREAS



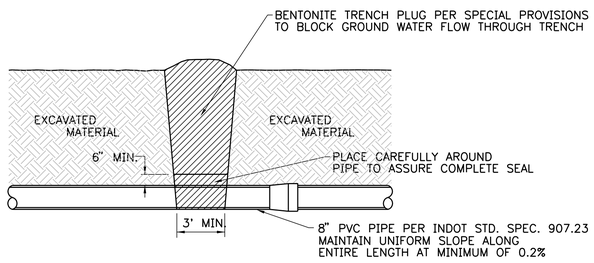
ROADWAY AREAS

TILE DRAIN REPLACEMENT DETAIL

NOT TO SCALE



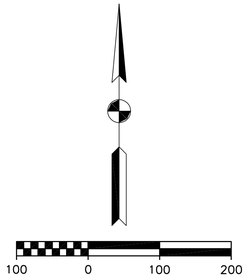
TRENCH PLUG SECTION

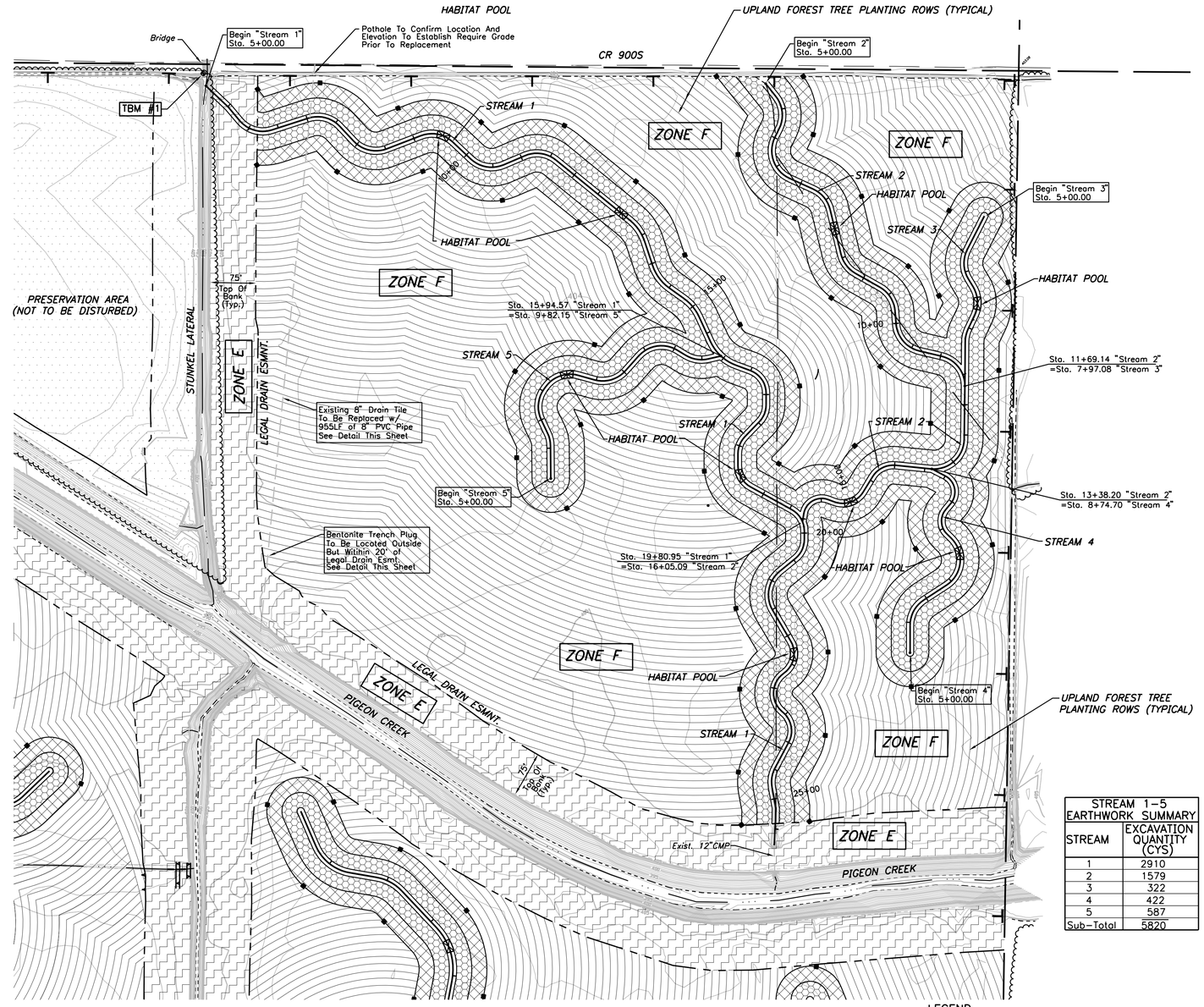


TRENCH PLUG PROFILE

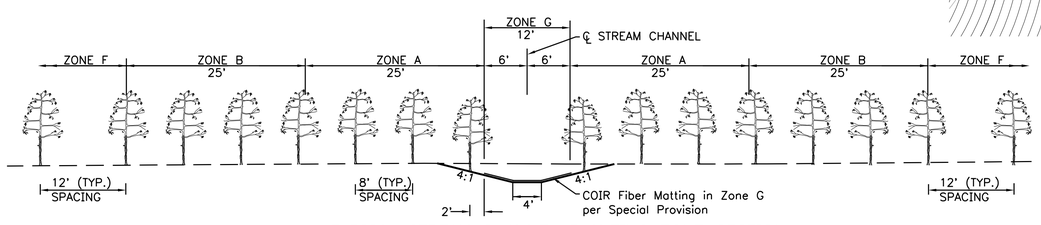
BENTONITE TRENCH PLUG DETAIL

NOT TO SCALE



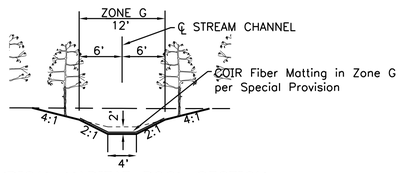


STREAM 1-5 EARTHWORK SUMMARY	
STREAM	EXCAVATION QUANTITY (CYS)
1	2910
2	1579
3	322
4	422
5	587
Sub-Total	5820



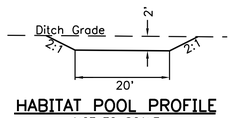
TYPICAL STREAM CHANNEL PLANTING ZONE SECTION

NOT TO SCALE



TYPICAL HABITAT POOL SECTION

NOT TO SCALE



HABITAT POOL PROFILE

NOT TO SCALE

ZONE LEGEND

ZONE A - WOODED RIPARIAN AREA (FROM END OF ZONE G BACK 25')
ZONE B - WOODED RIPARIAN AREA (FROM END OF ZONE A BACK 25')
ZONE C - FORESTED WETLAND AREA
ZONE D - EMERGENT WETLAND AREA
ZONE E - HERBACEOUS RIPARIAN FILTER AREA (WITHIN REGULATED DRAINAGE EASEMENTS)
ZONE F - UPLAND FOREST MITIGATION
ZONE G - DITCH BOTTOM MITIGATION AREA

LEGEND

- DENOTES ZONE "A"
- DENOTES ZONE "B"
- DENOTES ZONE "E"
- DENOTES ZONE "F" W/ TREE PLANTING ROW ALIGNMENTS
- DO NOT MOW SIGN (200' SPACING)
- 4"X4" WOOD DELINEATOR POST (150' SPACING)
- HABITAT POOL

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 12/11/07 DATE

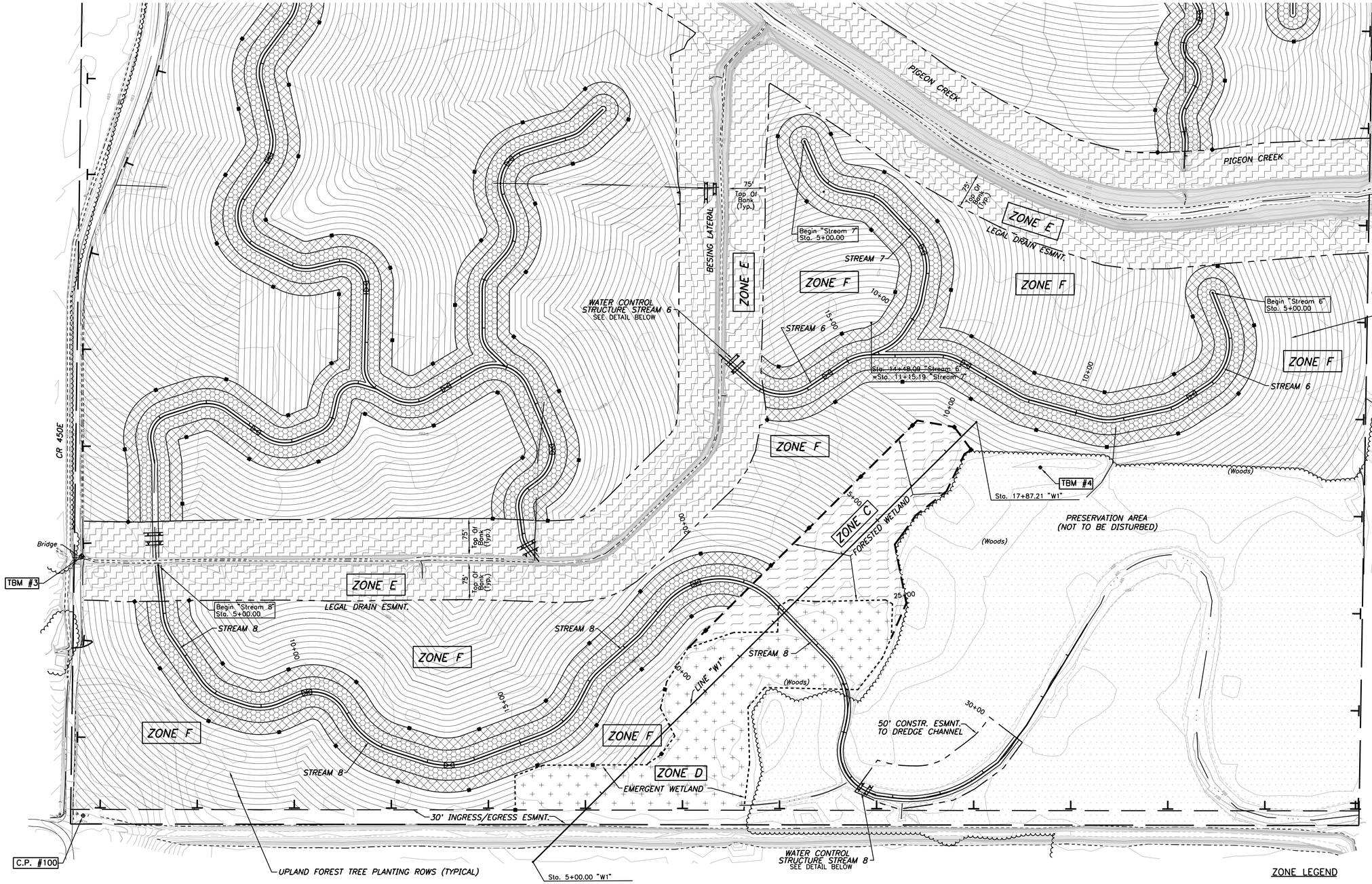
DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

NE QUAD SITE PLAN
STREAMS 1 - 5

HORIZONTAL SCALE	BRIDGE FILE
1"=100'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	4 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

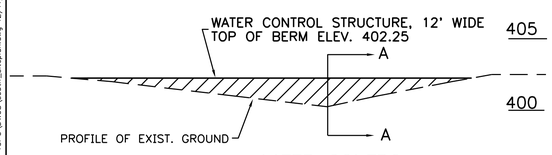
S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\ne_quad_site.dwg 12/11/07 13:36 rap



STREAM 6–8 EARTHWORK SUMMARY	
STREAM	EXCAVATION QUANTITY (CYS)
6	1783
7	591
8	2100
Sub-Total	4474
STREAM 8–EXIST. STREAM DREDGE	1218

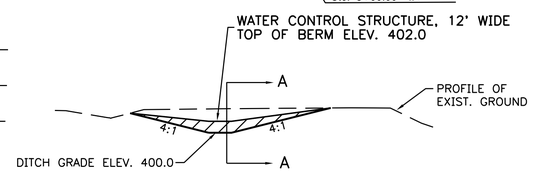
LEGEND

- DENOTES ZONE "A"
- DENOTES ZONE "B"
- DENOTES ZONE "E"
- DENOTES EMERGENT WETLAND, ZONE D, ELEV. 402.25
- DENOTES FORESTED WETLAND, ZONE C, ELEV. 403.0
- DENOTES ZONE "F" W/ TREE PLANTING ROW ALIGNMENTS
- DO NOT MOW SIGN (200' SPACING)
- 4"X4" WOOD DELINEATOR POST (150' SPACING)



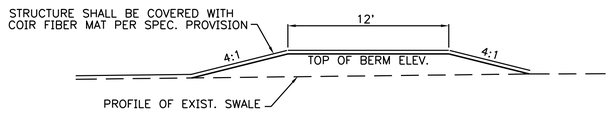
WATER CONTROL STRUCTURE STREAM 8
NOT TO SCALE

FOR DITCH PROFILE SEE STREAM 8
SHEET NW DITCH PROFILES, STREAM 6 – 8



WATER CONTROL STRUCTURE STREAM 6
NOT TO SCALE

FOR DITCH PROFILE SEE STREAM 9
SHEET NW DITCH PROFILES, STREAM 9 – 11



WATER CONTROL STRUCTURE SECTION A–A
NOT TO SCALE

ZONE LEGEND

ZONE A – WOODED RIPARIAN AREA (FROM END OF ZONE G BACK 25')
ZONE B – WOODED RIPARIAN AREA (FROM END OF ZONE A BACK 25')
ZONE C – FORESTED WETLAND AREA
ZONE D – EMERGENT WETLAND AREA
ZONE E – HERBACEOUS RIPARIAN FILTER AREA (WITHIN REGULATED DRAINAGE EASEMENTS)
ZONE F – UPLAND FOREST MITIGATION
ZONE G – DITCH BOTTOM MITIGATION AREA

NOTE:
FOR TYPICAL STREAM CHANNEL PLANTING ZONE SECTION AND TYPICAL HABITAT POOL SECTION SEE SHEET 4.

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 12/11/07 DATE

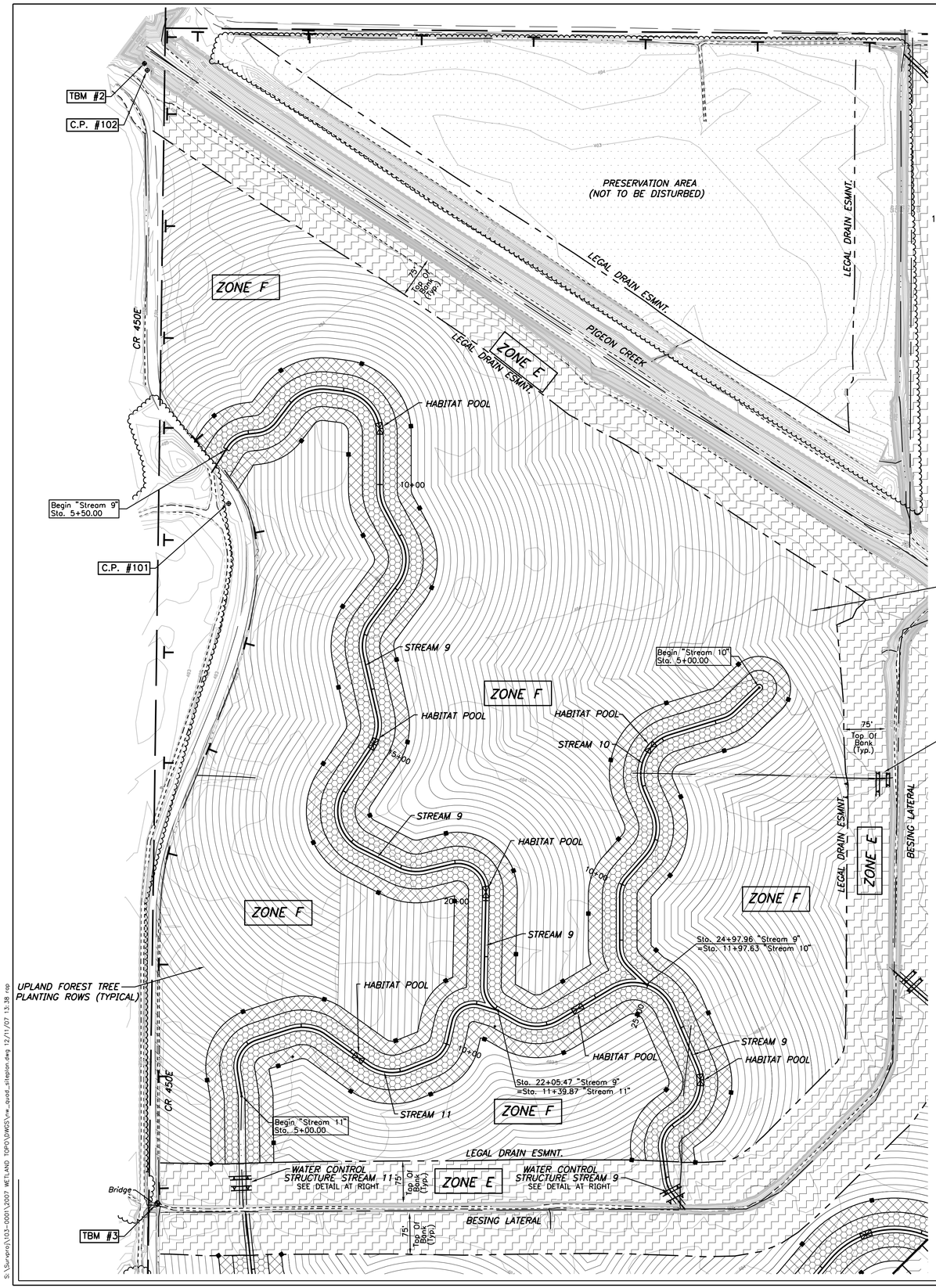
DESIGNED: JAD DRAWN: RAP
CHECKED: DJR CHECKED: DJR

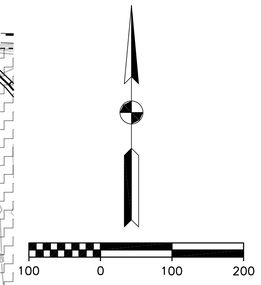
INDIANA DEPARTMENT OF TRANSPORTATION

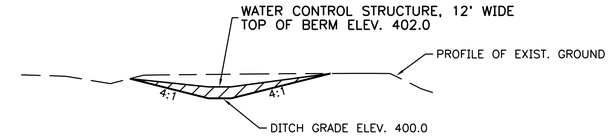
SOUTH SITE PLAN
STREAMS 6 – 8

HORIZONTAL SCALE	BRIDGE FILE
1"=100'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	5 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\south_siteplan.dwg 12/11/07 13:36 rap



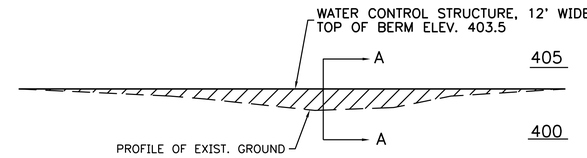




WATER CONTROL STRUCTURE STREAM 9

NOT TO SCALE

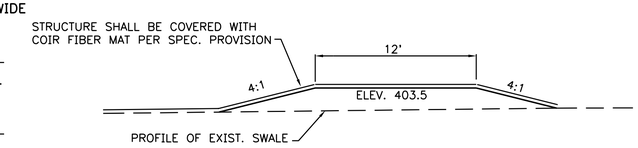
FOR DITCH PROFILE SEE STREAM 9
SHEET NW DITCH PROFILES, STREAM 9 – 11



WATER CONTROL STRUCTURE STREAM 11

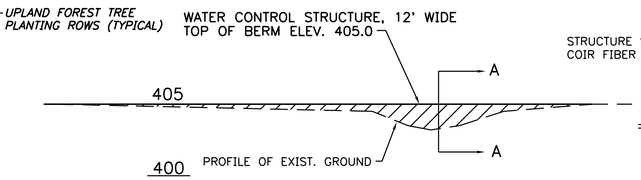
NOT TO SCALE

FOR DITCH PROFILE SEE STREAM 11
SHEET NW DITCH PROFILES, STREAM 9 – 11



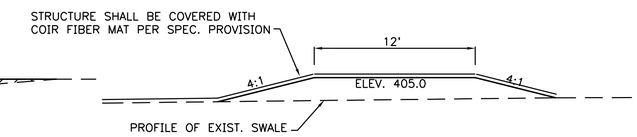
WATER CONTROL STRUCTURE STREAM 11 SECTION A–A

NOT TO SCALE



WATER CONTROL STRUCTURE BESING LATERAL

NOT TO SCALE



WATER CONTROL STRUCTURE BESING LATERAL SECTION A–A

NOT TO SCALE

NOTE:
FOR TYPICAL STREAM CHANNEL PLANTING ZONE SECTION AND TYPICAL HABITAT POOL SECTION SEE SHEET 4.

LEGEND

- DENOTES ZONE "A"
- DENOTES ZONE "B"
- DENOTES ZONE "E"
- DENOTES ZONE "F" W/ TREE PLANTING ROW ALIGNMENTS
- DO NOT MOW SIGN (150' SPACING)
- 4"X4" WOOD DELINEATOR POST (150' SPACING)
- HABITAT POOL

ZONE LEGEND

ZONE A – WOODED RIPARIAN AREA (FROM END OF ZONE G BACK 25')
ZONE B – WOODED RIPARIAN AREA (FROM END OF ZONE A BACK 25')
ZONE C – FORESTED WETLAND AREA
ZONE D – EMERGENT WETLAND AREA
ZONE E – HERBACEOUS RIPARIAN FILTER AREA (WITHIN REGULATED DRAINAGE EASEMENTS)
ZONE F – UPLAND FOREST MITIGATION
ZONE G – DITCH BOTTOM MITIGATION AREA

STREAM 9–11 EARTHWORK SUMMARY	
STREAM	EXCAVATION QUANTITY (CYS)
9	3366
10	709
11	838
Sub–Total	4913

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

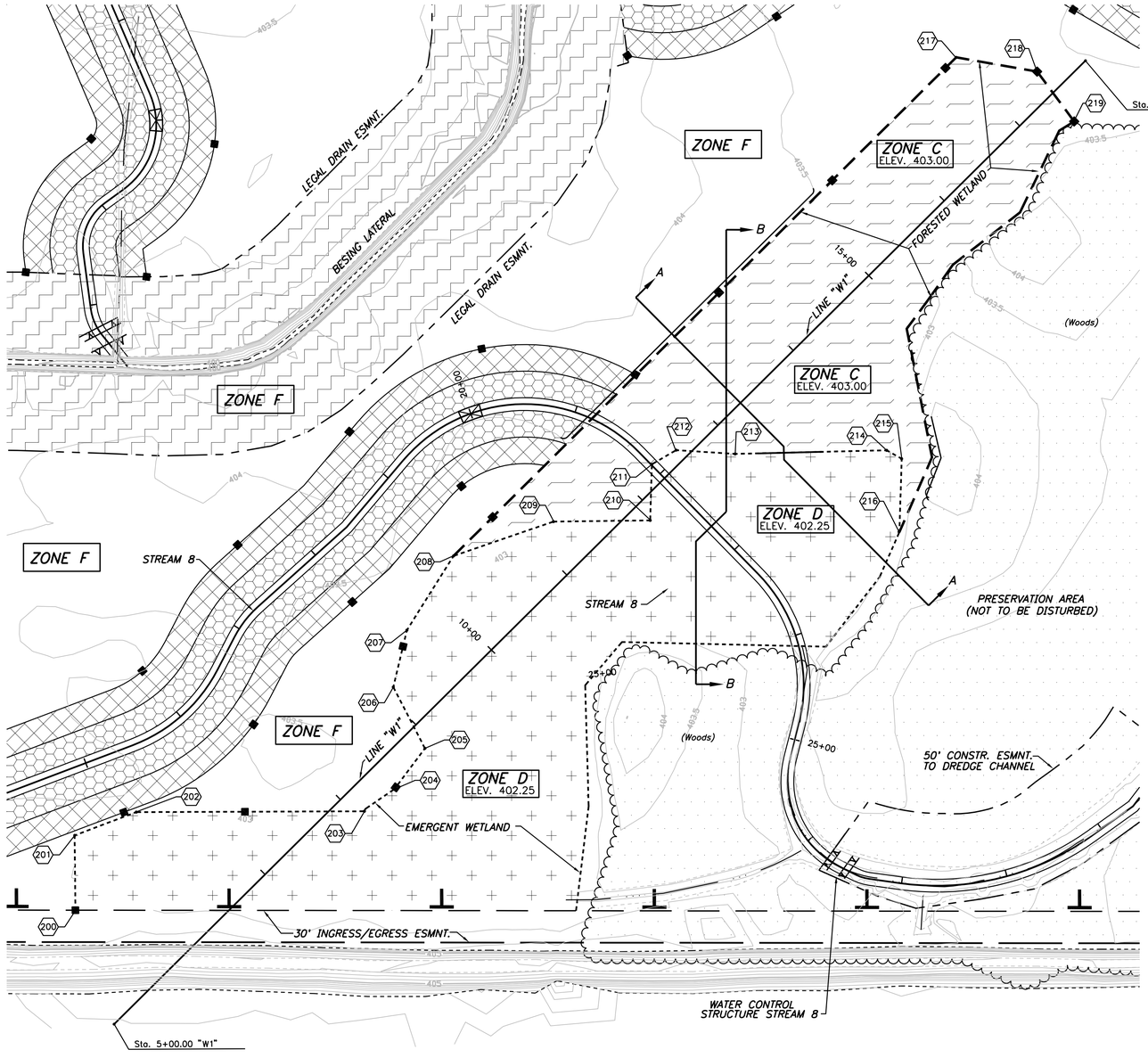
DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

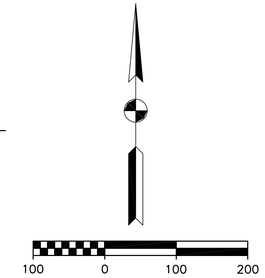
INDIANA DEPARTMENT OF TRANSPORTATION

NW QUAD SITE PLAN
STREAMS 9 – 11

HORIZONTAL SCALE	BRIDGE FILE
1"=100'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	6 of 36
CONTRACT	PROJECT
IR–29023	CN 0710405

S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\nw_quad_siteplan.dwg 12/11/07 13:38 rap



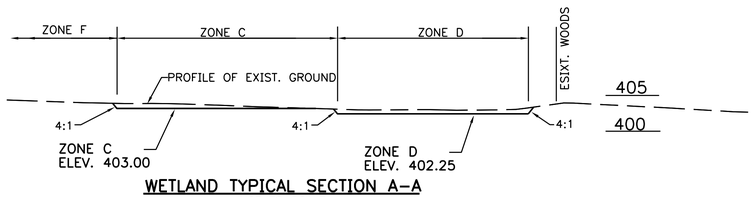


WETLAND CONTROL POINTS			
NODE ID	NORTHING	EASTING	DESCRIPTION
200	1081248.18	2838345.75	WETLAND
201	1081318.54	2838344.98	WETLAND
202	1081340.44	2838402.90	WETLAND
203	1081341.24	2838617.53	WETLAND
204	1081362.27	2838645.98	WETLAND
205	1081400.46	2838674.49	WETLAND
206	1081458.05	2838644.76	WETLAND
207	1081511.70	2838657.55	WETLAND
208	1081581.48	2838701.38	WETLAND
209	1081613.78	2838795.34	WETLAND
210	1081614.92	2838886.43	WETLAND
211	1081667.70	2838887.99	WETLAND
212	1081681.02	2838910.88	WETLAND
213	1081677.50	2838966.34	WETLAND
214	1081680.89	2839108.86	WETLAND
215	1081672.92	2839122.96	WETLAND
216	1081603.92	2839120.82	WETLAND
217	1082050.60	2839174.26	WETLAND
218	1082037.21	2839250.37	WETLAND
219	1081990.26	2839285.20	WETLAND

WETLAND EARTHWORK SUMMARY	
FORESTED / EMERGENT	3814 CYS

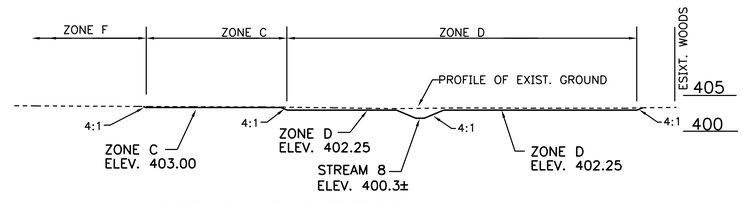
LEGEND

- DENOTES ZONE "A"
- DENOTES ZONE "B"
- DENOTES ZONE "E"
- DENOTES EMERGENT WETLAND, ZONE "D"
- DENOTES FORESTED WETLAND, ZONE "C"
- DO NOT MOW SIGN (200' SPACING)
- 4"X4" WOOD DELINEATOR POST (150' SPACING)



WETLAND TYPICAL SECTION A–A

NOT TO SCALE



WETLAND TYPICAL SECTION B–B

NOT TO SCALE

ZONE LEGEND

ZONE A – WOODED RIPARIAN AREA (FROM END OF ZONE G BACK 25')
ZONE B – WOODED RIPARIAN AREA (FROM END OF ZONE A BACK 25')
ZONE C – FORESTED WETLAND AREA
ZONE D – EMERGENT WETLAND AREA
ZONE E – HERBACEOUS RIPARIAN FILTER AREA (WITHIN REGULATED DRAINAGE EASEMENTS)
ZONE F – UPLAND FOREST MITIGATION
ZONE G – DITCH BOTTOM MITIGATION AREA

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

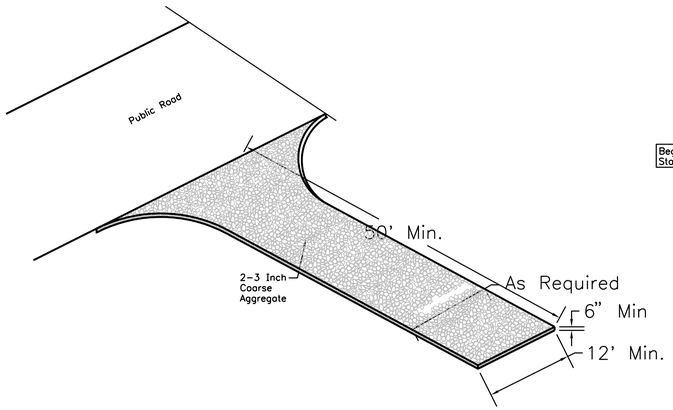
DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

WETLAND LAYOUT DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=60'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	7 of 36
CONTRACT	PROJECT
IR–29023	CN 0710405

S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\wetland_detail.dwg 12/11/07 13:38 rap



TEMPORARY CONSTRUCTION ENTRANCE
[TO BE PLACED AT ALL ACCESS POINTS ON PUBLIC ROADS]

INSTALLATION

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDES 2%, CONSTRUCT A 6-8 INCH HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD (PRACTICE 3.24)
4. INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
5. IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.
6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINGAE
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN

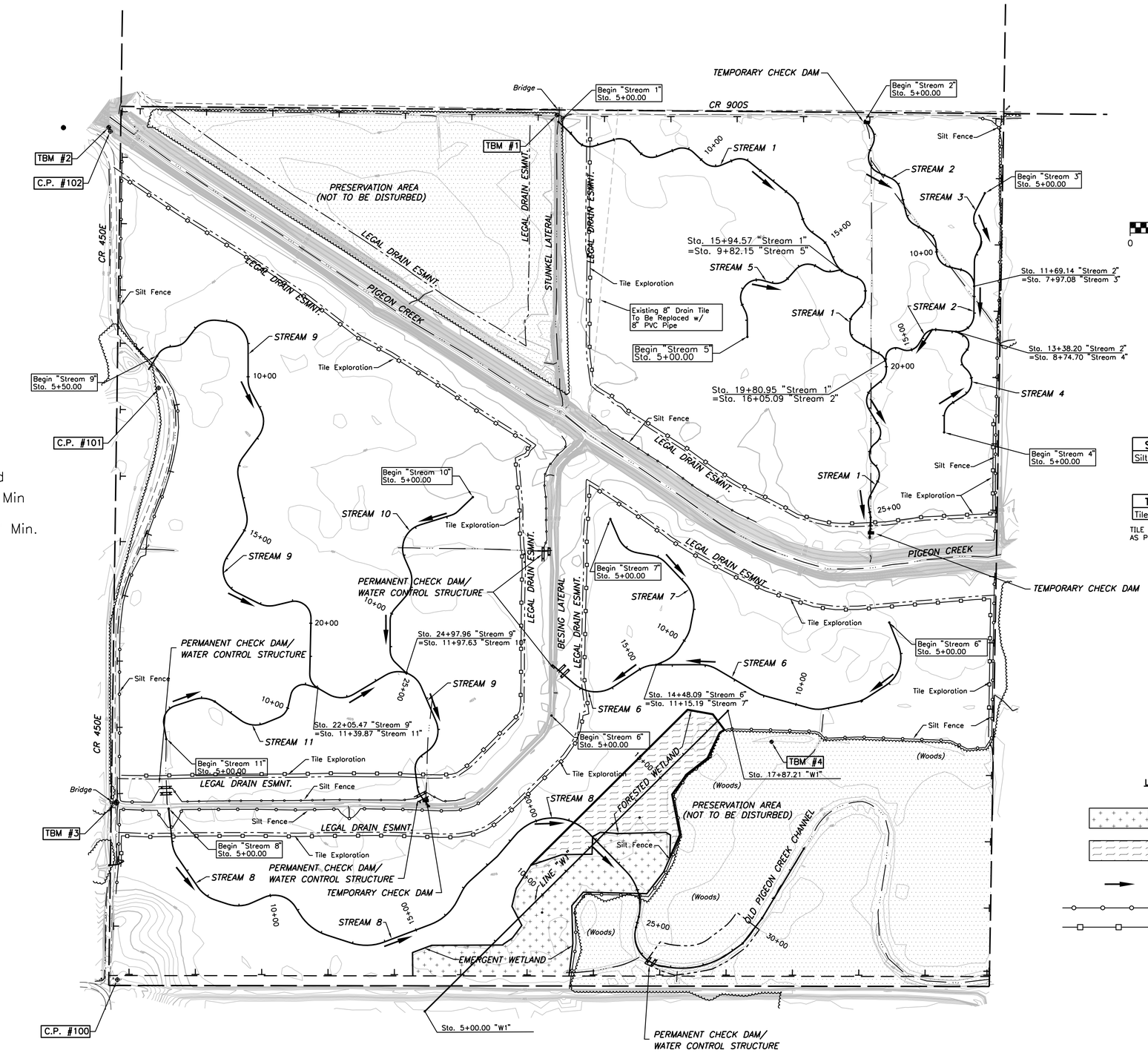
MAINTENANCE

- INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOPDRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
- REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

NOTE:

1.) EROSION CONTROL MEASURES TO BE IMPLEMENTED PRIOR TO ANY OTHER LAND DISTURBING ACTIVITIES ON THE SITE.

2.) NO EQUIPMENT SHALL CROSS AND NO EXCAVATION SHALL OCCUR WITHIN THE CHANNELS OF PIGEON CREEK, BESING LATERAL, AND STUNKEL LATERAL. THE ONLY EXCEPTION SHALL BE FOR THE EXCAVATION REQUIRED ON THE NORTH SIDE OF THE PIGEON CREEK CHANNEL NECESSARY FOR THE REMOVAL AND REPLACEMENT OF THE EXISTING DRAINAGE TILE, AS OUTLINED ABOVE. TO PREVENT THE CROSSING OF CHANNELS, A MINIMUM OF THREE (3) TEMPORARY CONSTRUCTION ENTRANCES SHALL BE ESTABLISHED, ONE (1) OFF OF CR 900 S TO ACCESS THE NE QUAD AND TWO (2) OFF OF CR 450 E TO ACCESS THE NW QUAD AND THE SOUTH SITE. TEMPORARY CONSTRUCTION ENTRANCES ARE TO BE CONSTRUCTED AS SHOWN ON THE PLANS AT ANY ACCESS POINT ONTO A PUBLIC ROAD. ANY ADDITIONAL ENTRANCES BEYOND THESE DESCRIBED ABOVE SHALL ALSO BE CONSTRUCTED AS SHOWN ON THE PLANS.



SILT FENCE REQUIRED	
Silt Fence	9334 LF

TILE EXPLORATION	
Tile Exploration	10150 LF

TILE EXPLORATION SHALL BE PERFORMED AS PER SPECIAL PROVISIONS.

LEGEND

- DENOTES EMERGENT WETLAND
- DENOTES FORESTED WETLAND
- STREAM FLOW DIRECTION
- SILT FENCE
- TILE EXPLORATION

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL / TILE EXPLORATION LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=150'	
VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	8 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

S:\Surveys\103-0001\2007 WETLAND TOPO\DWGS\EROSION_TRENCHING.dwg 12/11/07 13:38 rap

STREAM 1 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
400	1083823.82	2838784.95	P.O.T. 5+00.00
403	1083798.58	2838879.01	R.P. (50'R).
404	1083740.65	2838862.39	P.I. 6+13.82
407	1083722.79	2838969.60	R.P. (50'R)
408	1083780.12	2838984.37	P.I. 7+33.96
411	1083766.41	2839065.81	R.P. (50'R)
412	1083707.68	2839052.35	P.I. 8+26.41
415	1083694.79	2839158.26	R.P. (50'R)
416	1083752.74	2839169.68	P.I. 9+44.05
419	1083739.28	2839256.85	R.P. (50'R)
420	1083680.46	2839246.36	P.I. 10+42.68
423	1083662.45	2839331.65	R.P. (50'R)
424	1083720.28	2839339.83	P.I. 11+36.79
427	1083543.25	2839438.39	R.P. (75'R)
428	1083587.60	2839502.69	P.I. 13+40.80
431	1083550.85	2839593.92	R.P. (75'R)
432	1083504.03	2839530.44	P.I. 14+27.69
435	1083411.22	2839531.33	R.P. (75'R)
436	1083460.67	2839591.13	P.I. 15+00.65
439	1083432.55	2839686.64	R.P. (75'R)
440	1083372.87	2839631.54	P.I. 15+96.41
443	1083316.06	2839670.31	R.P. (40'R)
444	1083344.00	2839710.31	P.I. 16+77.03
447	1083296.74	2839670.31	R.P.(40'R)
448	1083280.60	2839710.31	P.I. 17+33.33
451	1083216.26	2839703.82	R.P. (40'R)
452	1083232.41	2839663.82	P.I. 17+98.68
455	1083196.42	2839703.82	R.P.(40'R)
456	1083172.81	2839663.82	P.I. 18+56.68
459	1083088.73	2839733.37	R.P. (40'R)
460	1083112.38	2839773.28	P.I. 19+77.15
463	1083074.22	2839733.42	R.P. (40'R)
464	1083055.36	2839773.49	P.I. 20+29.66
467	1082982.96	2839764.07	R.P. (50'R)
468	1082994.50	2839699.32	P.I. 21+23.08
471	1082886.26	2839716.48	R.P. (40'R)
472	1082875.35	2839769.27	P.I. 22+46.49
475	1082820.81	2839762.52	R.P. (40'R)
476	1082823.44	2839698.45	P.I. 23+20.81
479	1082758.42	2839712.36	R.P. (40'R)
480	1082767.75	2839762.64	P.I. 23+77.33
483	1082673.76	2839769.25	R.P. (50'R)
484	1082681.88	2839716.92	P.I. 24+64.69
486	1082630.91	2839726.27	P.I. 25+15.20
487	1082590.58	2839724.53	P.I. 25+55.59

STREAM 2 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
490	1083827.32	2839709.61	P.O.T. 5+00.00
492	1083775.40	2839687.07	R.P. (50'R)
493	1083781.90	2839745.86	P.I. 5+58.11
496	1083716.53	2839769.63	R.P. (50'R)
497	1083692.30	2839702.20	P.I. 6+50.95
500	1083607.66	2839767.39	R.P. (50'R)
501	1083643.09	2839810.24	P.I. 7+46.87
504	1083557.58	2839882.46	R.P. (50'R)
505	1083524.76	2839838.97	P.I. 8+65.27
508	1083447.72	2839873.46	R.P. (50'R)
509	1083478.05	2839921.34	P.I. (9+57.53
512	1083434.59	2839974.72	R.P. (50'R)
513	1083394.35	2839927.58	P.I. 10+37.11
516	1083328.57	2839988.58	R.P. (50'R)
517	1083368.01	2840039.07	P.I. 11+41.65
520	1083240.88	2839987.50	R.P. (50'R)
521	1083185.70	2840036.82	P.I. 13+11.39
524	1083157.17	2839920.11	R.P. (40'R)
525	1083199.48	2839899.00	P.I. 14+23.67
528	1083174.08	2839836.79	R.P. (40'R)
529	1083124.86	2839853.70	P.I. 15+05.52
532	1083112.37	2839802.10	R.P. (30'R)
533	1083153.62	2839777.99	P.I. 15+75.47
535	1083103.70	2839770.46	P.O.T. 16+05.09

STREAM 3 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
540	1083608.70	2840070.75	P.O.T. 5+00.00
542	1083530.73	2840087.08	R.P. (50'R)
543	1083528.74	2840029.93	P.I. 5+89.78
546	1083465.89	2840009.39	R.P. (50'R)
547	1083468.60	2840066.11	P.I. 6+55.12
550	1083400.75	2840089.09	R.P. (50'R)
551	1083412.26	2840039.17	P.I. 7+13.13
518	1083327.95	2840038.58	P.O.T. 7+97.08

STREAM 4 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
555	1082887.40	2839948.01	P.O.T. 5+00.00
557	1082932.64	2839998.01	R.P. (50'R)
558	1082959.72	2839948.01	P.I. 5+72.32
561	1083040.93	2839980.99	R.P. (50'R)
562	1083033.42	2840060.99	P.I. 7+02.69
565	1083104.79	2840029.98	R.P. (30'R)
566	1083102.60	2839988.95	P.I. 7+66.68
569	1083153.00	2839992.12	R.P. (30'R)
570	1083162.37	2840039.19	P.I. 8+33.74
572	1083191.00	2839984.04	P.O.T. 8+74.70

STREAM 5 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
575	1083175.21	2839354.67	P.O.T. 5+00.00
577	1083228.63	2839304.19	R.P. (50'R)
578	1083240.06	2839354.09	P.I. 5+64.86
581	1083293.69	2839384.05	R.P. (50'R)
582	1083298.79	2839326.33	P.I. 6+29.47
585	1083297.47	2839386.73	R.P. (50'R)
586	1083355.07	2839366.33	P.I. 6+92.94
589	1083386.29	2839440.48	R.P. (50'R)
590	1083329.79	2839456.95	P.I. 7+78.00
593	1083344.59	2839537.43	R.P. (50'R)
594	1083408.91	2839527.97	P.I. 8+77.79
597	1083421.45	2839603.48	R.P. (50'R)
598	1083368.12	2839594.91	P.I. 9+42.42
600	1083377.58	2839635.62	P.O.T. 9+82.15

STREAM 6 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
605	1082313.74	2839782.61	P.O.T. 5+00.00
607	1082207.54	2839717.26	R.P. (100'R)
608	1082168.05	2839840.63	P.I. 6+56.81
611	1082171.62	2839661.51	R.P. (100'R)
612	1082077.52	2839700.08	P.I. 7+97.09
615	1082152.06	2839567.85	R.P. (100'R)
616	1082049.23	2839564.62	P.I. 9+35.07
619	1082189.27	2839432.77	R.P. (100'R)
620	1082096.36	2839393.54	P.I. 11+11.60
623	1082086.77	2839212.12	R.P. (100'R)
624	1082186.91	2839239.03	P.I. 12+90.55
627	1082086.09	2839079.90	R.P. (100'R)
628	1082185.93	2839049.32	P.I. 14+78.95
631	1082204.73	2838897.49	R.P. (100'R)
632	1082079.02	2838889.37	P.I. 16+69.61
634	1082186.96	2838765.85	P.O.T. 18+11.18

STREAM 7 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
640	1082625.68	2838941.65	P.O.T. 5+00.00
642	1082597.90	2839035.50	R.P. (75'R)
643	1082530.86	2838982.85	P.I. 6+03.38
646	1082442.48	2839054.12	R.P. (75'R)
647	1082512.15	2839091.49	P.I. (7+06.89
650	1082364.60	2839093.25	R.P. (100'R)
651	1082396.13	2839201.00	P.I. 8+64.69
654	1082320.65	2839084.93	R.P. (100'R)
655	1082282.80	2839179.54	P.I. 9+72.34
658	1082288.85	2839064.37	R.P. (100'R)
659	1082209.56	2839132.19	P.I. 10+59.07
626	1082186.08	2839079.38	P.O.T. 11+15.19

STREAM 8 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
665	1081752.54	2837609.77	P.O.T. 5+00.00
667	1081660.98	2837719.72	R.P. (100'R)
668	1081625.38	2837622.85	P.I. 6+27.83
671	1081572.49	2837780.50	R.P.(100'R)
672	1081488.14	2837717.11	P.I. 7+93.26
675	1081559.59	2837819.43	R.P. (100'R)
676	1081452.46	2837824.80	P.I. 9+04.33
679	1081416.52	2837928.21	R.P. (75'R)
680	1081511.60	2837957.14	P.I. 10+45.71
683	1081513.72	2838132.83	R.P. (150'R)
684	1081387.71	2838034.78	P.I. 11+68.85
687	1081490.31	2838205.52	R.P. (150'R)
688	1081331.44	2838209.50	P.I. 13+47.91
691	1081543.56	2838346.30	R.P. (150'R)
692	1081423.56	2838453.05	P.I. 16+04.31
695	1081459.22	2838584.17	R.P. (100'R)
696	1081521.44	2838503.79	P.I. 17+09.40
698	1081608.57	2838600.85	P.I. 18+39.43
700	1081574.38	2838768.46	R.P. (150'R)
701	1081797.06	2838760.49	P.I. 20+86.44
704	1081459.53	2838880.79	R.P. (150'R)
705	1081503.95	2839047.16	P.I. 24+16.58
707	1081394.16	2839018.84	P.O.T. 25+14.84
709	1081369.31	2839105.42	R.P. (90'R)
710	1081320.56	2839000.93	P.I. 25+90.59
713	1081317.25	2839097.91	R.P. (40'R)
714	1081278.52	2839085.99	P.I. 26+62.86
717	1081521.21	2839155.89	R.P. (250'R)
718	1081259.82	2839220.38	P.I. 27+98.43
720	1081345.98	2839340.54	P.I. 29+36.57
721	1081422.53	2839399.28	P.I. 30+33.06

STREAM 9 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
725	1083075.71	2837548.51	P.O.T. 5+00.00
727	1083095.56	2837620.08	R.P. (50'R)
728	1083142.56	2837590.58	P.I. 5+78.98
731	1083196.67	2837624.34	R.P. (50'R)
732	1083149.36	2837651.07	P.I. 6+36.58
735	1083150.51	2837746.47	R.P. (75'R)
736	1083230.22	2837713.10	P.I. 7+36.17
739	1083147.05	2837774.36	R.P. (75'R)
740	1083213.33	2837849.42	P.I. 8+65.66
743	1083045.67	2837924.26	R.P. (75'R)
744	1083026.81	2837849.25	P.I. (10+28.13
747	1082921.20	2837820.91	R.P. (75'R)
748	1082914.87	2837909.49	P.I. 11+54.47
751	1082766.58	2837893.15	R.P. (75'R)
752	1082783.48	2837812.39	P.I. 13.07.49
755	1082625.76	2837771.36	R.P. (75'R)
756	1082611.08	2837851.62	P.I. 14+80.01
759	1082471.51	2837849.05	R.P. (75'R)
760	1082442.46	2837739.79	P.I. 16+78.79
763	1082438.67	2837914.44	R.P. (75'R)
764	1082359.28	2837905.38	P.I. 18+21.73
767	1082328.10	2837988.81	R.P. (50'R)
768	1082392.06	2838040.25	P.I. 19+58.23
771	1082158.81	2838085.06	R.P. (50'R)
772	1082130.20	2838034.40	P.I. 21+81.56
775	1082162.14	2838129.55	R.P. (75'R)
776	1082075.25	2838130.36	P.I. 22+86.31
779	1082090.62	2838302.24	R.P. (75'R)
780	1082198.98	2838337.32	P.I. 25+19.07
783	1081986.94	2838346.78	R.P. (75'R)
784	1081961.56	2838439.31	P.I. 27+33.84
787	1081873.05	2838402.74	R.P. (50'R)
788	1081895.91	2838349.21	P.I. 28+26.66
791	1081820.73	2838409.79	R.P. (50'R)
792	1081800.25	2838362.09	P.I. 29+17.33
794	1081759.74	2838394.67	P.I. 29+68.62

STREAM 10 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
800	1082692.04	2838526.81	P.O.T. 5+00.00
802	1082685.42	2838447.46	R.P. (50'R)
803	1082641.15	2838473.50	P.I. 5+73.70
806	1082536.71	2838390.17	R.P. (75'R)
807	1082583.44	2838287.84	P.I. 7+67.71
810	1082441.88	2838267.95	R.P. (75'R)
811	1082428.17	2838355.83	P.I. 8+95.67
814	1082320.52	2838327.62	R.P. (50'R)
815	1082339.40	2838277.62	P.I. 10+03.48
818	1082229.35	2838327.62	R.P. (50'R)
819	1082208.01	2838277.62	P.I. 11+33.22
821	1082161.82	2838325.81	P.I. 11+97.63

STREAM 11 ALIGNMENT POINTS

POINT	NORTHING	EASTING	DESCRIPTION
825	1081962.00	2837602.54	P.O.T. 5+00.00
827	1082015.12	2837644.50	R.P. (50'R)
828	1082049.33	2837588.22	P.I. 5+88.49
831	1082010.53	2837710.96	R.P. (75'R)
832	1082092.25	2837719.57	P.I. 7+11.81
835	1082079.56	2837871.34	R.P. (75'R)
836	1081994.55	2837861.13	P.I. 8+79.93
839	1082072.96	2837921.73	R.P. (50'R)
840	1082036.42	2837964.76	P.I. 9+84.60
843	1082086.84	2838017.09	R.P. (40'R)
844	1082137.79	2837987.54	P.I. 10+84.36
773	1082115.42	2838060.21	P.O.T. 11+39.87

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

DESIGNED: JAD | DRAWN: RAP

CHECKED: DJR | CHECKED: DJR

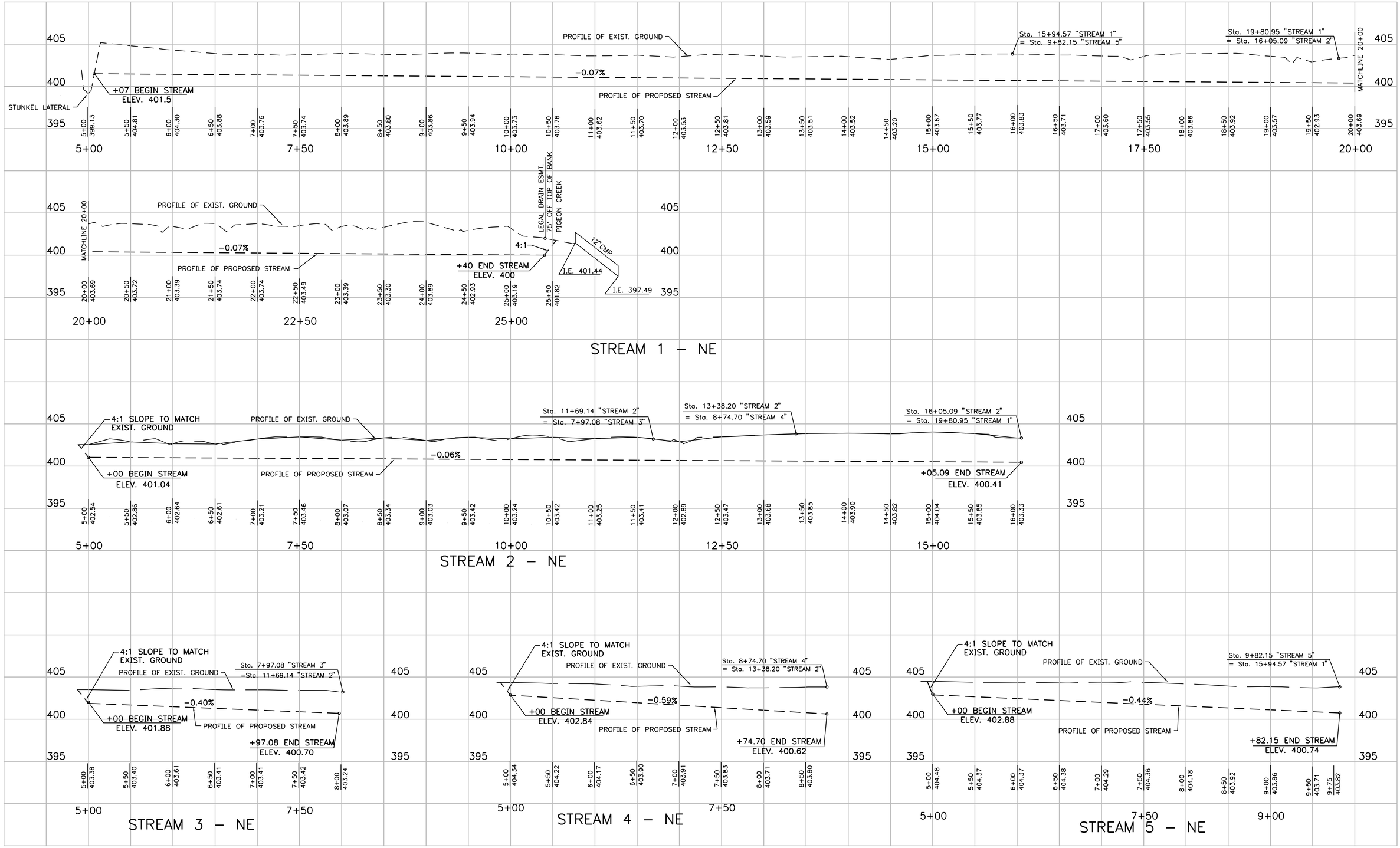
INDIANA DEPARTMENT OF TRANSPORTATION

STREAM ALIGNMENT TABLES

HORIZONTAL SCALE	BRIDGE FILE

VERTICAL SCALE	DESIGNATION
---	0710405
SURVEY BOOK	SHEETS
	9 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

S:\Surveys\103-00013\2007 WETLAND TOPO\DWGS\align_tables.dwg 12/11/07 09:59 rap



JASON A. DUPONT
REGISTERED
No. PE10303058
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

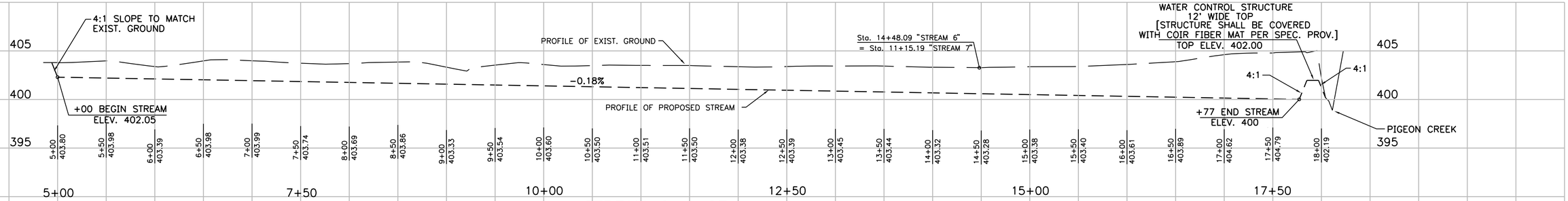
DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

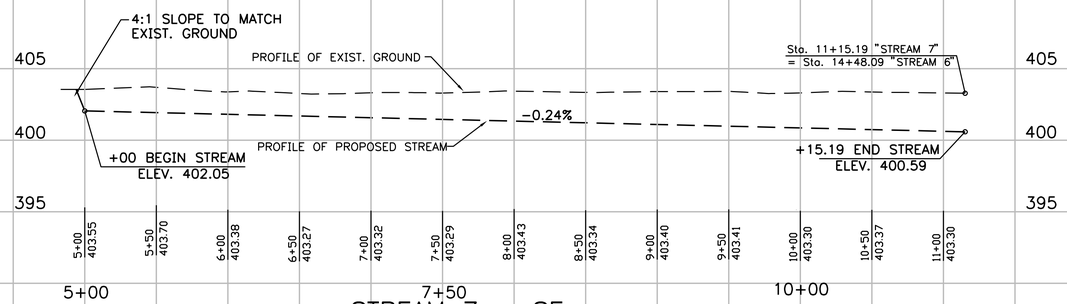
NE QUAD STREAM PROFILES
STREAM 1 – 5

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	10 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

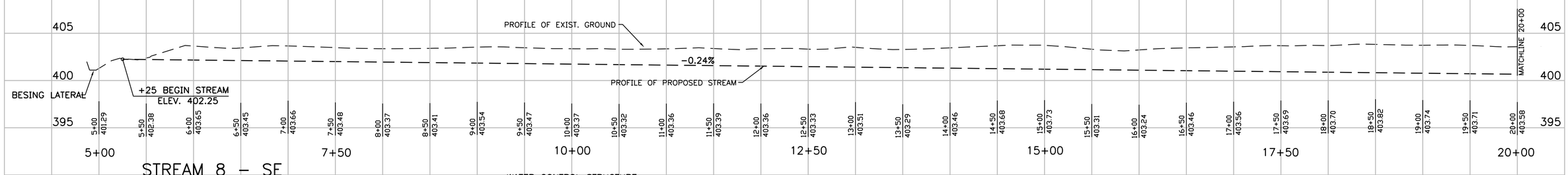
S:\Survproj\103-00011\2007 WETLAND TOPO\DWGS\STREAM1_NE.dwg 12/10/07 17:03 rap



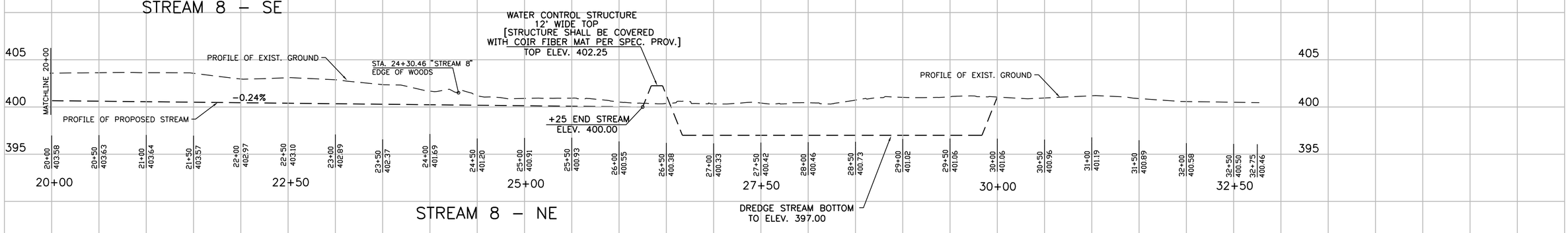
STREAM 6 – SE



STREAM 7 – SE



STREAM 8 – SE



STREAM 8 – NE

S:\Survproj\103-0001\2007 WETLAND TOPO\DWGS\STREAM6_8SOUTH.dwg 12/10/07 17:04 rap

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

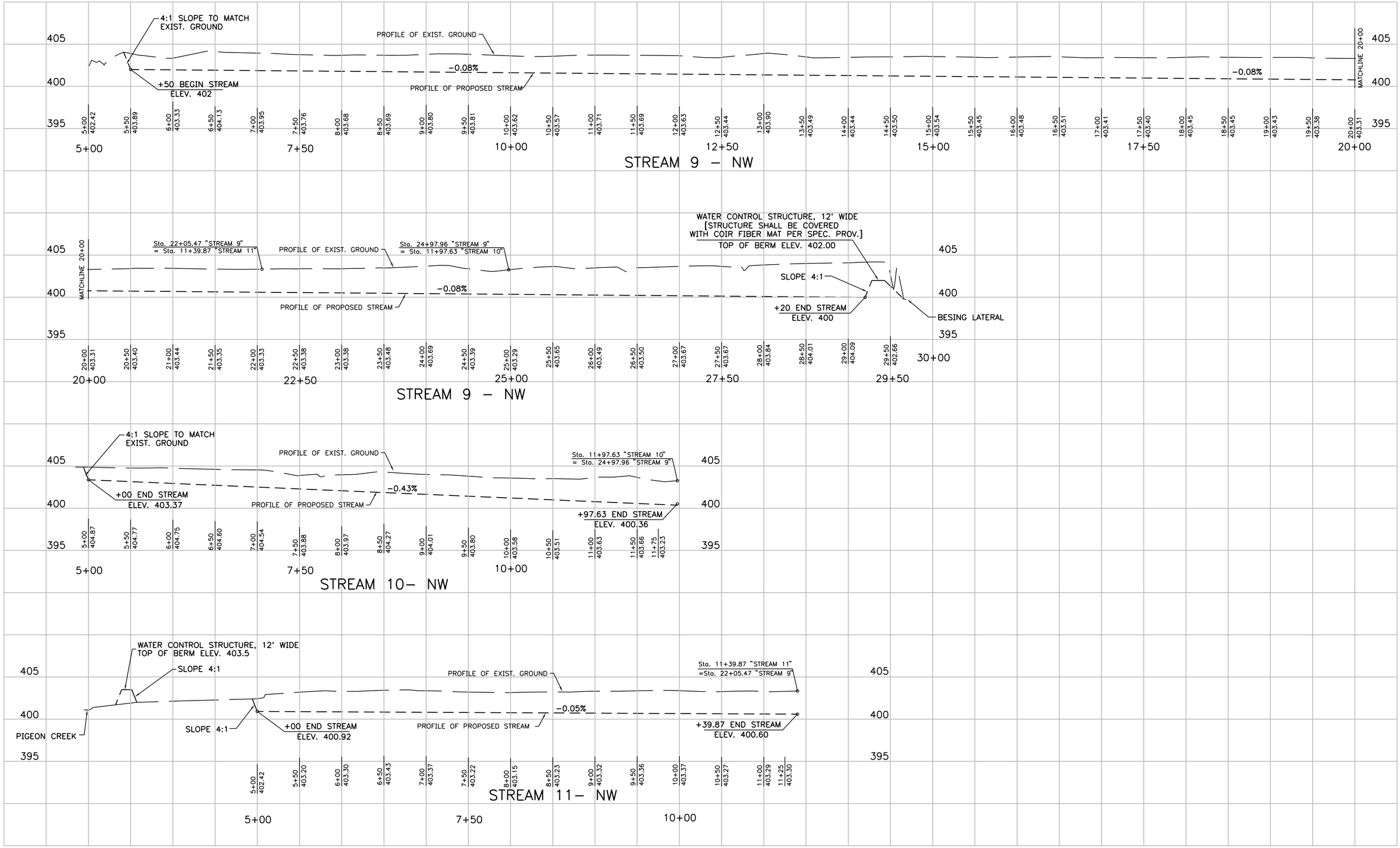
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 12/11/07

DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

SOUTH STREAM PROFILES
STREAM 6– 8

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	11 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



S:\Survpro\103-0001\2007 WETLAND TOPO\DWGS\STREAM9_11NW.dwg 12/10/07 17:03 rap

JASON A. DUPONT REGISTERED No. PE10303058 STATE OF INDIANA PROFESSIONAL ENGINEER

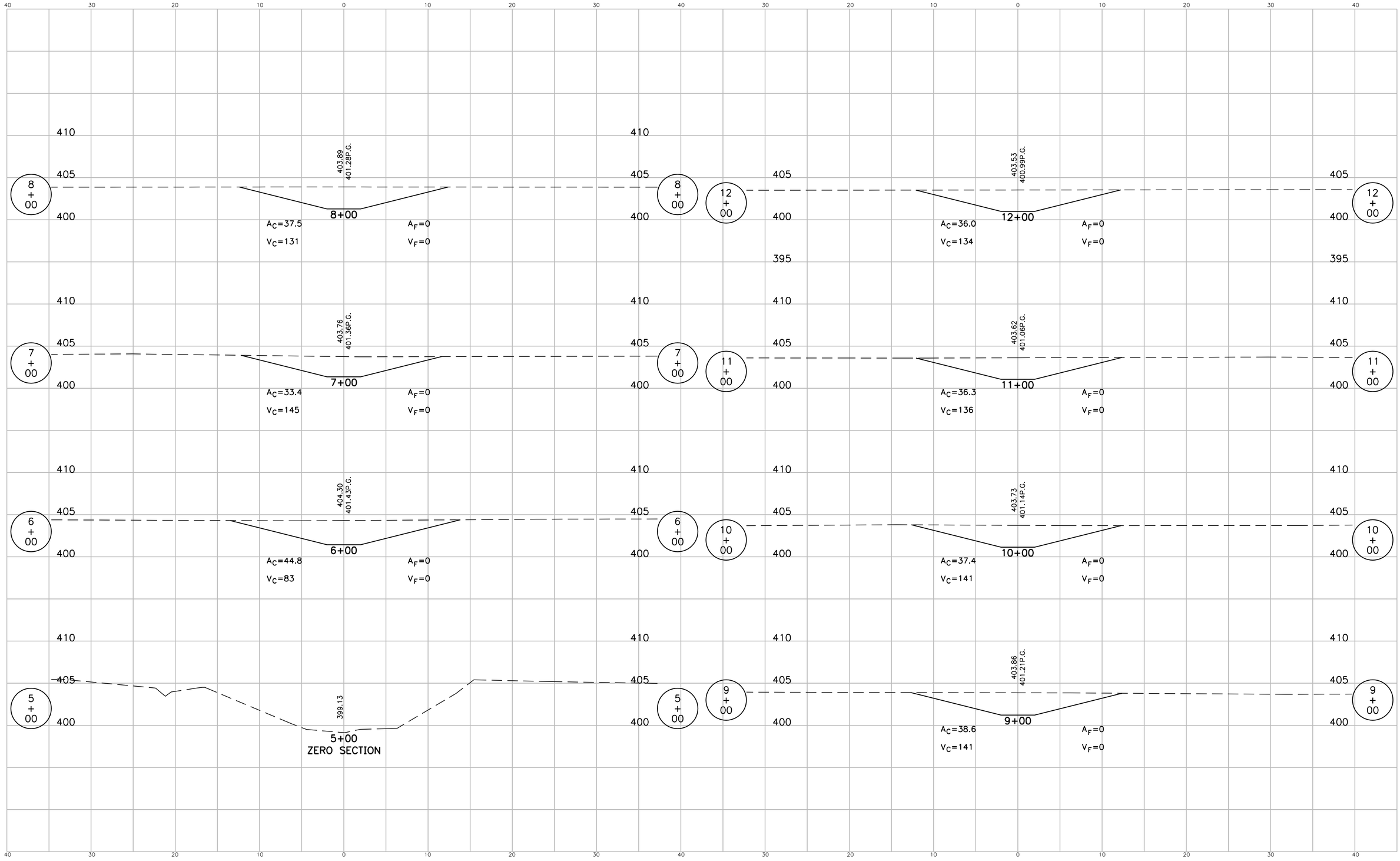
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 12/11/07 DATE

DESIGNED: JAD | DRAWN: RAP
CHECKED: DJR | CHECKED: DJR

INDIANA DEPARTMENT OF TRANSPORTATION

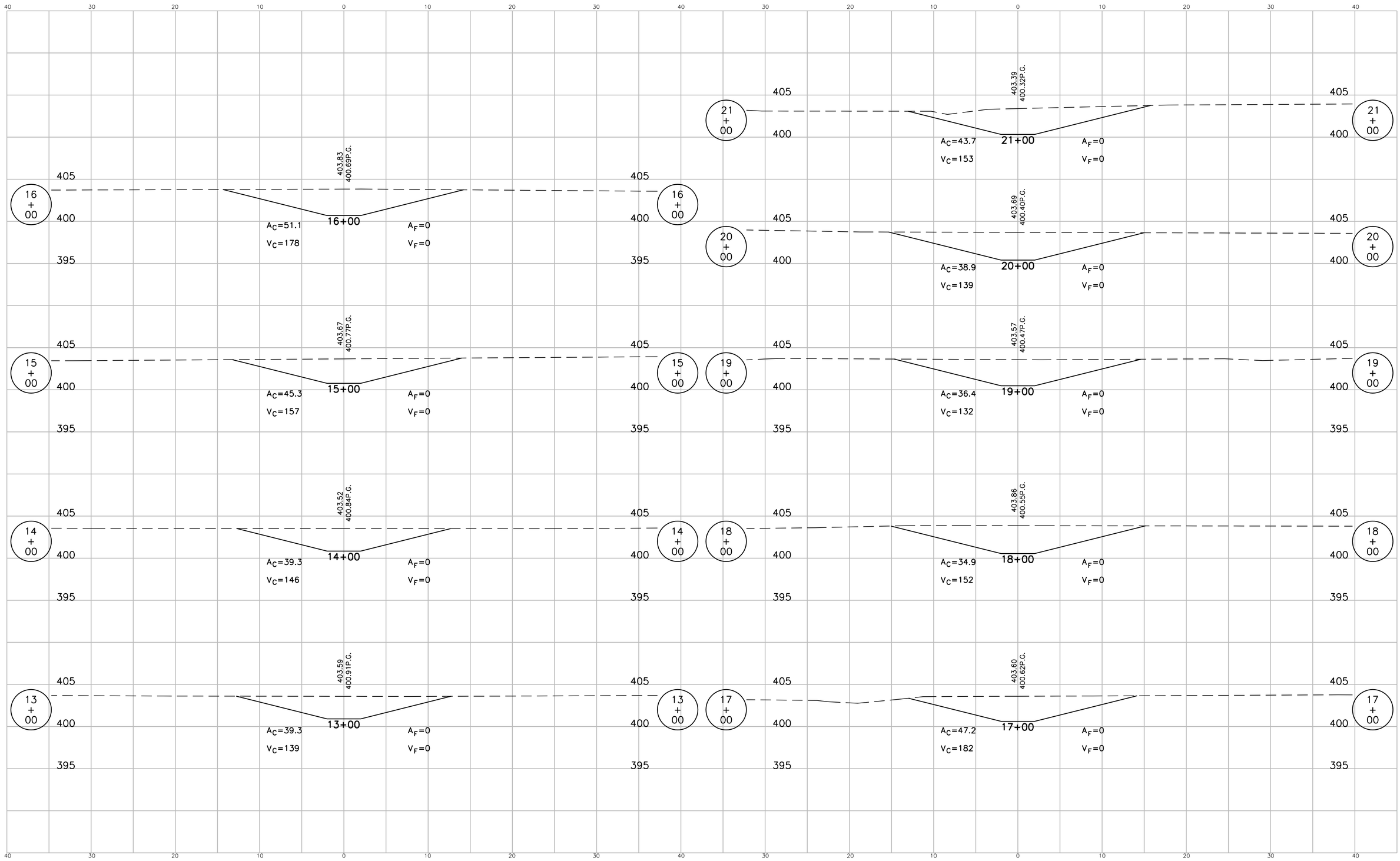
NW STREAM PROFILES
STREAM 9 - 11

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	12 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001001.dwg 10/23/07 14:16 brad

DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=10' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 1	VERTICAL SCALE 1"=10' / DESIGNATION 0710405
			SURVEY BOOK / 13 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



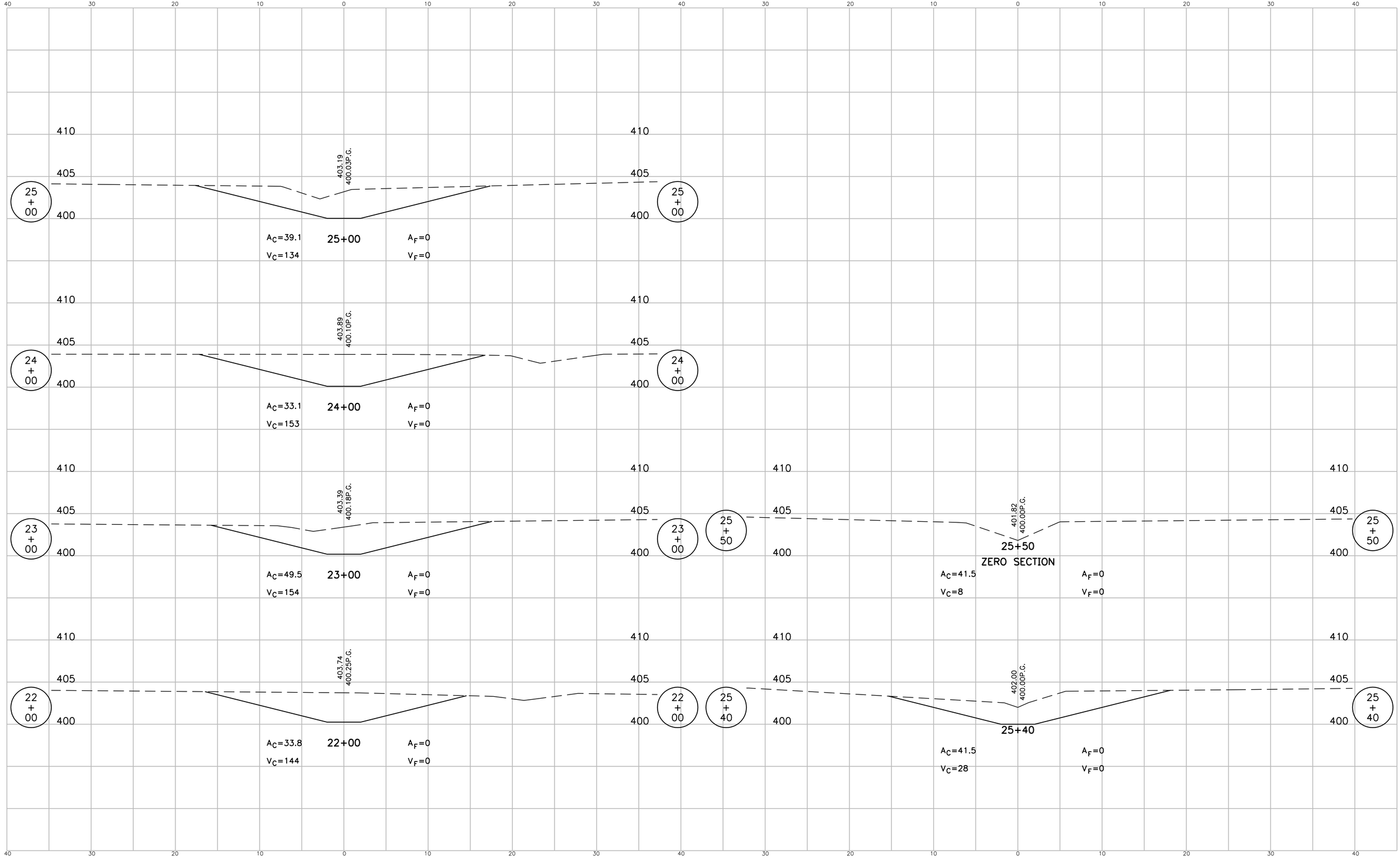
S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc002001.dwg 12/10/07 17:08 rap

INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STREAM 1

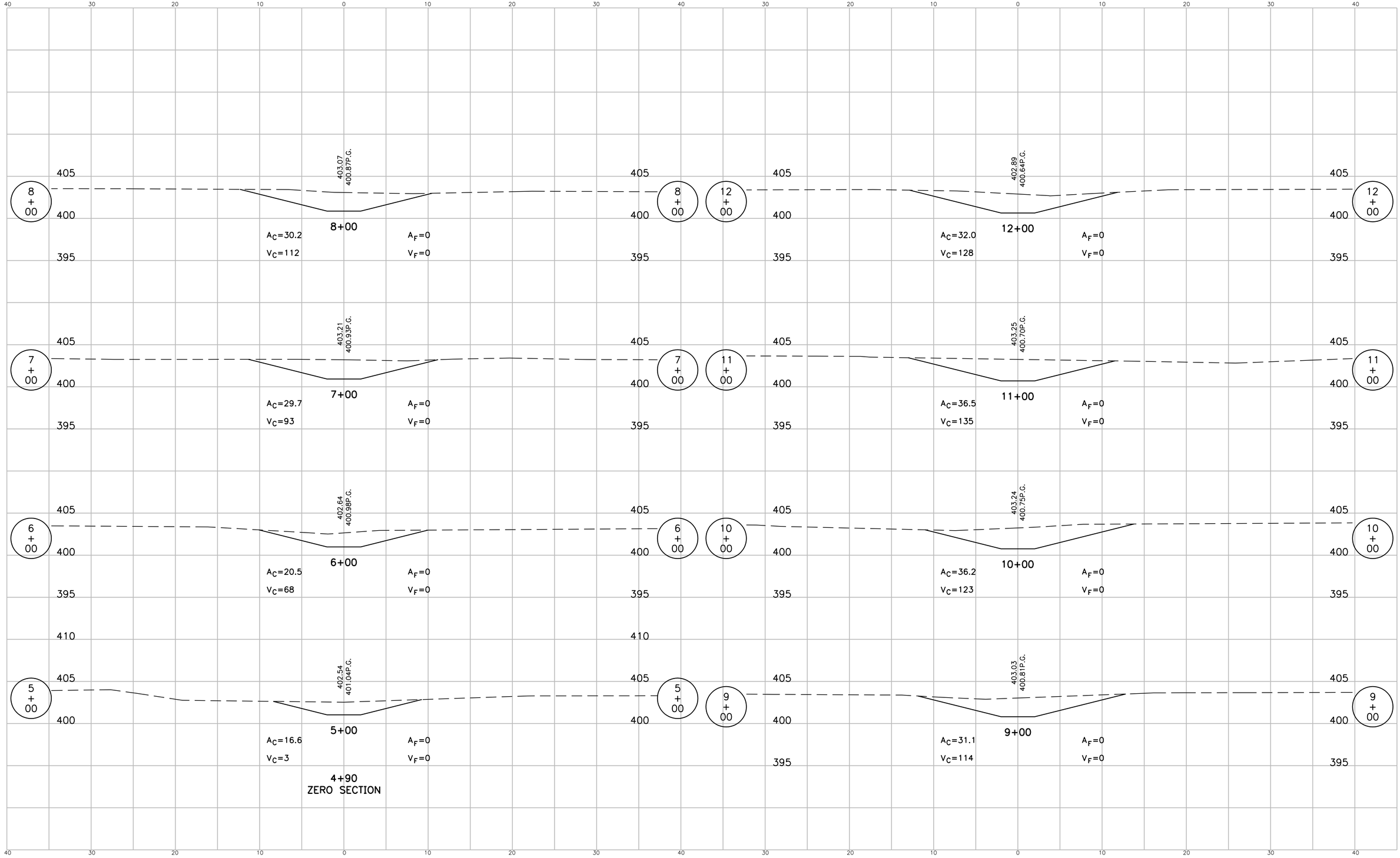
DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	14 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



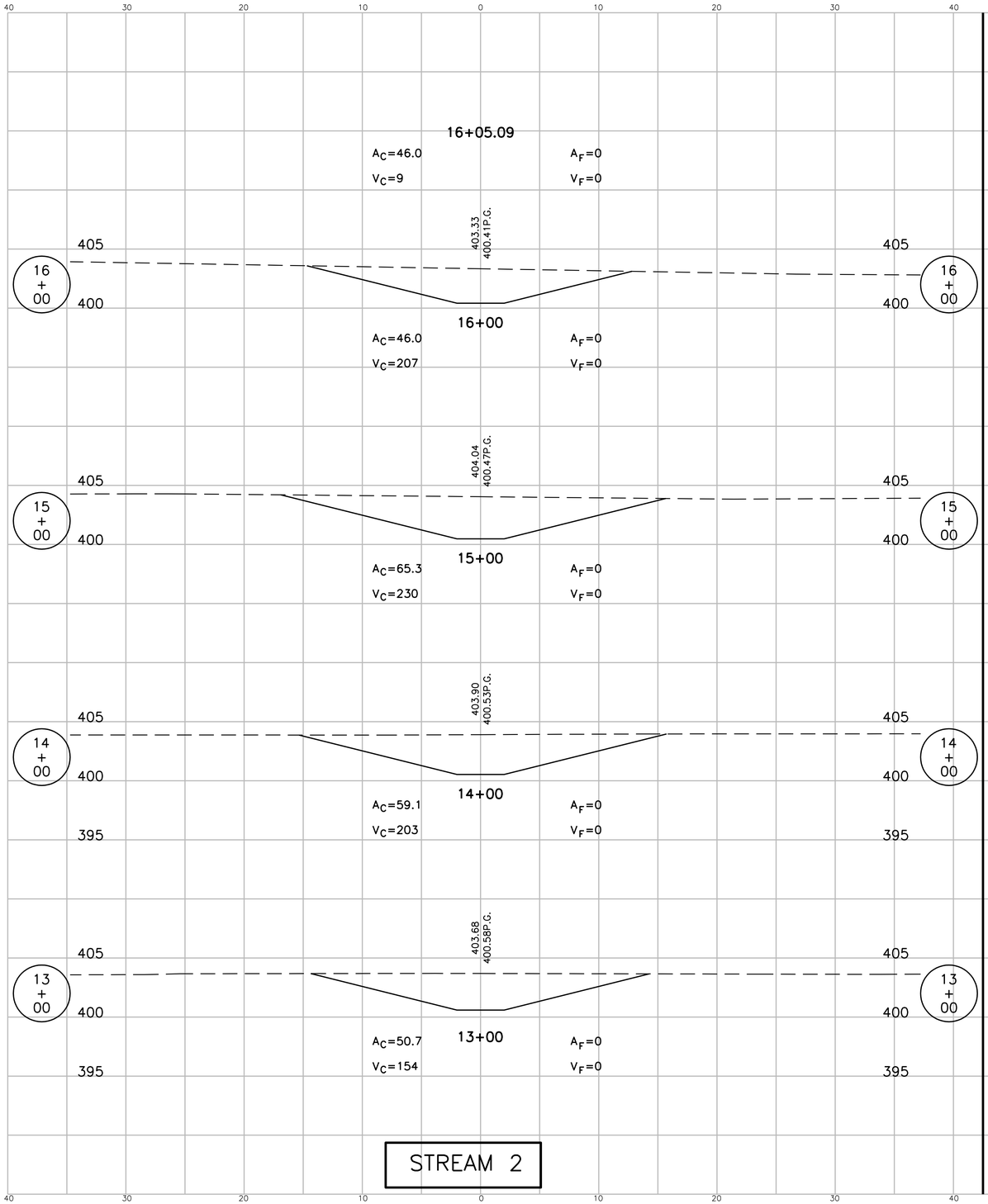
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc003001.dwg 12/10/07 17:08 rap

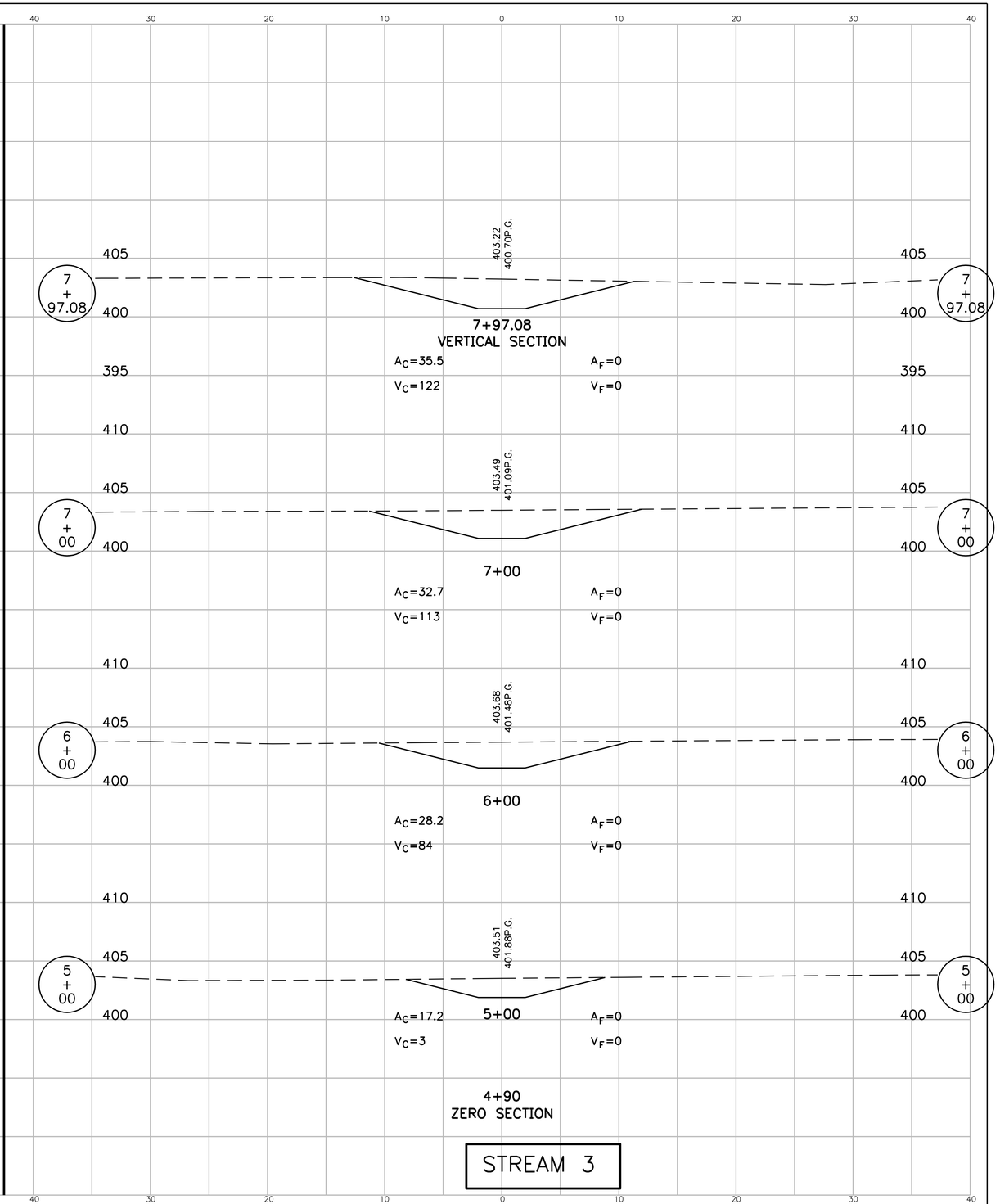
DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 1	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 15 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc001002.dwg 12/10/07 17:08 rap

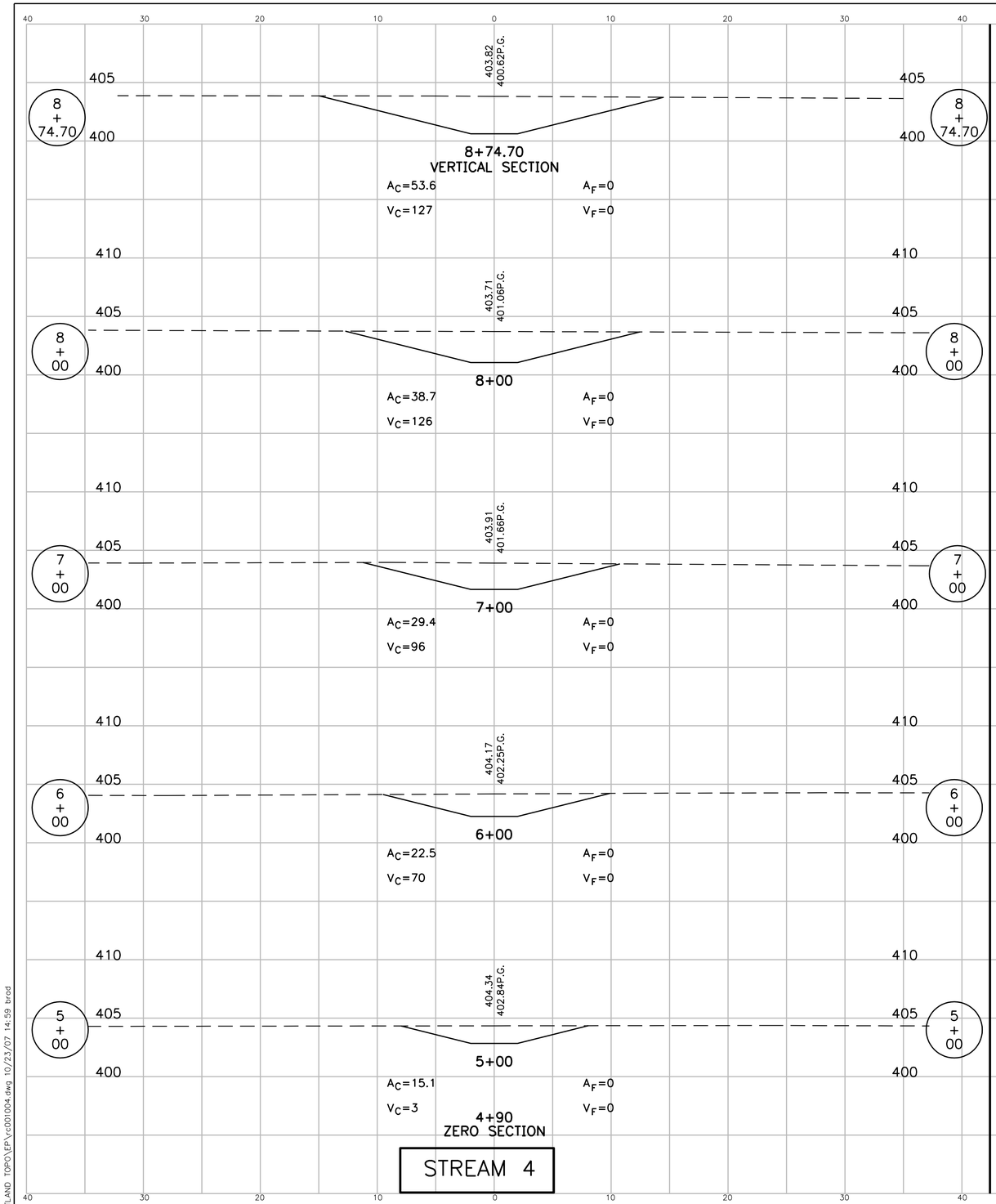
DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 2	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 16 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405

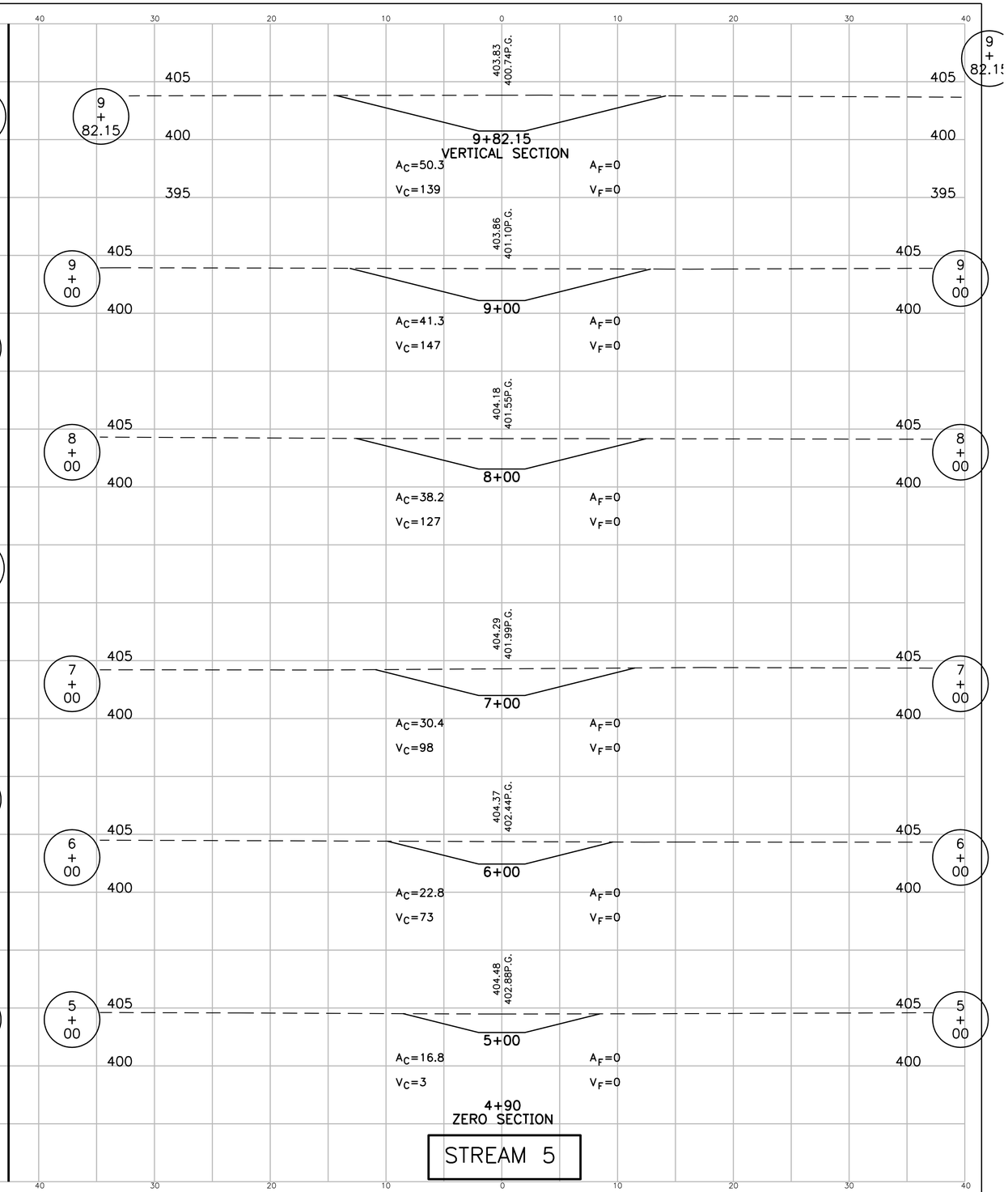




S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc002002.dwg 12/10/07 17:09 rap

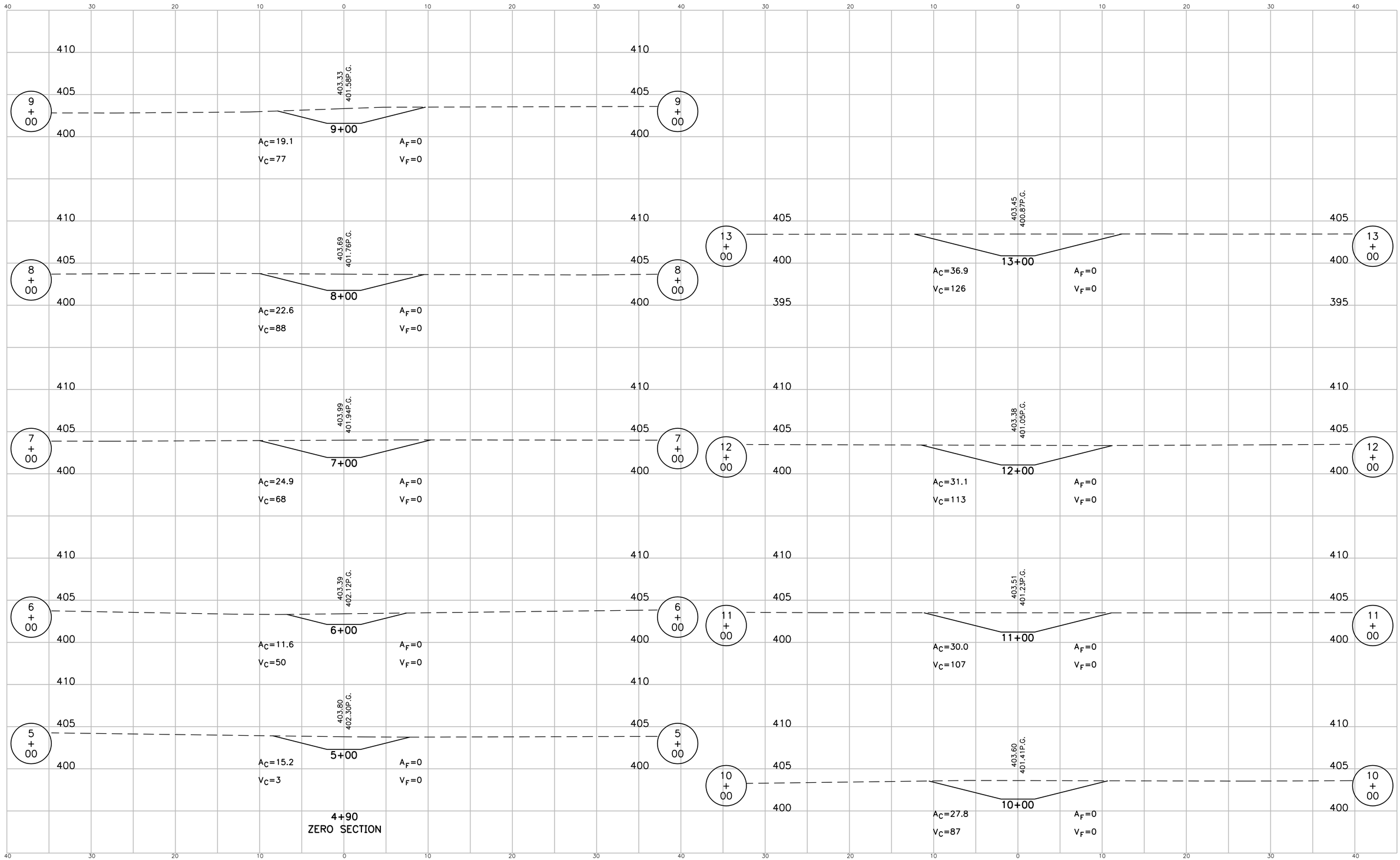
DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 2 / STREAM 3	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 17 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405





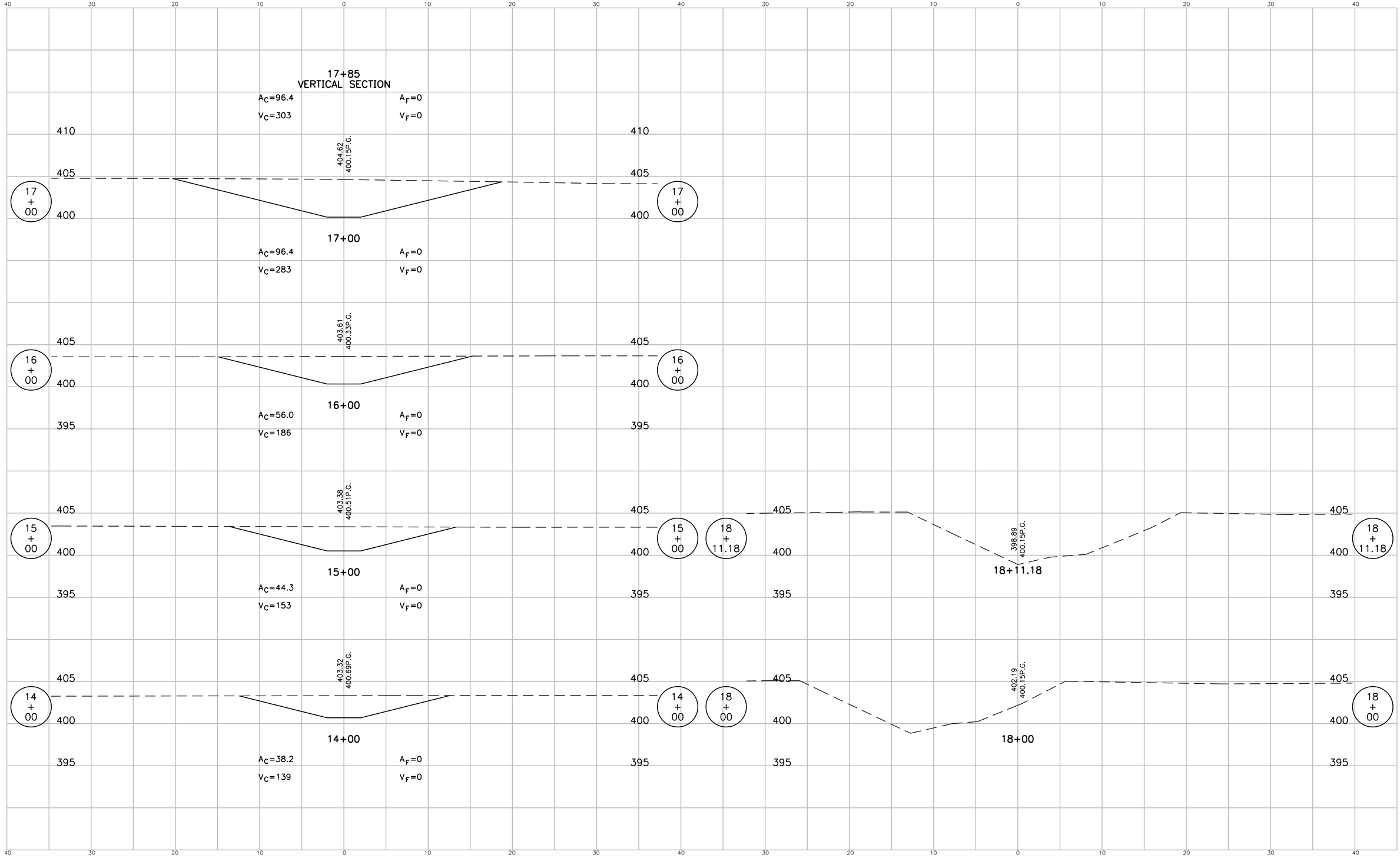
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001004.dwg 10/23/07 14:59 brad

DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 4 / STREAM 5	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 18 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



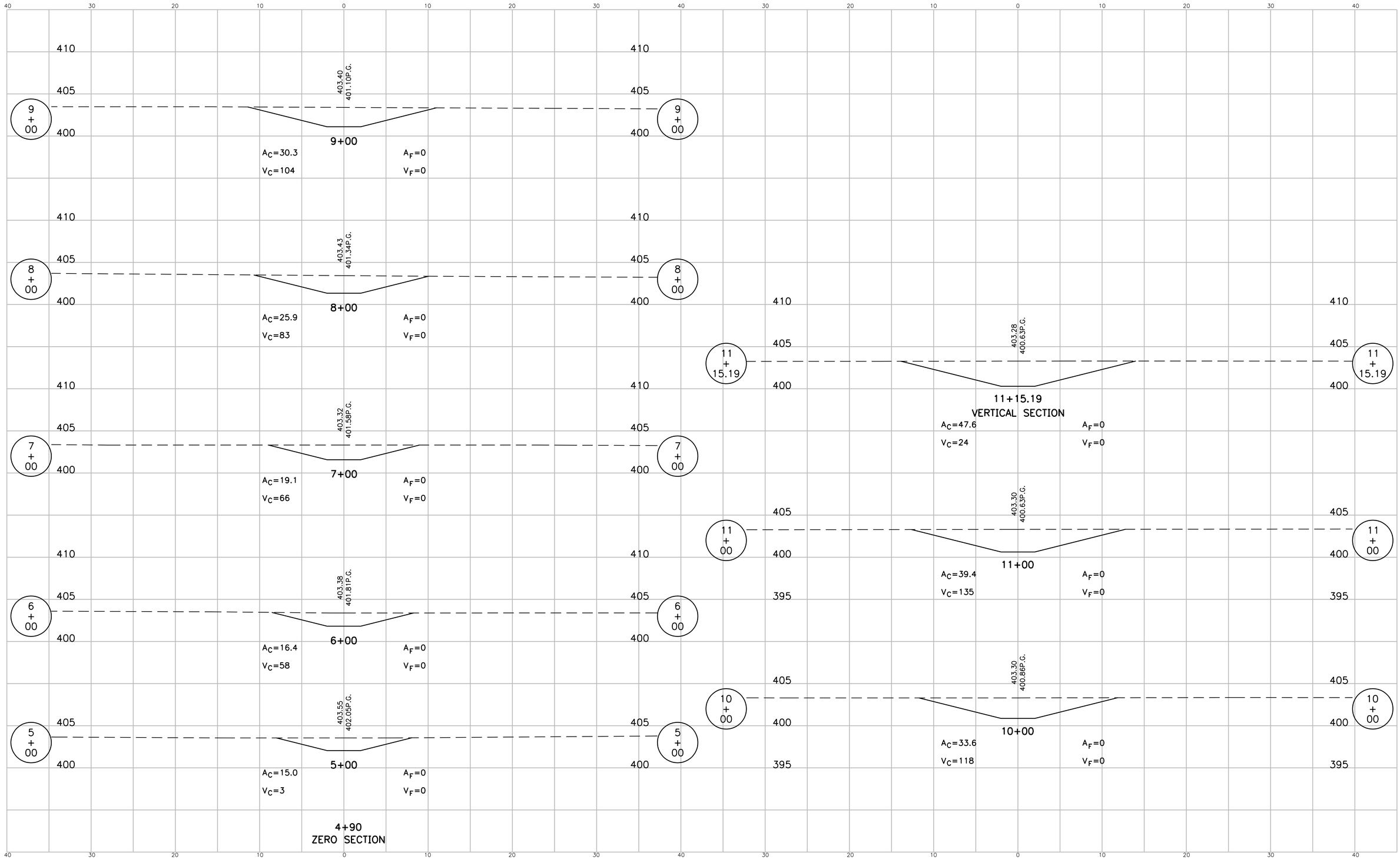
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001006.dwg 12/10/07 17:11 rap

DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 6	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 19 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



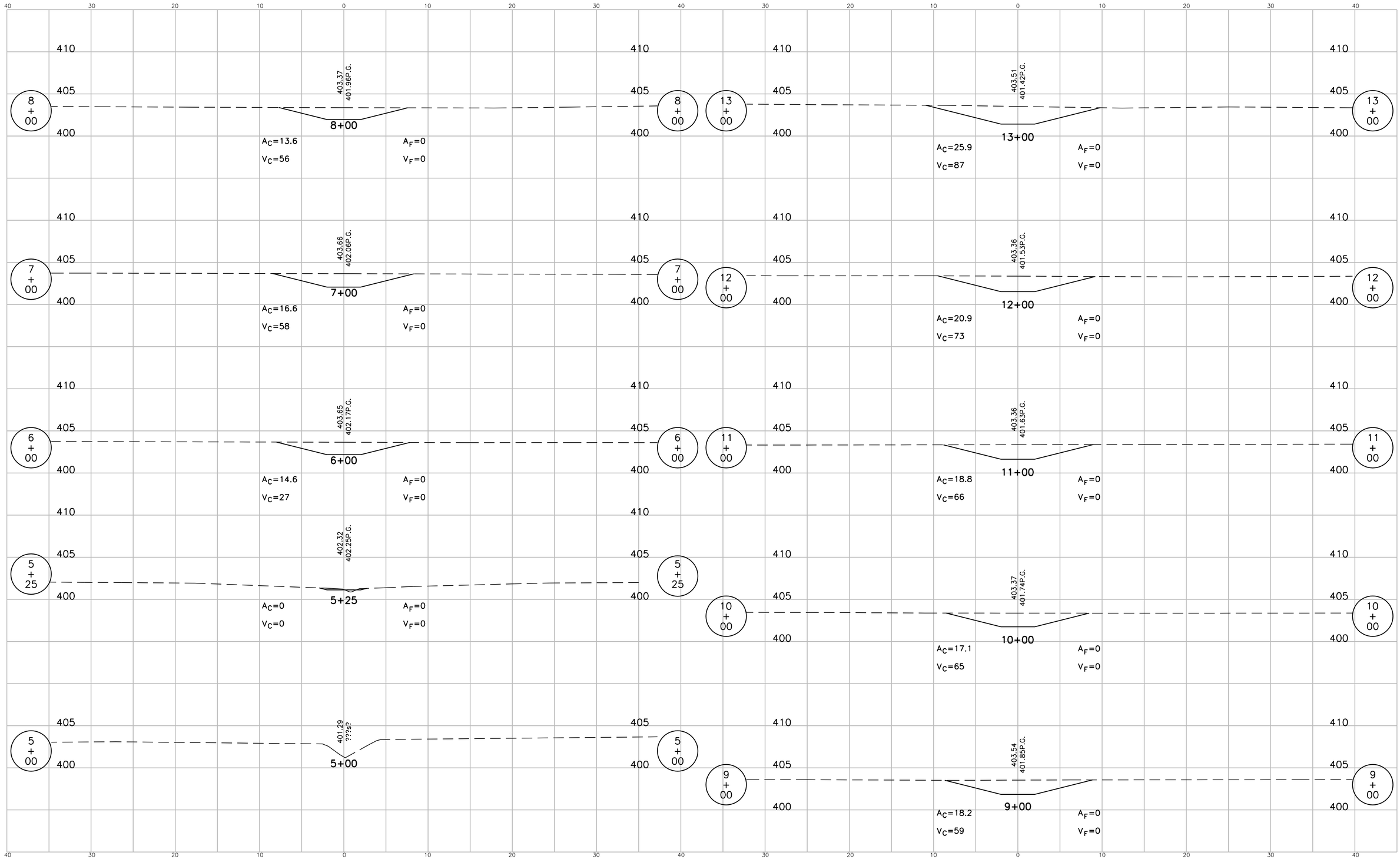
S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc002006.dwg 12/10/07 17:11 rap

DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 6	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 20 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001007.dwg 12/10/07 17:11 rap

DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=5' / VERTICAL SCALE 1"=5' / BRIDGE FILE / DESIGNATION 0710405
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 7	SURVEY BOOK / 21 of 36 / CONTRACT IR-29023 / PROJECT CN 0710405



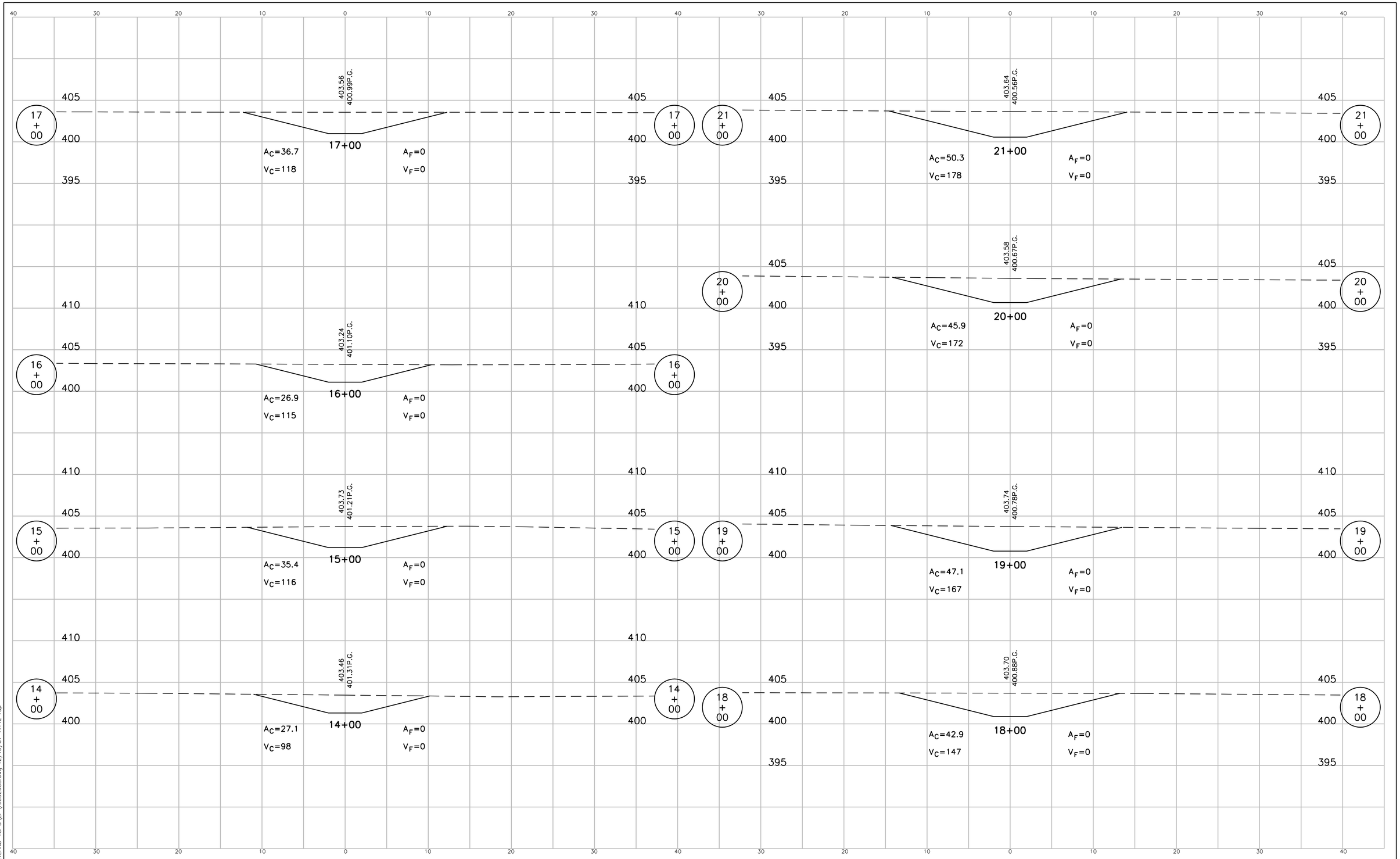
S:\Survpro\103-0001\2007 WETLAND TOPO\EPVc001008.dwg 12/10/07 17:12 rap

DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STREAM 8

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	22 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



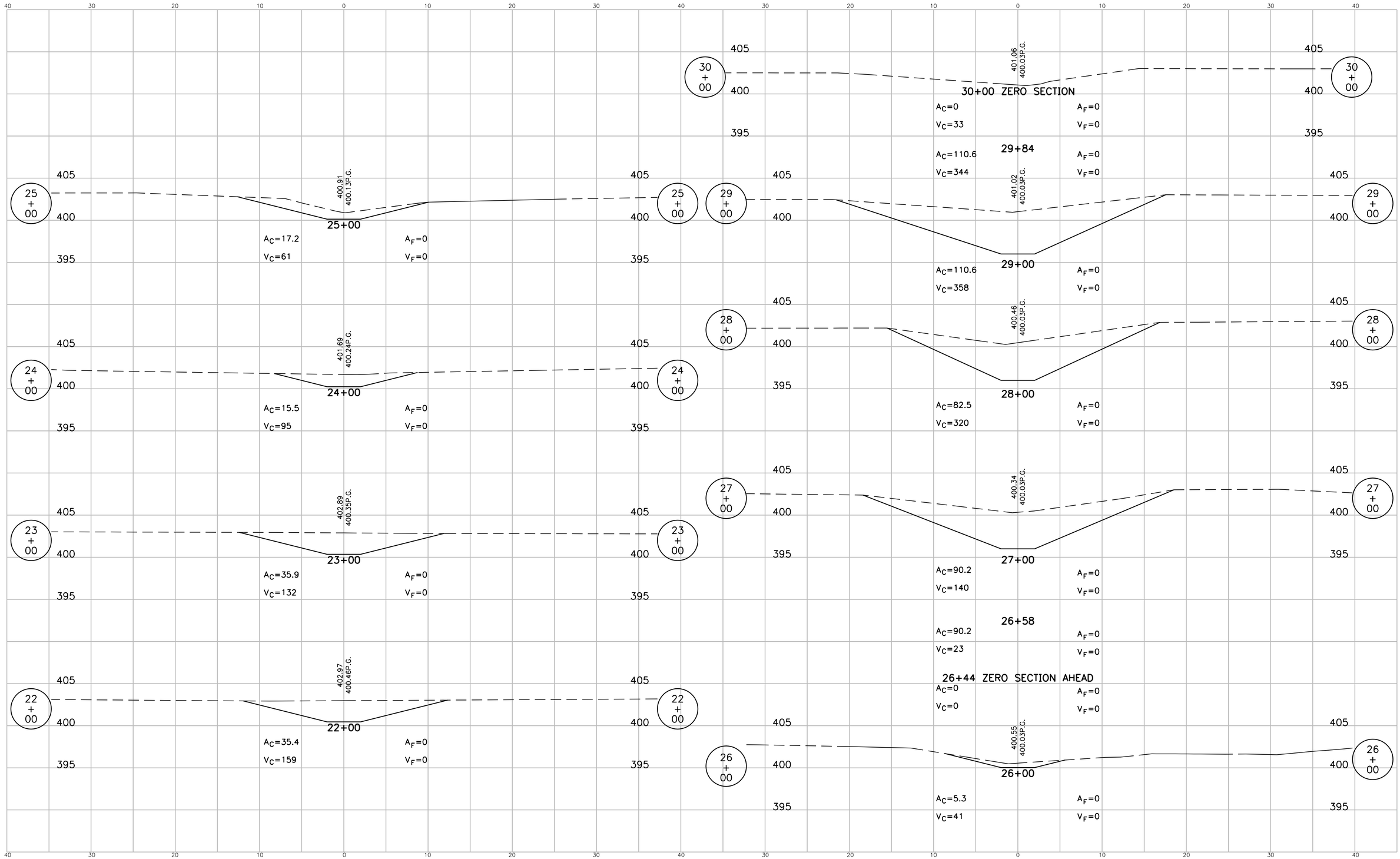
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc002008.dwg 12/10/07 17:12 rap

INDIANA
DEPARTMENT OF TRANSPORTATION

DESIGNED: JAD
DRAWN: RAP
CHECKED: DJR
CHECKED: DJR

CROSS SECTION
STREAM 8

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	23 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



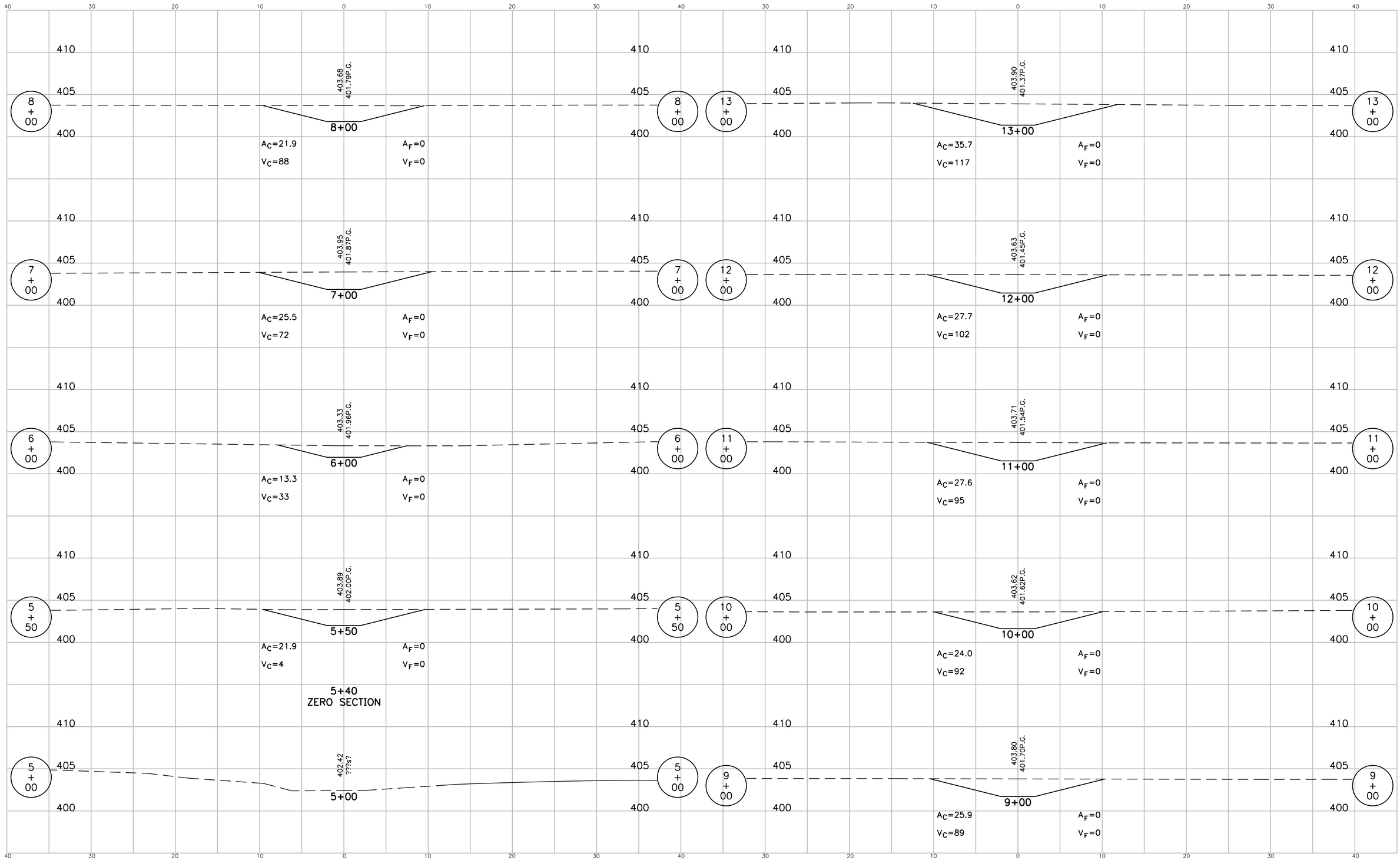
S:\Survproj\103-0001\2007 WETLAND TOPO\EPYc003008.dwg 12/10/07 17:13 rap

INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STREAM 8

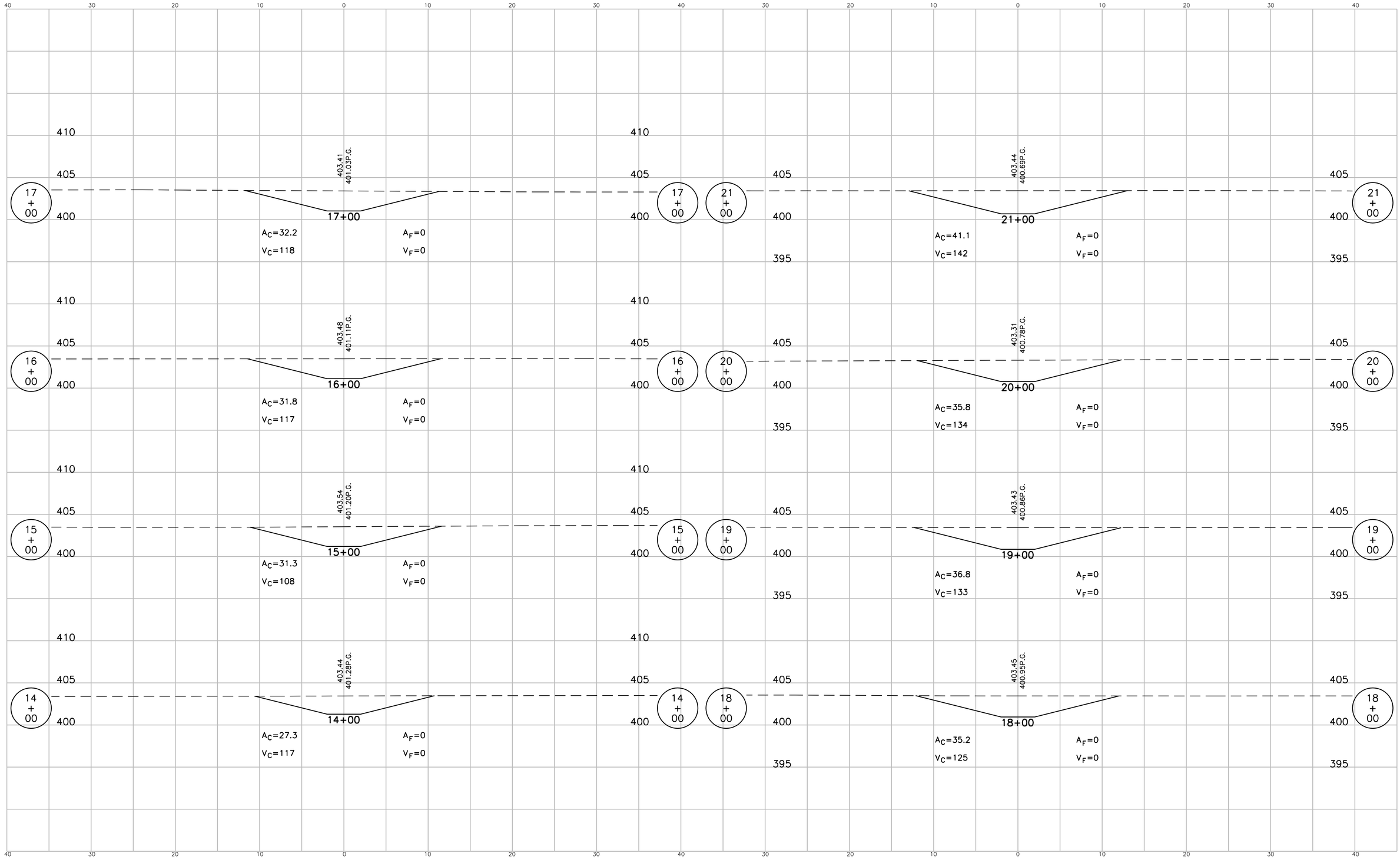
DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

HORIZONTAL SCALE 1"=5'	BRIDGE FILE
VERTICAL SCALE 1"=5'	DESIGNATION 0710405
SURVEY BOOK	24 of 36
CONTRACT IR-29023	PROJECT CN 0710405



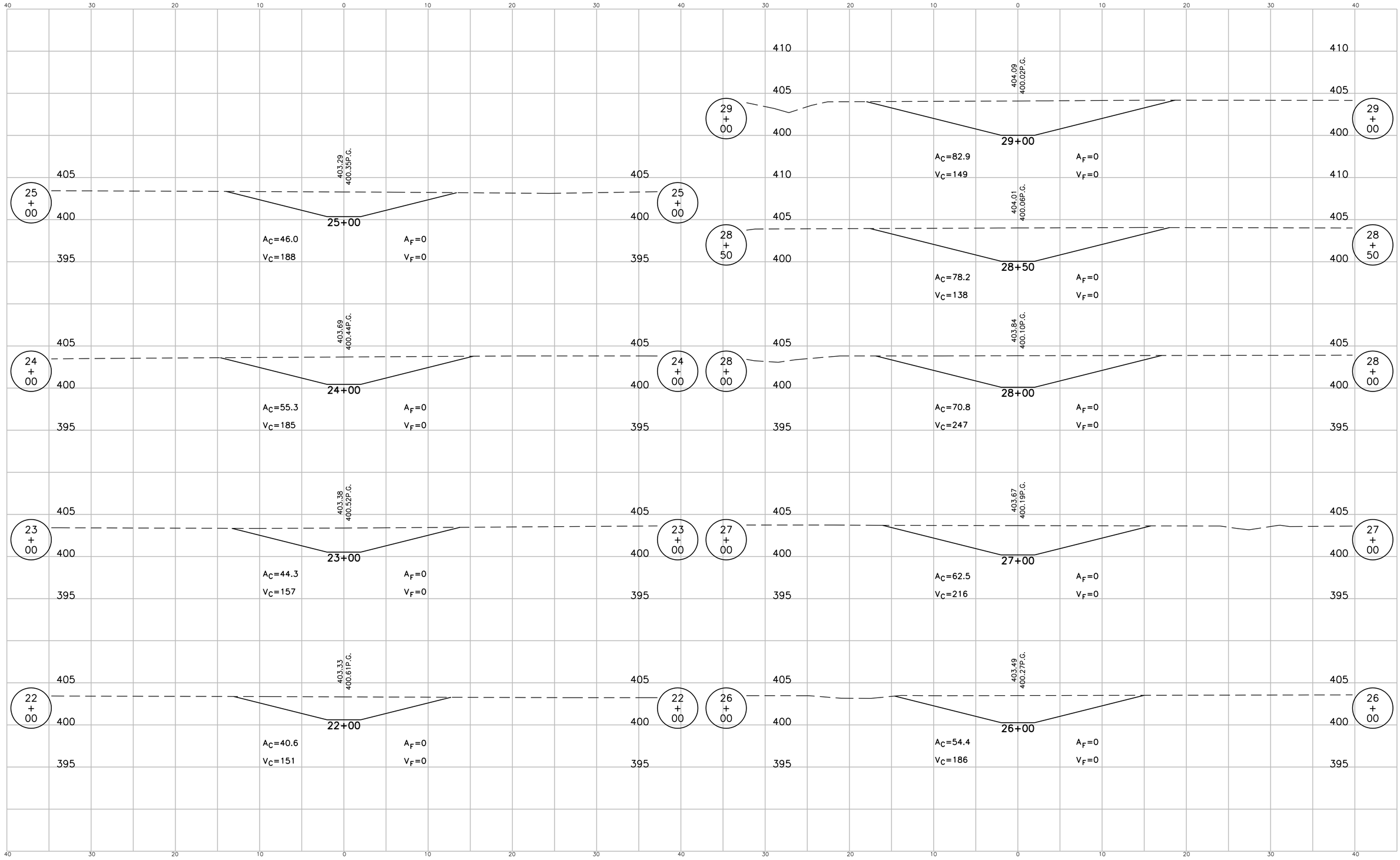
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001009.dwg 12/10/07 17:13 rap

DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 9	VERTICAL SCALE 1"=5' / DESIGNATION 0710405
			SURVEY BOOK / 25 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc002009.dwg 12/10/07 17:14 rap

DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5' / VERTICAL SCALE 1"=5' / BRIDGE FILE / DESIGNATION 0710405
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 9	SURVEY BOOK / 26 of 36 / CONTRACT IR-29023 / PROJECT CN 0710405



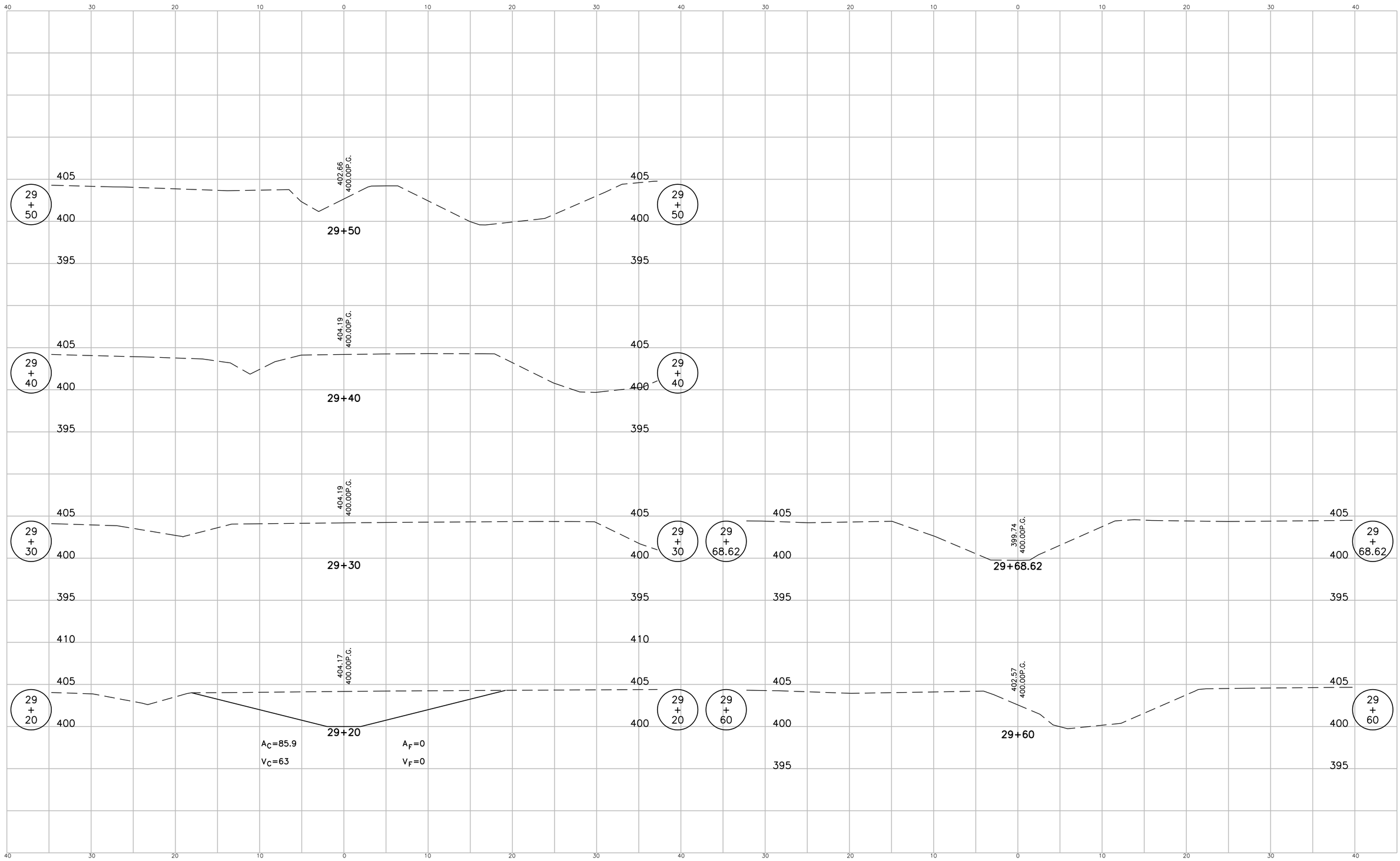
S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc003009.dwg 12/10/07 17:14 rap

INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTION
STREAM 9

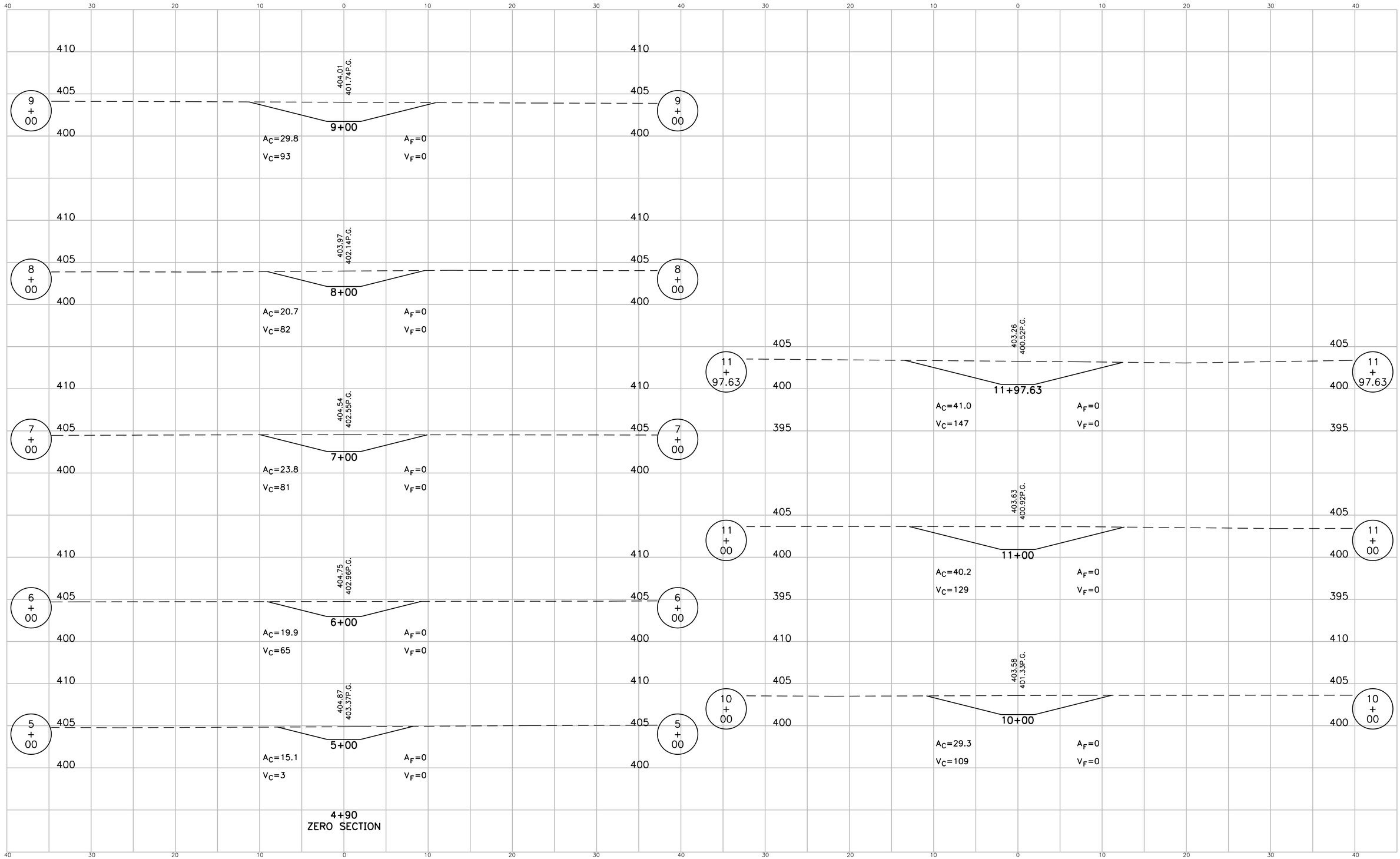
DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	27 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



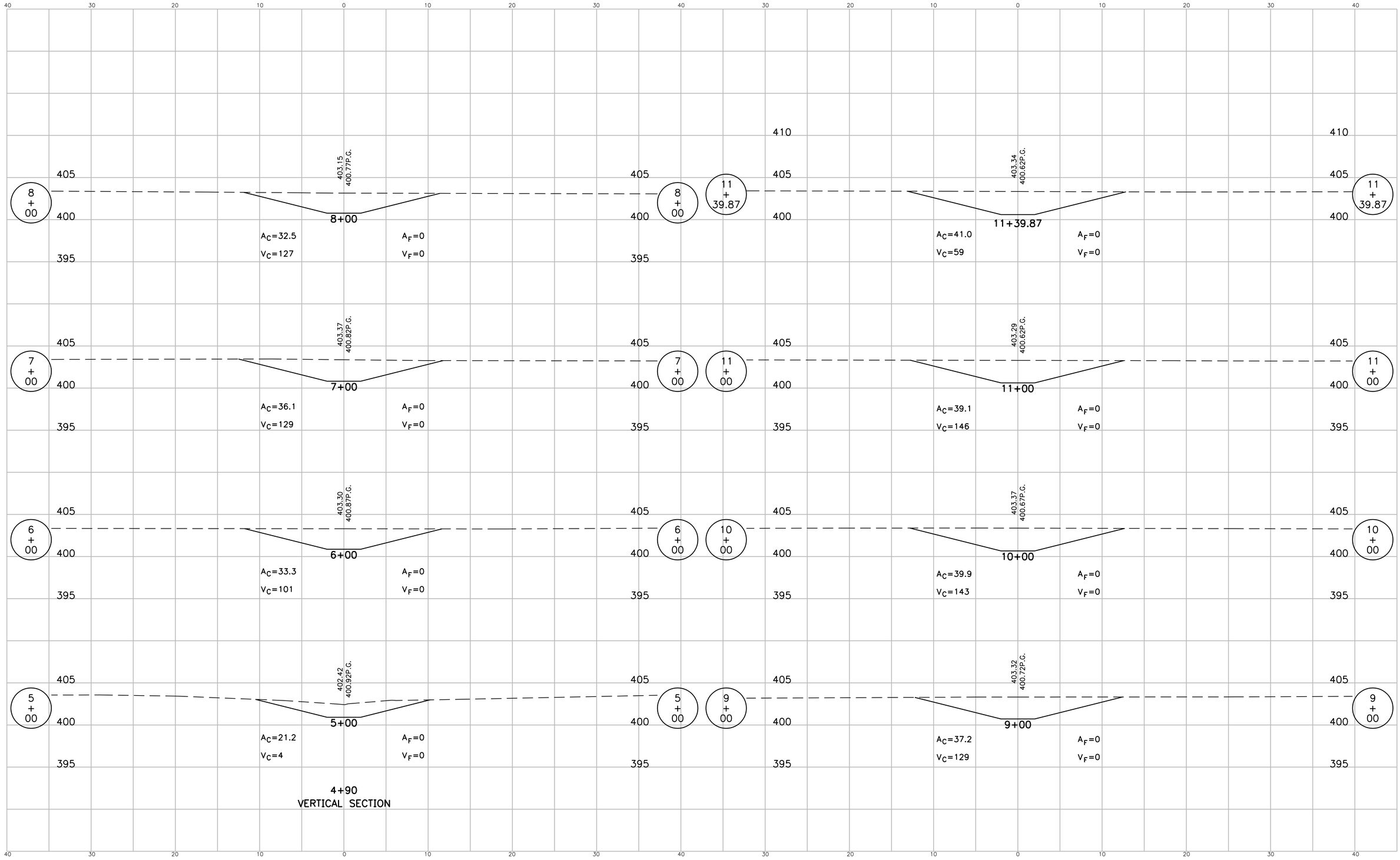
DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5' / VERTICAL SCALE 1"=5' / BRIDGE FILE / DESIGNATION 0710405
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 9	SURVEY BOOK / 28 of 36 / CONTRACT IR-29023 / PROJECT CN 0710405

S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc004009.dwg 12/10/07 17:15 rap



S:\Survpro\103-0001\2007 WETLAND TOPO\EPVcc001010.dwg 12/10/07 17:15 rap

DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5' / VERTICAL SCALE 1"=5' / BRIDGE FILE / DESIGNATION 0710405
CHECKED: DJR	CHECKED: DJR	CROSS SECTION STREAM 10	SURVEY BOOK / 29 of 36 / CONTRACT IR-29023 / PROJECT CN 0710405



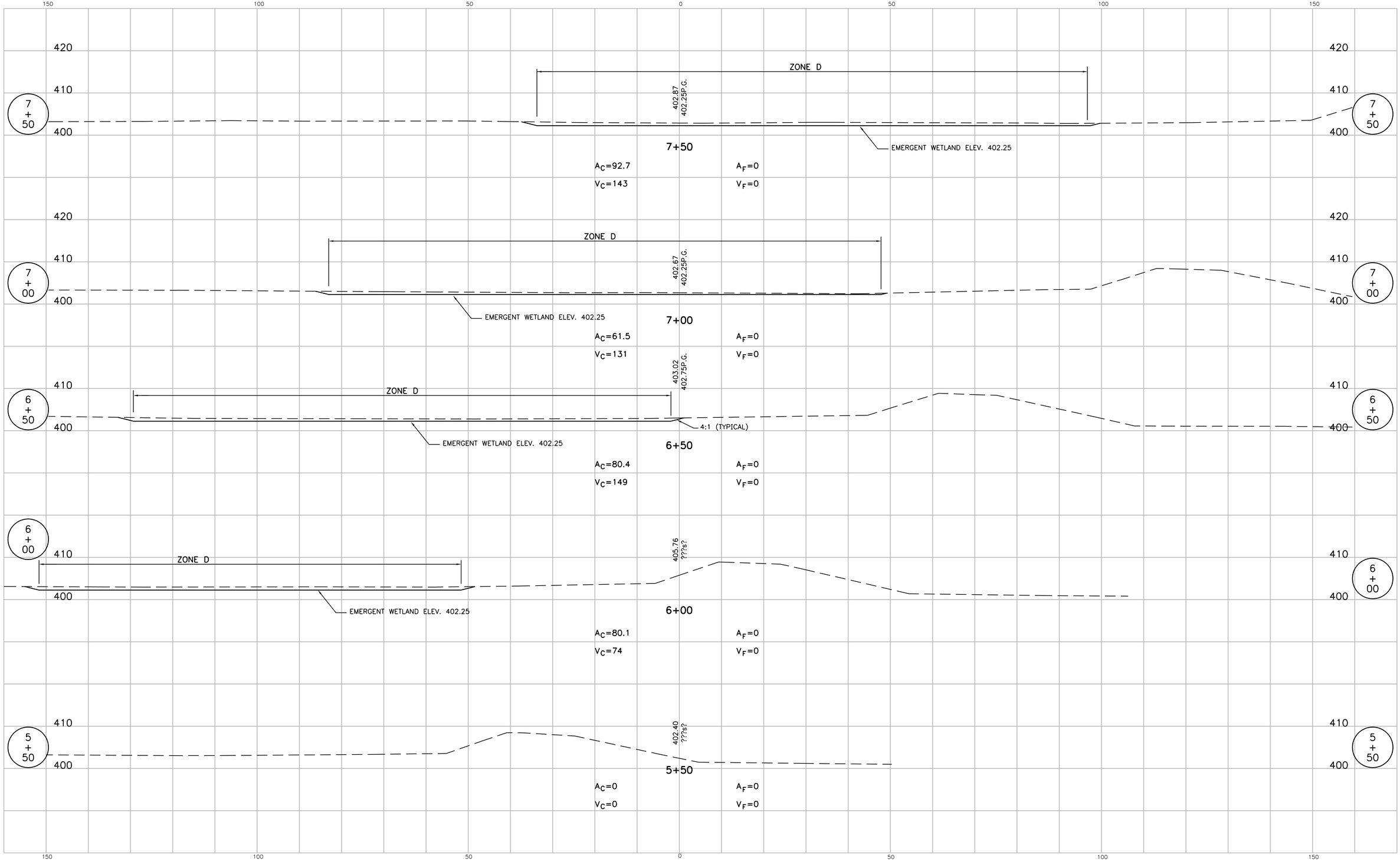
S:\Survproj\103-0001\2007 WETLAND TOPO\EP\vc001011.dwg 12/10/07 17:16 rap

DESIGNED: JAD	DRAWN: RAP	
CHECKED: DJR	CHECKED: DJR	

INDIANA DEPARTMENT OF TRANSPORTATION

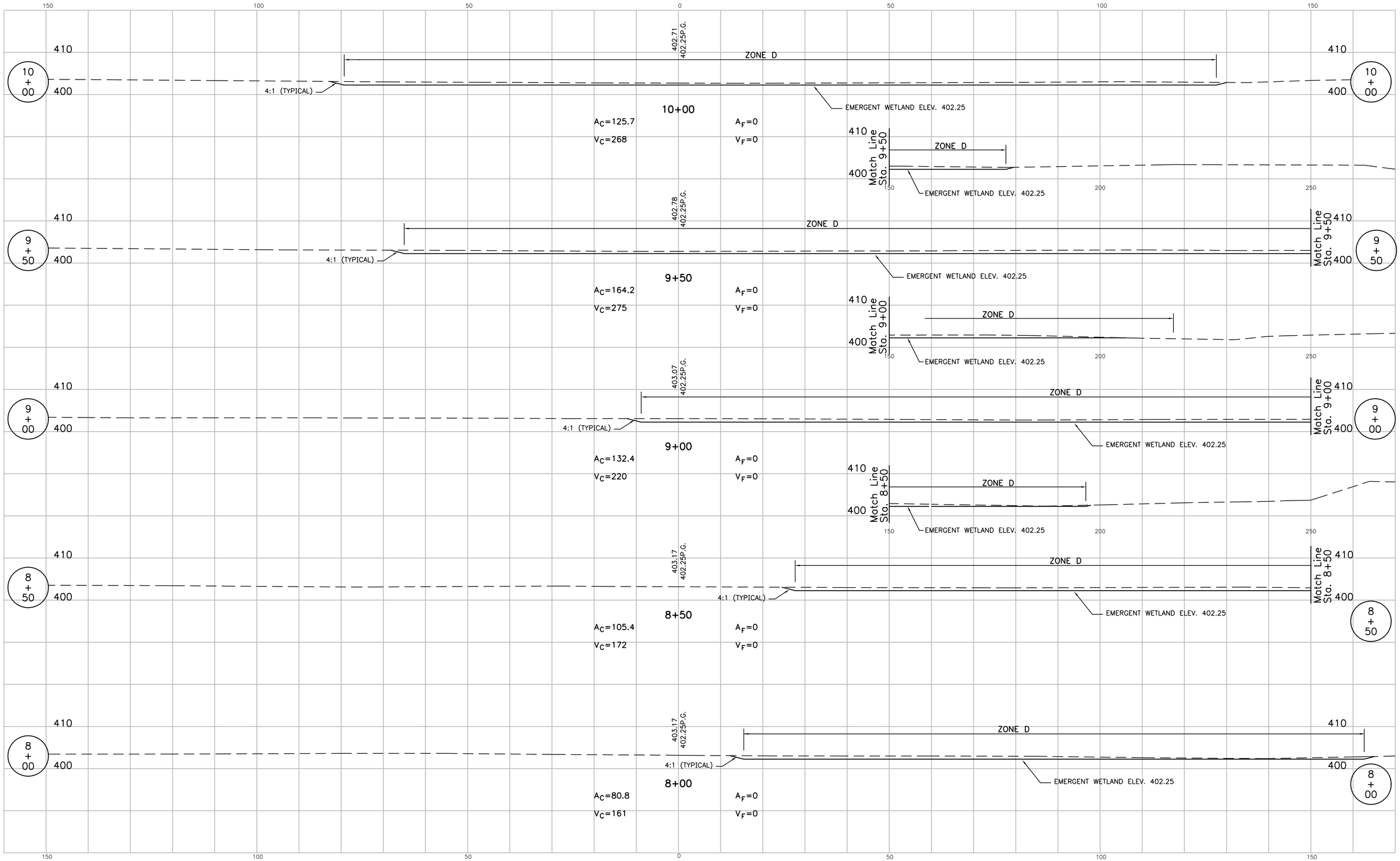
CROSS SECTION
STREAM 11

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	
VERTICAL SCALE	DESIGNATION
1"=5'	0710405
SURVEY BOOK	
	30 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



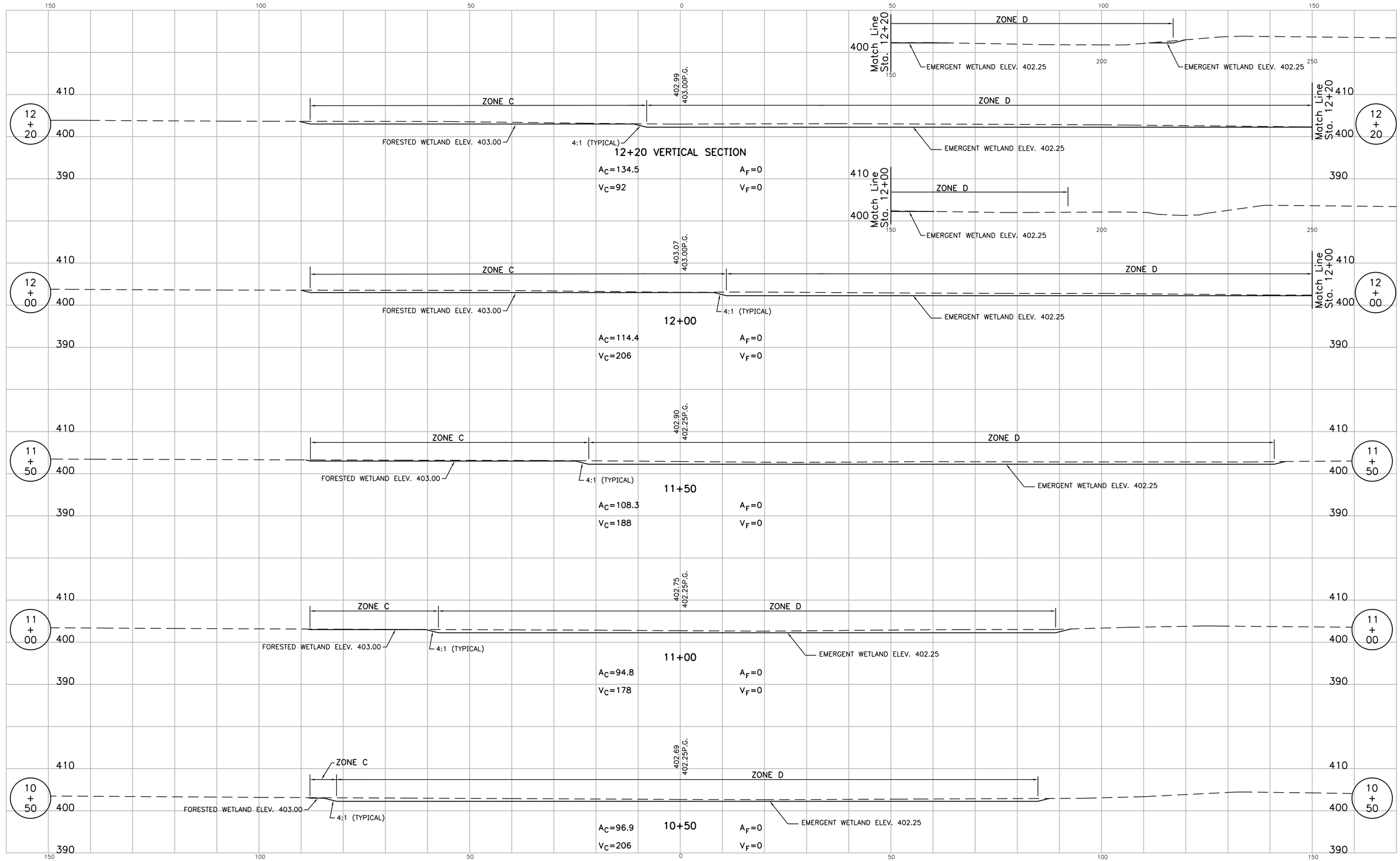
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc001012.dwg 12/10/07 17:16 rap

DESIGNED: JAD	DRAWN: RAP	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=10' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION LINE "W1" WETLAND – SOUTH QUAD	VERTICAL SCALE 1"=10' / DESIGNATION 0710405
			SURVEY BOOK / 31 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc002012.dwg 12/10/07 17:17 rap

DESIGNED: JAD	DRAWN: RAP	**INDIANA DEPARTMENT OF TRANSPORTATION**	HORIZONTAL SCALE 1"=10' / BRIDGE FILE
CHECKED: DJR	CHECKED: DJR	CROSS SECTION LINE "W1" WETLAND – SOUTH QUAD	VERTICAL SCALE 1"=10' / DESIGNATION 0710405
			SURVEY BOOK / 32 of 36
			CONTRACT IR-29023 / PROJECT CN 0710405



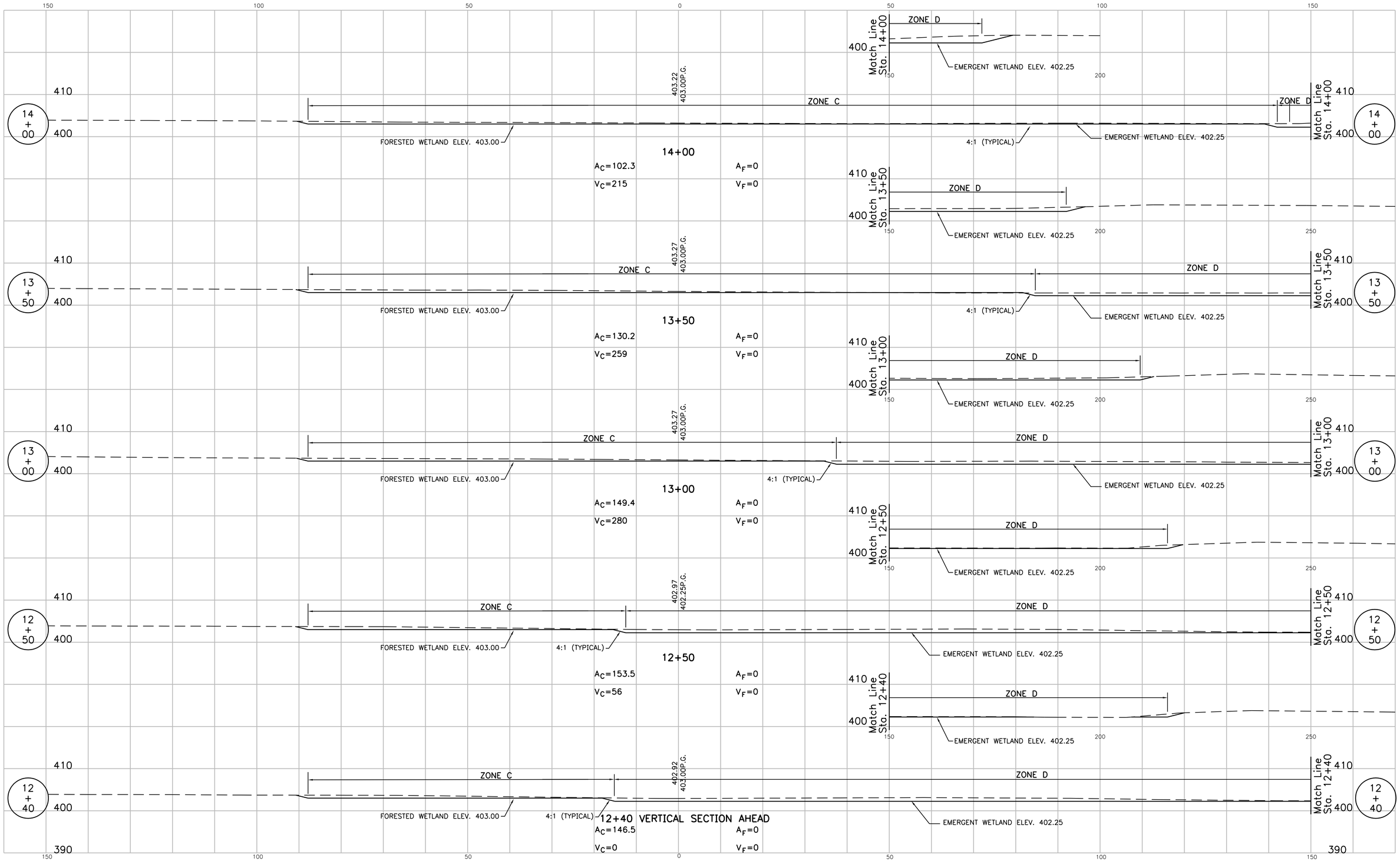
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc003012.dwg 12/10/07 17:17 rap

DESIGNED: JAD	DRAWN: RAP	
CHECKED: DJR	CHECKED: DJR	

INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTION LINE "W1"
WETLAND – SOUTH QUAD

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=10'	0710405
SURVEY BOOK	
	33 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



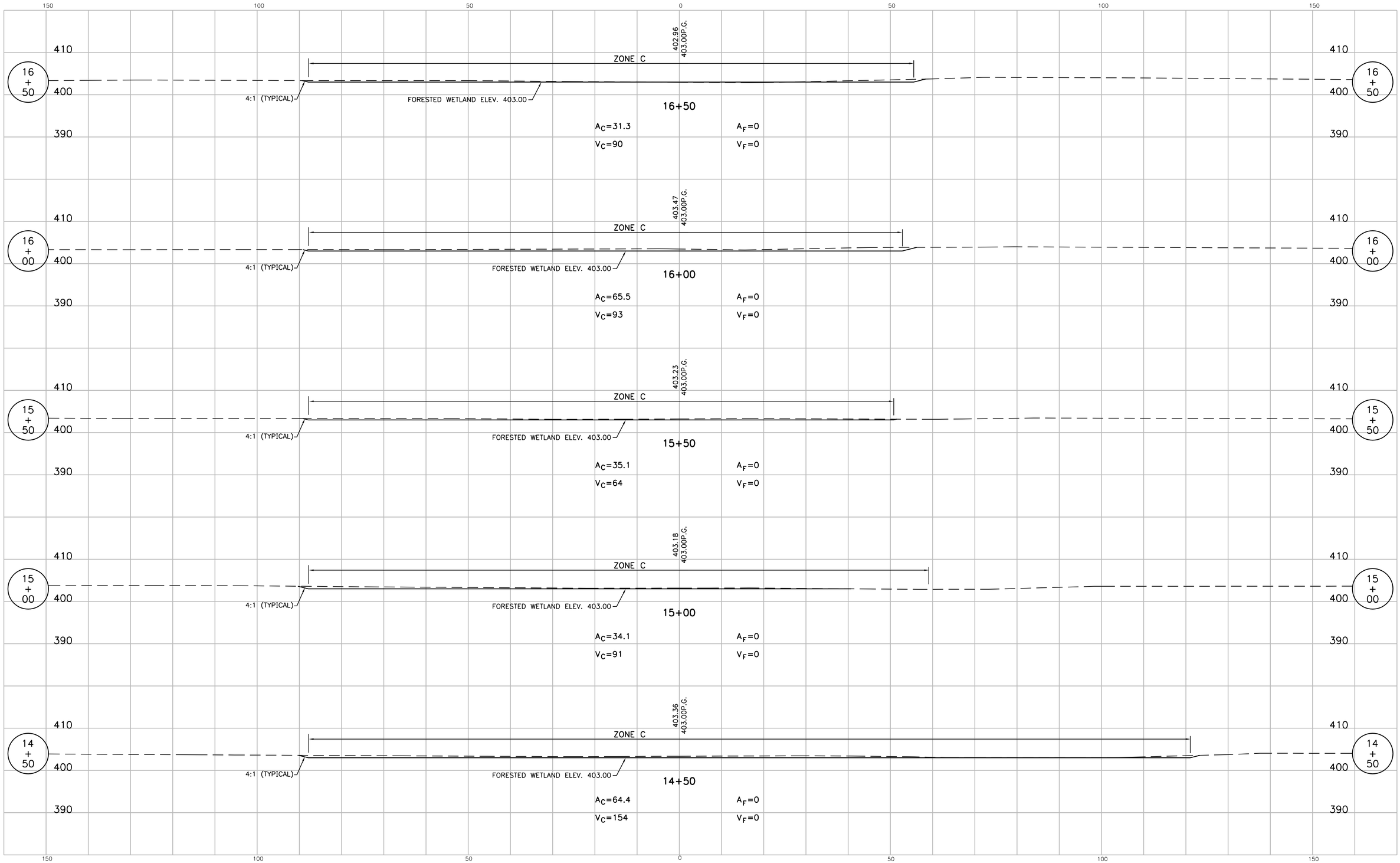
DESIGNED: JAD	DRAWN: RAP		
CHECKED: DJR	CHECKED: DJR		

INDIANA DEPARTMENT OF TRANSPORTATION

CROSS SECTION LINE "W1"
WETLAND – SOUTH QUAD

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=10'	0710405
SURVEY BOOK	
	34 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405

S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc004012.dwg 12/10/07 17:18 rap



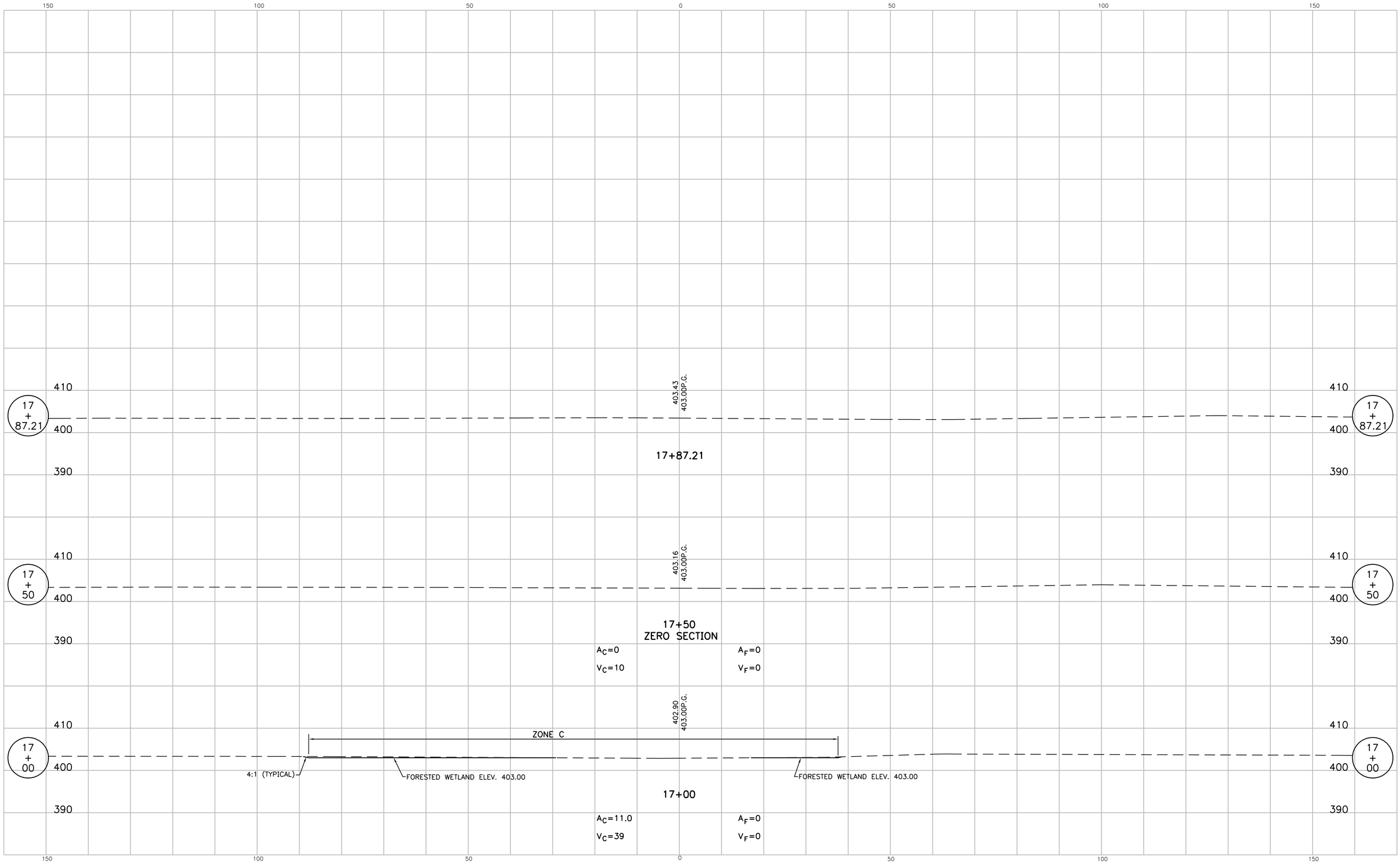
S:\Survpro\103-0001\2007 WETLAND TOPO\EP\vc005012.dwg 12/10/07 17:18 rap

DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION LINE "W1"
WETLAND – SOUTH QUAD

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=10'	0710405
SURVEY BOOK	
	35 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405



S:\Survpro\103-0001\2007 WETLAND TOPO\EP\rc006012.dwg 12/10/07 17:18 rap

DESIGNED: JAD	DRAWN: RAP
CHECKED: DJR	CHECKED: DJR

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTION LINE "W1"
WETLAND – SOUTH QUAD

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=10'	0710405
SURVEY BOOK	
	36 of 36
CONTRACT	PROJECT
IR-29023	CN 0710405