INDEX OF SHEETS: SEE SHEET D1D2_RW_IS-01

DRILL HOLES

DRILL HOLES

DRILL HOLES

BY: 34972

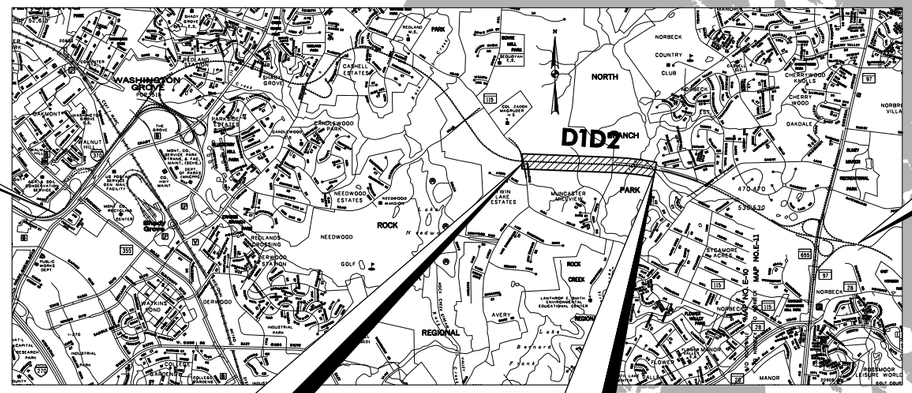
SHA

Maryland Department of Transportation

STATE HIGHWAY ADMINISTRATION
PLANS OF PROPOSED HIGHWAY

S.H.A. CONTRACT NO. AT3765960
FEDERAL AID PROJECT NO. AC-NH-ICC-1(1)N
MD 200 / INTERCOUNTY CONNECTOR CONTRACT – A
SEGMENT D1D2 (STA. 1257+50 TO 1309+50)
MUNCASTER MILL ROAD TO BRIDGE 21 OVER ROCK CREEK

LIMIT OF WORK
CONTRACT NO. AT3765960
MD 200
STA. 1020+15



LIMIT OF WORK
CONTRACT NO. AT3765960
MD 200
STA. 1395+89

BEGIN SEGMENT D1D2 WORK STA. 1257+50

END SEGMENT D1D2 WORK STA. 1309+50

LOCATION MAP

HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88

SCALE: 1"=4000 '

4000 0 4000 8000 feet

MONTGOMERY COUNTY

AASHTO DESIGN CRITERIA

THIS PROJECT WAS DESIGNED IN ACCORDANCE WITH THE 2001 PUBLICATION OF AASHTO'S "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS."

STANDARD SPECIFICATIONS BOOK, BOOK OF STANDARDS AND MUTCD

ALL WORK ON THIS PROJECT SHALL CONFORM TO: THE ICC RFP DOCUMENTS AND THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATIONS SPECIFICATIONS ENTITLED STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JANUARY 2001 REVISIONS THEREOF OR ADDITIONS THERETO; THE SPECIAL PROVISIONS INCLUDED IN THE PROJECT SPECIAL PROVISIONS BOOK. THE ADMINISTRATIONS BOOK OF STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES AND THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

RIGHT OF WAY

RIGHT OF WAY AND EASEMENT LINES SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THEY ARE NOT OFFICIAL. FOR OFFICIAL FEE RIGHT OF WAY AND EASEMENT INFORMATION, SEE APPROPRIATE RIGHT OF WAY PLATS.

UTILITIES

THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE OF THE ACCURACY OF SAID LOCATIONS.

ENVIRONMENTAL INFORMATION

MDE NTWWP #04-NT-0408/200560011
USACE #CENAB-OP-RMS 05-60011-1
NPDES # 08SF0102
MDE No. 08-SF-0102 (SWM & ESC)
MDE MOD #ICC-A-008 (SWM & ESC)
MDE WQC 200560011

ALL STORMWATER MANAGEMENT FACILITIES CONSTRUCTED FOR CONTRACT NO. AT3765960 SHALL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE STATE HIGHWAY ADMINISTRATIONS BEST MANAGEMENT PRACTICES (BMP) INSPECTION AND REMEDIATION PROGRAM.

SEDIMENT AND EROSION CONTROL REGULATIONS WILL BE STRICTLY ENFORCED DURING CONSTRUCTION.

OWNERS / DEVELOPERS CERTIFICATION :

I / WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I HEREBY AUTHORIZE THE RIGHT OF WAY ENTRY FOR PERIODIC ON –SITE EVALUATION BY STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT, COMPLIANCE INSPECTORS.

ADA COMPLIANCE

THE DESIGN OF THIS PROJECT HAS INCORPORATED FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH THE STATE AND FEDERAL LEGISLATION

GRADING, DRAINAGE AND PAVING

FINAL DESIGN REVIEW
DATE JANUARY, 2008

ISSUED FOR REVIEW

R-O-W PLAT NUMBERS	*SURVEY BOOK NUMBERS*
NONE	

DESIGN DESIGNATION				
ROADWAY	MD 200 / ICC-A			
CONTROLS / YEARS	2007	2030		
AVERAGE DAILY TRAFFIC (A.D.T.)	–	130,000	–	–
DESIGN HOURLY VOLUME (D.H.V.)	–	8,950	–	–
DIRECTIONAL DISTRIBUTION	–	55/45	–	–
% TRUCKS – A.D.T.	–	7%	–	–
% TRUCKS – D.H.V.	–	7%	–	–
DESIGN SPEED M. P. H.	60 MPH		–	
FUNCTIONAL CLASSIFICATION	FREEWAY		–	
CONTROL OF ACCESS	FULL		–	
INTENSITY OF DEVELOPMENT	COMMERCIAL		–	
TERRAIN	ROLLING		–	
ANTICIPATED POSTED SPEED	55 MPH		–	

IC
INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVIEWED AND APPROVAL RECOMMENDED DATE

DIVISION CHIEF, HIGHWAY DESIGN DIVISION

APPROVAL RECOMMENDED DATE

DIRECTOR, OFFICE OF HIGHWAY DEVELOPMENT

APPROVED DATE

DEPUTY ADMINISTRATOR – PLANNING AND ENGINEERING

SURVEY BOOK NO.

c:\pw_working_xm\ptg\34972\dma04232\pGN-T001_ICC-A_D1D2.dgn
Monday, January 28, 2008 AT 08:13 AM

CERTIFICATION - APPROVED FOR CONSTRUCTION

PARSONS–JACOBS JV, DESIGN SUBCONSULTANT TO THE INTERCOUNTY CONSTRUCTORS JV, IS COMMITTED TO PROVIDING PRODUCTS THAT MEET THE REQUIREMENTS SET FORTH BY MARYLAND DEPARTMENT OF TRANSPORTATION, SHA.

IC HAS ESTABLISHED THE QUALITY MANAGEMENT PLAN FOR THE PURPOSES OF ESTABLISHING POLICIES AND PROCEDURES FOR QUALITY CONTROL, AS WELL AS THE APPROPRIATE DOCUMENTATION DEMONSTRATING THAT THE QC ACTIVITY HAS BEEN FULFILLED.

AS DESIGN QC MANAGER, I HEREBY CERTIFY THAT THE DESIGN DOCUMENTS FOR THE PROJECT DESIGN UNIT DESCRIBED AND PRESENTED HEREWITH MEET THE FOLLOWING REQUIREMENTS AS STIPULATED IN THE CONTRACT GENERAL PROVISIONS: DESIGN CHECKS HAVE BEEN COMPLETED; WORK CONFORMS TO THE CONTRACT REQUIREMENTS; DEVIATIONS OR DESIGN EXCEPTIONS ASSOCIATED WITH THESE DOCUMENTS HAVE BEEN APPROVED IN WRITING BY THE ADMINISTRATION; DESIGN QC ACTIVITIES ARE IN COMPLIANCE WITH THE POLICIES AND PROCEDURES SET FORTH IN THE DESIGN QC PLAN; AND ALL OUTSTANDING ISSUES OR COMMENTS FROM DESIGN REVIEWS ASSOCIATED WITH THESE DOCUMENTS HAVE BEEN RESOLVED.

AUDITED BY:

ARDELL HOVESKELAND, PE, DESIGN QC MANAGER — DATE
PARSONS–JACOBS, JV

ISSUED BY:

AS DESIGN MANAGER, I HEREBY CERTIFY THAT THE DESIGN DOCUMENTS FOR THE PROJECT DESIGN UNIT DESCRIBED AND PRESENTED HEREWITH MEET THE FOLLOWING REQUIREMENTS AS STIPULATED IN THE CONTRACT GENERAL PROVISIONS: ACCURACY; ADEQUACY; CONFORMANCE TO STANDARDS OF PRACTICE; COMPLIANCE WITH CODES AND STANDARDS; COST EFFECTIVENESS, QUALITY; AND FITNESS OF PURPOSE AND/OR FUNCTION AS SPECIFIED AND/OR IMPLIED IN THE CONTRACT, AND WITH MY SIGNATURE, ISSUE THESE DOCUMENTS TO IC FOR CONSTRUCTION.

MARK HOLCOMB, PE, DESIGN MANAGER — DATE
PARSONS–JACOBS, JV

FORM 4.6–1 0615/07

AS RESPONSIBLE ENGINEER, I HEREBY CERTIFY THAT THE DESIGN DRAWINGS AND SPECIFICATIONS FOR THE PROJECT DESIGN UNIT D1D2 AS LISTED ON INDEX OF SHEETS CONFORM TO THE OVERALL DESIGN AND CONTRACT REQUIREMENTS.

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

DESIGN UNIT D1D2 RESPONSIBLE ENGINEER JOHN LISCH, P.E. DATE

LICENSE NO.: 17398

EXPIRATION DATE: 06/24/2009

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

DRAWING NO.	DESCRIPTION
D1D2_RW_T1–01	TITLE SHEET
D1D2_RW_IS–01	INDEX OF SHEETS
D1D2_RW_GN–01	GENERAL NOTES & ABBREVIATIONS
D1D2_RW_GN–02	GENERAL NOTES
D1D2_RW_GN–03	GENERAL NOTES
D1D2_RW_LA–01	LAYOUT SHEET
D1D2_RW_TS–08	TYPICAL CUT & FILL SIDESLOPE TREATMENT
D1D2_RW_TS–14	TYPICAL SECTION
D1D2_RW_TS–16	TYPICAL SECTION
D1D2_RW_DE–02	TYPICAL PAVEMENT DETAILS
D1D2_RW_SR–02	UNDERDRAIN SUMMARY
D1D2_RW_GS–27	SURVEY CONTROL POINTS
D1D2_RW_GS–15	GEOMETRIC LAYOUT
D1D2_RW_GS–16	GEOMETRIC LAYOUT
D1D2_RW_GS–17	GEOMETRIC LAYOUT
D1D2_RW_GS–20	CURVE DATA
D1D2_RW_SE–53	SUPERELEVATION DATA
D1D2_RW_SE–54	SUPERELEVATION DATA

DRAWING NO.	DESCRIPTION
D1D2_RW_PS–35	ROADWAY PLAN
D1D2_RW_PS–38	ROADWAY PLAN
D1D2_RW_PS–39	ROADWAY PLAN
D1D2_RW_PS–40	ROADWAY PLAN
D1D2_RW_PS–41	ROADWAY PLAN
D1D2_RW_PS–42	ROADWAY PLAN
D1D2_RW_PR–35	ROADWAY PROFILE
D1D2_RW_PR–38	ROADWAY PROFILE
D1D2_RW_PR–39	ROADWAY PROFILE
D1D2_RW_PR–40	ROADWAY PROFILE
D1D2_RW_PR–41	ROADWAY PROFILE
D1D2_RW_PR–42	ROADWAY PROFILE
D1D2_RW_BK_PR–43	BIKE PATH PROFILE
D1D2_RW_BK_PR–44	BIKE PATH PROFILE
D1D2_RW_BK_PR–45	BIKE PATH PROFILE
D1D2_RW_BK_PR–46	BIKE PATH PROFILE

LEAD ENGINEER FOR ROADWAY – JOHN LISCH, P.E. DATE

LICENSE NO.: 17398

EXPIRATION DATE: 06/24/2009

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

DRAWING NO.	DESCRIPTION
DR_D1_SW_PS–01	SWM FACILITY D1–A GRADING PLAN
D1_DR_SW_PS–02	SWM FACILITY D1–B GRADING PLAN
D1_DR_SW_PS–03	SWM FACILITY D1–CDE GRADING PLAN
D1_DR_SW_PS–04	SWM FACILITY D1–FGH GRADING PLAN
D1_DR_SW_DE–01	SWM FACILITY D1–A DETAILS
D1_DR_SW_DE–02	SWM FACILITY D1–B DETAILS
D1_DR_SW_DE–03	SWM SAND FILTER DETAILS
D1_DR_SW_DE–04	SWM FACILITY D1–CDEFGH DETAILS
D1_DR_SW_DE–05	SWM FACILITY D1–CDEFGH DETAILS
D1_DR_SW_DE–06	SWM FACILITY D1–CD DETAILS
D1_DR_SW_DE–07	SWM FACILITY D1–E DETAILS
D1_DR_SW_DE–08	SWM FACILITY D1–FH DETAILS
D1_DR_SW_DE–09	SWM FACILITY D1–G DETAILS

DRAWING NO.	DESCRIPTION
D1D2_DR_ES_GN–01	GENERAL NOTES
D1D2_DR_ES_DE–01	DETAILS
D1D2_DR_ES_PS–35	FINAL CONDITIONS
D1D2_DR_ES_PS–38	INTERIM CONDITIONS
D1D2_DR_E1_PS–39	INTERIM CONDITIONS
D1D2_DR_E2_PS–39	FINAL CONDITIONS
D1D2_DR_E1_PS–40	INTERIM CONDITIONS
D1D2_DR_E2_PS–40	FINAL CONDITIONS
D1D2_DR_E1_PS–41	INTERIM CONDITIONS
D1D2_DR_E2_PS–41	FINAL CONDITIONS
D1D2_DR_E1_PS–42	INTERIM CONDITIONS
D1D2_DR_E2_PS–42	FINAL CONDITIONS

DRAWING NO.	DESCRIPTION
D1D2_DR_DE–01	DRAINAGE SCHEDULE
D1D2–DR_DE–02	DRAINAGE DETAILS
D1D2–DR_PR–01	DRAINAGE PROFILE
D1D2–DR_PR–02	DRAINAGE PROFILE

LEAD ENGINEER FOR DRAINAGE – GUOXING HUANG, P.E. DATE

LICENSE NO.: 23093

EXPIRATION DATE: 09/30/2009

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301–354–8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

DESIGN CERTIFICATION

REVISIONS

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY
DRAWN BY
CHECKED BY
F.A.P. NO. AC–NH–ICC–1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. **D1D2_RW_C1–01** SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 10:05 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PGN–C001_ICC–A_CERT–D1D2.DGN

BY: 34972

INDEX OF SHEETS

DRAWING NO.	DESCRIPTION
GENERAL	
D1D2_RW_T1–01	TITLE SHEET
D1D2_RW_IS–01	INDEX OF SHEETS
D1D2_RW_GN–01	GENERAL NOTES & ABBREVIATIONS
D1D2_RW_GN–02	GENERAL NOTES
D1D2_RW_GN–03	GENERAL NOTES
D1D2_RW_LA–01	LAYOUT SHEET
ROADWAY	
D1D2_RW_TS–08	TYPICAL CUT & FILL SIDESLOPE TREATMENT
D1D2_RW_TS–14	TYPICAL SECTION
D1D2_RW_TS–16	TYPICAL SECTION
D1D2_RW_DE–02	TYPICAL PAVEMENT DETAILS
D1D2_RW_SR–02	UNDERDRAIN SUMMARY
D1D2_RW_GS–27	SURVEY CONTROL POINTS
D1D2_RW_GS–15	GEOMETRIC LAYOUT
D1D2_RW_GS–16	GEOMETRIC LAYOUT
D1D2_RW_GS–17	GEOMETRIC LAYOUT
D1D2_RW_GS–20	CURVE DATA
D1D2_RW_SE–53	SUPERELEVATION DATA
D1D2_RW_SE–54	SUPERELEVATION DATA
D1D2_RW_PS–35	ROADWAY PLAN
D1D2_RW_PS–38	ROADWAY PLAN
D1D2_RW_PS–39	ROADWAY PLAN
D1D2_RW_PS–40	ROADWAY PLAN
D1D2_RW_PS–41	ROADWAY PLAN
D1D2_RW_PS–42	ROADWAY PLAN
D1D2_RW_PR–35	ROADWAY PROFILE
D1D2_RW_PR–38	ROADWAY PROFILE
D1D2_RW_PR–39	ROADWAY PROFILE
D1D2_RW_PR–40	ROADWAY PROFILE
D1D2_RW_PR–41	ROADWAY PROFILE
D1D2_RW_PR–42	ROADWAY PROFILE
D1D2_RW_BK_PR–43	BIKE PATH PROFILE
D1D2_RW_BK_PR–44	BIKE PATH PROFILE
D1D2_RW_BK_PR–45	BIKE PATH PROFILE
D1D2_RW_BK_PR–46	BIKE PATH PROFILE

DRAWING NO.	DESCRIPTION
STORMWATER MANAGEMENT FACILITY	
DR_D1_SW_PS–01	SWM FACILITY D1–A GRADING PLAN
D1_DR_SW_PS–02	SWM FACILITY D1–B GRADING PLAN
D1_DR_SW_PS–03	SWM FACILITY D1–CDE GRADING PLAN
D1_DR_SW_PS–04	SWM FACILITY D1–FGH GRADING PLAN
D1_DR_SW_DE–01	SWM FACILITY D1–A DETAILS
D1_DR_SW_DE–02	SWM FACILITY D1–B DETAILS
D1_DR_SW_DE–03	SWM SAND FILTER DETAILS
D1_DR_SW_DE–04	SWM FACILITY D1–CDEFGH DETAILS
D1_DR_SW_DE–05	SWM FACILITY D1–CDEFGH DETAILS
D1_DR_SW_DE–06	SWM FACILITY D1–CD DETAILS
D1_DR_SW_DE–07	SWM FACILITY D1–E DETAILS
D1_DR_SW_DE–08	SWM FACILITY D1–FH DETAILS
D1_DR_SW_DE–09	SWM FACILITY D1–G DETAILS
EROSION AND SEDIMENT CONTROL	
D1D2_DR_ES_GN–01	GENERAL NOTES
D1D2_DR_ES_DE–01	DETAILS
D1D2_DR_ES_PS–35	FINAL CONDITIONS
D1D2_DR_ES_PS–38	INTERIM CONDITIONS
D1D2_DR_E1_PS–39	INTERIM CONDITIONS
D1D2_DR_E2_PS–39	FINAL CONDITIONS
D1D2_DR_E1_PS–40	INTERIM CONDITIONS
D1D2_DR_E2_PS–40	FINAL CONDITIONS
D1D2_DR_E1_PS–41	INTERIM CONDITIONS
D1D2_DR_E2_PS–41	FINAL CONDITIONS
D1D2_DR_E1_PS–42	INTERIM CONDITIONS
D1D2_DR_E2_PS–42	FINAL CONDITIONS
STORM DRAIN	
D1D2_DR_DE–01	DRAINAGE SCHEDULE
D1D2–DR_DE–02	DRAINAGE DETAILS
D1D2–DR_PR–01	DRAINAGE PROFILE
D1D2–DR_PR–02	DRAINAGE PROFILE

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301–354–8600

REVISIONS

INDEX OF SHEETS

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC–NH–ICC–1(1)N

DRAWING NO. D1D2_RW_IS–01 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 10:03 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PGN-1000.ICC-A_INDEX_D1D2.DGN

BY: 34972

ABBREVIATIONS

A.A.S.H.T.O. – AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS
ADT – AVERAGE DAILY TRAFFIC
AHD – AHEAD
APPROX. – APPROXIMATE
℄ : B℄ – BASELINE
BK – BACK /BOOK
BIT. – BITUMINOUS
B.C. – BITUMINOUS CONCRETE
B.M. – BENCH MARK
BOT. – BOTTOM
C.C. – CENTER OF CURVE
CAP – CORRUGATED ALUMINUM PIPE
CATV – CABLE TELEVISION
C.B.R. – CALIFORNIA BEARING RATIO
℄ : C℄ – CENTERLINE
CCTV – CLOSED CIRCUIT TV CAMERA
CL. – CLASS
CLF – CHAIN LINK FENCE
CMP – CORRUGATED METAL PIPE
C.O. – CLEANOUT
COMB. – COMBINATION
COMMS. – COMMUNICATIONS
CONC. – CONCRETE
COND. – CONDUIT
CONSTR. – CONSTRUCTION
COR. – CORNER
CORR. – CORRECTION
CSP – CORRUGATED STEEL PIPE
DC – DEGREE OF CURVE
D.H.V. – DESIGN HOURLY VOLUME
D.I. – DROP INLET
DIA. – DIAMETER
DMS – DYNAMIC MESSAGE SIGN
D.O. – DOUBLE OPENING
E – EAST
E – ELECTRIC
E – EXTERNAL DISTANCE
EA. – EACH
E.B. : E/B – EASTBOUND
ELEV. : EL. – ELEVATION
E.R.C.C.P. – ELLIPTICAL REINFORCED CEMENT CONCRETE PIPE
ES – END SECTION
EX. : EXIST. – EXISTING
FT. – FEET
FL – FLOW LINE
F.B.D. – FLAT BOTTOM DITCH
F.H. – FIRE HYDRANT
FWD. – FORWARD
G – GAS
G.R.S. – GALVANIZED RIGID STEEL
G.V. – GAS VALVE
HAR – HIGHWAY ADVISORY RADIO
H.B. – HANDBOX
H.D.P. – HIGH DENSITY POLYETHYLENE
HDWL. – HEADWALL
H.E.R.C.P. – HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
H.P.–HIGH POINT
IN. – INCH
I.S.T. – INLET SEDIMENT TRAP
INV. – INVERT
J.B. – JUNCTION BOX
K – RATE OF VERTICAL CURVATURE
L – LENGTH
L.F. – LINEAR FEET
L.L. – LIQUID LIMIT
LOD : L.O.D. – LIMIT OF DISTURBANCE
L.P. – LIGHT POLE
MAC. – MACADAM
LT. – LEFT
M.C. – MOISTURE CONTENT
MAX. – MAXIMUM
M.D.D. – MAXIMUM DRY DENSITY
MOD. – MODIFIED
MIN. – MINIMUM
N – NORTH
N.A.: NA: N/A – NOT APPLICABLE
N.B. : N/B – NORTHBOUND
N.E. – NORTHEAST
N.P. – NON–PLASTIC
N.T.S. : NTS – NOT TO SCALE
O.C. – ON CENTER
OHE – OVERHEAD ELECTRIC
O.M. – OPTIMUM MOISTURE
PAV'T. – PAVEMENT
P.C. – POINT OF CURVATURE
P.C.C. – POINT OF COMPOUND CURVATURE
P/C – POINT OF CROWN
P/GE – PROFILE GRADE ELEVATION
P.G.L. – PROFILE GRADE LINE
P/GL – PROFILE GROUND LINE
P/R – POINT OF ROTATION
P.I. – PLASTICITY INDEX
P.I. – POINT OF INTERSECTION
P.O.C. – POINT ON CURVE
P.O.T. – POINT ON TANGENT
PPWP – POLYVINYL CHLORIDE PROFILE WALL PIPE
PROP. – PROPOSED
P.R.C. – POINT OF REVERSE CURVE
PT. – POINT
P.T. – POINT OF TANGENCY
PVC – POINT OF VERTICAL CURVATURE
PVC – POLYVINYL CHLORIDE
PVI – POINT OF VERTICAL INTERSECTION
PVRC – POINT OF VERTICAL REVERSE CURVE
PVT – POINT OF VERTICAL TANGENCY
R – RADIUS
R.F. – ROCK FRAGMENTS
RT. – RIGHT
RTMS – REMOTE TRAFFIC MICROWAVE SENSOR
RW : R/W : ROW – RIGHT OF WAY
R.C.P. – REINFORCED CONCRETE PIPE
R.C.C.P. – REINFORCED CEMENT CONCRETE PIPE
R.Q.D. – ROCK QUALITY DESIGNATION
R.M. – ROOTMAT
RWIS – ROADWAY WEATHER INFORMATION SYSTEM
S – SOUTH
SAN. – SANITARY SEWER
SB : S/B – SOUTHBOUND
S.D. – STORM DRAIN
S.D.D. – SURFACE DRAINAGE DITCH
S/E – SUPERELEVATION
SF – SILT FENCE
S.F. – SQUARE FEET
SHLDR – SHOULDER
SHT. – SHEET
SHC – SERVICE HOUSE CONNECTION
S.P.P. – STRUCTURAL PLATE PIPE
S.P.T. – STANDARD PENETRATION TESTING
S.R.P. – SPIRAL RIBBED PIPE
SSD – STOPPING SIGHT DISTANCE
SSF – SUPER SILT FENCE
STA. – STATION
STD. – STANDARD
ST℄ – STREETLIGHT
SO. – SINGLE OPENING
S.Y. – SQUARE YARDS
SWM – STORMWATER MANAGEMENT
T – TANGENT
T.B.D. – TO BE DETERMINED
TEL. – TELEPHONE
T.C. – TOP OF COVER
T.G. – TOP OF GRATE
T : TL – TRAVERSE LINE
T.M. – TOP OF MANHOLE
TRAV. – TRAVERSE
TS – TEMPORARY SWALE
T.S. – TOP OF SLAB
TYP. – TYPICAL
U.D. – UNDERDRAIN
U.G. – UNDERGROUND
U.P. – UTILITY POLE
U.S.D.A. – UNITED STATES DEPARTMENT OF AGRICULTURE
VCL – VERTICAL CLEARANCE
V.C.L. – VERTICAL CURVE LENGTH
VPC – VERTICAL POINT OF CURVATURE
VPI – VERTICAL POINT OF INTERSECTION
VPT – VERTICAL POINT OF TANGENCY
W – WATER
W – WEST
W.B. : W/B – WESTBOUND
WB – WETLAND BUFFER
W.M. – WATER METER
W.S. – WRAPPED STEEL
W.V. – WATER VALVE

CONVENTIONAL SIGNS

PROPOSED MEDIAN BARRIER
ELECTRICAL HAND BOX – SIGNALS — H.B.
FLOW LINE
STATE, COUNTY OR CITY LINES
PROPOSED TRAFFIC BARRIER
EXISTING TRAFFIC BARRIER
PROPOSED FENCE LINE — X — X —
EXISTING FENCE LINE
RIGHT OF WAY LINE
EXISTING ROADWAY
RAILROAD
BASE OR SURVEY LINE — 34 +50 32
EXISTING FIRE HYDRANT — F.H.
HISTORIC BOUNDARY
LIMIT OF CUT — C — C — C —
LIMIT OF FILL — F — F — F —
REMOVED EXIST. UTILITIES — X — X —
ABANDON EXIST. UTILITIES — // G — //
HISTORICAL PROPERTY
WETLAND
CONDUIT (BURIED) — B — B — B —
CONDUIT (ON STRUCTURE) — S — S — S —
JUNCTION BOX — J

PROPOSED PIPE/CULVERT
EXISTING PIPE/CULVERT
EXISTING DROP INLET
UTILITY POLE
WETLAND BUFFER
STREAMS
HEDGE /TREE LINE
BUSH /TREE
CONIFEROUS TREE
EXISTING GROUND ELEVATION — DATUM LINE — 175.6
GRADE ELEVATION — DATUM LINE — 210.22
PROPOSED HYDRANT
PARKLAND
RARE, THREATENED OR ENDANGERED SPECIES
NOISE BARRIER
RETAINING WALL

GENERAL NOTES

1. THE LOCATION OF THE UNDERGROUND AND SURFACE UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 1–800–257–7777 48 HOURS PRIOR TO EXCAVATION FOR MARKING AND LOCATION OF UTILITIES.
2. THE CONTRACTOR AND OTHERS SHALL PERFORM ALL WORK IN A MANNER THAT WILL INSURE THE LEAST PRACTICABLE OBSTRUCTION TO TRAFFIC AND BE CONSISTENT WITH SAFETY.
3. ALL EXISTING UTILITY FRAMES, GRATES, AND INLETS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE.
4. PLANS CONFORM TO THE MARYLAND GRID SYSTEM (NAD 83 /91). ALL ELEVATIONS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY (N.G.S.) MEAN SEA LEVEL DATUM NAVD88.
5. ALL TEMPORARY SEEDING AREAS SHALL BE SHA TEMPORARY SEED MIX CONSISTING OF 95% BARLEY OR RYE, 5% FOXTAIL MILLET.
6. DAMAGED CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WITHIN FOUR HOURS AFTER THE CONTRACTOR IS NOTIFIED.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

INTERCOUNTY CONNECTOR
CONTRACT A

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301–354–8600

REVISIONS

GENERAL NOTES & ABBREVIATIONS

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960
DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC–NH–ICC–1(1)N
DRAWING NO. D1D2_RW_GN–01 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 02:15 PM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PGN-N001_ABBREVS-D1D2.DGN

BY: 34972

GENERAL NOTES

ACCESS

1. ACCESS TO PARKSIDE ESTATES SHALL BE MAINTAINED ALONG SHADY GROVE ROAD AT ALL TIMES.
2. THE SIDEWALK ALONG SHADY GROVE ROAD IN PARKSIDE ESTATES COMMUNITY AREA SHALL BE RETAINED FOR WALKERS AND BIKERS IN THE COMMUNITY.
3. ACCESS TO LOCAL ROADS SHALL BE MAINTAINED FOR BUSINESSES DURING CONSTRUCTION.
4. THE EXISTING NUMBER OF TRAFFIC LANES SHALL BE MAINTAINED, TO THE MAXIMUM EXTENT POSSIBLE, AND CONSTRUCTION SCHEDULES SHALL BE PLANNED IN A MANNER THAT WILL NOT CREATE TRAFFIC DISRUPTION AND INCREASE AIR POLLUTANTS. APPLICATION OF THESE MEASURES SHALL ENSURE THAT CONSTRUCTION IMPACT OF THE PROJECT WILL BE MINIMIZED.

PRE-CONSTRUCTION ACTIVITIES

1. INSPECTION NOTIFICATION: THE CONTRACTOR SHALL NOTIFY THE ADMINISTRATION WHO WILL NOTIFY MDE'S COMPLIANCE, SEDIMENT & STORMWATER AND DAM SAFETY DIVISIONS AT (410) 537-3510 AT LEAST FIVE(5) DAYS BEFORE STARTING ACTIVITIES AUTHORIZED BY THE NON-TIDAL WETLANDS AND WATERWAYS (NTWW) PERMIT AND FIVE (5) DAYS AFTER COMPLETION.
2. PRECONSTRUCTION MEETINGS: THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) DIVISION NON-TIDAL WETLANDS AND WATERWAYS (DIVISION) SHALL BE INVITED TO ATTEND A SCHEDULED PRE-CONSTRUCTION MEETING WITH THE POTENTIAL DESIGN-BUILD CONTRACTORS FOR EACH CONTRACT. AT THIS MEETING, THE DIVISION WILL PRESENT WATER QUALITY (WQ) CERTIFICATION AND THE NTWW PERMIT CONDITIONS AND ADDRESS THE CONTRACTOR'S QUESTIONS. FOLLOWING AWARD OF ANY DESIGN-BUILD CONTRACT RELATED TO THIS PERMIT, THE OWNER WILL SCHEDULE A MEETING WITH THE CONTRACTOR, SUBCONTRACTORS, STATE HIGHWAY ADMINISTRATION (SHA) STAFF, AND THE MDE TO DISCUSS REQUIREMENTS OF THE WQ CERTIFICATION AND NTWW PERMIT, COMPLIANCE MEASURES, DESIGN REVIEW AND COORDINATION, AND SCHEDULING. THE MDE SHALL BE NOTIFIED OF THIS MEETING A MINIMUM OF 14 DAYS PRIOR TO THE DATE OF THE MEETING. THIS MEETING MAY BE IN CONJUNCTION WITH A PARTNERING ACTIVITY OR OTHER REGULATORY AGENCY MEETING.
3. THE CONTRACTOR SHALL CONDUCT A PRE-WORK MEETING WITH SHA, USACE, AND MDE TO DISCUSS PERMIT CONDITIONS, COMPLIANCE MEASURES, DESIGN REVIEW AND COORDINATION, AND SCHEDULING.
4. THE CONTRACTOR SHALL NOTIFY SHA 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY STREAM DEWATERING OR OTHER IN-STREAM ACTIVITIES.
5. THE CONTRACTOR SHALL SUBMIT A LIST PRIOR TO THE START OF CONSTRUCTION AND EACH QUARTER DURING CONSTRUCTION OF THE OFF-ROAD DIESEL POWERED CONSTRUCTION EQUIPMENT WITH 60 HORSEPOWER OR GREATER WHICH SPECIFICALLY DEMONSTRATES AND DETAILS COMPLIANCE: THE LIST SHALL INCLUDE:
   A. THE EQUIPMENT NUMBER, TYPE, MAKE, AND CONTRACTOR/SUB-CONTRACTOR NAME;
   B. ANY EMISSION CONTROL DEVICE MAKE, MODEL AND EPA CERTIFICATION NUMBER; AND
   C. THE TYPE AND SOURCE OF FUEL TO BE USED.
6. THE PROPOSED PROJECT SHALL BE CONSTRUCTED IN A MANNER WHICH WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS AS SET FORTH IN COMAR 26.0802. THE APPLICANT IS TO NOTIFY THE ADMINISTRATION SO THEY CAN IN TURN NOTIFY THE DEPARTMENT TEN (10) DAYS PRIOR TO COMMENCING WORK. VERBAL NOTIFICATION IS TO BE FOLLOWED BY WRITTEN NOTICE WITHIN TEN (10) DAYS.

CONSTRUCTION ACTIVITIES

1. THE CONTRACTOR SHALL DEVELOP A MONITORING PLAN TO MINIMIZE ANY POTENTIAL BLASTING EFFECTS. THIS PLAN SHALL IDENTIFY THE BEST TECHNIQUES FOR USE DURING CONSTRUCTION, AS WELL AS MONITORING, PERMITS AND LICENSE REQUIREMENTS.
2. ALL FILL AND CONSTRUCTION MATERIALS NOT USED IN THE PROJECT SHALL BE REMOVED AND DISPOSED OF IN A MANNER WHICH WILL PREVENT THEIR ENTRY INTO WATERS OF THIS STATE.
3. UNLESS OTHERWISE SHOWN ON THE PERMIT DRAWINGS, ALL EXCESS FILL, SPOIL MATERIAL, DEBRIS, AND CONSTRUCTION MATERIAL SHALL BE DISPOSED OF OUTSIDE OF NON-TIDAL WETLANDS, NON-TIDAL WETLANDS BUFFERS, AND THE 100-YEAR FLOODPLAIN, AND IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NON-TIDAL WETLANDS.
4. CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED TO MINIMIZE NOISE EMISSIONS CAUSED BY INEFFICIENTLY TUNED ENGINES, POORLY LUBRICATED MOVING PARTS AND POOR-INEFFECTIVE MUFFLING/EXHAUST SYSTEMS.
5. THE CONTRACTOR SHALL PREPARE A PLAN DEMONSTRATING MEANS AND METHODS FOR COMPLIANCE WITH THE PERFORMANCE SPECIFICATION AIR QUALITY STRATEGIES IN 310 ENVIRONMENTAL SECTION 3.5 AIR QUALITY AND/OR PREPARE A SIMILAR PROGRAM FOR REVIEW BY THE ADMINISTRATION. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A DIESEL EMISSION REDUCTION PLAN FOR CONSTRUCTION PURPOSES. MOBILE SOURCE EMISSIONS CAN BE REDUCED DURING CONSTRUCTION BY USE OF RETROFITS-OXIDATION CATALYSTS ON EQUIPMENT AND NOT PERMITTING IDLING OF DELIVERY TRUCKS OR OTHER EQUIPMENT DURING LONG PERIODS OF TIME FOR UNLOADING.
6. NO STOCKPILING OR STORAGE OF EQUIPMENT, MATERIALS, OR STRUCTURAL STEEL; NO STAGING AREA; AND NO INSTALLATION OF ANCILLARY FACILITIES SUCH AS CONCRETE OR ASPHALT PLANTS OR CONSTRUCTION TRAILERS SHALL BE PERMITTED WITHIN ANY WETLAND, STREAM, STATE REGULATED WETLAND BUFFER, OR FLOODPLAIN. NO CONSTRUCTION MATERIALS, AGGREGATES, OR EARTH SHALL BE STOCKPILED OR STORED IN A MANNER THAT WOULD AFFECT WETLANDS OR STREAMS, AND SUCH STOCKPILES SHALL HAVE EROSION AND SEDIMENT CONTROLS APPROVED BY MDE.
7. NO CONCRETE TRUCKS SHALL BE WASHED OFF IN A MANNER THAT WOULD ALLOW THE CEMENT-LADEN WASH WATER TO ENTER A STREAM OR WETLAND.
8. PRIOR TO PERFORMING ANY WORK, THE DESIGN-BUILDER SHALL BE RESPONSIBLE FOR PERFORMING ALL TREE PRESERVATION MEASURES IN ACCORDANCE WITH SECTION 120-TREE PRESERVATION OFTHE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
9. THE DESIGN-BUILDER SHALL REQUEST A FIELD REVIEW WITH THE ADMINISTRATION AND PROVIDE THE ADMINISTRATION WITH JUSTIFICATION IF ADDTIONAL TREES ARE REQUESTED TO BE REMOVED.
10. DISPOSAL AREAS FOR EXCESS EXCAVATION SHALL NOT IMPACT WETLANDS, STREAMS, OR FLOODPLAINS WITHOUT PRIOR AUTHORIZATION FROM THE MDE AND USACE. THE CONTRACTOR SHALL TRACK THE DISPOSAL OF ALL EXCESS EXCAVATION TO ENSURE THAT THERE IS NO UNAUTHORIZED DISCHARGE OF FILL IN REGULATED WETLANDS, STREAMS, OR FLOODPLAINS. IF THE CONTRACTOR PROPOSES TO DISCHARGE FILL AT LOCATIONS OUTSIDE THE PERMITTED PROJECT LIMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED FEDERAL, STATE, AND LOCAL PERMITS HAVE BEEN ACQUIRED FOR THE DISPOSAL OPERATION. IF THE DISPOSAL OPERATION REQUIRES A MODIFICATION TO THIS PERMIT, A REQUEST FOR PERMIT MODIFICATION WILL BE SUBMITTED TO THE USACE, AT LEAST 30 DAYS IN ADVANCE OF THE CONTRACTOR'S TARGET DATE FOR DISPOSAL. SUCH REQUEST SHALL INCLUDE AN ALTERNATIVES ANALYSIS IF THE PROPOSED IMPACT TO REGULATED WETLANDS AND STREAMS IS MORE THAN MINIMAL. NO DISPOSAL MAY BEGIN UNTIL ANY NECESSARY USACE AUTHORIZATION [VIA THE ADMINISTRATION] HAS BEEN RECEIVED.

TEMPORARY WORK

1. TEMPORARY IMPACTS TO REGULATED WATERWAYS AND NON-TIDAL WETLANDS SHALL BE AVOIDED AND/OR MINIMIZED TO THE GREATEST EXTENT POSSIBLE.
2. RESTORATION OF REGULATED AREAS IMPACTED BY TEMPORARY CONSTRUCTION ACTIVITIES SHALL BE INCLUDED IN THE PROJECT DESIGN AND RELATED CONSTRUCTION DOCUMENTS, AND COORDINATED WITH THE ADMINISTRATION.
3. THE CONTRACTOR SHALL RESTORE TEMPORARY IMPACTS IN COMPLIANCE WITH PERFORMANCE SPECIFICATION 310, ENVIRONMENTAL PERFORMANCE SPECIFICATION SECTION 3.3.4.5. THE RESTORATION PLAN FOR THE TEMPORARY IMPACTS SHALL INCLUDE THE FOLLOWING ELEMENTS:
   A. REMOVAL OF ALL CONSTRUCTION AND TEMPORARY FILL MATERIAL;
   B. DE-CONSOLIDATION AND/OR SCARIFICATION OF COMPACTED SOILS;
   C. REPLACEMENT OF TOPSOIL AND/OR ORGANIC MATTER LOST TO EROSION AND SEDIMENT CONTROL MEASURES;
   D. RE-ESTABLISHMENT OF GRADES TO PRECONSTRUCTION CONDITIONS;
   E. REMOVAL OF TEMPORARY STREAM CROSSINGS;
   F. RESTORATION OF STREAM BANKS WITH WOODY VEGETATION AS SPECIFIED IN PLANTING AND LANDSCAPE ARCHITECTURAL PERFORMANCE SPECIFICATION AND DRAINAGE PERFORMANCE SPECIFICATION;
   G. AVOID DISTURBANCE TO RIPARIAN VEGETATION, PARTICULARLY WITHIN 30 FEET OF STREAM BANKS; AND
   H. REPLANT ANY AREA WITHIN 30 FEET OF A STREAM BANK THAT WAS DISTURBED TEMPORARILY, AND THAT WAS VEGETATED PRE-CONSTRUCTION, WITH NATIVE VEGETATION SIMILAR TO PRE-CONSTRUCTION SPECIES COMPOSITION, WITH THE EXCEPTION OF UNDERGROUND UTILITY CORRIDORS. REFER TO PLANTING AND LANDSCAPE ARCHITECTURAL PERFORMANCE SPECIFICATION FOR DETAILS.
4. REMEDIATION EFFORTS OF TEMPORARY IMPACTS SHALL BE IMPLEMENTED BY THE CONTRACTOR IF DEEMED NECESSARY AFTER THREE YEARS BY SHA. THE CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE FOR THE LOST RESOURCE IF REMEDIATION DOES NOT PROVE SUCCESSFUL ONE YEAR AFTER THE REMEDIATION EFFORTS ARE IMPLEMENTED.
5. TEMPORARY CONSTRUCTION IMPACTS TO STREAM CHANNELS AND OTHER SENSITIVE RESOURCES SHALL BE MINIMIZED BY USING EQUIPMENT FITTED WITH LOW-PRESSURE TIRES OR TRACKS IN STREAMS AND WETLANDS AND OTHER SENSITIVE AREAS. THE CONTRACTOR SHALL NOT OPERATE HEAVY EQUIPMENT IN A MANNER THAT WILL DAMAGE UN-PERMITTED NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
6. TEMPORARY CONSTRUCTION IMPACTS TO STREAM CHANNELS AND OTHER SENSITIVE RESOURCES SHALL BE MINIMIZED BY LOCATING CONSTRUCTION ACCESS ROADS THAT AVOID STREAMS AND WETLANDS WHEREVER POSSIBLE AND BY IMPLEMENTATION OF TIMBER MATTING AND GEOTEXTILES. THE TEMPORARY BRIDGE STRUCTURES FOR CONSTRUCTION OF ACCESS ROADS THROUGH WETLANDS AND STREAMS THAT ARE NOT PERMITTED SHALL BE USED WHEN COMPLETE AVOIDANCE IS NOT POSSIBLE.
7. TEMPORARY CONSTRUCTION IMPACTS TO STREAM CHANNELS AND OTHER SENSITIVE RESOURCES SHALL BE MINIMIZED BY STRINGENT USE AND MAINTENANCE OF STATE OF THE ART SEDIMENT AND EROSION CONTROL MEASURES DURING CONSTRUCTION THAT IN MANY CASES EXCEED MDE REGULATIONS.
8. ANY TEMPORARY CROSSINGS OF WETLANDS (I.E., CROSSINGS THAT WILL NOT REMAIN PERMANENTLY), SUCH AS WETLAND CROSSINGS REQUIRED FOR TEMPORARY HAUL ROADS, TEMPORARY ACCESS ROADS, AND UTILITY INSTALLATIONS, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL ACHIEVE THE FOLLOWING OBJECTIVES: WHERE TEMPORARY AGGREGATE IS PLACED IN A WETLAND, THE OBJECTIVE IS TO ENSURE THAT THE AGGREGATE DOES NOT BECOME EMBEDDED IN THE SOIL AND CAN BE COMPLETELY REMOVED WHEN THE TEMPORARY ROAD IS NO LONGER NEEDED. A PHYSICAL SEPARATION OF THE EXISTING WETLAND SOIL AND THE DISCHARGED AGGREGATE SHALL BE PROVIDED, IN ACCORDANCE WITH MDE REQUIREMENTS. THE DISCHARGE OF AGGREGATES CAN BE AVOIDED ALTOGETHER BY USING TIMBER MATS WHERE THE SOIL IS TOO WET OR TOO SOFT TO SUPPORT CONSTRUCTION EQUIPMENT.
9. ANY TEMPORARY CROSSINGS OF WETLANDS (I.E., CROSSINGS THAT WILL NOT REMAIN PERMANENTLY), SUCH AS WETLAND CROSSINGS REQUIRED FOR TEMPORARY HAUL ROADS, TEMPORARY ACCESS ROADS, AND UTILITY INSTALLATIONS, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL ACHIEVE THE FOLLOWING OBJECTIVES: WHEN THE TEMPORARY CROSSING IS LOCATED WHERE IT COULD BE SUBJECTED TO FLOOD FLOWS, ANY TEMPORARY EARTHEN ROAD MATERIAL SHALL BE STABILIZED, AND ANY OTHER APPROPRIATE MEASURES TAKEN CONSISTENT WITH MDE REQUIREMENTS, TO ENSURE THE ROAD WILL WITHSTAND EXPECTED FLOOD FLOWS AND BE CONTROLLED TO PREVENT ANY EROSION INTO WETLANDS AND STREAMS.
10. ANY TEMPORARY CROSSINGS OF WETLANDS (I.E., CROSSINGS THAT WILL NOT REMAIN PERMANENTLY), SUCH AS WETLAND CROSSINGS REQUIRED FOR TEMPORARY HAUL ROADS, TEMPORARY ACCESS ROADS, AND UTILITY INSTALLATIONS, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL ACHIEVE THE FOLLOWING OBJECTIVES: WHEN THE TEMPORARY CROSSING IS NO LONGER NEEDED, THE OBJECTIVE IS TO RESTORE ANY IMPACTED WETLANDS TO A FUNCTIONING WETLAND CONSISTENT WITH THE CORPS' 1987 WETLAND DELINEATION MANUAL. THE TEMPORARY FILL MATERIAL SHALL BE REMOVED, THE COMPACTED TOPSOIL SHALL BE SCARIFIED, THE WETLAND PLANTED WITH NATIVE PLANTINGS OR RESEEDED WITH A WETLAND SEED MIX, AND ANY EXPOSED SOIL SHALL BE MULCHED. THE CONTRACTOR SHALL ENSURE THAT SUFFICIENT WETLAND HYDROLOGY IS RE-ESTABLISHED.
11. CONSTRUCTION WORK WITHIN STREAM CHANNELS SHALL DEPLOY A STREAM DIVERSION DEVICE TO LIMIT TURBIDITY-INCREASES. EARTHEN MATERIALS SHALL NOT BE USED IN THE DEPLOYMENT OF TEMPORARY STREAM DIVERSIONS, STREAM CROSSINGS, OR COFFERDAMS, DUE TO THE POTENTIAL FOR WASHOUT DURING STORM EVENTS. ANY TEMPORARY STREAM CROSSINGS SHALL BE COMPLETELY REMOVED WHEN NO LONGER NEEDED AND THE STREAM BANKS RESTORED BY PLANTING NATIVE WOODY VEGETATION.
12. TEMPORARY IMPACTS TO STREAMS: PROPOSED TEMPORARY STREAM CROSSINGS FOR CONSTRUCTION ACCESS TO BE IN PLACE LESS THAN ONE YEAR SHALL BE DESIGNED TO PASS THE TWO-YEAR STORM EVENT. CROSSINGS TO BE IN PLACE BETWEEN ONE AND TWO YEARS SHALL BE DESIGNED TO PASS THE FIVE-YEAR STORM EVENT. ALL TEMPORARY CROSSINGS MUST BE DESIGNED TO REMAIN STABLE IN CASE OF OVERTOPPING. IF CONSTRUCTION CONSTRAINTS MAKE THESE REQUIREMENTS IMPRACTICAL, THE DESIGN SUBMITTAL SHALL INCLUDE DETAILED INFORMATION SHOWING PROVISIONS TO PREVENT DEGRADATION TO WATER QUALITY DURING PERIODS OF OVERTOPPING, INCLUDING PROVISIONS TO SECURE ALL DEVICES TO PREVENT MOVEMENT DOWNSTREAM.
13. NO MATERIALS, EQUIPMENT, DEBRIS, OR EXCAVATED SOILS SHALL BE KEPT WITHIN THE 100-YEAR FLOODPLAIN WITHOUT SPECIFIC APPROVAL FROM THE MDE. PROPOSED MAINTENANCE OF STREAM FLOW FOR CONSTRUCTION ACTIVITIES SHALL ALSO BE SUBMITTED TO THE MDE FOR APPROVAL, AND WILL REQUIRE A DESIGN REPORT INDICATING THE FLOWS TO BE HANDLED, AND PROVISIONS FOR WHEN FLOWS EXCEED CAPACITY. IN NO CASE MAY A TEMPORARY STREAM CROSSING OR MAINTENANCE OF STREAM FLOW TECHNIQUE RESULT IN AN INCREASED RISK OF FLOODING TO ADJACENT PROPERTY OWNERS WITHOUT THEIR WRITTEN CONSENT. DESIGN SUBMITTALS FOR TEMPORARY STREAM IMPACTS SHALL INCLUDE DETAILED PLANS FOR RESTORATION, STABILIZATION, AND LANDSCAPING OF THE CHANNEL AND FLOODPLAIN AREA.
14. TEMPORARY IMPACTS TO WETLANDS: THE CONTRACTOR SHALL DEVELOP PLANS FOR APPROVAL BY THE MDE DETAILING PROPOSED METHODS TO MINIMIZE DEGRADATION (INCLUDING COMPACTION, ALTERATION OF HYDROLOGY, RELEASE OF CONTAMINANTS, ETC.) OF TEMPORARILY IMPACTED NON-TIDAL WETLANDS AND NON-TIDAL WETLAND BUFFERS PRIOR TO INITIATION OF WORK IN THESE AREAS. PLANS SHALL INCLUDE A DETAILED ASSESSMENT OF PRE-IMPACT CONDITIONS; AN ANALYSIS OF THE HYDROLOGIC CONDITIONS SUPPORTING THE WETLAND; MEASURES TO RESTORE HYDROLOGY TO PRE-IMPACT CONDITIONS; MEASURES TO MITIGATE COMPACTION; AND RESTORATION PLANS, INCLUDING LANDSCAPING WITH APPROPRIATE SPECIES. NO MATERIALS, EQUIPMENT, DEBRIS, OR EXCAVATED SOILS WILL BE STOCKPILED OR STORED WITHIN TEMPORARILY IMPACTED WETLANDS OR REGULATED BUFFERS.
15. TEMPORARY STAGING AREAS: TEMPORARY CONSTRUCTION TRAILERS OR STRUCTURES, STAGING AREAS AND STOCKPILES SHALL NOT BE LOCATED WITHIN NON-TIDAL WETLANDS, NON-TIDAL WETLANDS BUFFERS, OR THE 100-YEAR FLOODPLAIN UNLESS SPECIFICALLY APPROVED BY THE ADMINISTRATION [MDE].
16. TEMPORARY STREAM ACCESS CROSSINGS: TEMPORARY STREAM ACCESS CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED UNLESS SHOWN ON THE PERMIT DRAWINGS. IF TEMPORARY STREAM ACCESS CROSSINGS ARE DETERMINED NECESSARY PRIOR TO INITIATION OF WORK OR AT ANY TIME DURING CONSTRUCTION, THE CONTRACTOR, ITS EMPLOYEES, AGENTS OR SUBCONTRACTORS SHALL SUBMIT A WRITTEN REQUEST TO THE ADMINISTRATION [MDE] AND SECURE THE NECESSARY PERMITS OR APPROVALS FOR SUCH CROSSINGS BEFORE INSTALLATION OF THE CROSSINGS. TEMPORARY STREAM ACCESS CROSSINGS SHALL BE REMOVED AND THE DISTURBANCE STABILIZED PRIOR TO COMPLETION OF AUTHORIZED ACTIVITIES OR WITHIN ONE (1) YEAR OF INSTALLATION.
17. THE CONTRACTOR SHALL MAKE POST CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS AFTER CONSTRUCTION HAS BEEN COMPLETED.
18. IN TEMPORARY AND CONVERTED WETLANDS AREAS, VEGETATION MAY BE CLEARED BUT SHALL NOT BE GRUBBED EXCEPT FOR AREAS EXCAVATED FOR BRIDGE PIERS.

AVOIDANCE AND MINIMIZATION OF IMPACTS

1. THE CONTRACTOR SHALL UNDERTAKE ALL ACTIVITIES IN A WAY TO MINIMIZE CONSTRUCTION IMPACTS THAT MAY INITIATE FURTHER CHANNEL EROSION, IN STREAM SEDIMENTATION, AND DOWNSTREAM SEDIMENTATION IN LAKE FRANK.
2. THERE WILL BE NO GRUBBING OF VEGETATION THAT GROWS BENEATH THE PROPOSED BRIDGES OVER ROCK CREEK AND NORTH BRANCH ROCK CREEK EXCEPT THE MINIMUM NEEDED TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS, HAUL ROADS, SLOPE PROTECTION, AND UTILITIES.
3. IMPACTS TO INTERIOR FOREST HABITAT AND THEIR BUFFERS SHOULD BE AVOIDED DURING CONSTRUCTION, WHEN POSSIBLE, FROM APRIL 1ST TO AUGUST 31ST, WHICH IS THE BREEDING SEASON FOR MOST FOREST INTERIOR DWELLING SPECIES (FIDS).
4. ENVIRONMENTALLY SENSITIVE CONSTRUCTION TECHNIQUES SHALL BE IMPLEMENTED AS PART OF FURTHER DESIGN EFFORTS TO AID IN THE ONGOING MINIMIZATION OF IMPACTS TO NATURAL, CULTURAL, AND SOCIOECONOMIC RESOURCES.
5. CHAMPION AND SPECIMEN TREES HAVE BEEN IDENTIFIED WITHIN THE PROJECT STUDY AREA. THE CONTRACTOR WILL COORDINATE WITH THE ADMINISTRATION TO IDENTIFY AND PROVIDE A BUFFER FOR ANY SUCH TREE OUTSIDE OF THE AREA TO BE CLEARED TO AVOID ITS REMOVAL DURING CLEARING AND GRUBBING ACTIVITIES IN ACCORDANCE WITH SECTION 120 – TREE PRESERVATION OF THE STANDARDS SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS. THE CONTRACTOR SHALL AVOID AS MANY SPECIMEN TREES AS POSSIBLE WITHOUT AFFECTING RESOURCES WITH EQUAL OR GREATERREGULATORY PROTECTION. AS THE DESIGN ADVANCES, IT MAY BE FOUND THAT SPECIMEN TREES ARE LOCATED NEAR THE OUTER EDGE OF THE REQUIRED LOD/ROW OR JUST OUTSIDE THE LOD/ROW. IF THIS CONDITION EXISTS, THE CONTRACTOR SHALL COORDINATE WITH THE ADMINISTRATION TO MARK AND PROVIDE A BUFFER FOR ANY SUCH TREE TO AVOID ITS REMOVAL DURING CLEARING AND GRUBBING ACTIVITIES.
6. TO THE EXTENT PRACTICABLE, THE CONTRACTOR SHALL FURTHER AVOID AND MINIMIZE IMPACTS TO JURISDICTIONAL WETLANDS, STREAMS, FOREST, AND PARKLAND IN THE DEVELOPMENT OF FINAL DESIGN PLANS AND DURING CONSTRUCTION. THE PERMIT CONVEYS AUTHORIZATION TO IMPACT WETLANDS AND STREAMS WITHIN THE LIMIT OF DISTURBANCE AS SHOWN ON THE PERMIT DRAWINGS, TITLED "ICC CORRIDOR 1" DATED 1 MAY 2006, BY SHA, WITH THE CAVEAT THAT TEMPORARY AND PERMANENT STREAM IMPACTS ARE LIMITED TO NO MORE THAN 25 FEET FROM THE ENDS OF CULVERTS AND RIP-RAPPED PIPE OUTLETS. (SEE SPECIAL CONDITION #17 OF THE NTWW PERMIT).
7. AVOIDANCE AND MINIMIZATION: THIS NTWW PERMIT CONVEYS AUTHORIZATION TO IMPACT WETLANDS, WETLAND BUFFERS, WATERS, AND THE REGULATED FLOODPLAIN WITHIN THE LIMIT OF DISTURBANCE AS SHOWN ON THE PERMIT DRAWINGS TITLED "ICC CORRIDOR 1" DATED 1 MAY 2006. AVOIDANCE AND MINIMIZATION OF IMPACTS TO THESE REGULATED RESOURCES SHALL BE EMPHASIZED THROUGHOUT THE REMAINDER OF THE DESIGN AND CONSTRUCTION PROCESS (SEE SPECIAL CONDITION #17 OF THE NTWW PERMIT)."
8. EVERY EFFORT SHALL BE MADE TO AVOID DISTURBANCE TO RIPARIAN VEGETATION, PARTICULARLY WITHIN 30 FEET OF STREAM BANKS. ANY PRE-EXISTING VEGETATION THAT IS GRUBBED WITHIN A TEMPORARILY-DISTURBED AREA WITHIN 30 FEET OF A STREAM BANK, WILL BE REPLANTED WITH NATIVE RIPARIAN VEGETATION AFTER THE REMOVAL OF THE TEMPORARY DISTURBANCE, WITH THE EXCEPTION OF UTILITY CORRIDORS.
9. THE DISTURBANCE TO THE BOTTOM OF WATERWAYS AND SEDIMENT TRANSPORT INTO STATE WATERS SHALL BE MINIMIZED. SHA SHALL OBTAIN AND CERTIFY COMPLIANCE WITH GRADING AND SEDIMENT CONTROL PLANS WHICH HAVE BEEN APPROVED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION.
10. DISCHARGE: RUNOFF OR ACCUMULATED WATER CONTAINING SEDIMENT OR OTHER SUSPENDED MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE UNLESS TREATED BY AN APPROVED SEDIMENT CONTROL DEVICE OR STRUCTURE.
11. DISTURBANCE OF STREAM CHANNELS: MOTOR DRIVEN CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE STREAM CHANNEL UNLESS SHOWN ON THE NTWW PERMIT DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE ADMINISTRATION AND MDE.
12. MINIMUM DISTURBANCE: ANY DISTURBANCE OF STREAM BANKS, CHANNEL BOTTOM, NON-TIDAL WETLANDS, AND NON-TIDAL WETLANDS BUFFER AUTHORIZED BY THE NTWW PERMIT SHALL BE THE MINIMUM NECESSARY TO CONDUCT PERMITTED ACTIVITIES. ALL DISTURBED AREAS SHALL BE VEGETATIVELY STABILIZED NO LATER THAN SEVEN (7) DAYS AFTER CONSTRUCTION IS COMPLETED OR IN ACCORDANCE WITH APPROVED EROSION AND SEDIMENT CONTROL PLAN(S).
13. REGULATED IMPACTS – PLAN SUBMITTAL: PRIOR TO ANY DISTURBANCE TO A STATE REGULATED NON-TIDAL WETLAND, NON-TIDAL WETLAND BUFFER, OR NON-TIDAL WATERWAY, INCLUDING THE REGULATED 100-YEAR FLOODPLAIN, DETAILED PLAN SUBMITTALS FOR THE PROPOSED IMPACTS MUST BE SUBMITTED TO AND APPROVED BY THE MDE

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

GENERAL NOTES

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_RW_GN-02 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 02:10 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PGN-N002_GEN_NOTES-D1D2.DGN

BY: C0036708

GENERAL NOTES

WATER QUALITY

1. THE ICC HAS BEEN DESIGNED TO MEET MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SPA STORMWATER CRITERIA FOR WATER QUALITY PLANS WITHIN SPAS.
2. THE ICC HAS BEEN DESIGNED TO INCORPORATE A COMBINATION OF FILTRATION, AND INFILTRATION WITHIN SPAS AND MEASURES DESCRIBED IN MDE'S 2000 MARYLAND STORMWATER DESIGN MANUAL TO ADDRESS WATER QUALITY.
3. CONSTRUCTION OF THE ICC SHALL INCLUDE EROSION AND SEDIMENT CONTROLS, INCLUDING RUNOFF FILTERS (SILT FENCES, SUPER SILT FENCES, AND INLET PROTECTION DEVICES), WATER HANDLING DEVICES (EARTH DIKES, TEMPORARY SWALES, AND STORM DRAIN DIVERSIONS), SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS AND BASINS), DEWATERING DEVICES (SUMP PITS, SEDIMENT TANKS AND REMOVABLE PUMPING STATIONS), AND OTHER BMPS AS APPROPRIATE.
4. IN ROADWAY SECTIONS, EXCEPT WITHIN SPECIAL PROTECTION AREAS (SPAS), WATER QUALITY CONTROL SHALL BE PROVIDED THROUGH THE USE OF OPEN SWALES AND GRASS CHANNEL CREDITS AS ALLOWED IN THE 2000 MARYLAND STORMWATER DESIGN MANUAL.
5. THE CONTRACTOR SHALL UNDERTAKE ALL ACTIVITIES IN A WAY TO PROTECT ALL INFILTRATION AREAS DURING CONSTRUCTION THROUGH COMPLIANCE WITH MDE REGULATIONS.
6. PROPER SLOPE AND SOIL STABILIZATION TECHNIQUES SHALL BE USED IN COMPLIANCE WITH MDE REGULATIONS TO PREVENT SOIL EROSION FROM WORK AREAS AND TRANSPORT INTO NEARBY WATERWAYS (BOTH DURING AND AFTER CONSTRUCTION).
7. BEST MANAGEMENT PRACTICES (BMPS) SHALL BE IMPLEMENTED, IN ACCORDANCE WITH MDE GUIDELINES, AS THE PRIMARY AVOIDANCE AND MINIMIZATION MEASURE TO REDUCE THE INDIRECT IMPACTS OF INCREASED IMPERVIOUSNESS.
8. EXCEPT AS SHOWN ON THE ATTACHED PERMIT DRAWINGS, NO STORMWATER MANAGEMENT POND OR EROSION AND SEDIMENT CONTROL BASIN SHALL BE CONSTRUCTED IN ANY WETLAND. WHERE THE DRAWINGS SHOW A RIGHT-OF-WAY BUMP-OUT FOR A STORMWATER MANAGEMENT POND OR EROSION AND SEDIMENT CONTROL BASIN IN THE VICINITY OF A STREAM, THE POND OR BASIN SHALL BE CONSTRUCTED IN A MANNER THAT DOES NOT IMPACT THE STREAM. FOR ANY STORMWATER MANAGEMENT POND CONSTRUCTED IN THE VICINITY OF A STREAM, THE POND SHALL BE LOCATED A SUFFICIENT DISTANCE FROM THE STREAM TO MAINTAIN A 15-FOOT WIDE CLEARED AREA BEYOND THE TOE OF ANY BERMS SURROUNDING THE POND, PLUS AN ADDITIONAL 30-FOOT WIDE, OR LARGER, VEGETATED BUFFER ALONG THE STREAM. STORMWATER POND OUTFALLS MAY BE CONSTRUCTED ACROSS THE 30-FOOT VEGETATED BUFFER AREA.
9. THE CONTRACTOR WILL UTILIZE SHA'S NEW EROSION AND SEDIMENT CONTROL PROGRAM ON THIS PROJECT. THIS NEW PROGRAM INCORPORATES THE FOLLOWING FEATURES:
   A. AN INCENTIVE/DISINCENTIVE PROGRAM TO ENCOURAGE COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN.
   B. THIS PROGRAM WILL INVOLVE RANDOM, SURPRISE INSPECTIONS OF THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL DEVICES.
   C. PERIODIC INCENTIVES WILL BE PROVIDED FOR MAINTAINING AN AVERAGE RATING OF 85 WITH NO D OR F RATINGS.
   D. A RATING OF D OR F WILL RESULT IN SHUTDOWN OF ALL EARTHWORK ACTIVITIES EXCEPT EROSION AND SEDIMENT CONTROL MAINTENANCE, AND WILL RESULT IN ASSESSMENT OF A FINANCIAL PENALTY ON THE CONTRACTOR.
   E. THE CONTRACTOR WILL HAVE 72 HOURS TO UPGRADE HIS SEDIMENT CONTROL IF A C RATING IS REPORTED.
   F. FAILURE TO UPGRADE TO A B RATING WITHIN 72 HOURS WILL RESULT IN A D RATING, REQUIRING SHUTDOWN OF ALL EARTHWORK ACTIVITIES EXCEPT EROSION AND SEDIMENT CONTROL MAINTENANCE.
   G. RATINGS OF C AND LOWER WILL BE REPORTED TO THE PRINCIPALS OF THE CONTRACTING COMPANY.
   H. TWO F RATINGS WILL RESULT IN DISMISSAL OF THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL MANAGER AND CONSTRUCTION MANAGER FOR A PERIOD OF 6 MONTHS.
   I. BOTH POSITIONS MUST BE FILLED BY PEOPLE WHO HAVE RECEIVED SHA CERTIFICATION IN EROSION AND SEDIMENT CONTROL.
10. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED DURING WEEKENDS AND HOLIDAYS.
11. NO FLOCCULANTS SHALL BE USED IN SEDIMENT PONDS UNTIL THE HEALTH EFFECTS OF SUCH FLOCCULANTS ON AQUATIC AND TERRESTRIAL FAUNA HAVE BEEN DETERMINED BY THE CONTRACTOR, AND APPROVED FOR USE BY MDE.
12. BEST MANAGEMENT PRACTICES: THE PROVISIONS CONTAINED IN THE PS 310 ENVIRONMENTAL PERFORMANCE SPECIFICATION SECTION 3.3.4.2 SHALL BE FOLLOWED.
13. SUPER SILT FENCE SHALL BE EMPLOYED NEAR STREAMS AND WETLANDS. EROSION AND SEDIMENT CONTROLS SHALL BE APPLIED TO HAUL ROADS AND CONSTRUCTION ACCESS ROADS, IN ACCORDANCE WITH MDE REQUIREMENTS.
14. THE CONTRACTOR SHALL NOT DISCHARGE OR ALLOW THE RELEASE OF ANY SEDIMENT LADEN CONSTRUCTION WATER UNLESS PROPERLY TREATED.
15. IF CONSTRUCTION DISCHARGES EXCEED WATER QUALITY STANDARDS IDENTIFIED IN COMAR, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ADMINISTRATION AND RESOLVE ANY PROJECT RELATED DEFICIENCIES WITHIN 24 HOURS.
16. COMPLY WITH ALL WATER QUALITY STANDARDS STATED IN THE COMAR FOR THE PROTECTION OF AQUATIC BIOTA.
17. THE CONTRACTOR SHALL REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NON-TIDAL WETLANDS, NON-TIDAL WETLAND BUFFERS, OR WATERWAYS, OR PERMANENT MODIFICATION OF THE 100-YEAR FLOODPLAIN IN EXCESS OF THAT LOST UNDER THE ORIGINALLY PERMITTED STRUCTURE OR FILL.
18. THE CONTRACTOR SHALL USE THE FOLLOWING SPECIES FOR ALL STABILIZATION IN THE NON-TIDAL WETLAND AND NON-TIDAL WETLAND BUFFER: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (UNIOLA SP.), AND/OR RYE (SECALE CEREALE). AREAS SHALL BE SEEDED AND MULCHED TO CONTROL EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
19. SHA SHALL BE IMMEDIATELY NOTIFIED OF INADVERTENT IMPACTS TO WETLANDS OR WATERWAYS FOR WHICH ACTIVITIES ARE NOT PERMITTED. AREAS SHALL BE IMMEDIATELY RESTORED TO THE FULL SATISFACTION OF SHA.
20. THE CONTRACTOR SHALL RESTORE ANY NON-TIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, OR 100-YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION TO THE FULL SATISFACTION OF SHA, REGULATORY AGENCIES, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE USACE PERMIT.

REFORESTATION

1. BEFORE REFORESTATION IS APPROVED BY THE DNR, EVERY REASONABLE EFFORT SHALL BE MADE BY THE CONTRACTOR TO MINIMIZE THE CUTTING OR CLEARING OF TREES.
2. THERE ARE TWO RECENTLY CONSTRUCTED REFORESTATION AREAS WITHIN THE I-370 / SHADY GROVE ROAD INTERCHANGE (SOUTHWEST QUADRANT). THE CONTRACTOR SHALL IMPLEMENT MEASURES TO PROTECT THESE NEW PLANTING AREAS.
3. THE CONTRACTOR SHALL REQUEST A FIELD REVIEW WITH THE ADMINISTRATION AND PROVIDE THE ADMINISTRATION WITH JUSTIFICATION IF ADDITIONAL TREES ARE REQUESTED TO BE REMOVED.
4. PRIOR TO PERFORMING ANY WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL TREE PRESERVATION MEASURES IN ACCORDANCE WITH SECTION 120 – TREE PRESERVATION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.

WILDLIFE

1. FACILITIES WITHIN USE III AND IV WATERSHEDS HAVE BEEN DESIGNED TO BE TEMPERATURE SENSITIVE AND PROMOTE INFILTRATION TO MAXIMIZE GROUNDWATER RECHARGE TO PROTECT BROWN TROUT AND OTHER TEMPERATURE SENSITIVE SPECIES.
2. ICC HAS BEEN DESIGNED AND SHALL BE CONSTRUCTED SUCH THAT WILDLIFE CORRIDORS WILL BE MAINTAINED BETWEEN FORESTED AREAS WHERE PRACTICABLE.
3. IN THE CASES WHERE HIKER/BIKER PATHS ENCOUNTER FENCING, SPRING GATES OR SIMILAR FEATURES MAY BE CONSIDERED TO PREVENT DEER FROM ACCESSING ROADSIDE AREAS.
4. TO REDUCE FISH MORTALITY, THE CONTRACTOR SHALL RELOCATE FISH PRIOR TO DEWATERING WORK AREAS, AND RELEASE THE FISH DOWNSTREAM. FISH RELOCATION SHALL INCLUDE AT LEAST TWO PASSES WITH A NET AND/OR AN ELECTROFISHING UNIT OF THE DEWATERED WORK AREA. FISH SCREENING OVER THE PUMP INTAKE SHALL BE USED TO PREVENT UPTAKE OF AQUATIC BIOTA DURING DEWATERING. FISH RELOCATED BY ELECTROFISHING SHALL BE COLLECTED IN BUCKETS AND ALLOWED TO REGAIN CONSCIOUSNESS BEFORE BEING RETURNED TO THE STREAM. ALL FISH SHALL BE RELEASED DOWNSTREAM OF THE WORK AREA.
5. THE CONTRACTOR SHALL PROVIDE TO THE ADMINISTRATION DOCUMENTATION IN THE FORM OF A MEMORANDUM WITHIN ONE WEEK OF THE WORK DETAILING THE FISH RELOCATION ACTIVITIES.
6. THE CONTRACTOR SHOULD AVOID DISTURBANCE TO THE SEASONAL POOL HABITAT FOR POOL BREEDING AMPHIBIANS BETWEEN APRIL 1 AND JUNE 30 OF ANY YEAR AT THE FOLLOWING LOCATIONS:
   A. STATION 1135+48 (OLD STATION 170+00) TO STATION 1140+48 (OLD STATION 175+00);
   B. STATION 1170+60 (OLD STATION 205+00) TO STATION 1177+56 (OLD STATION 212+00);
   C. STATION 1240+54 (OLD STATION 275+00) TO STATION 1245+54 (OLD STATION 280+00); AND
   D. STATION 1280+54 (OLD STATION 315+00) TO STATION 1310+90 (OLD STATION 330+00).

HAZARDOUS MATERIALS

1. IF THE HAZARDOUS MATERIALS SITES IDENTIFIED IN THE FEIS CANNOT BE AVOIDED, THE CONTRACTOR SHALL COMPLETE REMEDIATION IN ACCORDANCE WITH MDE REQUIREMENTS.
2. THE CONTRACTOR SHALL PREPARE AND IMPLEMENT A PLAN FOR MANAGEMENT AND DISPOSAL OF CONTROLLED HAZARDOUS MATERIALS AND CONTAMINATED SOIL AND GROUNDWATER THAT MAY BE ENCOUNTERED DURING STRUCTURE DEMOLITION, LAND CLEARING, OR EXCAVATION ACTIVITIES.

OTHER

1. WHERE UTILITY LINES PASS THROUGH OR ALONG THE BOUNDARIES OF WETLAND AREAS, MEASURES SHALL BE TAKEN TO PREVENT THE POROUS BEDDING AND BACKFILL MATERIAL FROM ACTING AS A FRENCH DRAIN THAT WOULD DRAIN THE WETLAND.
2. THE CONTRACTOR SHALL PAY CAREFUL ATTENTION TO ANY CUT SLOPES OR DITCHING ADJACENT TO WETLANDS THAT ARE TO REMAIN. THE OBJECTIVE IS TO ENSURE THAT THE CUT FACE DOES NOT RESULT IN THE DRAINING OF THE WETLAND. AN EXAMPLE OF AN APPROPRIATE MEASURE FOR PREVENTING A WETLAND FROM BEING DRAINED IN SUCH CIRCUMSTANCES IS TO CONSTRUCT A BENTONITE-FILLED TRENCH ALONG THE TOP OF CUT, AND AT A MINIMUM ALONG THE EXTENT OF THE WETLAND.
3. IF THE CONTRACTOR DISCOVERS ANY PREVIOUSLY UNKNOWN HISTORIC OR ARCHEOLOGICAL REMAINS WHILE ACCOMPLISHING THE ACTIVITY AUTHORIZED BY THIS PERMIT, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ADMINISTRATION OF THE FINDING. THE ADMINISTRATION WILL IMMEDIATELY NOTIFY THE USACE. THE CONTRACTOR SHALL CONSULT WITH THE ADMINISTRATION IF THERE IS UNCERTAINTY WHETHER UNCOVERED ITEMS OR FEATURES ARE ARCHEOLOGICALLY SIGNIFICANT.
4. THE CONTRACTOR SHALL NOT USE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, THE CONTRACTOR SHALL USE CLEAN MATERIALS THAT ARE FREE OF WASTE METAL PRODUCTS, DEBRIS, TOXIC MATERIAL, ASPHALT, OR ANY OTHER DELETERIOUS SUBSTANCE.
5. THE TOPOGRAPHY AND HYDROLOGY CONNECTIONS SHALL REMAIN THE SAME AS OR BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
6. ANY EVIDENCE OF HUMAN SKELETAL MATERIAL OR BURIALS SHALL REQUIRE CONSTRUCTION TO STOP. THE OCCURRENCE SHALL BE REPORTED IMMEDIATELY TO SHA.
7. PAVEMENT SHALL BE REGULARLY CLEANED WHERE TRUCKS ENTER AND LEAVE THE PROJECT.
8. THE CONTRACTOR SHALL IMPLEMENT MEANS TO REDUCE TRACKING OF SEDIMENT.
9. THE CONTRACTOR SHALL ALSO ALLAY DUST WITHIN THE PROJECT LIMITS. DUST CONTROL MEASURES SHALL BE APPLIED AT ANY PORTION OF THE PROJECT WITH DRY EXPOSED SOILS THAT MAY BE EXPOSED TO WIND OR VEHICULAR TRAFFIC. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS AND PERMIT REQUIREMENTS GOVERNING DUST CONTROL DURING CONSTRUCTION.

OPERATIONS

1. THE OWNER IS ADVISED OF THE FOLLOWING:
   A. IN THE EVENT OF A CHEMICAL SPILL, STORM DRAINS WILL NEED TO BE BLOCKED FOR CONTAINMENT PURPOSES AND EMERGENCY RESPONSE CLEAN-UP BEFORE OR DURING FIRE FIGHTING TO PREVENT LARGE AMOUNTS OF CONTAMINATED WATER FROM ENTERING THE LARGER SWM FACILITIES.
   B. ANY CHEMICAL SPILLS ALONG THE ICC MAY LIKELY CONCENTRATE IN ROADSIDE DITCHES. ROADSIDE DITCHES HAVE BEEN DESIGNED WITH STORM DRAIN INLETS THAT CONVEY EXCESS RUNOFF TO STORM DRAINS AND EVENTUALLY TO A LARGER SWM FACILITY WHERE CLEAN-UP CAN BE ACCOMMODATED.
21. THE WORK IN THIS CONTRACT HAS BEEN DESIGNED TO INCLUDE DYNAMIC MESSAGE SIGNS AND TRAFFIC MONITORING SYSTEMS TO ACCOMMODATE QUICK ACTION IN AN EMERGENCY SITUATION. THESE DEVICES HAVE BEEN INCLUDED FOR USE BY THE OWNER IN DEVELOPING THEIR INCIDENT MANAGEMENT PLAN.
22. INSTREAM CONSTRUCTION PROHIBITION: ACTIVITIES WITHIN THE FOLLOWING STREAM CHANNELS ARE PROHIBITED DURING THE TIME PERIODS INDICATED AS DETERMINED BY THE USE CLASSIFICATION OF THE STREAM (COMAR 26.08.02.08) AND THE SPECIAL CIRCUMSTANCES AS INDICATED:
   - UPPER ROCK CREEK (MAINSTEM) AND TRIBUTARIES: USE III RESTRICTION – OCTOBER 1 THROUGH APRIL 30, INCLUSIVE.
   - UPPER ROCK CREEK (MAINSTEM) AND TRIBUTARIES (SOUTH OF MUNCASTER MILL ROAD): USE IV RESTRICTION – MARCH 1 THROUGH JUNE 15, INCLUSIVE.
   - NORTH BRANCH ROCK CREEK (SOUTH OF MUNCASTER MILL ROAD): APRIL 15 THROUGH JULY 31, INCLUSIVE, TO PROTECT THE COMELY SHINER, A THREATENED SPECIES. DURING THE PERIOD OCTOBER 1 THROUGH APRIL 14, INCLUSIVE, ALL PRACTICABLE MEASURES SHALL BE UNDERTAKEN TO PROTECT WATER QUALITY AND ALL PROPOSED INSTREAM ACTIVITIES SHALL BE COORDINATED WITH THE ADMINISTRATION PRIOR TO PROCEEDING.
   - NORTH BRANCH ROCK CREEK (SOUTH OF MUNCASTER MILL ROAD): USE IV RESTRICTION PLUS ADDITIONAL PERIOD TO PROTECT THE COMELY SHINER – MARCH 1 THROUGH JULY 31, INCLUSIVE.
   - NORTHWEST BRANCH AND TRIBUTARIES: USE IV RESTRICTION PLUS ADDITIONAL PERIOD TO PROTECT THE COMELY SHINER – MARCH 12 THROUGH JULY 31, INCLUSIVE.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

GENERAL NOTES

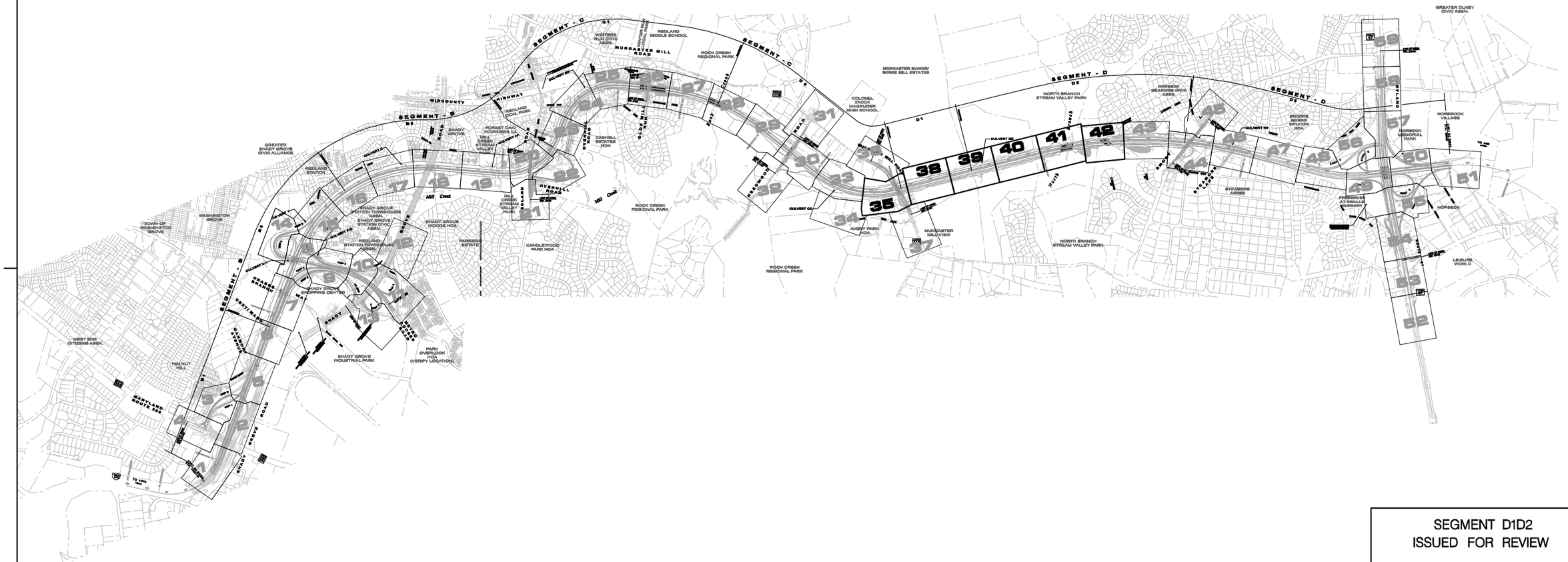
SCALE NO SCALE DATE OCT. 2007 CONTRACT NO. AT3765960

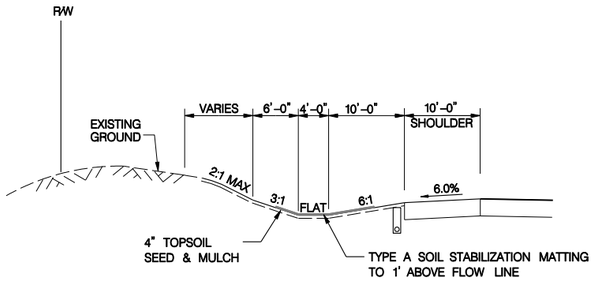
DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_RW_GN-03 SHEET NO. OF

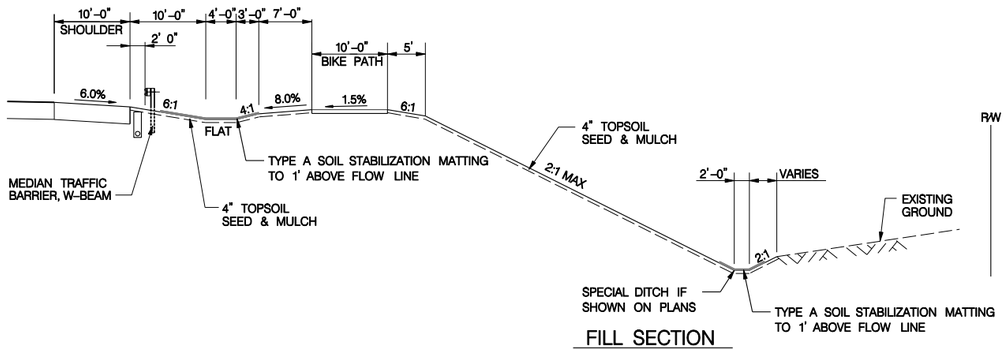
PLOTTED: MONDAY, JANUARY 28, 2008 AT 01:52 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PGN-N003_GEN_NOTES-D1D2.DGN

BY: C0036708

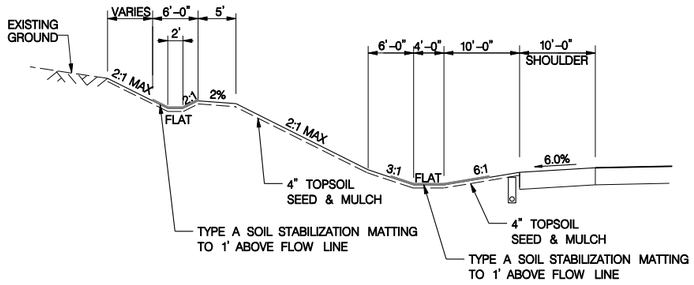

SEGMENT - C
SEGMENT - B
SEGMENT - D
MUNCASTER MILL ROAD
NORBECK ROAD
REDLAND ROAD
SHADY GROVE ROAD
MUNCASTER MANOR BOWIE MILL ESTATES
ROCK CREEK REGIONAL PARK
NORTH BRANCH STREAM VALLEY PARK
REDLAND MIDDLE SCHOOL
COLONEL ZADOK MAGRUDER HIGH SCHOOL
CASHELL ESTATES HOA
CANDLEWOOD PARK HOA
AVERY PARK HOA
MUNCASTER MILLVIEW
NORBROOK VILLAGE
NORBECK MEMORIAL PARK
LEISURE WORLD
GREATER OLNEY CIVIC ASSN.
GREATER SHADY GROVE CIVIC ALLIANCE
SHADY GROVE STATION TOWNHOUSE ASSN.
SHADY GROVE WOODS HOA
PARKSIDE ESTATE
SHADY GROVE INDUSTRIAL PARK
PARK OVERLOOK HOA (VERIFY LOCATION)
WEST END CITIZENS ASSN.
WALNUT HILL
MARYLAND ROUTE 355
TOWN OF WASHINGTON GROVE
WASHINGTON GROVE
SYCAMORES ACRSS
BROOKE MANOR ESTATES HOA
NORBECK MEADOWS CIVIC ASSN.
PARKSIDE AT BRIGHTVIEW (UNDER CONST.)
SHADY GROVE STATION
REDLAND STATION
MILL CREEK STREAM VALLEY PARK
FOREST OAKS FOUNDERS ILA
WINTERS RUN CIVIC ASSN.
MILL CREEK TOWNE ILA
MILL CREEK STREAM VALLEY PARK
SHADY GROVE SHOPPING CENTER
CRABBS BRANCH WAY
OAKMONT AVENUE
CRYSTAL ROCK DRIVE
ACADEMY DRIVE
DIAMOND AVENUE
GUDELSKY DRIVE
GOSHEN ROAD
OLNEY-LAYTONSVILLE ROAD
GEORGIA AVENUE
TO I-270
TO I-95
TO I-495
TO MD 97
TO MD 28
TO MD 182
TO MD 108
TO MD 650
TO MD 586
TO MD 355
TO MD 28
TO MD 182
TO MD 108
TO MD 650
TO MD 586
TO MD 355
TO MD 97



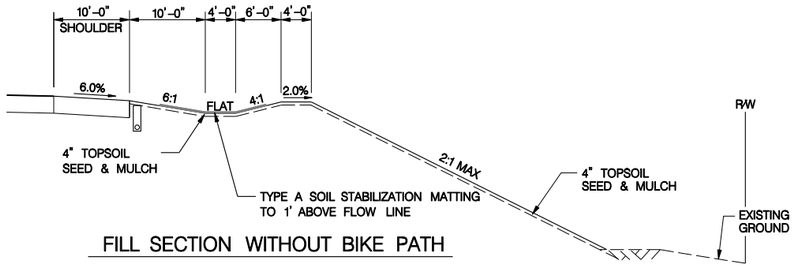
CUT SECTION UP TO 20 FT



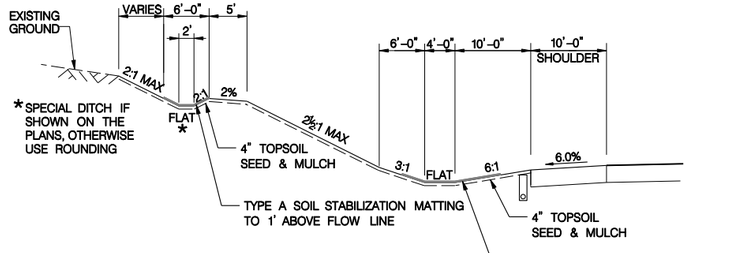
FILL SECTION WITH BIKE PATH



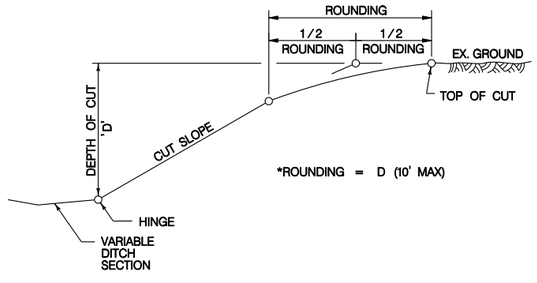
CUT SECTION UP TO 20 FT
WITH SPECIAL DITCH



FILL SECTION WITHOUT BIKE PATH



CUT SECTION OVER 20 FT



CUT SLOPE ROUNDING DETAIL

CONTOUR GRADING NOTE:

CONTOUR GRADING FOR BOTH CUT AND FILL CONDITIONS SHALL BE PERFORMED SO THAT THE RESULTANT LANDFORMS ARE NATURAL IN APPEARANCE, BLEND WELL WITH THE SURROUNDING LANDSCAPE AND BUILT FEATURES, FACILITATE POSITIVE DRAINAGE, AND MINIMIZE OPPORTUNITIES FOR EROSION.

SEGMENT D1D2
ISSUED FOR REVIEW

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

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

TYPICAL CUT & FILL SIDESLOPE TREATMENT

SCALE 1" = 10' DATE OCT. 2007 CONTRACT NO. AT3765960

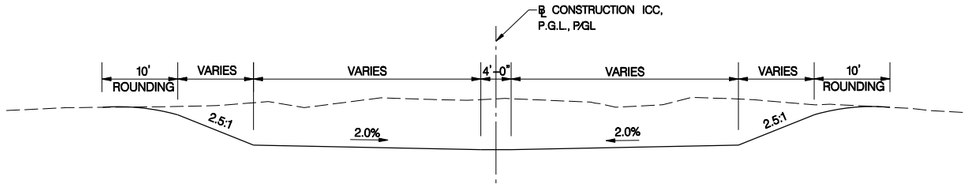
DESIGNED BY P.D.
DRAWN BY S.L.M.
CHECKED BY P.P.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

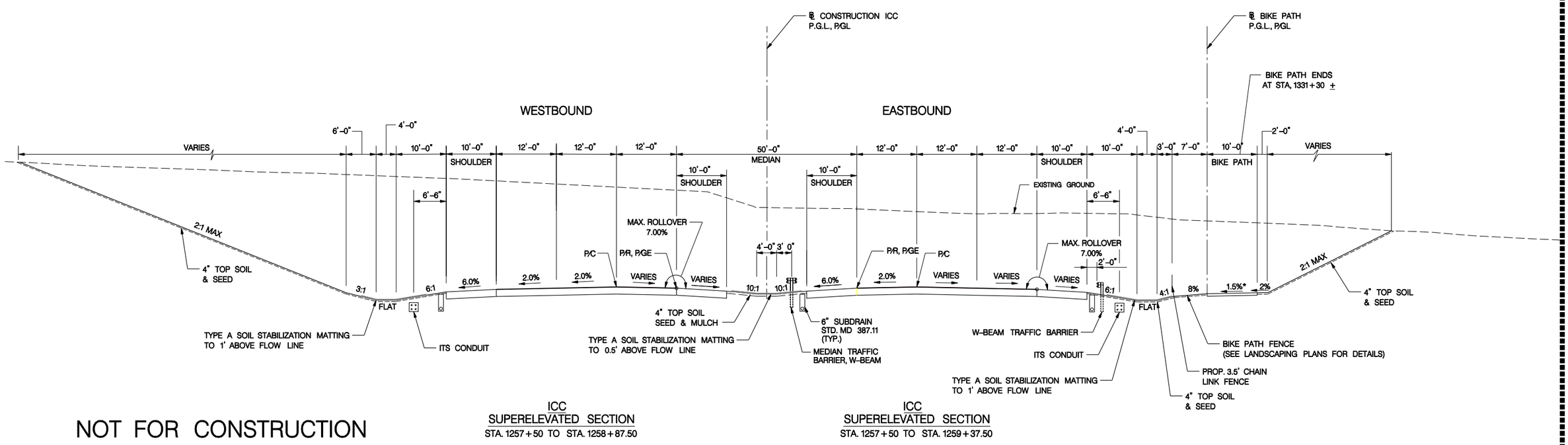
DRAWING NO. **D1D2_RW_TS-08** SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:17 AM
FILE: C:\PW_WORKING\XM\PTG\34972\DMS84232\PHT-X008.ICC-A.D1D2.DGN

BY: 34972



ROUGH GRADING TYPICAL SECTION
STA 1257+50 TO 1264+20



NOT FOR CONSTRUCTION

ICC
SUPERELEVATED SECTION
STA. 1257+50 TO STA. 1258+87.50

ICC
SUPERELEVATED SECTION
STA. 1257+50 TO STA. 1259+37.50

NOTE:
* +/- 0.5% TOLERANCE FOR CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

TYPICAL SECTION

SCALE 1" = 10' DATE OCT. 2007 CONTRACT NO. AT3765960

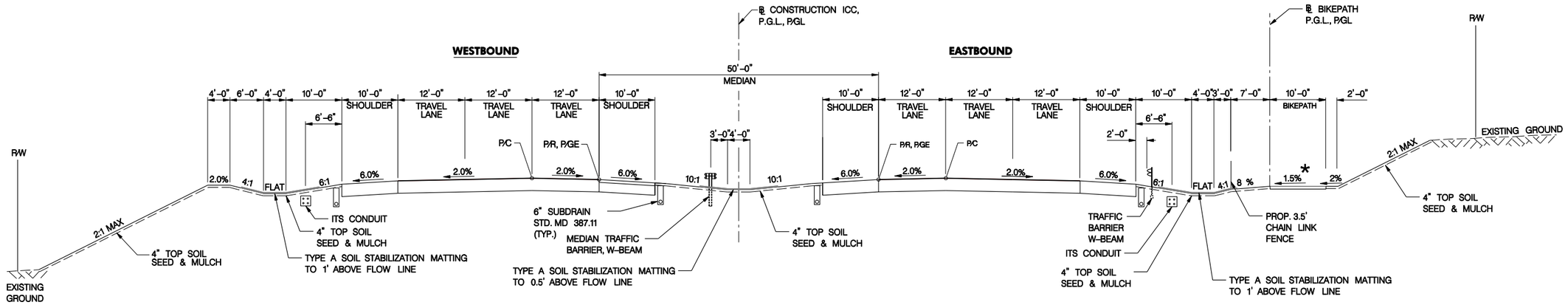
DESIGNED BY P.D.
DRAWN BY S.L.M.
CHECKED BY P.P.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_TS-14 SHEET NO. OF

PLOTTED: WEDNESDAY, JANUARY 30, 2008 AT 10:24 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PHT-X014_ICC-A_D1D2.DGN

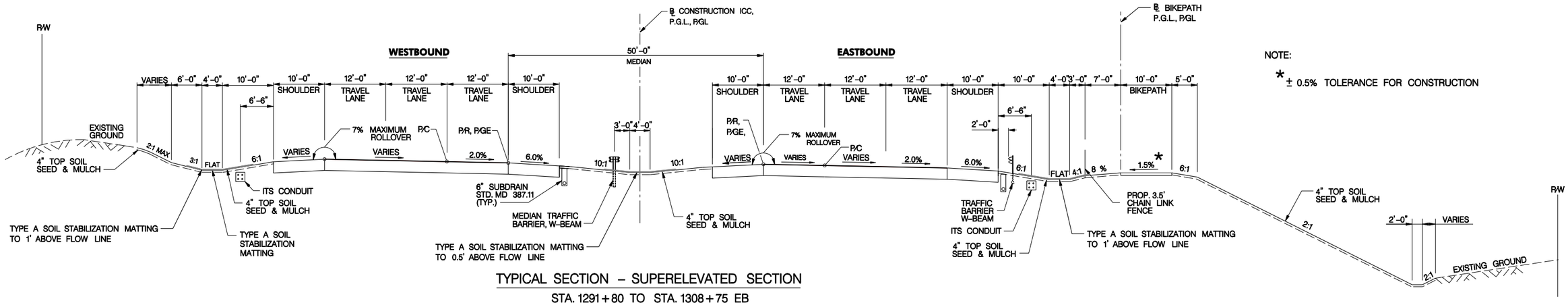
BY: 34972



TYPICAL SECTION – NORMAL CROWN SECTION

STA. 1264+20 TO STA. 1291+80 EB
STA. 1264+20 TO STA. 1292+30 WB

NOTE: PAVEMENT STARTS AT STA. 1269+45 EB & WB

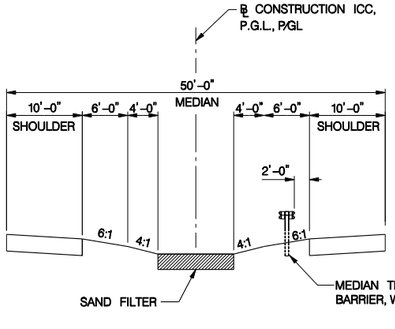


TYPICAL SECTION – SUPERELEVATED SECTION

STA. 1291+80 TO STA. 1308+75 EB
STA. 1292+30 TO STA. 1308+75 WB

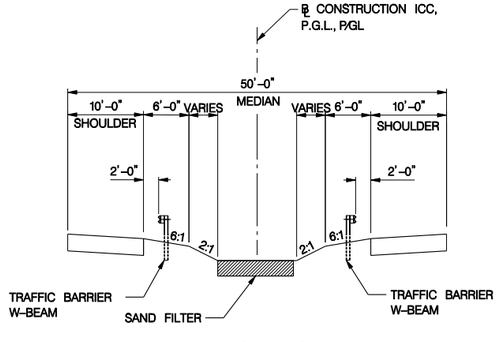
NOTE:

* ± 0.5% TOLERANCE FOR CONSTRUCTION



MEDIAN DETAIL

STA. 1295+25 TO STA. 1297+25



MEDIAN DETAIL

STA. 1301+10 TO STA. 1304+00

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

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

TYPICAL SECTION

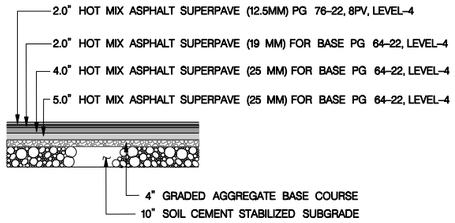
SCALE 1" = 10' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY P.D. COUNTY MONTGOMERY
DRAWN BY S.L.M. LOGMILE
CHECKED BY P.P.
F.A.P. NO. AC-NH-ICC-1(1)N

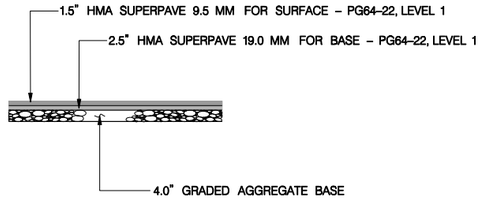
DRAWING NO. D1D2_RW_TS-16 SHEET NO. OF

PLOTTED: WEDNESDAY, JANUARY 30, 2008 AT 10:37 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PHT-X016_ICC-A_D1D2.DGN

BY: 34972

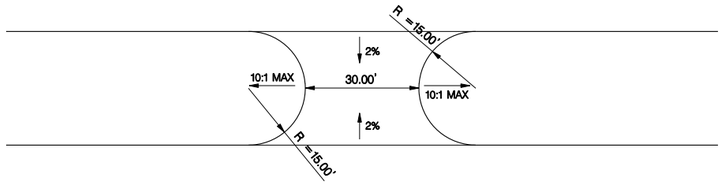


1 FLEXIBLE ICC / MAINLINE PAVEMENT SECTION



2 ICC BIKE PATH PAVEMENT SECTION

SEE INTERIM PAVEMENT REPORT



MEDIAN CROSSOVER DETAIL
NOT TO SCALE

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

TYPICAL PAVEMENT DETAILS

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY ME
DRAWN BY ME
CHECKED BY PM
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_DE-02 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:24 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84232\PHT-D61_ICC-A_D1D2_RW_DE-02.DGN

BY: 34972

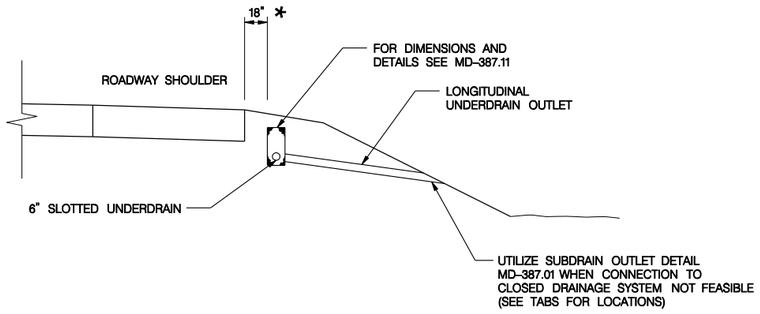
UNDERDRAIN SUMMARY

ICC LEFT MEDIAN	
FROM	TO
UDCO 1269+45	UDCO 1272+50
UDCO 1272+50	UDCO 1276+00
UDCO 1276+00	DS#I-451 1279+25
DS#I-451 1279+25	DS#I-448 1283+00
DS#I-448 1283+00	UDCO 1286+00
UDCO 1286+00	UDCO 1289+00
UDCO 1289+00	DS#I-466 1292+00
DS#I-466 1292+00	UDCO 1294+00
UDCO 1294+00	DS#I-469 1296+40
DS#I-469 1296+40	UDCO 1298+00

ICC RIGHT MEDIAN	
FROM	TO
UDCO 1269+45	UDCO 1272+50
UDCO 1272+50	UDCO 1276+00
UDCO 1276+00	DS#I-451 1279+25
DS#I-451 1279+25	DS#I-448 1283+00
DS#I-448 1283+00	UDCO 1286+00
UDCO 1286+00	UDCO 1289+00
UDCO 1289+00	DS#I-466 1292+00

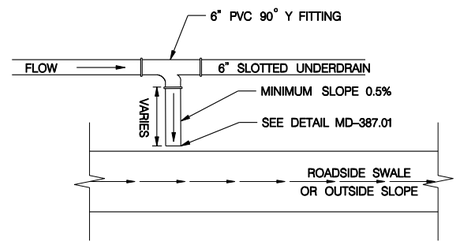
ICC MAINLINE LEFT	
FROM	TO
UDCO 1269+45	UDCO 1272+50
UDCO 1272+50	UDCO 1276+00
UDCO 1276+00	DS#I-450 1279+25
DS#I-450 1279+25	DS#I-447 1283+00
DS#I-447 1283+00	UDCO 1286+00
UDCO 1286+00	UDCO 1289+00
UDCO 1289+00	DS#I-467 1292+00

ICC MAINLINE RIGHT	
FROM	TO
UDCO 1269+45	UDCO 1272+50
UDCO 1272+50	UDCO 1276+00
UDCO 1276+00	DS#I-452 1279+25
DS#I-452 1279+25	DS#I-449 1283+00
DS#I-449 1283+00	UDCO 1286+00
UDCO 1286+00	UDCO 1289+00
UDCO 1289+00	DS#I-465 1292+00
DS#I-465 1292+00	UDCO 1294+00
UDCO 1294+00	DS#I-468 1296+40
DS#I-468 1296+40	UDCO 1298+00



TYPICAL LONGITUDINAL UNDERDRAIN DETAILS

* REDUCE TO ZERO INCHES WHEN UNDERDRAIN CONFLICTS WITH GUARDRAIL.



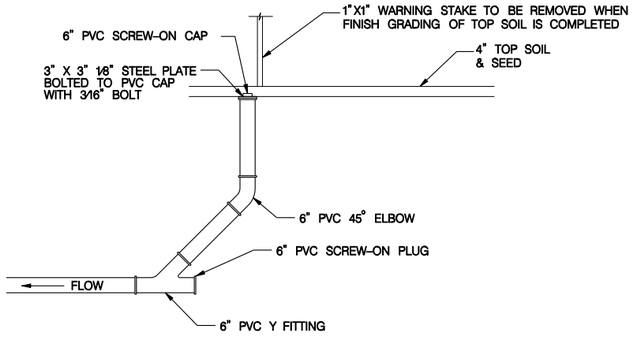
UNDERDRAIN LAYOUT

NOTES:

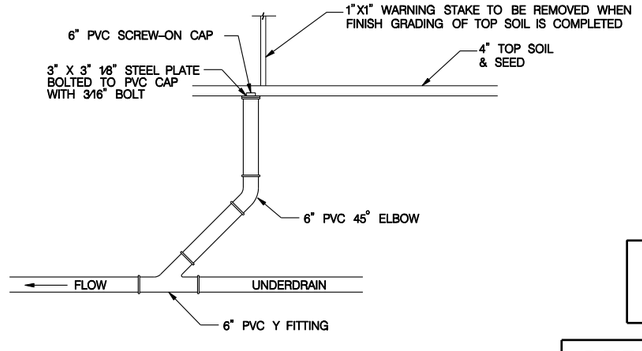
1. FOR DETAIL OF UNDERDRAIN SEE MDSHA STANDARD DETAIL MD-387.11

LEGEND:

DS	DRAINAGE STRUCTURE
UDCO	UNDERDRAIN CLEANOUT
UDO	UNDERDRAIN OUTLET



UNDERDRAIN CLEANOUT END SECTION



UNDERDRAIN CLEANOUT MID SECTION

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

UNDERDRAIN – SUMMARY

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY S.S.
DRAWN BY W.L.
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_SR-02

SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:18 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PHT-SR02.ICC-A_D1D2_RW_SR-02.DGN

BY: 34972

SURVEY CONTROL POINTS
INTERCOUNTY CONNECTOR (ICC), CONTRACT A

TRAVERSE POINT #	TRAVERSE POINT NAME	NORTHING	EASTING	ELEVATION
29	TRV 9	535383.9973	1275206.9523	387.4400
30	TRV 10	535433.3996	1266081.4026	467.4300
31	TRV 11	535742.3891	1266737.4902	480.4500
32	TRV 12	535786.8219	1267158.5615	461.2600
33	TRV 13	531746.8497	1278789.8477	413.9600
34	TRV 14	531718.7615	1279432.1396	424.0700
52	TRAV 32	528840.1164	1292888.8760	*
62	TRAV42	528369.9400	1292996.4539	*
84	TRAV 64	531112.4122	1285782.8427	424.6800
85	TRAV 65	530639.8392	1286493.9963	416.0700
86	TRAV 66	528351.4093	1292546.3731	455.7800
87	TRAV 67	528488.6700	1291891.4674	487.1700
88	TRAV 68	528559.7866	1291068.8366	494.3100
89	TRAV 69	528658.8240	1290250.4849	506.5800
90	TRAV 70	529004.2513	1289856.3681	496.4100
91	TRAV 71	529215.5488	1289444.8494	485.5900
92	TRAV 72	529781.3636	1288534.0007	456.5700
93	TRAV 73	530153.1405	1287949.5291	446.8400
94	TRAV 74	530405.5848	1287285.1117	414.8300
95	TRAV 75	530557.3081	1286979.9868	415.8200
96	TRAV 76	531207.5379	1285052.5683	400.6500
97	TRAV 77	531333.0499	1284522.2411	371.3200
98	TRAV 79	531506.1228	1283510.1303	378.9500
99	TRAV 80	531569.5053	1282872.6032	388.7700
100	TRAV 81	531599.0462	1282240.3926	401.0000
101	TRV 82	531638.8189	1281272.2231	420.2400
102	TRV 83	531672.5692	1280070.5135	430.9500
103	TRV 84	531922.5381	1278104.6307	409.0200
105	TRV 86	532923.8339	1276589.2313	392.3300
106	TRV 87	533300.3531	1276015.3163	408.0600
107	TRV 88	533447.8246	1275520.6972	366.6200
108	TRV 89	533432.7166	1275053.6178	329.6900
109	TRV 90	533415.1748	1274249.6031	393.3300
110	TRV 91	533420.1817	1273837.1744	399.1000
111	TRV 92	533533.3980	1273451.1130	413.9000
112	TRV 93	533668.0744	1273177.7167	411.5200
114	TRV 95	534297.9861	1272424.4933	408.8600
115	TRV 96	534357.3180	1272027.0270	406.1800
116	TRV 97	534429.7042	1271586.4572	393.0700
117	TRV 98	534397.9396	1271198.2435	439.3300
119	TRV 100	534853.8040	1270214.9465	424.9800
120	TRV 101	535154.8503	1269402.9262	450.6500
121	TRV 102	535409.8248	1268771.7436	426.4400
184	TRAV 65	528199.5861	1292984.0445	465.9300
1007	TRV 7B	536206.2927	1273450.7440	458.6700
1010	TRV 10#25428	534814.7659	1276139.3216	389.6200
1011	TRV 11#25428	533976.0610	1276854.0553	414.7900
1012	TRV 12#25428	532242.6250	1278373.2672	396.2000
1032	KCI 1032	535736.1550	1267533.7310	425.6700
1033	KCI 1033	535767.7063	1267300.1635	445.2600
1040	KCI 1040	534386.3707	1264668.3682	467.0300
2020	KCI 2020	536126.3713	1272826.5147	430.9100
2021	KCI 2021	535871.1728	1272840.6231	427.8400
2022	KCI 2022	535910.0590	1272452.1045	445.9900
2023	KCI 2023	535958.2880	1272200.1460	453.0300
2100	KCI 2100	535697.0529	1272145.1609	458.3200
2101	KCI 2101	535280.1564	1272054.6882	456.7400
2102	KCI 2102	535253.5300	1271757.4542	440.2000
2200	KCI 2200	535189.0811	1271486.9981	428.3700
2201	KCI 2201	535475.0485	1271141.3222	*
2202	KCI 2202	534885.4031	1270847.1394	*
80A	TRAV 80A	531583.1977	1282572.7963	384.8800
79A	TRAV 79A	531540.5523	1283157.5183	372.4600
78A	TRAV 78A	531471.9052	1283708.7298	352.8800
78X	TRAV 78X	531435.7245	1284016.0150	398.7400
77A	TRAV 77A	531384.8022	1284254.6192	378.3100
64A	TRAV 64A	531146.0413	1285535.9944	403.2500
65A	TRAV 65AX	530913.1792	1286082.2626	422.2600
73A	TRAV 73A	530270.4730	1287640.7141	426.7100
71A	TRAV 71A	529472.3460	1288759.7389	463.6800
69A	TRAV 69A	528865.7050	1290016.1398	501.3300
68A	TRAV 68A	528622.8542	1290547.6894	510.3700
67A	TRAV 67A	528511.5112	1291627.6216	485.1400
66A	TRAV 66A	528428.4125	1292179.0263	476.3300
65B	TRAV 65A	528279.1750	1292754.6365	457.3300
64B	TRAV 64B	528121.0416	1293166.7112	454.3600
164A	TRAV 64A	527989.7160	1293471.8299	*
5B	TRV 5B	534750.3542	1264896.7300	486.7200
6B	TRV 6B	534848.9562	1265039.5942	480.2400
7B	TRV 7B	534997.8428	1265251.0037	452.9100
8B	TRV 8B	535129.4264	1265511.9037	462.5400
9B	TRV 9B	535264.1001	1265660.7246	453.9800
9A	TRV 9A	535339.0579	1265851.9711	453.8000
10A	TRV 10A	535571.0080	1266374.7520	466.1700
10B	TRV 10B	535649.8578	1266541.6146	473.7200
11A	TRV 11A	535757.6480	1266880.0470	470.6100
12B	TRV 12B	535695.6834	1267833.2211	*
1t	tu–2	527995.1460	1291026.5030	499.8000
81A	TRV 81A	531612.5527	1281912.7636	412.5200
81B	TRV 81B	531626.6074	1281569.5705	385.1400
82A	TRV 82A	531655.2427	1280690.4906	416.6200
82B	TRV 82BX	531664.0660	1280336.6182	409.6300
83A	TRV 83A	531765.5468	1279827.3877	438.9300
7A	TRV 7A	536304.6992	1273086.9525	452.3500
7C	TRV 7C	536120.9232	1273721.9677	458.4800
8A	TRV 8	535850.0012	1274191.2594	436.8300
1008B	TRV 8B #25428	535780.4624	1274335.8299	441.4700
8C	TRV 8C	535668.4825	1274552.8860	428.6700
8D	TRV 8D	535507.6556	1274901.6697	390.8600
1009A	TRV 9A #25428	535153.5962	1275582.1699	398.4600
1009B	TRV 9B #25428	535037.2428	1275738.2306	339.1500
9C	TRV 9C	534942.1341	1275901.8325	386.0900
1010A	TRV 10A#25428	534342.4652	1276542.9604	412.2600
1011A	TRV 11A	533706.8291	1277019.4808	430.2600
11B	TRV 11B	533479.2436	1277234.5840	429.4400
11C	TRV 11C	532693.0804	1277970.3360	427.3100
45A	TRV 45A	531938.2776	1278858.1515	408.7200
45X	TRV 45X	531926.7112	1278304.8011	411.5000
84A	TRV 84A	532061.4033	1277892.9761	375.8100
84B	TRV 84B	532168.5593	1277729.6335	377.9700
85C	TRV 85C	532296.4646	1277534.1032	401.2200
86A	TRV 86A	533117.1442	1276294.4972	381.5100
86B	TRV 86B	533218.6381	1276139.6895	403.6500
87A	TRV 87A	533391.7046	1275707.0640	389.6700
33A	TRV 33A	533428.3840	1274592.3010	334.0900
33B	TRV 33B	533426.2788	1274487.7023	338.5000
92A	TRV 92A	533611.0148	1273293.6058	420.0100
94C	TRV 94C	533888.0335	1272923.1871	355.7000
94A	TRV 94A	534109.0631	1272654.3315	400.3300
95A	TRV 95A	534322.8124	1272258.0794	414.9800
96A	TRV 96A	534404.6451	1271739.1287	383.6200
98A	TRV 98A	534607.8283	1270819.4323	425.2000
98B	TRV 98B	534938.8970	1270869.1240	446.5300
1010B	TRV 10B#25428	534651.3572	1270749.7371	437.5500
22B	TRV 22B	534749.4191	1270439.4775	432.3100
100A	TRV 100A	534955.1051	1269941.7076	394.5900
100B	TRV 100B	535048.6030	1269689.4792	425.6100
101A	TRV 101A	535279.1764	1269095.3474	438.2200
101B	TRV 101B	535346.3391	1268929.4163	408.8900
102A	TRV 102A	535506.5595	1268608.5037	421.0600
102B	TRV 102B	535571.7720	1268499.0043	417.1200
102C	TRV 102C	535933.0790	1268846.7180	423.7300
13b	icc_b13	535615.7890	1268425.1820	*
85A	TRV 85A	532420.8547	1277347.4079	414.4600
2t	tu–1	529472.6450	1291242.6670	514.5000

SEGMENT D1D2
ISSUED FOR REVIEW

* NO ELEVATION AVAILABLE FOR THIS TRAVERSE POINT

SURVEY CONTROL COORIDINATES SHOWN ARE BASE ON: NAD 8391 HORIZONTAL DATUM
ELEVATION SHOWN ARE BASED ON: NAVD 88 VERTICAL DATUM

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

SURVEY CONTROL POINTS

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960

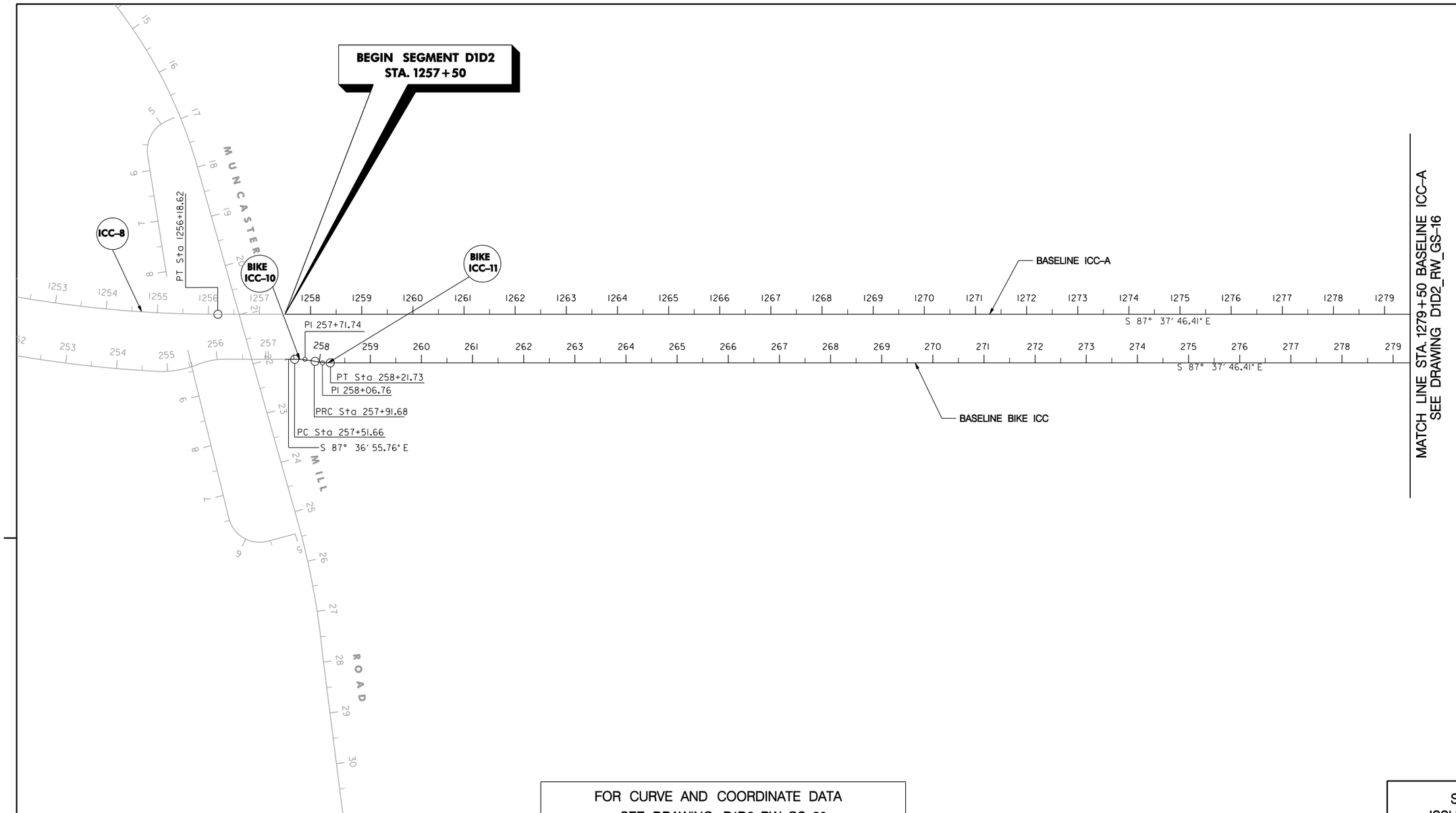
DESIGNED BY G.C.
DRAWN BY O.S.
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_GS-27 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:18 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PGS-P027.ICC-A.D1D2.DGN

BY: 34972



FOR CURVE AND COORDINATE DATA
SEE DRAWING D1D2_RW_GS-20

SEGMENT D1D2
ISSUED FOR REVIEW

100' 0 100' 200'
SCALE: 1" = 100'

BY: 34972

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

GEOMETRIC LAYOUT

SCALE 1" = 100' DATE OCT. 2007 CONTRACT NO. AT3765960

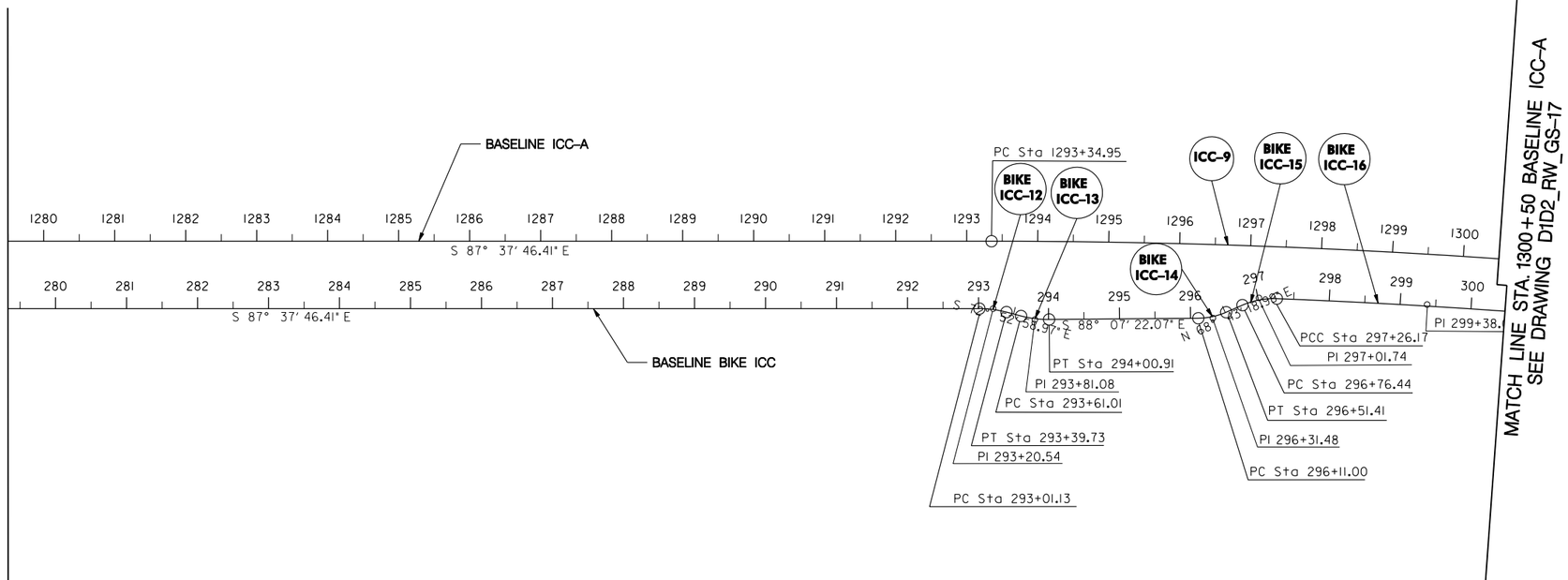
DESIGNED BY D.S.
DRAWN BY S.S.
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_GS-15 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:18 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PGS-P015_ICC-A_D1D2.DGN

MATCH LINE STA. 1279+50 BASELINE ICC-A
SEE DRAWING D1D2_RW_GS-15



MATCH LINE STA. 1300+50 BASELINE ICC-A
SEE DRAWING D1D2_RW_GS-17

FOR CURVE AND COORDINATE DATA
SEE DRAWING D1D2_RW_GS-20

100' 0 100' 200'
SCALE: 1" = 100'

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

GEOMETRIC LAYOUT

SCALE 1" = 100' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY S.S. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_RW_GS-16 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:18 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PGS-P016_ICC-A_D1D2.DGN

BY: 34972

END SEGMENT D1D2
STA. 1309+50

BASELINE ICC–A

BASELINE BIKE ICC

MATCH LINE STA. 1300+50 BASELINE ICC–A
SEE DRAWING D1D2_RW_GS–16

BIKE ICC–16
BIKE ICC–17
BIKE ICC–18
ICC–9
BIKE ICC–19
BIKE ICC–20
BIKE ICC–21
BIKE ICC–22
BIKE ICC–23

PC Sta 302+14.45
PT Sta 301+84.75
PI 301+67.40
PCC Sta 301+49.77
PI 303+32.24
PT Sta 304+45.82
PC Sta 304+77.13
PCC Sta 305+13.02
PI 304+95.12
PI 305+77.60
PRC Sta 306+42.18
PI 306+59.08
PT Sta 306+75.66
PC Sta 307+05.71
PI 307+24.84
PCC Sta 307+43.59

LANE
EMORY

BASE LINE
BIKE ICC

BASE LINE
BIKE ICC

FOR CURVE AND COORDINATE DATA
SEE DRAWING D1D2_RW_GS–20

100' 0 100' 200'
SCALE: 1" = 100'

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301–354–8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

GEOMETRIC LAYOUT

SCALE 1" = 100' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY S.S. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC–NH–ICC–1(1)N

DRAWING NO. D1D2_RW_GS–17 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:18 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PGS-P017_ICC-A_D1D2.DGN

BY: 34972

BIKE ICC

CURVE	POINT NO.	STATION	NORTH	EAST
BIKE_ICC-9	PC	255+65.06	531,621.4063	1,279,329.3556
	PI	255+89.43	531,629.3021	1,279,352.4117
	CC		531,498.7328	1,279,371.3662
	PT	256+13.24	531,628.2881	1,279,376.7611
BIKE_ICC-10	PC	257+51.66	531,622.5291	1,279,515.0615
	PI	257+71.74	531,621.6938	1,279,535.1201
	CC		531,422.7022	1,279,506.7404
	PT	257+91.68	531,616.8884	1,279,554.6124
BIKE_ICC-11	PC	257+91.68	531,616.8884	1,279,554.6124
	PI	258+06.76	531,613.2799	1,279,569.2497
	CC		531,762.5277	1,279,590.5164
	PT	258+21.73	531,612.6564	1,279,584.3124
BIKE_ICC-12	PC	293+01.13	531,468.7479	1,283,060.7306
	PI	293+20.54	531,467.9450	1,283,080.1244
	CC		531,318.8762	1,283,054.5266
	PT	293+39.73	531,462.2321	1,283,098.6750
BIKE_ICC-13	PC	293+61.01	531,455.9688	1,283,119.0129
	PI	293+81.08	531,450.0625	1,283,138.1912
	CC		531,599.3247	1,283,163.1613
	PT	294+00.91	531,449.4052	1,283,158.2477
BIKE_ICC-14	PC	296+11.00	531,442.5233	1,283,368.2207
	PI	296+31.48	531,441.8522	1,283,388.6961
	CC		531,542.4696	1,283,371.4965
	PT	296+51.41	531,449.2866	1,283,407.7859
BIKE_ICC-15	PC	296+76.44	531,458.3717	1,283,431.1145
	PI	297+01.74	531,467.5510	1,283,454.6847
	CC		531,355.8704	1,283,471.0328
	PT	297+26.17	531,465.5127	1,283,479.8970
BIKE_ICC-16	PC	297+26.17	531,465.5127	1,283,479.8970
	PI	299+38.00	531,448.4428	1,283,691.0365
	CC		521,270.8873	1,282,655.6974
	PT	301+49.77	531,422.6455	1,283,901.2882
BIKE_ICC-17	PC	301+49.77	531,422.6455	1,283,901.2882
	PI	301+67.40	531,420.4973	1,283,918.7966
	CC		531,313.5780	1,283,887.9059
	PT	301+84.75	531,412.9770	1,283,934.7530
BIKE_ICC-18	PC	302+14.45	531,400.3117	1,283,961.6259
	PI	303+32.24	531,350.0944	1,284,068.1759
	CC		531,852.5965	1,284,174.7889
	PT	304+45.82	531,352.7208	1,284,185.9375
BIKE_ICC-19	PC	304+77.13	531,353.4189	1,284,217.2378
	PI	304+95.12	531,353.8201	1,284,235.2275
	CC		531,153.4686	1,284,221.6972
	PT	305+13.02	531,351.0038	1,284,252.9998
BIKE_ICC-20	PC	305+13.02	531,351.0038	1,284,252.9998
	PI	305+77.60	531,340.8955	1,284,316.7883
	CC		521,271.7708	1,282,655.7873
	PT	306+42.18	531,329.9807	1,284,380.4438
BIKE_ICC-21	PC	306+42.18	531,329.9807	1,284,380.4438
	PI	306+59.08	531,327.1249	1,284,397.0989
	CC		531,428.5423	1,284,397.3439
	PT	306+75.66	531,329.9002	1,284,413.7677
BIKE_ICC-22	PC	307+05.71	531,334.8342	1,284,443.4017
	PI	307+24.84	531,337.9766	1,284,462.2748
	CC		531,226.3279	1,284,461.4678
	PT	307+43.59	531,334.5617	1,284,481.1006

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
BIKE_ICC-9	21° 17′ 19.41" RT	44° 11′ 12.02"	129.67′	24.37′	48.18′	2.27′
BIKE_ICC-10	11° 27′ 51.38" RT	28° 38′ 52.40"	200.00′	20.08′	40.02′	1.01′
BIKE_ICC-11	11° 28′ 42.03" LT	38° 11′ 50.15"	150.00′	15.08′	30.05′	0.76′
BIKE_ICC-12	14° 44′ 47.44" RT	38° 11′ 49.87"	150.00′	19.41′	38.61′	1.25′
BIKE_ICC-13	15° 14′ 23.09" LT	38° 11′ 49.87"	150.00′	20.07′	39.90′	1.34′
BIKE_ICC-14	23° 09′ 18.94" LT	57° 17′ 44.81"	100.00′	20.49′	40.41′	2.08′
BIKE_ICC-15	25° 54′ 00.60" RT	52° 05′ 13.46"	110.00′	25.29′	49.72′	2.87′
BIKE_ICC-16	2° 22′ 22.62" RT	0° 33′ 36.69"	10,227.89′	211.83′	423.60′	2.19′
BIKE_ICC-17	18° 14′ 22.44" RT	52° 08′ 28.95"	109.89′	17.64′	34.98′	1.41′
BIKE_ICC-18	26° 30′ 44.14" LT	11° 27′ 32.96"	500.00′	117.79′	231.36′	13.69′
BIKE_ICC-19	10° 16′ 55.83" RT	28° 38′ 52.40"	200.00′	17.99′	35.89′	0.81′
BIKE_ICC-20	0° 43′ 30.74" RT	0° 33′ 41.21"	10,205.00′	64.58′	129.17′	0.20′
BIKE_ICC-21	19° 10′ 57.79" LT	57° 17′ 44.81"	100.00′	16.90′	33.48′	1.42′
BIKE_ICC-22	19° 44′ 03.11" RT	52° 05′ 13.46"	110.00′	19.13′	37.89′	1.65′
BIKE_ICC-23	2° 44′ 31.44" RT	0° 33′ 36.87"	10,227.00′	244.77′	489.44′	2.93′

ICC

CURVE	POINT NO.	STATION	NORTH	EAST
ICC-8	PC	1235+13.72	532,691.7608	1,277,586.2467
	PI	1246+46.98	531,763.5367	1,278,236.3690
	CC		534,006.5361	1,279,463.4414
	PT	1256+18.62	531,716.6652	1,279,368.6508
ICC-9	PC	1293+34.95	531,562.9571	1,283,081.7975
	PI	1319+34.55	531,455.4372	1,285,679.1722
	CC		521,271.7709	1,282,655.7873
	PT	1344+27.79	530,128.2161	1,287,914.4351

CURVE DATA

CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
ICC-8	52° 37′ 20.65" LT	2° 30′ 00.00"	2,291.83′	1,133.25′	2,104.90′	264.88′
ICC-9	28° 19′ 47.71" RT	0° 33′ 22.57"	10,300.00′	2,599.60′	5,092.84′	322.99′

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

CURVE DATA

SCALE NA DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C.
DRAWN BY S.S.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

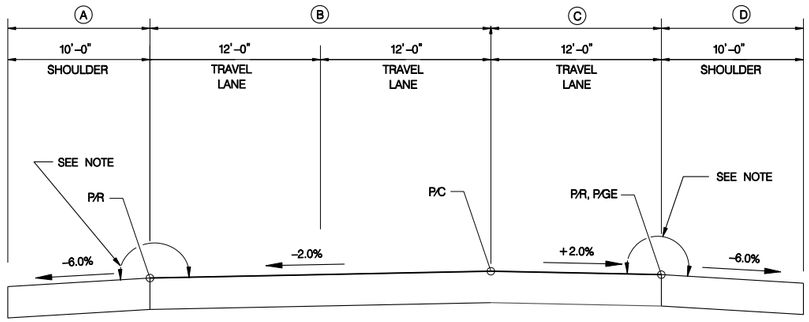
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_GS-20 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 09:06 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PGS-P020.ICC-A.D1D2_TABS.DGN

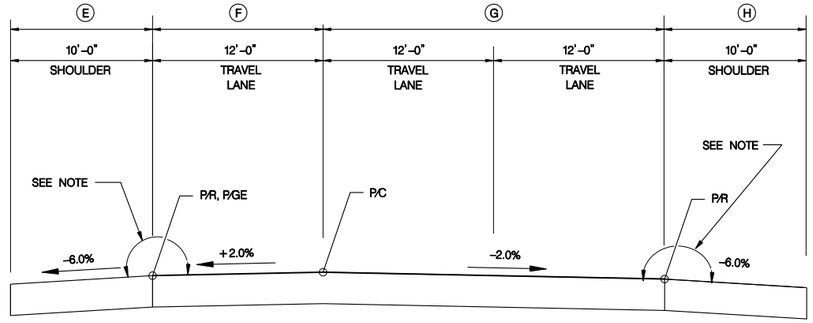
BY: 34972

WESTBOUND



STATION		A	B	C	D	REMARKS
	1232+37.50	-6.00%	-2.00%	+2.00%	-6.00%	NORMAL CROWN
	1233+62.50	-6.00%	-2.00%	-2.00%	-5.00%	
PC *	1235+06.65	-6.00%	-4.23%	-4.23%	-2.77%	
	1235+62.50	-6.00%	-5.10%	-5.10%	-1.90%	BEGIN SUPER
	1255+62.50	-6.00%	-5.10%	-5.10%	-1.90%	END SUPER
PT *	1256+11.46	-6.00%	-4.34%	-4.34%	-2.66%	
	1257+62.50	-6.00%	-2.00%	-2.00%	-5.00%	
	1258+87.50	-6.00%	-2.00%	+2.00%	-6.00%	NORMAL CROWN
	1291+80.00	-6.00%	-2.00%	+2.00%	-6.00%	NORMAL CROWN
PC	1293+34.95	-5.46%	+1.54%	+2.00%	-6.00%	
	1293+55.00	-5.00%	+2.00%	+2.00%	-6.00%	BEGIN SUPER
SEE DRAWING D1D2_RW_SE-54 FOR BRIDGE 20 & 21 SHOULDER TRANSITIONS						

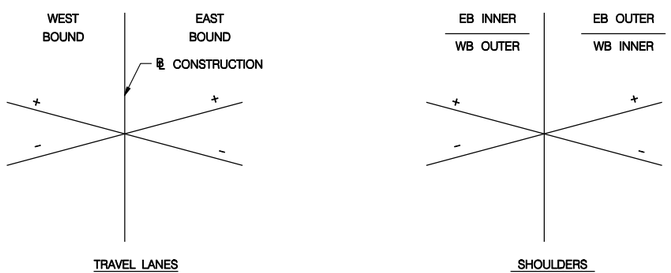
EASTBOUND



STATION		E	F	G	H	REMARKS
	1231+87.50	-6.00%	+2.00%	-2.00%	-6.00%	NORMAL CROWN
	1233+62.50	-6.00%	+2.00%	+2.00%	-5.00%	
PC *	1235+20.75	-6.00%	+4.45%	+4.45%	-2.55%	
	1235+62.50	-6.00%	+5.10%	+5.10%	-1.90%	BEGIN SUPER
	1255+62.50	-6.00%	+5.10%	+5.10%	-1.90%	END SUPER
PT *	1256+25.69	-6.00%	+4.12%	+4.12%	-2.88%	
	1257+62.50	-6.00%	+2.00%	+2.00%	-5.00%	
	1259+37.50	-6.00%	+2.00%	-2.00%	-6.00%	NORMAL CROWN
	1292+30.00	-6.00%	+2.00%	-2.00%	-6.00%	NORMAL CROWN
PC	1293+34.95	-5.64%	-1.36%	-2.00%	-6.00%	
	1293+55.00	-5.00%	-2.00%	-2.00%	-6.00%	BEGIN SUPER
SEE DRAWING D1D2_RW_SE-54 FOR BRIDGE 20 & 21 SHOULDER TRANSITIONS						

NOTE: 7% MAX. ROLLOVER

* = REPRESENT GEOMETRY OF ACTUAL TRAVELLED WAY



SIGN CONVENTION

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SUPERELEVATION DATA

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY C.L.W.
DRAWN BY S.S.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

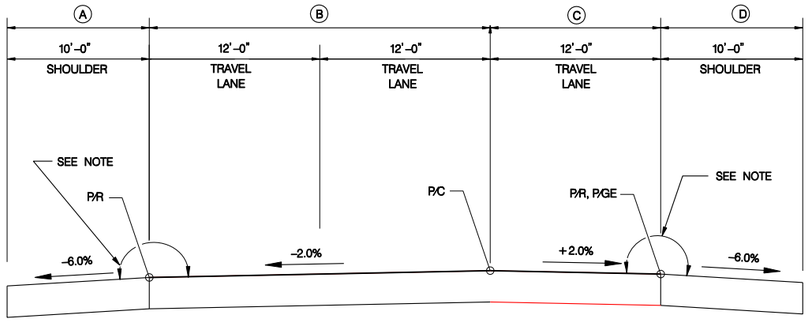
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. **D1D2_RW_SE-53** SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:19 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PSE-D053_ICC-A_D1D2.DGN

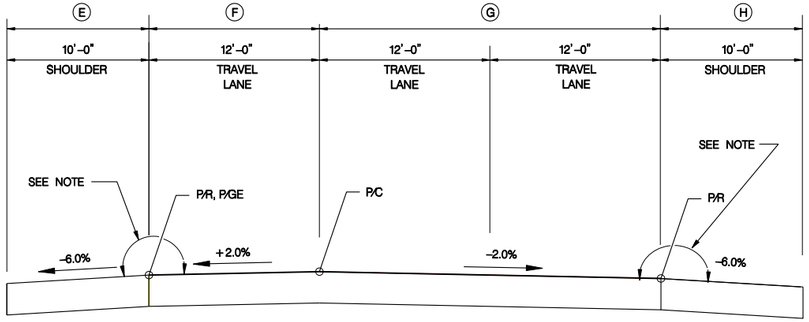
BY: 34972

WESTBOUND



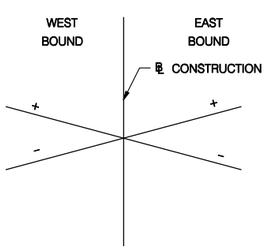
STATION	A	B	C	D
1296+50	-5.00%	+2.00%		
1297+00			+2.00%	-6.00%
1298+00			+2.00%	-2.00%
1298+25	+2.00%	+2.00%		
BRIDGE NO. 20				
1301+75			+2.00%	-2.00%
1301+75	+2.00%	+2.00%		
1302+75			+2.00%	-6.00%
1303+50	-5.00%	+2.00%		
1305+50	-5.00%	+2.00%		
1306+75			+2.00%	-6.00%
1306+75			+2.00%	-6.00%
1307+25	+2.00%	+2.00%		
1307+75			+2.00%	-2.00%
BRIDGE NO. 21				
1309+75	+2.00%	+2.00%		
1310+25			+2.00%	-2.00%
1311+25			+2.00%	-6.00%
1311+50	-5.00%	+2.00%		

EASTBOUND

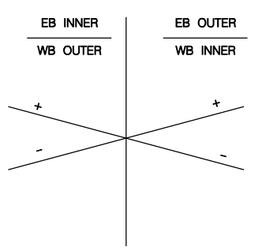


STATION	E	F	G	H
1296+00			-2.00%	-6.00%
1296+00	-5.00%	-2.00%		
1297+00			-2.00%	-2.00%
1297+75	+2.00%	-2.00%		
BRIDGE NO. 20				
1301+25			-2.00%	-2.00%
1301+50	+2.00%	-2.00%		
1302+25			-2.00%	-6.00%
1303+25	-5.00%	-2.00%		
1306+75	-5.00%	-2.00%		
1306+00			-2.00%	-6.00%
1308+50	+2.00%	-2.00%		
1307+00			-2.00%	-2.00%
BRIDGE NO. 21				
1310+75	+2.00%	-2.00%		
1311+50			-2.00%	-2.00%
1312+50	-5.00%	-2.00%		
1312+50			-2.00%	-6.00%

NOTE: 7% MAX. ROLLOVER



TRAVEL LANES



SHOULDERS

SIGN CONVENTION

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SUPERELEVATION DATA

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY C.L.W.
DRAWN BY S.S.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

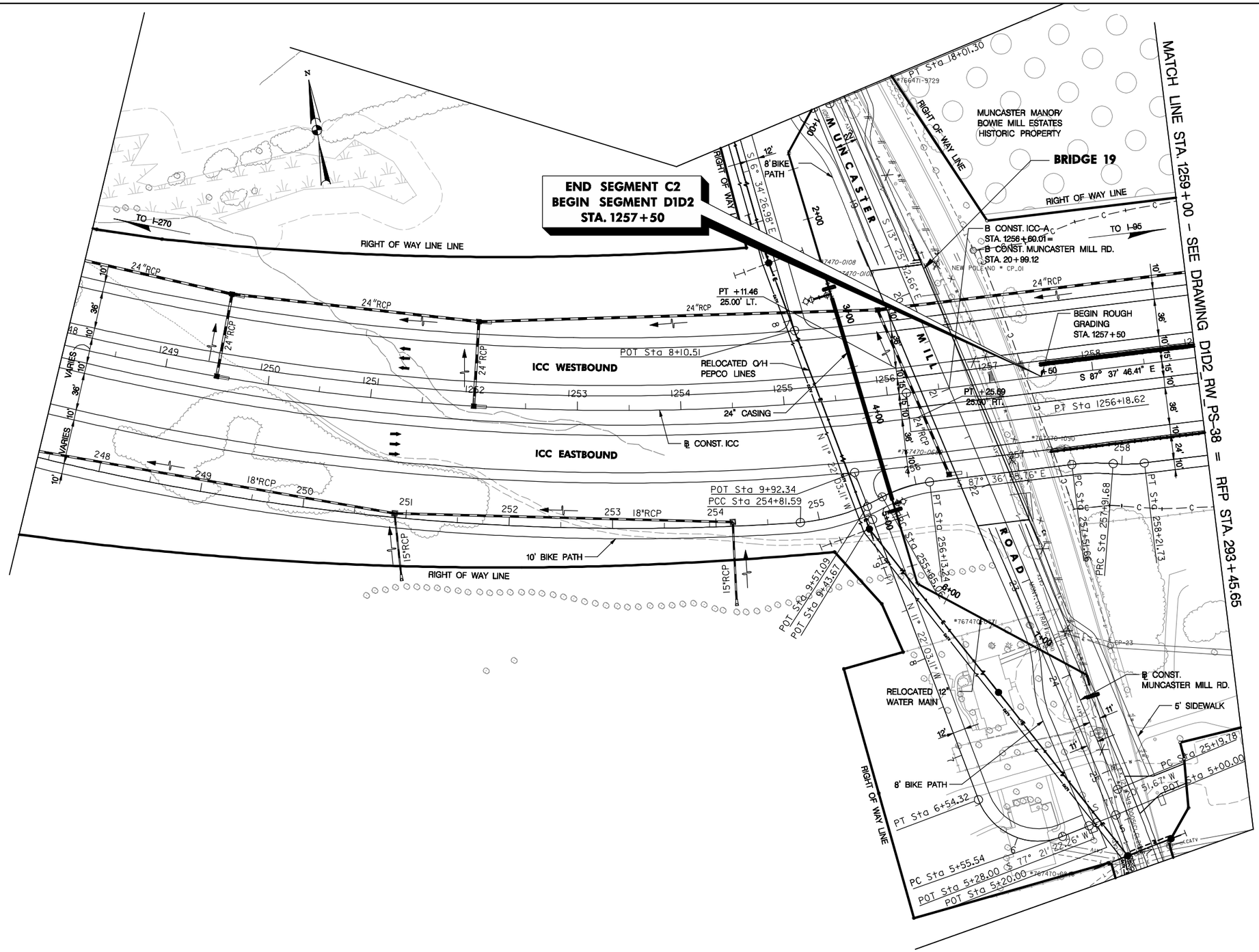
DRAWING NO. D1D2_RW_SE-54 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:06 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PSE-D054.ICC-A.D1D2.DGN

BY: 34972

NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY.
2. ITS EQUIPMENT, OVERHEAD SIGNS, DRAINAGE AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.
3. DRAINAGE IS SHOWN FOR INFORMATION ONLY ON THIS SHEET.



LEGEND

FULL DEPTH CONSTRUCTION

SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

ROADWAY PLAN

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S.
DRAWN BY W.L.
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_PS-35 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 06:05 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHD-P035_ICC-A_D1D2.DGN

BY: C0036708

MATCH LINE STA. 1259+00 – SEE DRAWING D1D2_RW_PS-35 = RFP STA. 293+45.65

MATCH LINE STA. 1270+00 – SEE DRAWING D1D2_RW_PS-39 = RFP STA. 304+45.65

MUNCASTER MANOR/
BOWIE MILL ESTATES
HISTORIC PROPERTY

N

RIGHT OF WAY LINE

TO I-270

1/417

24"RCP

ICC WESTBOUND

ICC EASTBOUND

S 87° 37' 46.41" E

24"RCP

72"SRP

HW 427

HW 429

END ROUGH GRADING STA. 1269+45

RIGHT OF WAY LINE

TO I-95

WILDLIFE CROSSING

+45

1/419

1/418

BIKE PATH

HW 426

HW 428

RIGHT OF WAY LINE

REMOVE BUILDINGS

RIGHT OF WAY LINE

WETLAND 1R

50' 0 50' 100'

SCALE: 1" = 50'

NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY
2. ITS EQUIPMENT, OVERHEAD SIGNS AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.
3. DRAINAGE SHOWN WEST OF STATION 1264+00 IS FOR INFORMATION ONLY.

LEGEND

FULL DEPTH CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

ROADWAY PLAN

REVISIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

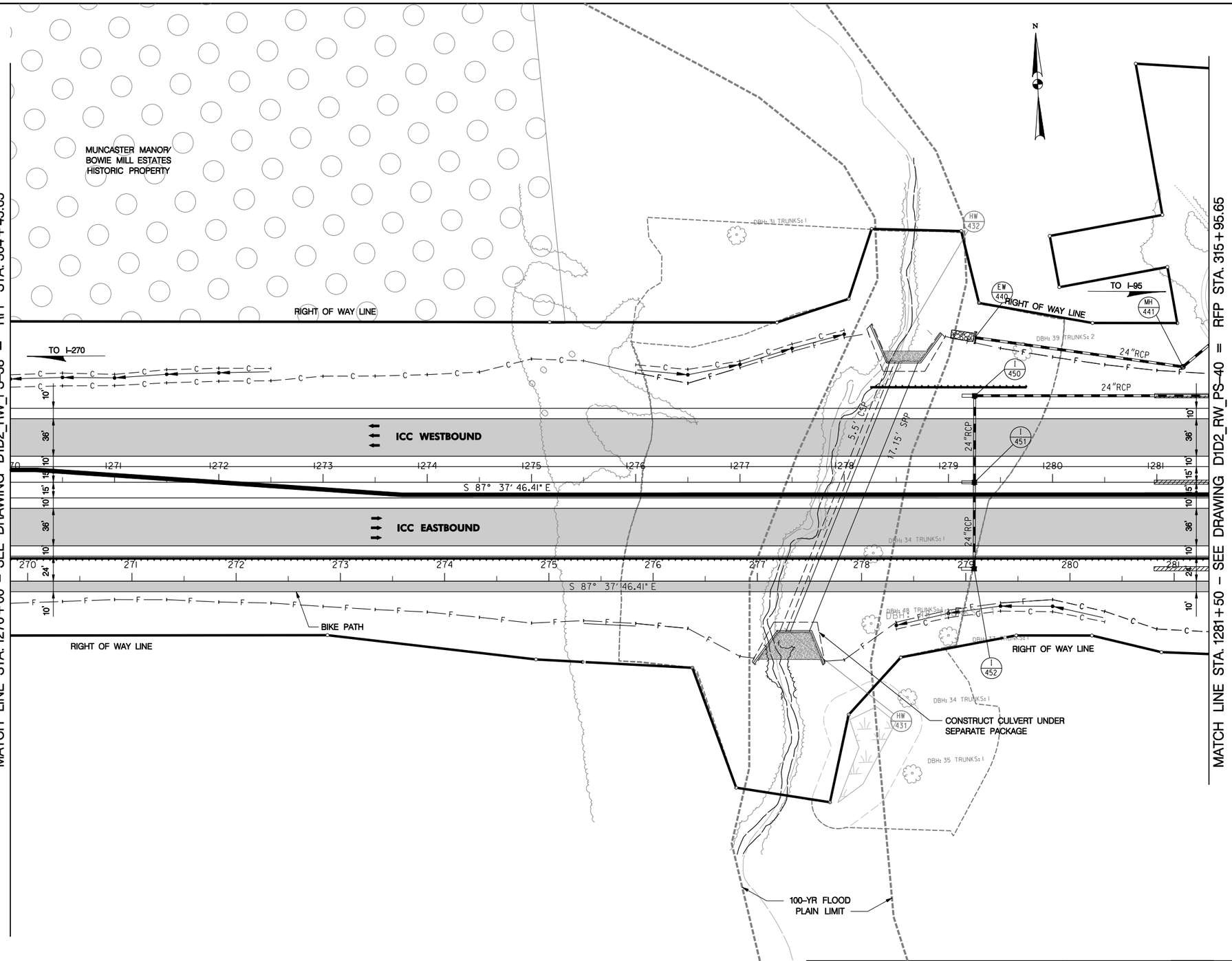
DRAWING NO. D1D2_RW_PS-38 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 06:46 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHD-P038_ICC-A_D1D2.DGN

BY: C0036708

MATCH LINE STA. 1270+00 – SEE DRAWING D1D2_RW_PS–38 = RFP STA. 304+45.65

MATCH LINE STA. 1281+50 – SEE DRAWING D1D2_RW_PS–40 = RFP STA. 315+95.65



NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY.
2. ITS EQUIPMENT, OVERHEAD SIGNS AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.

LEGEND

FULL DEPTH CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301–354–8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

ROADWAY PLAN

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC–NH–ICC–1(1)N

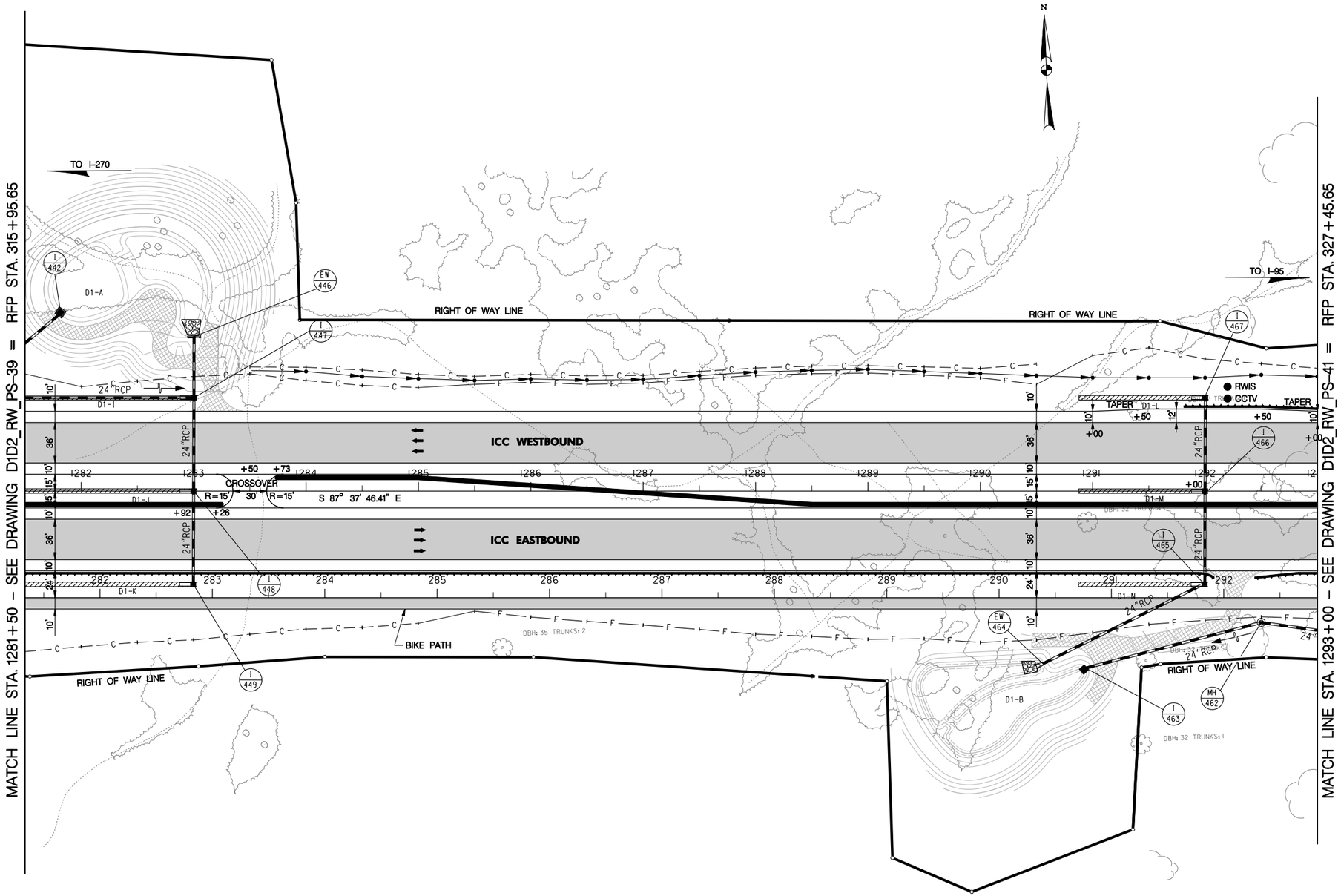
DRAWING NO. D1D2_RW_PS–39 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:34 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PHD-P039_ICC-A_D1D2.DGN

BY: 34972

NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY.
2. ITS EQUIPMENT, OVERHEAD SIGNS AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.



50' 0 50' 100'
SCALE: 1" = 50'

LEGEND

FULL DEPTH CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

ROADWAY PLAN

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_RW_PS-40 SHEET NO. OF

PLOTTED: WEDNESDAY, JANUARY 30, 2008 AT 10:11 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PHO-P040_ICC-A_D1D2.DGN

BY: 34972

NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY.
2. ITS EQUIPMENT, OVERHEAD SIGNS AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.

MATCH LINE STA. 1293+00 – SEE DRAWING D1D2_RW_PS-40 = RFP STA. 327+45.65

MATCH LINE STA. 1304+00 – SEE DRAWING D1D2_RW_PS-42 = RFP STA. 323+10.08

TO I-270

TO I-95

RIGHT OF WAY LINE

100-YR FLOOD PLAIN LIMIT

PROTECT EXISTING SEWER DURING BRIDGE CONSTRUCTION

WETLAND 1W

WETLAND 1Y

SAND STORAGE BMP

ICC WESTBOUND

ICC EASTBOUND

BIKE PATH

BRIDGE 20

TEMPORARY EASEMENT

PC Sta 293+01.13

PT Sta 293+39.73

PC Sta 293+61.01

PC Sta 296+11.00

PT Sta 296+51.41

PC Sta 296+76.44

PC Sta 297+26.17

PC Sta 301+49.77

PT Sta 301+84.75

PC Sta 302+14.45

PT Sta 294+00.91

S 72° 52' 58.97" E

S 88° 07' 22.07" E

S 68° 43' 15.93" E

64° 45' 55"

Branch

North

LEGEND

FULL DEPTH CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

SCALE: 1" = 50'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

ROADWAY PLAN

REVISIONS

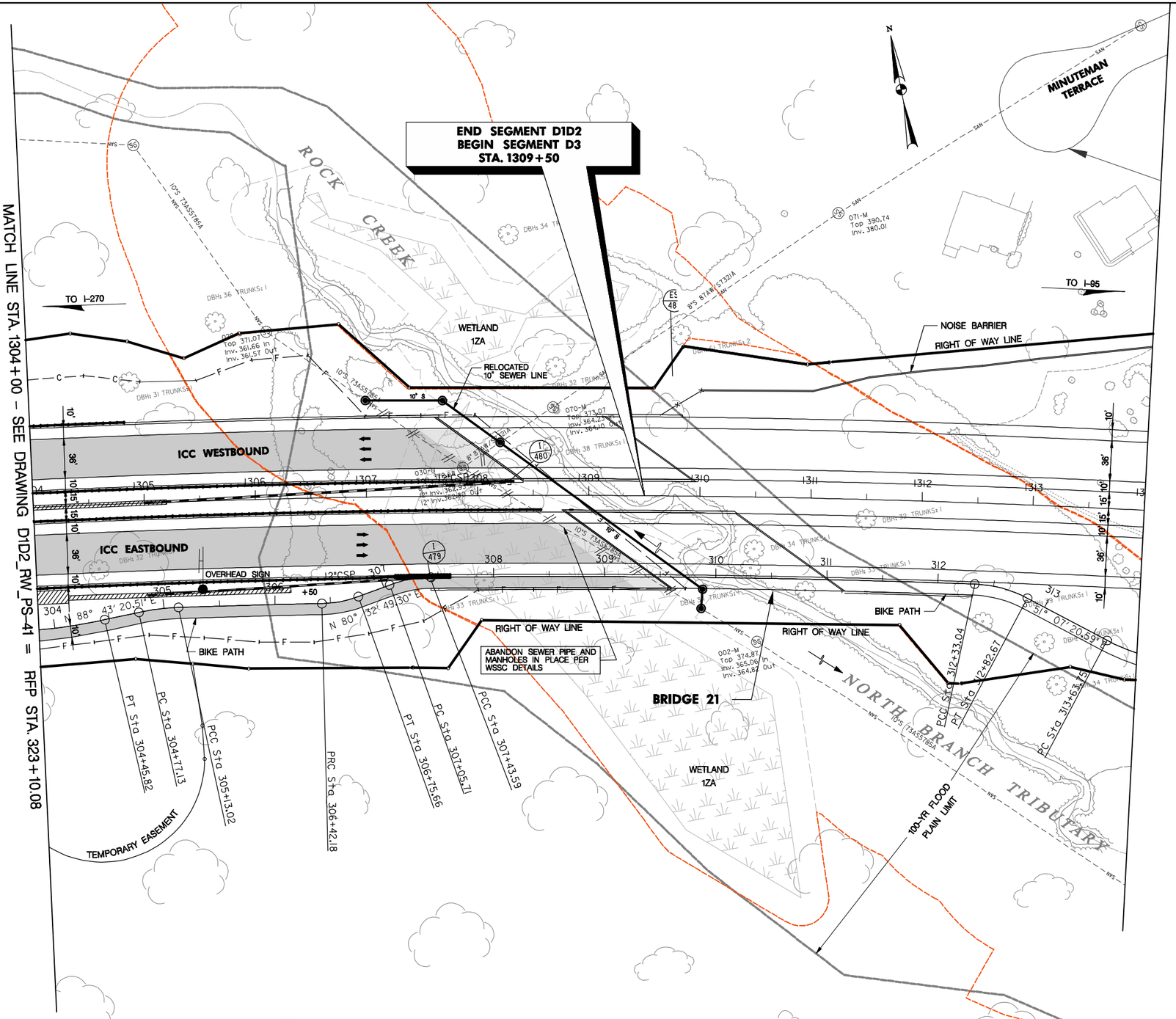
SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_RW_PS-41 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 03:53 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHD-P041_ICC-A_D1D2.DGN

BY: C0036708



NOTES:

1. UTILITIES ARE SHOWN FOR INFORMATION ONLY.
2. ITS EQUIPMENT, OVERHEAD SIGNS AND TRAFFIC BARRIER ARE SHOWN FOR INFORMATION ONLY.

LEGEND

FULL DEPTH CONSTRUCTION

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND GRADING

REVISIONS

ROADWAY PLAN

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

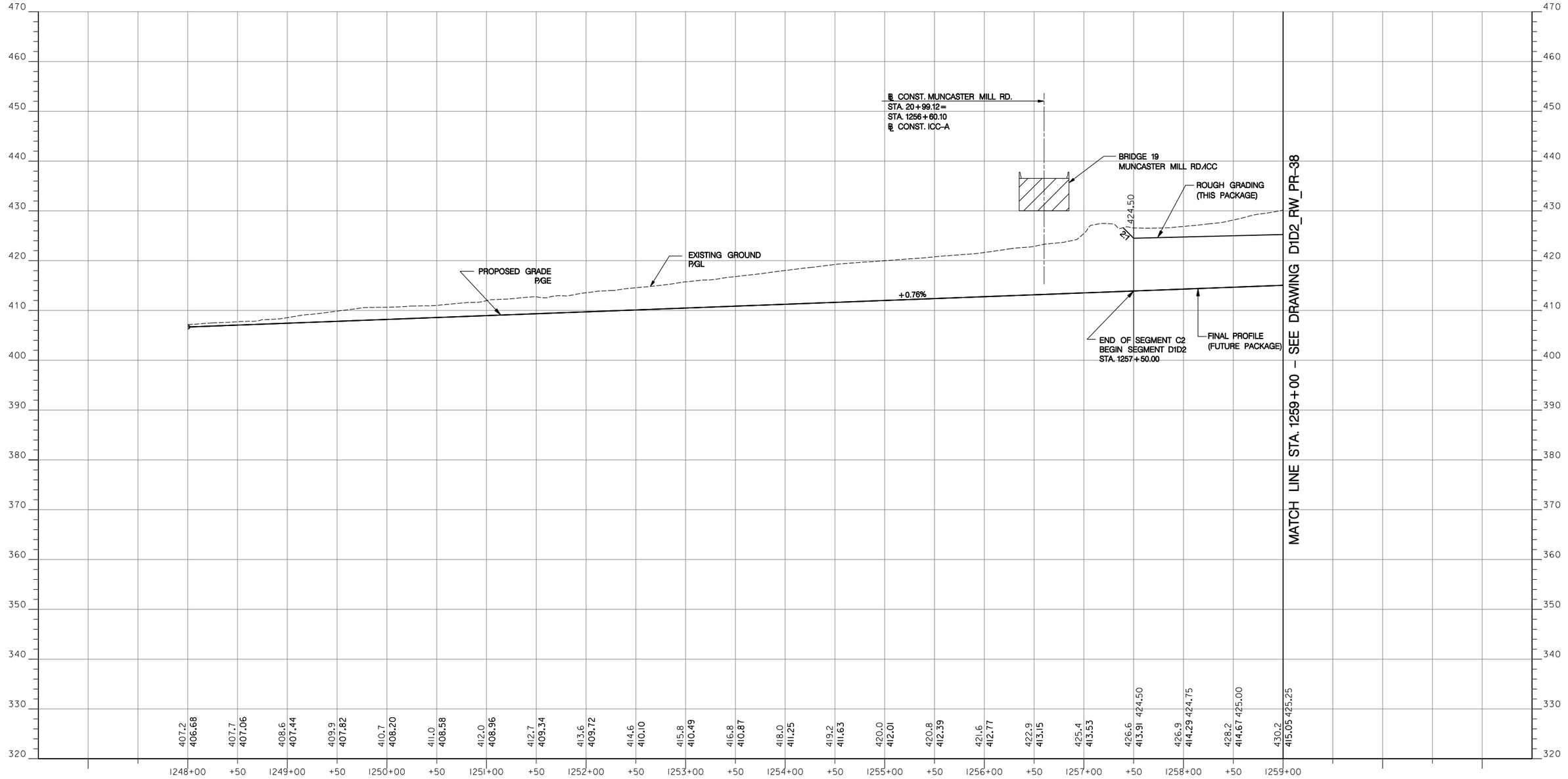
DESIGNED BY D.S.
DRAWN BY W.L.
CHECKED BY P.D.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_RW_PS-42 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:11 PM
FILE: C:\PW_WORKING.XM\PTG\C0036708\DMS84232\PHD-P042_ICC-A_D1D2.DGN

BY: C0036708



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

BY: 34972

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

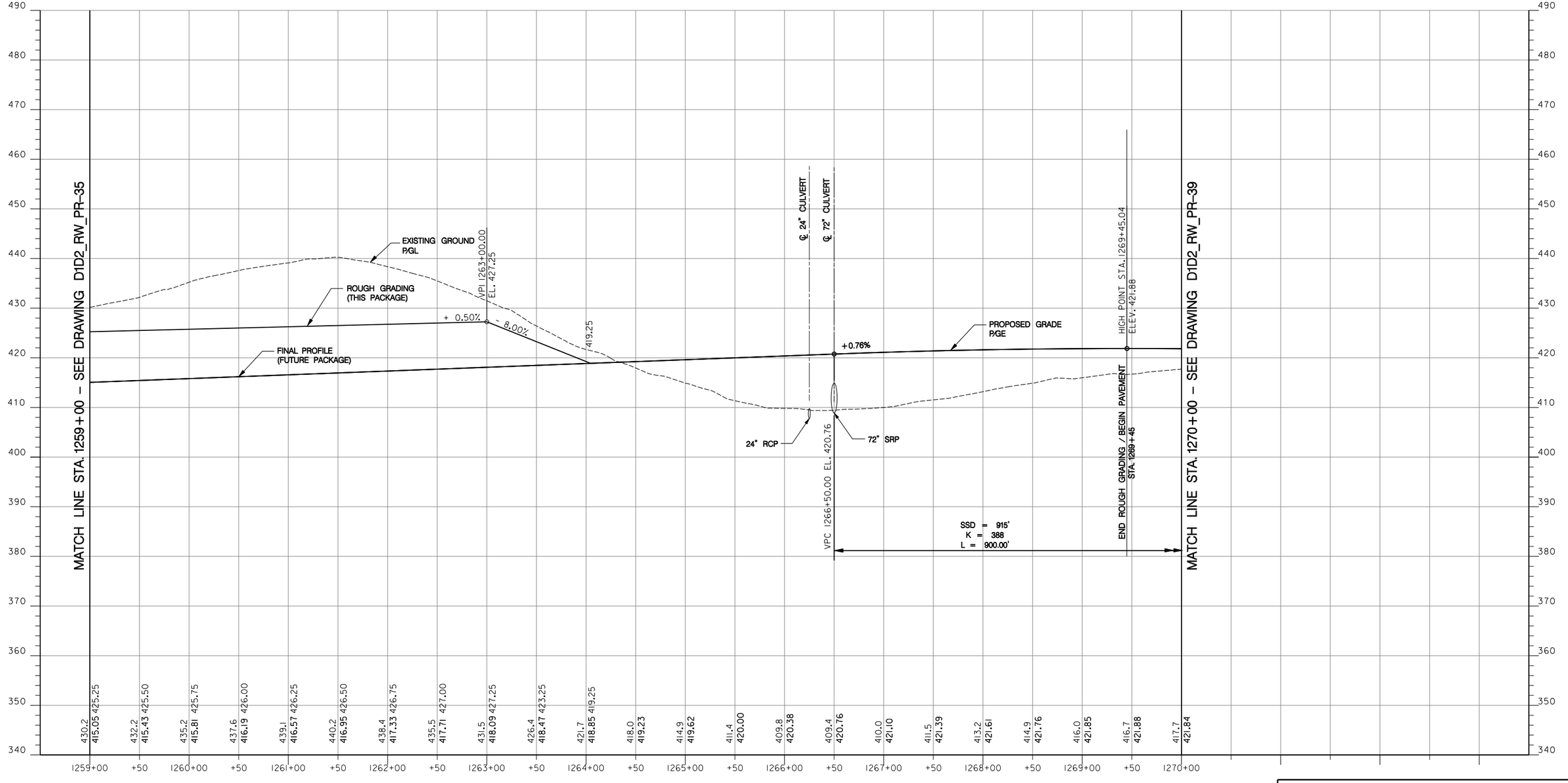
ROADWAY PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-35 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:21 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PHP-V035_ICC-A_D1D2.DGN



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

ROADWAY PROFILE

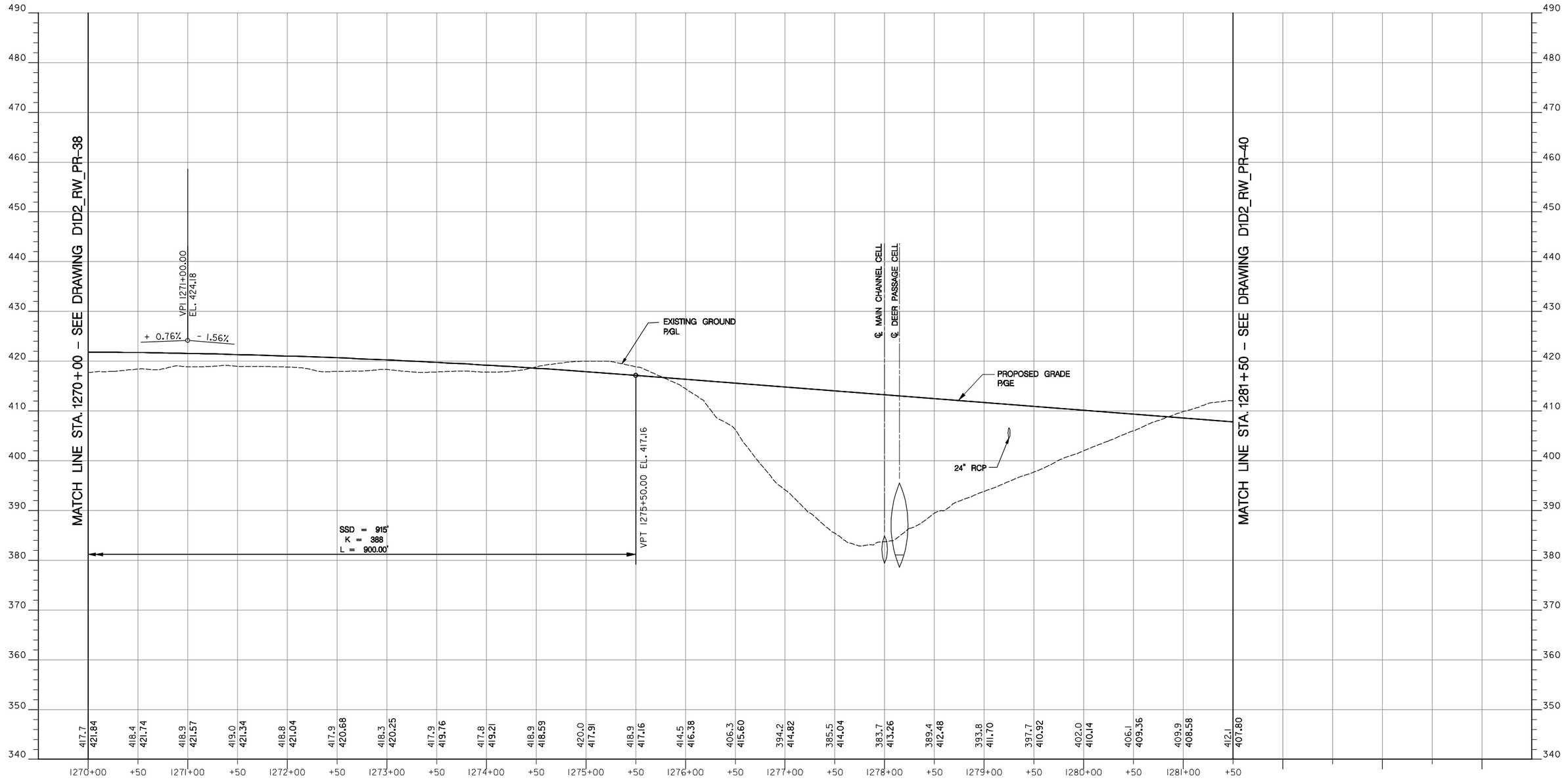
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-38 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:21 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PHP-V038_ICC-A_D1D2.DGN

BY: 34972



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

BY: C0036708

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

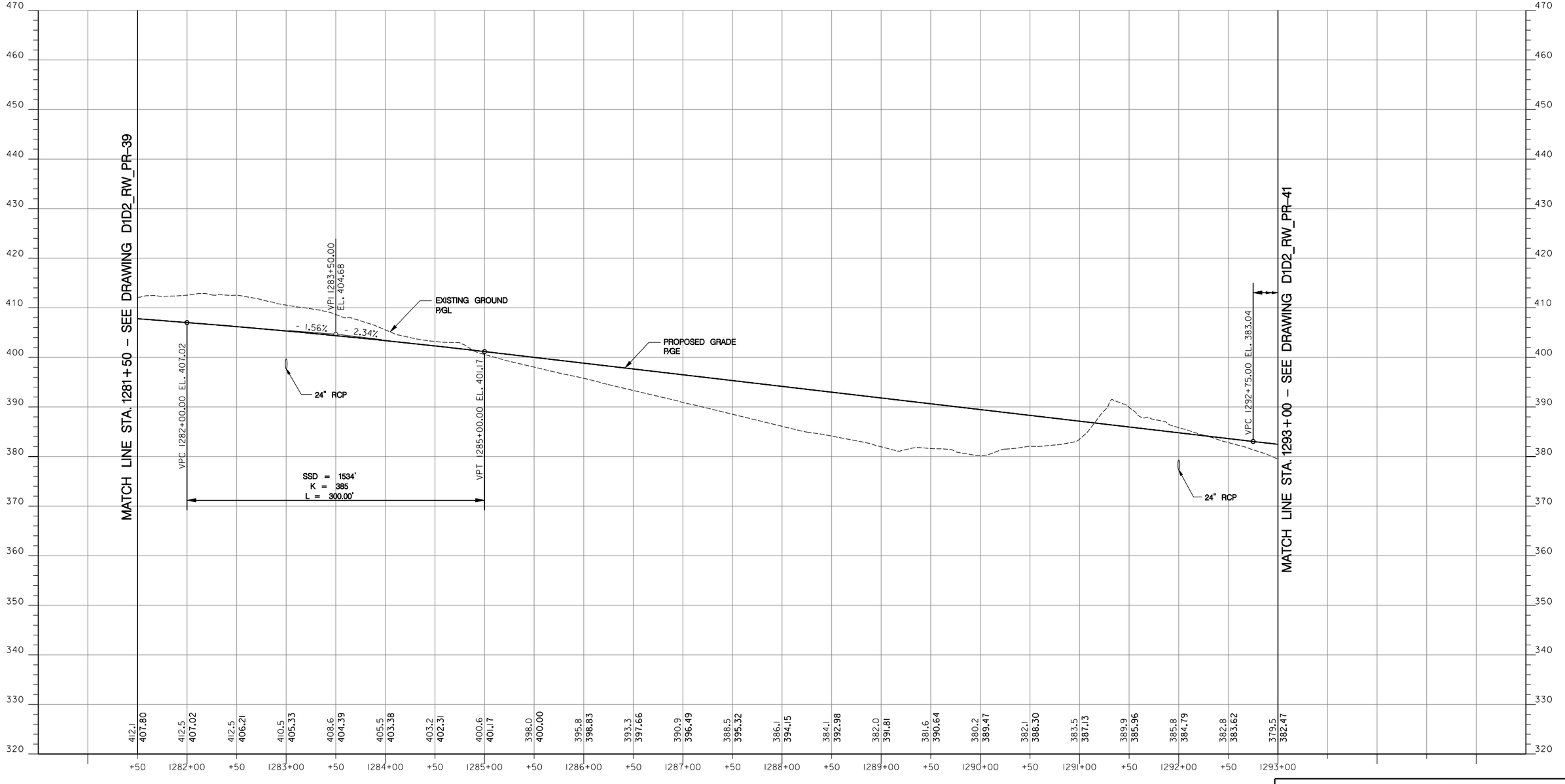
ROADWAY PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-39 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 05:20 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHP-V039_ICC-A_D1D2.DGN



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

BY: 34972

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

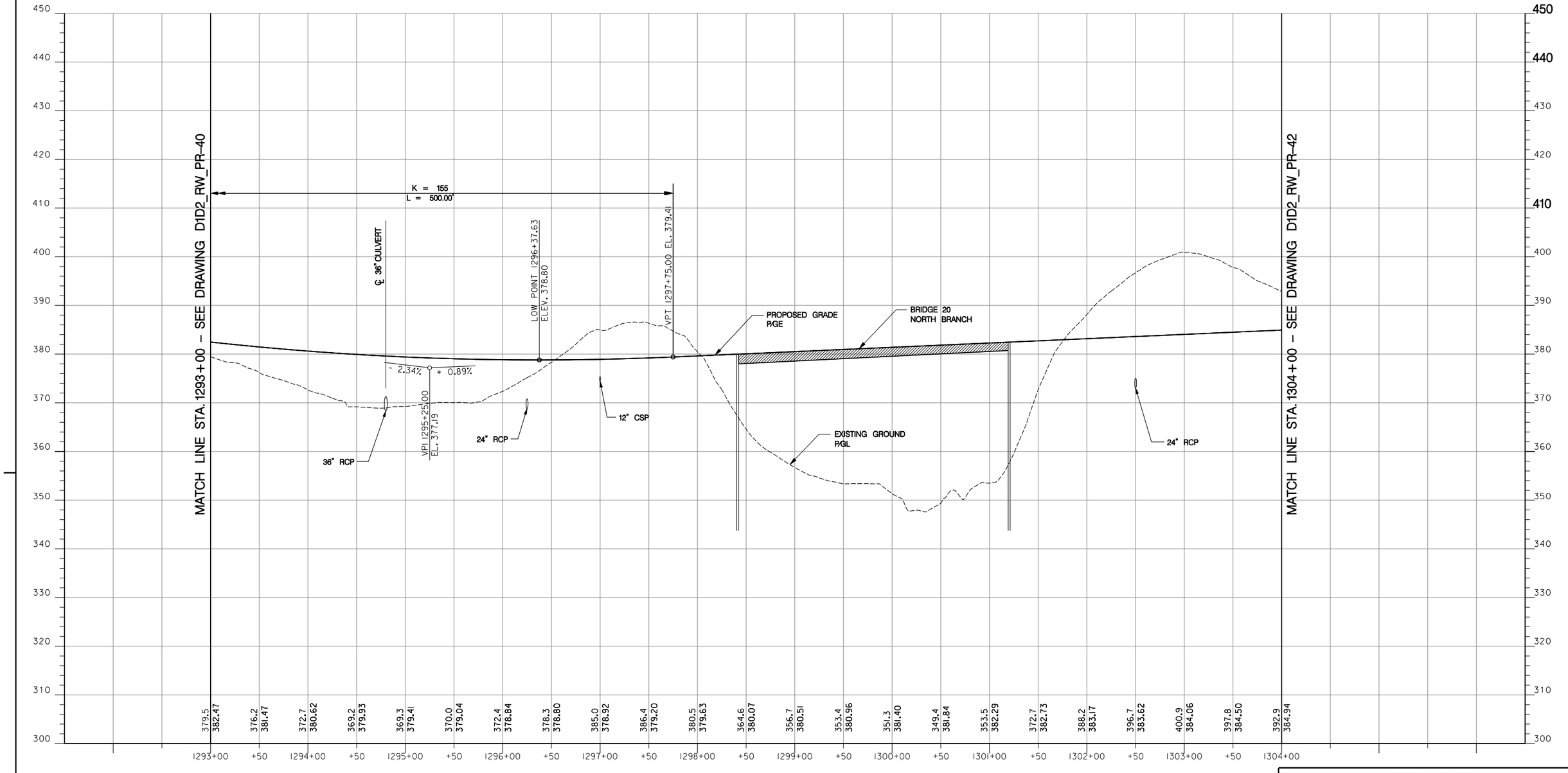
ROADWAY PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-40 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:22 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04232\PHP-V040_ICC-A_D1D2.DGN



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

BY: 34972

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

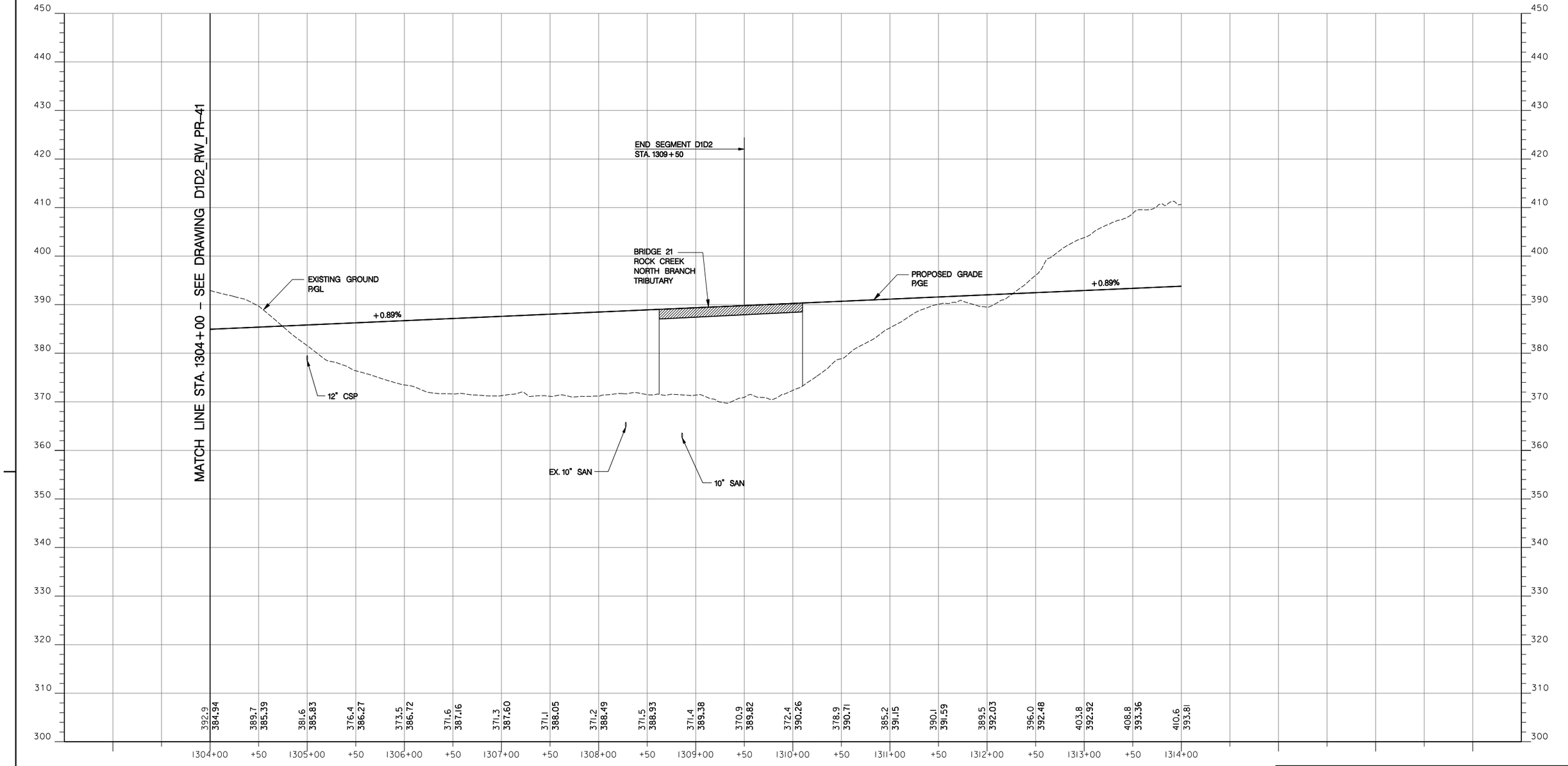
ROADWAY PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-41 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:23 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84232\PHP-V041_ICC-A_D1D2.DGN



SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONNECTOR – MAINLINE

DATUM: NAD 83\91 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

BY: 34972

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

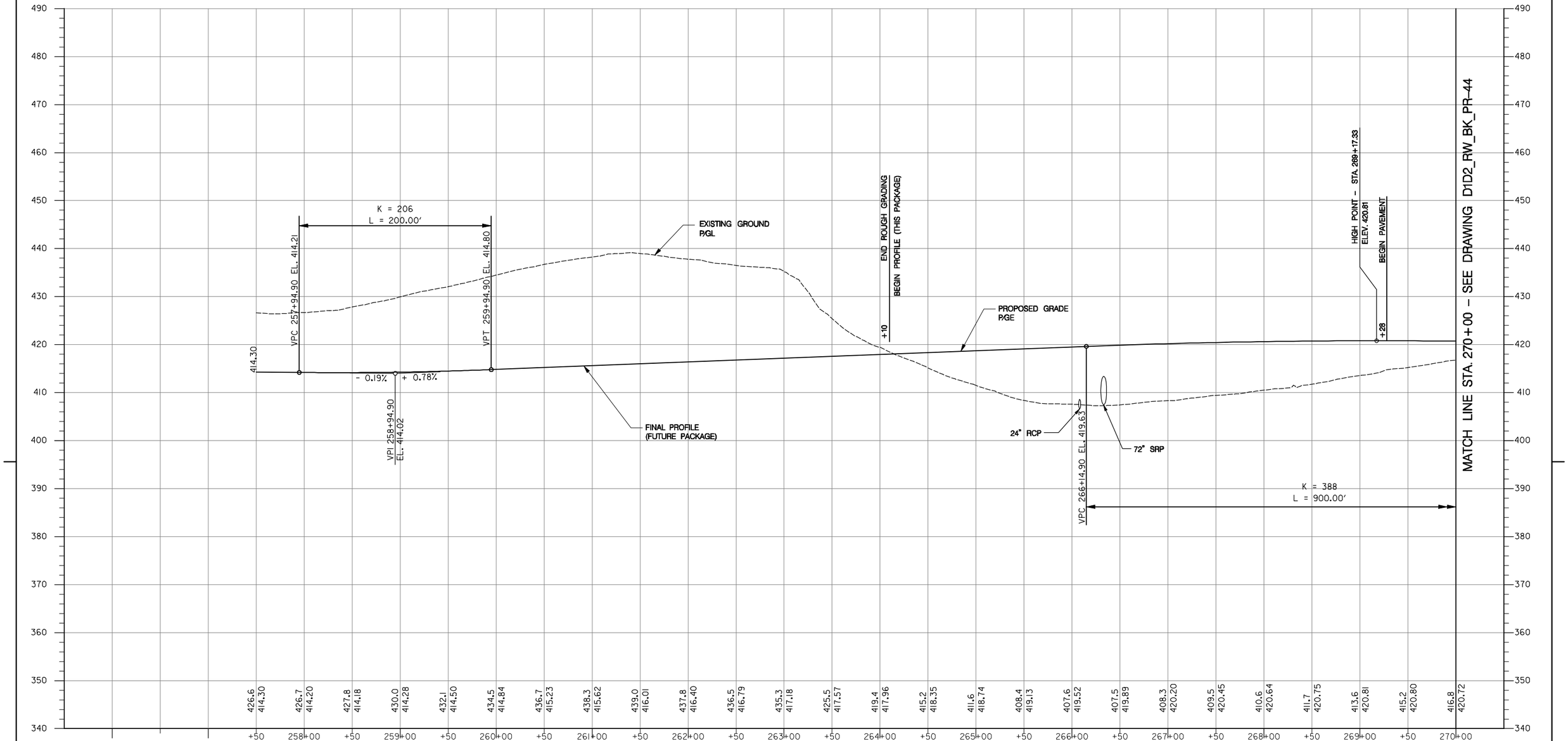
ROADWAY PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_PR-42 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 08:23 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84232\PHP-V042.ICC-A.D1D2.DGN



BIKE PATH

SEGMENT D1D2
ISSUED FOR REVIEW

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

BIKE PATH PROFILE

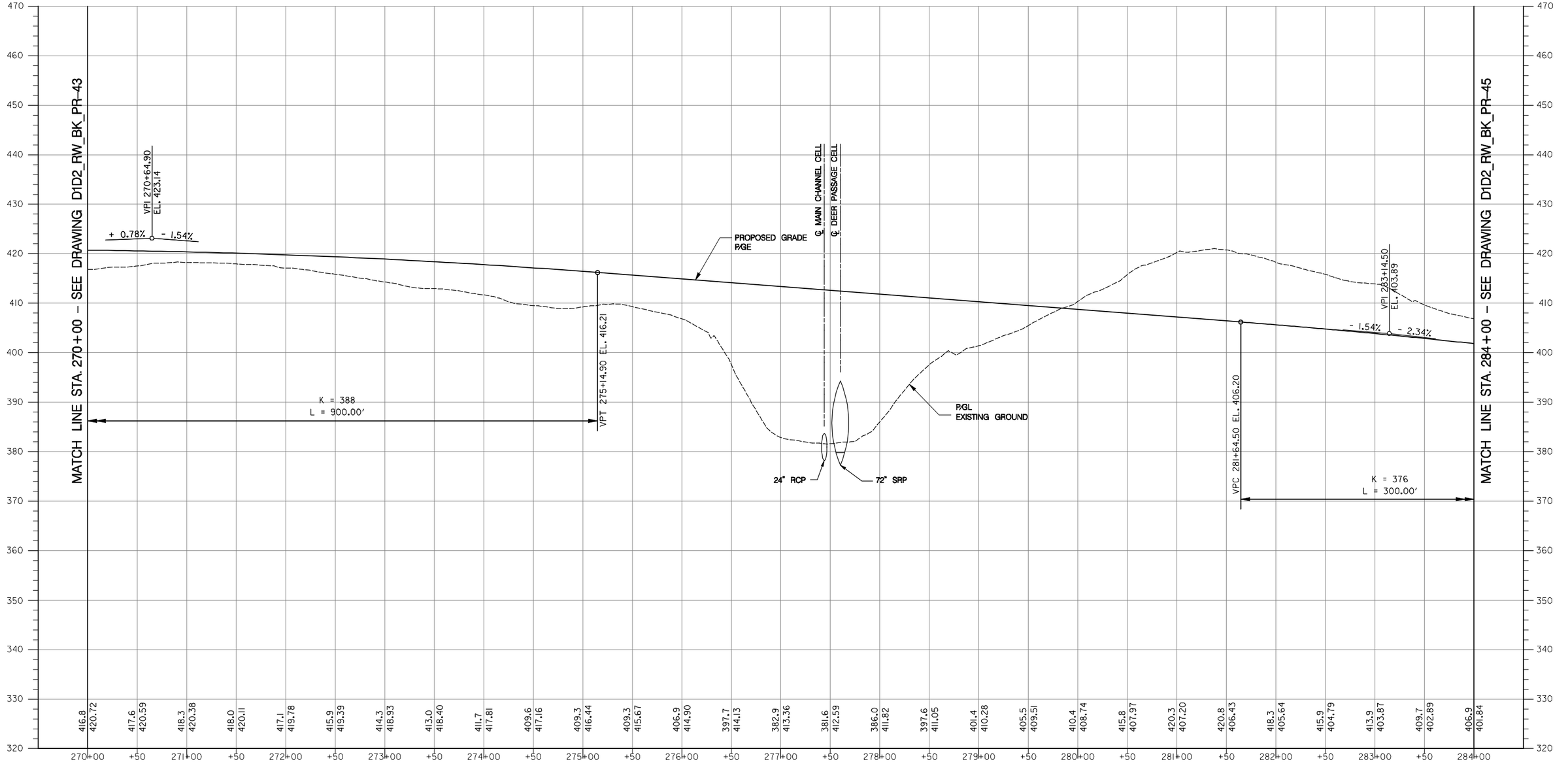
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_BK_PR-43 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:29 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHP-V843_ICC-A_D1D2.DGN

BY: C0036708



BIKE PATH

SEGMENT D1D2
ISSUED FOR REVIEW

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

DATUM: NAD 83\91 Horizontal
NAVD 88 Vertical

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

BIKE PATH PROFILE

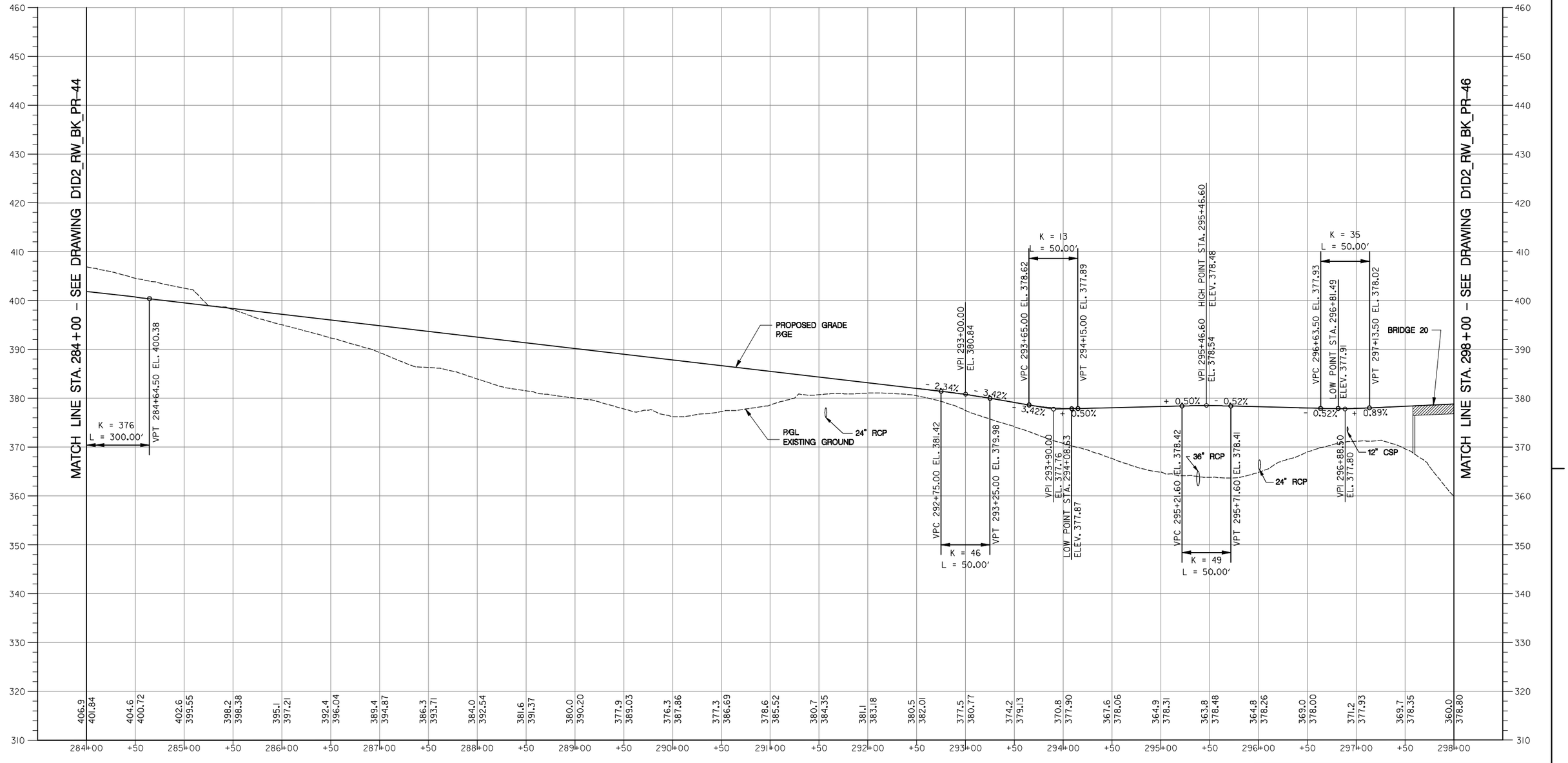
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY J.L. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_BK_PR-44 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:35 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHP-V844_ICC-A_D1D2.DGN

BY: C0036708



BIKE PATH

SEGMENT D1D2
ISSUED FOR REVIEW

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

DATUM: NAD 83\91 Horizontal
NAVD 88 Vertical

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
DID2 GRADING, DRAINAGE AND PAVING

BIKE PATH PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

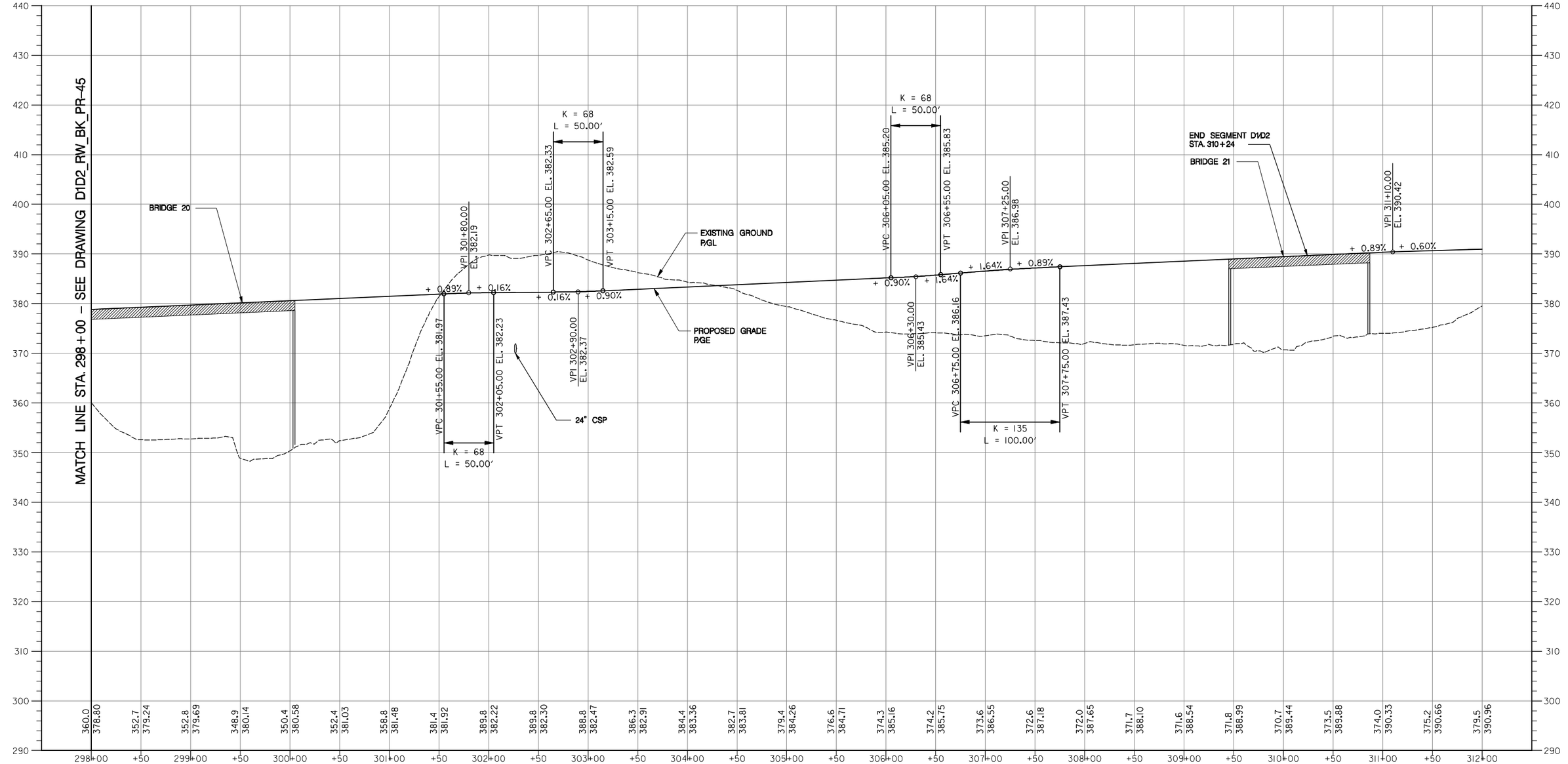
DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.M. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_RW_BK_PR-45 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:36 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHP-V845_ICC-A_D1D2.DGN

BY: C0036708

MATCH LINE STA. 298+00 – SEE DRAWING D1D2_RW_BK_PR-45



BIKE PATH

SEGMENT D1D2
ISSUED FOR REVIEW

SCALE: HORIZ. 1" = 50' (50 25 0 50)
VERT. 1" = 10' (10 5 0 10)

DATUM: NAD 8391 Horizontal
NAVD 88 Vertical

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
D1D2 GRADING, DRAINAGE AND PAVING

REVISIONS

BIKE PATH PROFILE

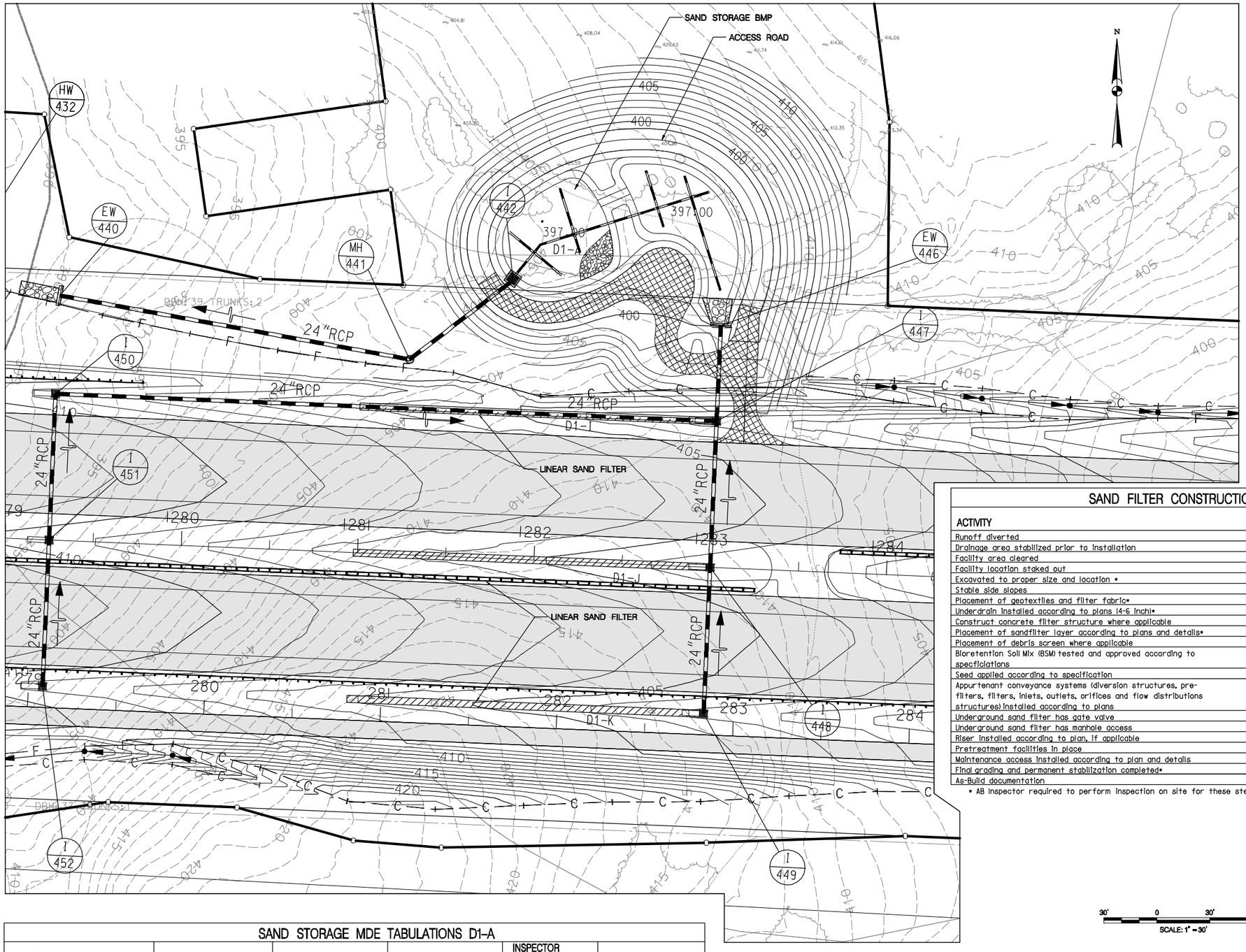
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY D.S. COUNTY MONTGOMERY
DRAWN BY W.L. LOGMILE
CHECKED BY P.M. HORIZONTAL SCALE
F.A.P. NO. AC-NH-ICC-1(1)N VERTICAL SCALE

DRAWING NO. D1D2_PW_BK_PR-46 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:38 PM
FILE: C:\PW_WORKING_XM\PTG\C0036708\DMS84232\PHP-V846_ICC-A_D1D2.DGN

BY: C0036708



SCALE: 1" = 30'

SAND FILTER CONSTRUCTION CHECKLIST

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specifications			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE MDE TABULATIONS D1-A

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	2884 SF				
Filter Bed Surface Elevation	397.00'				
Filter Inlet Pipe Size	24"				
Filter Inlet Pipe Elevation	397.00'				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	389.00'				

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

REVISIONS

SWM FACILITY D1-A GRADING PLAN

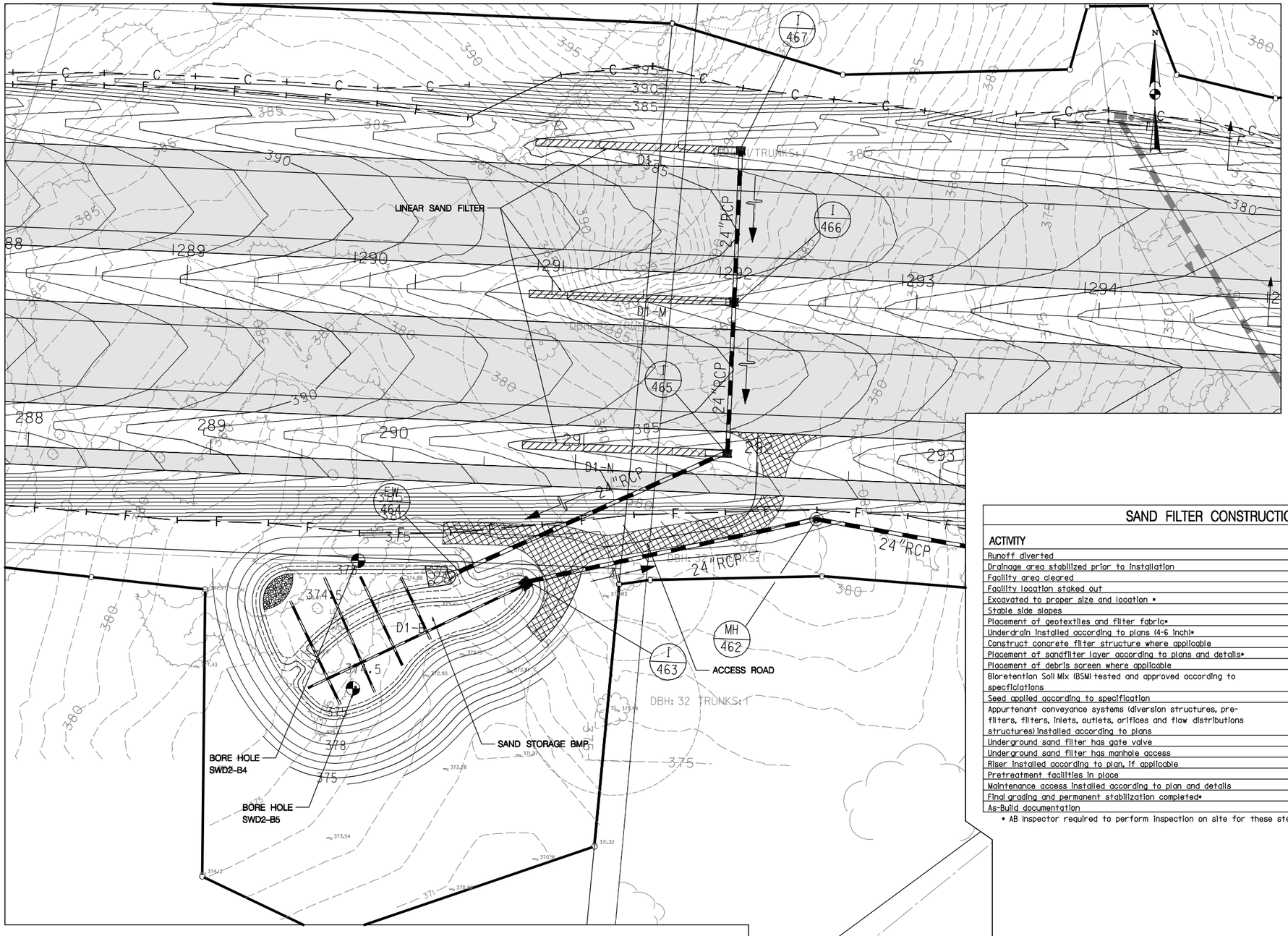
SCALE 1" = 30' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY M.B. COUNTY MONTGOMERY
DRAWN BY M.B. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_SW_PS-01 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:54 PM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PSW-D1-A-1_ICC-A.DGN

BY: C0037340



SAND FILTER CONSTRUCTION CHECKLIST

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specifications			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Built documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND FILTER MDE TABULATIONS D1-B

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	2928 SF				
Filter Bed Surface Elevation	374.50'				
Filter Inlet Pipe Size	24"				
Filter Inlet Pipe Elevation	374.50				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	367.00'				

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

REVISIONS

SWM FACILITY D1-B GRADING PLAN

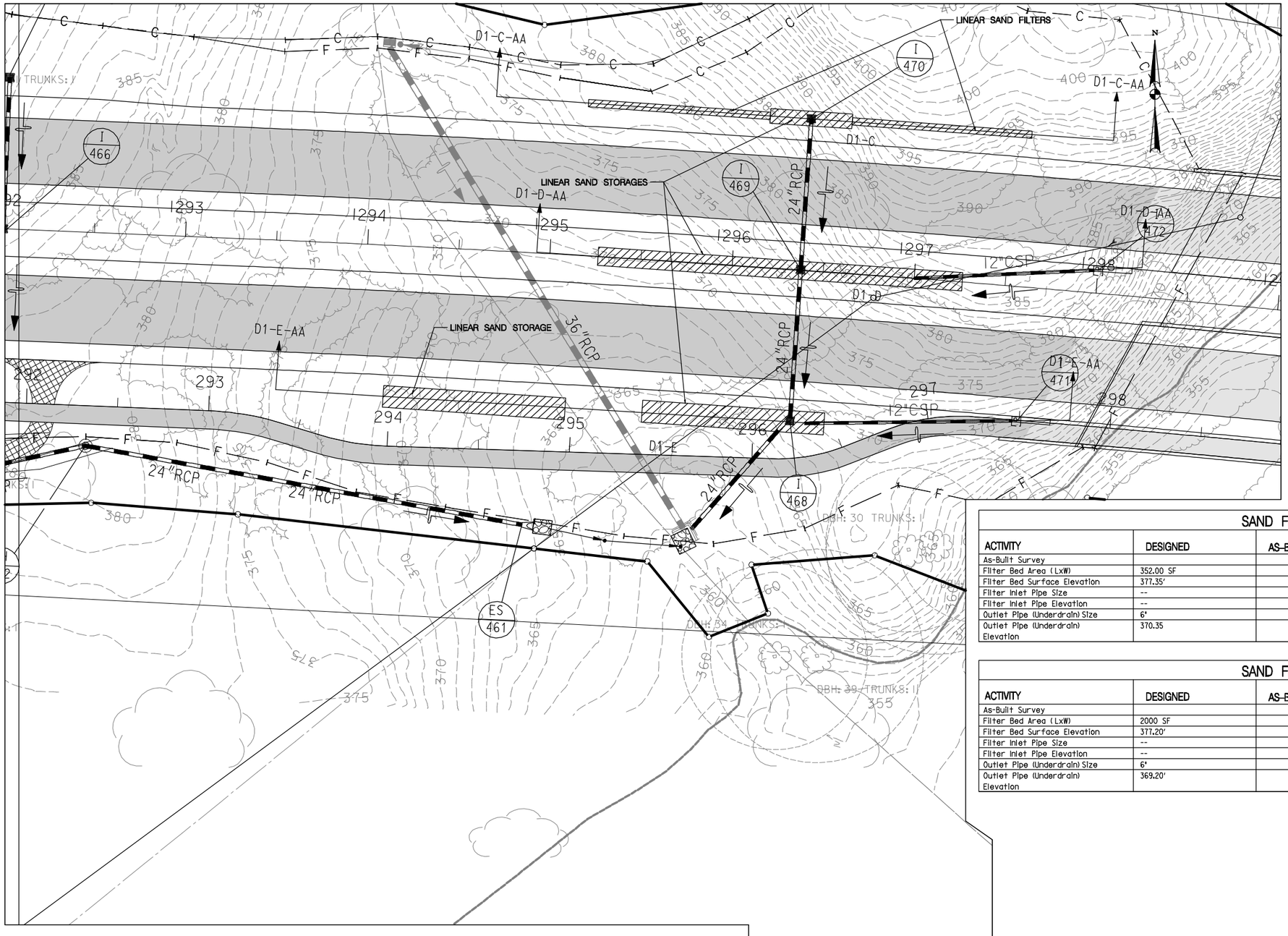
SCALE 1" = 30' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY M.B. COUNTY MONTGOMERY
DRAWN BY M.B. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_SW_PS-02 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:54 PM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PSW-D1-B-1_ICC-A.DGN

BY: C0037340



30' 0 30' 60'
SCALE: 1" = 30'

SAND FILTER MDE TABULATIONS D1-C

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	352.00 SF				
Filter Bed Surface Elevation	377.35'				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	370.35				

SAND FILTER MDE TABULATIONS D1-D

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	2000 SF				
Filter Bed Surface Elevation	377.20'				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	369.20'				

SAND FILTER MDE TABULATIONS D1-E

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	2000 SF				
Filter Bed Surface Elevation	376.48'				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	368.48'				

SEGMENT D1D2
ISSUED FOR REVIEW

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

REVISIONS

SWM FACILITY D1-C,D,E GRADING PLAN

SCALE 1" = 30' DATE OCT. 2007 CONTRACT NO. AT3765960

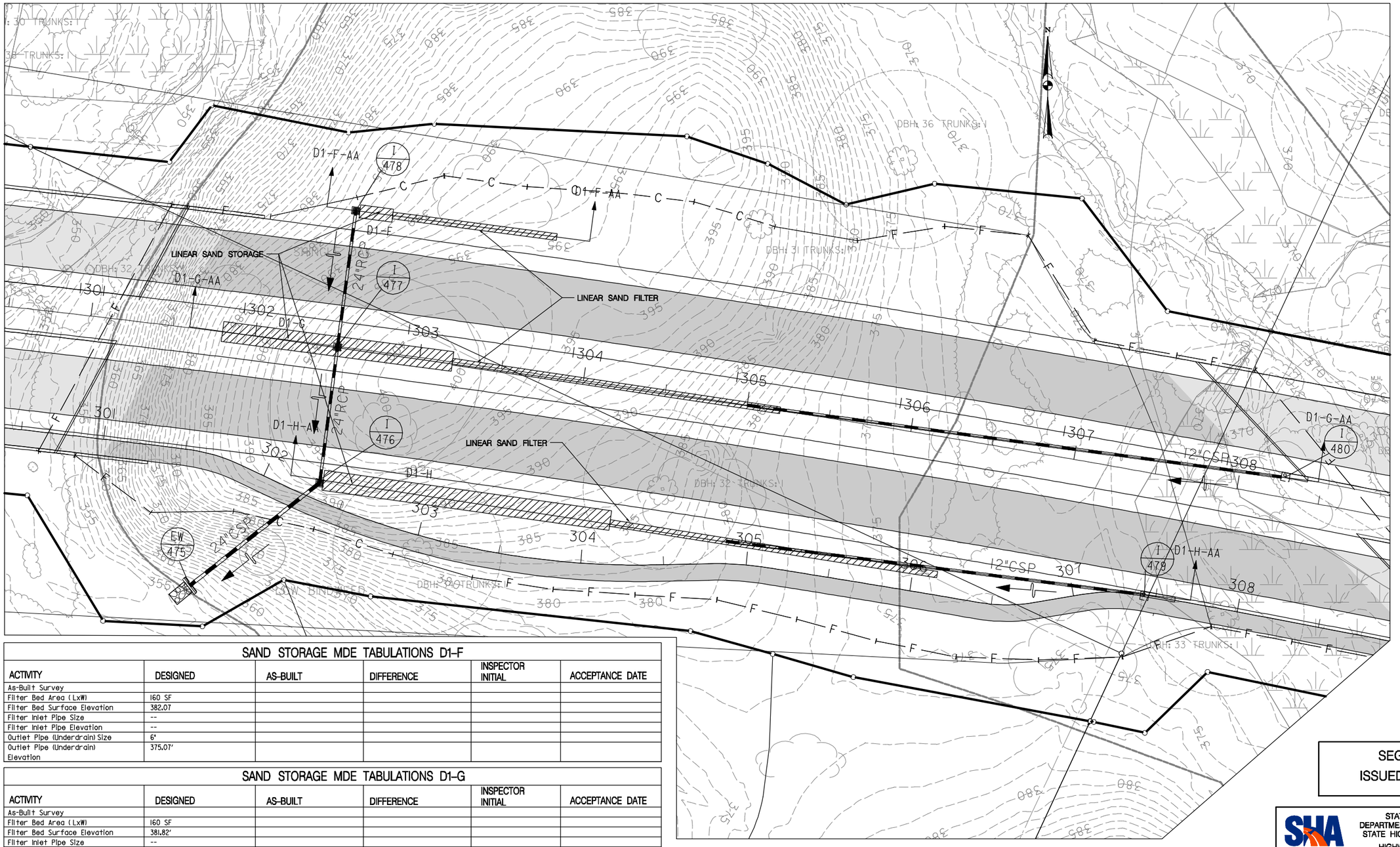
DESIGNED BY M.B.
DRAWN BY M.B.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_SW_PS-03 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:55 PM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS04236\PSW-D1-CDE-1_ICC-A.DGN

BY: C0037340



SAND STORAGE MDE TABULATIONS D1-F

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	160 SF				
Filter Bed Surface Elevation	382.07				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	375.07'				

SAND STORAGE MDE TABULATIONS D1-G

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	160 SF				
Filter Bed Surface Elevation	381.82'				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	373.87				

SAND STORAGE MDE TABULATIONS D1-H

ACTIVITY	DESIGNED	AS-BUILT	DIFFERENCE	INSPECTOR INITIAL	ACCEPTANCE DATE
As-Built Survey					
Filter Bed Area (LxW)	2100 SF				
Filter Bed Surface Elevation	380.63				
Filter Inlet Pipe Size	--				
Filter Inlet Pipe Elevation	--				
Outlet Pipe (Underdrain) Size	6"				
Outlet Pipe (Underdrain) Elevation	373.63				

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-F,G,H GRADING PLAN

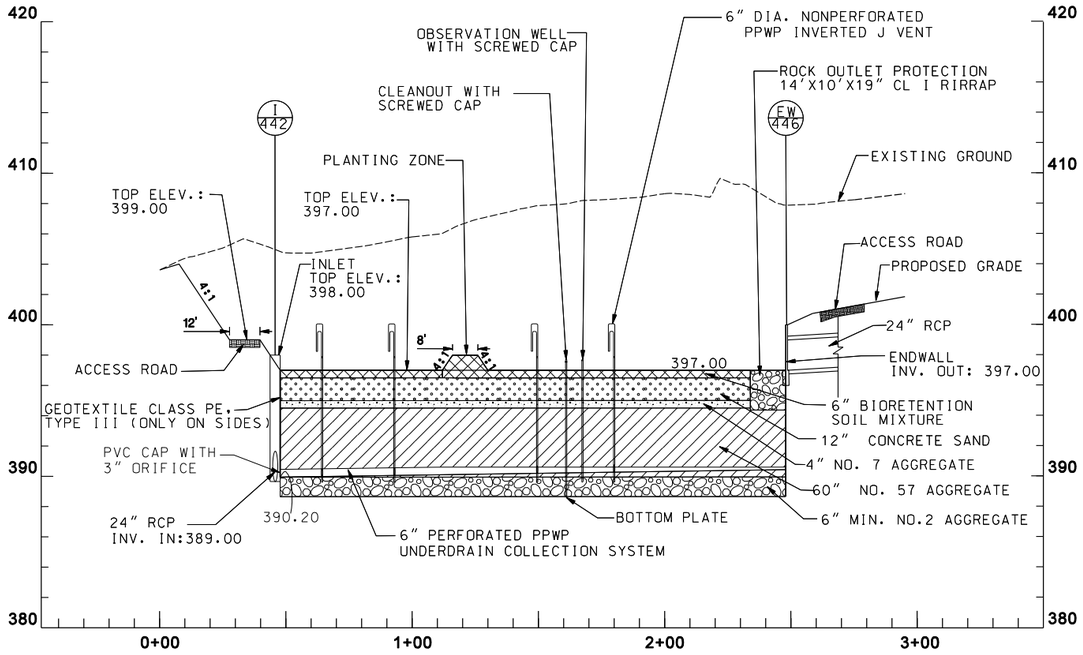
SCALE 1" = 30' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY M.B. COUNTY MONTGOMERY
DRAWN BY M.B. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

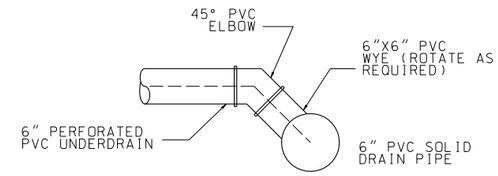
DRAWING NO. D1D2_DR_SW_PS-04 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:55 PM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PSW-D1-FGH-1_ICC-A.DGN

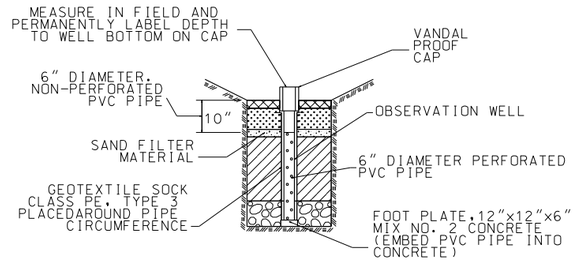
BY: C0037340



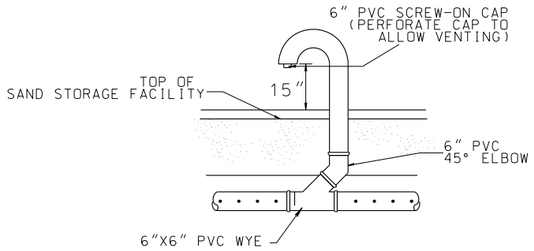
PROFILE ALONG SECTION D1-A
SCALE: HOR. 1"=30'
VER. 1"=5'



UNDERDRAIN CONNECTION DETAIL TO MAINLINE SOLID DRAIN PIPE
NTS

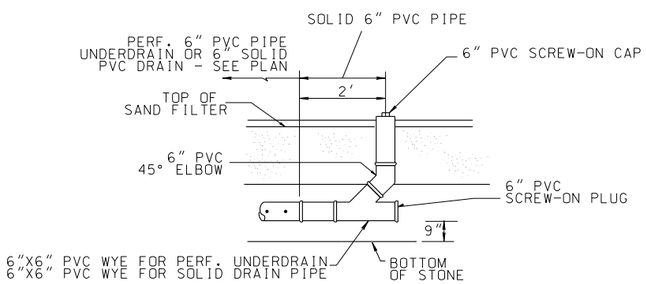


OBSERVATION WELL DETAIL
NTS



J-VENT DETAIL
NTS

NOTE: VENTS AND CLEANOUTS SHALL USE BLACK PVC PIPE



PVC CLEANOUT DETAIL
NTS

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-A - DETAILS

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

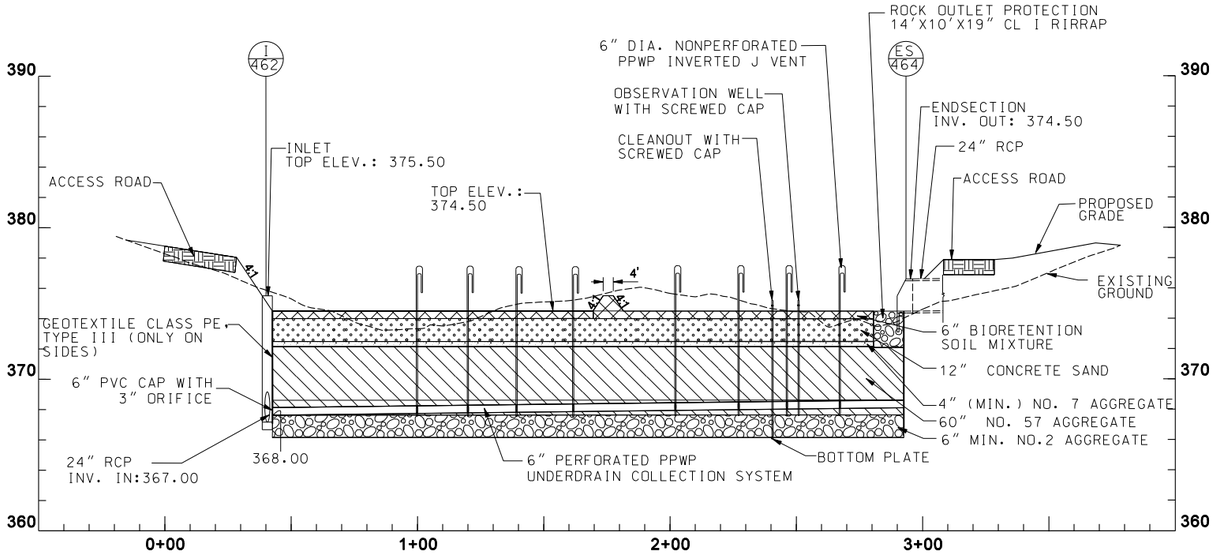
DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

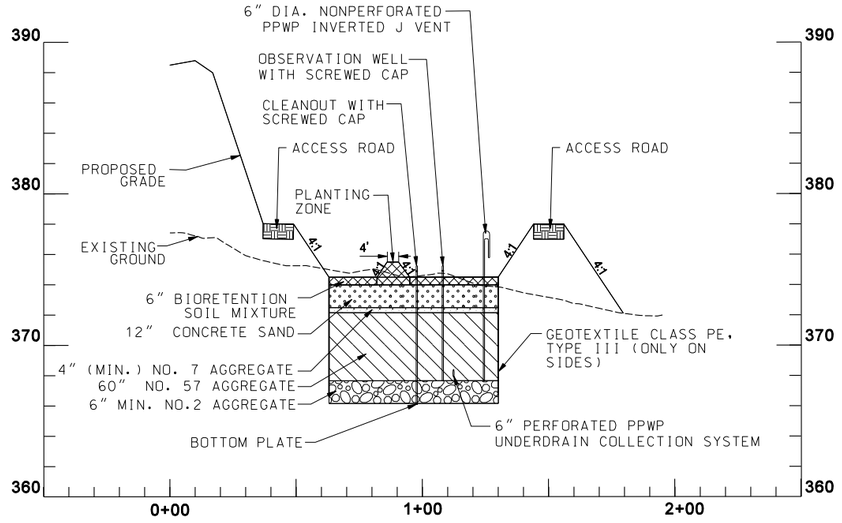
DRAWING NO. D1D2_DR_SW_DE-01 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:16 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84236\PSW-D1-A-2_ICC-A.DGN

BY: 34972

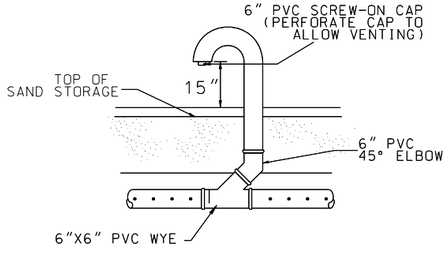


PROFILE ALONG SECTION D1-B-1
SCALE: HOR. 1"=30'
VER. 1"=5'

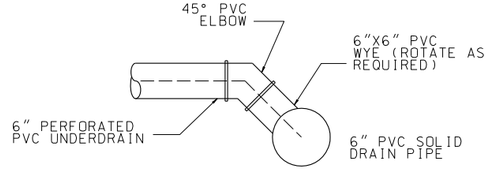


NOTE: SEE D1-B1 FOR DETAILS

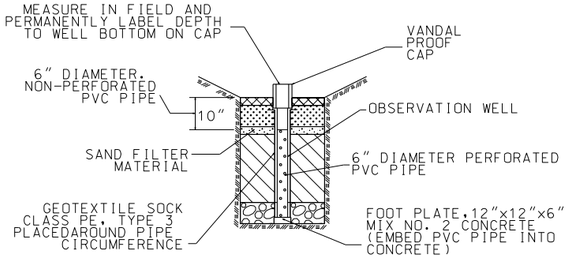
PROFILE ALONG SECTION D1-B-2
SCALE: HOR. 1"=30'
VER. 1"=5'



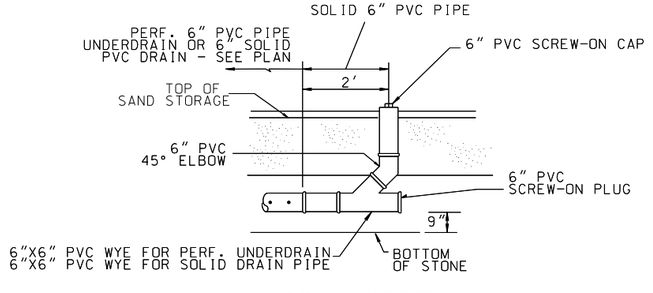
J-VENT DETAIL
NTS



UNDERDRAIN CONNECTION DETAIL TO MAINLINE SOLID DRAIN PIPE
NTS



OBSERVATION WELL DETAIL
NTS



PVC CLEANOUT DETAIL
NTS

NOTE: VENTS AND CLEANOUTS SHALL BE BLACK PVC PIPE

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-B-DETAILS

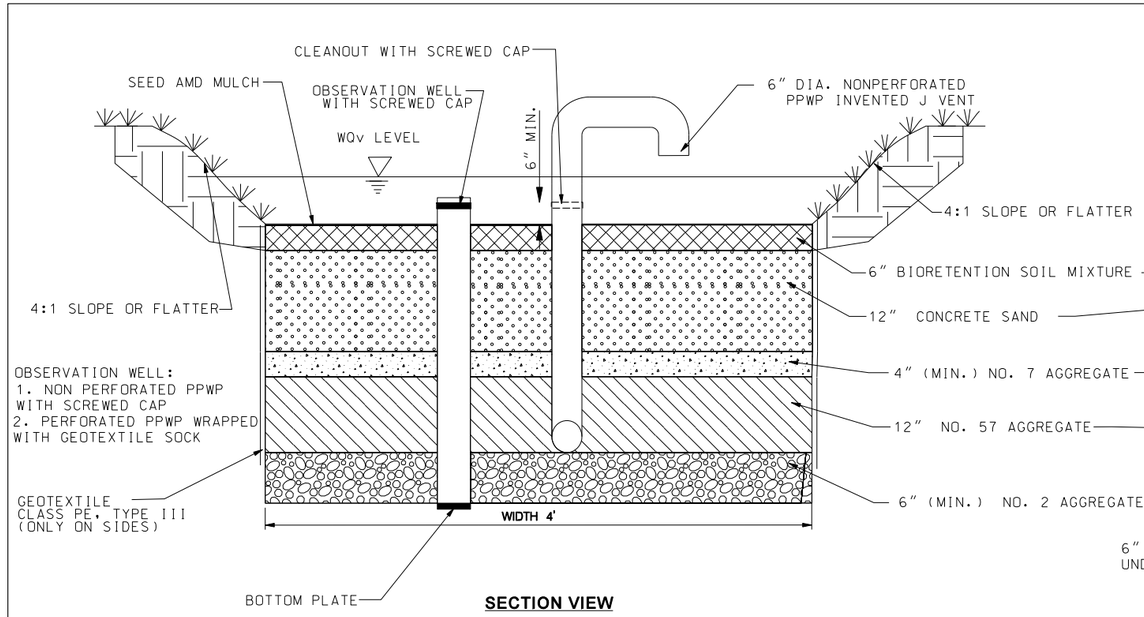
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

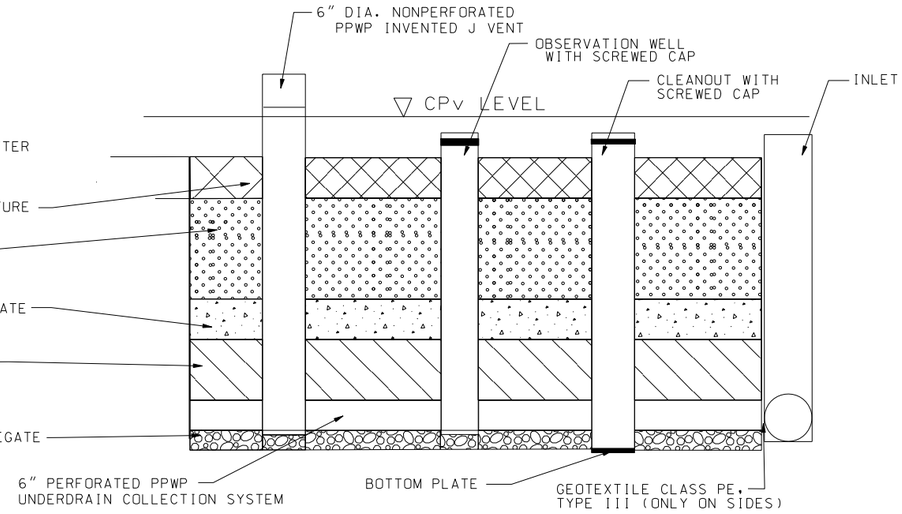
DRAWING NO. D1D2_DR_SW_DE-02 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:21 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84236\PSW-D1-B-2_ICC-A.DGN

BY: 34972



SECTION VIEW



PROFILE VIEW

LINEAR SAND FILTER ---TYPICAL SECTION
N.T.S.

STANDARD SAND FILTER

STATION LIMIT		OFFSET (FT)	LT/RT	WIDTH (FT)	LENGTH (FT)
FROM	TO				
1280+98	1282+98	83'	LT	4	200
1280+98	1282+98	0'	MEDIAN	4	200
1280+98	1282+98	83'	RT	4	200
1290+88	1291+98	83'	LT	4	110
1290+88	1291+98	0'	MEDIAN	4	110
1290+88	1291+98	83'	RT	4	110
1295+16	1296+16	83'	LT	4	100
1296+60	1297+60	83'	LT	4	100
1302+78	1303+78	83'	LT	4	100
1303+20	1305+20	0'	MEDIAN	4	200
1304+30	1306+30	83'	RT	4	200

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM SAND FILTER – DETAILS

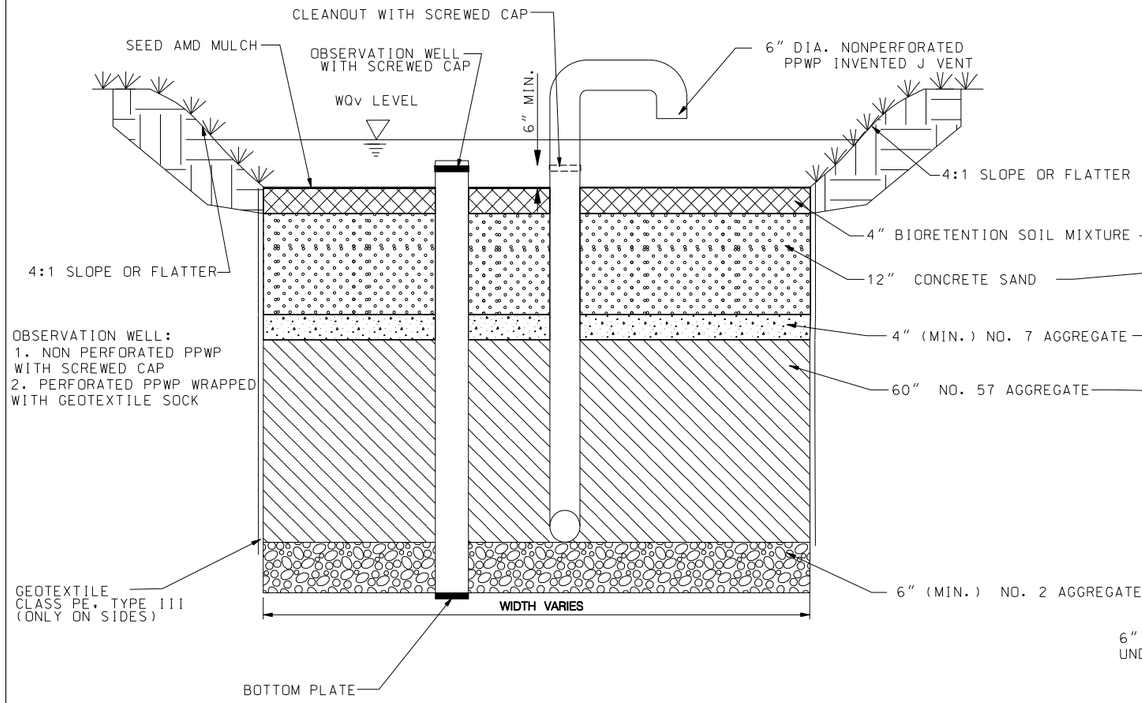
SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

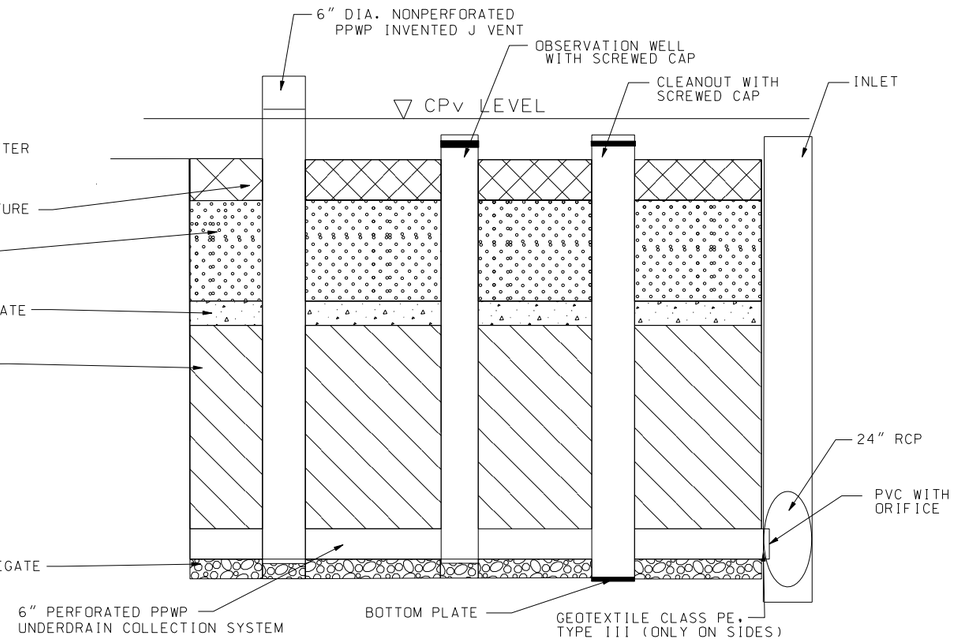
DRAWING NO. D1D2_DR_SW_DE-03 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:24 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84236\PSW-D1-SF-1.ICC-A.DGN

BY: 34972



SECTION VIEW



PROFILE VIEW

LINEAR SAND STORAGE ---TYPICAL SECTION
N.T.S.

LINEAR SAND STROAGE

STATION LIMIT		OFFSET (FT)	LT/RT	WIDTH (FT)	LENGTH (FT)	ORIFICE (IN)	BMP ID
FROM	TO						
1296+16	1296+60	83'	LT	8	44	1	C
1295+26	1297+26	0'	MEDIAN	10	200	1.5	D
1294+12	1295+12	83'	RT	10	100	1	E
1295+55	1296+55	83'	RT	10	100	1.5	F
1295+02	1295+22	83'	LT	8	20	1	F
1301+70	1303+20	0'	MEDIAN	11	150	1.5	G
1302+52	1304+27	83'	RT	12	175	1.5	H

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-CDEFGH - DETAILS

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_SW_DE-04 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:26 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84236\PSW-D1-SS-1.ICC-A.DGN

BY: 34972

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–C

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–D

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–E

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–F

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–G

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SAND STORAGE CONSTRUCTION CHECKLIST BMP D1–H

ACTIVITY	ON SITE INSPECTION DATE	INSPECTOR INITIAL	ACCEPTANCE DATE
Runoff diverted			
Drainage area stabilized prior to installation			
Facility area cleared			
Facility location staked out			
Excavated to proper size and location •			
Stable side slopes			
Placement of geotextiles and filter fabric•			
Underdrain installed according to plans (4-6 inch)•			
Construct concrete filter structure where applicable			
Placement of sandfilter layer according to plans and details•			
Placement of debris screen where applicable			
Bioretention Soil Mix (BSM) tested and approved according to specficiations			
Seed applied according to specification			
Appurtenant conveyance systems (diversion structures, pre-filters, filters, inlets, outlets, orifices and flow distributions structures) installed according to plans			
Underground sand filter has gate valve			
Underground sand filter has manhole access			
Riser installed according to plan, if applicable			
Pretreatment facilities in place			
Maintenance access installed according to plan and details			
Final grading and permanent stabilization completed•			
As-Build documentation			

• AB Inspector required to perform inspection on site for these steps as required by COMAR 26.17.02.10

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1–CDEFGH – DETAILS

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

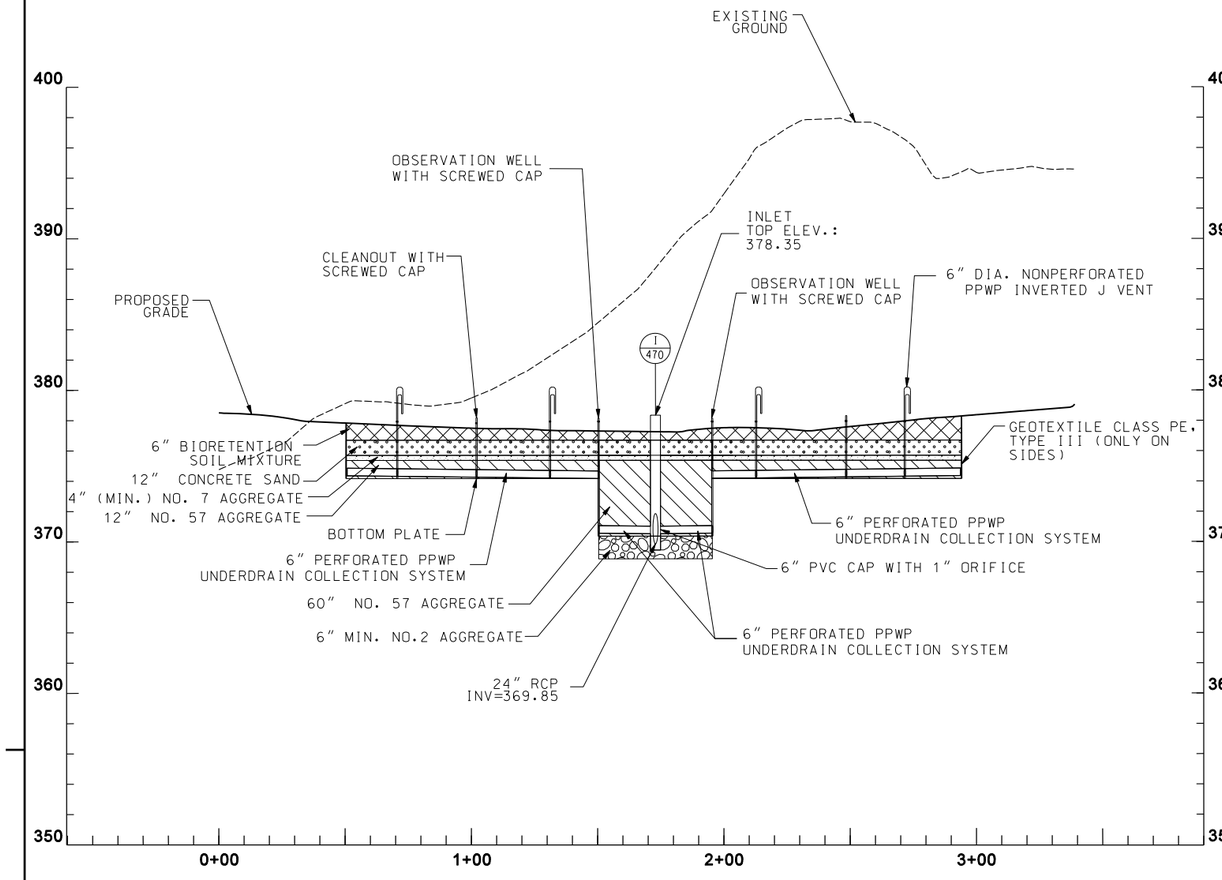
DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

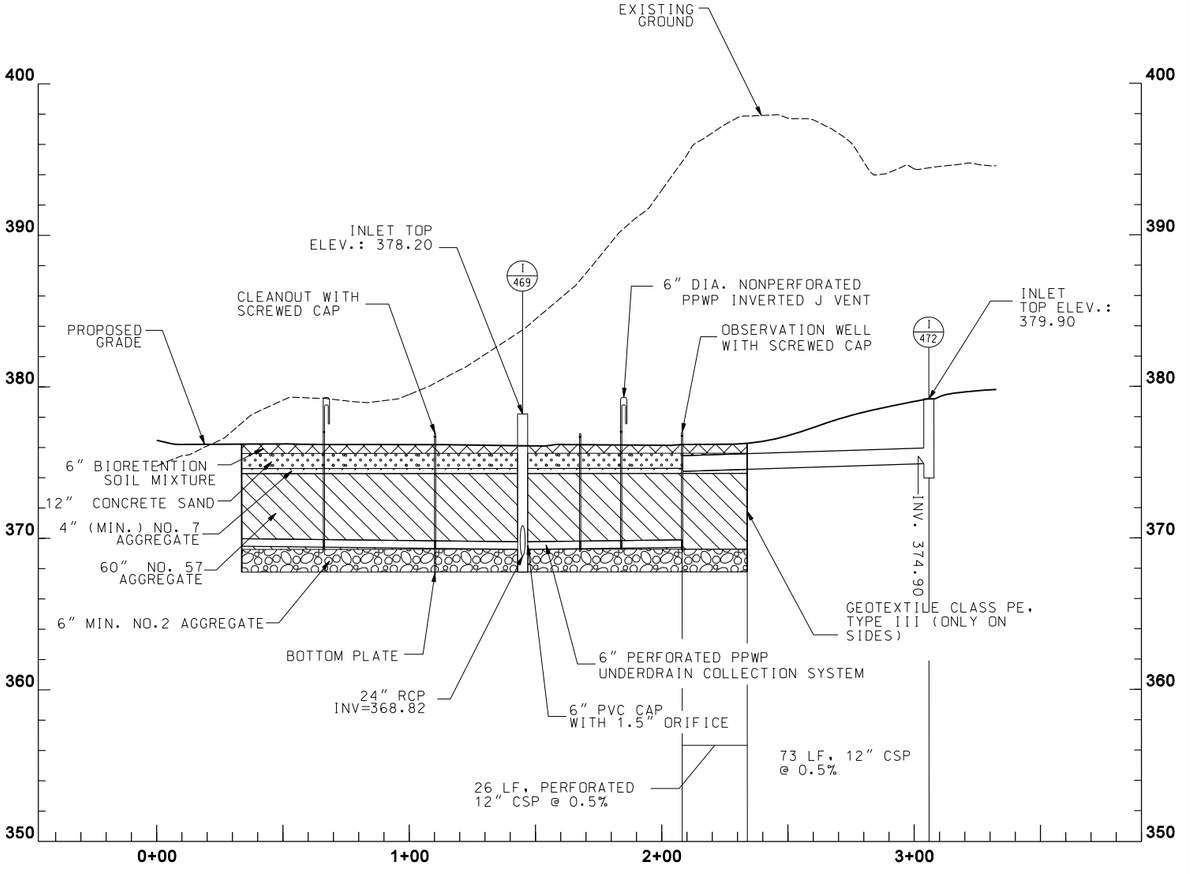
DRAWING NO. D1_DR_SW_DE-05 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:27 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04236\PSW-D1-SS-2.ICC-A.DGN

BY: 34972



PROFILE ALONG SECTION D1-C-AA
SCALE: HOR. 1"=30'
VER. 1"-5'



PROFILE ALONG SECTION D1-D-AA
SCALE: HOR. 1"=30'
VER. 1"-5'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-C,D DETAILS

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

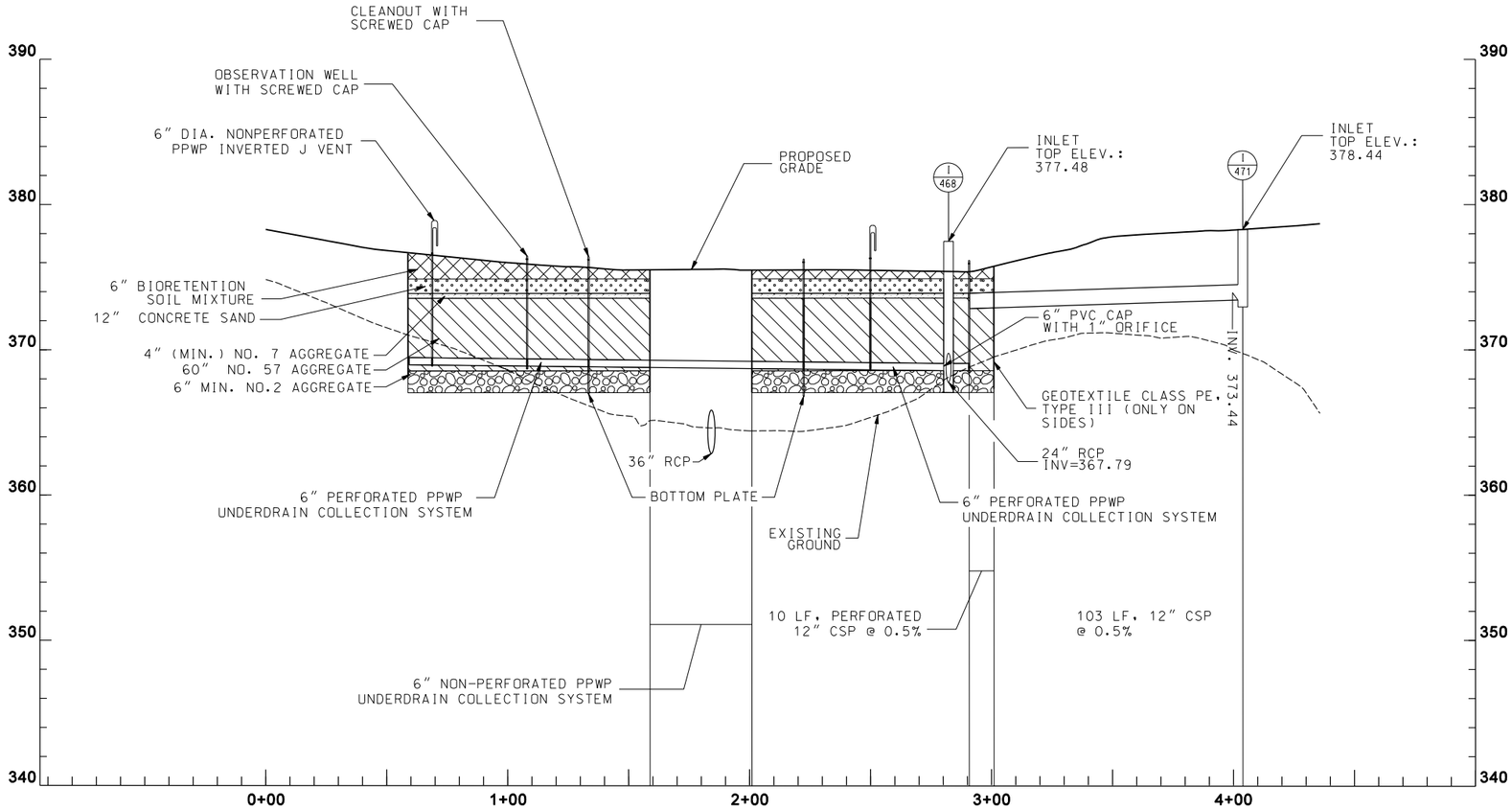
DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY KH
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_SW_DE-06
SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:29 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84236\PSW-D1-CDE-3_ICC-A.DGN

BY: 34972



PROFILE ALONG SECTION D1-E-AA

SCALE: HOR. 1"=30'
VER. 1"=5'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-E DETAILS

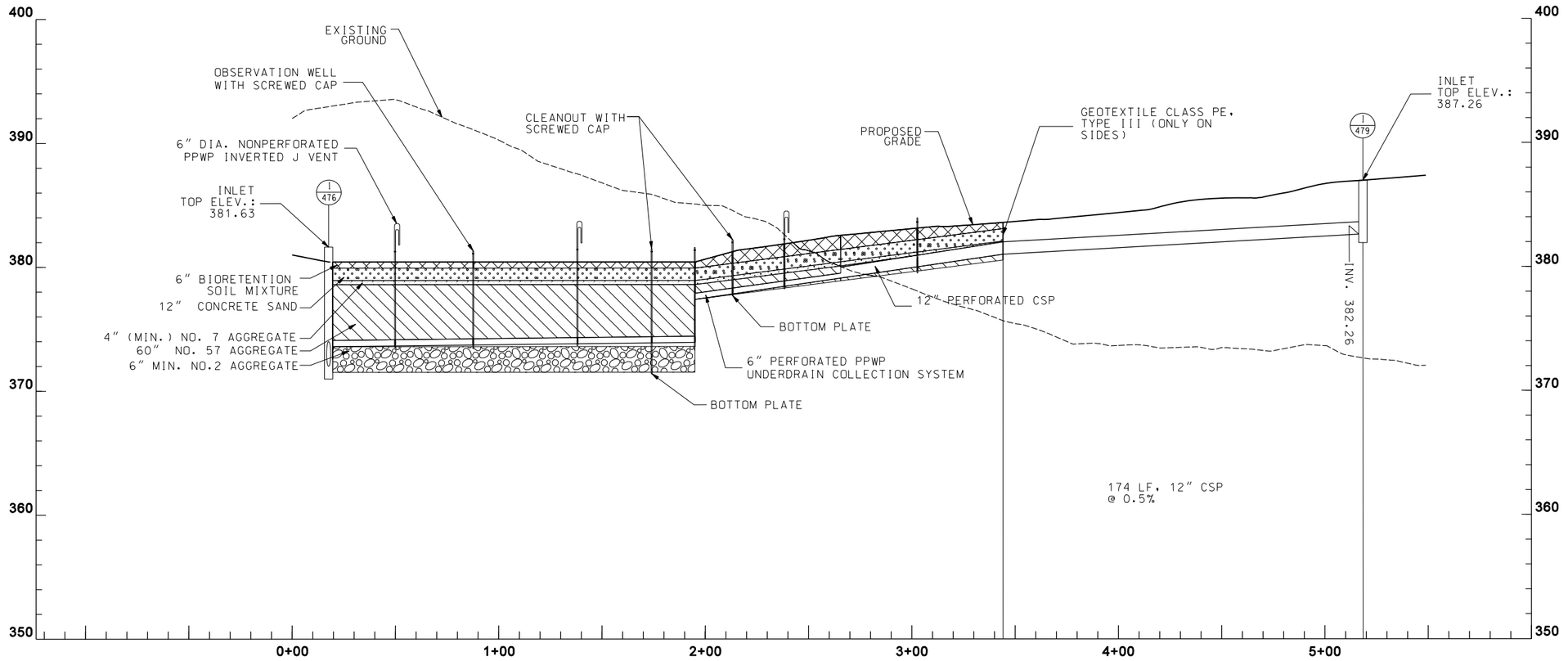
SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY KH
F.A.P. NO. AC-NH-ICC-1(1)N

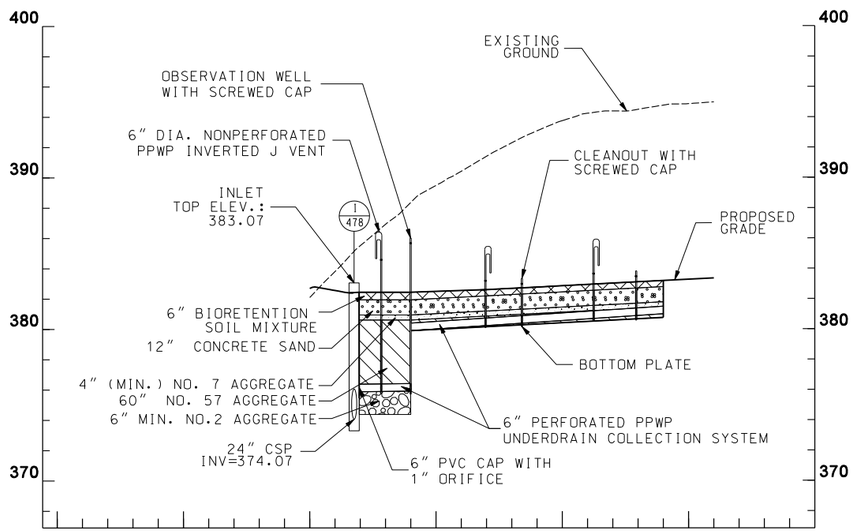
DRAWING NO. D1D2_DR_SW_DE-07 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:30 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84236\PSW-D1-CDE-4_ICC-A.DGN

BY: 34972



PROFILE ALONG SECTION D1-H-AA
SCALE: HOR. 1"=30'
VER. 1"-5'



PROFILE ALONG SECTION D1-F-AA
SCALE: HOR. 1"=30'
VER. 1"-5'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-F,H DETAILS

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

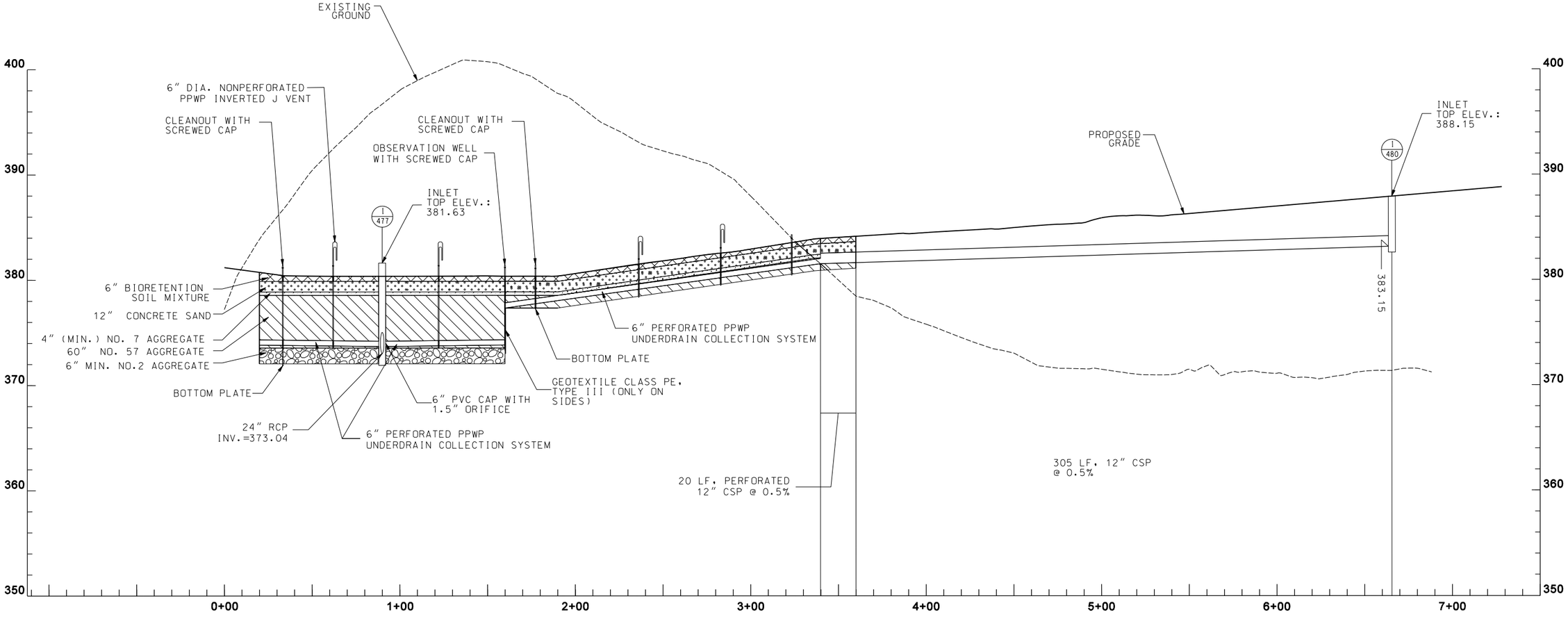
DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY KH
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_SW_DE-08 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS84236\PSW-D1-FGH-2_ICC-A.DGN

BY: 34972



PROFILE ALONG SECTION D1-G-AA
SCALE: HOR. 1"=30'
VER. 1"=5'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SWM FACILITY D1-G DETAILS

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY KH
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_SW_DE-09 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:37 AM
FILE: C:\PW_WORKING.XM\PTG\34972\DMS84236\PSW-D1-FGH-3_ICC-A.DGN

BY: 34972

EROSION AND SEDIMENT CONTROL – GENERAL NOTES

1. MDE NOTIFICATION

IF AN EROSION AND SEDIMENT CONTROL PERMIT IS ISSUED FOR THIS PROJECT, THE CONTRACTOR, UPON APPROVAL FROM SHA, MUST NOTIFY MDE IN WRITING AND/OR BY TELEPHONE (410) 537-3510 AT THE FOLLOWING POINTS:

- PRE-CONSTRUCTION MEETING
- EROSION AND SEDIMENT CONTROL MEETING (MINIMUM 7 WORKING DAYS PRIOR TO COMMENCING EARTH DISTURBING ACTIVITIES)
- FOLLOWING INSTALLATION OF INITIAL SEDIMENT CONTROL MEASURES
- DURING INSTALLATION OF MAJOR SEDIMENT CONTROL BASINS/TRAPS
- PRIOR TO REMOVAL OR MODIFICATION OF ANY SEDIMENT CONTROL STRUCTURE(S)
- PRIOR TO REMOVAL OF ALL SEDIMENT CONTROL DEVICES
- PRIOR TO FINAL ACCEPTANCE BY SHA

2. STANDARDS AND SPECIFICATIONS

THIS PLAN IS DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II AND THE MARYLAND DEPARTMENT OF ENVIRONMENT EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT REGULATIONS, AND ALL REVISIONS THERE OF, AND AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL KEEP A COPY OF THE 1994 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" ON THE SITE AT ALL TIMES.

3. INGRESS / EGRESS CONTROLS

THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS TO PREVENT THE DEPOSITION OF MATERIALS ON PUBLIC ROADS. ALL MATERIALS DEPOSITED ON PUBLIC ROADS SHALL BE MECHANICALLY REMOVED IMMEDIATELY. THE FLUSHING OF ROAD SURFACES IS PROHIBITED.

TYPICALLY, ALL INGRESS AND EGRESS POINTS SHALL BE CONTROLLED THROUGH THE USE OF A "STABILIZED CONSTRUCTION ENTRANCE."

CONTRACTOR TO MAKE THE SCE LONGER AND WIDER THAN THE MINIMUM DIMENSIONS AS FEASIBLE.

4. INSPECTION

THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN AN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES.

5. SHUTDOWNS AND OR PENALTIES

TOTAL COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS EXPECTED AT ALL TIMES. IN CASES WHERE THE CONTRACTOR IS FOUND TO BE IN NON-COMPLIANCE SHA MAY TAKE STEPS TO IMPOSE SELECTED OR TOTAL SHUTDOWNS AND IMPOSE PER DAY PENALTIES FOR NON-COMPLIANCE.

THE DISTRICT ENGINEER CAN IMPOSE A TOTAL OR PARTIAL SHUTDOWN IF THE PROJECT MAY ADVERSELY IMPACT THE WATERS OF THE STATE.

6. RECORD KEEPING

THE PROJECTS' APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, APPROVED CHANGE REQUESTS, DAILY LOG BOOKS AND TEST REPORTS WILL BE AVAILABLE AT THE SITE FOR INSPECTION BY DULY AUTHORIZED OFFICIALS OF MDE.

7. EROSION AND SEDIMENT CONTROL EXCAVATION

SILT REMOVED FROM CONTROL DEVICES SHALL BE PLACED IN AN APPROVED WASTE SITE EITHER ON OR OFF THE PROJECT. MATERIAL STORED ON SITE MAY BE REUSED ONCE IT IS DRIED AND IF IT MEETS SHA REQUIREMENTS FOR EMBANKMENT OR ANY UNSPECIFIED NEED.

8. OFF-SITE UTILITY WORK

SEDIMENT CONTROL FOR UTILITY CONSTRUCTION IN AREAS OUTSIDE OF DESIGNED CONTROLS SHALL FOLLOW THESE ADDITIONAL BEST MANAGEMENT PRACTICES:

(a) CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK

(b) EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.

(c) TRENCHES FOR UTILITY INSTALLATIONS SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. WHEN THIS IS NOT POSSIBLE, THE AREA SHALL CONFORM TO (d).

(d) TEMPORARY SILT FENCES SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

9. SENSITIVE AREAS

NO CONSTRUCTION ACTIVITIES SHALL BE UNDERTAKEN WITHIN SPECIFIED SENSITIVE AREAS OF THE PROJECT WITHOUT PRIOR NOTIFICATION OF THE ENGINEER. ALL WORK IN THESE AREAS SHALL BE MONITORED BY A RESPONSIBLE PARTY DESIGNATED BY THE CONTRACTOR TO ASSURE THAT REASONABLE CARE IS TAKEN IN OR ADJACENT TO THESE AREAS. AREAS CONSIDERED SENSITIVE ARE DEFINED AS: FLOODPLAINS, WETLANDS (TIDAL, NONTIDAL AND ASSOCIATED BUFFERS) CRITICAL AREAS, FORESTED AREAS, ARCHEOLOGICAL SITES, HISTORIC SITES, PARKLAND AND OPEN WATER.

10. STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND FOURTEEN DAYS (14) AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

11. SITE INFORMATION

	THIS SUBMITTAL	
TOTAL AREA OF SITE	558.0	ACRES
AREA DISTURBED	1.0	ACRES
AREA TO BE ROOFED OR PAVED	11.05	ACRES
TOTAL CUT	TBD	CU.YDS.
TOTAL FILL	TBD	CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION (IF KNOWN)	TBD	ACRES

12. INCREMENTAL STABILIZATION

REFER TO THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE INCREMENTAL STABILIZATION OF CUT AND FILLS.

13. DEWATERING PRACTICES

THE CONTRACTOR IS ALERTED THAT MDE CONSIDERS DEWATERING PRACTICES TO BE ELECTIVE IN NATURE. DEWATERING PRACTICES ARE TO BE LOCATED AND OPERATED IN A MANNER THAT DOES NOT DISCHARGE SEDIMENT INTO ANY WATERWAY.
NO VISIBLE CHANGES TO STREAM CLARITY ARE PERMITTED.

14. MODIFICATIONS

THE CONTRACTOR SHALL SUBMIT MODIFICATIONS TO THE EROSION AND SEDIMENT CONTROLS TO SHA FOR APPROVAL PRIOR TO SUBMISSION TO MDE. NO MODIFICATIONS SHALL BE IMPLEMENTED UNTIL ALL APPROVALS FROM SHA AND MDE ARE OBTAINED.

DESIGN CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH THE 1994 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I & II AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT REGULATIONS.

NAME _____ SIGNATURE _____

MARYLAND. REGISTRATION NUMBER. P.E., R.L.S. OR R.L.A. (circle) _____ DATE _____

STANDARD SYMBOLS

EARTH DIKE — A-2 / B-3
TEMPORARY SWALE — A-2 / B-3
PERIMETER DIKE/SWALE — PD/S-1
STONE OUTLET STRUCTURE — TSOS
SILT FENCE — SF
SUPER SILT FENCE — SSF
STRAW BALES — SBD
STANDARD INLET PROTECTION — SIP
AT GRADE INLET PROTECTION — AGIP
CURB INLET PROTECTION — CIP
MEDIAN INLET PROTECTION — MIP
GABION INFLOW PROTECTION — GM
RIPRAP INFLOW PROTECTION — RRP
SUMP PIT — SP
REMOVABLE PUMPING STATION — RPS
PORTABLE SEDIMENT TANK — PST
INTERCEPTOR BERM — IB
TEMPORARY BERM — TB
PIPE SLOPE DRAIN — PSD-1 TB
STABILIZED CONSTRUCTION ENTRANCE — SCE
SOIL STABILIZATION MATTING
PLACED RIPRAP DITCH
GABIONS
CONCRETE GUTTER
STONE OUTLET SEDIMENT TRAP — TSST
RIPRAP OUTLET SEDIMENT TRAP — TRST
STONE/RIPRAP OUTLET SEDIMENT TRAP — TSRST
PIPE OUTLET SEDIMENT TRAP — TPST
LIMIT OF DISTURBANCE — LOD
EXISTING CONTOURS — 100
PROPOSED CONTOURS — 100
POLYETHYLENE PIPE — PEP
PIPE SLOPE DRAIN — PSD
100 YR FLOOD PLAIN
WETLAND
TEMP. GABION OUTLET STRUCTURE — TGOS
SAND BAG DAM

BEST MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS, THE NONTIDAL WETLAND BUFFER, WATERS OF THE STATE, AND 100-YEAR FLOODPLAIN

1. NO FILL, CONSTRUCTION MATERIAL, OR DEBRIS SHALL BE STOCKPILED OR STORED IN NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
2. PLACE MATERIALS IN A LOCATION AND MANNER THAT DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
3. DO NOT USE THE EXCAVATED MATERIAL AS BACKFILL IF IT CONTAINS WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL FREE OF WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS,TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE.
4. PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, WATERWAYS, OR THE 100-YEAR FLOODPLAIN.
5. REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLANDS, NONTIDAL WETLAND BUFFERS, OR WATERWAYS, OR PERMANENT MODIFICATION OF THE 100-YEAR FLOODPLAIN IN EXCESS OF THAT LOST UNDER THE ORIGINALLY AUTHORIZED STRUCTURE OR FILL.
6. RECTIFY ANY NONTIDAL WETLANDS, WETLAND BUFFERS, WATERWAYS, OR 100-YEAR FLOODPLAIN TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
7. ALL STABILIZATION IN THE NONTIDAL WETLAND AND NONTIDAL WETLAND BUFFER SHALL CONSIST OF THE FOLLOWING SPECIES:
   ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SP.), OATS (UNIOLA SP.), AND/OR RYE (SECALE CEREALE). THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE WHILE ALSO ALLOWING FOR THE VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE NONTIDAL WETLANDS AND WATERWAYS DIVISION. KENTUCKY 31 FESCUE SHALL NOT BE UTILIZED IN WETLAND OR BUFFER AREAS. THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
8. AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST-CONSTRUCTION GRADES AND ELEVATIONS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN TEMPORARILY IMPACTED AREAS.
9. TO PROTECT AQUATIC SPECIES, IN-STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAM:

   USE III WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD OCTOBER 1 THROUGH APRIL 14, INCLUSIVE, DURING ANY YEAR.

   USE IV WATERS: IN-STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.
10. STORMWATER RUNOFF FROM IMPERVIOUS SURFACES SHALL BE CONTROLLED TO PREVENT THE WASHING OF DEBRIS INTO THE WATERWAY OR WETLAND.
11. CULVERTS SHALL BE CONSTRUCTED AND ANY RIPRAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF AQUATIC SPECIES, UNLESS THE PURPOSE OF THE ACTIVITIY IS TO IMPOUND WATER.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

GENERAL NOTES

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY J.S. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

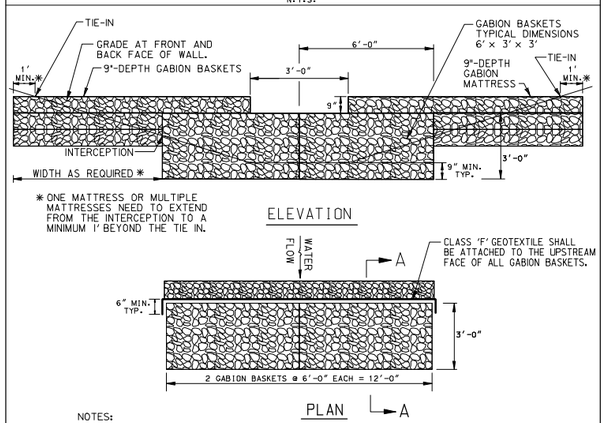
DRAWING NO. D1D2_DR_ES_GN-01 SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 03:07 PM
FILE: C:\PW_WORKING_XM\PTG\C0036380\DMS04236\PEP-N001_ICC-A_D1_CG.DGN

BY: C0036380

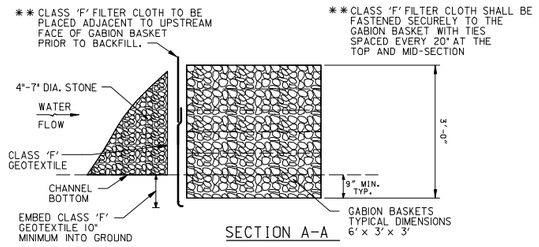
TEMPORARY GABION OUTLET STRUCTURE

N.T.S.



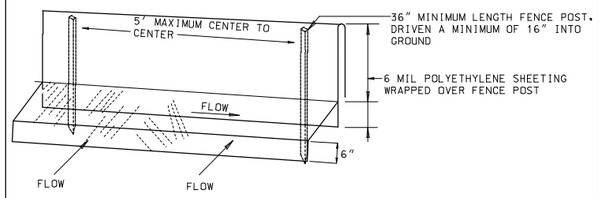
NOTES:

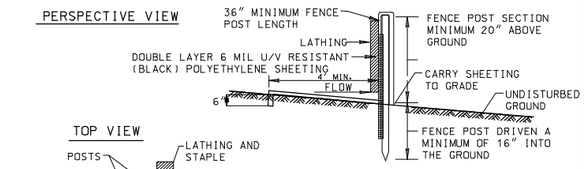
1. GABIONS TO BE CONSTRUCTED UNDER SECTION 313 'STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS' - MD SHA JANUARY 2001.
2. MAXIMUM DRAINAGE AREA = 1.5 ACRES
3. A MINIMUM HEIGHT OF 40" SHALL BE PROVIDED FOR CONNECTING EARTH DIKES.

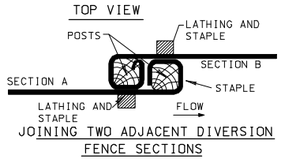


SECTION A-A

CLEARWATER DIVERSION FENCE







JOINING TWO ADJACENT DIVERSION FENCE SECTIONS

STANDARD SYMBOL

WDF

Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Posts shall be 2 " x 2 " square (minimum) cut. and shall be of sound quality hardwood. Maximum post spacing shall be 5 feet center to center.
2. 6 mil polyethylene sheeting shall be fastened securely to each fence post with lathing and staples at top and mid-section:
3. Ends of polyethylene sheeting shall come together only at posts. Ends shall be overlapped, folded and stapled to prevent runoff bypass. The upgrade section shall overlap the downgrade section.
4. Diversion fence shall have an uninterrupted positive grade to a stable outlet.
5. The contributing drainage area measured to the outlet shall not exceed 2 acres.
6. Diversion Fence shall be inspected after each rainfall event and maintained when necessary.

SEQUENCE OF CONSTRUCTION

1. THE PROPOSED PROJECT SHALL BE CONSTRUCTED IN A MANNER WHICH WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS AS SET FORTH IN COMAR 26.08.02. NOTIFY WATER MANAGEMENT ADMINISTRATION AT 410-537-3510 AT LEAST (7) DAYS PRIOR TO COMMENCING WORK. VERBAL NOTIFICATION IS TO BE FOLLOWED BY WRITTEN NOTICE WITHIN SEVEN (7) DAYS. ARRANGE FOR A PRE-CONSTRUCTION MEETING ON SITE.
2. SEE DRAWINGS:

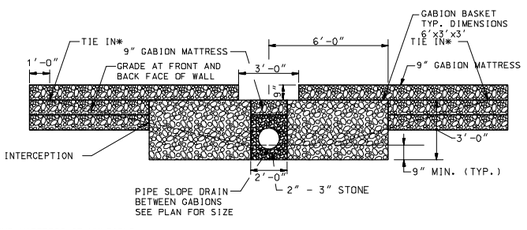
   D1D2_DR_E2_PS-39
   D1D2_DR_E2_PS-40
   D1D2_DR_E2_PS-41
   D1D2_DR_E2_PS-42

   FOR MORE DETAILED SEQUENCE OF CONSTRUCTION

NOTE:

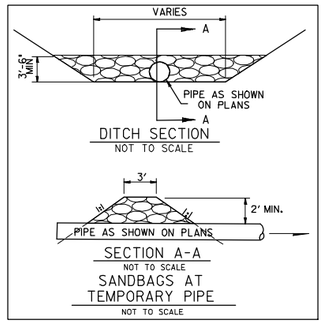
1. PRIOR TO COMMENCING WITH CLEARING AND GRUBBING OR EROSION AND SEDIMENT CONTROL AND IN ACCORDANCE WITH SHA "STANDARD SPECIFICATION FOR CONSTRUCTION AND MATERIALS" SECTION 120 - TREE PRESERVATION THE CONTRACTOR SHALL ENGAGE A MARYLAND TREE EXPERT TO VERIFY THE TREE PROTECTION AREA AS INDICATED ON THE CONTRACT DOCUMENTS AND RECOMMEND TREE PROTECTION MEASURES. PROTECTIVE FENCING SHALL BE INSTALLED TO CLEARLY DEFINE THE PROTECTED ROOT ZONE AREA. THE LOCATION OF THE PROTECTIVE FENCING SHALL BE APPROVED ON SITE BY THE TREE EXPERT AND THE ENGINEER.
2. THE CONTRACTOR WILL ADHERE TO THE APPROVED EARTH DISTURBANCE AREA PLAN REGARDING GROUND DISTURBANCE, STORM RESPONSE PROCEDURES, SEDIMENT SPILLS AND EMERGENCY MAINTENANCE.
3. ORANGE CONSTRUCTION FENCE WILL BE INSTALLED ALONG OUTSIDE LOD IMMEDIATELY AFTER STAKEOUT OF THE LOD, AND PRIOR TO THE INSTALLATION OF EROSION AND SEDIMENT CONTROLS. THE WETLAND FENCING (OCF) SHOULD BE STAKED PRIOR TO THE PRECONSTRUCTION MEETING.
4. ALL WORK SHALL BE IN COMPLIANCE WITH ANSI Z133.1 - SAFETY REQUIREMENTS FOR PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES, AND FOR 'CUTTING BUSH", WHICH IS INCLUDED AS A REFERENCE FOR THIS PROJECT IN PS-301 - PLANTING AND LANDSCAPING ARCHITECTURE, SECTION 2.2.
5. RIPARIAN PLANTINGS WILL BE PROVIDED AS PART OF FUTURE LANDSCAPE PLAN SUBMITTALS.
6. STABILIZATION TECHNIQUES MAY INCLUDE SEEDING AND MULCHING, COVERING WITH IMPERVIOUS MATERIAL OR COVER WITH MATTS.
7. AREAS NOT DRAINING TO ANY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE STABILIZED WITHIN THE SAME WORKING DAY.

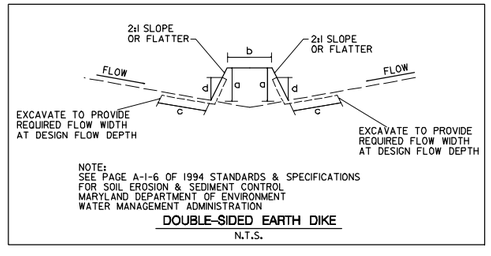
DETAIL - PIPE SLOPE DRAIN THROUGH TEMPORARY GABION OUTLET STRUCTURE



*ONE MATTRESS OR MULTIPLE MATTRESSES NEED TO EXTEND FROM INTERCEPTION 1' BEYOND TIE IN

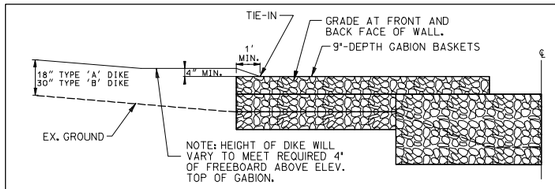
ELEVATION
NOT TO SCALE





NOTE:
SEE PAGE A-1-6 OF 1994 STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DOUBLE-SIDED EARTH DIKE
N.T.S.



EARTH DIKE MODIFIED FOR TIE-IN WITH TEMPORARY GABION OUTLET STRUCTURE
N.T.S.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8500

REVISIONS

DETAILS

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

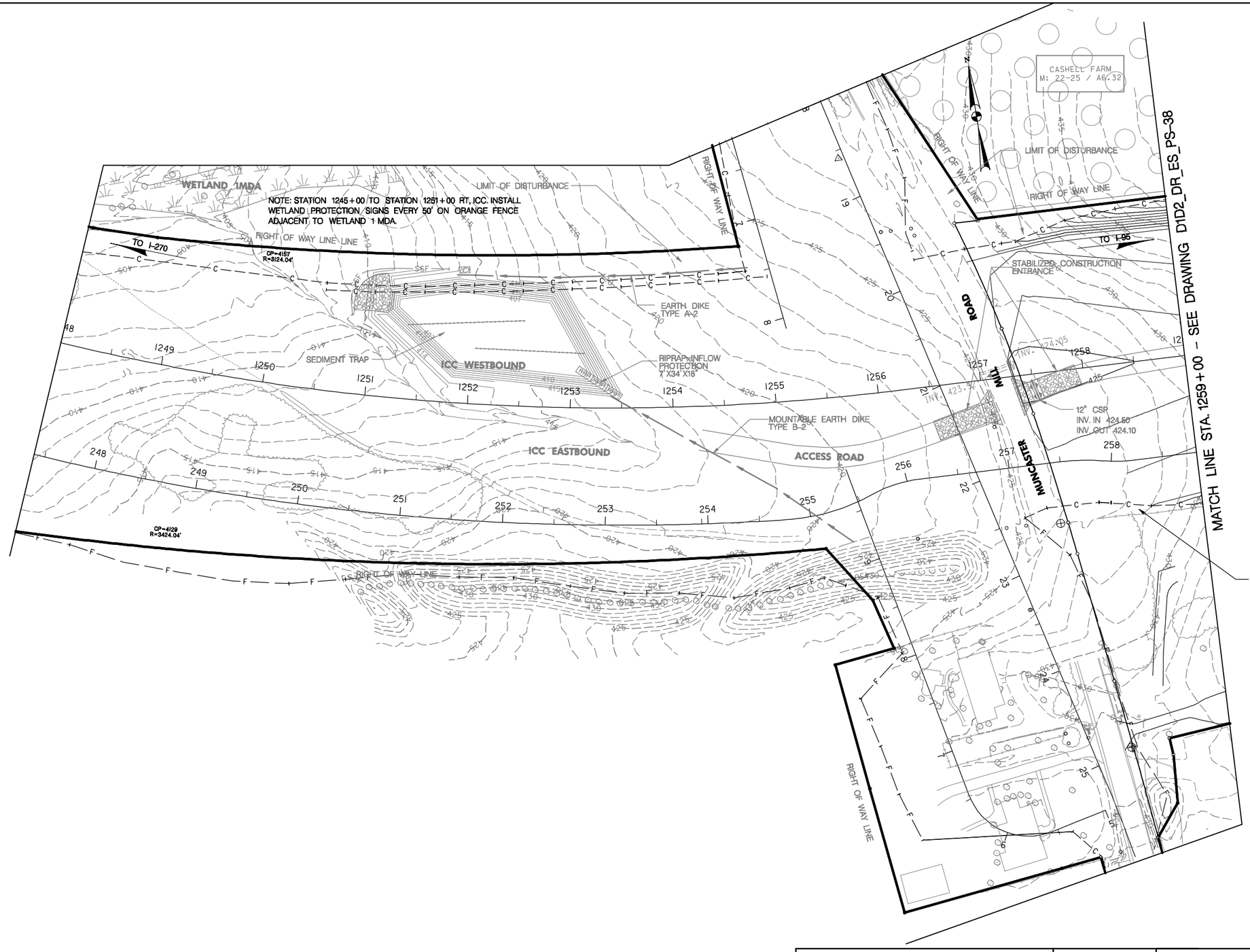
DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY J.S. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_ES_DE-01 SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 03:11 PM
FILE: G:\PW_WORKING_XM\PTD\C0036380\DMS84236\PEP-N002_ICC-A_D1_CG.DGN

BY: C0036380

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.



NOTE: EXISTING E & S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD # ICC-A-009.

SEGMENT D1D2
ISSUED FOR REVIEW

50' 0 50' 100'
SCALE: 1" = 50'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL PLAN

REVISIONS

FINAL CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S.
DRAWN BY J.S.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_ES_PS-35 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 08:31 AM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PEP-P135_ICC-A-D1.DGN

BY: C0037340

MATCH LINE STA. 1259+00 – SEE DRAWING D1D2_DR_ES_PS-35

MATCH LINE STA. 1270+00 – SEE DRAWING D1D2_DR_E1_PS-39

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

INSTALL SUPER SILT FENCE
STA. 1264+98 TO STA. 1266+35, LT – ICC (137 LF)

INSTALL DIVERSION FENCE
STA. 1265+94 TO STA. 1266+33, RT – ICC (44 LF) DA=0.02 AC

CONSTRUCT TEMPORARY STONE OUTLET STRUCTURE
STA. 1264+94, 106' LT – ICC (1 EA) DA=0.27 AC

INSTALL EARTH DIKE TYPE A-2

STA. 1266+83 TO STA. 1267+28, LT – ICC (50 LF) D.A.=1.10 AC

NOTE: EXISTING E&S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD # ICC-A-009.

LIMIT OF DISTURBANCE
RIGHT OF WAY LINE
TO I-270
SUPER SILT FENCE
TEMPORARY STONE OUTLET STRUCTURE
THE BERM CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORK DAY
CLEAR WATER DITCH
TO I-95
ICC WESTBOUND
ICC EASTBOUND
S 87° 37' 46.41" E
3,716.33
24" RCP
72" SRP
ACCESS ROAD
SEDIMENT TRAP
EARTH DIKE TYPE A-2
DIVERSION FENCE
WETLAND BUFFER
WETLAND 1R
NOTE: STATION 1265+30 TO STATION 1266+50,RT–ICC INSTALL WETLAND PROTECTION SIGNS EVERY 50' ON ORANGE FENCE ADJACENT TO WETLAND 1R .

SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

INTERIM CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

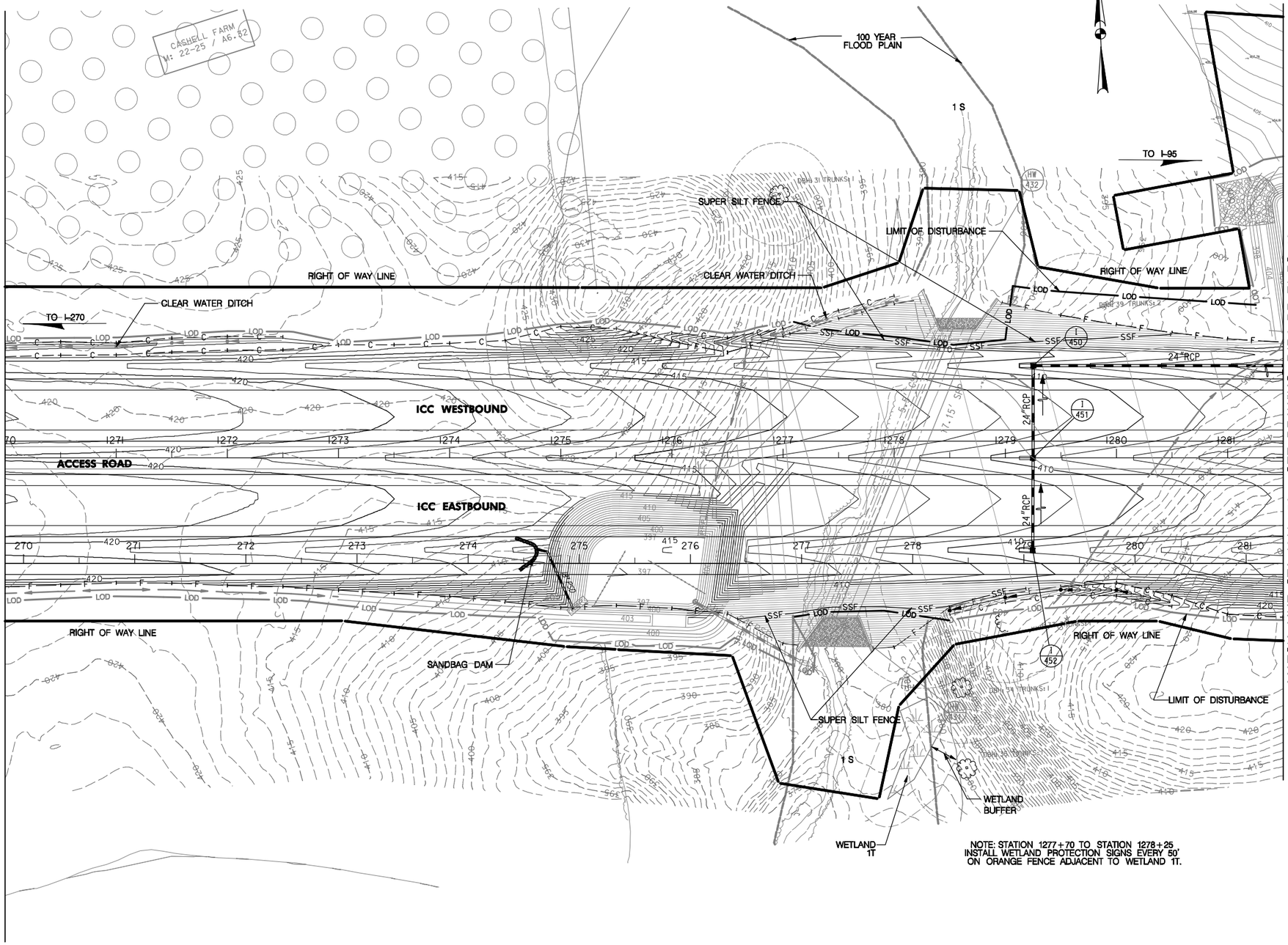
DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY J.S. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_ES_PS-38 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 08:32 AM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PEP-P138_ICC-A-D1.DGN

BY: C0037340

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIERCTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.



NOTE: STATION 1277+70 TO STATION 1278+25 INSTALL WETLAND PROTECTION SIGNS EVERY 50' ON ORANGE FENCE ADJACENT TO WETLAND 1T.

CONSTRUCT MEDIAN INLET PROTECTION (ALL AREA DRAIN TO SEDIMENT TRAP)
STA. 1279+25, MEDIAN – ICC (1 EA) D.A.=1.66 AC
STA. 1279+25, 83' RT – ICC (1 EA) D.A.=1.52 AC
STA. 1279+25, 83' LT – ICC (1 EA) D.A.=1.37 AC

INSTALL SUPER SILT FENCE
STA. 1276+59 TO STA. 1279+19 RT – ICC (262 LF)
STA. 1277+06 TO STA. 1280+49 LT – ICC (344 LF)

INSTALL 18" PSD
STA. 1274+79 TO STA. 1275+11 RT – ICC (66 LF) D.A.=0.85 AC

INSTALL SAND BAG DAM
STA. 1274+59 TO STA. 1274+63 RT – ICC (1 EA)

NOTE: EXISTING E&S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD# ICC-A-009

SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL PLAN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

INTERIM CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_E1_PS-39 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 08:33 AM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS84236\PEP-P139_ICC-A-D1.DGN

BY: C0037340

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIERCTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

GENERAL SEQUENCE OF CONSTRUCTION FOR REMOVAL OF TRAP AT STA. 1275+50

1. MAINTAIN THE EROSION AND SEDIMENT CONTROLS INSTALLED UNDER MDE MOD # ICC-A-009. PERFORM GRADING IN AREA OUTSIDE THE SEDIMENT TRAP.
2. AFTER THE ICC IS GRADED TO THE BOTTOM OF THE SUBBASE, INSTALL TEMPORARY SWALE TO DIVERT WATER TO THE MEDIAN DITCH AND CONSTRUCT ADDITIONAL EARTH DIKES, TEMPORARY STONE OUTLET STRUCTURE, AND MEDIAN INLET PROTECTIONS AS SHOWN ON DRAWING D1D2_DR_E2_PS_39.
3. REMOVE SAND BAG DAM AND 18" PSD.
4. DEWATER THE SEDIMENT TRAP TO A PORTABLE SEDIMENT TANK WITHIN LOD WITH STABLE OUTFALL. START BACKFILLING THE TRAP. CONTINUE THE GRADING TO THE BOTTOM OF SUBBASE.
5. UPON COMPLETION OF ABOVE ACTIVITY, START THE PAVEMENT CONSTRUCTION.

CONSTRUCT EARTH DIKE TYPE A-2
STA. 1274+81 TO STA. 1275+85, RT – ICC (103 LF) D.A.=0.47 AC
STA. 1276+16 TO STA. 1276+43, RT – ICC (40 LF) D.A.=0.47 AC

CONSTRUCT TEMPORARY STONE OUTLET STRUCTURE
STA. 1275+96, 153' RT – ICC (1 EA) D.A.=0.47 AC

CONSTRUCT TEMPORARY SWALE
STA. 1274+69 TO STA. 1275+43 RT – ICC (111 LF) D.A.=1.33 AC

INSTALL SUPER SILT FENCE
STA. 1281+50 TO STA. 1281+50 LT – ICC (158 LF)

MATCH LINE STA. 1270+00 – SEE DRAWING D1D2_DR_E1_PS-38

MATCH LINE STA. 1281+50 – SEE DRAWING D1D2_DR_E2_PS-40

CASHELL FARM
M: 22-25 / 46.82

100 YEAR FLOOD PLAIN

TO I-95

TO I-270

RIGHT OF WAY LINE

LIMIT OF DISTURBANCE

SUPER SILT FENCE

ICC WESTBOUND

ACCESS ROAD

TEMPORARY SWALE

ICC EASTBOUND

EARTH DIKE TYPE A-2

AREA OUTSIDE EARTHDIKES SHALL BE GRADED WHEN REMOVING ED AND SHALL BE STABILIZED AT THE SAME WORKING DAY

TEMPORARY STONE OUTLET STRUCTURE

WETLAND 1T

WETLAND BUFFER

NOTE: STATION 1277+70 TO STATION 1278+25 INSTALL WETLAND PROTECTION SIGNS EVERY 50' ON ORANGE FENCE ADJACENT TO WETLAND 1T.

24"RCP

MIP

50' 0 50' 100'
SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

FINAL CONDITIONS

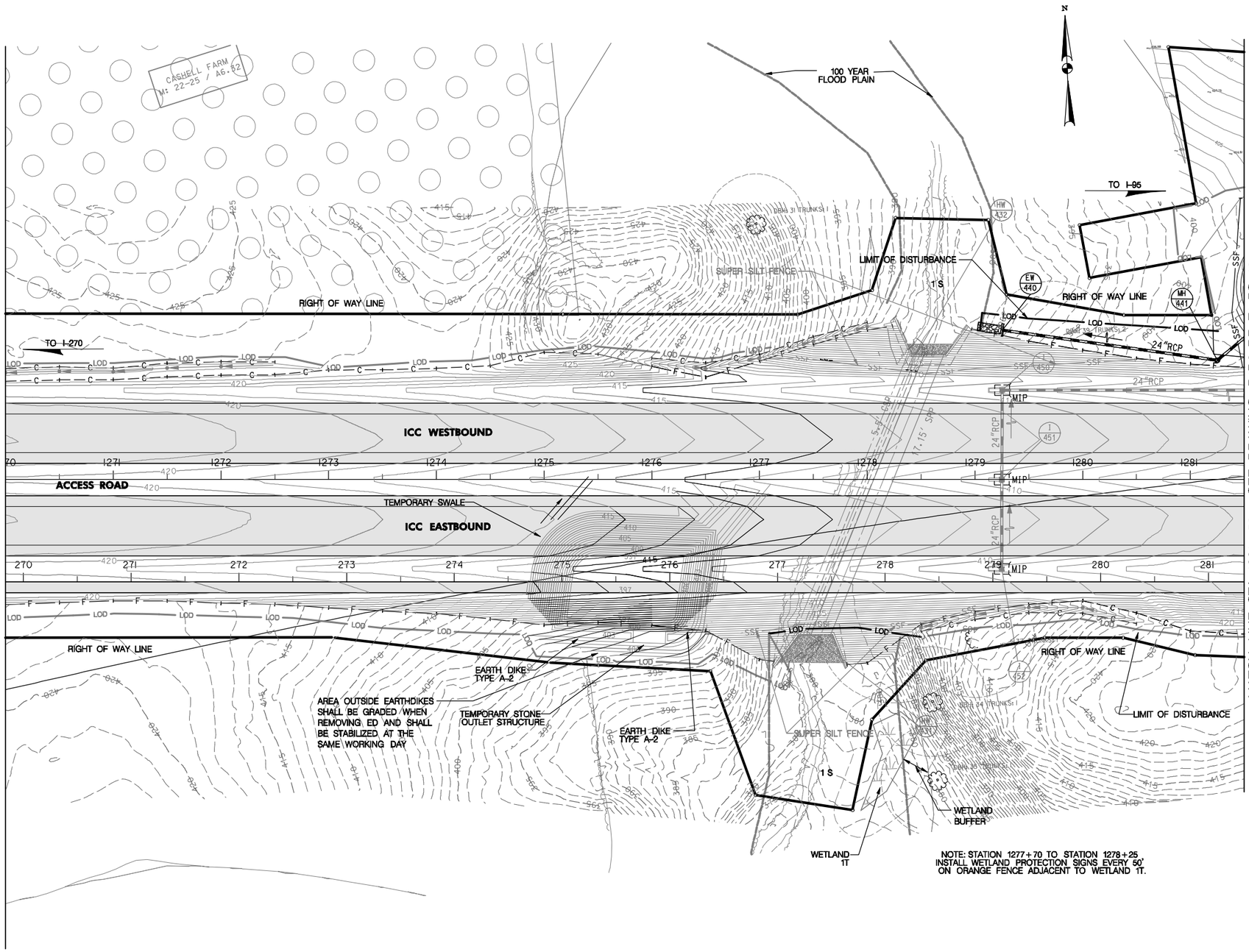
SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_E2_PS-39 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTG\C0038206\DMS04236\PEP-P139_B_ICC-A-D1.DGN

BY: C0038206



NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIERCTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

GENERAL SEQUENCE OF CONSTRUCTION FOR REMOVAL OF TRAP AT STA. 1275+50

1. MAINTAIN THE EROSION AND SEDIMENT CONTROLS INSTALLED UNDER MDE MOD # ICC-A-009. PERFORM GRADING IN AREA OUTSIDE THE SEDIMENT TRAP.
2. AFTER THE ICC IS GRADED TO THE BOTTOM OF THE SUBBASE, INSTALL TEMPORARY SWALE TO DIVERT WATER TO THE MEDIAN DITCH AND CONSTRUCT ADDITIONAL EARTH DIKES, TEMPORARY STONE OUTLET STRUCTURE AND MEDIAN INLET PROTECTIONS AS SHOWN ON DRAWING D1D2_DR_E2_PS_39.
3. REMOVE SAND BAG DAM AND 18" PSD.
4. DEWATER THE SEDIMENT TRAP TO A PORTABLE SEDIMENT TANK WITHIN LOD WITH STABLE OUTFALL, START BACKFILLING THE TRAP. CONTINUE THE GRADING TO THE BOTTOM OF SUBBASE.
5. UPON COMPLETION OF ABOVE ACTIVITY, START THE PAVEMENT CONSTRUCTION.

CONSTRUCT EARTH DIKE TYPE A-2
STA. 1274+81 TO STA. 1275+85, RT – ICC (103 LF) D.A.=0.47 AC
STA. 1276+16 TO STA. 1276+43, RT – ICC (40 LF) D.A.=0.47 AC

CONSTRUCT TEMPORARY STONE OUTLET STRUCTURE
STA. 1275+96, 153' RT – ICC (1 EA) D.A.=0.47 AC

CONSTRUCT TEMPORARY SWALE
STA. 1274+69 TO STA. 1275+43 RT – ICC (111 LF) D.A.=1.33 AC

INSTALL SUPER SILT FENCE
STA. 1281+50 TO STA. 1281+50 LT – ICC (158 LF)

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

REVISIONS

FINAL CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. **D1D2_DR_E2_PS-39** SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 03:41 PM
FILE: C:\PW_WORKING.XM\PTG\C0036380\DMS04236\PEP-P139_B_ICC-A-D1.DGN

BY: C0036380

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

MATCH LINE STA. 1281+50 – SEE DRAWING D1D2_DR_E1_PS-39

MATCH LINE STA. 1293+00 – SEE DRAWING D1D2_DR_E1_PS-41

ENDWALL
Q10=22.7 CFS
V10=7.20 FPS

THE CONSTRUCTION OF PROPOSED BERM FROM STA. 1283+50 TO STA. 1293+00 SHALL BE STABILIZED AT THE END OF EACH WORK DAY

RIGHT OF WAY LINE

LIMIT OF DISTURBANCE

CLEAR WATER DITCH

RIGHT OF WAY LINE

TO I-95

TO I-270

MEDIAN INLET PROTECTION

MEDIAN INLET PROTECTION

ICC WESTBOUND

ACCESS ROAD

ICC EASTBOUND

MEDIAN INLET PROTECTION

RIGHT OF WAY LINE

LIMIT OF DISTURBANCE

ENDSECTION
Q10=15.5 CFS
V10=4.90 FPS

PROTECT
RED MAPLE (35" DBH)
SPECIMEN TREE

SEDIMENT TRAP

RIGHT OF WAY LINE

CONSTRUCT MEDIAN INLET PROTECTION
STA. 1292+00, MEDIAN – ICC (1 EA) – DA=1.52 AC
STA. 1292+00, 83' LT – ICC (1 EA) – DA=1.18 AC
STA. 1292+00, 83' RT – ICC (1 EA) – DA=1.40 AC
STA. 1283+00, MEDAIN – ICC (1 EA) – DA=1.53 AC
STA. 1283+00, 83' LT – ICC (1 EA) – DA=1.20 AC
STA. 1283+00, 83' RT – ICC (1 EA) – DA=1.40 AC

NOTE: EXISTING E&S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD# ICC-A-006

50' 0 50' 100'
SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL PLAN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

INTERIM CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_E1_PS-40 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:49 AM
FILE: C:\PW_WORKING_XM\PTG\C0038206\DMS04236\PEP-P140.ICC-A-D1.DGN

BY: C0038206

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

SEQUENCE OF CONSTRUCTION FOR SAND STORAGE FACILITIES D1-A & D1-B

1. MAINTAIN THE EXISTING E&S MEASURES SHOWN ON PLAN SHEET D1D2_DR_E1_PS-39 AND D1D2_DR_E1_PS-40 UNDER MOD # ICC-A-009.
2. INSTALL E&S MEASURES SHOWN ON THE PLAN SHEETS. PERFORM GRADING AND KEEP THE SEDIMENT TRAP AT STA.1282+00, LT AND STA.1290+00, RT FUNCTIONAL.
3. UPON FINAL STABILIZATION OF ALL AREAS THAT DRAIN TO THE SEDIMENT TRAP. CAP THE INLETS AT STA. 1283+00 TO BLOCK CLEAR WATER TO ENTER THE SEDIMENT TRAP AT STA. 1282+00. INSTALL SUPER SILT FENCE, DIVERSION FENCE AND PORTABLE SEDIMENT TANK SHOWN IN D1D2_DR_E2_PS-39 TO DEWATER THE TRAP. BUITL THE SAND FILER D1-A AT STA.1282+00, LT AND STABILIZE ALL THE DISTURBED AREAS.
4. REMOVE THE INLET CAPS AT STA.1282+00 AND CAP THE INLETS AT STA. 1292+00. INSTALL SUPER SILT FENCE, DIVERSION FENCE AND PORTABLE SEDIMENT TANK AS SHOWN IN SHEET D1D2_DR_E2_PS-40.CONSTRUCT SAND FILTER D1-B AT STA.1290+00, RT.
5. UPON STABILIZE ALL THE DISTUBED AREAS, REMOVE THE INLET CAPS, SUPER SILT FENCE AND DIVERSION FENCE.
6. STABILIZE ALL REMAINING DISTURBED AREAS.

INSTALL DIVERSION FENCE

STA. 1281+70 TO 1283+30, LT –ICC (164 LF), D.A.=0.38 AC
STA. 1283+26 TO 1283+64, LT –ICC (193 LF), D.A.=0.25 AC
STA. 1289+29 TO 1289+92, RT –ICC (178 LF) D.A.=0.72 AC

INSTALL SUPER SILT FENCE

STA. 1289+91 TO 1291+34, RT –ICC (198 LF)

INSTALL CL I RIPRAP

STA. 1281+70, 140' LT –ICC (1 EA)
STA. 1283+64, 105' LT –ICC (1 EA)

MATCH LINE STA. 1281+50 – SEE DRAWING D1D2_DR_E2_PS-39

MATCH LINE STA. 1293+00 – SEE DRAWING D1D2_DR_E2_PS-41

SCALE: 1" = 50'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

FINAL CONDITIONS

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

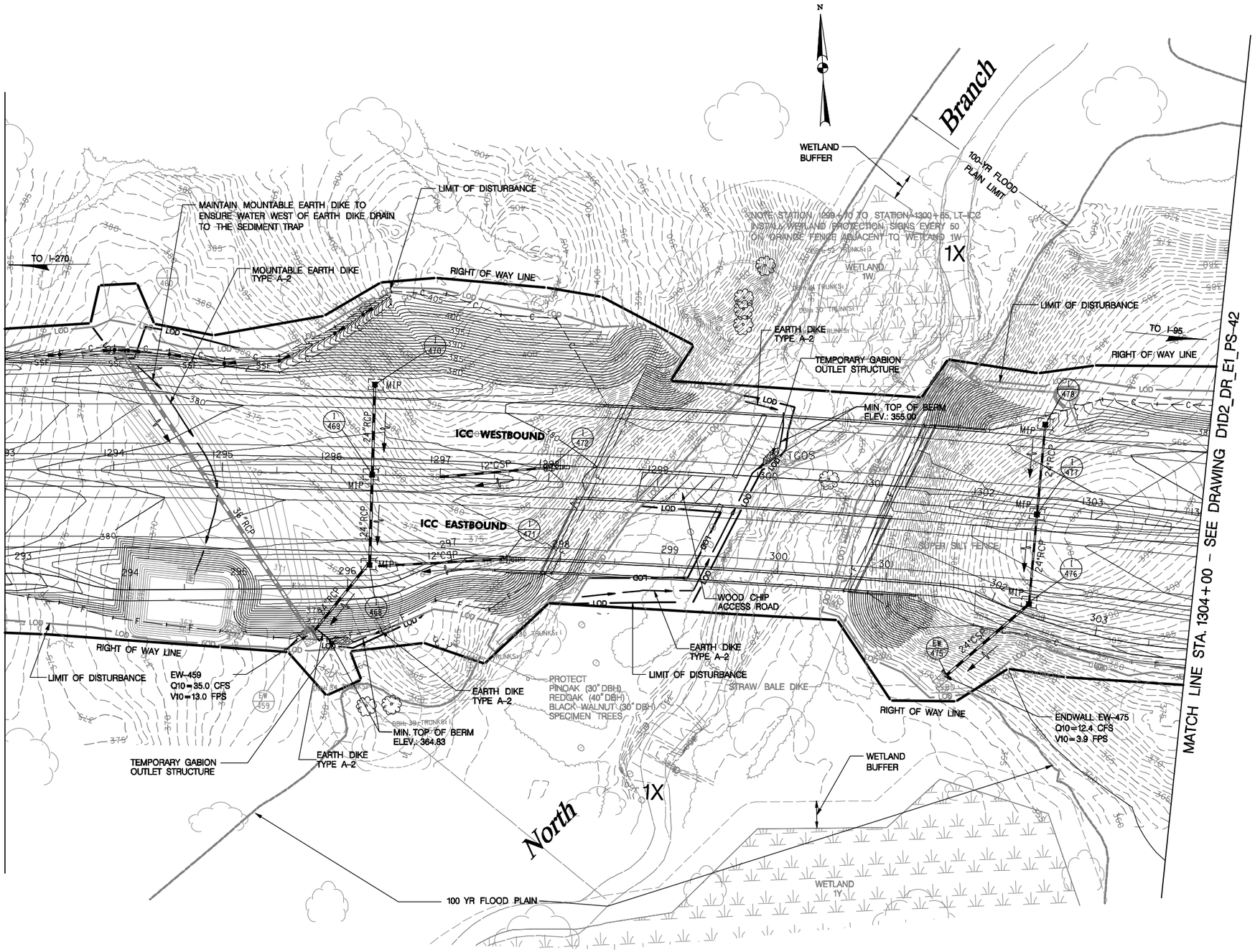
SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_E2_PS-40 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 11:59 AM
FILE: C:\PW_WORKING_XM\PTC\C0038206\DMS84236\PEP-P140B_ICC-A-D1.DGN

BY: C0038206



50' 0 50' 100'
SCALE: 1" = 50'

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

CONSTRUCT TEMPORARY EARTH DIKE
STA. 1295+85 TO STA. 1296+03 RT – ICC (20 LF) DA=1.18 AC
STA. 1296+24 TO STA. 1296+70 RT – ICC (50 LF) DA=1.18 AC
STA. 1298+36, RT TO STA. 1299+95, LT – ICC (222 LF) DA=1.40 AC
STA. 1299+76 TO STA. 1300+09 RT – ICC (65 LF) DA=1.40 AC

CONSTRUCT MOUNTABLE EARTH DIKE
STA. 1294+21, LT TA. 1294+76,RT– ICC (218) DA=0.77 AC

INSTALL SUPER SILT FENCE
STA. 1293+00 TO STA. 1295+50 LT – ICC (250 LF)
STA. 1301+00 TO STA. 1301+01 RT – ICC (102 LF)

CONSTRUCT STRAW BALE DIKE
STA. 1300+96 TO STA. 1301+17 RT – ICC (135 LF)

CONSTRUCT TEMPORARY GABION OUTLET STRUCTURE
STA. 1296+14, 154' RT – ICC (1 EA) DA=1.18 AC
STA. 1300+00, 34' LT – ICC (1 EA) DA=1.40 AC

INSTALL MEDIAN INLET PROTECTION
STA. 1296+25, 83' RT – ICC (1 EA) DA=0.30 AC
STA. 1296+25, 0.5' LT – ICC (1 EA) DA=0.69 AC
STA. 1296+25, 83' LT – ICC (1 EA) DA=0.72 AC
STA. 1302+50, 83' RT – ICC (1 EA) DA=1.09 AC
STA. 1302+50, MEDIAN – ICC (1 EA) DA=0.64 AC
STA. 1302+50, 83' LT – ICC (1 EA) DA=0.44 AC

INSTALL CURB INLET PROTECTION
STA. 1297+62, 71' RT – ICC (1 EA) DA=0.49 AC
STA. 1298+00, 15' LT – ICC (1 EA) DA=0.43 AC

CONSTRUCT WOOD CHIP ACCESS ROAD
STA. 1299+25, – ICC (70 LF)

NOTE: EXISTING E&S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD# ICC-A-009.

CONTRACTOR SHALL PROVIDE PORTABLE SEDIMENT TANKS FOR THE CONSTRUCTION OF THE BRIDGE.

NOTE: PRIOR TO PLACEMENT OF E&S DEVICES BETWEEN STA. 1299+00 AND STA. 1300+25, PLACE ORANGE CONSTRUCTION FENCE AROUND SPRING AREA. COORDINATE SPRING LOCATION WITH IC ENV. SPECIALIST OR MANAGER.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL PLAN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

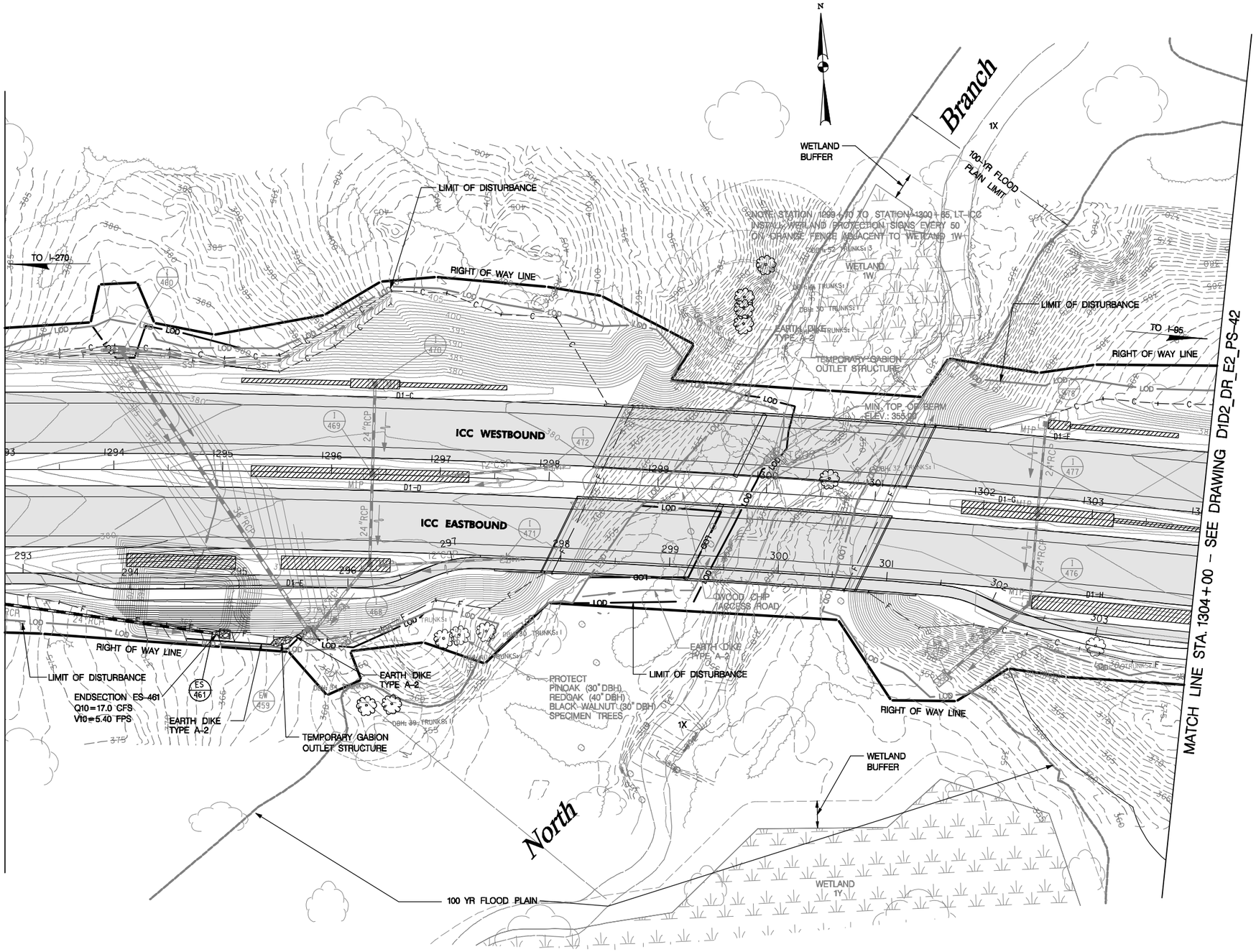
REVISIONS

INTERIM CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960
DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. D1D2_DR_E1_PS-41 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 08:32 AM
FILE: C:\PW_WORKING_XM\PTG\C0037340\DMS04236\PEP-P141_ICC-A-D1.DGN

BY: C0037340



NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

SEQUENCE OF CONSTRUCTION OF SEDIMENT TRAP AREAS FROM STA.1293+00 TO 1304+00.

1. MAINTAIN THE EXISTING E&S MEASURES SHOWN ON PLAN SHEET D1D2_DR_E1_PS-41 UNDER MOD # ICC-A-009.
2. INSTALL E&S MEASURES SHOWN ON SHEET D1D2_DR_E1_PS-41. PERFORM GRADING AND KEEP THE SEDIMENT TRAP AT STA.1294+75, RT FUNCTIONAL. BUILT ALL THE SAND FILTERS AS SHOWN EXCEPT THE ONE AT STA.1295+00, RT.
3. UPON FINAL STABILIZATION OF AREAS THAT DRAIN TO THE SEDIMENT TRAP AND AREAS EAST OF MOUTABLE EARTH DIKE FROM 1294+21, LT TO 1294+76, RT. REMOVE THE MOUTABLE EARTH DIKE ADN INSTALL EARTH DIKE, TGOS AND PORTABLE SEDIMENT TANK SHOWN IN SHEET D1D2_DR_E2_PS-41 TO DEWATER THE TRAP.
4. FILL THE SEDIMENT TRAP, INSTALL DRAIN PIPE AND BUILT THE SAND FILTER D1-E AT STA.1295+00, RT AS SHOWN.
5. UPON STABILIZE ALL THE DISTUBED AREAS, REMOVE THE TGOS AND EARTH DIKE.
6. STABILIZE ALL REMAINING DISTURBED AREAS.

CONSTRUCT TEMPORARY GABION OUTLET STRUCTURE
STA. 1295+58, 156' LT – ICC (1 EA) DA=0.92 AC

CONSTRUCT TEMPORARY EARTH DIKE
STA. 1294+70 TO 1295+46, RT – ICC (77 LF) DA=0.92 AC
STA. 1295+68 TO 1295+76, RT – ICC (10 LF) DA=0.92 AC

CONTRACTOR SHALL PROVIDE PORTABLE SEDIMENT TANKS FOR THE CONSTRUCTION OF THE BRIDGE.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR CONTRACT A EROSION AND SEDIMENT CONTROL PLAN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

FINAL CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

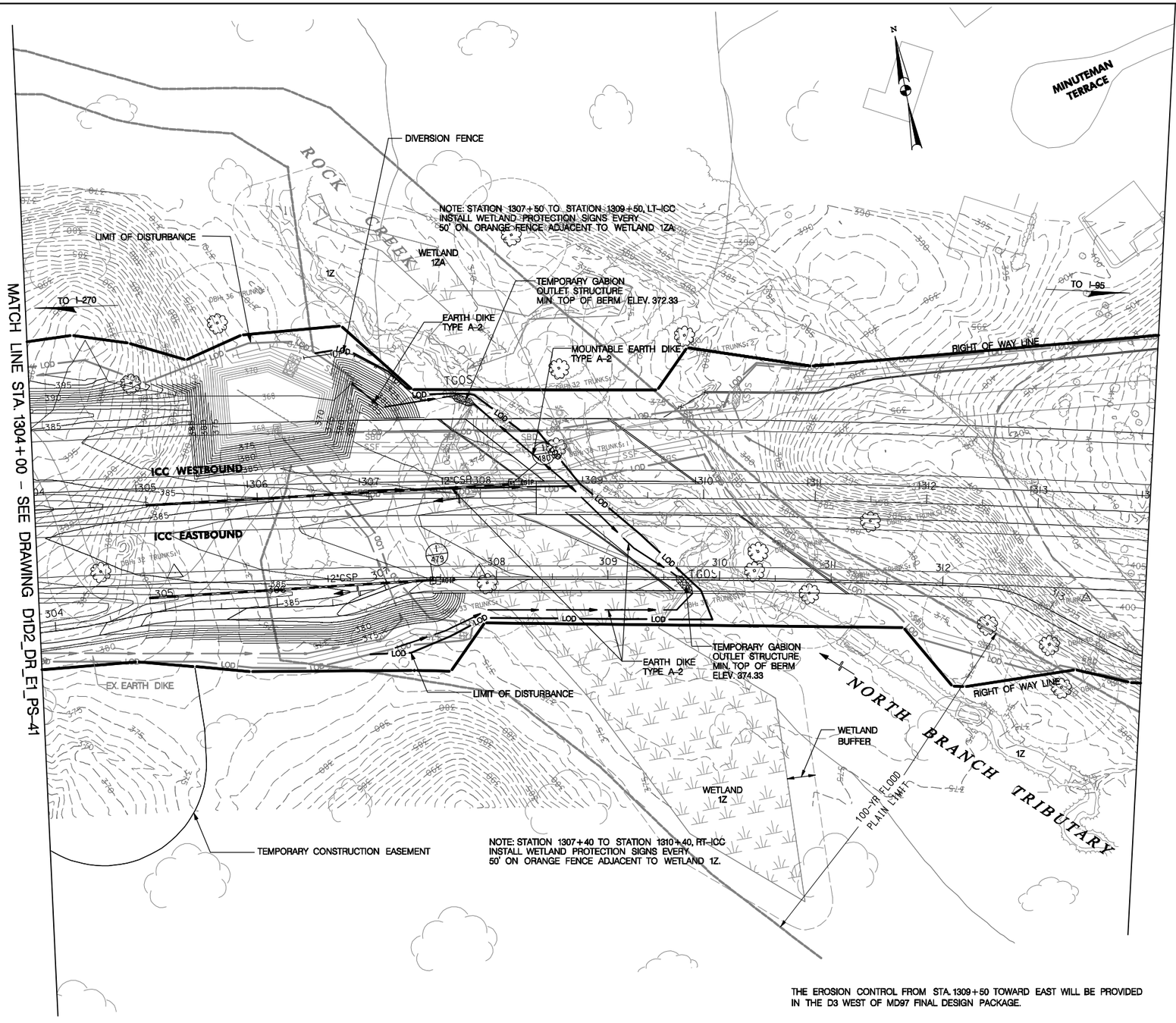
DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_E2_PS-41 SHEET NO. OF

PLOTTED: TUESDAY, JANUARY 29, 2008 AT 12:07 PM
FILE: C:\PW_WORKING_XM\PTG\C0038206\DMS84236\PEP-P141B_ICC-A-D1.DGN

BY: C0038206



NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

CONSTRUCT TEMPORARY EARTH DIKE TYPE A-2
STA. 1306+86 TO STA. 1307+75, LT – ICC (98 LF) D.A.=0.85 AC
STA. 1307+00, LT TO STA. 1309+76, RT – ICC (306 LF) D.A.=0.78 AC
STA. 1307+22 TO STA. 1309+91, RT – ICC (280 LF) D.A.=0.78 AC

CONSTRUCT MOUNTABLE TEMPORARY EARTH DIKE
STA. 1307+95, LT TO STA. 1308+80, RT – ICC (113 LF) D.A.=0.85 AC

INTALL DIVERSION FENCE
STA. 1306+44 TO STA. 1307+51 LT (122 LF) – ICC D.A.=0.07 AC

CONSTRUCT TEMPORARY GABION OUTLET STRUCTURE
STA. 1307+85, 88' LT – ICC D.A.=0.85 AC
STA. 1309+83, 77' RT – ICC D.A.=0.78 AC

INSTALL AT GRADE INLET PROTECTION
STA. 1307+65, 71' RT – ICC D.A.=0.49 AC
STA. 1308+33, 15' LT – ICC D.A.=0.18 AC

NOTE: EXISTING E&S MEASURES AND LOD SHOWN IN THIS SHEET ARE INSTALLED AND MAINTAINED UNDER MOD# ICC-A-009.

CONTRACTOR SHALL PROVIDE PORTABLE SEDIMENT TANKS FOR THE CONSTRUCTION OF THE BRIDGE AND RETAINING WALLS.

THE EROSION CONTROL FROM STA. 1309+50 TOWARD EAST WILL BE PROVIDED IN THE D3 WEST OF MD97 FINAL DESIGN PACKAGE.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL PLAN

INTERIM CONDITIONS

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765980

DESIGNED BY J.S.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_E1_PS-42 SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 03:56 PM
FILE: C:\PW_WORKING_XM\PTG\C0036380\DMS84236\PEP-P142_ICC-A-D1.DGN

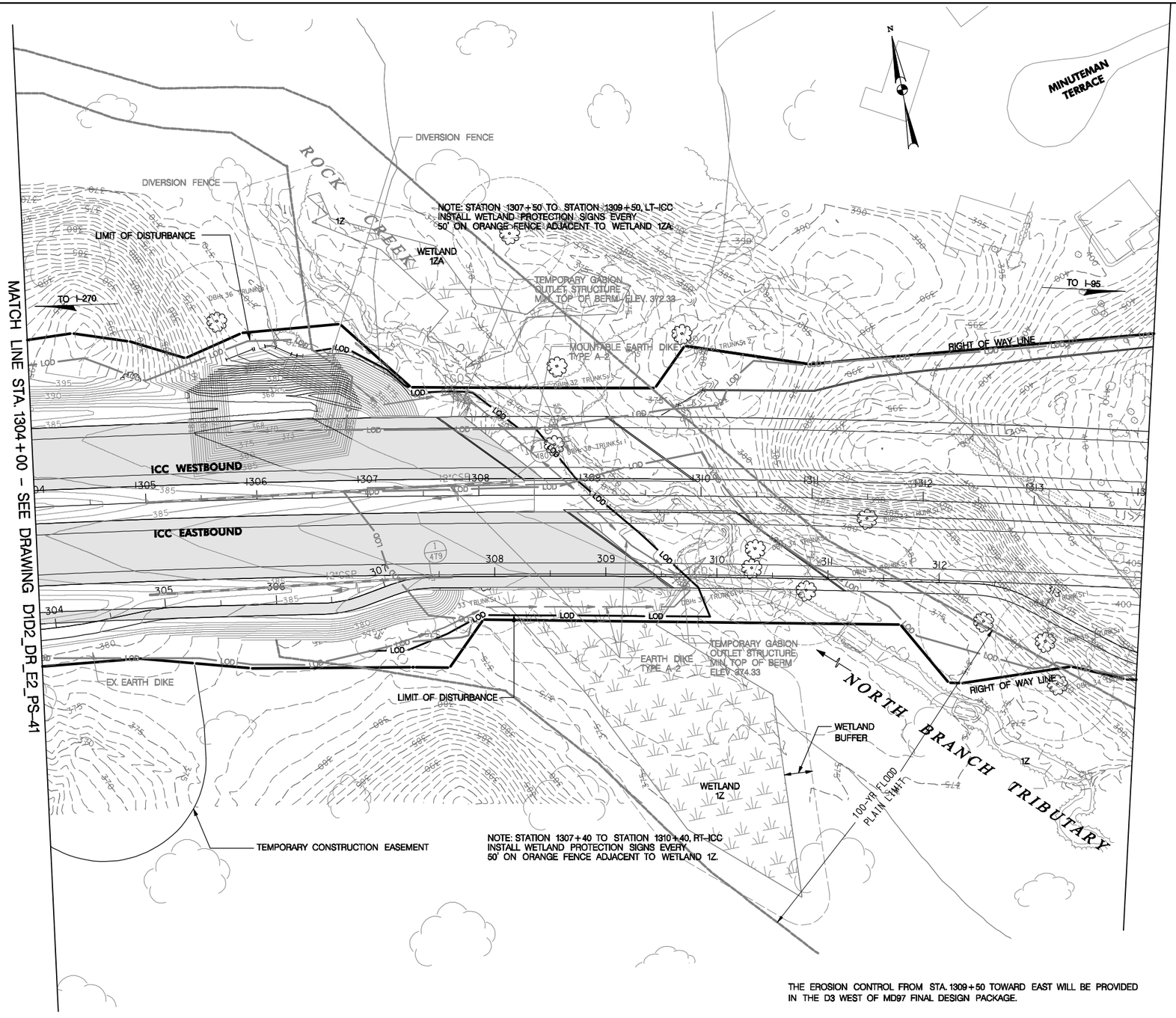
BY: C0036380

NOTE: NO AREAS SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO A MDE APPROVED SEDIMENT CONTROL DEVICE.

SEQUENCE OF CONSTRUCTION OF SEDIMENT TRAP AREAS FROM STA.1304+00 TO 1310+00.

1. MAINTAIN THE EXISTING E&S MEASURES SHOWN IN PLAN SHEET D1D2_DR_E1_PS-42 UNDER MOD # ICC-A-009.
2. INSTALL E&S MEASURES SHOWN IN SHEET D1D2_DR_E1_PS-42. PERFORM GRADING AND KEEP THE SEDIMENT TRAP AT STA.1306+00, LT FUNCTIONAL.
3. UPON FINAL STABILIZATION OF AREAS THAT DRAIN TO THE SEDIMENT TRAP, INSTALL DIVERSION FENCE AND PORTABLE SEDIMENT TANK SHOWN IN SHEET D1D2_DR_E2_PS-42. DEWATER AND FILL THE SEDIMENT TRAP.
4. UPON STABILIZE ALL THE DISTUBED AREAS, ROMOVE THE DIVERSION FENCE.
5. STABILIZE ALL REMAINING DISTURBED AREAS.

INSTALL DIVERSION FENCE
STA. 1305+76 TO STA. 1306+44, LT – ICC (73 LF) D.A. = 0.18 AC



50' 0 50' 100'
SCALE: 1" = 50'

THE EROSION CONTROL FROM STA. 1309+50 TOWARD EAST WILL BE PROVIDED IN THE D3 WEST OF MD97 FINAL DESIGN PACKAGE.

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
EROSION AND SEDIMENT CONTROL

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

FINAL CONDITIONS

SCALE 1" = 50' DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY J.S. COUNTY MONTGOMERY
DRAWN BY Y.A. LOGMILE
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. D1D2_DR_E2_PS-42 SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 04:00 PM
FILE: C:\PW_WORKING_XM\PTG\C0036380\DMS04236\PEP-P142B_ICC-A-D1.DGN

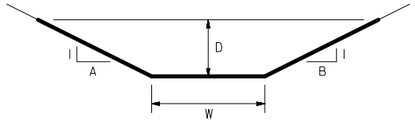
BY: C0036380

DITCH SCHEDULE

SHEET	BASELINE	STATION	OFFSET	LINING	A	B	W	D	INVERT	REMARK
DID2_RW_PS-38	ICC	1264+50	99.1 LT	A	2	2	2	1.0	416.58	
DID2_RW_PS-38	ICC	1265+00	104.3 LT	A	2	2	2	1.0	414.39	
DID2_RW_PS-38	ICC	1265+50	109.1 LT	A	2	2	2	1.0	412.37	
DID2_RW_PS-38	ICC	1266+00	111.3 LT	A	2	2	2	1.0	411.62	
DID2_RW_PS-38	ICC	1266+25	116.2 LT	A	2	2	2	1.0	410.00	HW-427
DID2_RW_PS-38	ICC	1266+50	113.4 LT	A	2	2	2	1.0	410.96	
DID2_RW_PS-38	ICC	1267+00	110.0 LT	A	2	2	2	1.0	413.03	
DID2_RW_PS-38	ICC	1267+50	108.6 LT	A	2	2	2	1.0	414.88	
DID2_RW_PS-38	ICC	1268+00	104.6 LT	A	2	2	2	1.0	417.12	
DID2_RW_PS-38	ICC	1268+50	101.4 LT	A	2	2	2	1.0	418.84	
DID2_RW_PS-38	ICC	1269+00	97.9 LT	A	2	2	2	1.0	419.84	
DID2_RW_PS-38	ICC	1269+50	97.8 LT	A	2	2	2	1.0	420.10	
DID2_RW_PS-39	ICC	1270+00	99.1 LT	A	2	2	2	1.0	420.35	
DID2_RW_PS-39	ICC	1270+50	100.6 LT	A	2	2	2	1.0	420.60	
DID2_RW_PS-39	ICC	1271+00	100.1 LT	A	2	2	2	1.0	420.85	
DID2_RW_PS-39	ICC	1271+50	103.6 LT	A	2	2	2	1.0	421.10	
DID2_RW_PS-39	ICC	1272+00	105.0 LT	A	2	2	2	1.0	421.35	
DID2_RW_PS-39	ICC	1272+50	106.0 LT	A	2	2	2	1.0	421.60	
DID2_RW_PS-39	ICC	1276+00	108.0 LT	B	2	2	2	1.0	419.93	
DID2_RW_PS-39	ICC	1276+50	103.1 LT	B	2	2	2	1.0	413.43	
DID2_RW_PS-39	ICC	1277+00	113.0 LT	B	2	2	2	1.0	407.73	
DID2_RW_PS-39	ICC	1277+50	128.5 LT	B	2	2	2	1.0	396.69	
DID2_RW_PS-39	ICC	1278+00	142.0 LT	B	2	2	2	1.0	389.19	
DID2_RW_PS-40	ICC	1283+50	107.3 LT	A	2	2	2	1.0	406.92	
DID2_RW_PS-40	ICC	1284+00	106.4 LT	A	2	2	2	1.0	405.47	
DID2_RW_PS-40	ICC	1284+50	102.0 LT	A	2	2	2	1.0	402.21	
DID2_RW_PS-40	ICC	1285+00	100.1 LT	A	2	2	2	1.0	399.93	
DID2_RW_PS-40	ICC	1285+50	98.4 LT	A	2	2	2	1.0	397.73	
DID2_RW_PS-40	ICC	1286+00	99.8 LT	A	2	2	2	1.0	395.83	
DID2_RW_PS-40	ICC	1286+50	98.7 LT	A	2	2	2	1.0	395.24	
DID2_RW_PS-40	ICC	1287+00	99.2 LT	A	2	2	2	1.0	393.82	
DID2_RW_PS-40	ICC	1287+50	102.7 LT	A	2	2	2	1.0	390.89	
DID2_RW_PS-40	ICC	1288+00	105.9 LT	A	2	2	2	1.0	388.10	
DID2_RW_PS-40	ICC	1288+50	107.4 LT	A	2	2	2	1.0	386.19	
DID2_RW_PS-40	ICC	1289+00	108.3 LT	A	2	2	2	1.0	384.60	
DID2_RW_PS-40	ICC	1289+50	106.4 LT	A	2	2	2	1.0	384.34	
DID2_RW_PS-40	ICC	1290+00	104.6 LT	A	2	2	2	1.0	384.09	
DID2_RW_PS-40	ICC	1290+50	102.7 LT	A	2	2	2	1.0	383.85	
DID2_RW_PS-40	ICC	1291+00	100.9 LT	A	2	2	2	1.0	383.60	
DID2_RW_PS-40	ICC	1291+50	100.8 LT	A	2	2	2	1.0	383.35	
DID2_RW_PS-40	ICC	1292+00	100.8 LT	A	2	2	2	1.0	383.03	
DID2_RW_PS-40	ICC	1292+50	103.4 LT	A	2	2	2	1.0	382.77	
DID2_RW_PS-41	ICC	1293+00	101.9 LT	A	2	2	2	1.0	380.17	
DID2_RW_PS-41	ICC	1293+50	106.4 LT	A	2	2	2	1.0	376.12	
DID2_RW_PS-41	ICC	1294+00	110.6 LT	A	2	2	2	1.0	373.30	HW-460
DID2_RW_PS-41	ICC	1294+50	107.1 LT	A	2	2	2	1.0	374.31	
DID2_RW_PS-41	ICC	1295+00	99.5 LT	A	2	2	2	1.0	377.62	
DID2_RW_PS-41	ICC	1295+50	102.7 LT	A	2	2	2	1.0	379.74	
DID2_RW_PS-41	ICC	1296+00	129.1 LT	B	2	2	2	1.0	388.61	
DID2_RW_PS-41	ICC	1296+50	165.2 LT	B	2	2	2	1.0	403.13	
DID2_RW_PS-39	ICC	1278+50	137.3 RT	B	2	2	2	1.0	397.49	
DID2_RW_PS-39	ICC	1279+00	125.7 RT	B	2	2	2	1.0	402.51	
DID2_RW_PS-39	ICC	1279+50	118.8 RT	B	2	2	2	1.0	405.17	
DID2_RW_PS-39	ICC	1280+00	119.0 RT	B	2	2	2	1.0	410.46	
DID2_RW_PS-39	ICC	1280+50	130.2 RT	B	2	2	2	1.0	416.22	

NOTES:

"A": TYPE A SOIL STABILIZATION MATTING
"B": TYPE B SOIL STABILIZATION MATTING
OFFSET IS GIVEN TO CENTER OF DITCH
HORIZONTAL SLOPE 'A' SHOWN ON DITCH
TYPICAL IS LOCATED ON THE SIDE OF
DITCH CLOSEST TO THE BASELINE GIVEN
IN THE SCHEDULE.

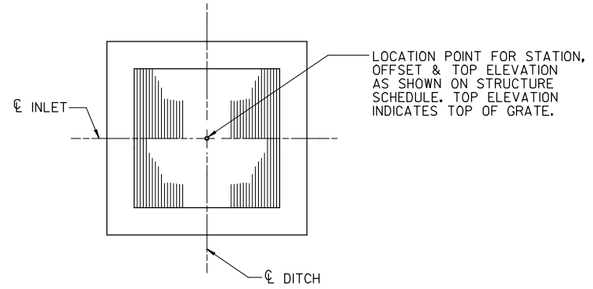


STRUCTURE SCHEDULE

PLAN SHEET	STRUCTURE NO.	STRUCTURE TYPE	BASELINE	STATION	OFFSET (FT)	OFFSET LT/RT	TOP OF CURB/RIM GRATE	INVERT OUT	MD STD.	QUAN. (EACH)	VERT. DEPTH (FT)
DID2_RW_PS-39	EW-440	STD TYPE 'C' ENDWALL - 24" PIPE	ICC	1279+25	139.00'	LT	--	387.90	MD 354.01	1	--
DID2_RW_PS-39	MH-441	48" MANHOLE FOR 24" PIPE	ICC	1281+25	111.00'	LT	402.49	387.90	MD 384.01	1	13.56
DID2_RW_PS-40	I-442	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1281+82	159.00'	LT	398.00	389.13	MD 378.11	1	8.50
DID2_RW_PS-40	EW-446	STD TYPE 'C' ENDWALL - 24" PIPE	ICC	1283+00	137.00'	LT	--	397.00	MD 354.01	1	--
DID2_RW_PS-40	I-447	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1283+00	83.00'	LT	402.82	397.00	MD 378.11	1	5.55
DID2_RW_PS-40	I-448	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1283+00	0.00'	MED	403.43	397.30	MD 378.11	1	5.71
DID2_RW_PS-40	I-449	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1283+00	83.00'	RT	402.82	397.90	MD 378.11	1	4.50
DID2_RW_PS-39	I-450	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1279+25	83.00'	LT	408.80	397.30	MD 378.11	1	6.00
DID2_RW_PS-39	I-451	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1279+25	0.00'	MED	409.41	404.11	MD 378.11	1	4.80
DID2_RW_PS-39	I-452	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1279+25	83.00'	RT	408.80	404.81	MD 378.11	1	3.50
DID2_RW_PS-41	EW-459	STD TYPE 'C' ENDWALL - 36" PIPE	ICC	1295+82	145.50'	RT	--	361.00	MD 354.01	1	--
DID2_RW_PS-41	I-460	STD COMBINATION 'S' INLET	ICC	1294+07	108.00'	LT	373.44	361.00	MD 379.04	1	4.69
DID2_RW_PS-41	ES-461	END SECTION FOR 24" RCP	ICC	1294+93	149.00'	RT	--	365.77	MD 368.01	1	--
DID2_RW_PS-40	MH-462	48" MANHOLE FOR 24" PIPE	ICC	1292+50	117.00'	RT	380.82	365.77	MD 384.01	1	13.83
DID2_RW_PS-40	I-463	RISER STRUCTURE	ICC	1290+94	157.00'	RT	376.00	367.19	--	1	8.00
DID2_RW_PS-40	EW-464	STD TYPE 'C' ENDWALL - 24" PIPE	ICC	1290+56	154.00'	RT	--	375.00	MD 354.01	1	--
DID2_RW_PS-40	I-465	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1292+00	83.00'	RT	382.28	375.00	MD 378.11	1	5.99
DID2_RW_PS-40	I-466	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1292+00	0.00'	MED	382.89	376.49	MD 378.11	1	5.57
DID2_RW_PS-40	I-467	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1292+00	85.00'	LT	382.28	377.52	MD 378.11	1	3.93
DID2_RW_PS-41	I-468	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1296+38	79.00'	RT	377.48	367.79	MD 378.11	1	9.69
DID2_RW_PS-41	I-469	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1296+38	0.00'	MED	378.20	367.99	MD 378.11	1	9.38
DID2_RW_PS-41	I-470	STD TYPE 'K' INLET - SINGLE OPENING	ICC	1296+38	83.00'	LT	378.35	369.02	MD 378.11	1	8.50
DID2_RW_PS-41	EW-475	STD TYPE 'C' ENDWALL - 24" PIPE	ICC	1301+79	155.00'	RT	--	355.00	MD 354.01	1	--
DID2_RW_PS-41	I-476	STD TYPE 'K' INLET -SINGLE OPENING	ICC	1302+50	83.00'	RT	381.63	355.00	MD 378.11	1	8.94
DID2_RW_PS-41	I-477	STD TYPE 'K' INLET -SINGLE OPENING	ICC	1302+50	0.00'	MED	382.84	372.21	MD 378.11	1	9.10
DID2_RW_PS-41	I-478	STD TYPE 'K' INLET -SINGLE OPENING	ICC	1302+50	85.00'	LT	383.07	373.24	MD 378.11	1	8.33
DID2_RW_PS-41	I-471	*WATER QUALITY INLET	ICC	1297+70	71.00'	RT	378.44	373.44	--	1	5.00
DID2_RW_PS-41	I-472	*WATER QUALITY INLET	ICC	1298+08	15.00'	LT	379.90	374.90	--	1	5.00
DID2_RW_PS-42	I-479	*WATER QUALITY INLET	ICC	1307+65	71.00'	RT	387.26	382.26	--	1	5.00
DID2_RW_PS-42	I-480	*WATER QUALITY INLET	ICC	1308+33	15.00'	LT	388.15	383.15	--	1	5.00
	HW-426	STD TYPE 'C' ENDWALL-24" PIPE	ICC	1266+25	132.00'	RT	408.56	406.00	354.01	1	--
	HW-427	STD TYPE 'C' ENDWALL-24" PIPE	ICC	1266+25	109.00'	LT	412.56	410.00	354.01	1	--
	HW-428	STD TYPE 'C' ENDWALL-72" PIPE	ICC	1266+50	123.00'	RT	413.25	407.00	354.01	1	--
	HW-429	STD TYPE 'C' ENDWALL-72" PIPE	ICC	1266+50	101.00'	LT	416.75	410.50	354.01	1	--

*STORM FILTER OR APPROVAL EQUAL THAT IS ACCEPTABLE TO SHA AND MDE FOR WATER QUALITY MANAGEMENT.

NOTE: OFFSETS FOR INLETS AND MANHOLES WERE MEASURED TO THE CENTER OF THE STRUCTURES.



STD 'K' INLET

INLET LOCATION DETAILS

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

DRAINAGE SCHEDULE

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

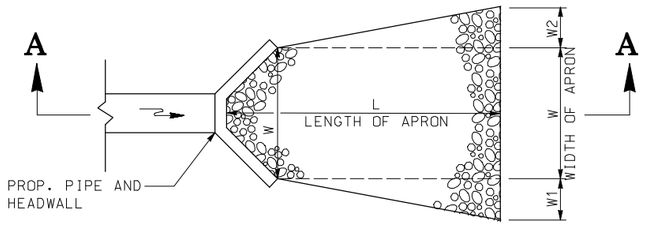
DESIGNED BY C.Z.J.
DRAWN BY C.Z.J.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

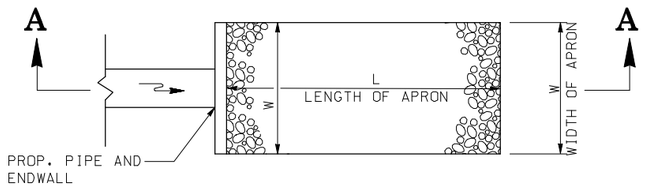
DRAWING NO. D1D2_DR_DE-01 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 04:58 PM
FILE: C:\PW_WORKING_XM\PTG\C0036159\DMS84236\PDS-0001_ICC-A_D1.DGN

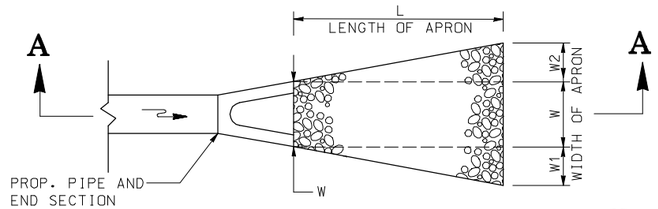
BY: C0036159



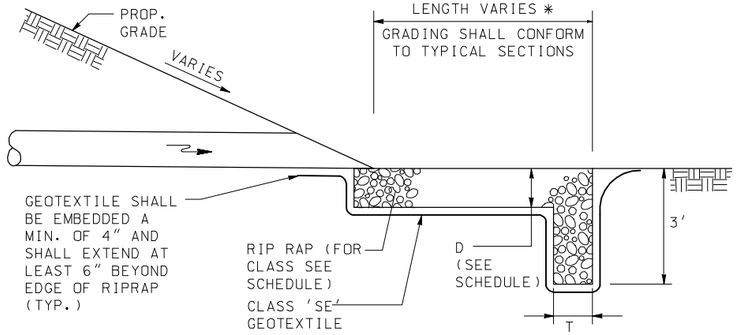
RIP RAP OUTLET PROTECTION DETAIL
FOR HEADWALLS (A)
NOT TO SCALE



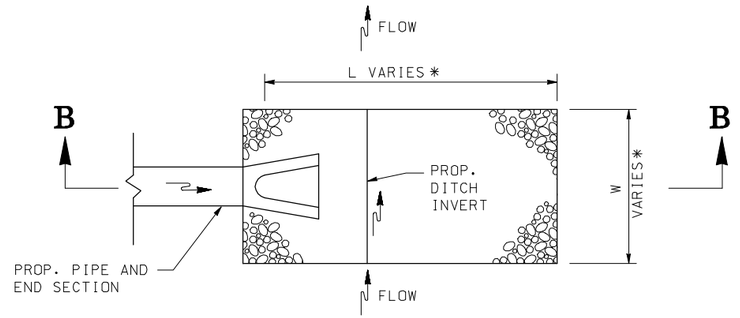
RIP RAP OUTLET
PROTECTION DETAIL FOR ENDWALLS (B)
NOT TO SCALE



RIP RAP OUTLET PROTECTION DETAIL
FOR END SECTIONS (C)
NOT TO SCALE

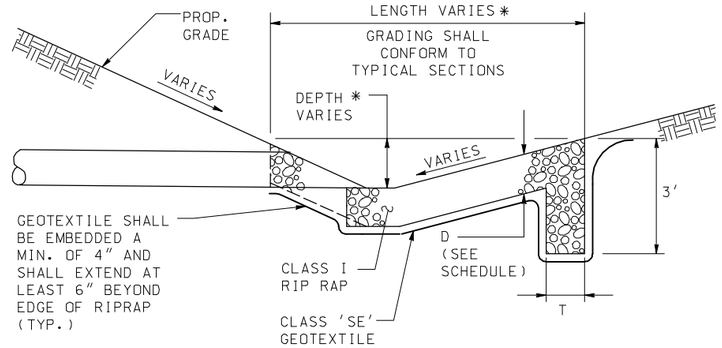


SECTION A-A
NOT TO SCALE



*SEE RIP RAP OUTLET PROTECTION SCHEDULES FOR APRON DIMENSIONS.

RIP RAP OUTLET PROTECTION DETAIL FOR PIPES
OUTFALLING PERPENDICULAR TO HIGHWAY SIDE DITCHES (D)
NOT TO SCALE



SECTION B-B
NOT TO SCALE

NOTE: EXCAVATED MATERIAL TO BE REMOVED AND DISPOSED OF OFFSITE, REUSE THE MATERIAL IF IT IS SUITABLE FOR CONSTRUCTION.

RIPRAP APRON SCHEDULE											
PLAN SHEET	STRUCTURE NO.	BASELINE	L (FT)	W (FT)	W1 (FT)	W2 (FT)	T (FT)	D (IN)	RIPRAP (SY)	CLASS	DETAIL
DID2_RW_PS-40	EW-446	ICC	14	7	0	0	1	19	11	1	B
DID2_RW_PS-41	ES-461	ICC	10	8	0	0	1	19	9	1	C
DID2_RW_PS-40	EW-464	ICC	10	8	0	0	1	19	9	1	B
DID2_RW_PS-41	EW-459	ICC	14	10	0	0	1	19	16	1	A
DID2_RW_PS-41	EW-475	ICC	10	8	0	0	1	19	9	1	B
DID2_RW_PS-39	EW-440	ICC	22	11	0	0	1	19	27	1	B

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

DRAINAGE DETAILS

SCALE N.T.S. DATE OCT. 2007 CONTRACT NO. AT3765960

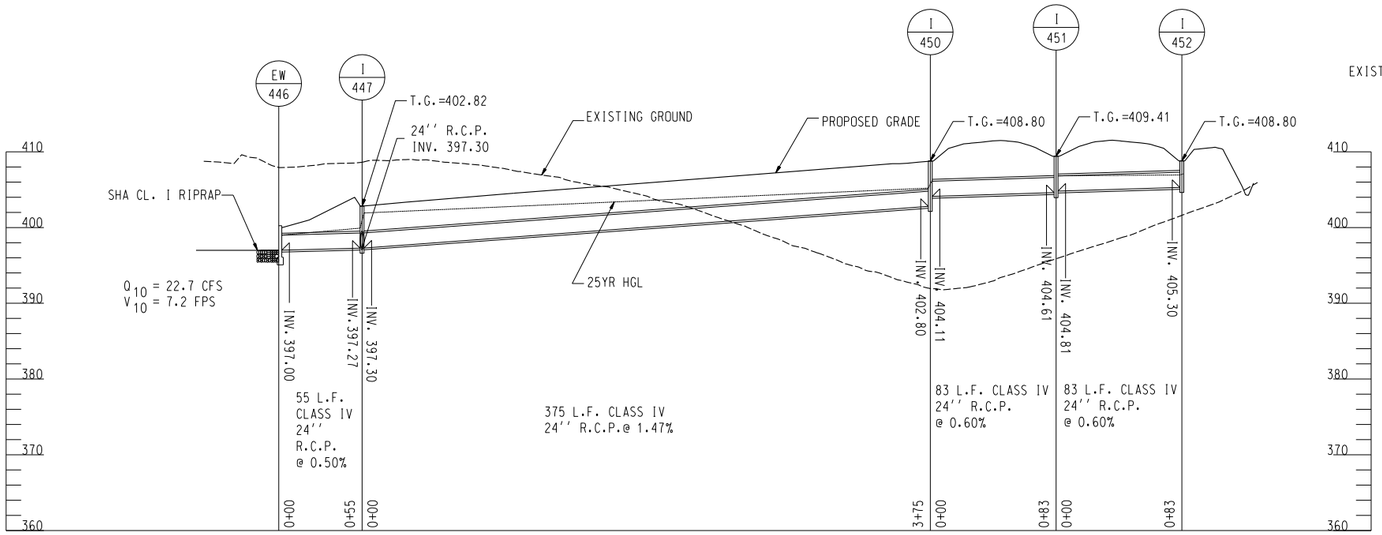
DESIGNED BY C.Z.J.
DRAWN BY C.Z.J.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

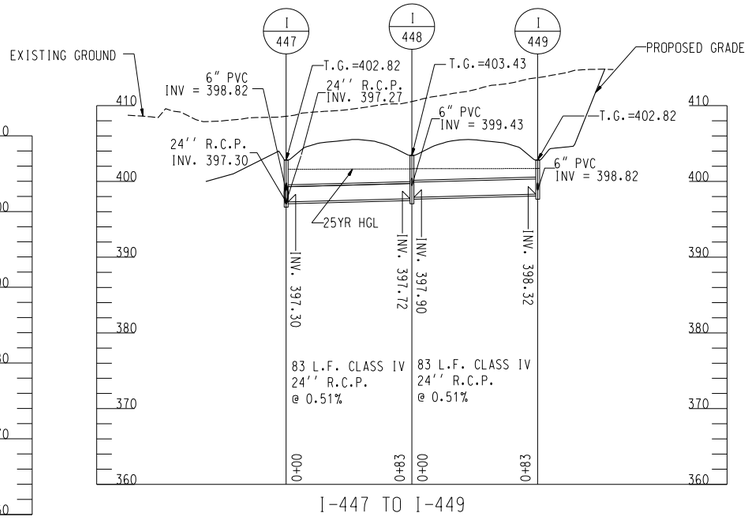
DRAWING NO. D1D1_DR_DE-02 SHEET NO. OF

PLOTTED: SATURDAY, JANUARY 26, 2008 AT 04:18 PM
FILE: C:\PW_WORKING_XM\PTG\C0036380\DMS84236\PDS-0002_ICC-A_D1.DGN

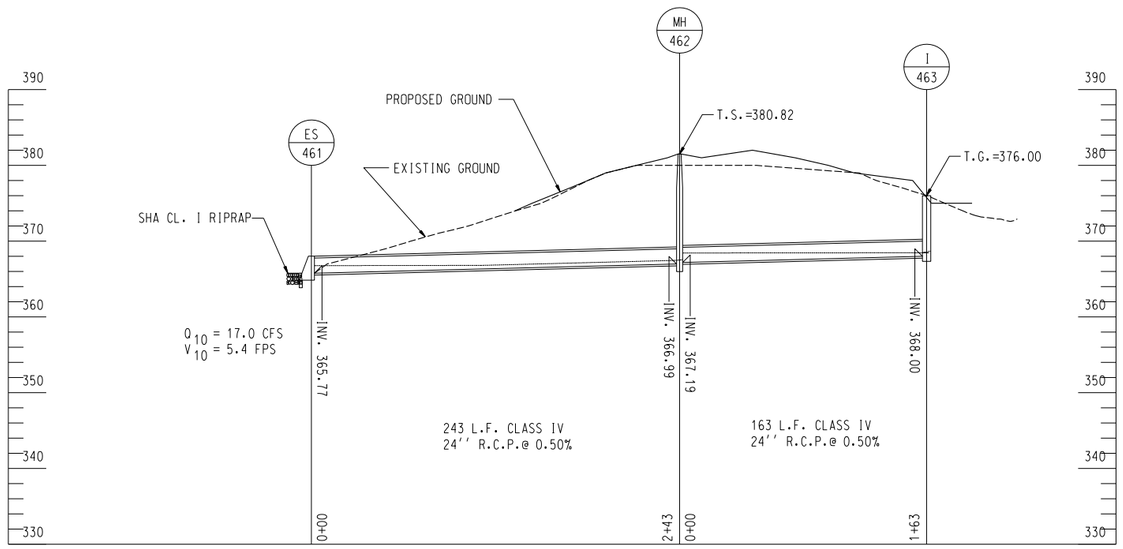
BY: C0036380



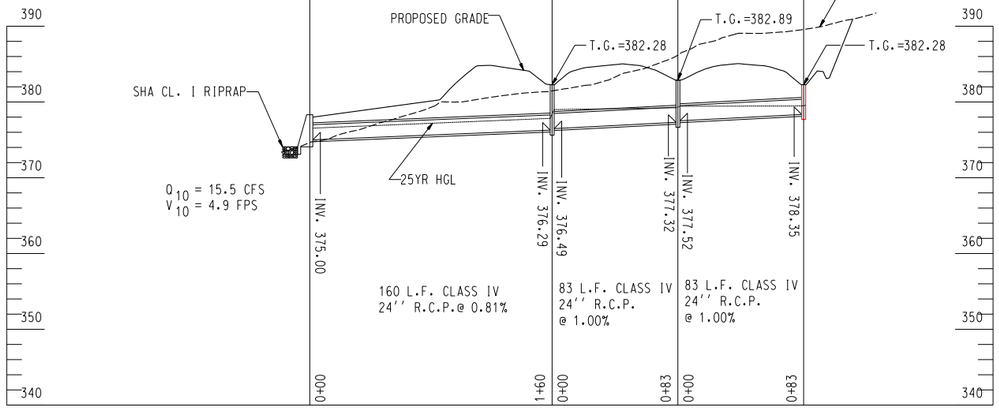
EW-446 TO I-452



I-447 TO I-449



ES-461 TO I-463



ES-464 TO I-467

SCALE: HORIZONTAL 1"= 50'
VERTICAL 1"= 10'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

DRAINAGE PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

DESIGNED BY M.B.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

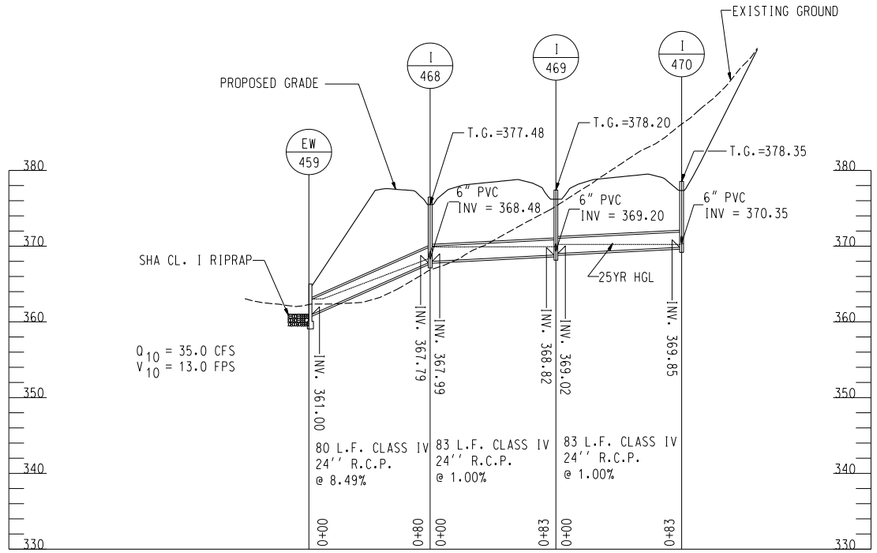
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_PR-01

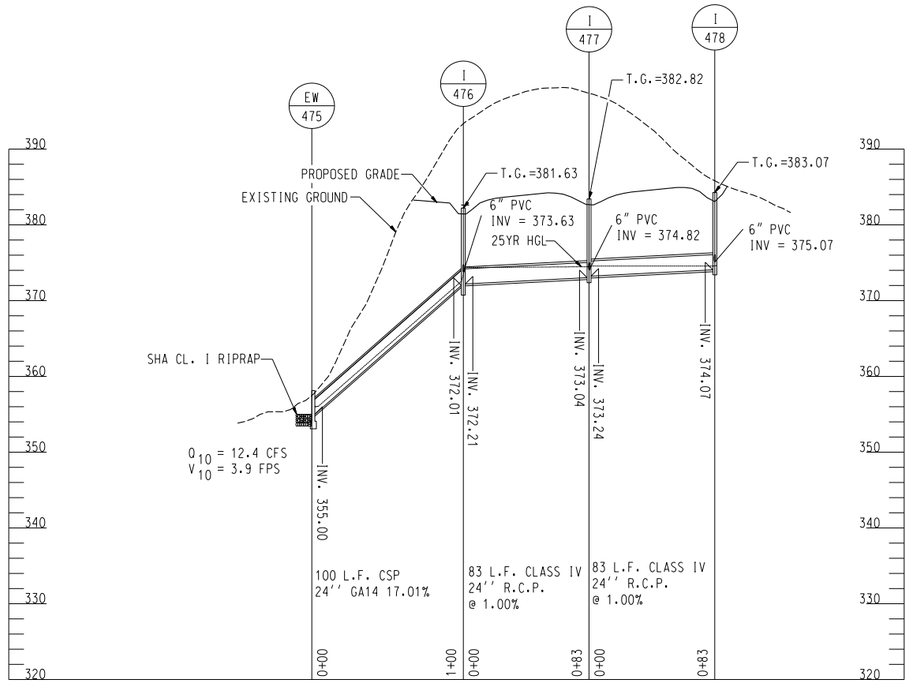
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04236\PDP-P001_ICC-A.DLDGN

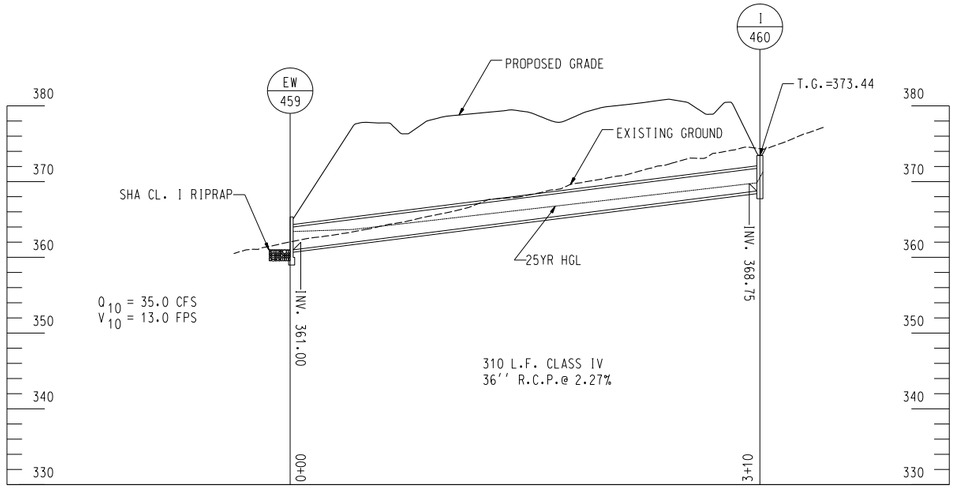
BY: 34972



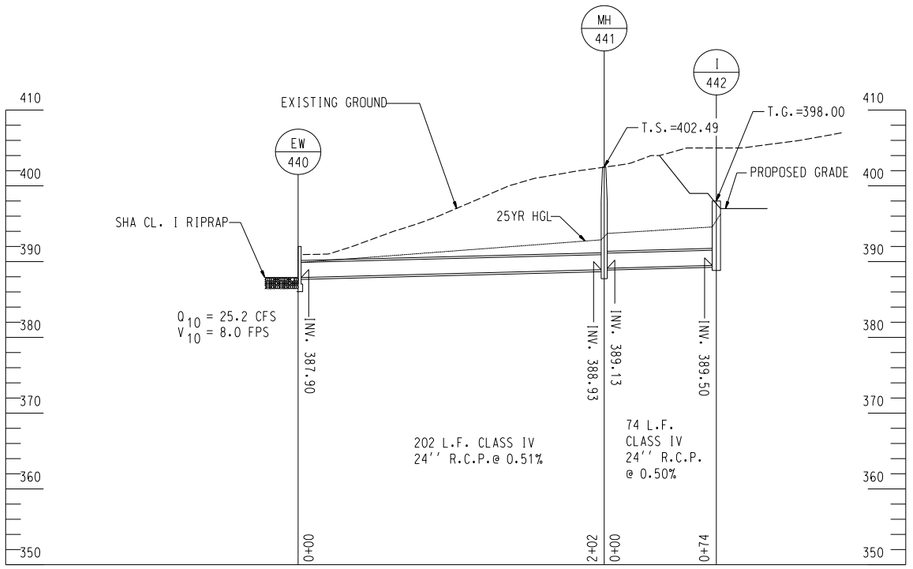
EW-459 TO I-470



EW-475 TO I-478



EW-459 TO I-460



EW-440 TO I-442

SCALE: HORIZONTAL 1"= 50'
VERTICAL 1"= 10'

SEGMENT D1D2
ISSUED FOR REVIEW

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION

INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2 FINAL DESIGN

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

REVISIONS

DRAINAGE PROFILE

SCALE AS SHOWN DATE OCT. 2007 CONTRACT NO. AT3765960

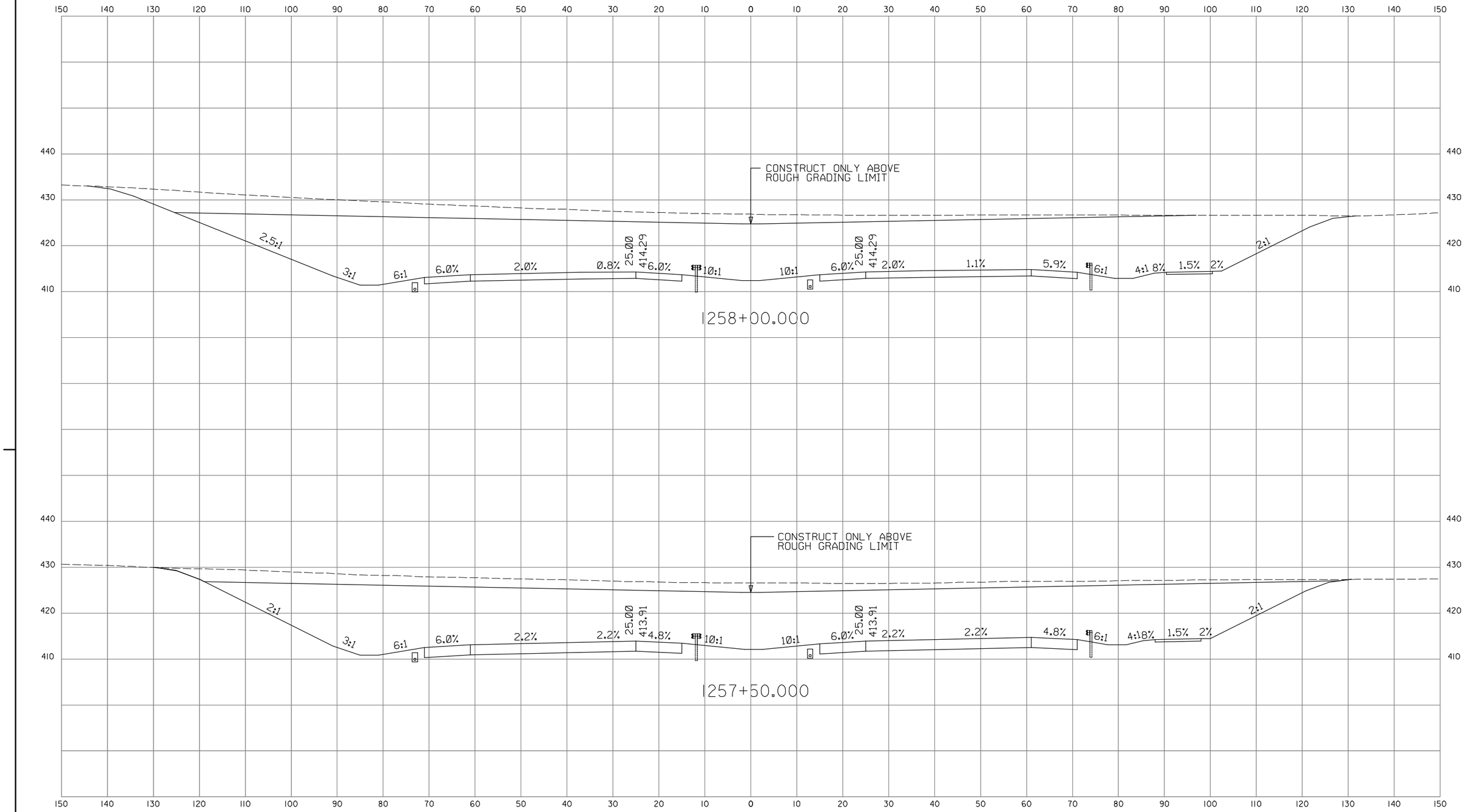
DESIGNED BY M.B.
DRAWN BY Y.A.
CHECKED BY K.H.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. D1D2_DR_PR-02 SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:37 AM
FILE: C:\PW_WORKING_XM\PTG\34972\DMS04236\PDP-P002.ICC-A.D1.DGN

BY: 34972



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

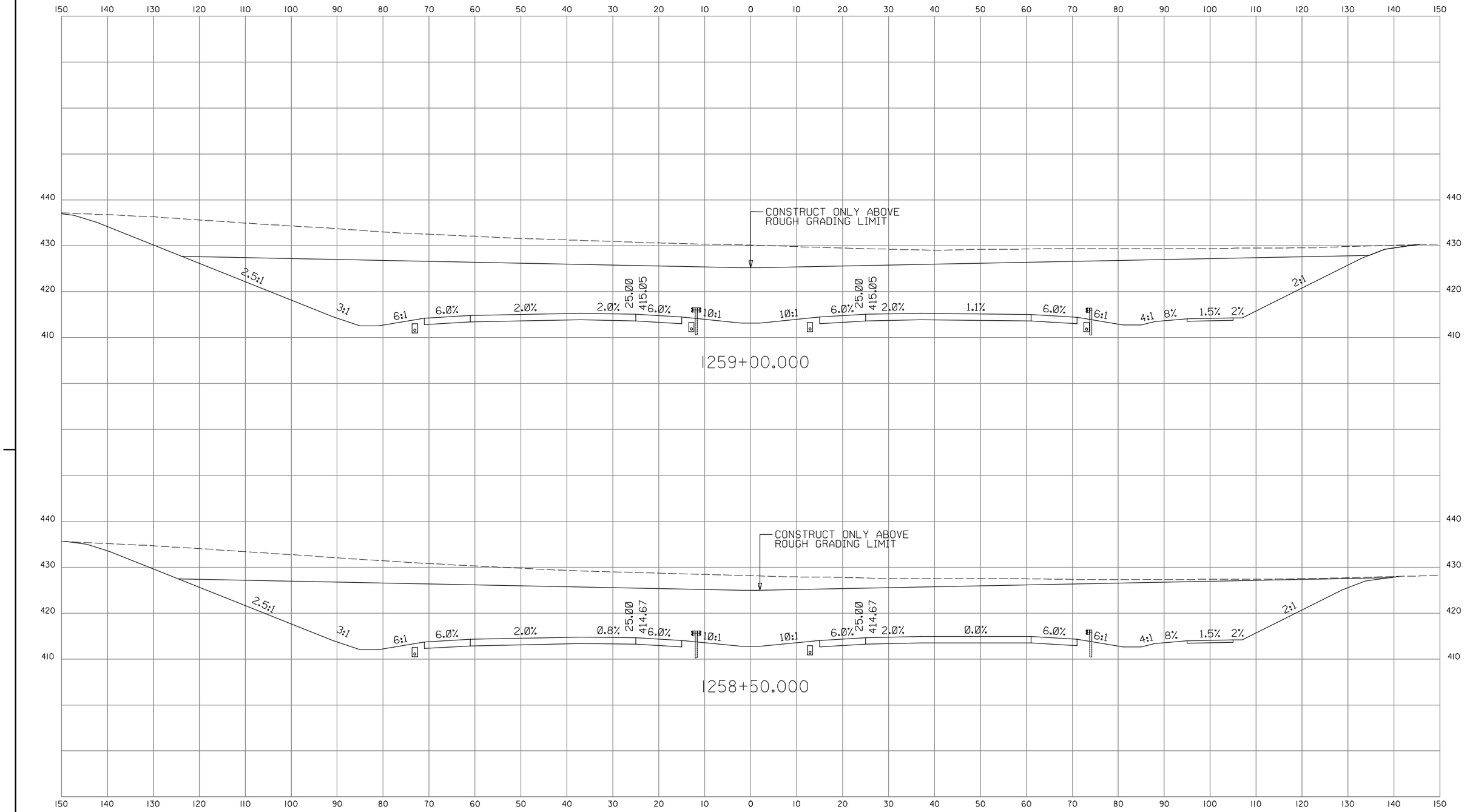
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

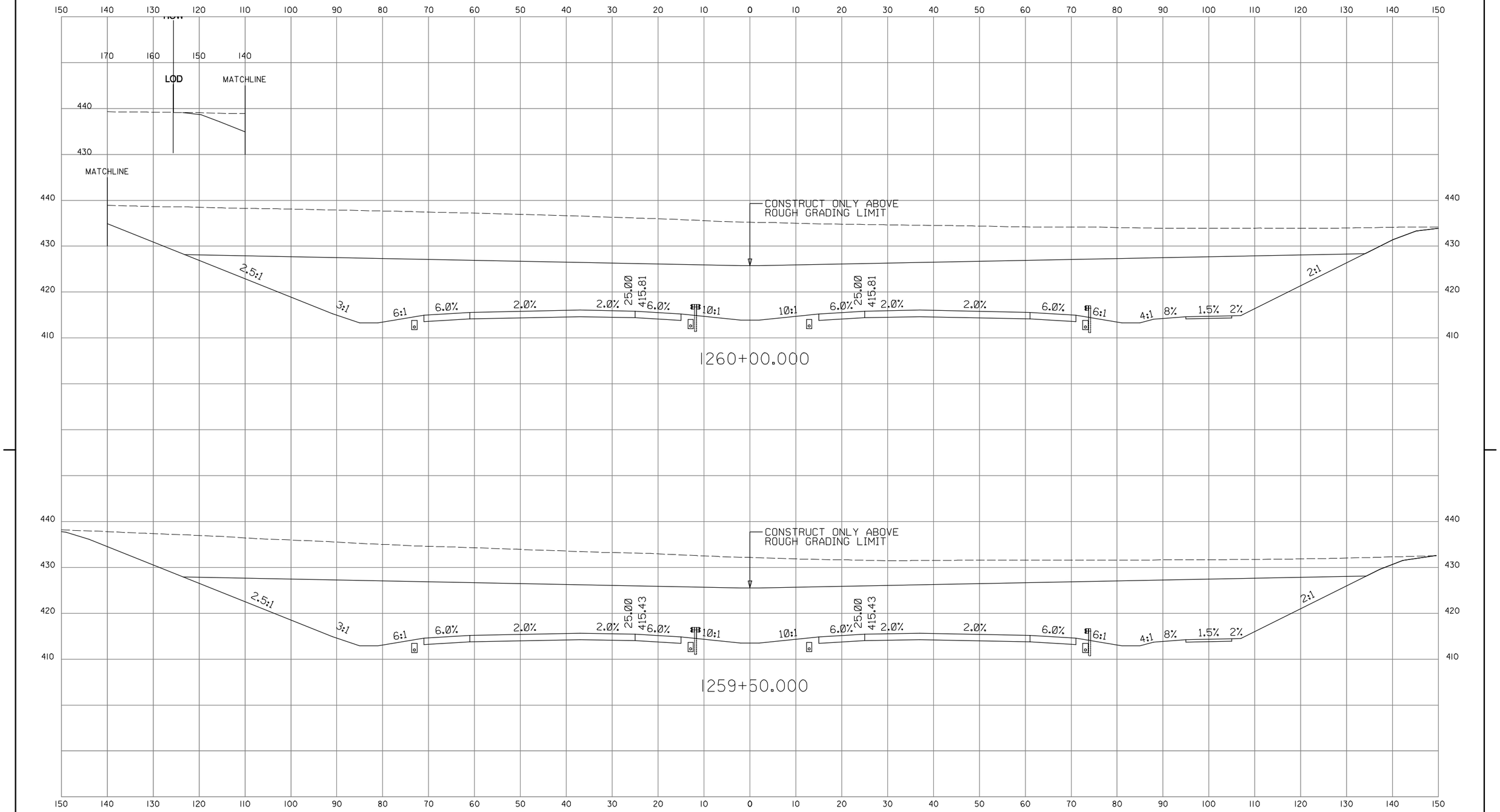
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

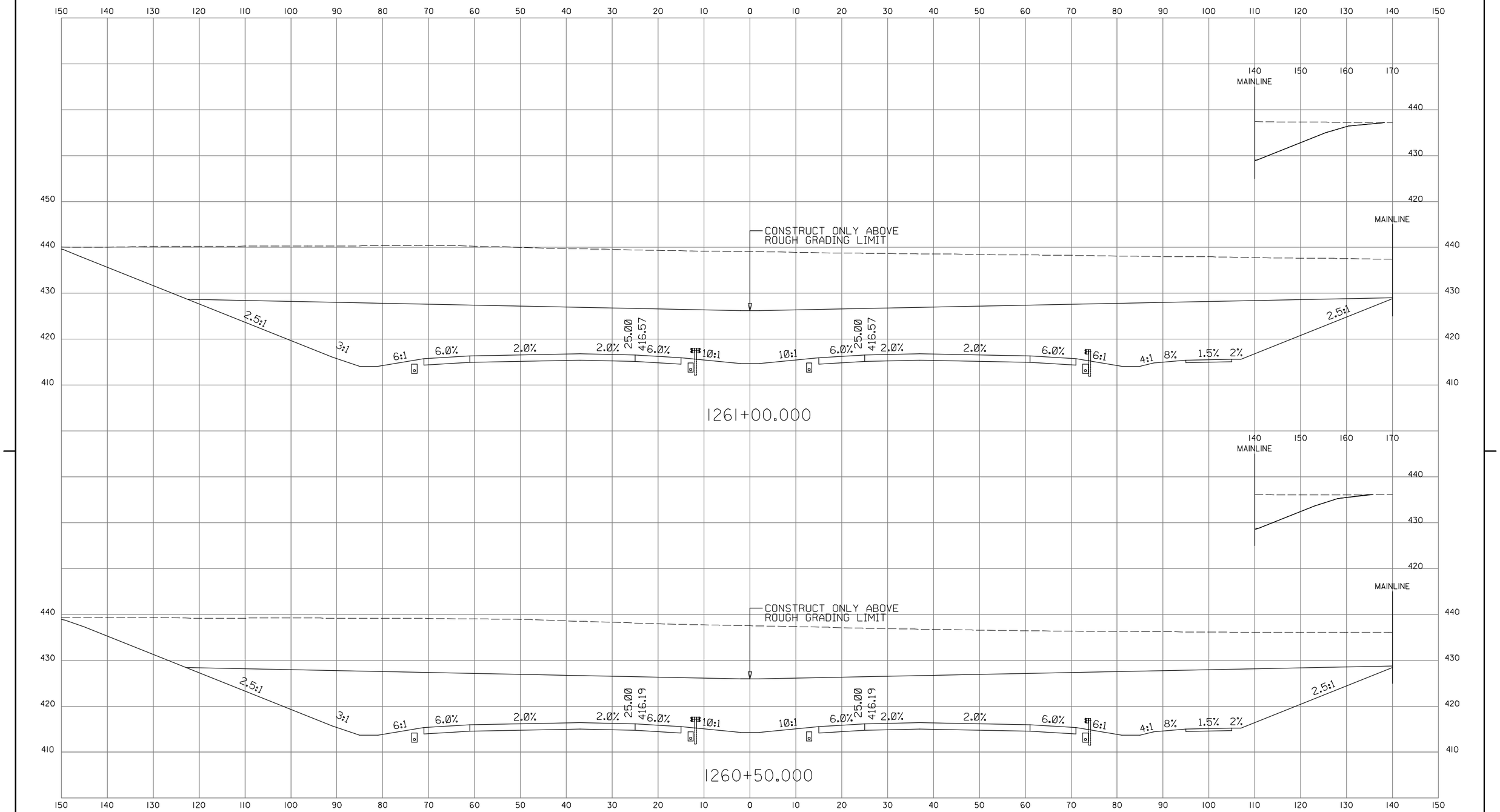
PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

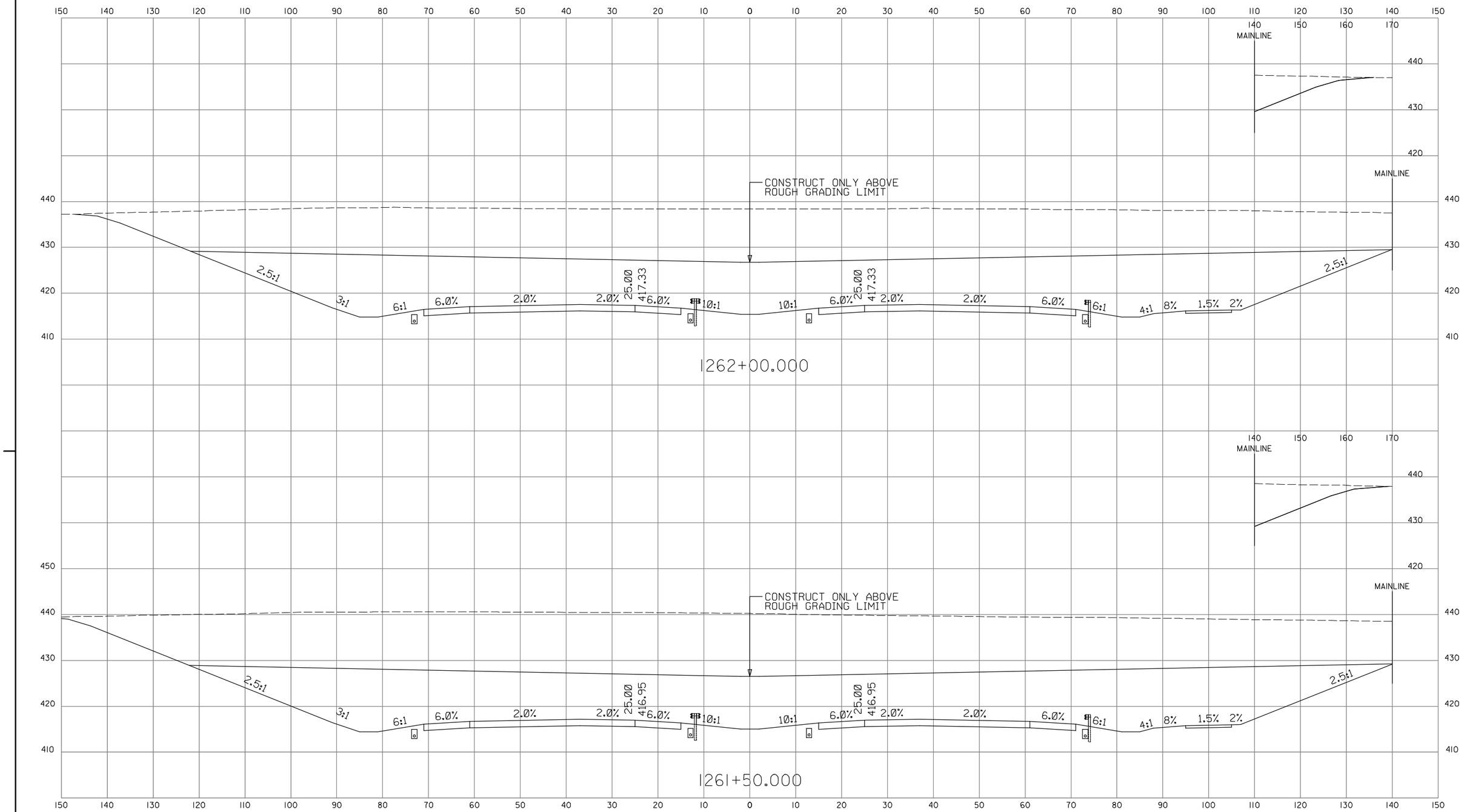
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD1.SHG

BY: P0009454



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

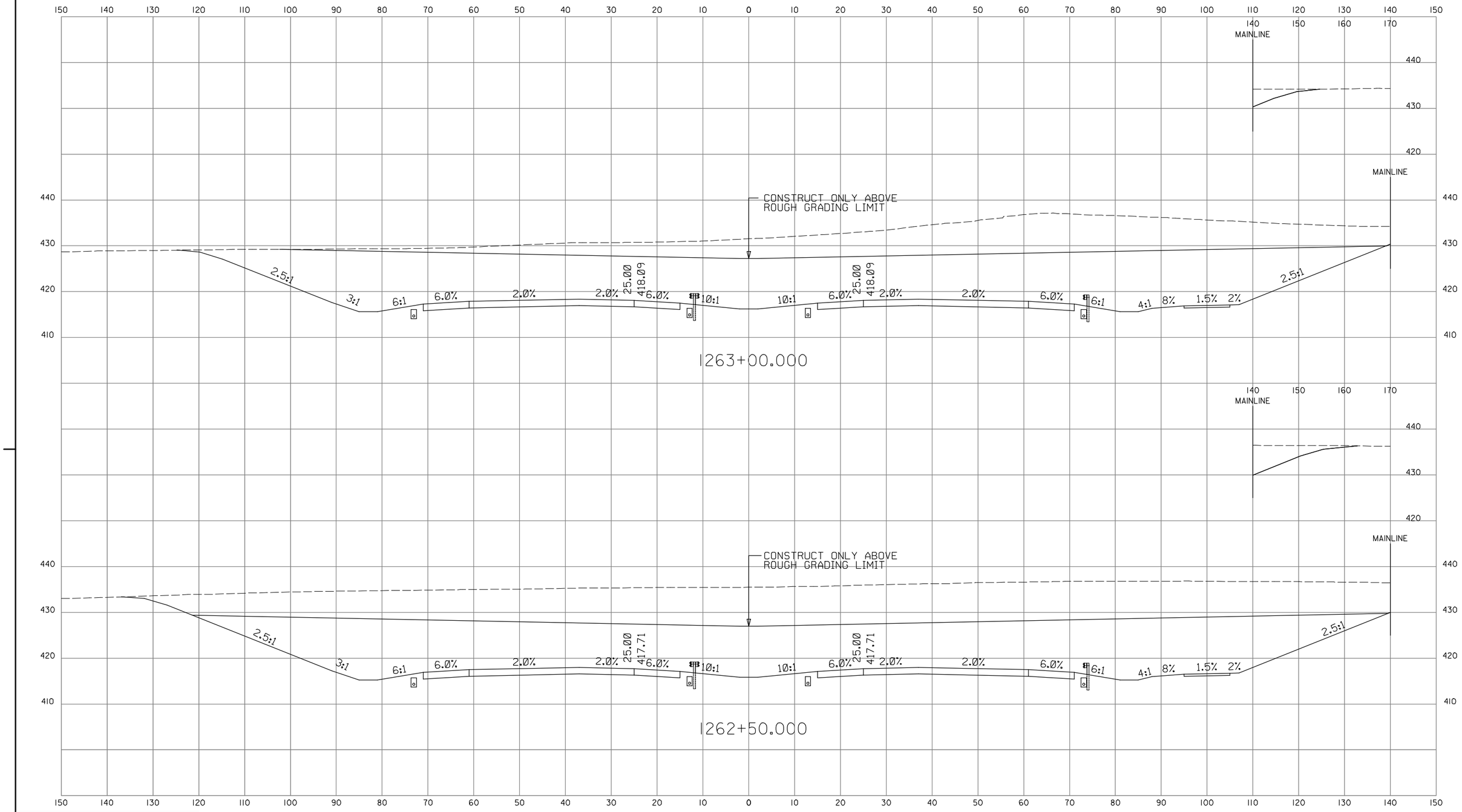
SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD1.SHG



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

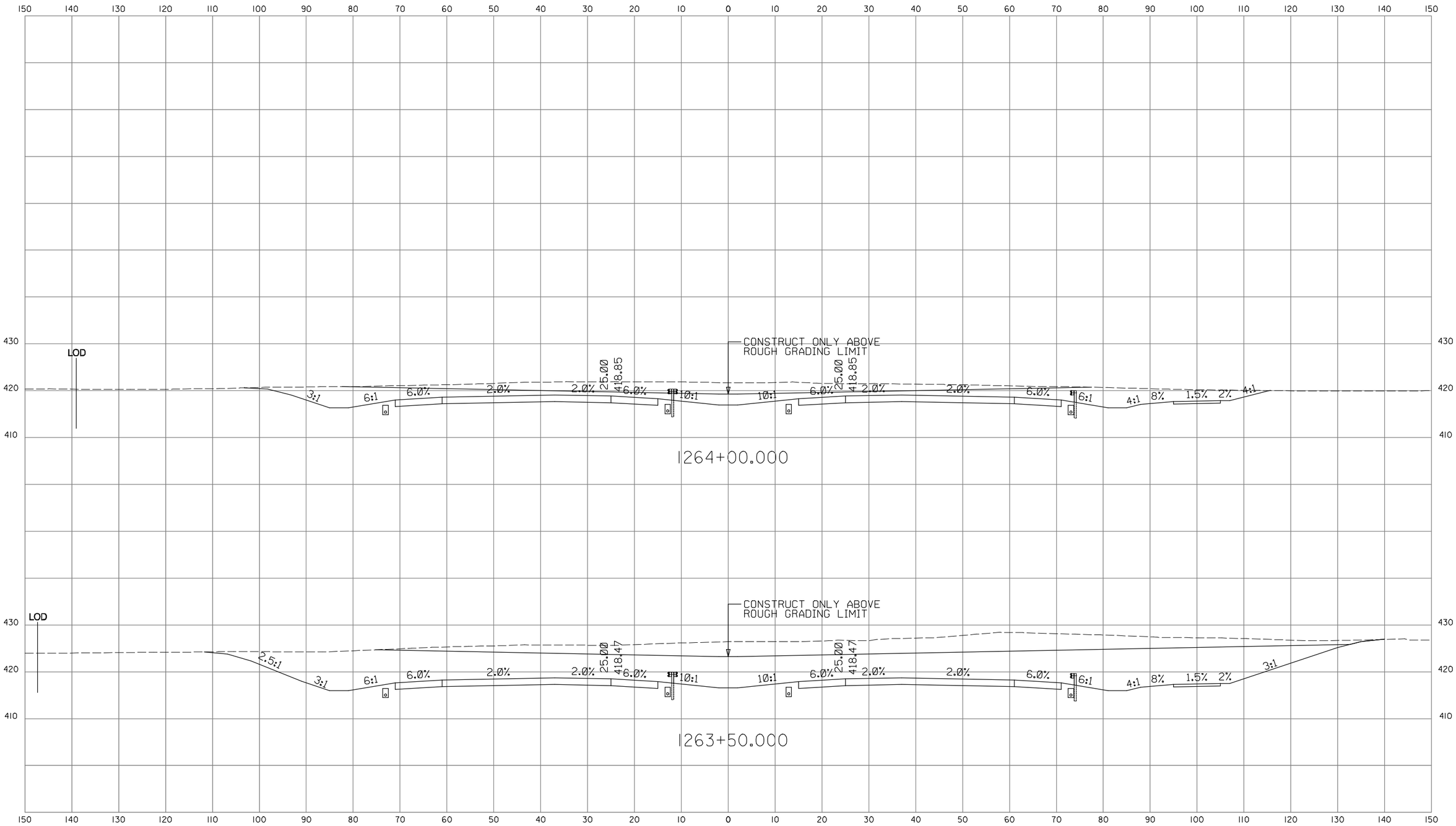
PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:48 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD1.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

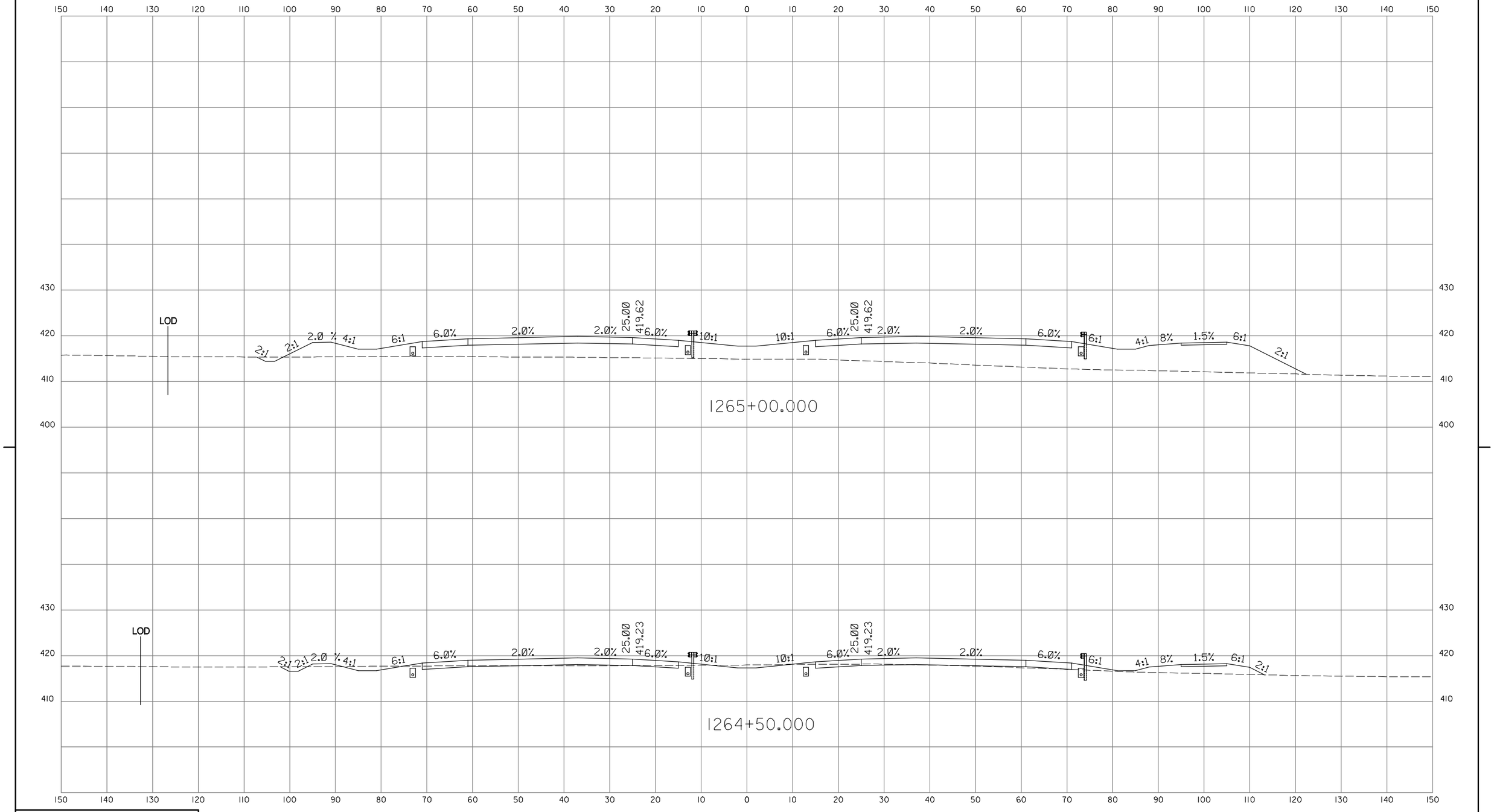
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

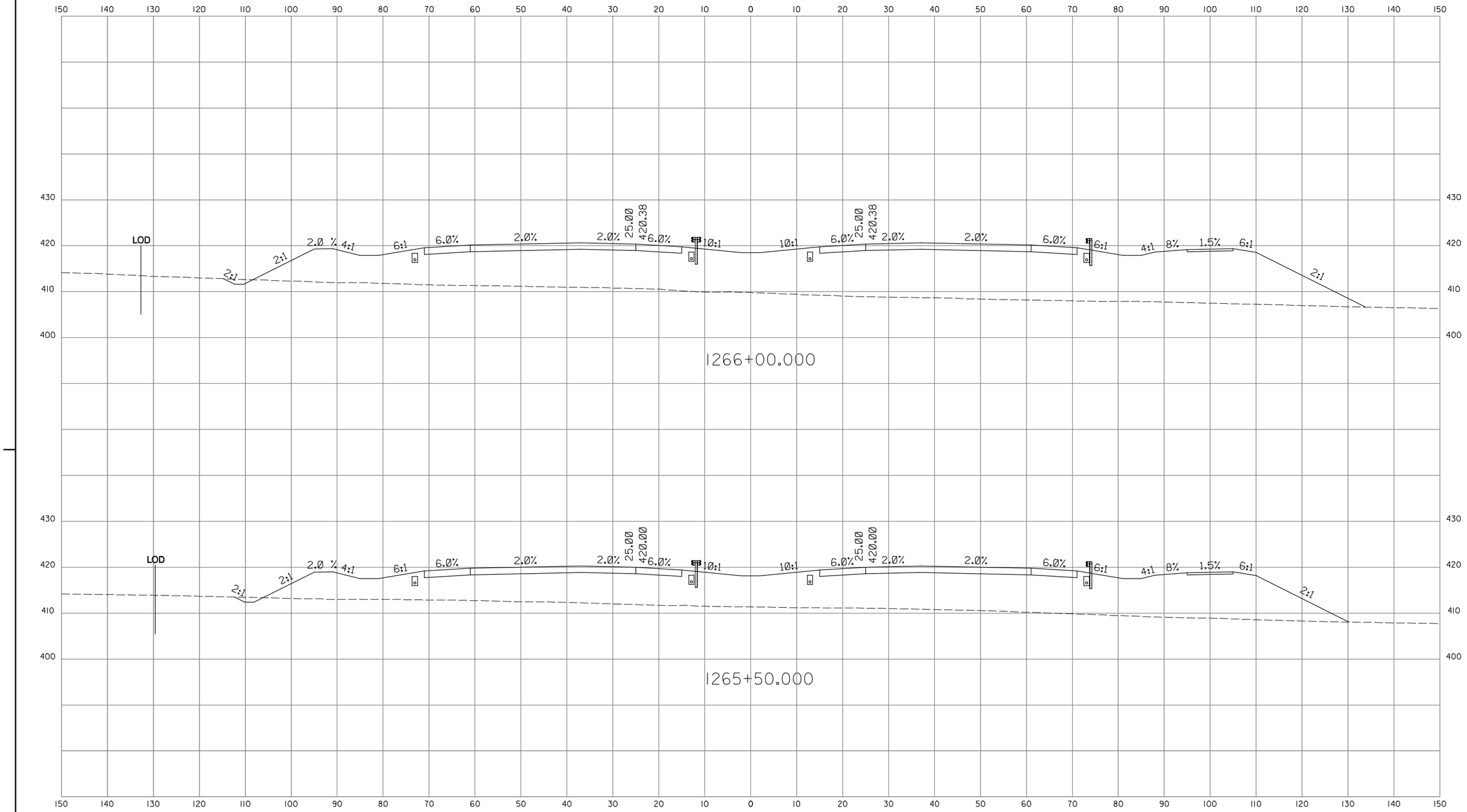
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

BY: P0009454

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

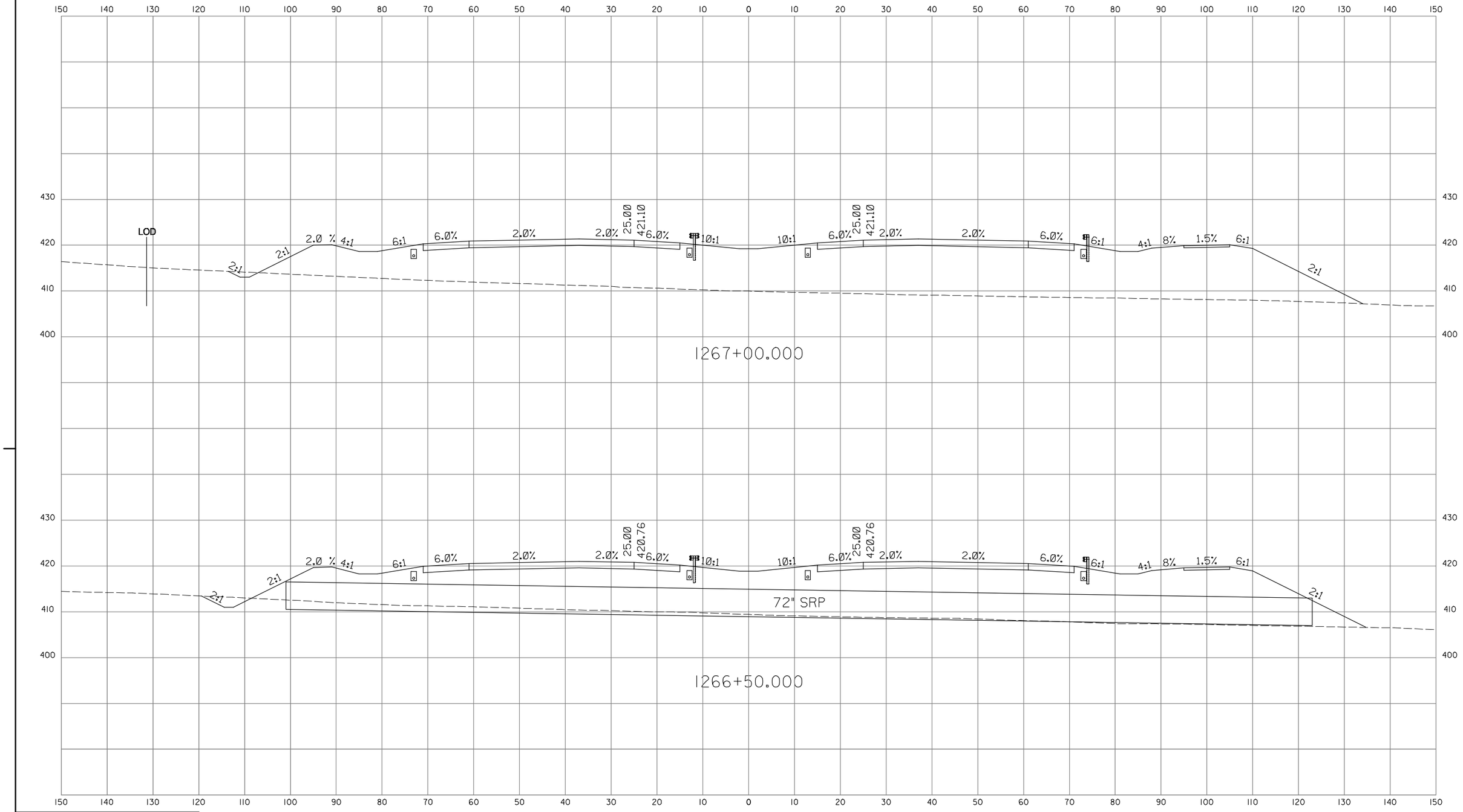
SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

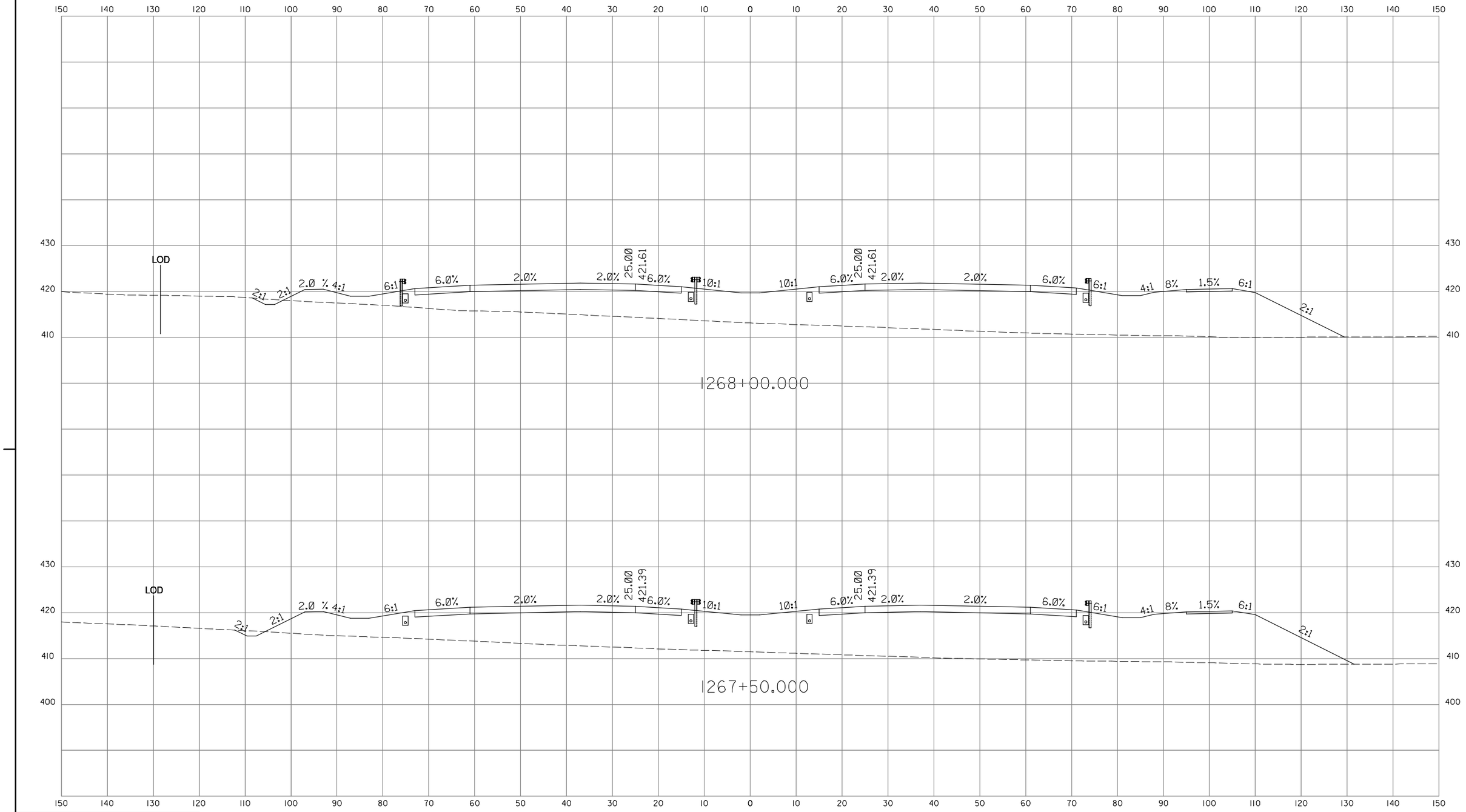
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

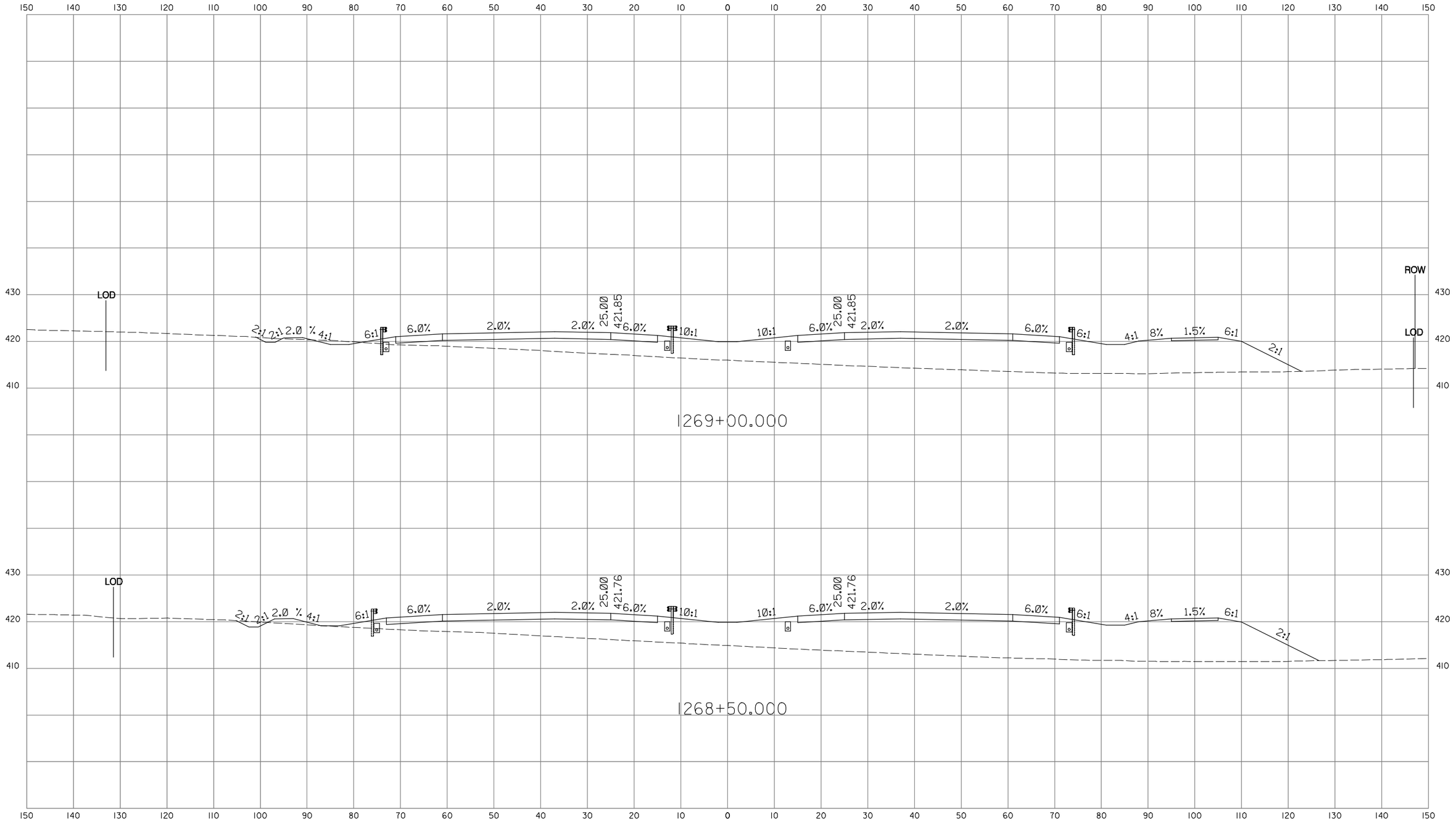
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:48 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS804232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

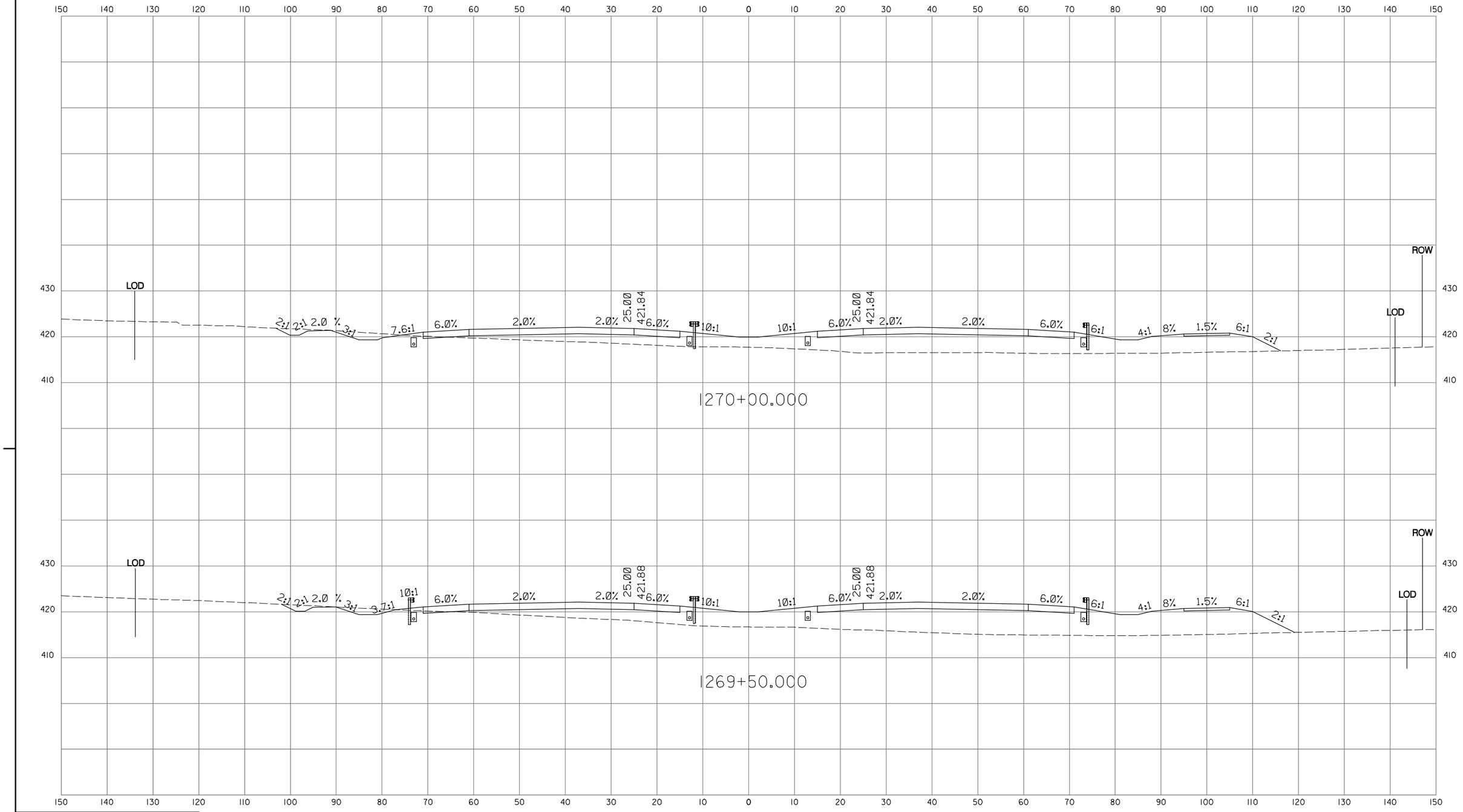
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:48 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

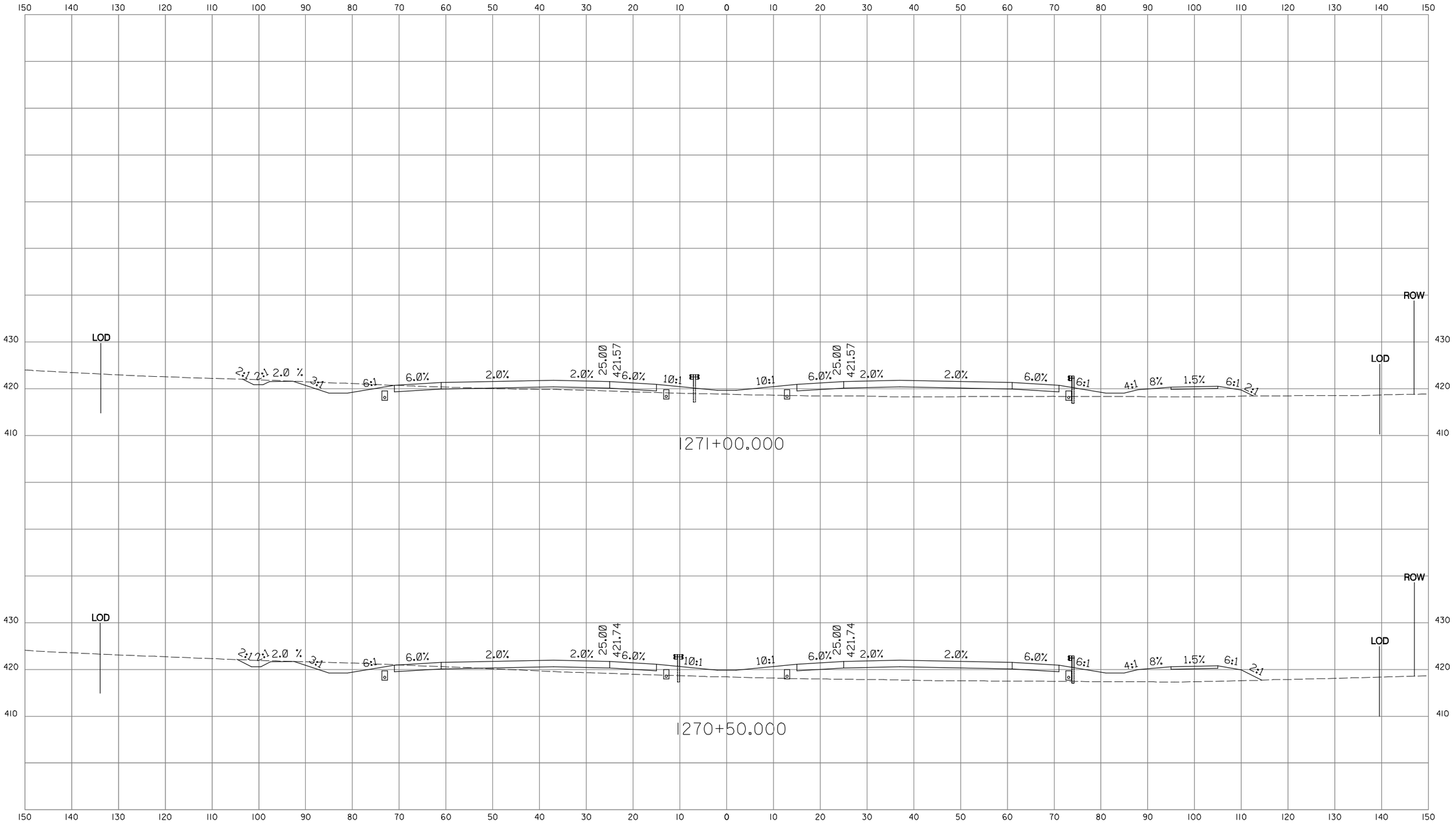
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

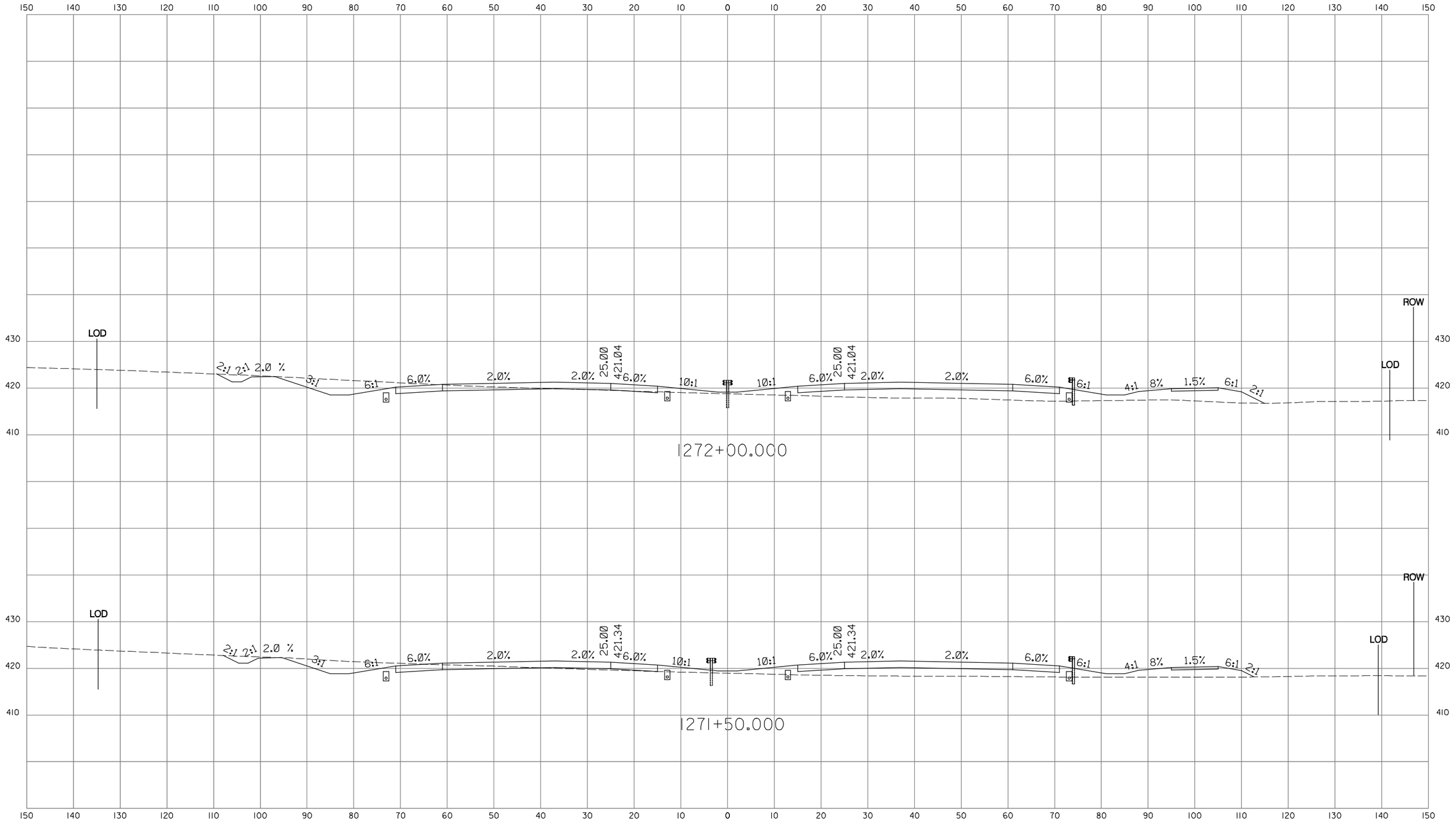
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

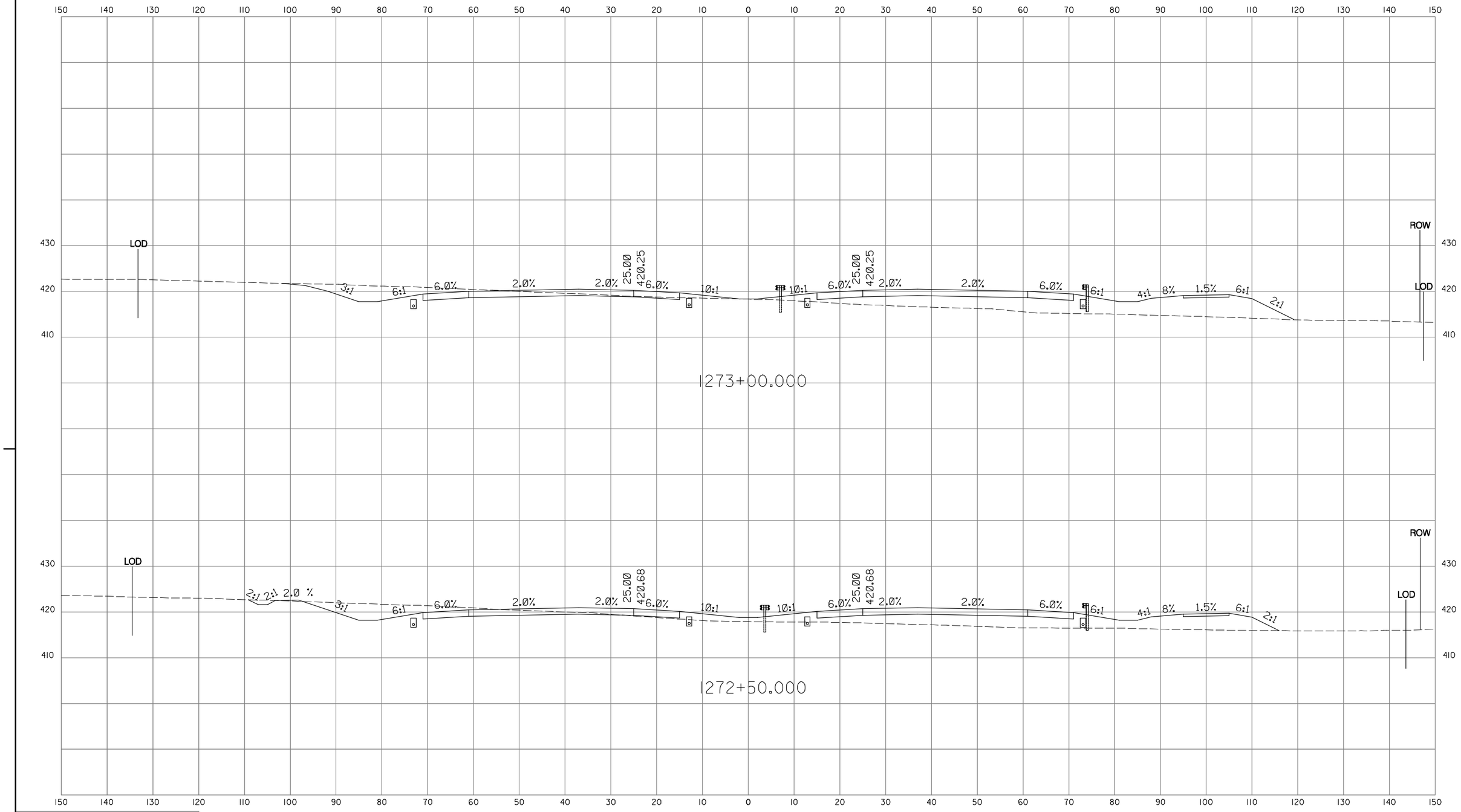
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

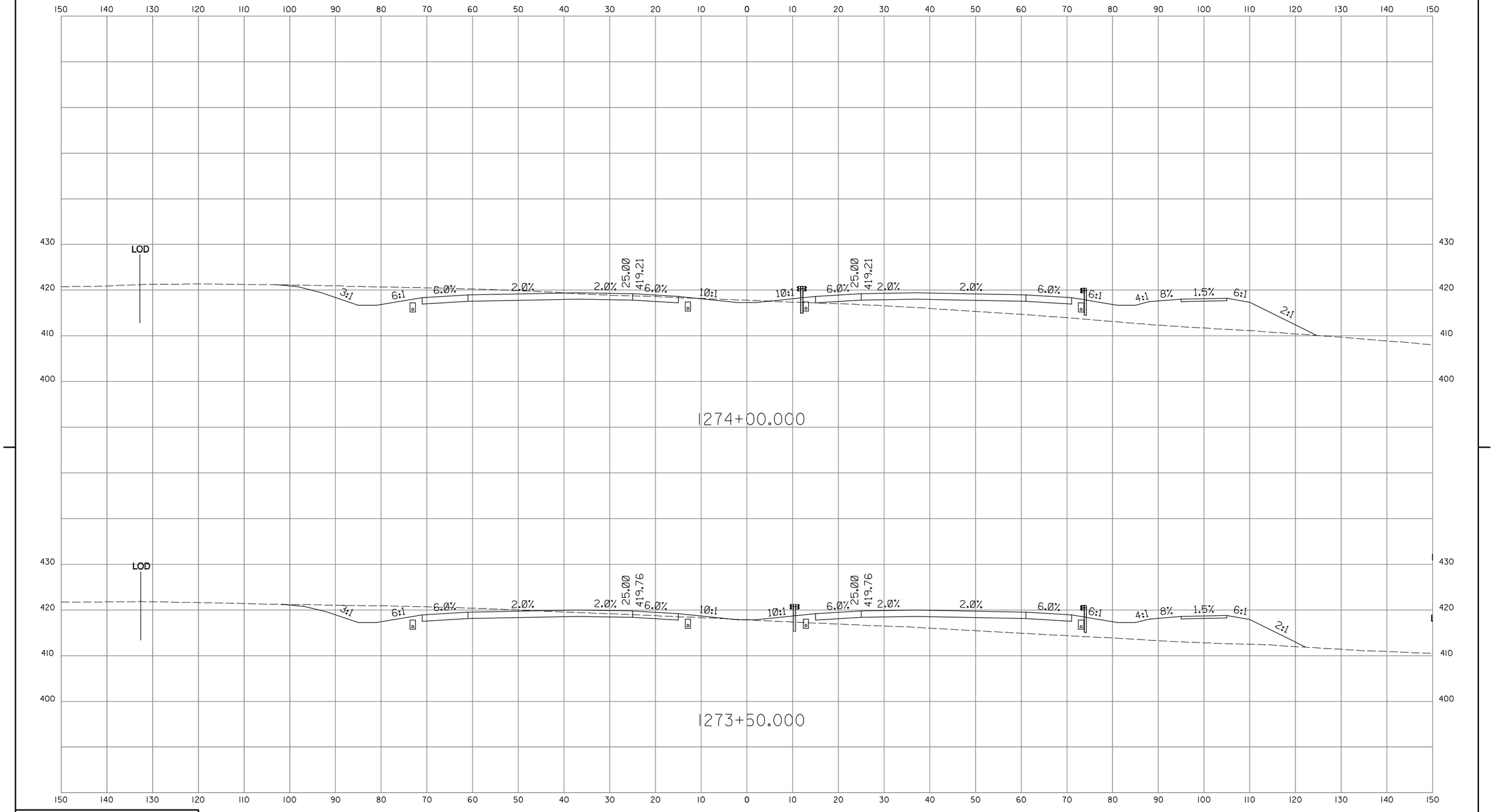
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

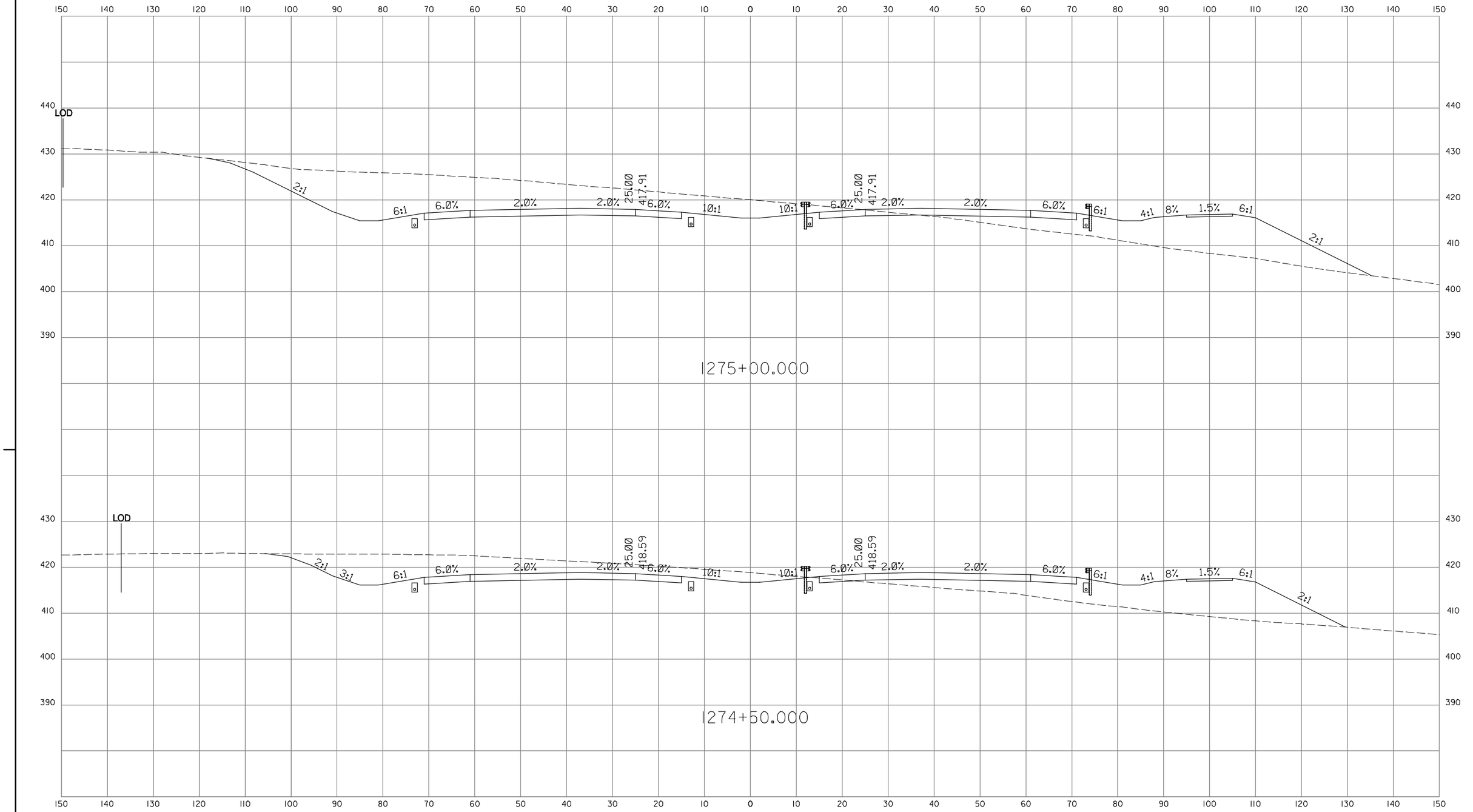
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:48 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

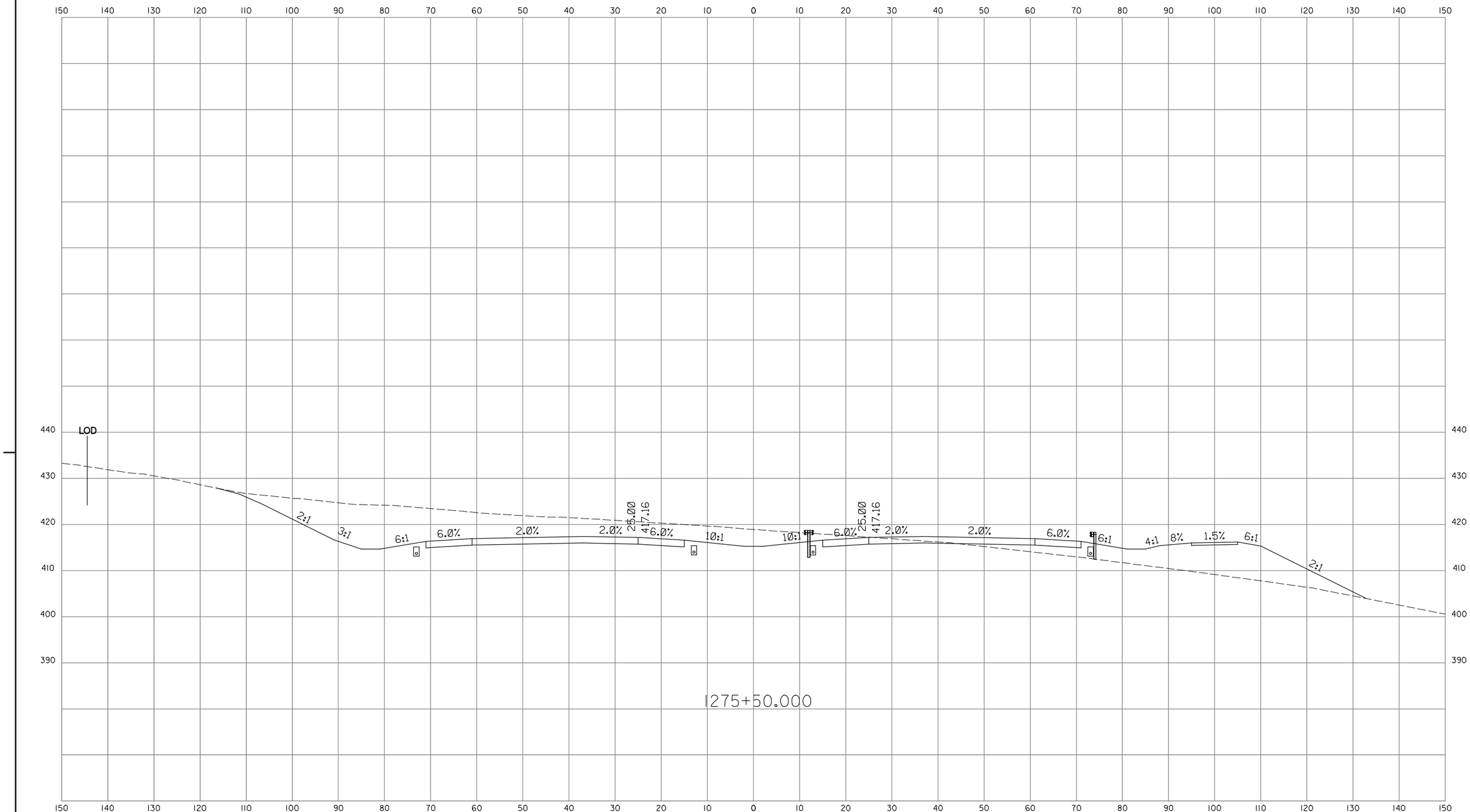
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:48 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

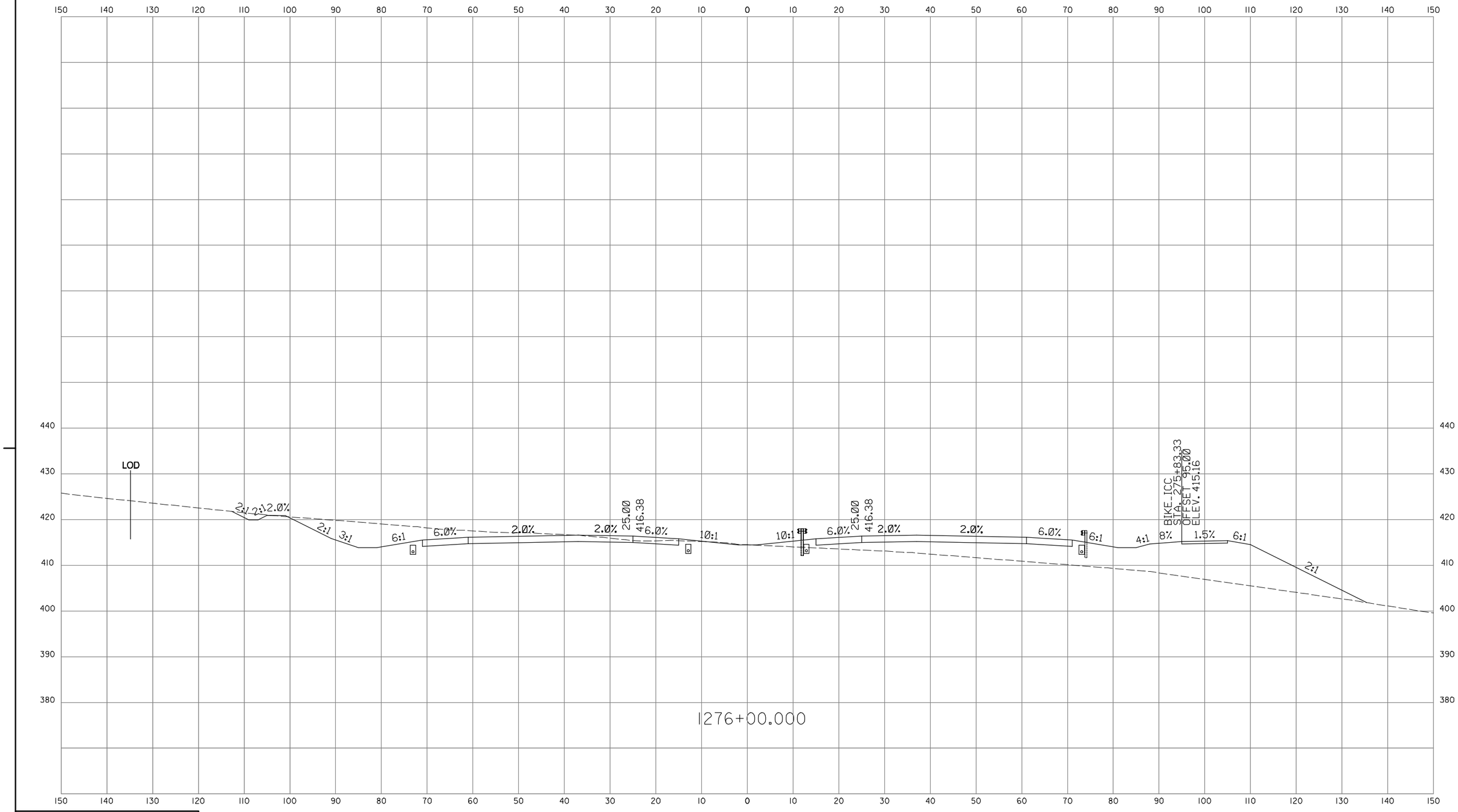
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:40 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD1.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO. _____
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

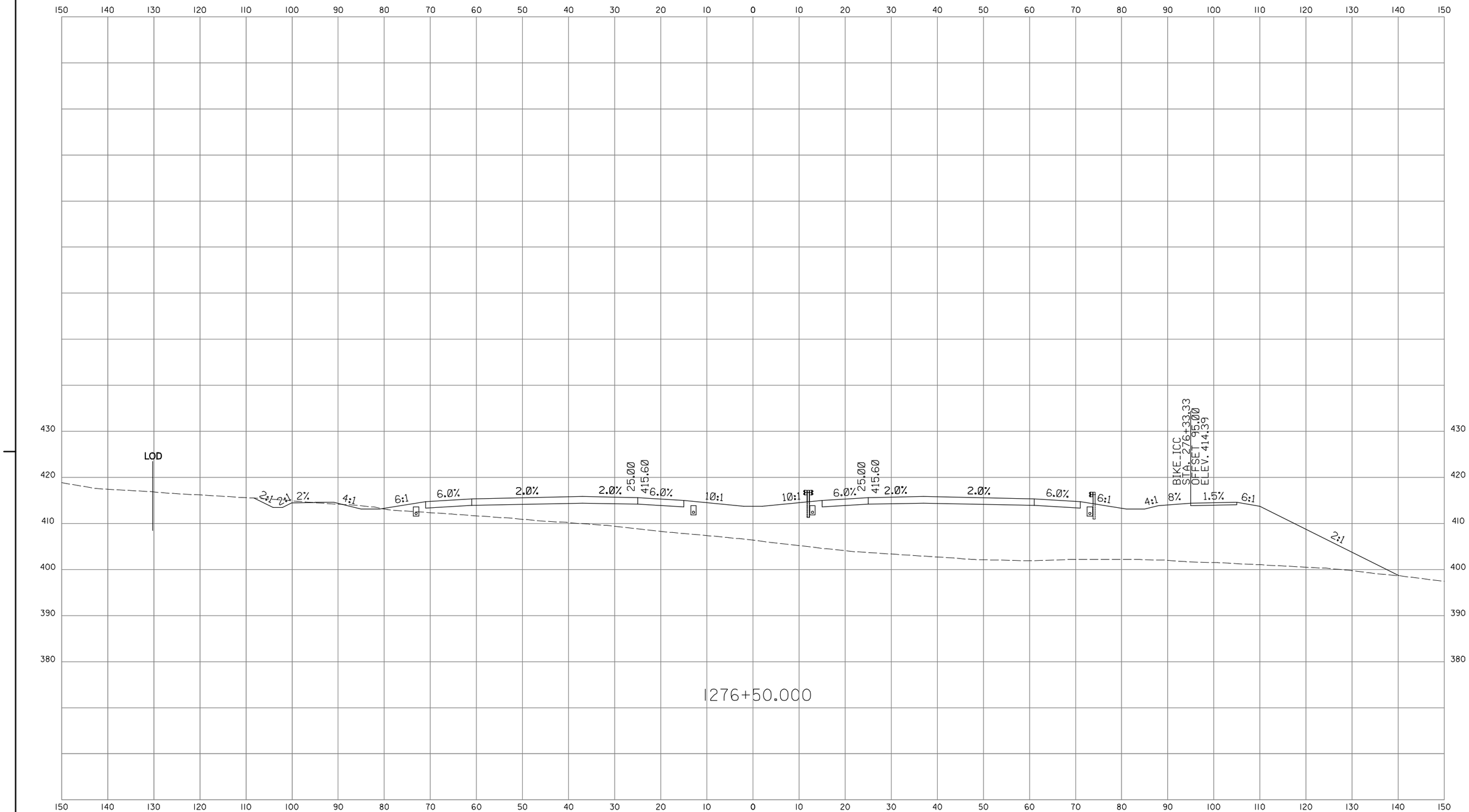
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

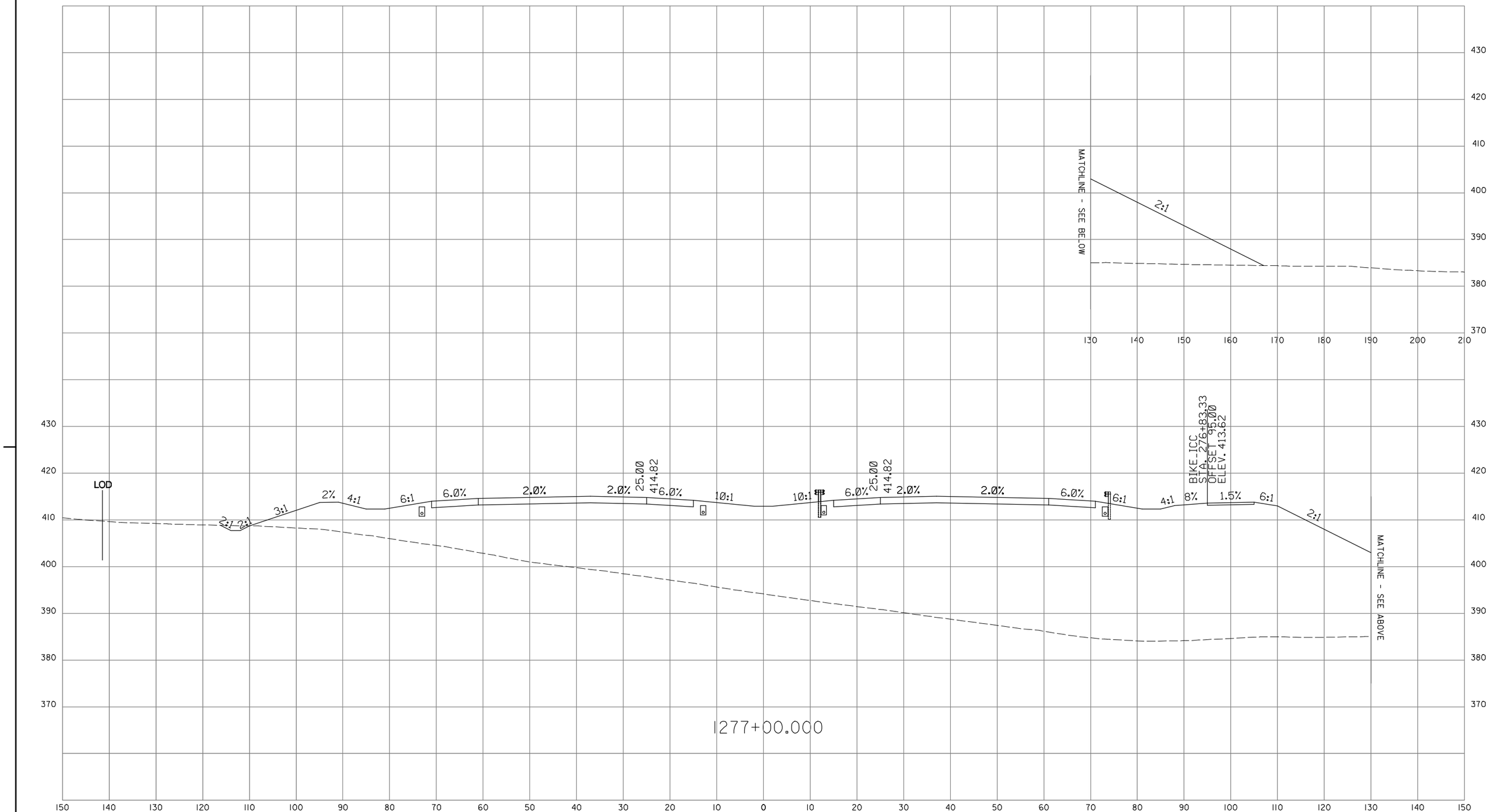
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

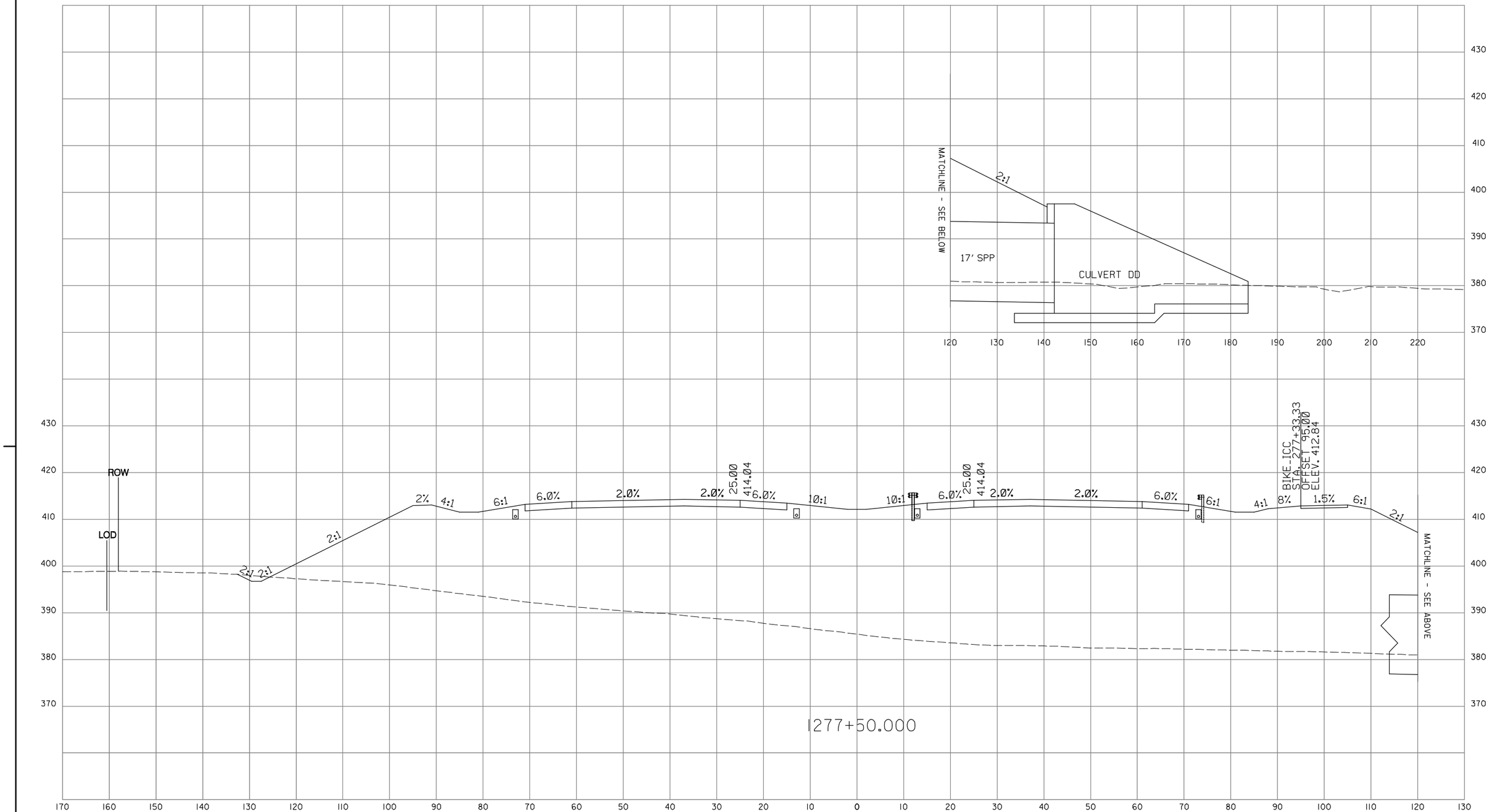
PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

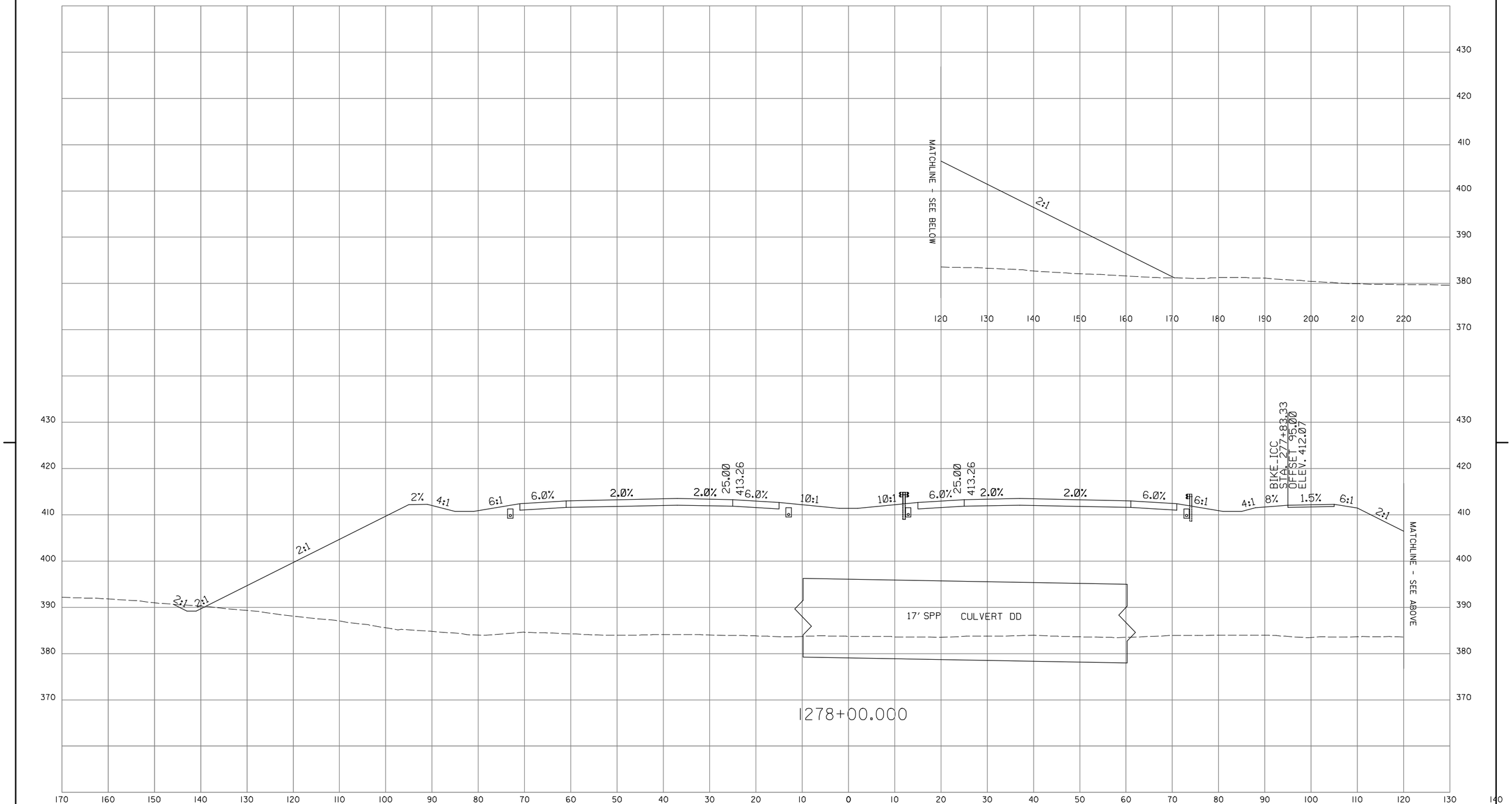
PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

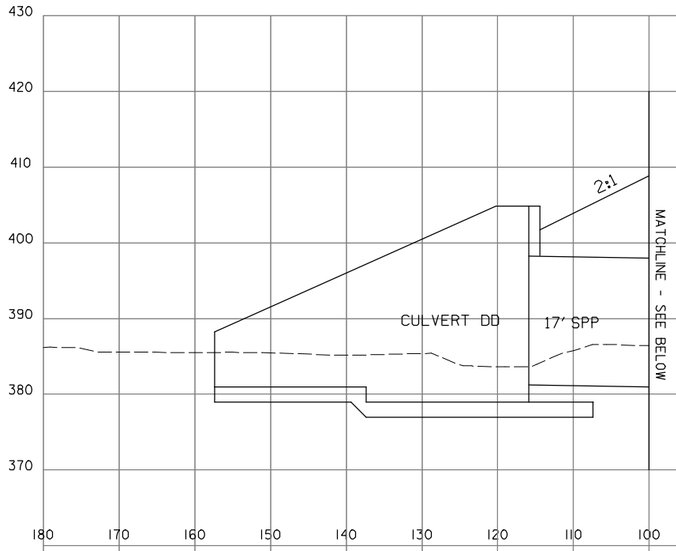
ROADWAY CROSS SECTION SHEET

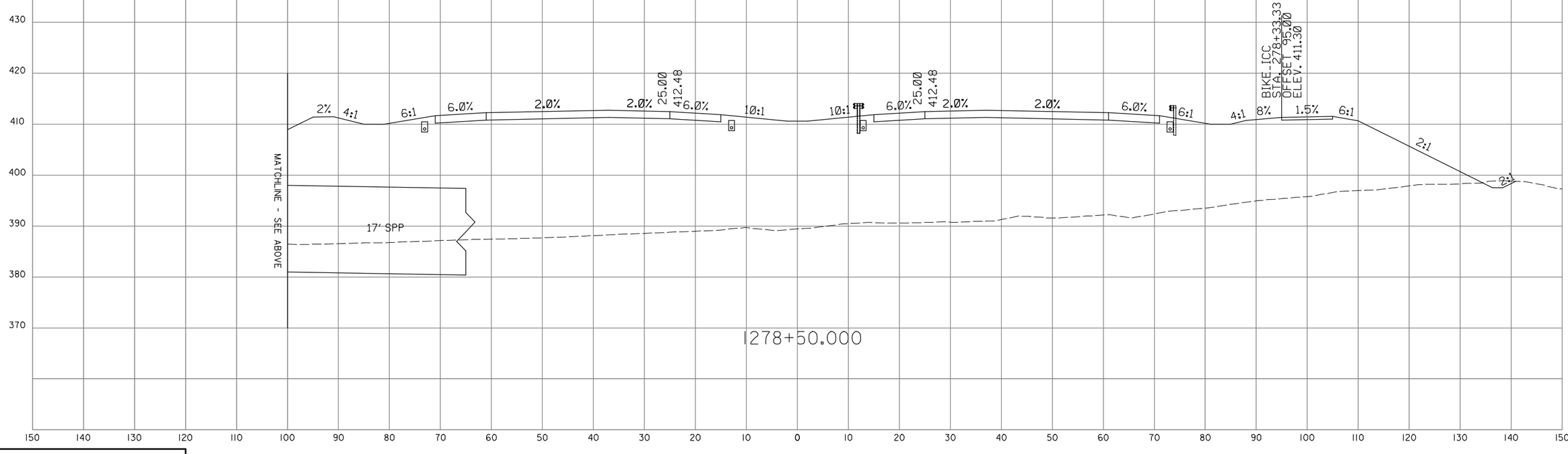
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454





INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-854-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

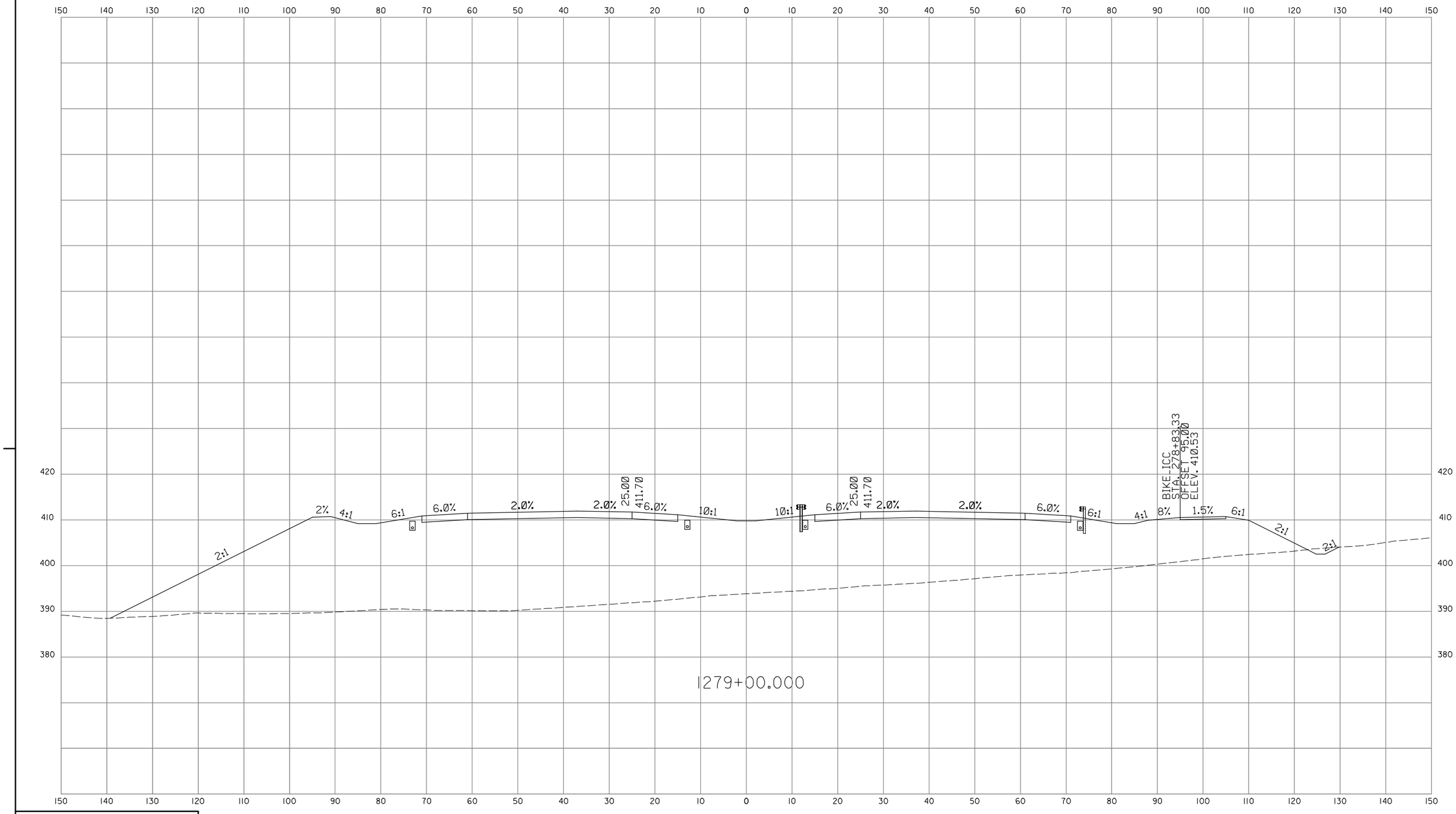
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

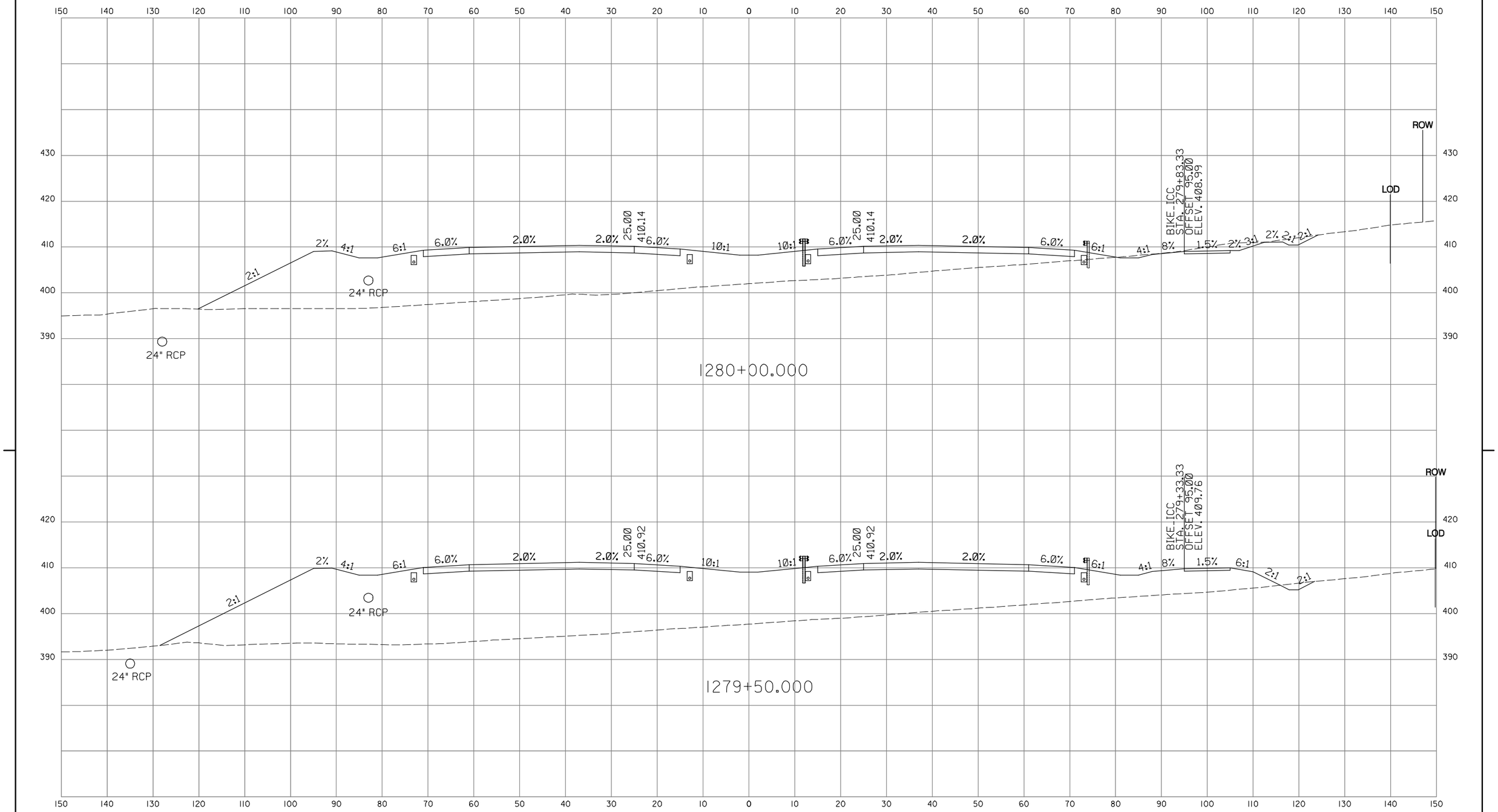
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

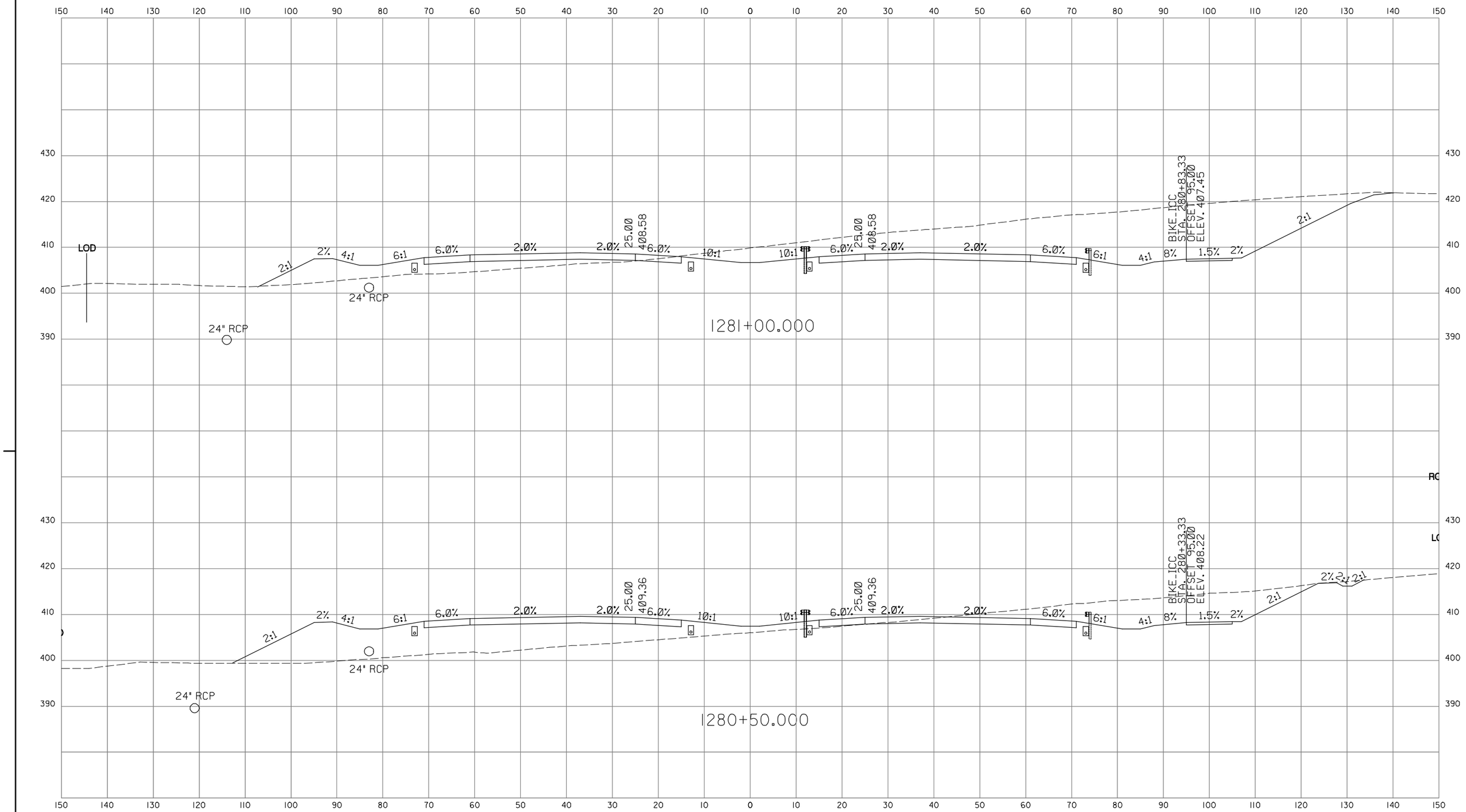
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS04232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

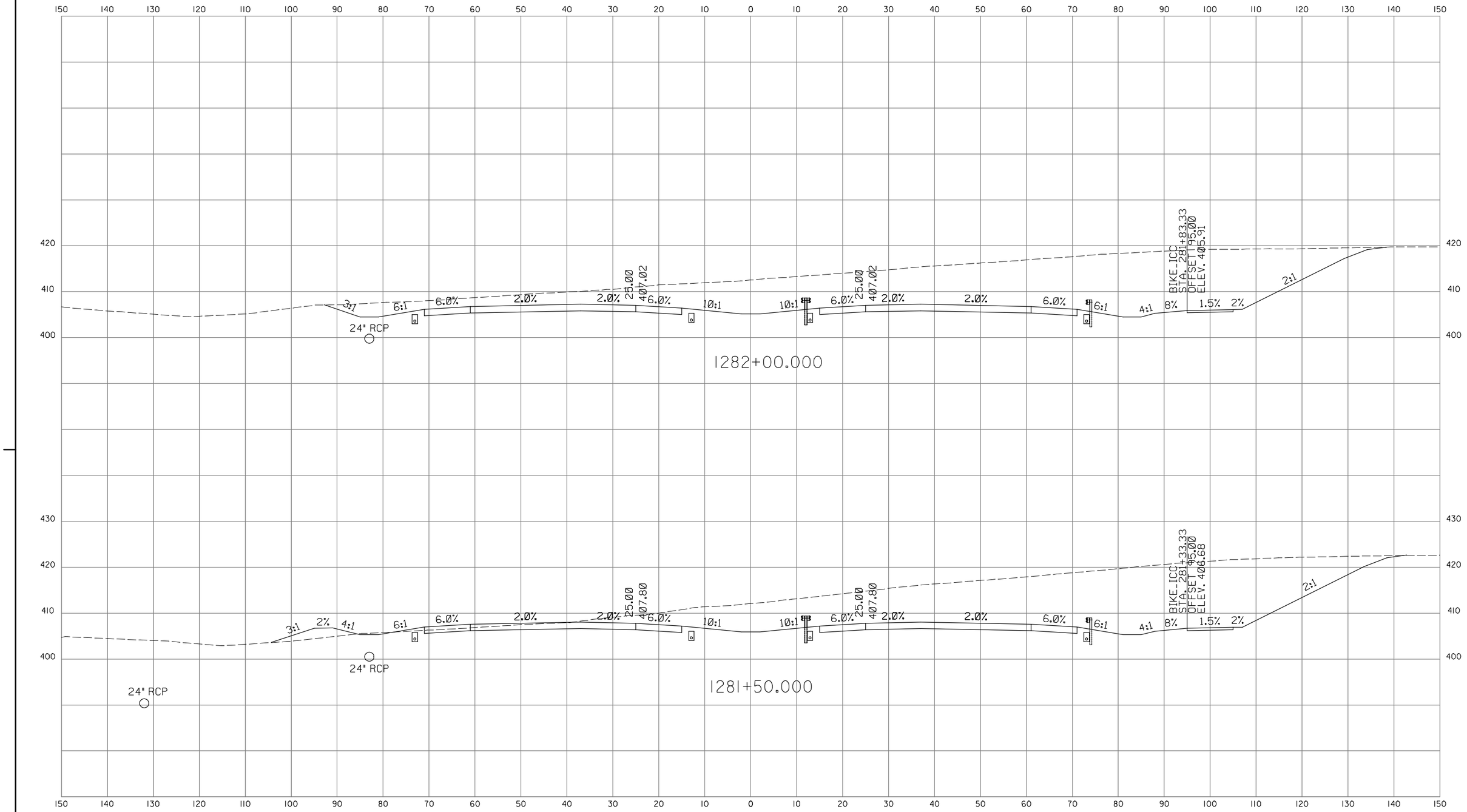
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

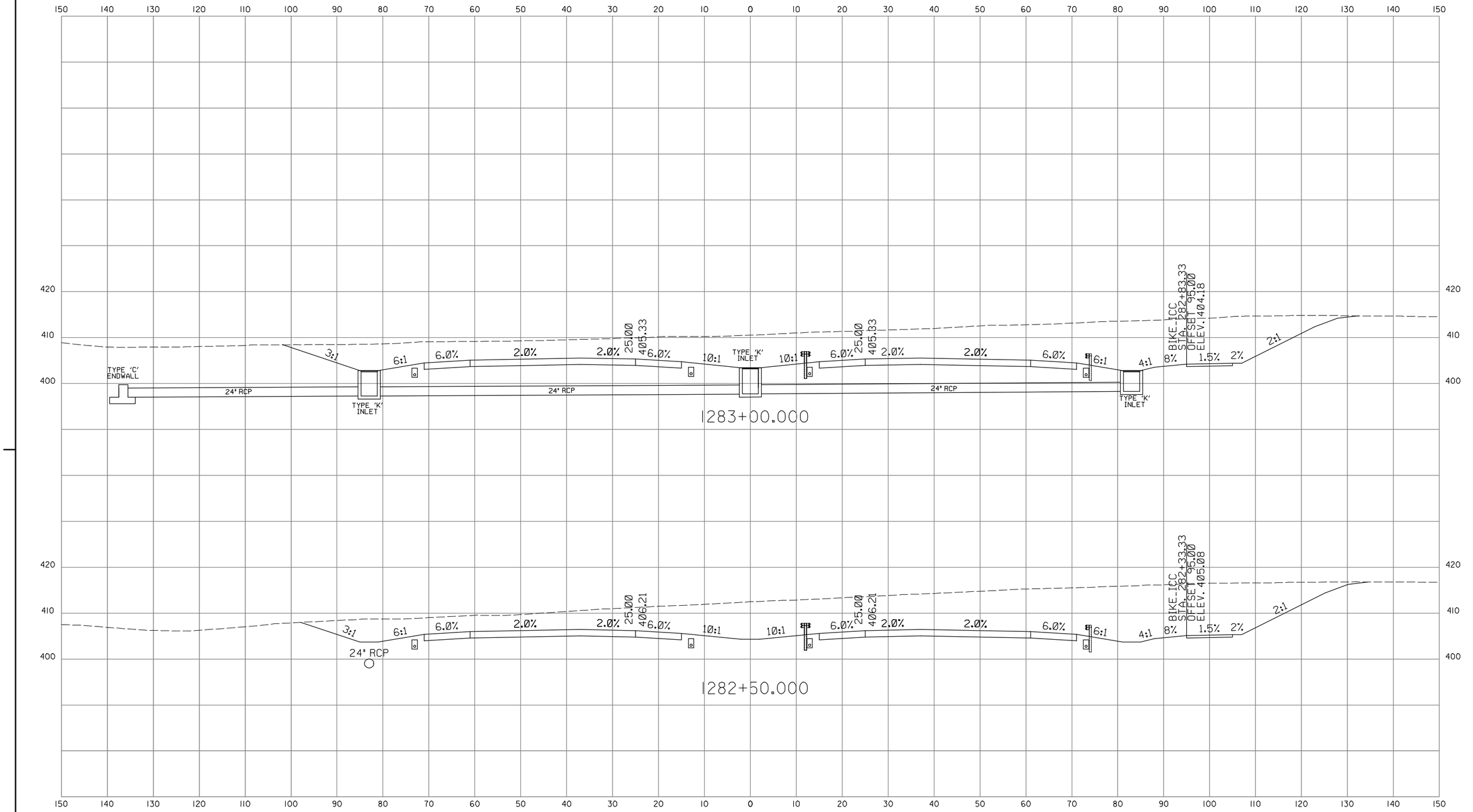
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

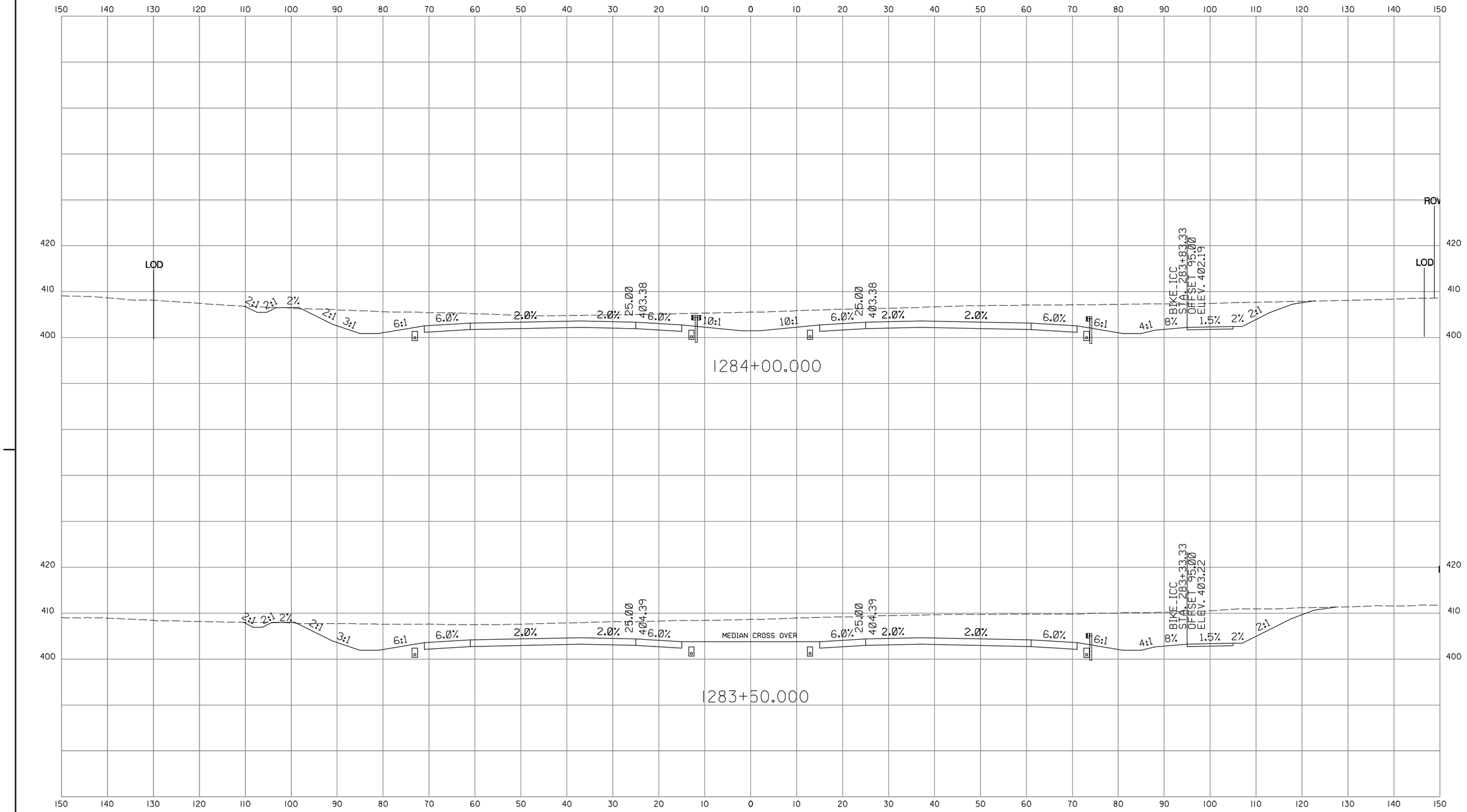
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

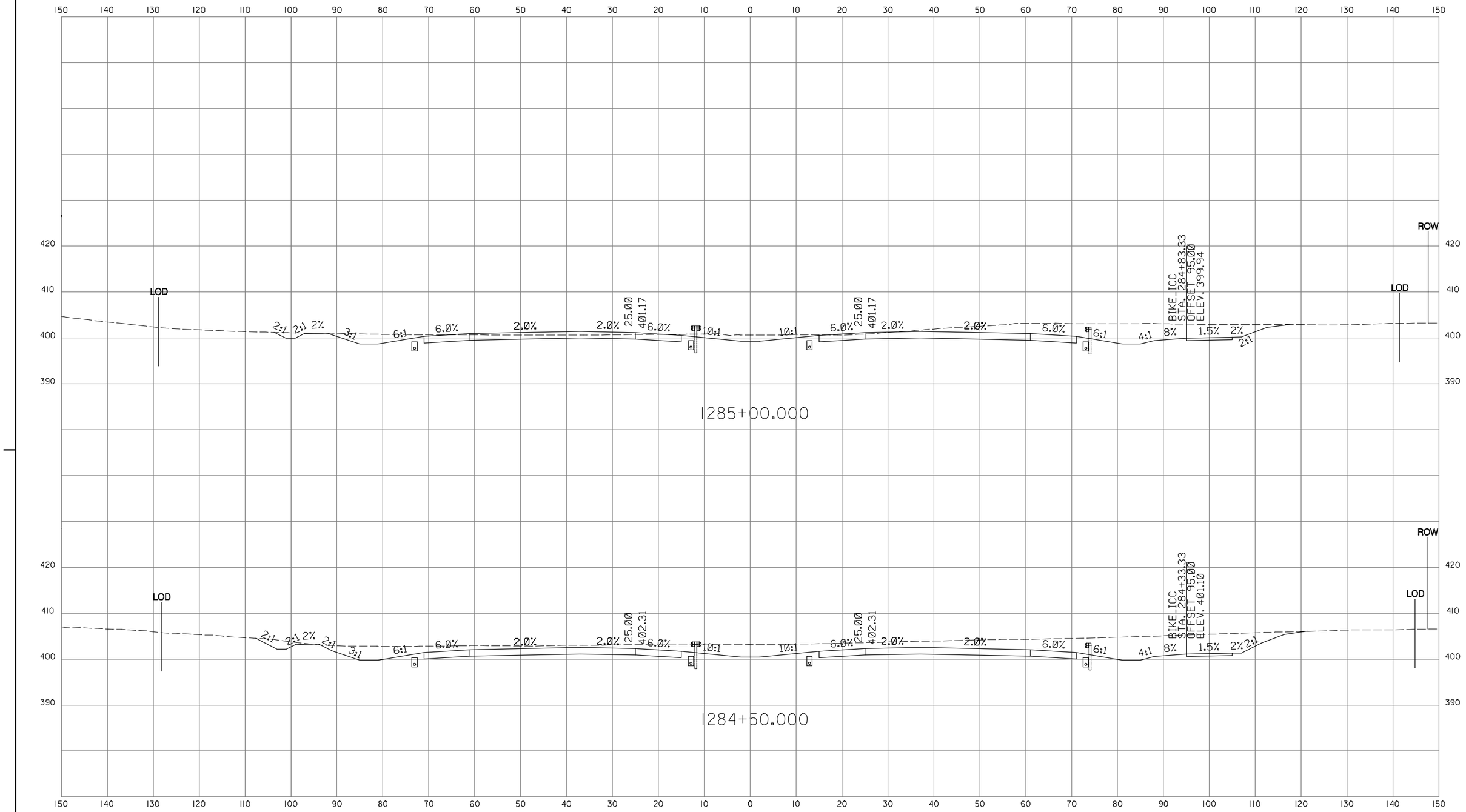
PROJECT _____ CONTRACT NO. _____
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

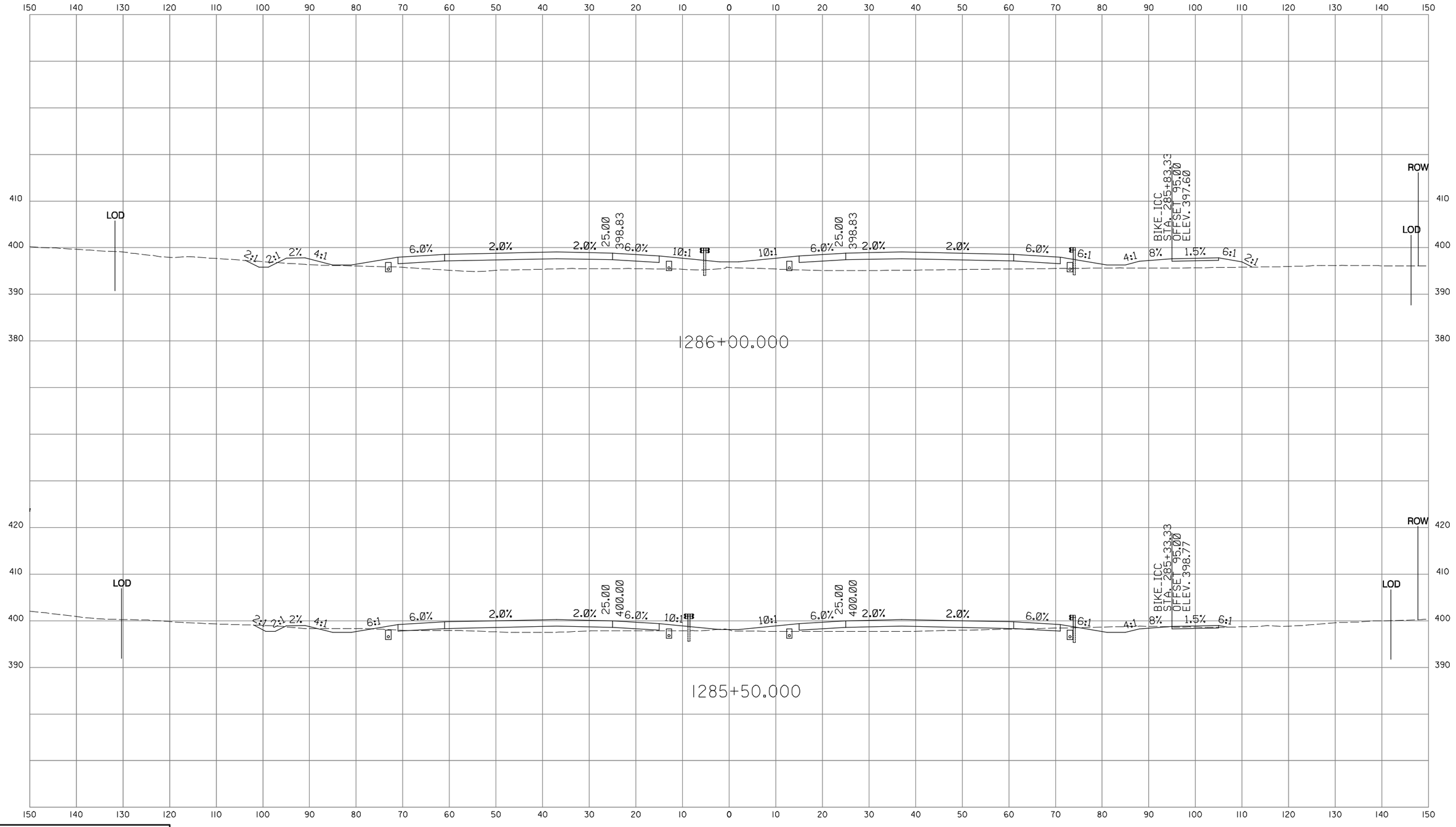
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

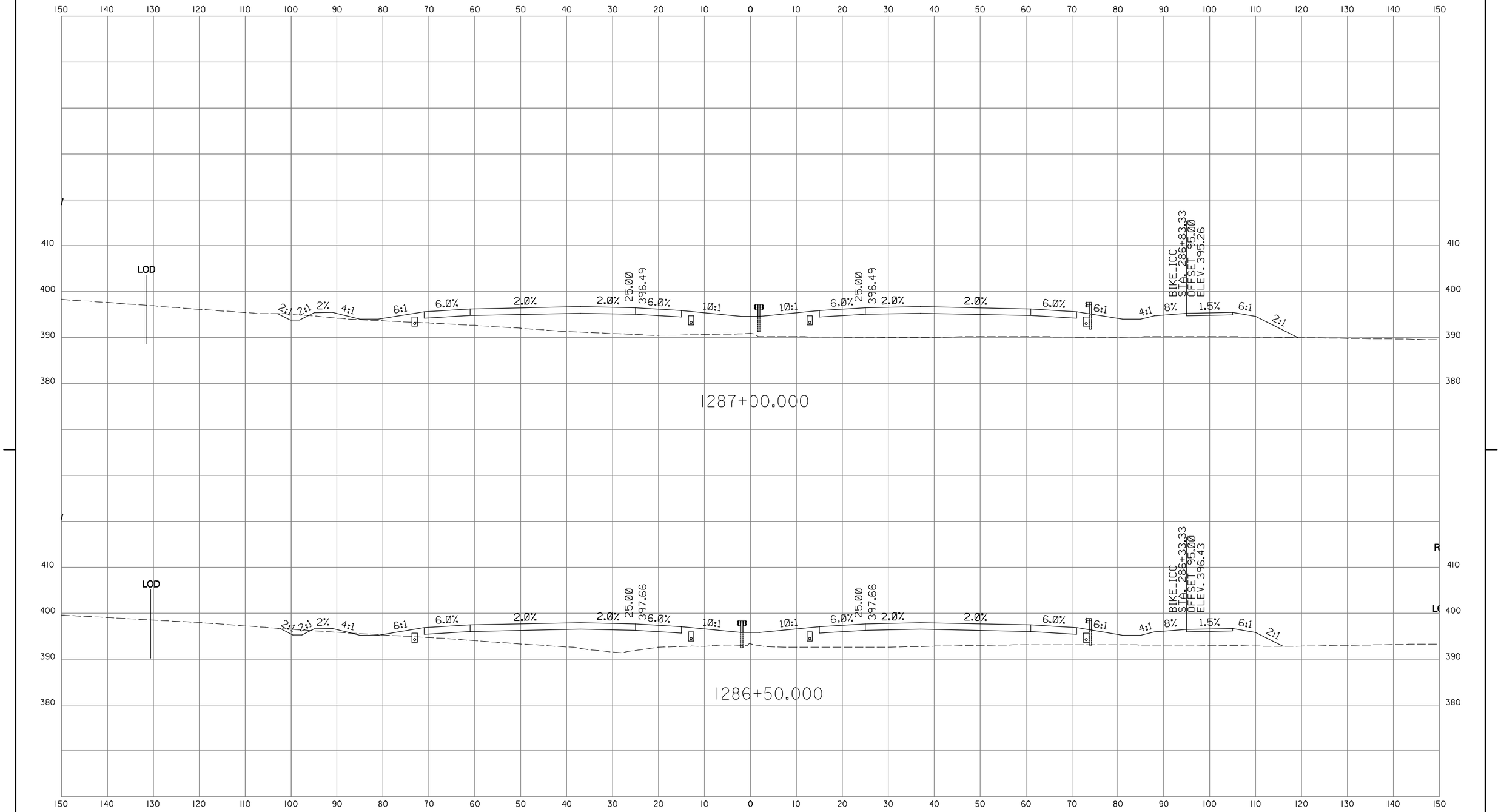
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

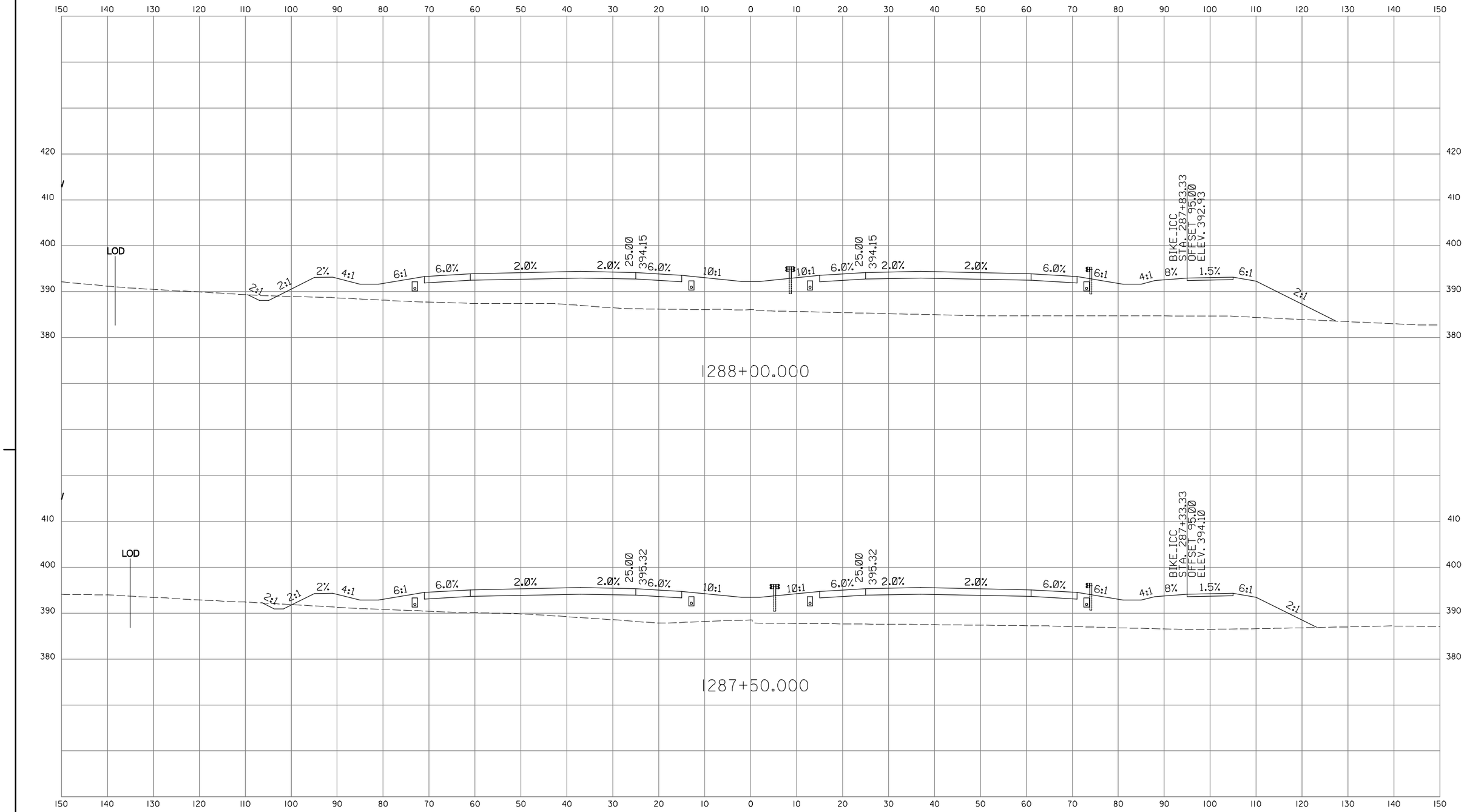
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

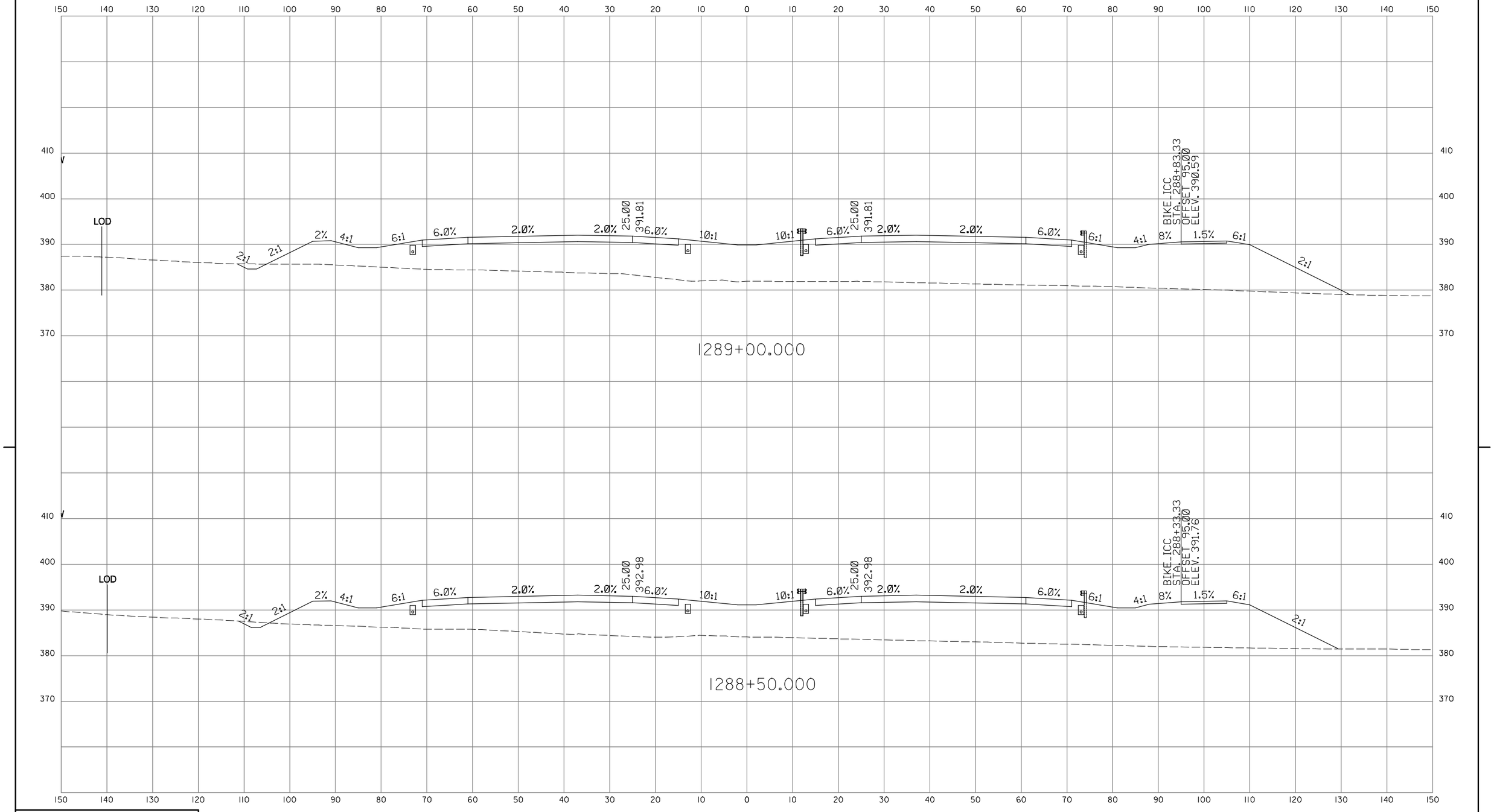
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

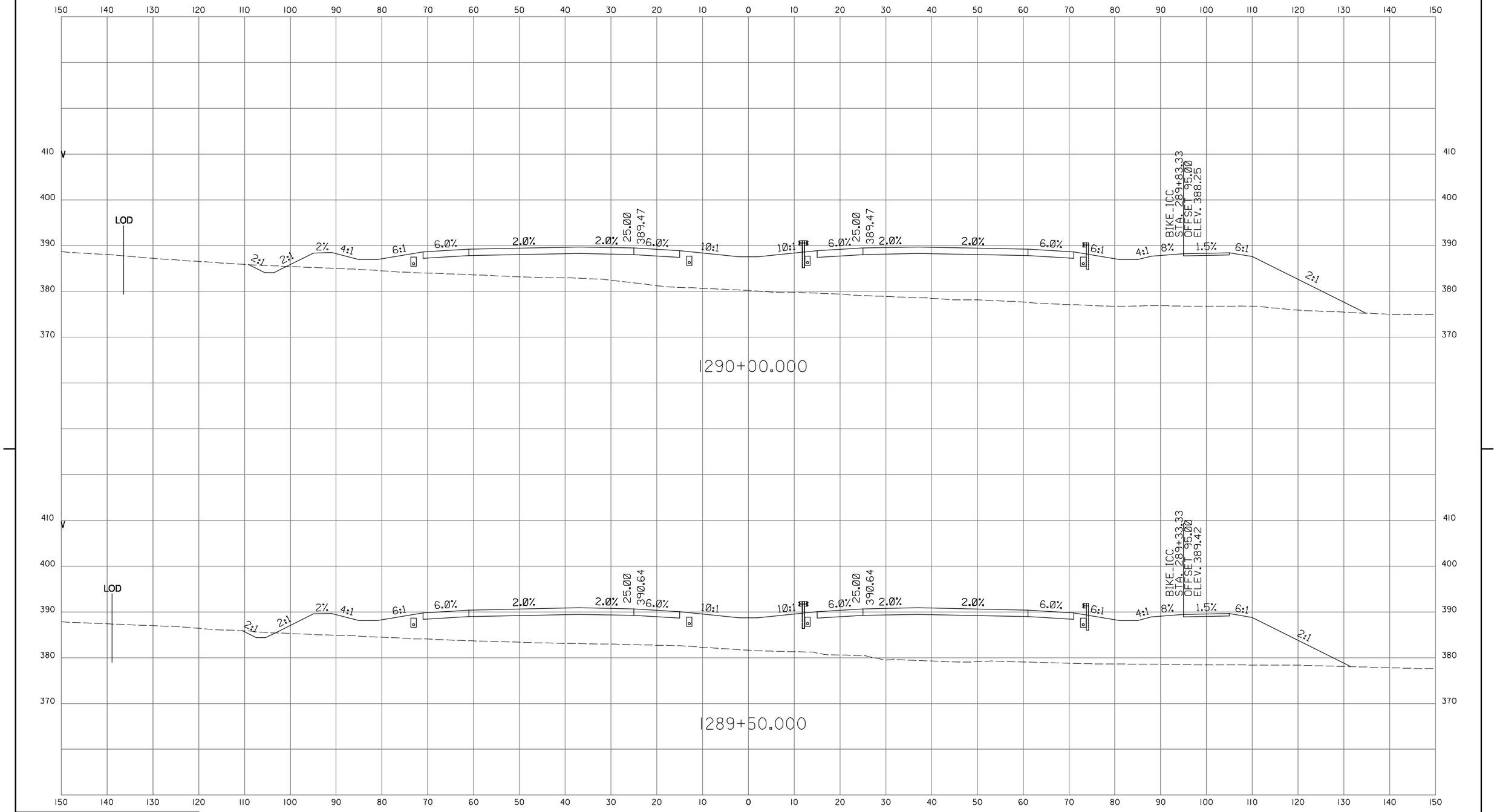
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:35 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO. _____
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

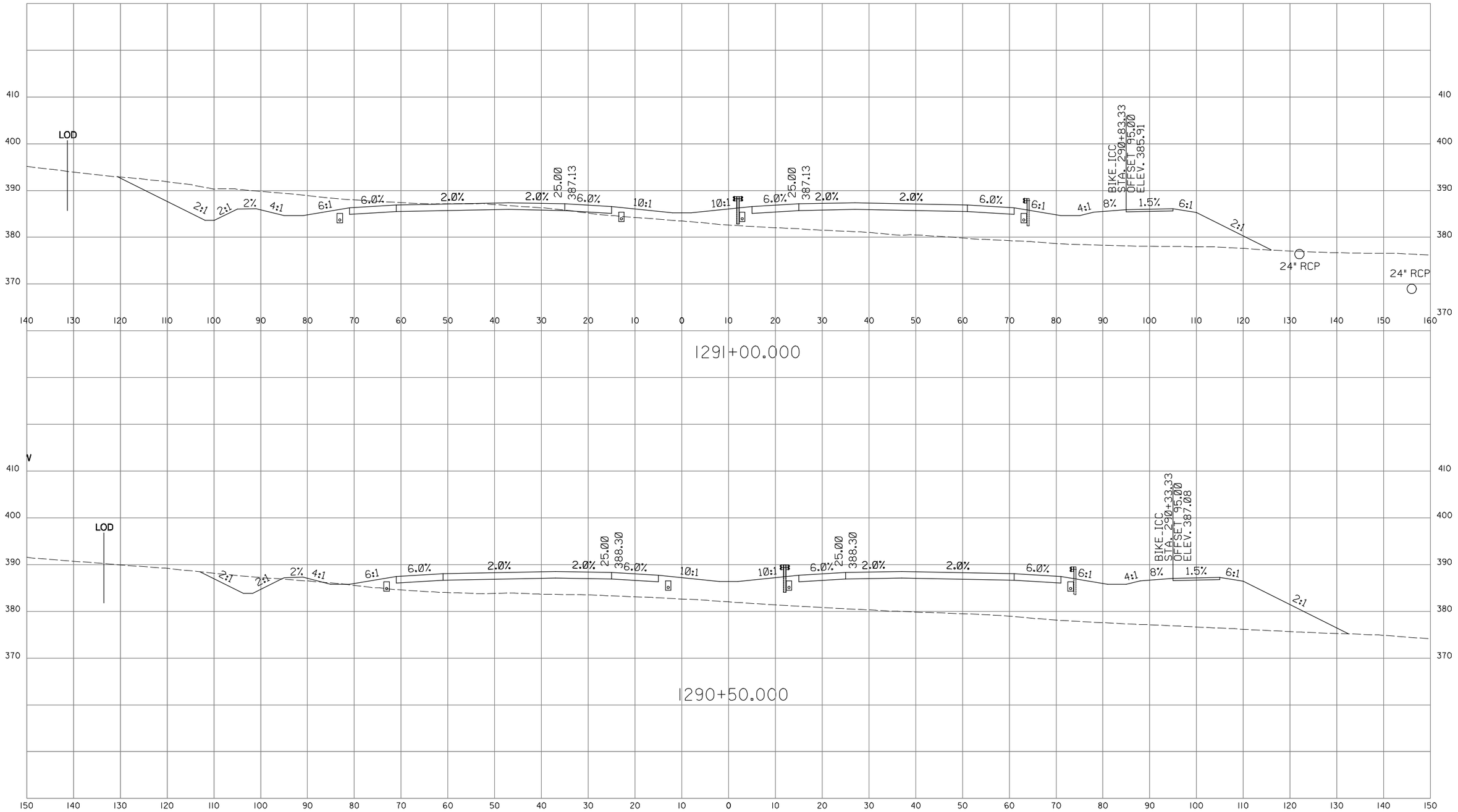
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

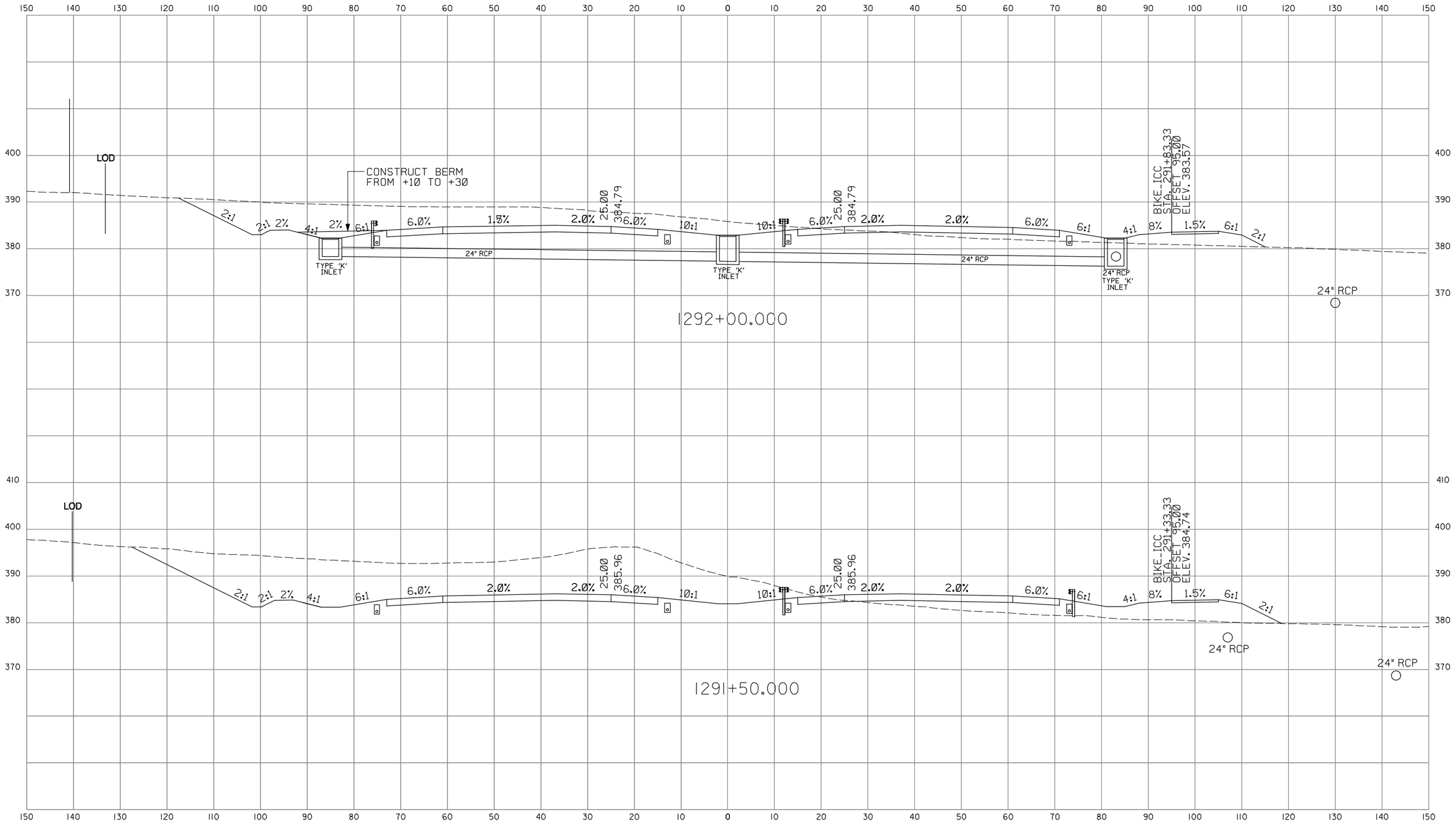
PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV: DATE: June 1, 2004



BY: P0009454

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

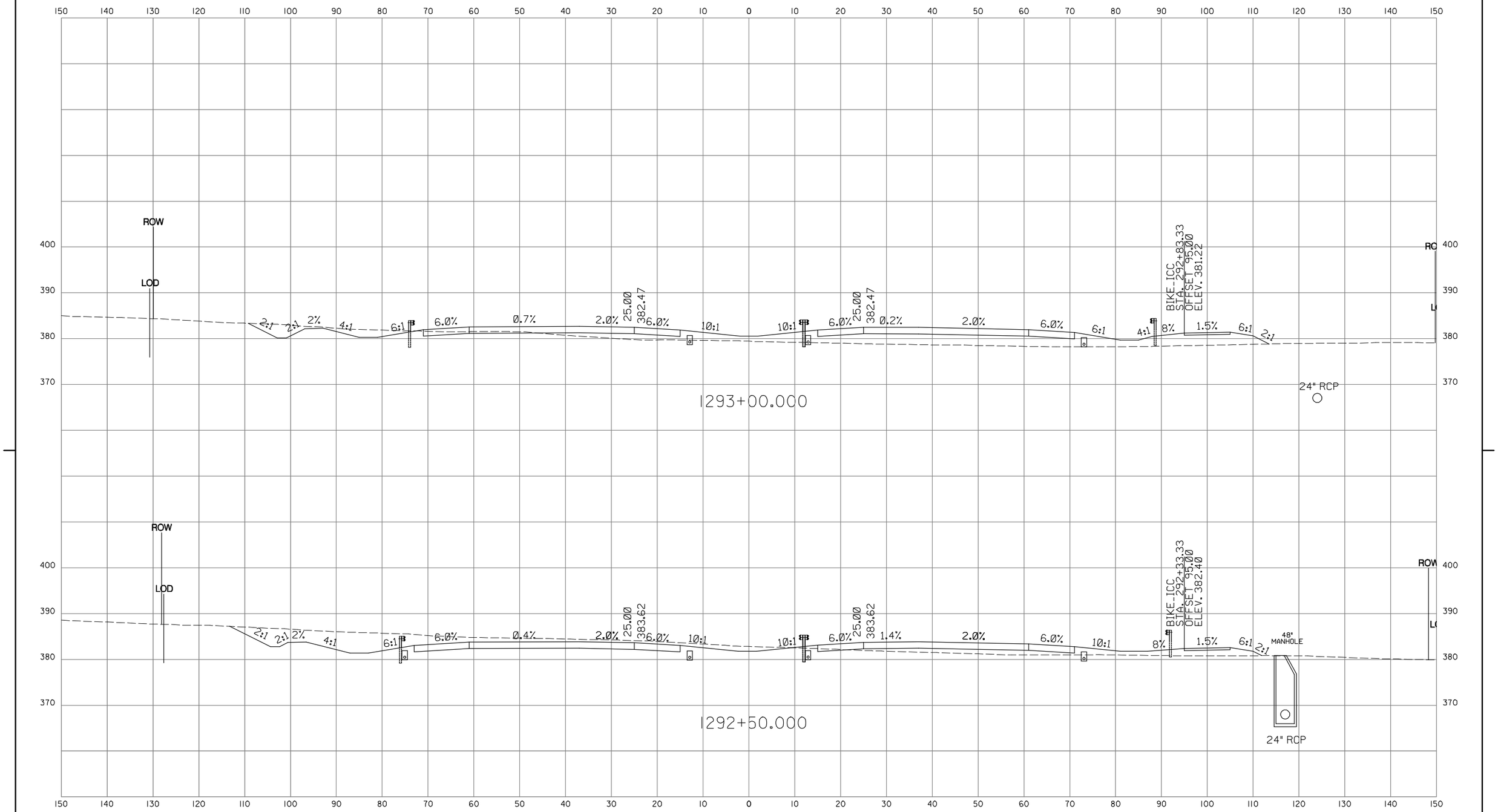
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE _____

DRAWING NO. XS- OF

SHEET NO. OF

PLOTTED: WEDNESDAY, JANUARY 30, 2008 AT 10:23 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-0000_ICC-A_SEGMENTD2.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

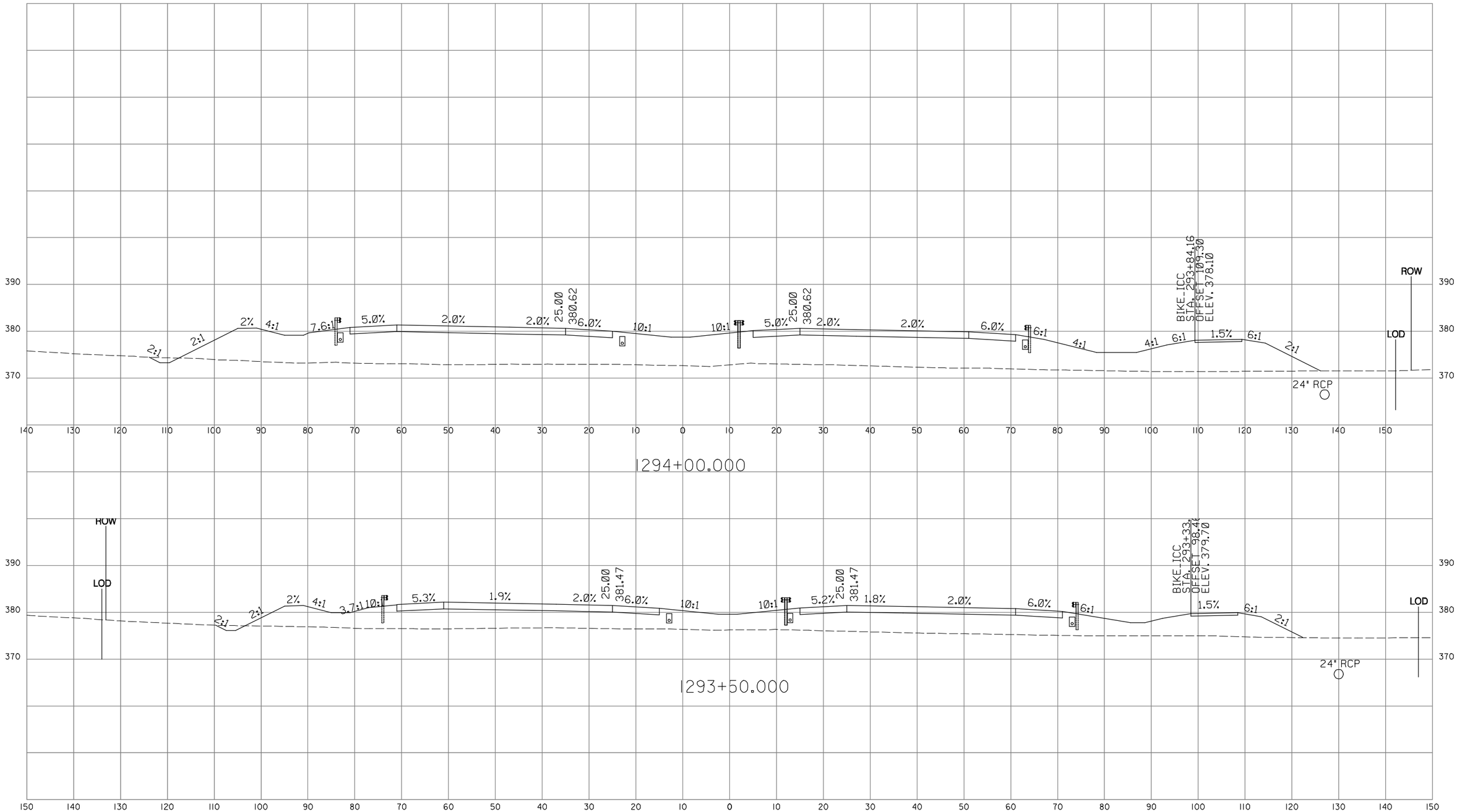
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

BY: P0009454

ROADWAY CROSS SECTION SHEET

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

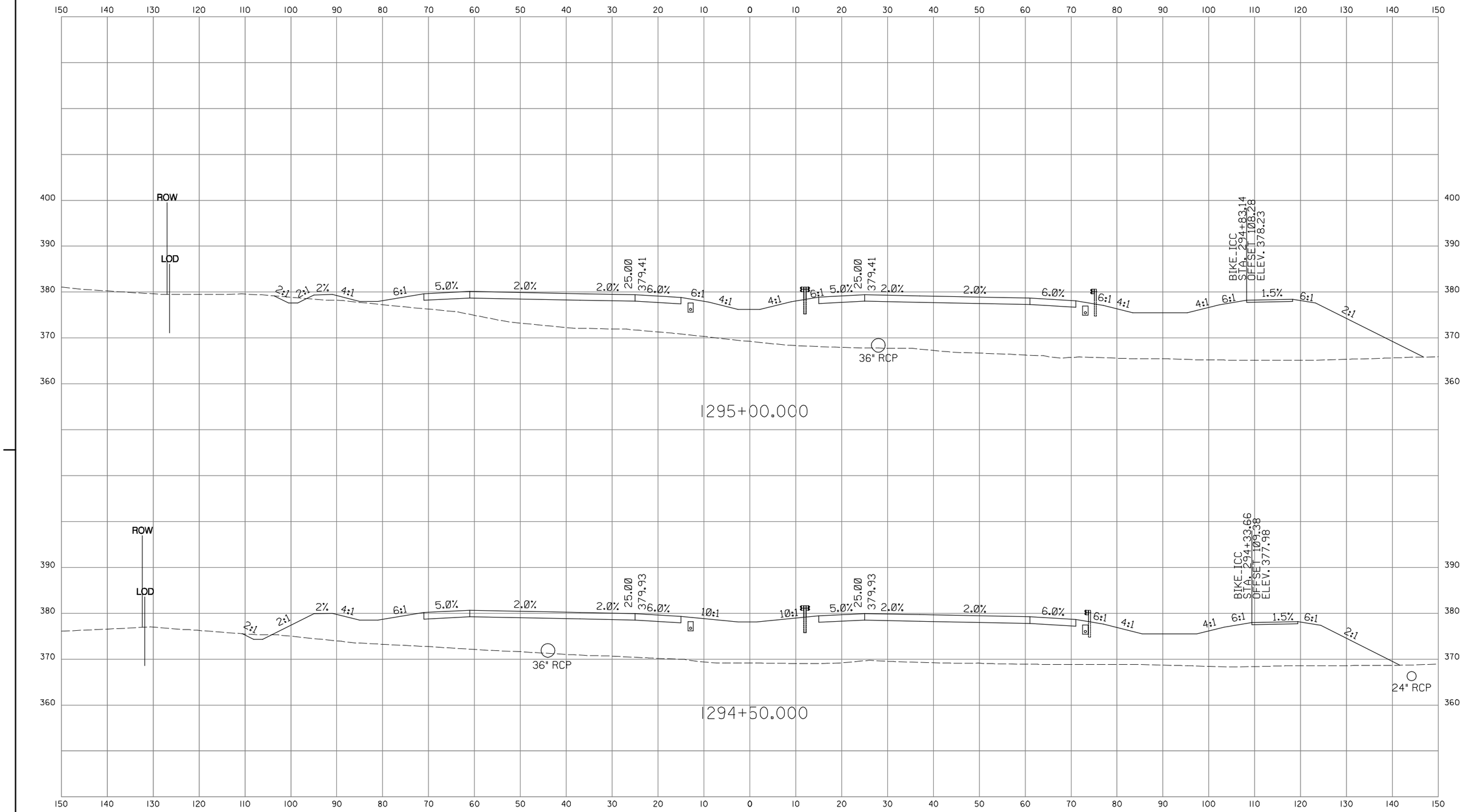
SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

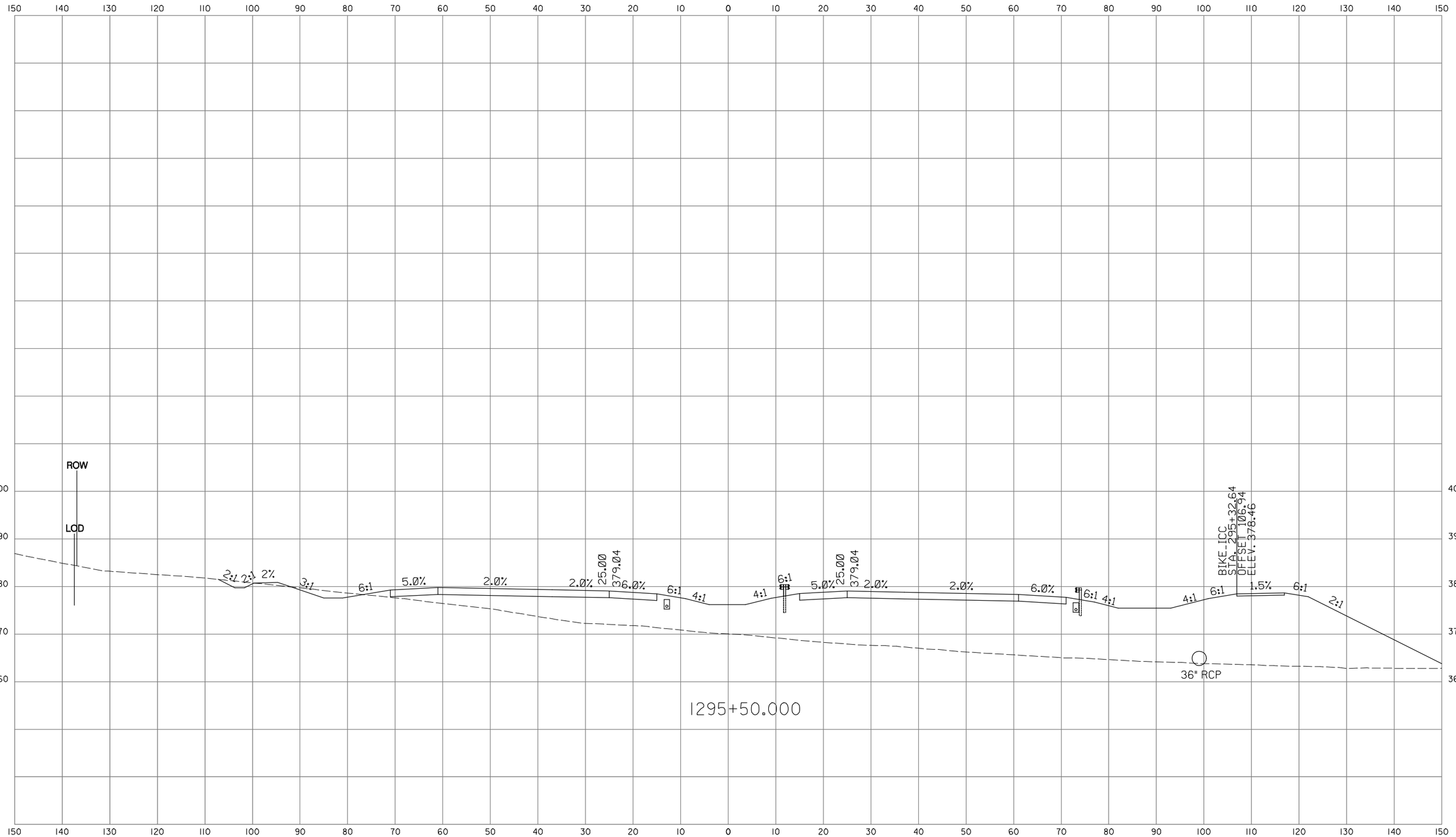
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

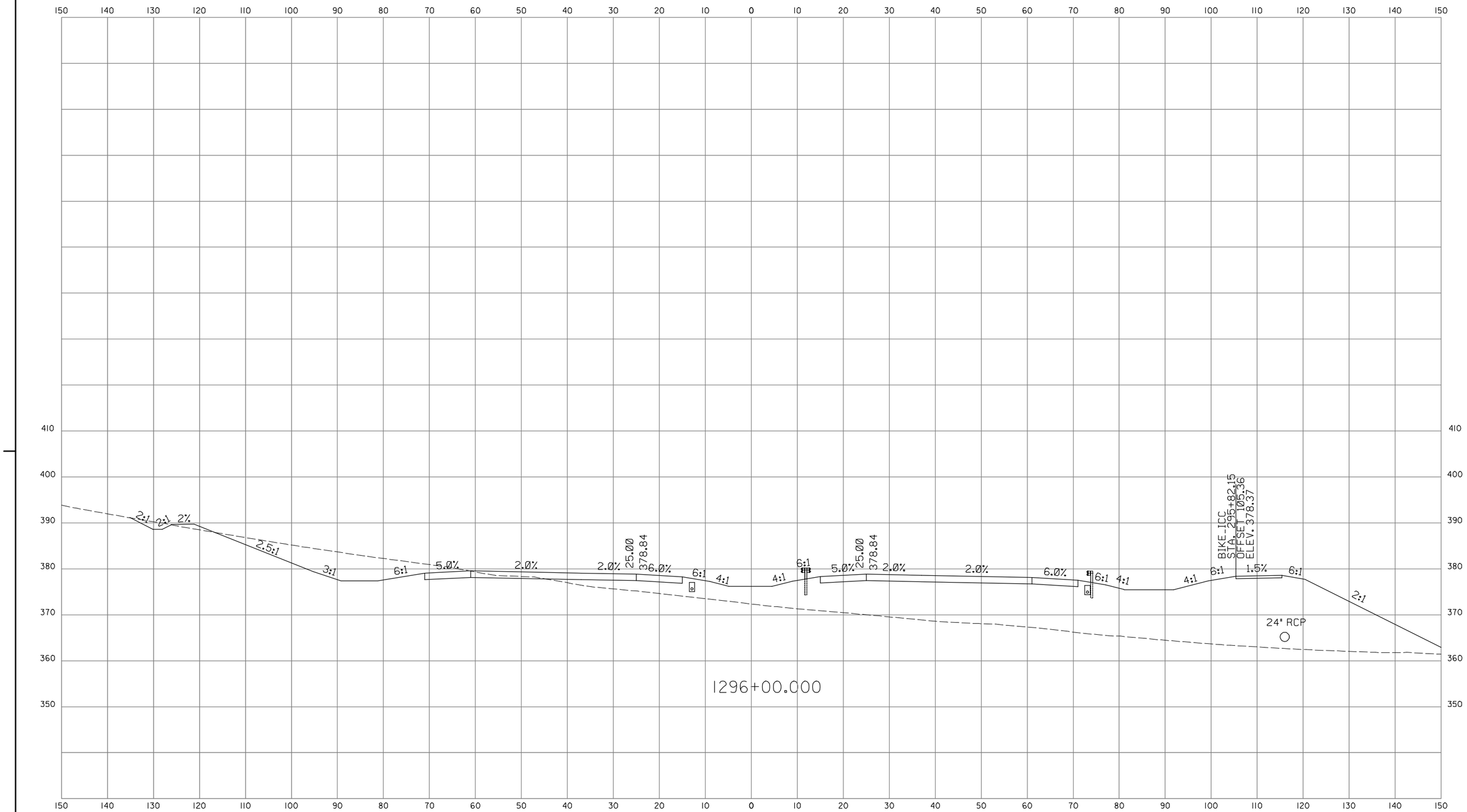
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

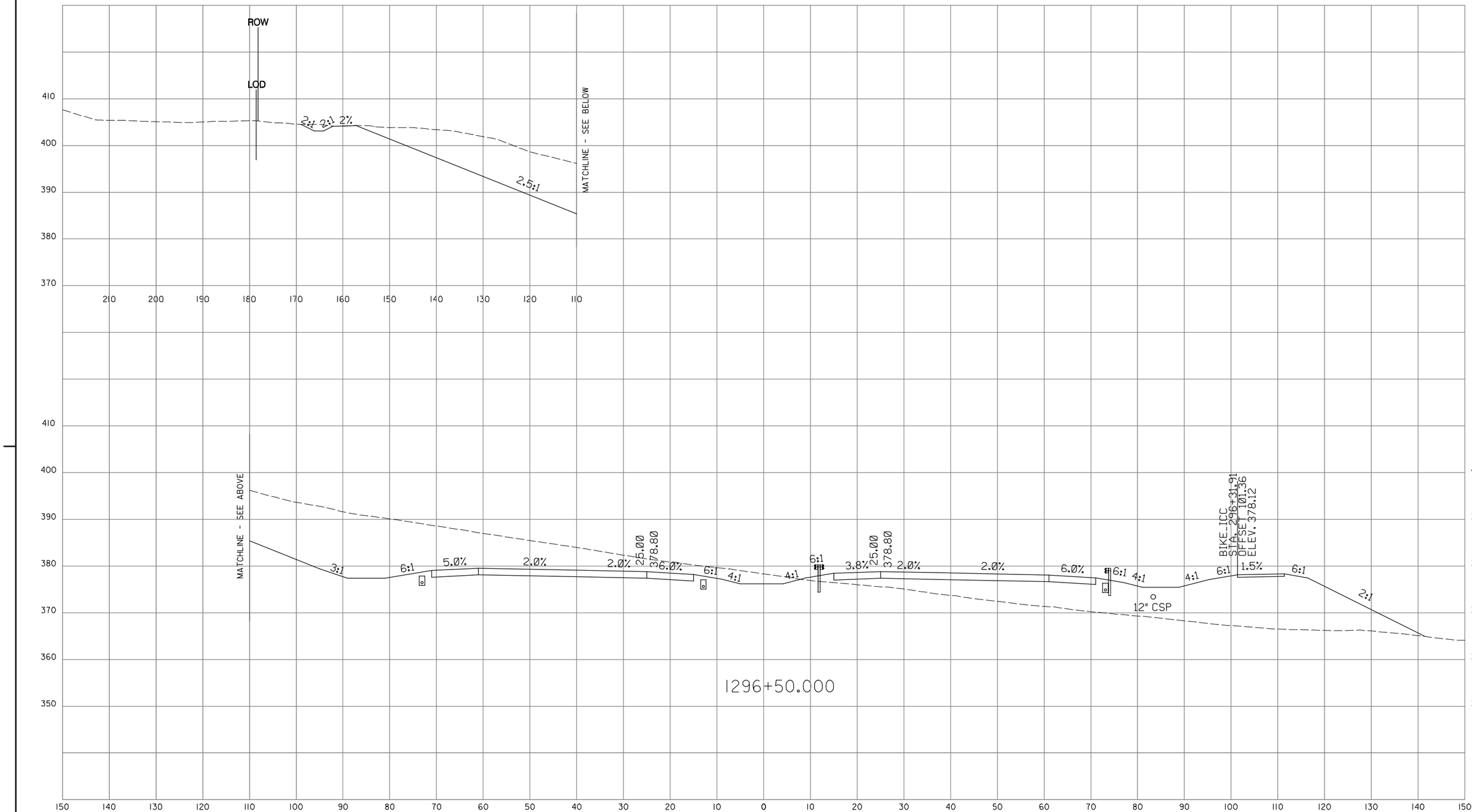
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

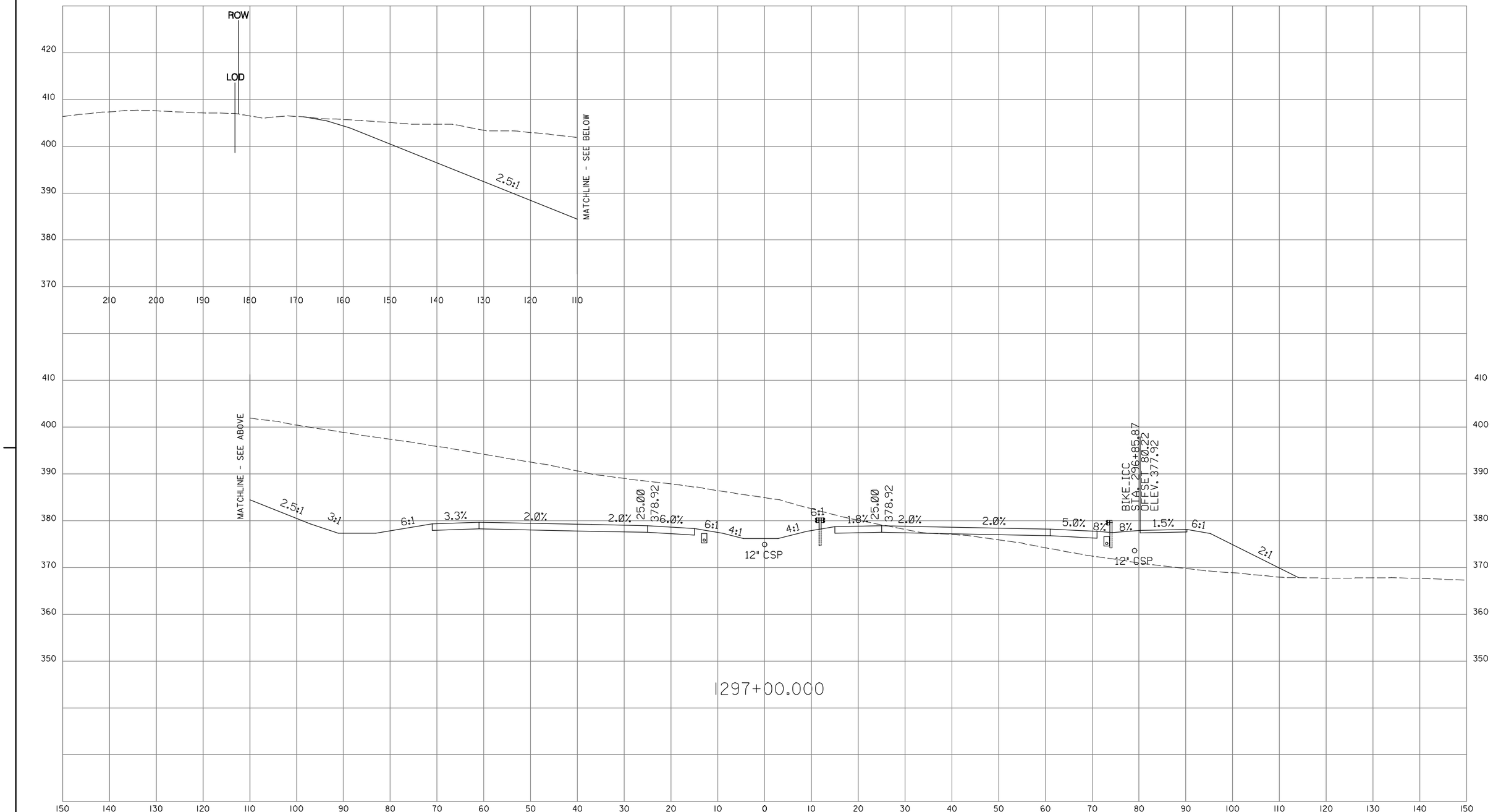
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

BY: P0009454

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

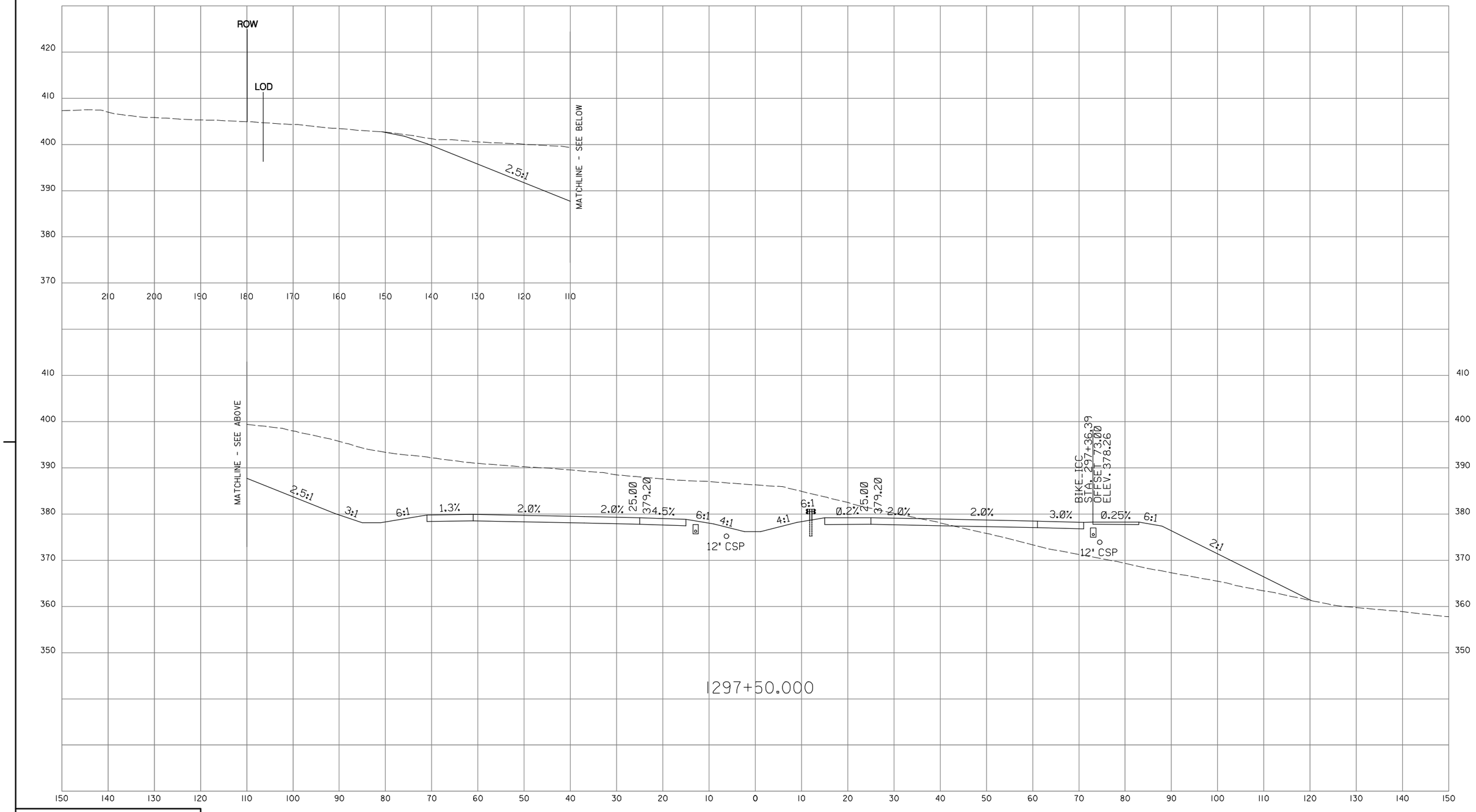
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF | SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG



CROSS SECTION

PROJECT _____ CONTRACT NO.

SCALE HORIZ. 1" = 10' DESCRIPTION _____

SCALE VERT: 1" = 10'

INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

BY: P0009454

ROADWAY CROSS SECTION SHEET

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

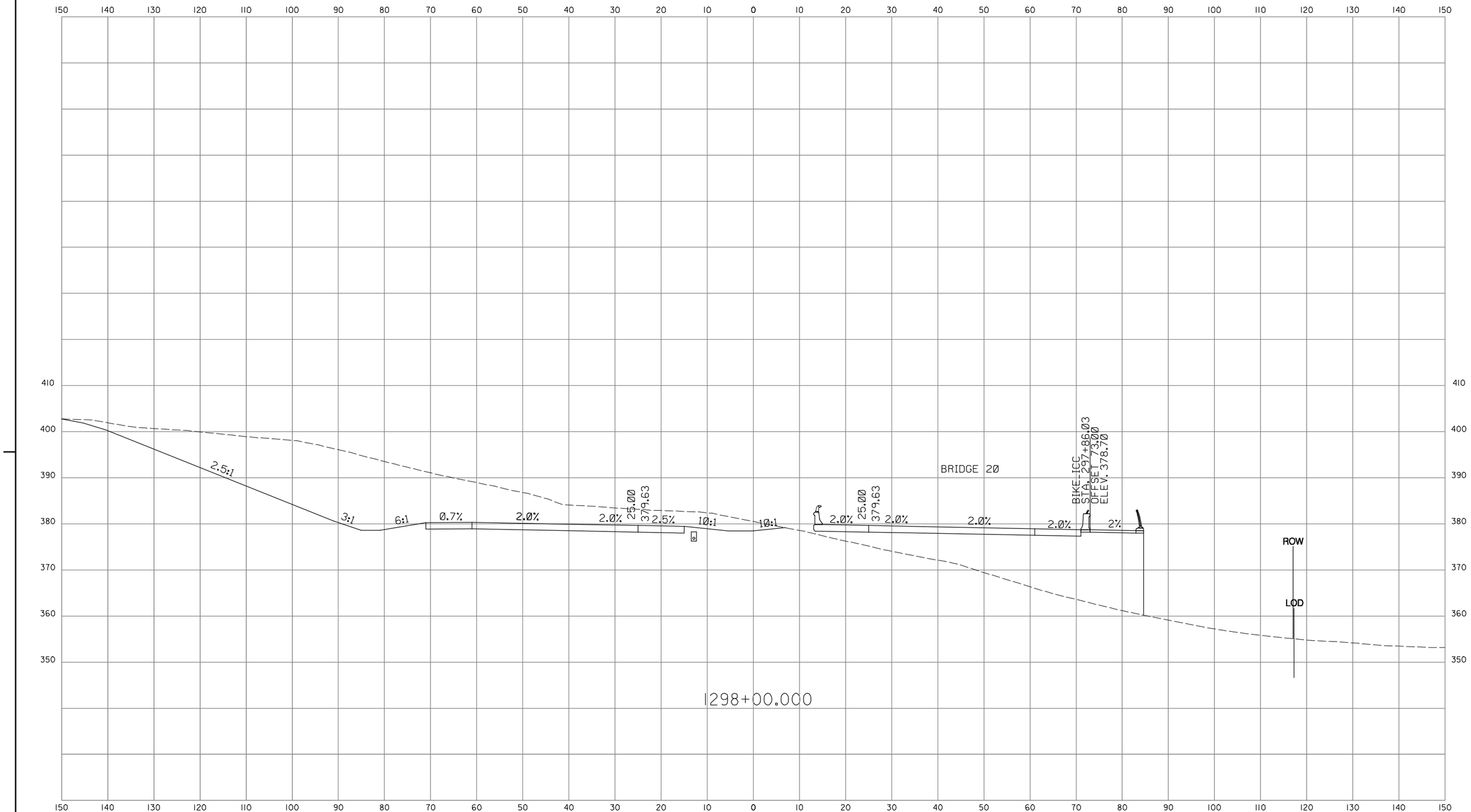
SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

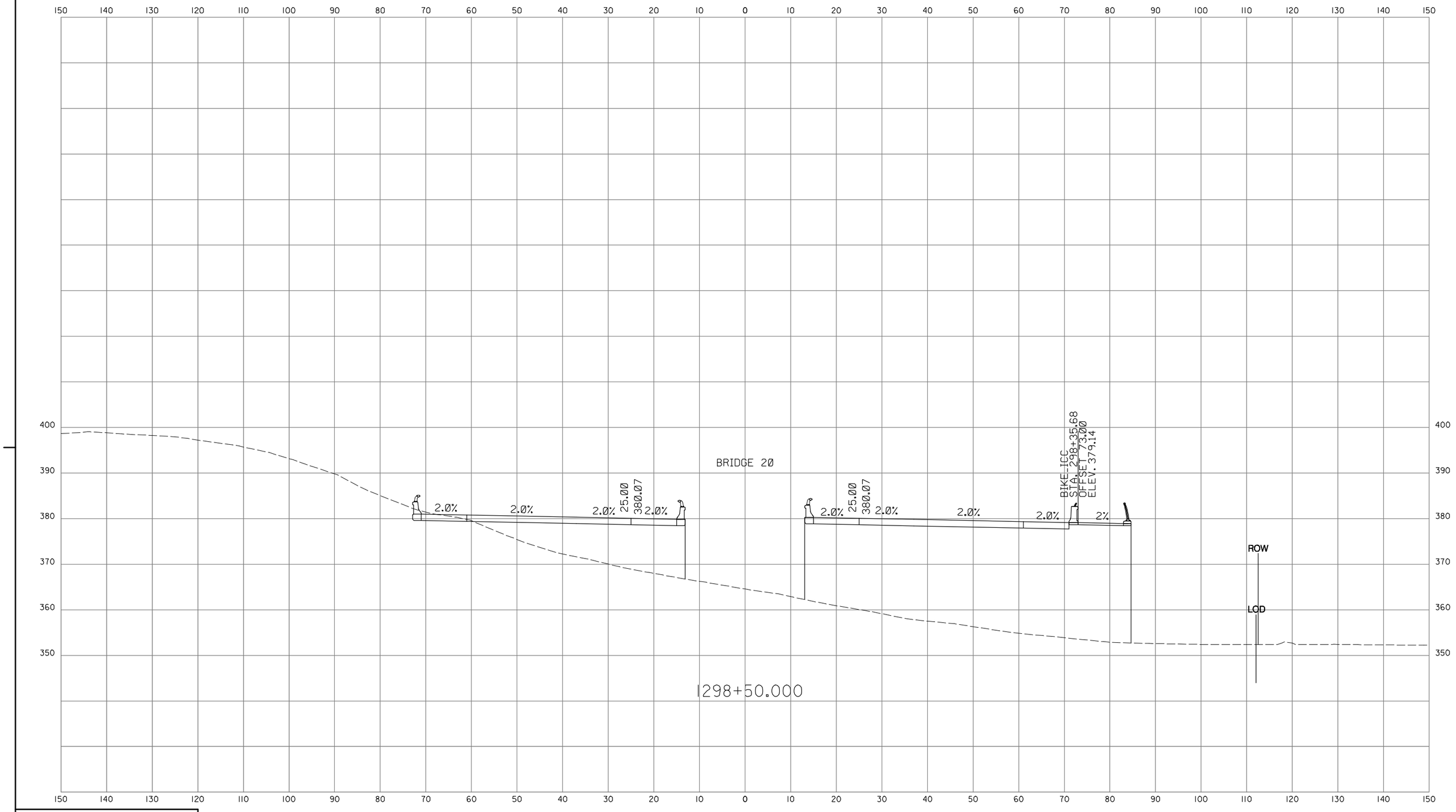
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

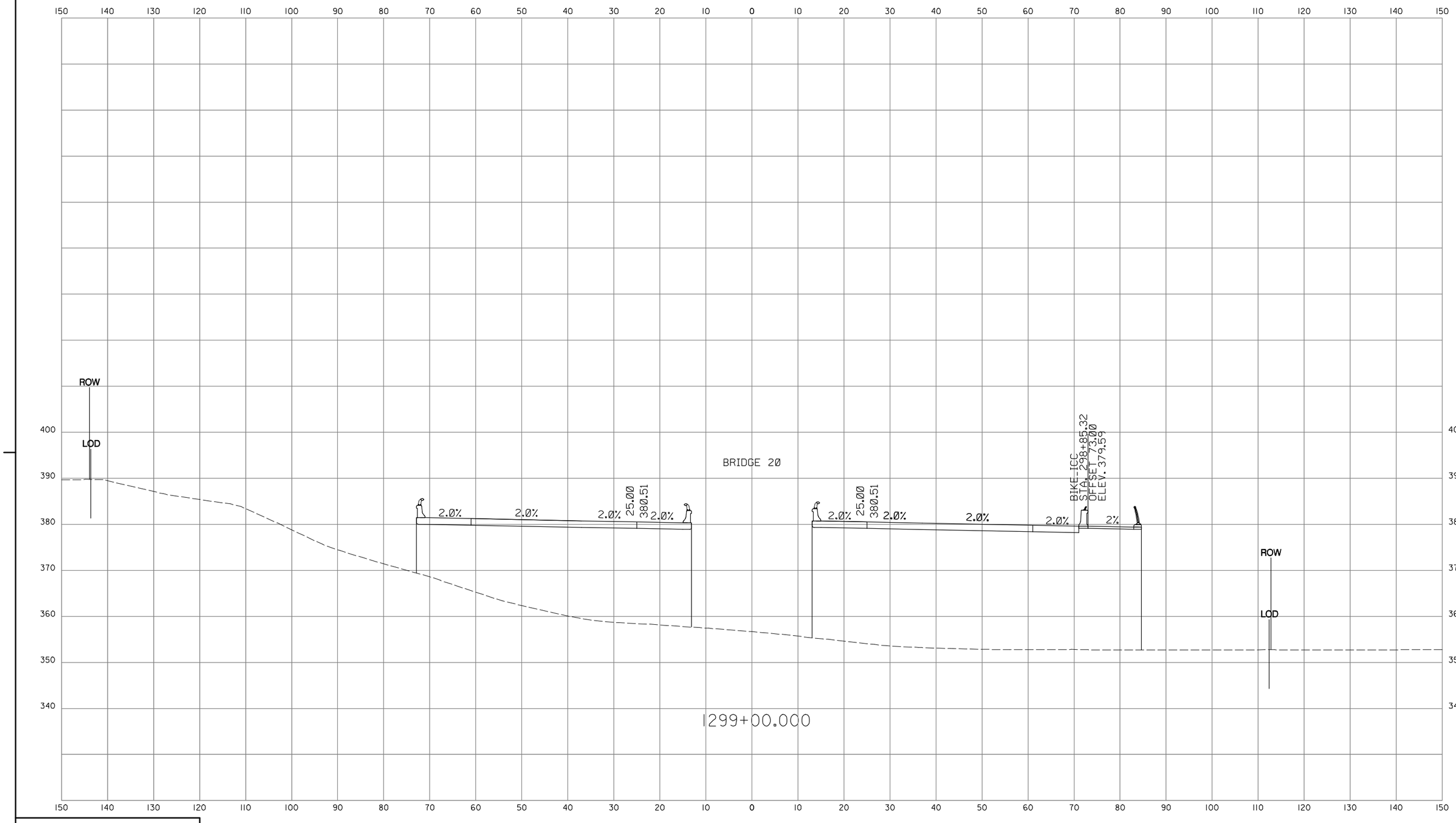
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-854-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

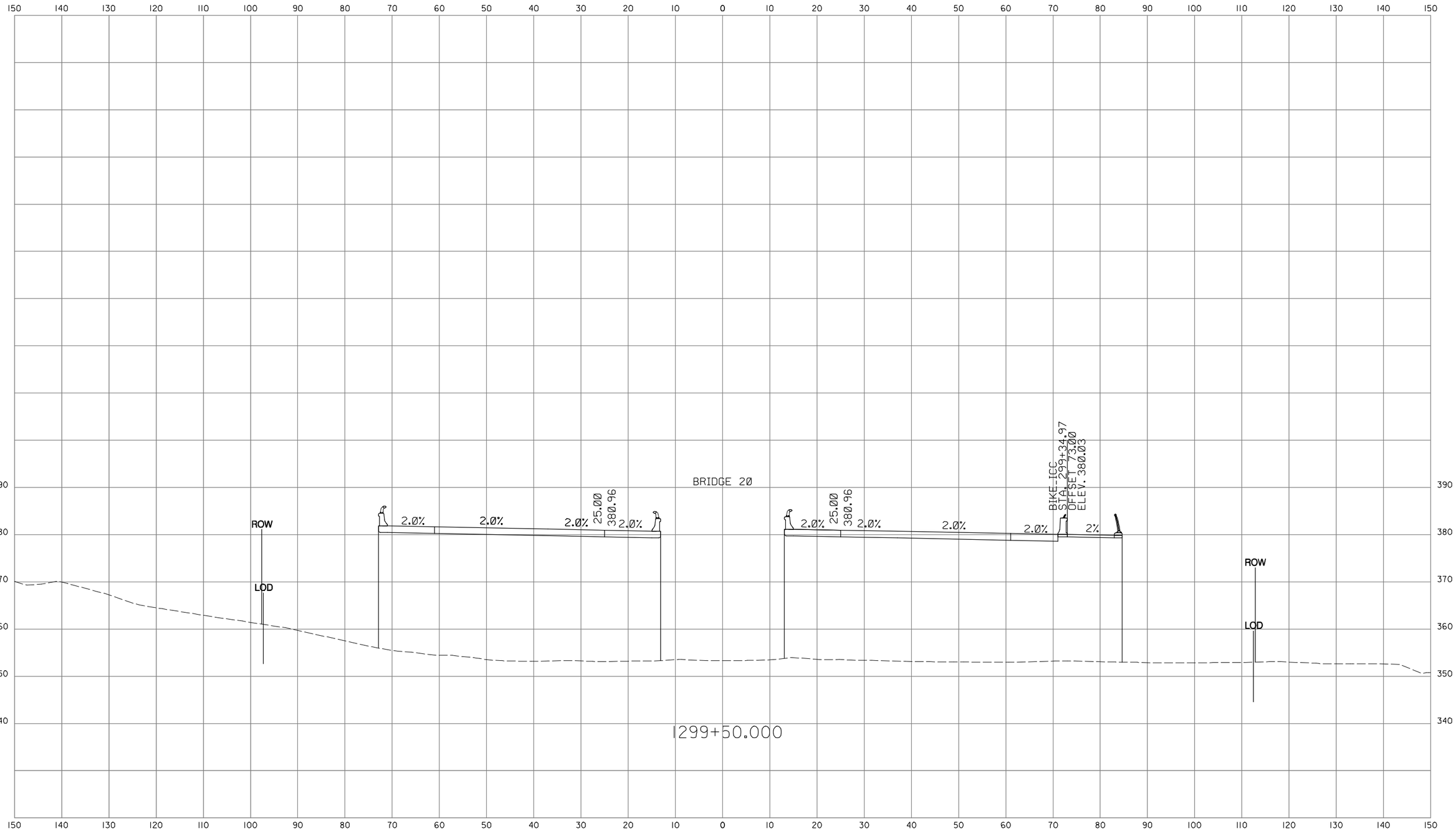
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS04232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

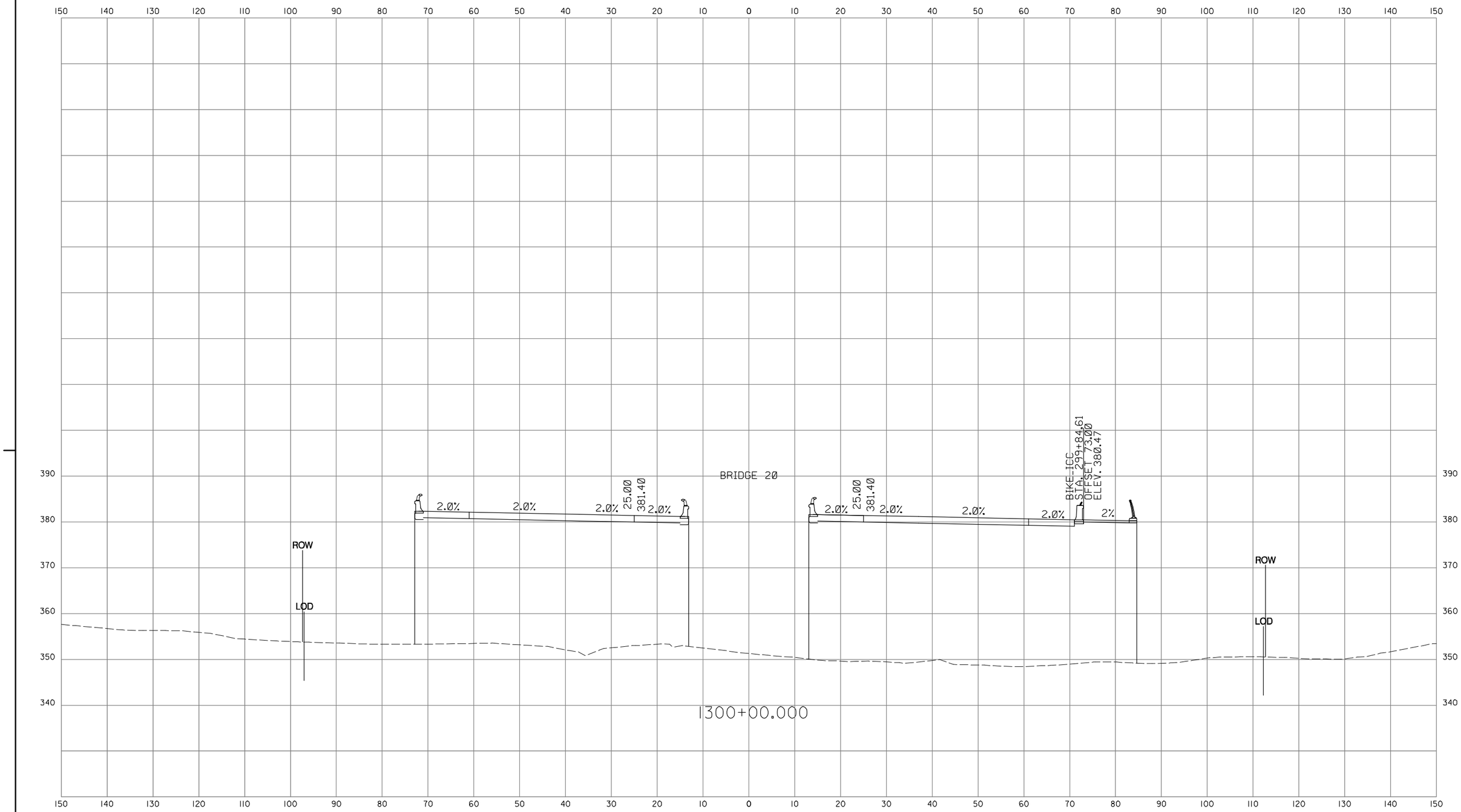
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

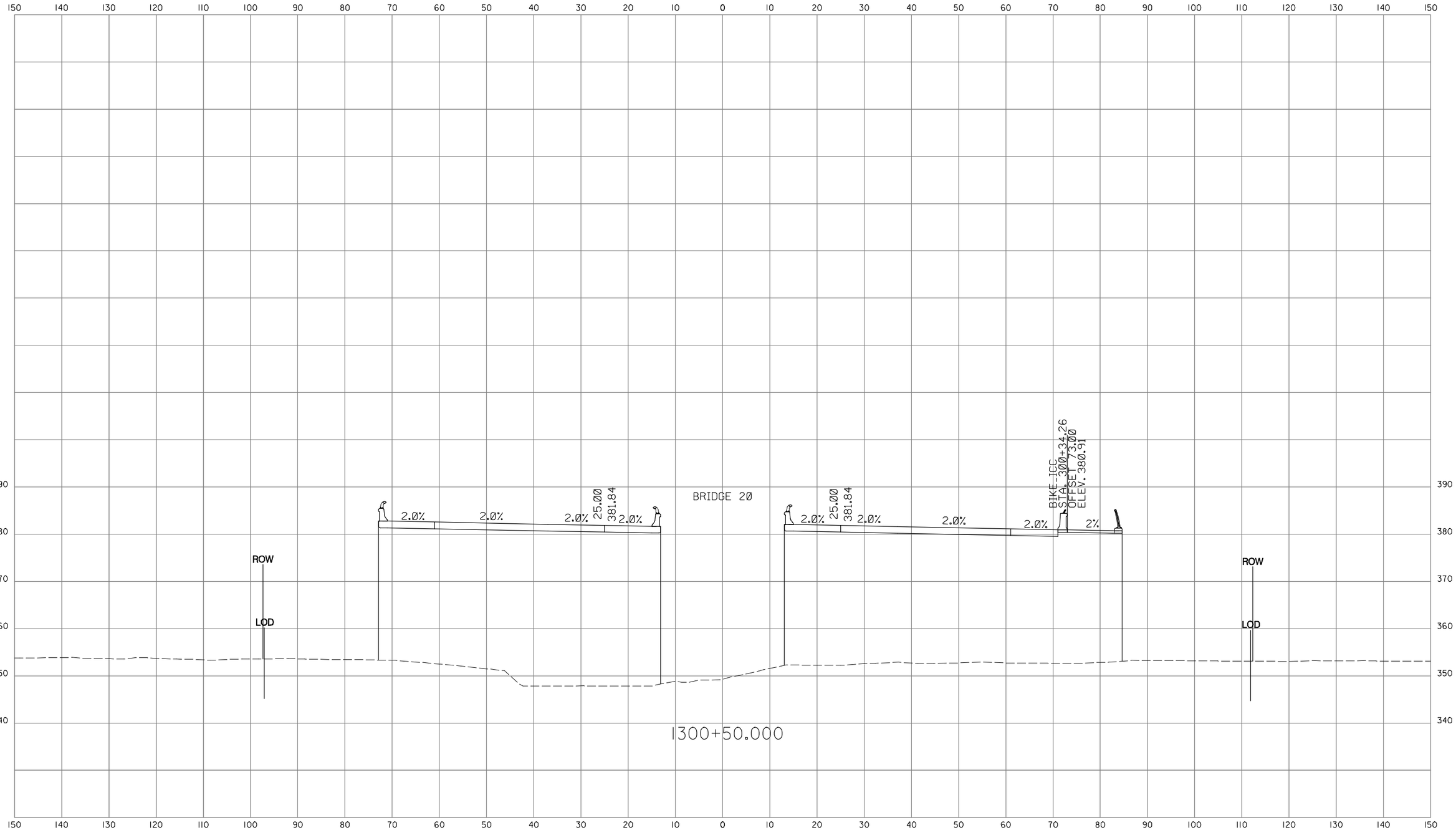
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

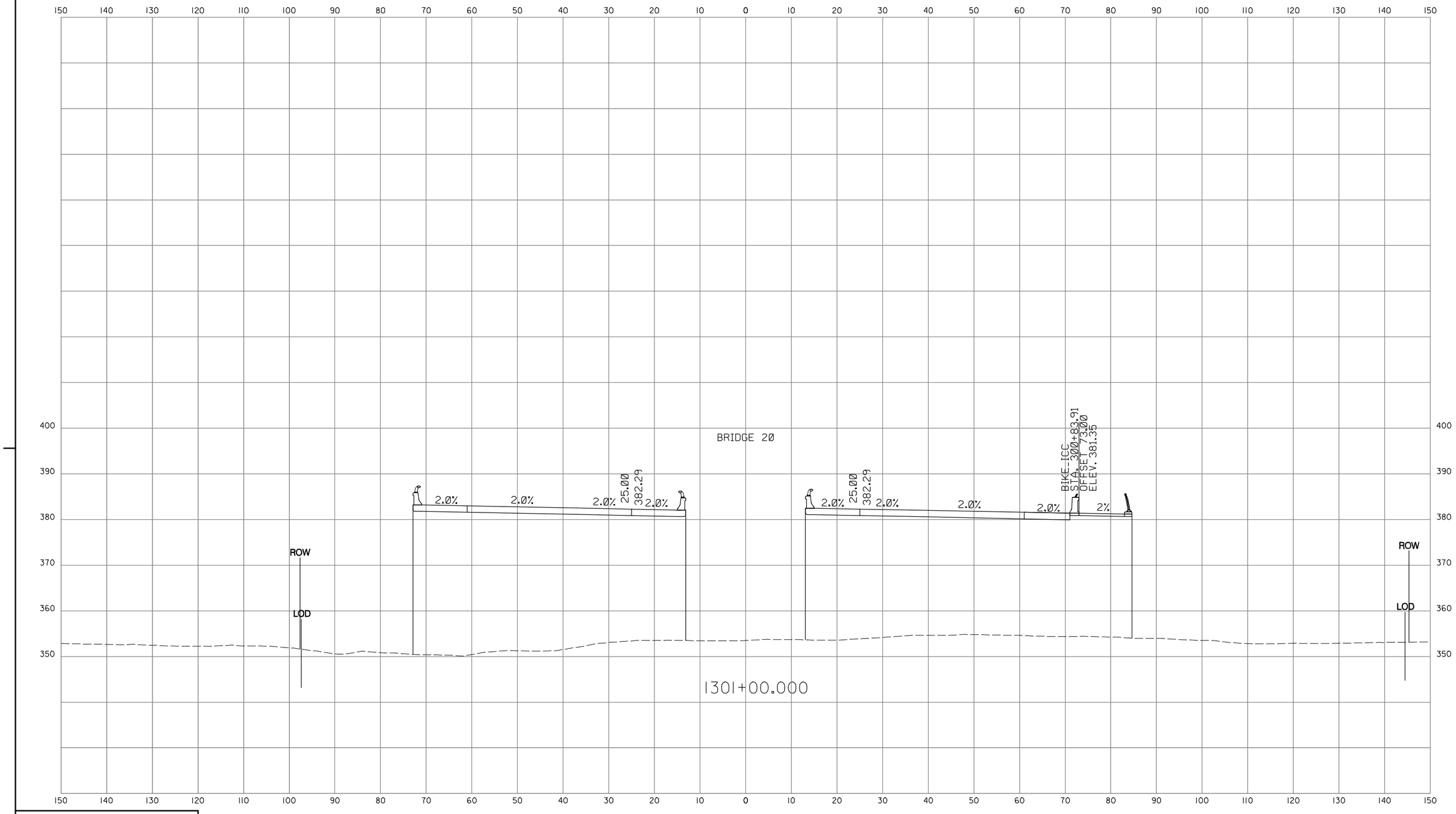
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

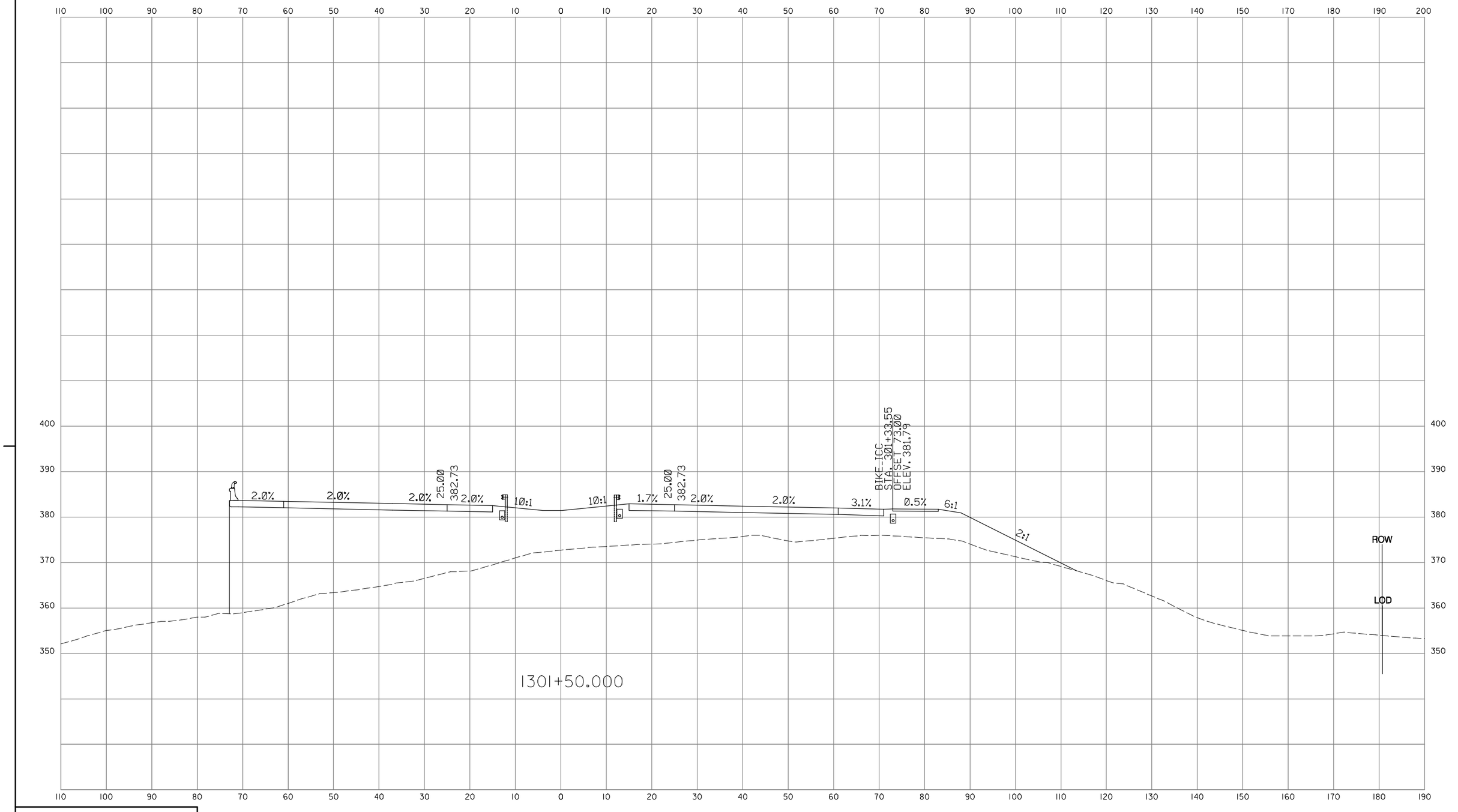
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DM584232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-864-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

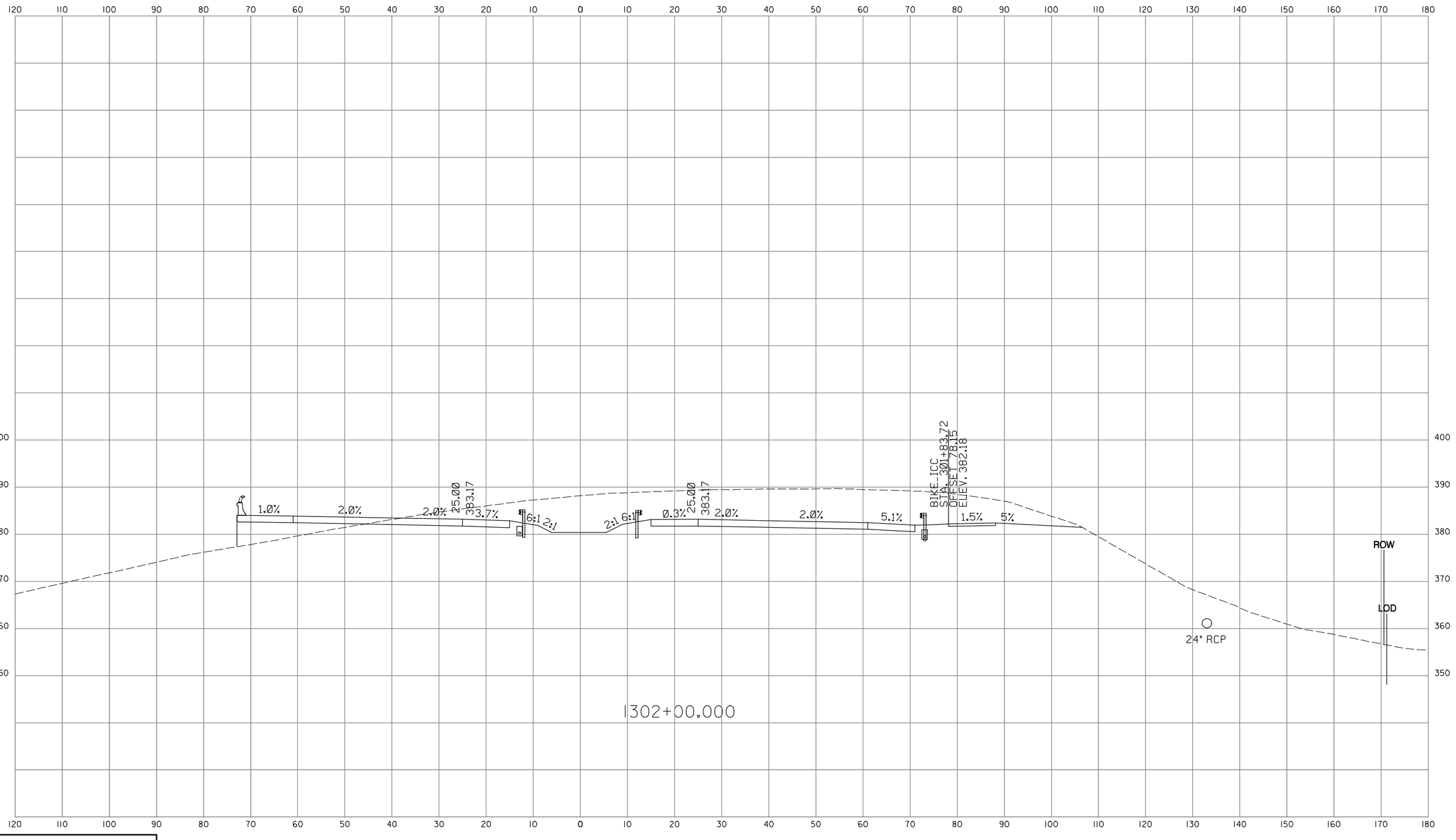
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-854-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

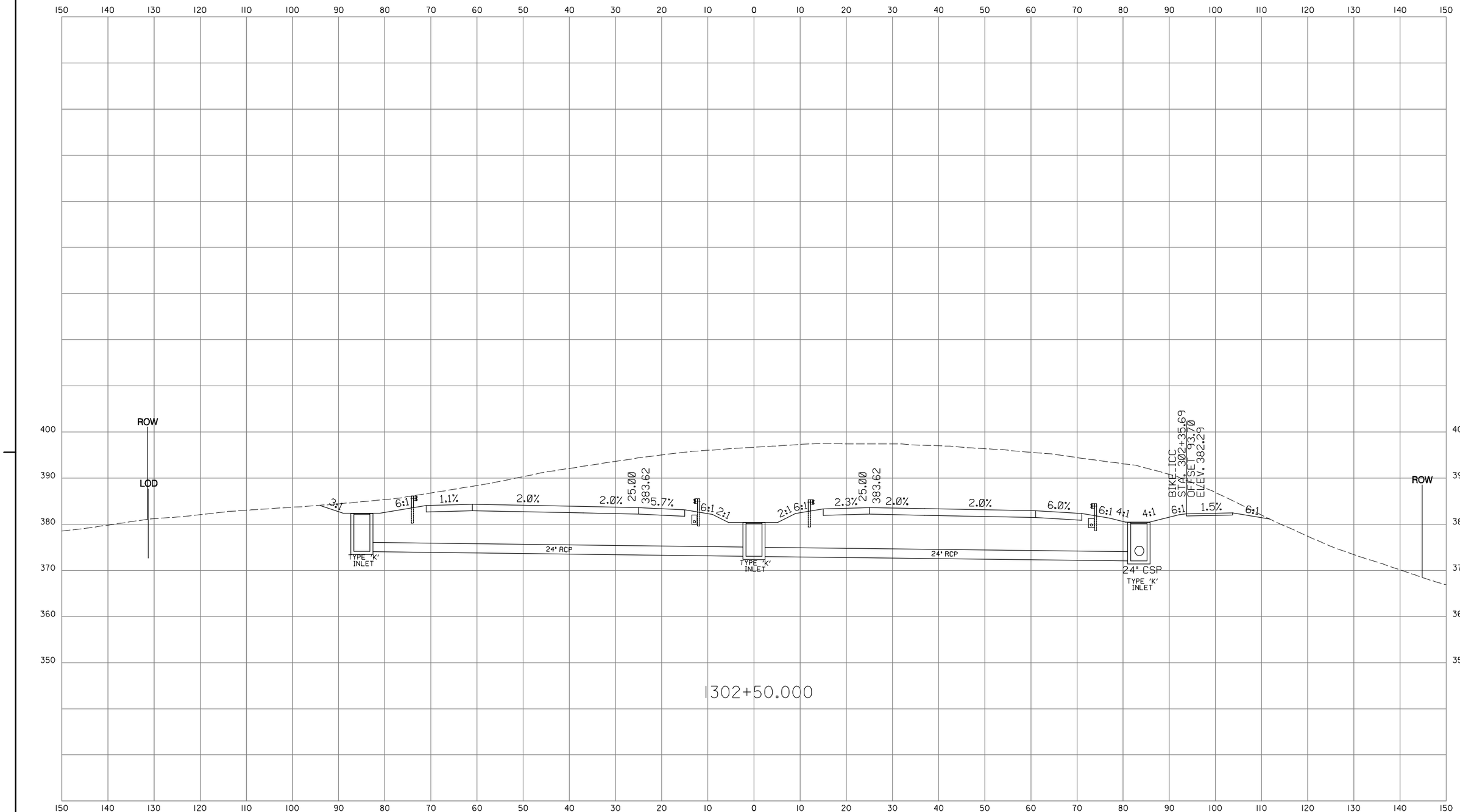
SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

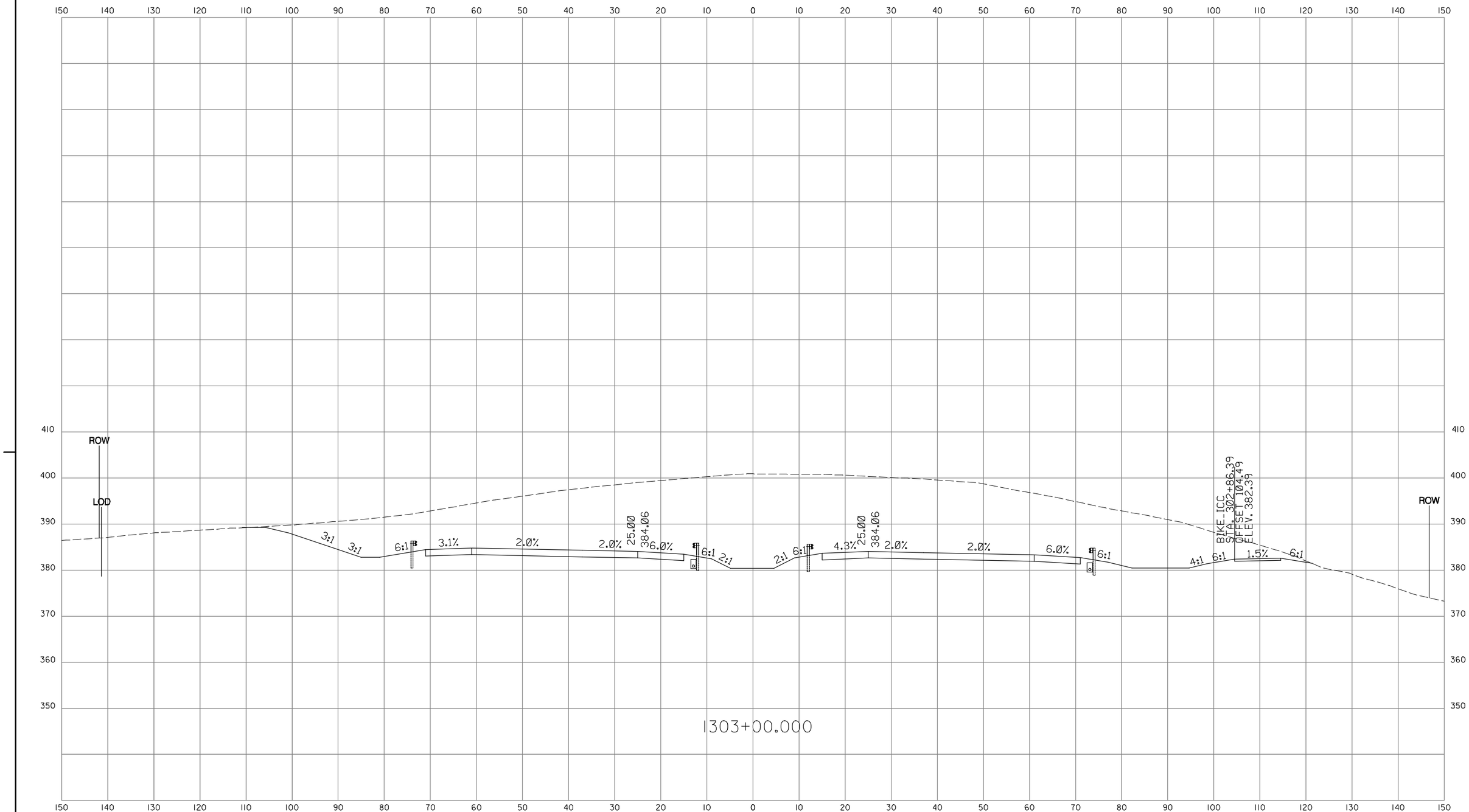
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

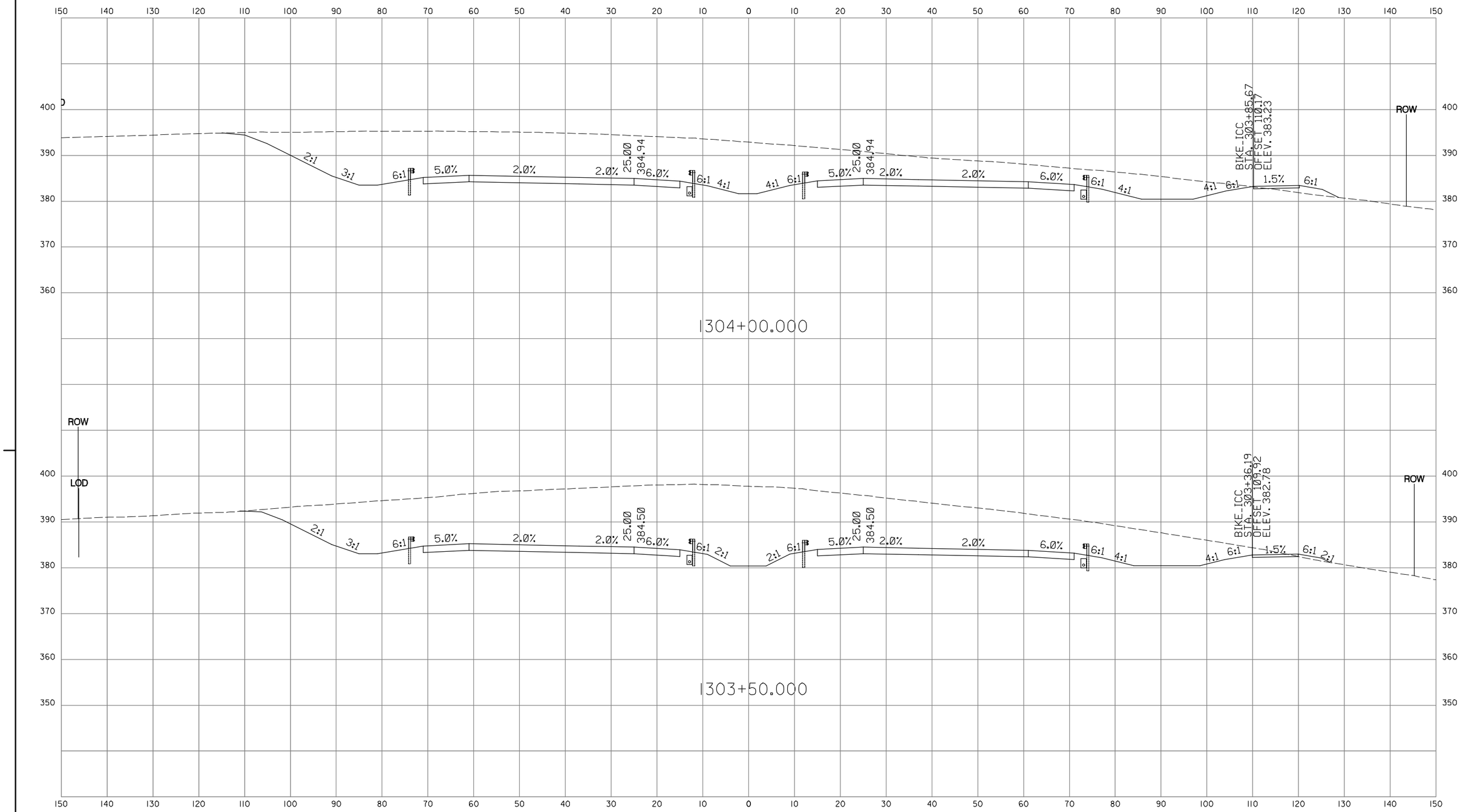
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE

DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO. _____
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

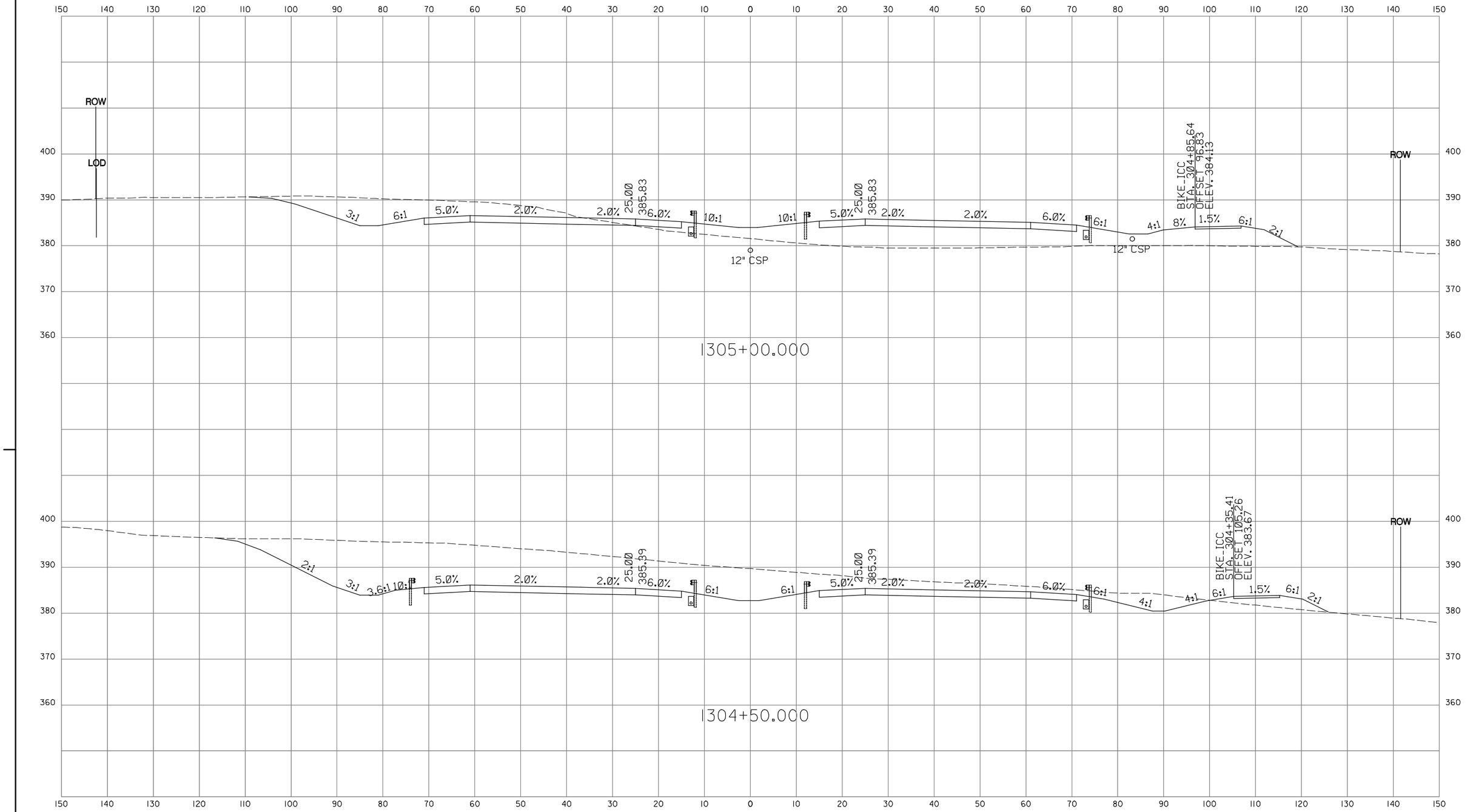
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N

COUNTY MONTGOMERY
LOGMILE _____

DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

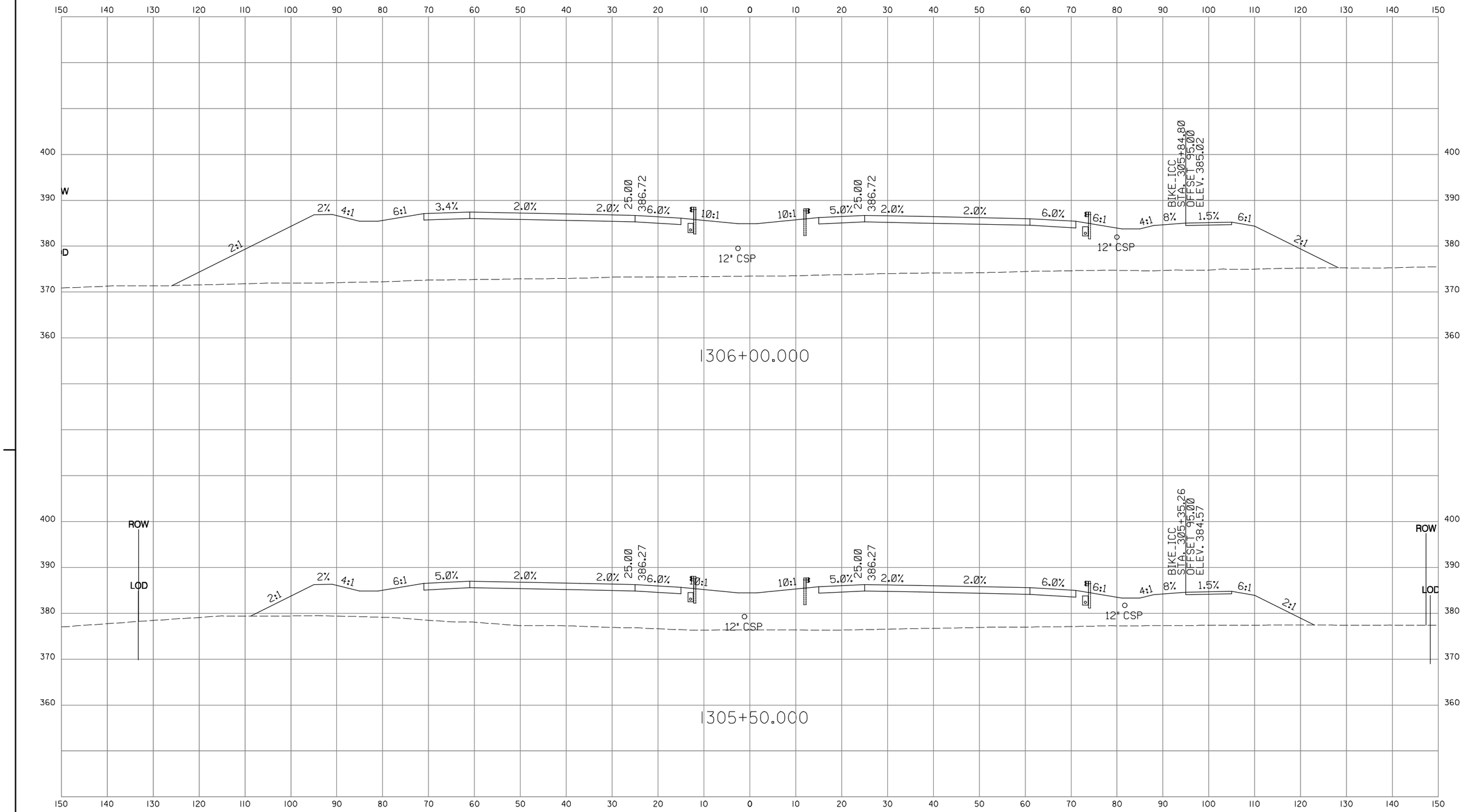
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS804232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

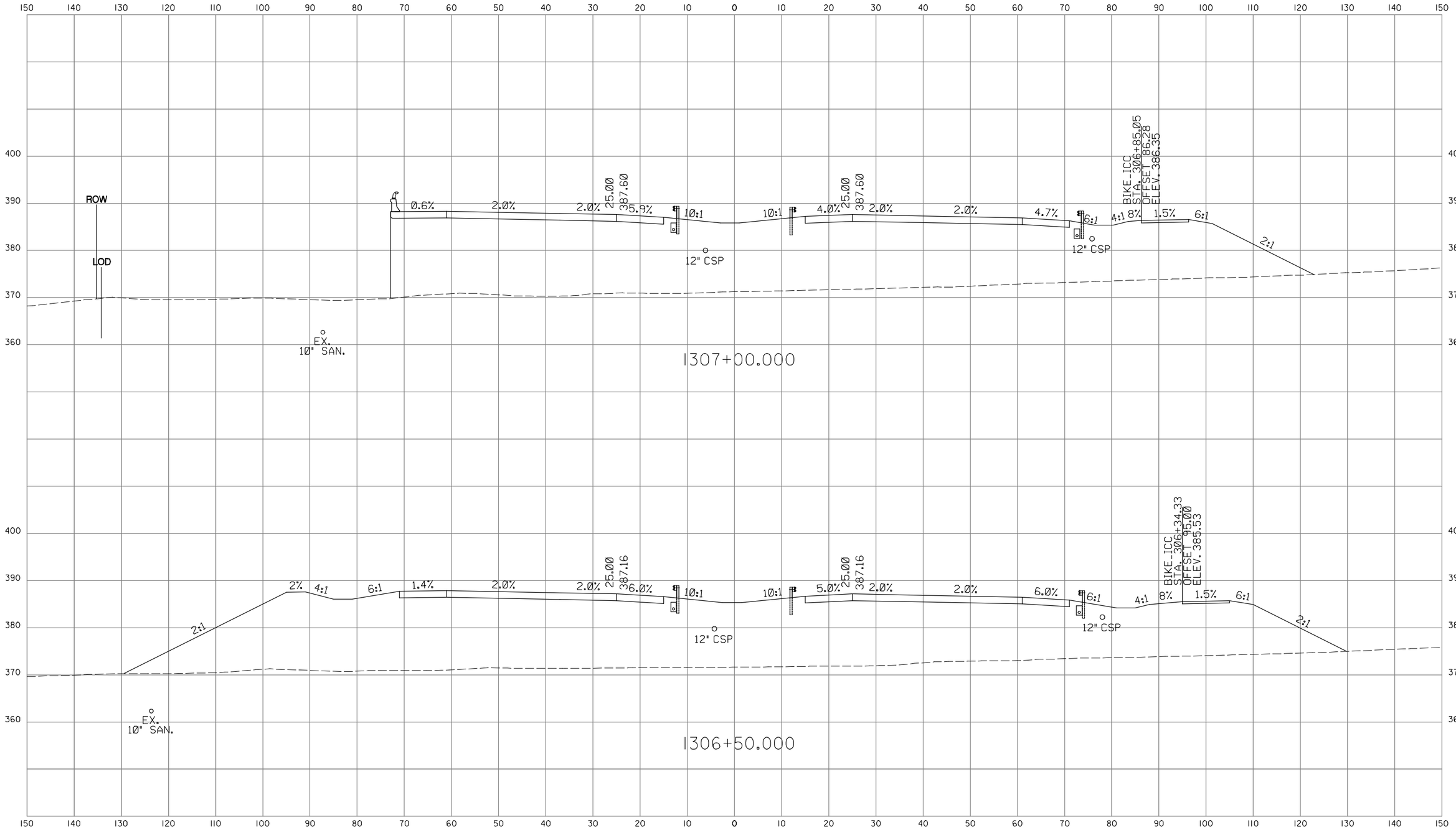
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT • ROCKVILLE, MARYLAND 20850 • 301-354-8800

CROSS SECTION

PROJECT _____ CONTRACT NO. _____
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

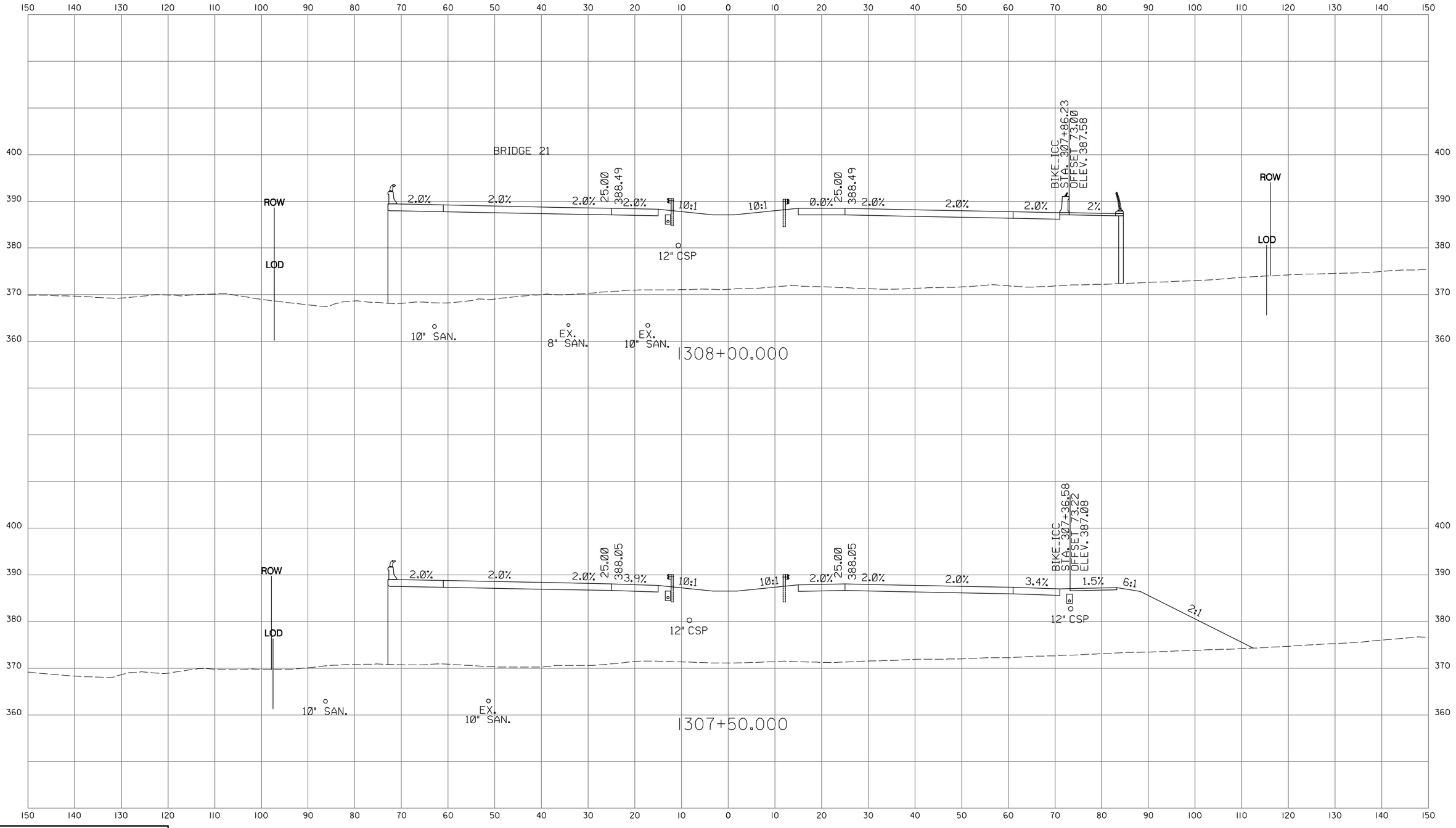
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

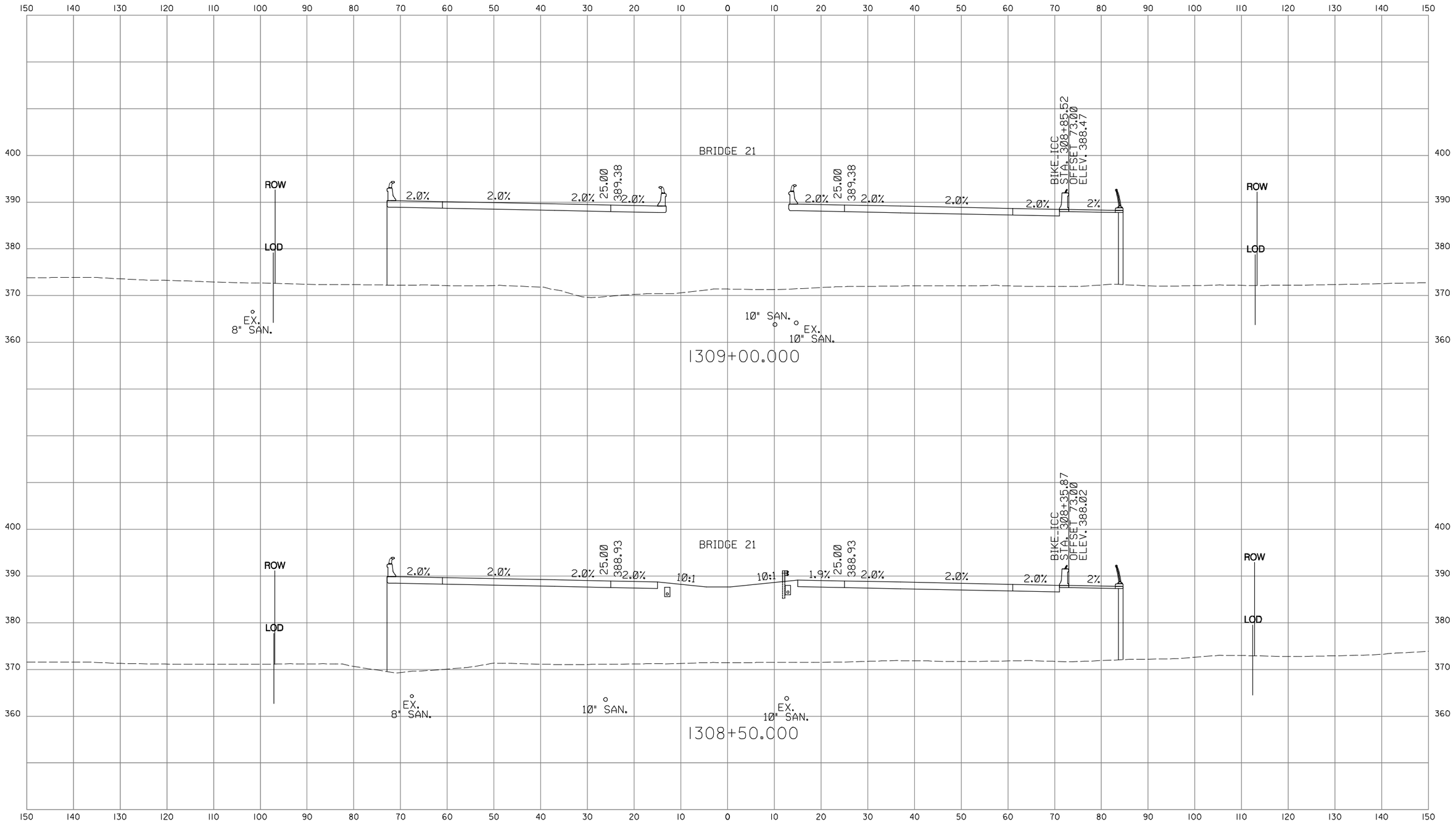
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C. COUNTY MONTGOMERY
DRAWN BY G.C. LOGMILE
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
DRAWING NO. XS- OF SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTS\P0009454\DMS84232\PHC-X0000.ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

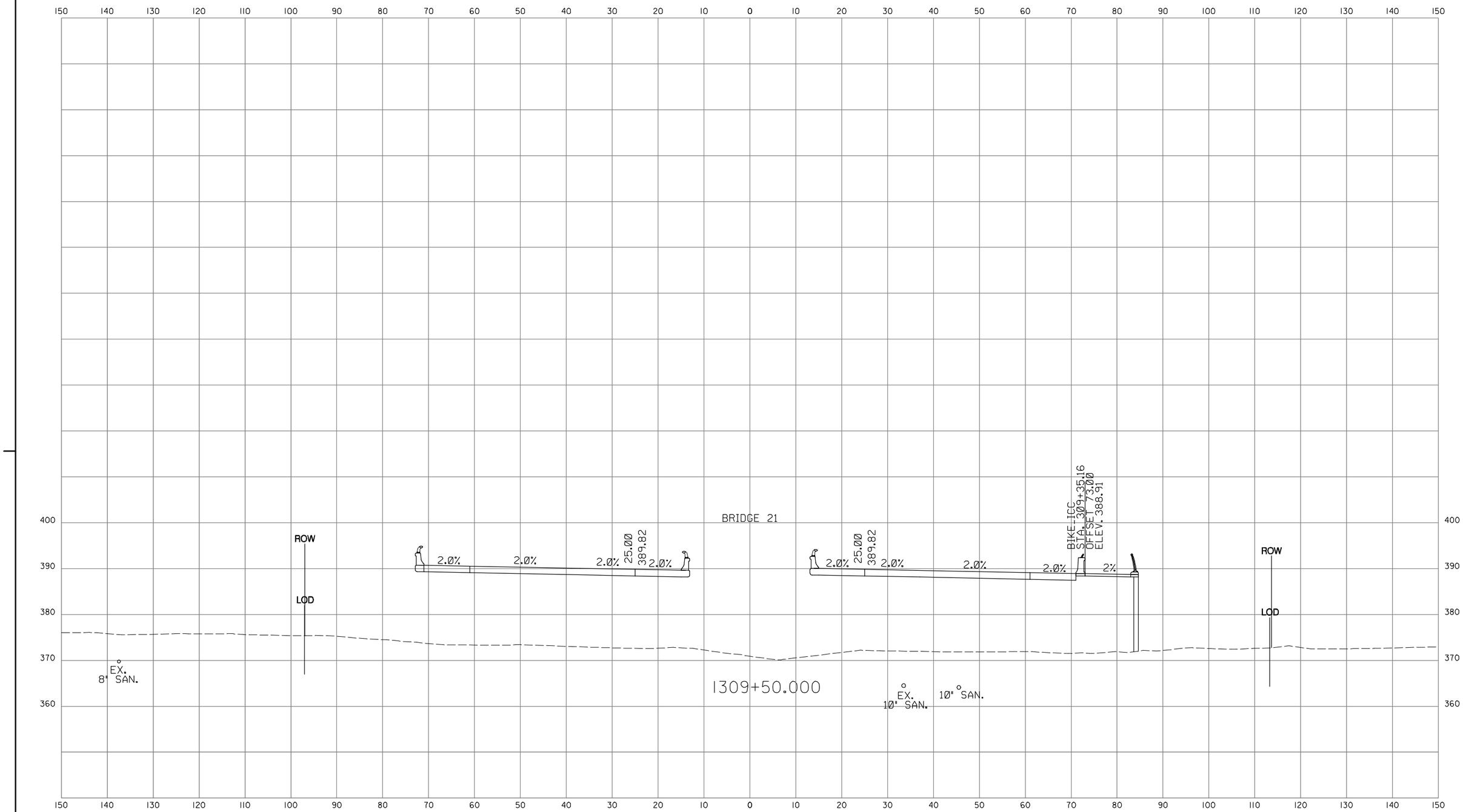
ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454



INTERCOUNTY CONSTRUCTORS
TWO TAFT COURT * ROCKVILLE, MARYLAND 20850 * 301-354-8600

CROSS SECTION

PROJECT _____ CONTRACT NO.
SCALE HORIZ. 1" = 10' DESCRIPTION _____
SCALE VERT: 1" = 10'

ROADWAY CROSS SECTION SHEET

SHA
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
HIGHWAY DESIGN DIVISION
INTERCOUNTY CONNECTOR
CONTRACT A
SEGMENT D1D2

SCALE AS SHOWN DATE JAN. 2008 CONTRACT NO. AT3765960
DESIGNED BY G.C.
DRAWN BY G.C.
CHECKED BY J.L.
F.A.P. NO. AC-NH-ICC-1(1)N
COUNTY MONTGOMERY
LOGMILE
DRAWING NO. XS- OF
SHEET NO. OF

PLOTTED: MONDAY, JANUARY 28, 2008 AT 11:36 AM
FILE: C:\PW_WORKING_XM\PTG\P0009454\DMS84232\PHC-X0000_ICC-A_SEGMENTD2.SHG

BY: P0009454