

COUNTY	RD DIST	SECTION	SHT. NO.
ADAMS	BURTON	11-02116-00-BR	1

COVER SHEET
TOTAL NO. SHEETS - 28

INDEX OF SHEETS

04-24-2020 LETTING ITEM 182

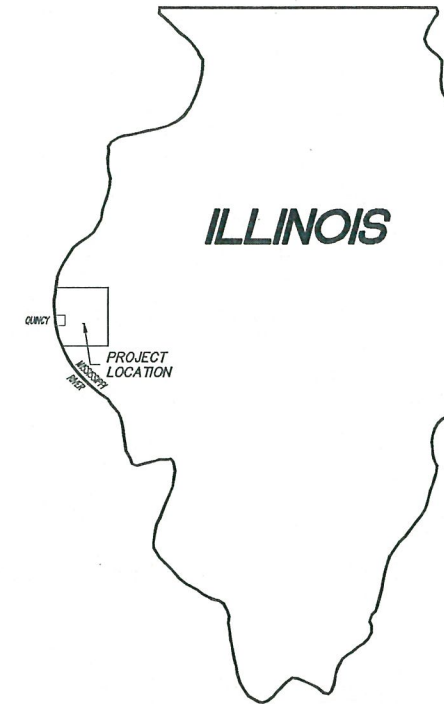
SHEET NO. SHEET

- 1 TITLE SHEET
- 2 SUMMARY OF QUANTITIES
- 3 QUANTITY SCHEDULES
APPLICATION RATES PAY ITEM ABBREVIATIONS
TRAFFIC CONTROL AND PROTECTION
- 4 TYPICAL SECTIONS TYPICAL FIELD ENTRANCE
GENERAL NOTES HMA MIXTURE REQUIREMENTS
- 5 ALIGNMENTS
- 6 PLAN AND PROFILE SHEET
- 7-16 BRIDGE PLAN SHEETS
- 17-25 CROSS SECTIONS (ROADWAY)
- 26-28 CROSS SECTIONS (CHANNEL)

STANDARDS

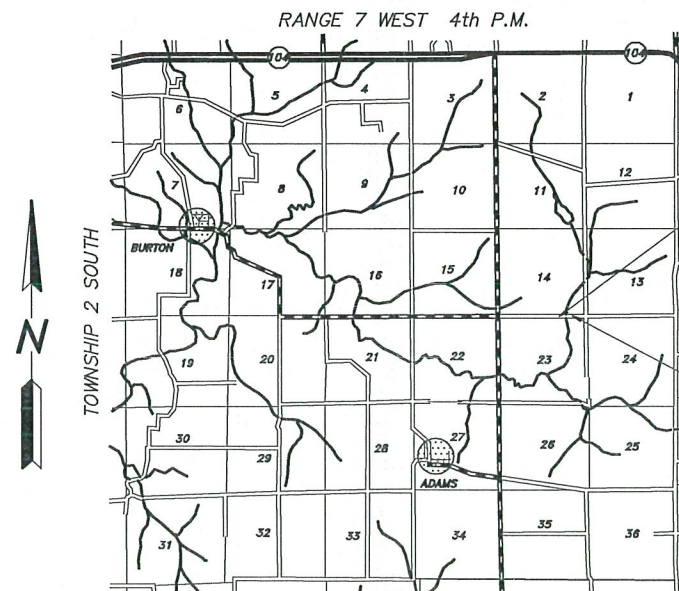
- STANDARD 280001-07
- STANDARD 420001-09
- STANDARD 515001-04
- STANDARD 630301-09
- STANDARD 701901-08
- STANDARD 725001-01
- STANDARD BLR 21-9
- STANDARD BLR 27-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
SURFACE TRANSPORTATION / BRIDGE PROGRAM FUNDS
ADAMS COUNTY BURTON ROAD DISTRICT
SEC. 11-02116-00-BR
PROJECT NO. TLZ5(707)
JOB NO. C-96-041-19
EXISTING STR. NO. 001-3016
PROPOSED STR. NO. 001-3435
TR 419 (North 900th Avenue)



PROPOSED IMPROVEMENT MARKED THUS —

STA. 4+98.00:
 PROPOSED IMPROVEMENT TO CONSIST OF REMOVING THE EXISTING
 STRUCTURE AND CONSTRUCTING A 47.04' B-B ABUTMENT PRECAST
 PRESTRESSED CONCRETE DECK BEAM BRIDGE WITH THE NECESSARY
 APPROACH ROADWAY RECONSTRUCTION.



LOCATION MAP

(IN MILES)

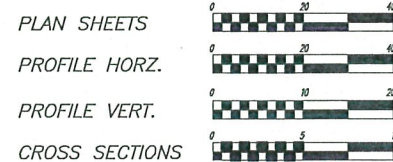


NET LENGTH OF IMPROVEMENT = 600.00 FT. = 0.114 MI.

DESIGN DESIGNATION:
 LOCAL ROAD - ADT 175
 DESIGN SPEED - 30 M.P.H.

THESE PLANS WERE PREPARED BY ME OR A FULL TIME MEMBER
 OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

SUBMITTED BY *James R. Franken* DATE *1/9/2020*
 COUNTY ENGINEER
 LICENSE NO. 062-044792
 LIC. EXPIRES 11/30/2021



FULL SIZE PLANS HAVE BEEN PREPARED USING
 STANDARD ENGINEERING SCALES, REDUCED SIZED
 PLANS WILL NOT CONFORM TO STANDARD SCALES, IN
 MAKING MEASUREMENTS ON REDUCED PLANS, THE
 ABOVE SCALES MAY BE USED.

UTILITIES

- J.U.L.I.E. 1-800-892-0123
- ADAMS ELECTRIC CO-OP CAMP POINT, IL
- AT&T SPRINGFIELD, IL
- NICOR CARTHAGE, IL
- ABS WATER CO-OPERATIVE CLAYTON, IL

APPROVED *4/15/2020*
Darin McCleary ROAD COMMISSIONER

APPROVED *1/9/2020*
James R. Franken COUNTY ENGINEER

PASSED *February 7, 2020*
Bruce DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR
 BID BASED ON *February 7, 2020*
 LIMITED REVIEW
Jeff P. Mc REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREPARED BY
 ADAMS COUNTY HIGHWAY DEPARTMENT
 101 NORTH 54th STREET, QUINCY, ILLINOIS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SPECIAL PROVISION
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	71	*
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	*
20200100	EARTH EXCAVATION	CU YD	575	*
20300100	CHANNEL EXCAVATION	CU YD	229	*
25000200	SEEDING, CLASS 2	ACRE	0.6	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54	
25100115	MULCH, METHOD 2	ACRE	0.6	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60	
28100209	STONE RIPRAP, CLASS A5	TON	380	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	550	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	125	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2300	*
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	200	*
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	*
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	100	*
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	*
50105220	PIPE CULVERT REMOVAL	FOOT	40	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SPECIAL PROVISION
50300225	CONCRETE STRUCTURES	CU YD	19.4	*
50300280	CONCRETE ENCASEMENT	CU YD	2.6	*
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1080	*
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2460	
Δ 50900205	STEEL RAILING, TYPE S1	FOOT	94	
51200957	FURNISHING METAL SHELL PILES 12" x 0.250"	FOOT	520	
51202305	DRIVING PILES	FOOT	520	
51203200	TEST PILE METAL SHELLS	EACH	2	
51500100	NAME PLATES	EACH	1	
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	120	*
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	120	
Δ 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2	*
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	*
67100100	MOBILIZATION	L SUM	1	
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	
X4201400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	107	*
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	*

Δ SPECIALTY ITEMS

CONSTRUCTION TYPE CODE: 0010

USER NAME =	DESIGNED -	REVISED -
	DRAWN - JRF	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**SUMMARY OF QUANTITIES
TR 419 (N 900th AVENUE)**

COUNTY	RD. DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	2
			CONTRACT NO. 93743	

SCALE --- SHEET 1 OF 1 SHEETS STA. -- TO STA. --

PAVEMENT SCHEDULE

LOCATION / STA. - STA.	AGGREGATE BASE COURSE, TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE	HOT-MIX ASPHALT SURFACE COURSE	BRIDGE APPROACH PAVEMENT, SPECIAL
	TON	POUND	POUND	TON	TON	SQ YD
STA. 2+50 - 4+55.5	275	1150	100	60	42	
STA. 4+55.5 - 4+75.5						53.3
STA. 4+75.5 - 5+20.5					16	
STA. 5+20.5 - 5+40.5						53.3
STA. 5+40.5 - 7+50	275	1150	100	60	42	
TOTAL	550	2300	200	120	100	107

EARTHWORK

LOCATION / STA. - STA.	EARTH EXCAVATION	EMBANKMENT	EXCESS EXCAVATION
	CU YD	CU YD	CU YD
2+00 - 4+74.48	355	144	140
5+21.52 - 8+00	220	102	74
TOTAL	575	246	214

CHANNEL EXCAVATION

LOCATION / STA. - STA.	CHANNEL EXCAVATION	FILL	EXCESS EXCAVATION
	CU YD	CU YD	CU YD
20+00 - 21+50	229	48	135
TOTAL	229	48	135

FIELD ENTRANCE SCHEDULE

LOCATION / STA. - STA.	AGGREGATE SURFACE COURSE, TYPE B	PIPE CULVERTS, CLASS D, TYPE 1 EQUIV. ROUND-SIZE 15"	PIPE CULVERT REMOVAL
	TON	FOOT	FOOT
RT. STA. 2+86.5	30	40	20
LT. STA. 3+87.4	30	40	
RT. STA. 6+27.5	40		20
LT. STA. 6+27.5	25	40	
TOTAL	125	120	40

TREE REMOVAL, UNIT DIA.

STA. - OFFSET	6 - 15	>15'
4+69 45'R	8	
4+72 43'R	8	
4+86 40'R	14	
4+94 36'R	12	
5+17 39'R	6	
5+23 31'R	8	
5+28 46'R	7	
5+32 33'R	8	
5+34 31'R		20
5+35 33'R		15
5+36 32'R		15
TOTAL	71	50

SEEDING SCHEDULE

LOCATION / STA. - STA.	CLASS 2	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENTS	MULCH, METHOD 2
	ACRE	POUND	POUND	POUND	ACRE
STA. 2+00 - 5+00	0.35	32	32	32	0.35
STA. 5+00 - 8+00	0.25	22	22	22	0.25
TOTAL	0.60	54	54	54	0.60

GUARDRAIL SCHEDULE

STA. - STA.	TRAFFIC BARRIER TERMINAL, TYPE 5A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
	EACH	EACH
RT. 4+11.4 - 4+76.8	1	1
LT. 5+19.24 - 5+84.9	1	1
TOTAL	2	2

APPLICATION RATES

FERTILIZER NUTRIENTS 10-10-10 @ 270#/ACRE
 NITROGEN 90#/ACRE
 PHOSPHORUS 90#/ACRE
 POTASSIUM 90#/ACRE

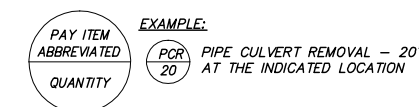
AGRICULTURAL GROUND LIMESTONE 2 TON/ACRE
 MULCH, METHOD 2 2 TON/ACRE

BITUMINOUS MATERIALS (PRIME COAT)
 ON EXISTING PAVEMENT 0.05 LB/SQ FT
 BETWEEN HMA LIFTS 0.025 LB/SQ FT
 ON AGGREGATE 0.25 #/SQ FT

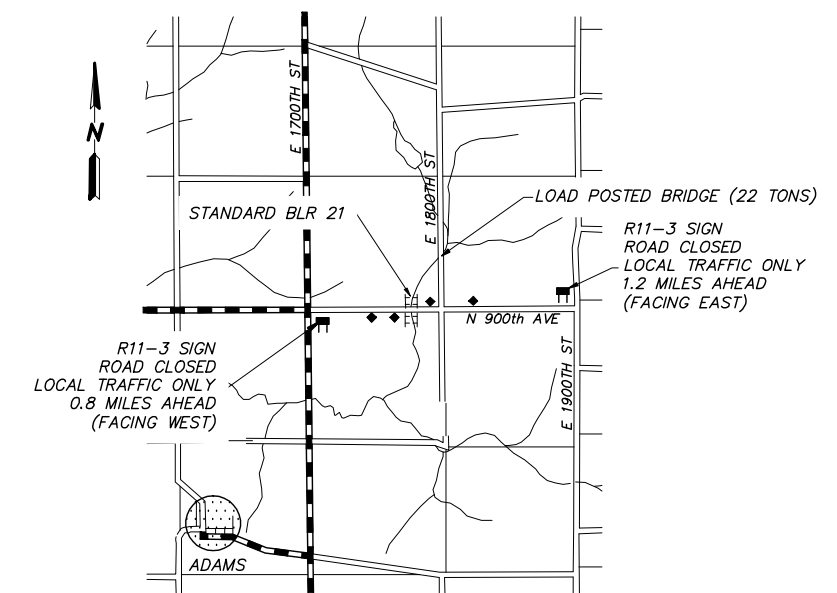
AGGREGATE (BASE COURSE) 2.1 TON/CU YD
 AGGREGATE (SURFACE, SHOULDERS) 1.8 TON/CU YD

PAY ITEM ABBREVIATIONS

ABBREV.	PAY ITEM	UNIT
AS-B	AGGREGATE SURFACE COURSE, TYPE B	TON
PCR	PIPE CULVERT REMOVAL	FOOT
PC	PIPE CULVERTS, DIAMETER	FOOT



TRAFFIC CONTROL AND PROTECTION



**SCHEDULE OF QUANTITIES APPLICATION RATES
 TRAFFIC CONTROL AND PROTECTION
 PAY ITEM ABBREVIATIONS
 TR 419 (N 900th AVE.)**

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	3

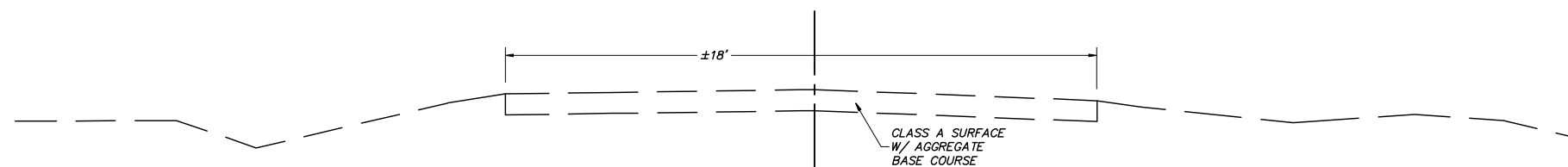
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CONTRACT NO. 93743

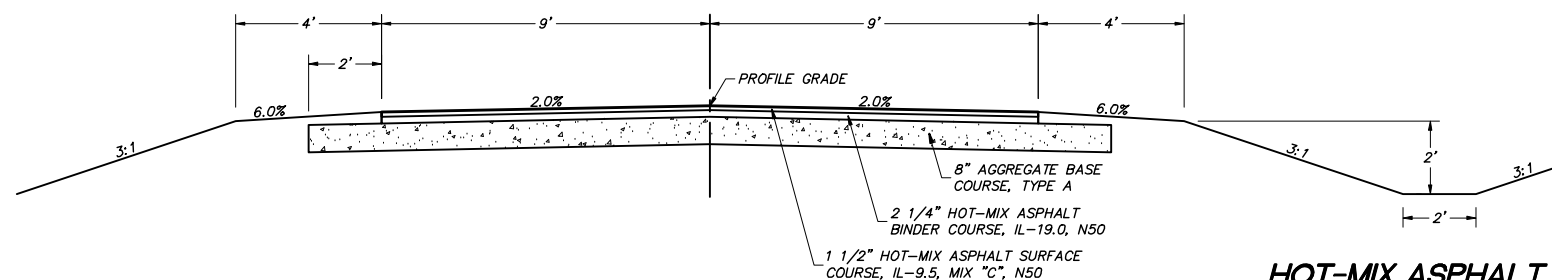
**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

USER NAME =	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:1	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

TYPICAL SECTIONS



EXISTING TYPICAL SECTION
STA. 2+00 TO STA. 8+00



PROPOSED TYPICAL SECTION
STA. 2+50 TO 7+50
(BRIDGE OMISSION STA. 4+55.5 TO 5+40.5)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

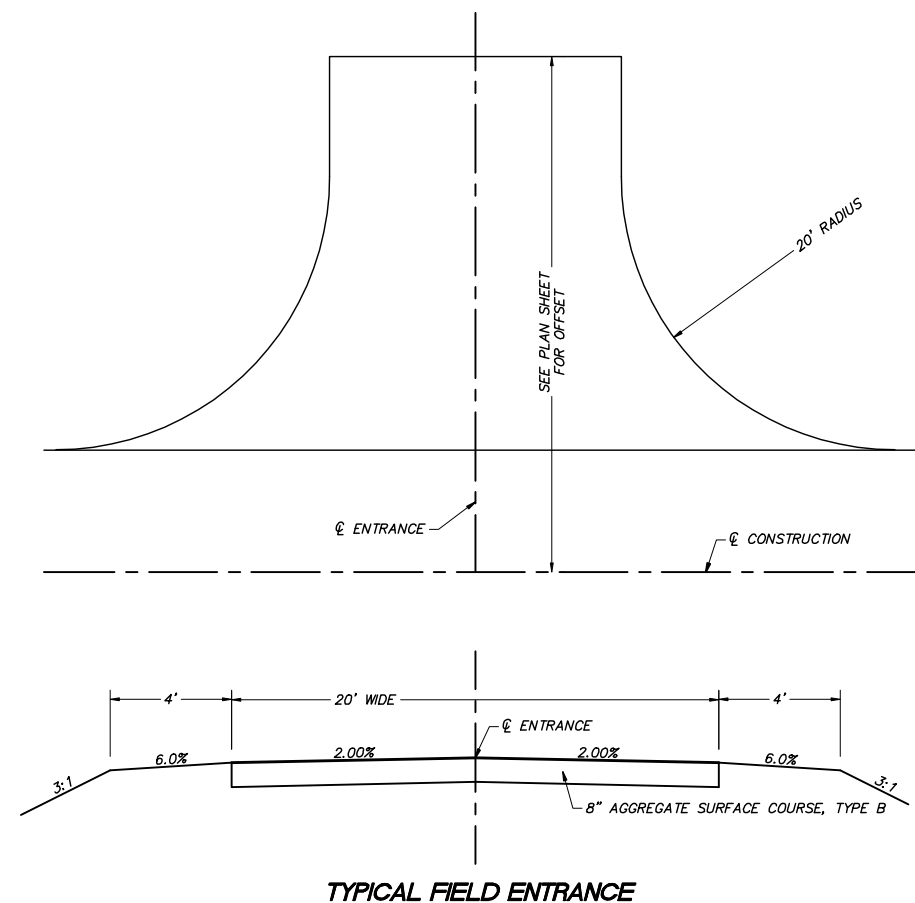
PAY ITEM	MIXTURE	ASPHALT GRADE	N Design	VOIDS
HOT-MIX ASPHALT BINDER COURSE	IL-19.0	PG 64-22	N50	4.0%
HOT-MIX ASPHALT SURFACE COURSE	IL-9.5 "C"	PG 64-22	N50	4.0%

NOTE: HOT-MIX ASPHALT QUANTITIES CALCULATED @ 112 #/SQ. YD. / IN.

GENERAL NOTES

- WHERE SECTION OR SUB-SECTION STONES, PROPERTY PINS, USGS BENCH MARK MONUMENTS, AND U.S. ARMY CORPS OF ENGINEERS SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH STONES AND MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS UNTIL AN OWNER, AN AUTHORIZED SURVEYOR OR THEIR REPRESENTATIVE HAS WITNESSED OR OTHERWISE REFERENCED THE PROPERTY MARKS LOCATION.
- ALL PRIVATELY OWNED UTILITIES, UNLESS OTHERWISE SPECIFIED, WILL BE MOVED BY THEIR RESPECTIVE OWNERS WHERE REQUIRED. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES WITHIN THE LIMITS OF CONSTRUCTION:

ADAMS ELECTRIC COOP AT&T NICOR GAS ABS WATER COOP
- THE NOMINAL THICKNESS FOR AGGREGATE SURFACE COURSE IS SHOWN ON THE TYPICAL SECTION, STANDARDS, SCHEDULES OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90% OF THE NOMINAL THICKNESS AT ANY LOCATION.
- THE UTILITY LOCATIONS, IF MARKED ON THE PLANS, ARE FOR REFERENCE ONLY, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND TO NOTIFY ALL UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THIS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER.
- ANY EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



TYPICAL FIELD ENTRANCE

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN - JRF	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE -	REVISED -

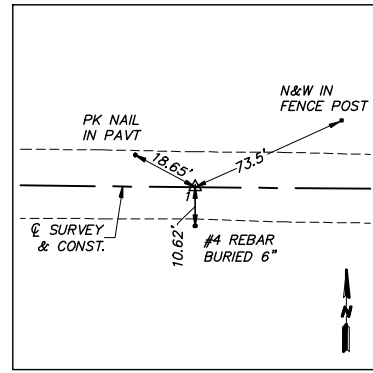
ADAMS COUNTY HIGHWAY DEPARTMENT

TYPICAL SECTIONS TYPICAL FIELD ENTRANCE GENERAL NOTES HOT-MIX ASPHALT MIXTURE REQUIREMENTS TR 419 (N 900th AVENUE)

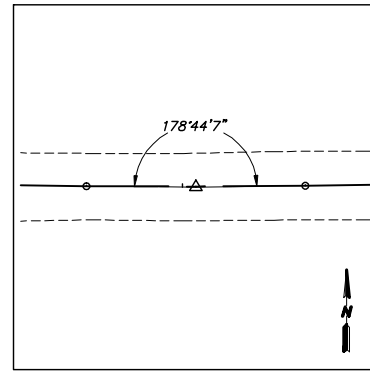
SCALE --- SHEET 1 OF 1 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	4

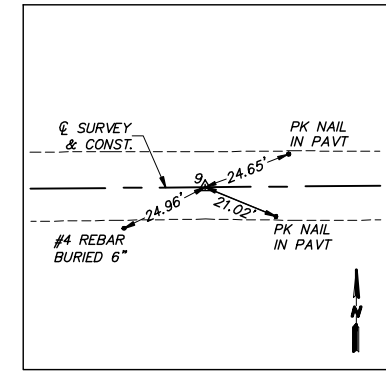
CONTRACT NO. 93743



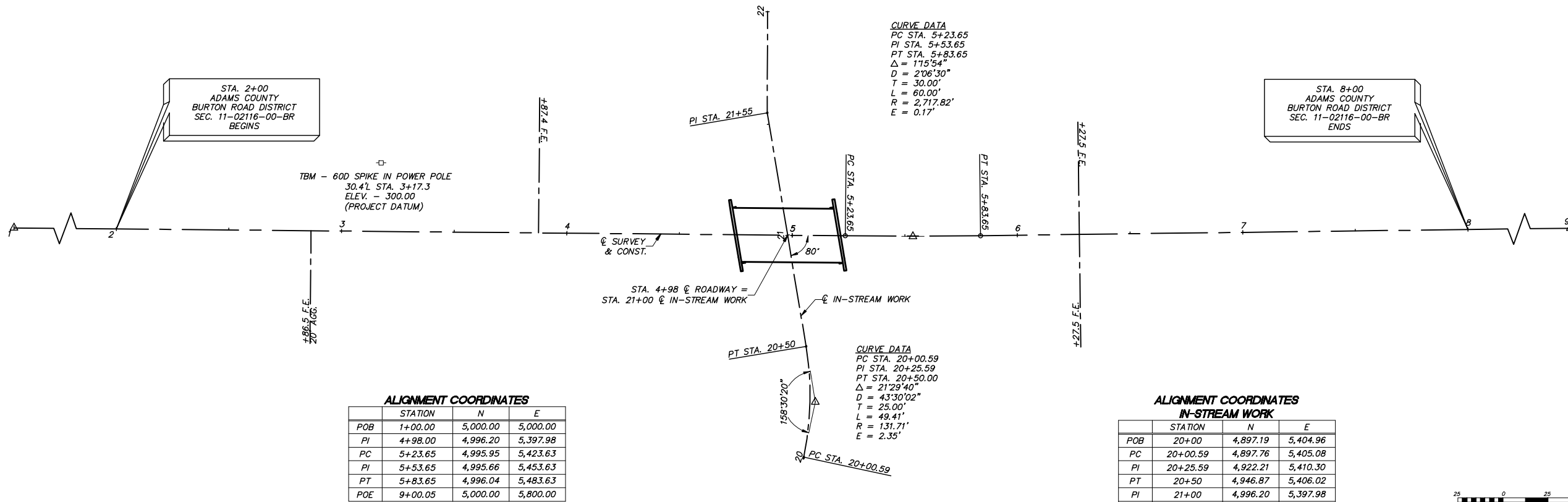
STA. 1+00
P.I.
PK NAIL
N 5,000.00 E 5,000.00



STA. 5+53.65
P.I.
(NOT SET)
N 4,995.66 E 5,453.63



STA. 9+00.05
P.I.
PK NAIL
N 5,000.00 E 5,800.00



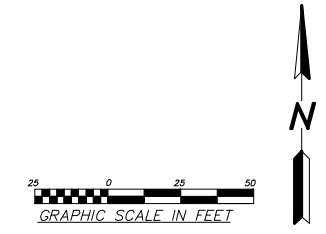
ALIGNMENT COORDINATES

	STATION	N	E
POB	1+00.00	5,000.00	5,000.00
PI	4+98.00	4,996.20	5,397.98
PC	5+23.65	4,995.95	5,423.63
PI	5+53.65	4,995.66	5,453.63
PT	5+83.65	4,996.04	5,483.63
POE	9+00.05	5,000.00	5,800.00

**ALIGNMENT COORDINATES
IN-STREAM WORK**

	STATION	N	E
POB	20+00	4,897.19	5,404.96
PC	20+00.59	4,897.76	5,405.08
PI	20+25.59	4,922.21	5,410.30
PT	20+50	4,946.87	5,406.02
PI	21+00	4,996.20	5,397.98
PI	21+55	5,050.45	5,388.95
POE	22+00	5,095.45	5,389.08

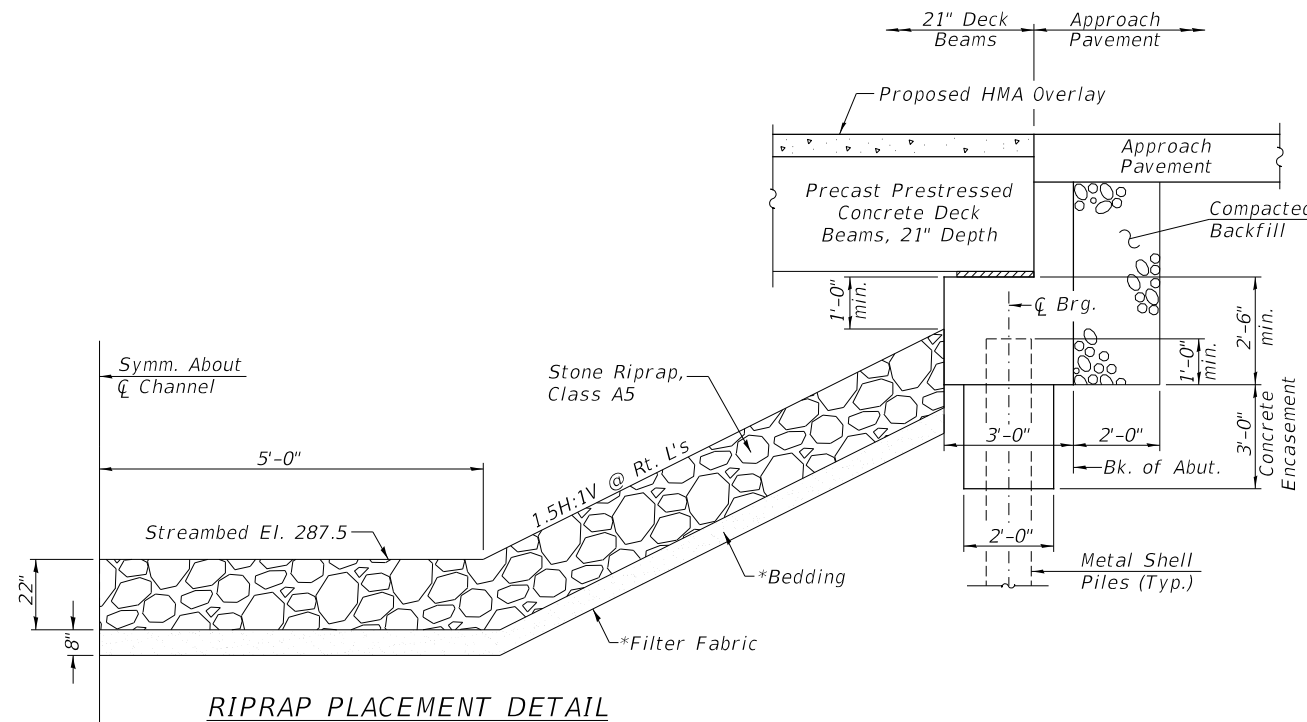
NO CONTROL POINTS HAVE BEEN SET FOR THE IN-STREAM WORK.



BRANCH OF TOURNEAR CREEK
 BUILT 20 BY
 ADAMS COUNTY
 SEC. 11-02116-00-BR
 T.R. 419 STATION 4+98.00
 F.A. PROJ. NO. TLZ5(707)
 STR. NO. 001-3435 LOADING HL-93

NAME PLATE

Locate Name Plate at S.W. Wingwall
 Corner of Bridge (See Std. 515001)



ITEM	UNIT	TOTAL
Stone Riprap, Class A5	TON	380
Filter Fabric	SQ YD	425

*Filter Fabric and Bedding materials shall be considered incidental to the unit price for Stone Riprap, Class A5

GENERAL NOTES

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of the piles.

For Soil Boring Logs, See Special Provisions.

A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Articles 1020.05(b)(10) and 1021.07 of the Standard Specifications.

Reinforcement Bars designated (E) shall be epoxy coated.

The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

All grout on this project shall be non-shrink.

Stone riprap shall be placed to the dimensions shown over a geotechnical fabric in accordance with the riprap placement detail and applicable special provisions.

The Engineer reserves the right to alter the riprap placement detail and/or adjust quantities to fit field conditions.

Excavation behind existing closed abutments shall be performed to balance front and back soil pressure before removing the existing superstructure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	229	229
Stone Riprap, Class A5	TON	—	380	380
Removal of Existing Structures	EACH	—	—	1
Concrete Structures	CU YD	—	19.4	19.4
Concrete Encasement	CU YD	—	2.6	2.6
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,080	—	1,080
Reinforcement Bars, Epoxy Coated	POUND	—	2,460	2,460
Steel Railing, Type S1	FOOT	94	—	94
Furnishing Metal Shell Piles 12"x0.250"	FOOT	—	520	520
Driving Piles	FOOT	—	520	520
Test Pile Metal Shells	EACH	—	2	2
Name Plates	EACH	—	1	1
Waterproofing Membrane System	SQ YD	120	—	120
Hot-Mix Asphalt Surface Course, Mix "C", N50	TON	17	—	17
Terminal Marker - Direct Applied	EACH	2	—	2
Bridge Approach Pavement, Special	SQ YD	107	—	107

USER NAME =	DESIGNED - STM	REVISED -
	DRAWN - STM	REVISED -
PLOT SCALE =	CHECKED - CTM	REVISED -
PLOT DATE =	DATE - 11/26/2019	REVISED -

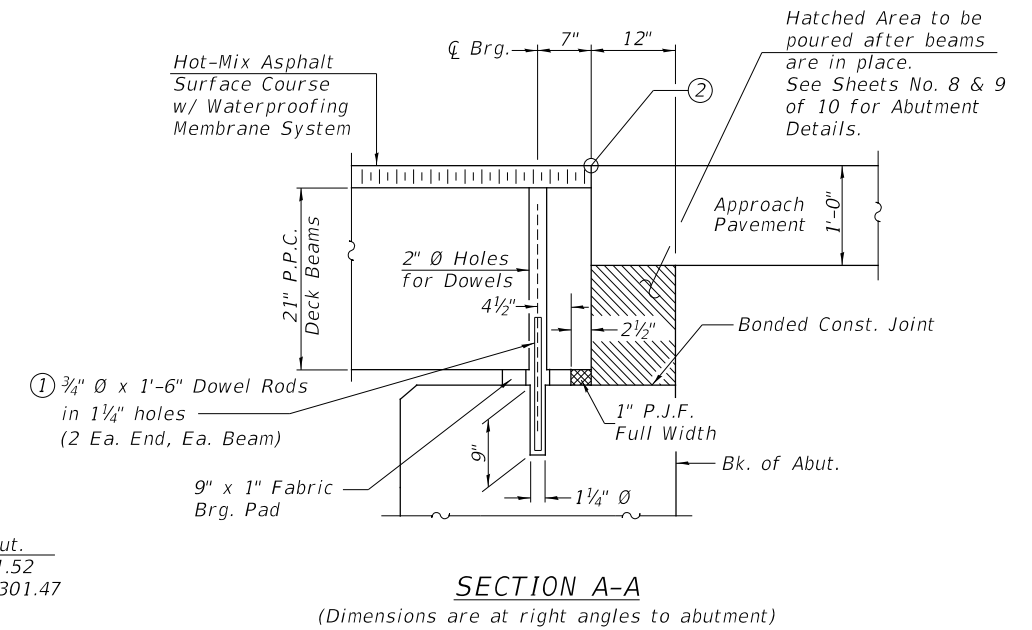
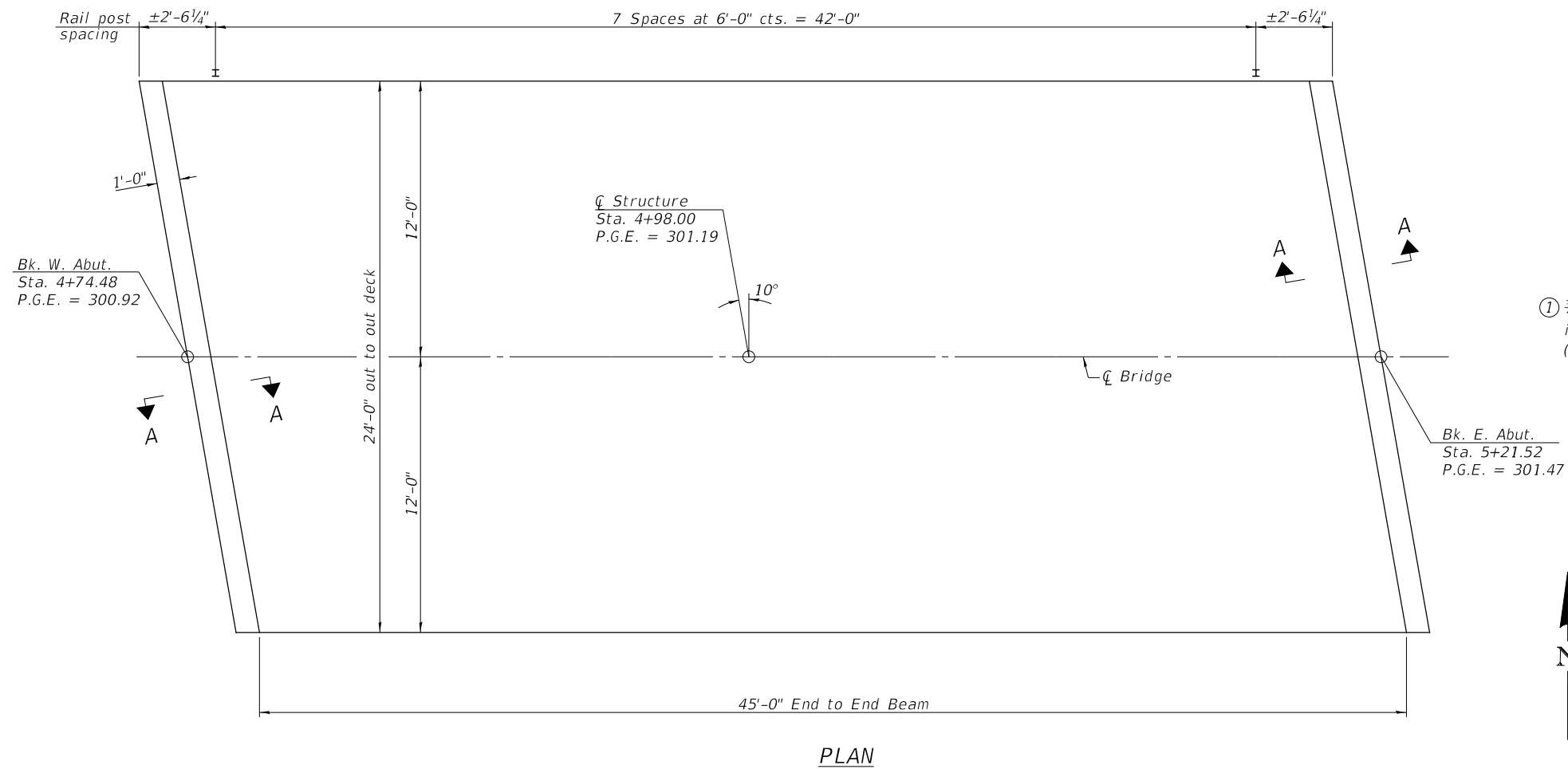
**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**GENERAL NOTES AND DETAILS
 STRUCTURE NO. 001-3435**

SCALE: NONE SHEET 2 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	8

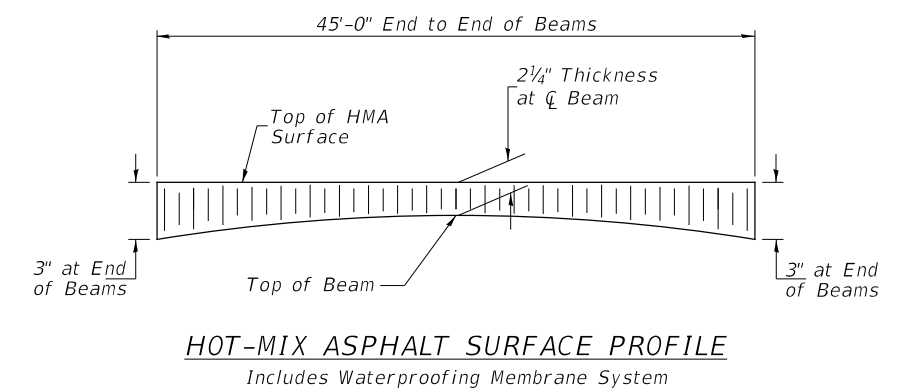
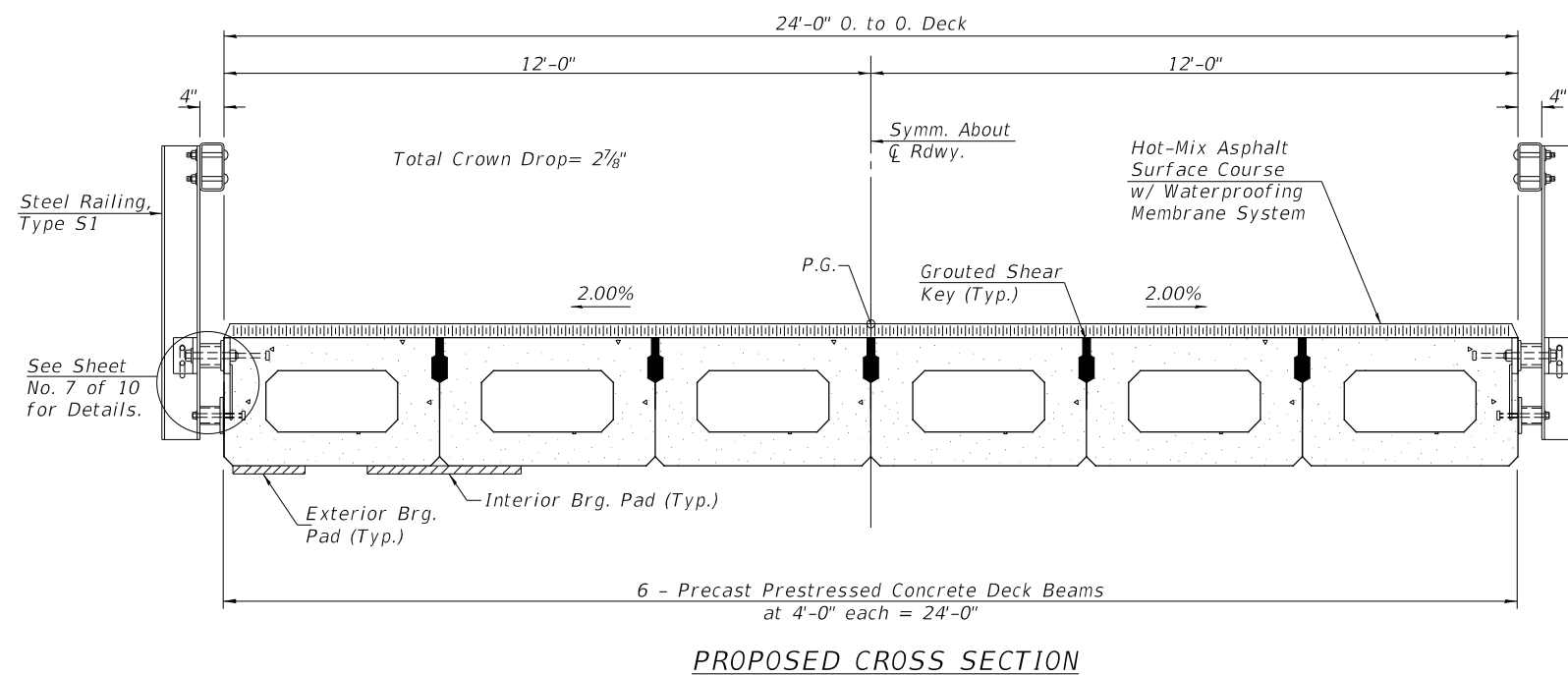
CONTRACT NO. 93743



- ① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys. Cost Included with Deck Beams.
 ② 1/4" x 3/4" Sawed joint with bridge relief joint sealer (full width) Cost Included with HMA Wearing Surface.



Notes:
 See Sheet No. 5 of 10 for fabric bearing pad details.



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Hot-Mix Asphalt Surface Course, Mix "C", N50	TON	17

USER NAME =	DESIGNED - STM	REVISED -
	DRAWN - STM	REVISED -
PLOT SCALE =	CHECKED - CTM	REVISED -
PLOT DATE =	DATE - 11/26/2019	REVISED -

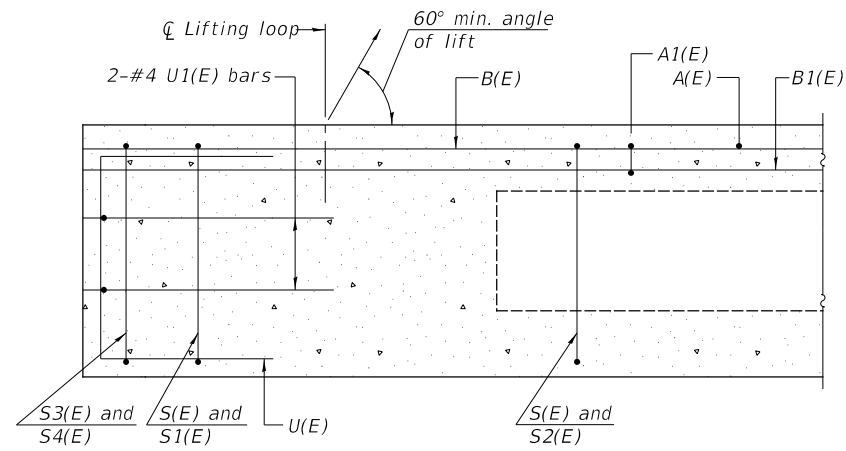
**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**PPC DECK BEAM SUPERSTRUCTURE
STRUCTURE NO. 001-3435**

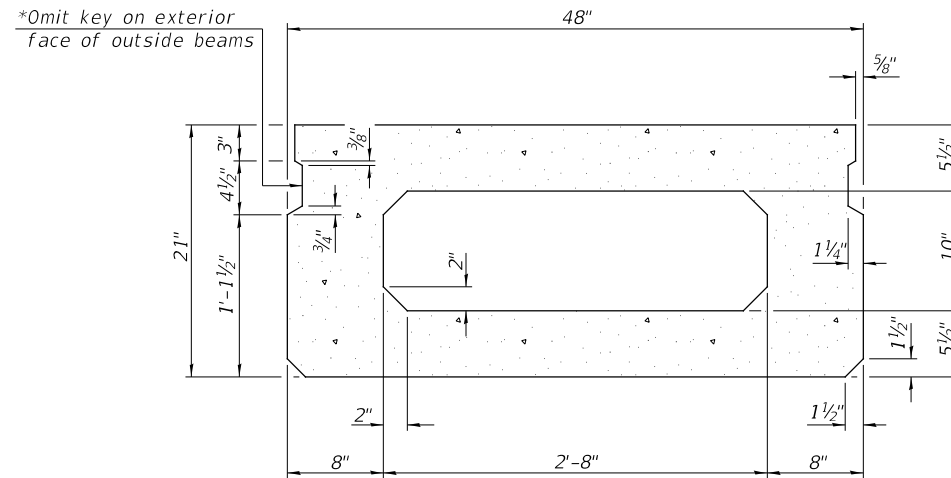
SCALE: NONE SHEET 3 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	9

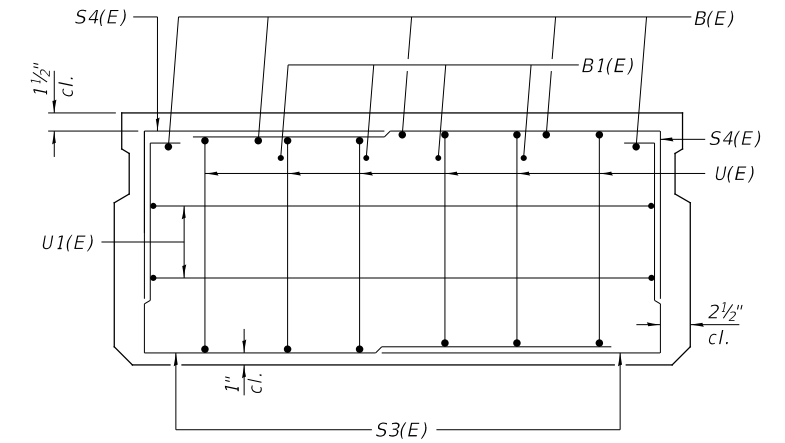
CONTRACT NO. 93743



SECTION A-A

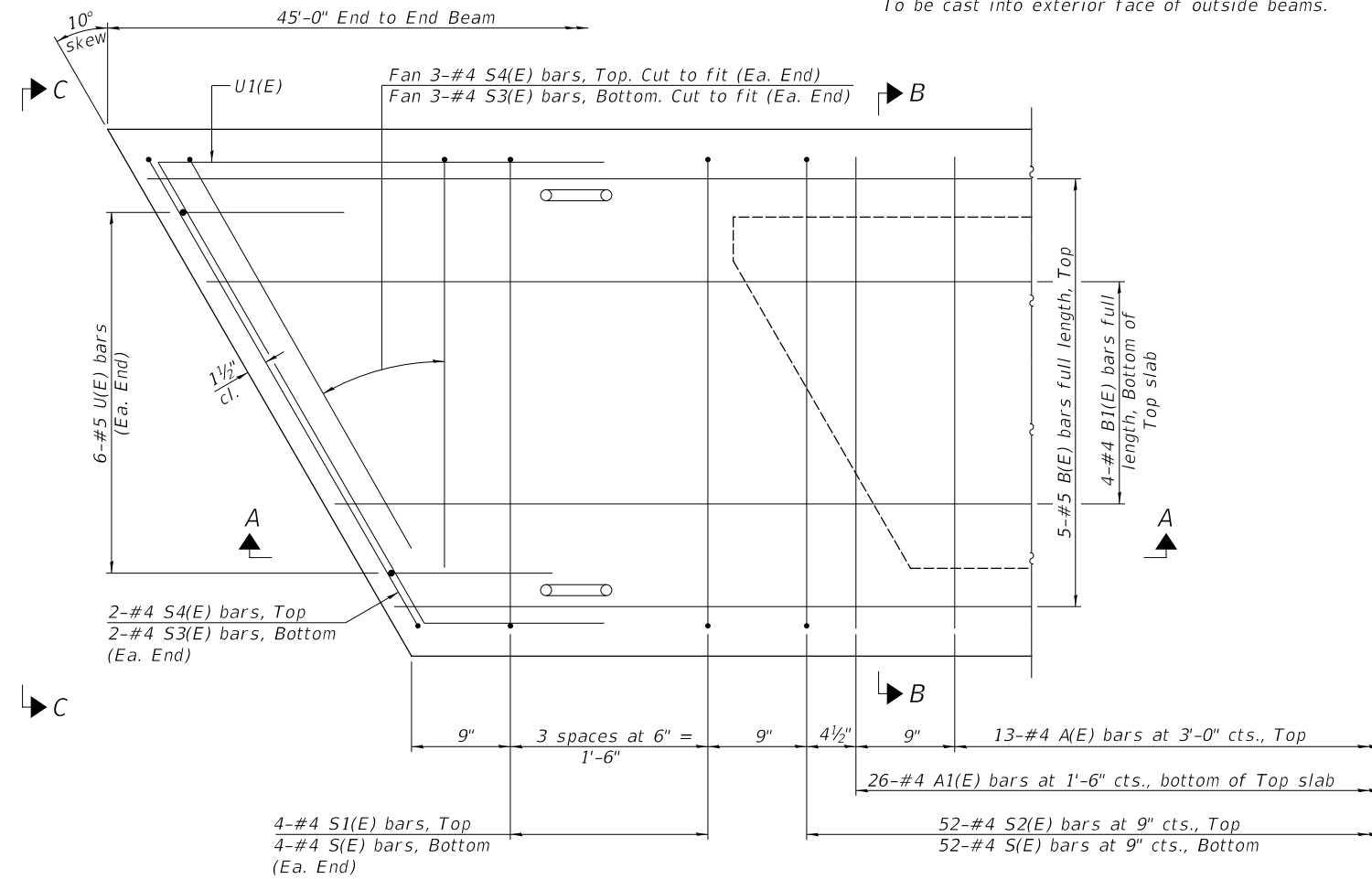


SECTION B-B
(Showing dimensions)

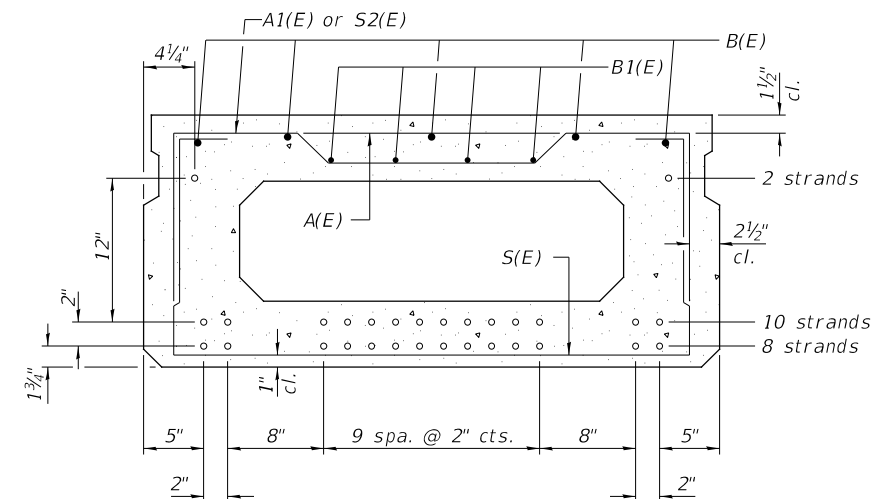


VIEW C-C

*See Sheet No. 7 of 10 for Rail post anchor devices.
To be cast into exterior face of outside beams.



PLAN VIEW



SECTION B-B

(Showing reinforcement and permissible strand locations)
20-1/2" Ø Strands Each Strand Stressed to 30,900 Lbs.
8-Strands 1 3/4" up, 10-Strands 3 3/4" up,
2-Strands 15 3/4" up

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP

#4 bar = 1'-11"
#5 bar = 2'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

BAR	NO.	SIZE	LENGTH	SHAPE
A(E)	13	#4	3'-7"	—
A1(E)	26	#4	3'-10"	~
B(E)	5	#5	44'-9"	—
B1(E)	4	#4	44'-9"	—
S(E)	60	#4	7'-5"	⌊
S1(E)	8	#4	5'-11"	⌊
S2(E)	52	#4	6'-2"	⌊
S3(E)	10	#4	5'-7"	⌊
S4(E)	10	#4	4'-10"	⌊
U(E)	12	#5	4'-0"	⌊
U1(E)	4	#4	6'-9"	⌊

Note:
See Sheet No. 5 of 10 for additional details and Bill of Material.

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

PD-2148-R

2-17-2017

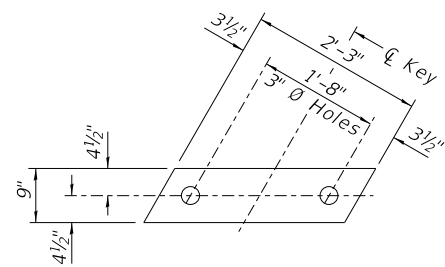
USER NAME =	DESIGNED - STM	REVISED -
PLOT SCALE =	DRAWN - STM	REVISED -
PLOT DATE =	CHECKED - CTM	REVISED -
	DATE - 11/26/2019	REVISED -

ADAMS COUNTY
HIGHWAY DEPARTMENT

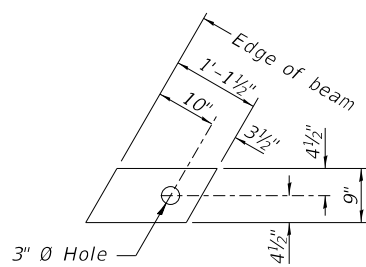
21" x 48" PPC DECK BEAM
STRUCTURE NO. 001-3435

SCALE: NONE SHEET 4 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	10
			CONTRACT NO. 93743	



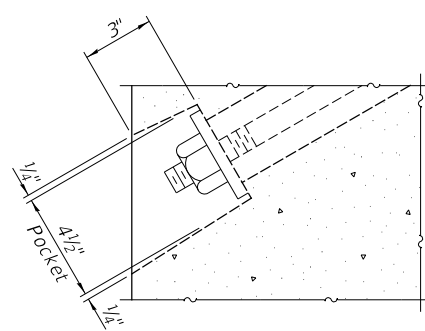
1" FABRIC BEARING PAD
(Interior) 10 Required



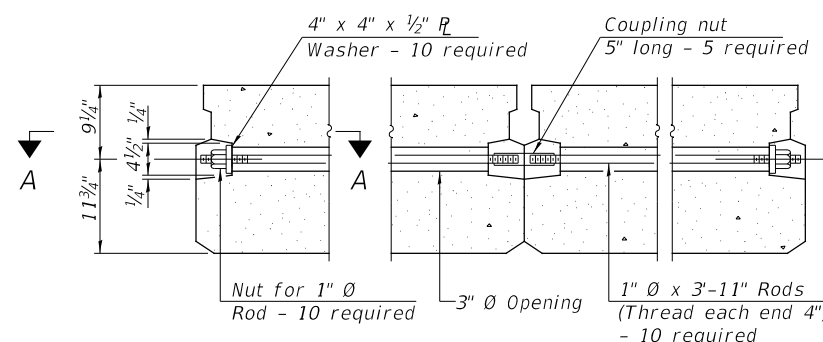
1" FABRIC BEARING PAD
(Exterior) 4 Required

FIXED

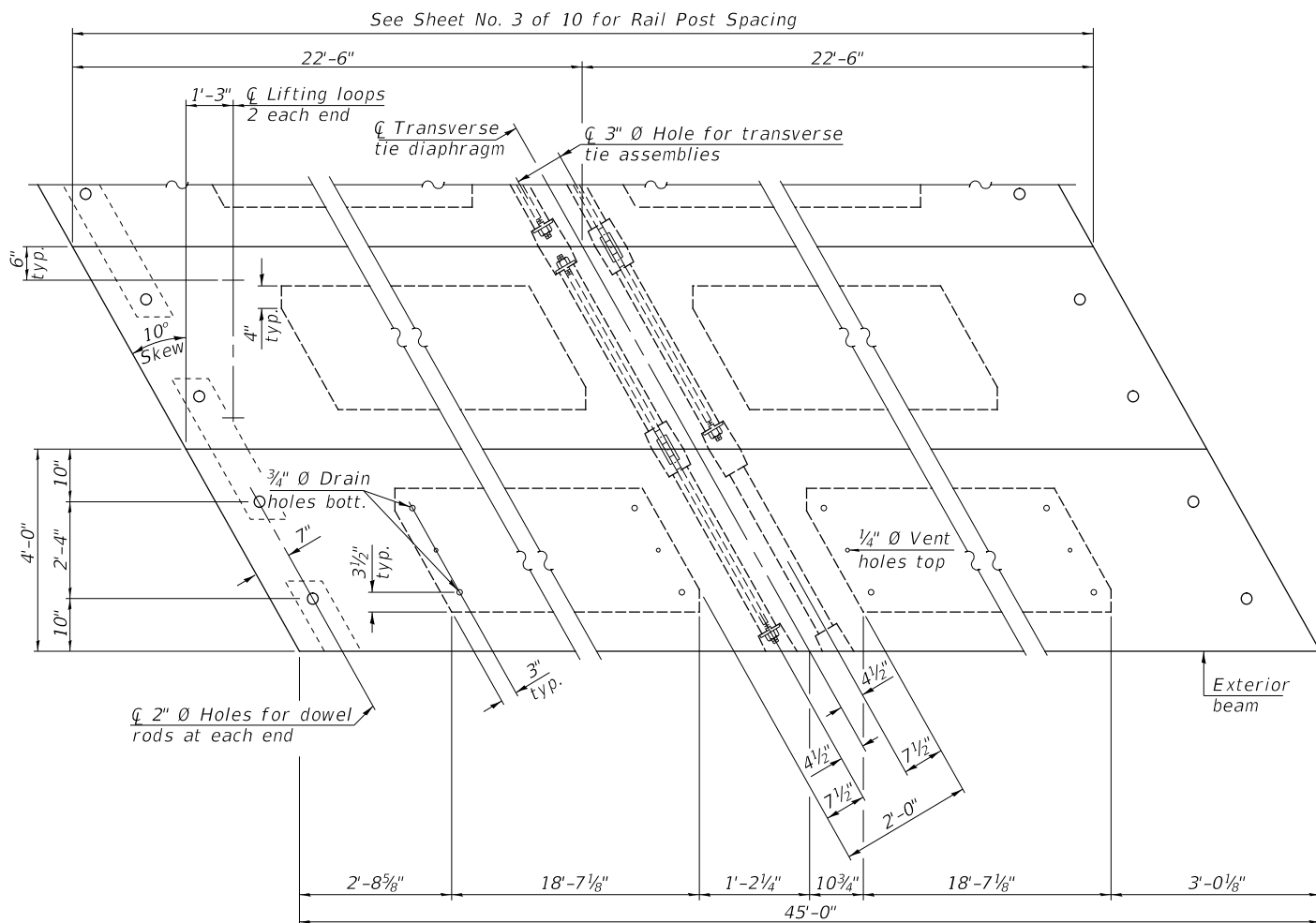
All bearing pads shall be 1" thick.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

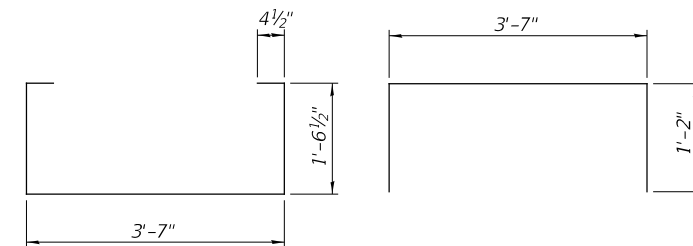


PLAN VIEW

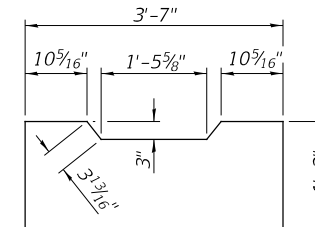
NOTES

- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
- The 1" \varnothing rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
- Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
- A minimum 2 1/2" \varnothing lifting pin shall be used to engage the lifting loops during handling.
- Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
- Compressive strength of prestressed concrete, $f'c$, shall be 6000 psi.
- Compressive strength of prestressed concrete at release, $f'ci$, shall be 5000 psi.

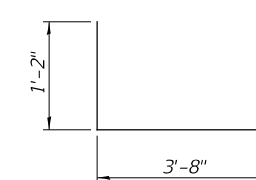
Note: Connect beams in pairs with the transverse tie configuration shown.



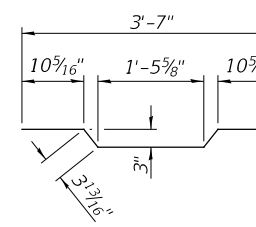
BAR S(E)



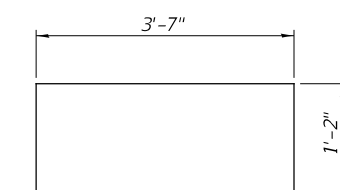
BAR S2(E)



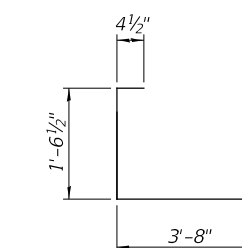
BAR S4(E)



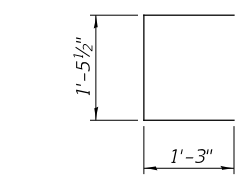
BAR A1(E)



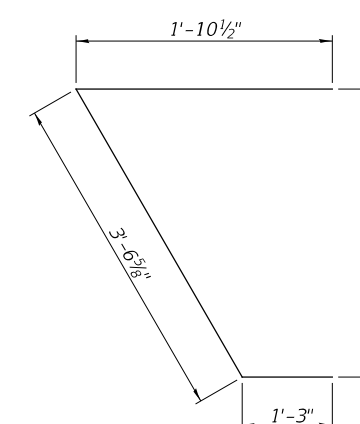
BAR S1(E)



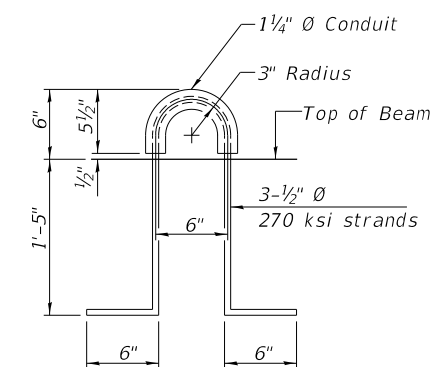
BAR S3(E)



BAR U(E)



BAR U1(E)



LIFTING LOOP DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,080

PD-2148-RD 2-17-2017

USER NAME =	DESIGNED - STM	REVISED -
	DRAWN - STM	REVISED -
PLOT SCALE =	CHECKED - CTM	REVISED -
PLOT DATE =	DATE - 11/26/2019	REVISED -

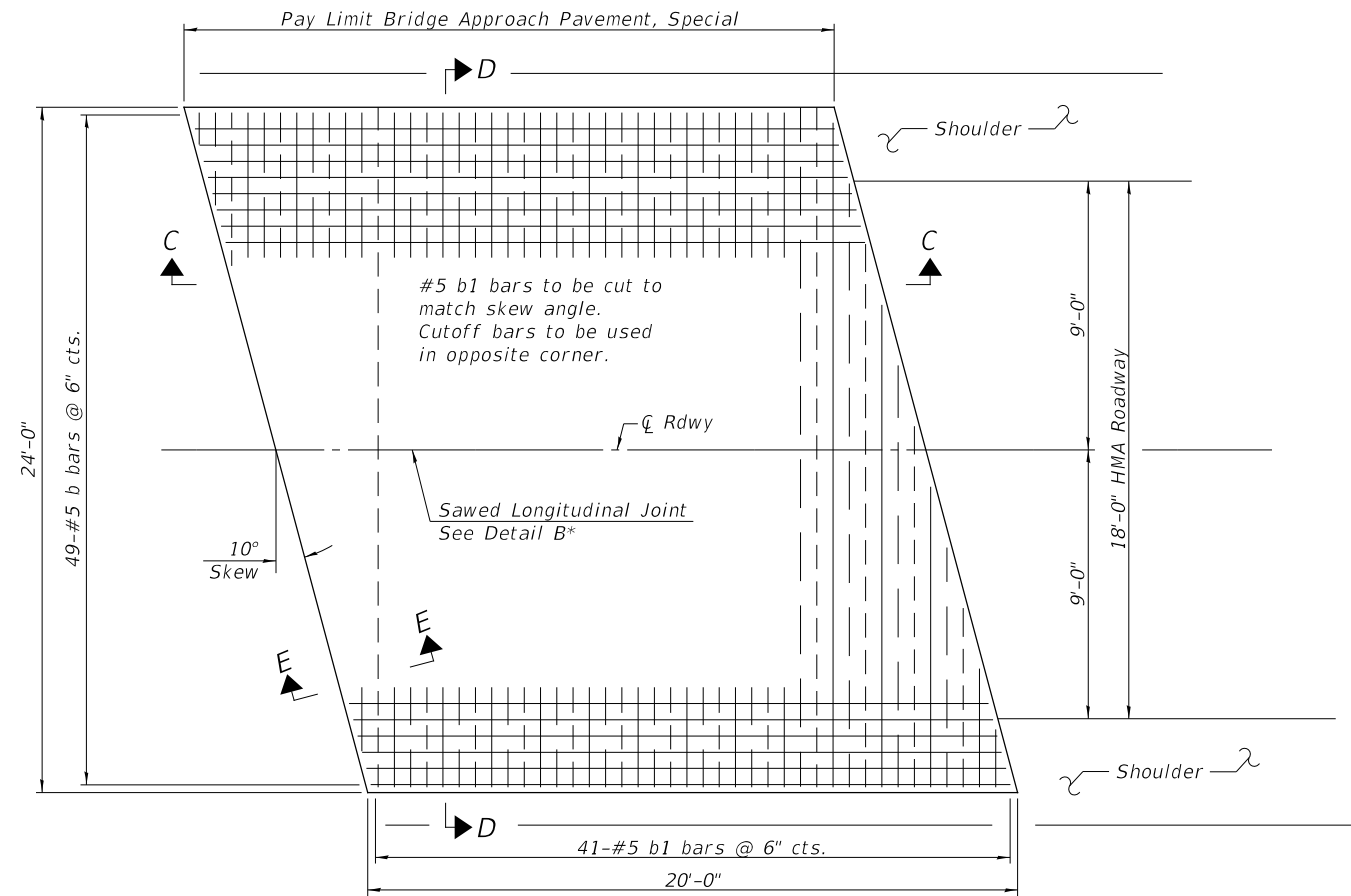
**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**21" x 48" PPC DECK BEAM DETAILS
STRUCTURE NO. 001-3435**

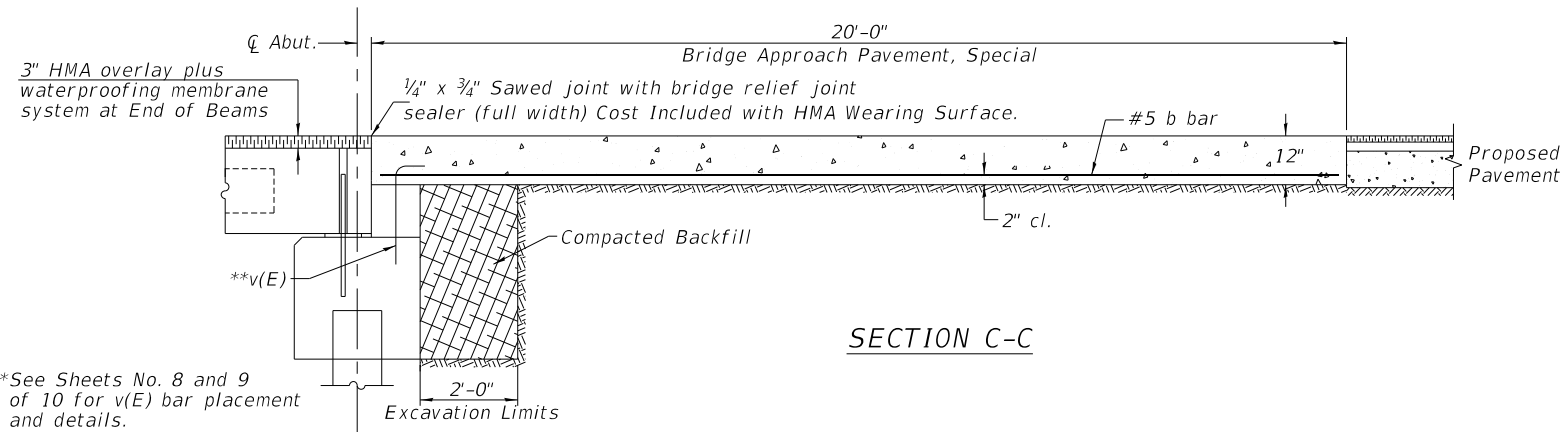
SCALE: NONE SHEET 5 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	11

CONTRACT NO. 93743

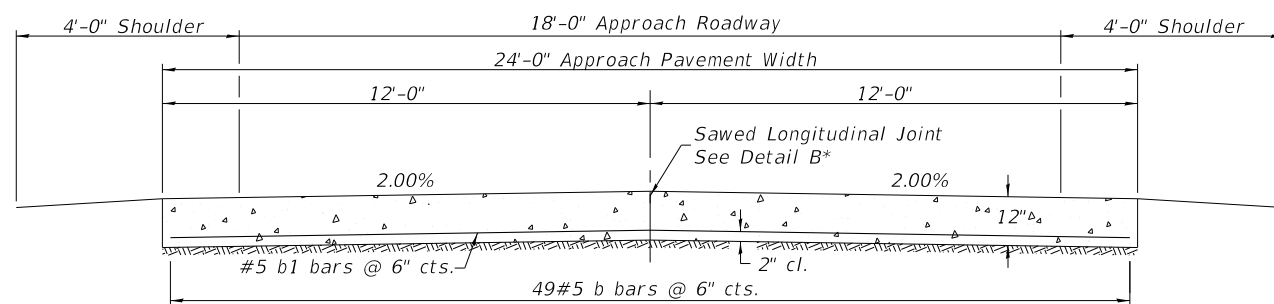


PLAN



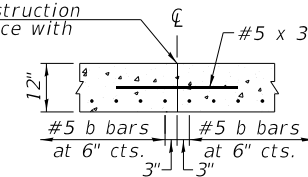
SECTION C-C

**See Sheets No. 8 and 9 of 10 for v(E) bar placement and details.



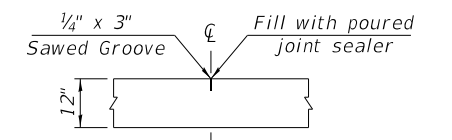
SECTION D-D

Longitudinal Construction Joint in accordance with details shown on Standard 420001



CONSTRUCTION JOINT

As approved by the Engineer, the Contractor may elect to reduce the widths of the placement by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



DETAIL B*

BAR LIST
TWO APPROACHES

(For information only)

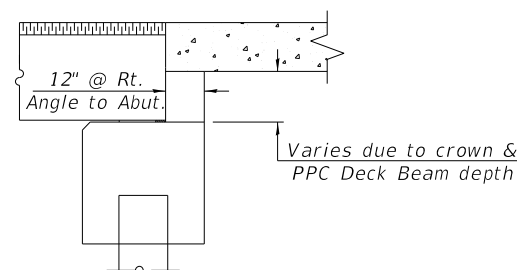
BAR	NO.	SIZE	LENGTH	SHAPE
b	98	#5	19'-8"	—
b1	82	#5	23'-8"	—
Reinforcement Bars			POUNDS	4,030
Class BD Concrete			CU YD	35.6

DESIGN STRESSES

$f'_c = 4,000$ p.s.i.
 $f_y = 60,000$ p.s.i.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Approach Pavement, Special	SQ YD	107



SECTION E-E

(Dimensions are at right angles to abutment)

USER NAME =	DESIGNED - STM	REVISED -
	DRAWN - STM	REVISED -
PLOT SCALE =	CHECKED - CTM	REVISED -
PLOT DATE =	DATE - 11/26/2019	REVISED -

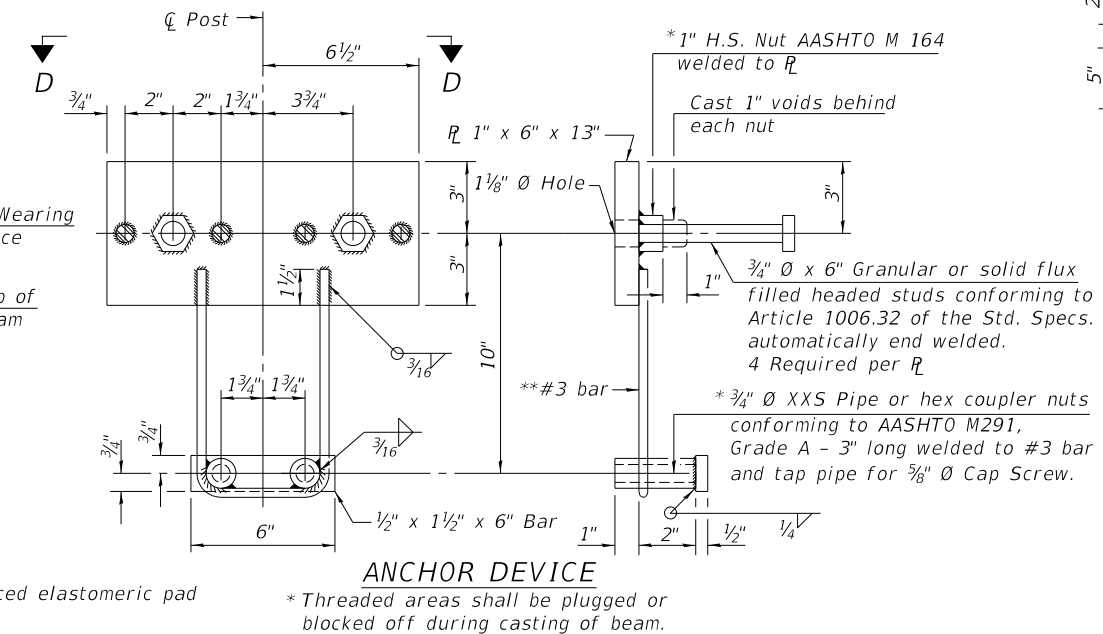
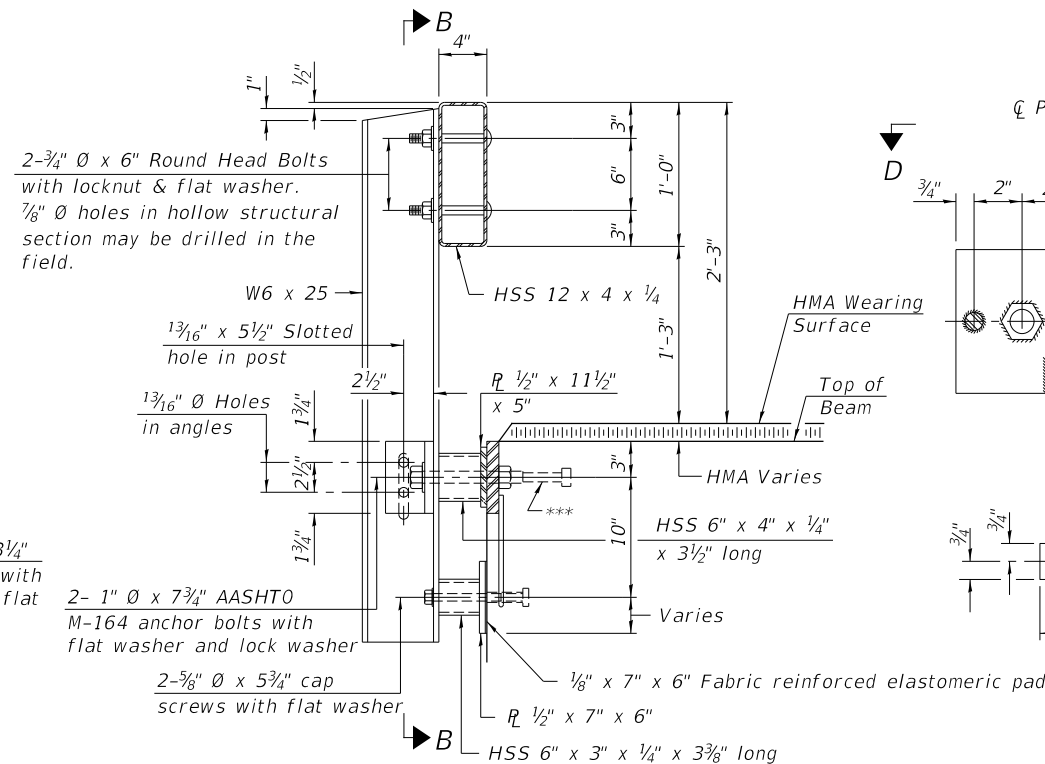
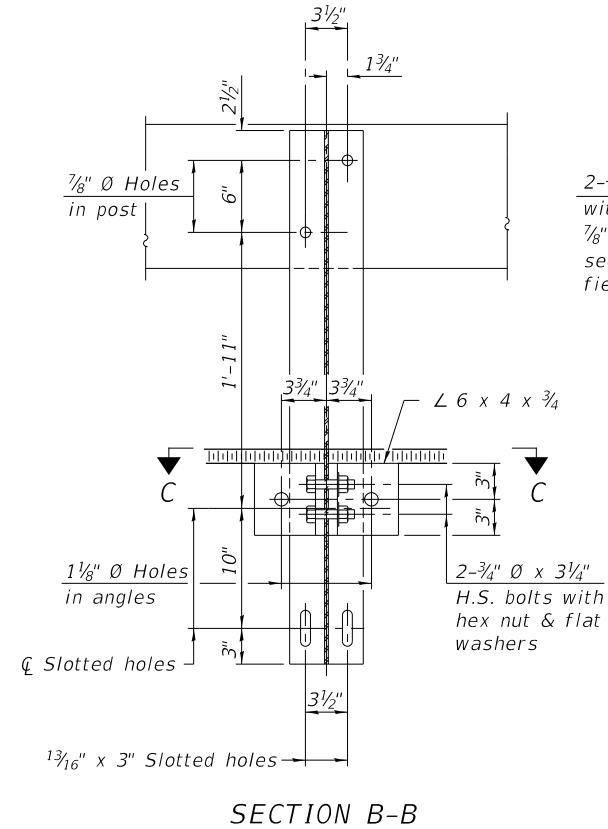
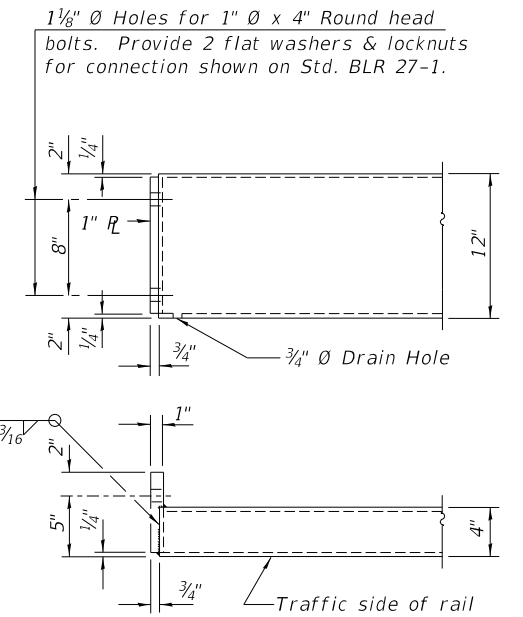
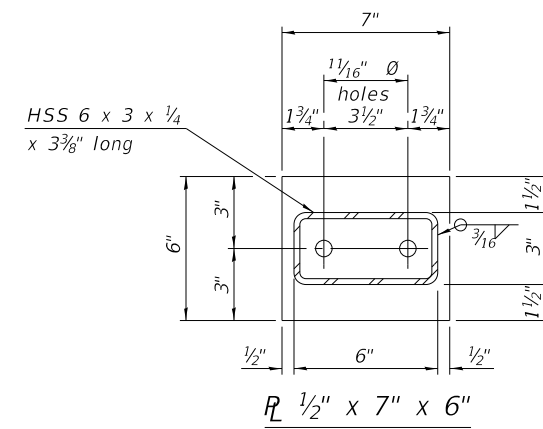
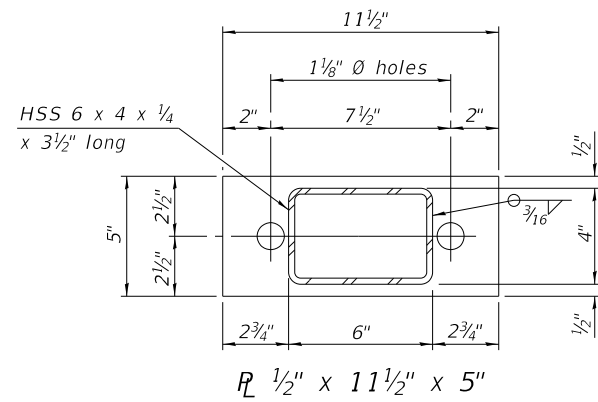
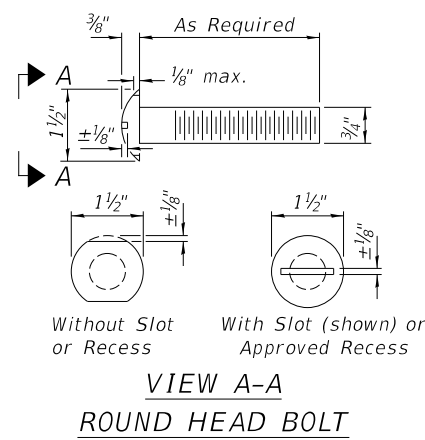
ADAMS COUNTY
HIGHWAY DEPARTMENT

BRIDGE APPROACH PAVEMENT, SPECIAL
STRUCTURE NO. 001-3435

SCALE: NONE SHEET 6 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	12

CONTRACT NO. 93743

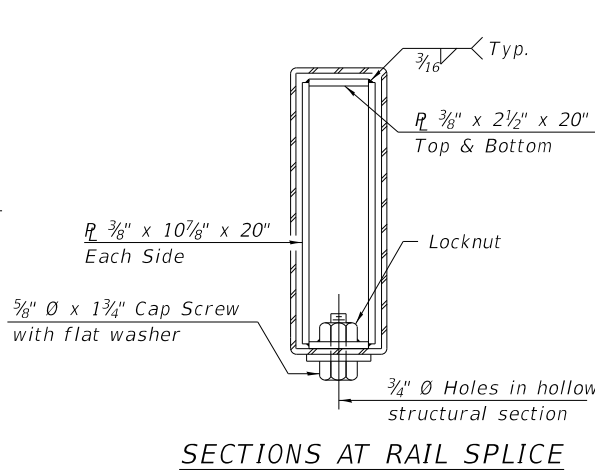
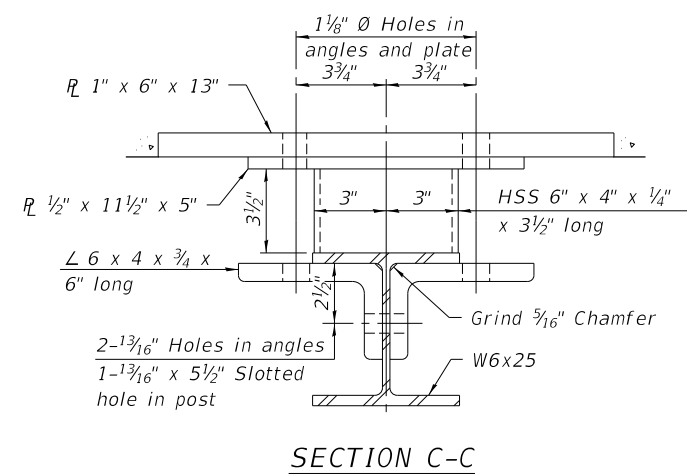


END OF RAIL DETAILS

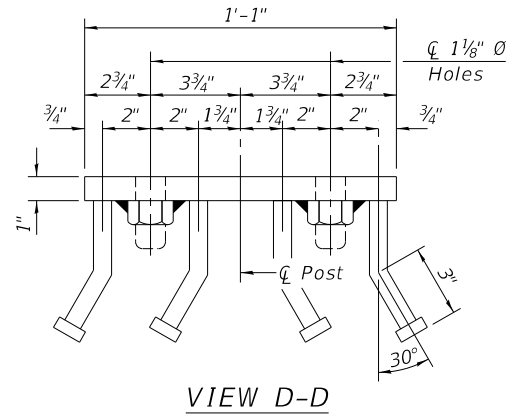
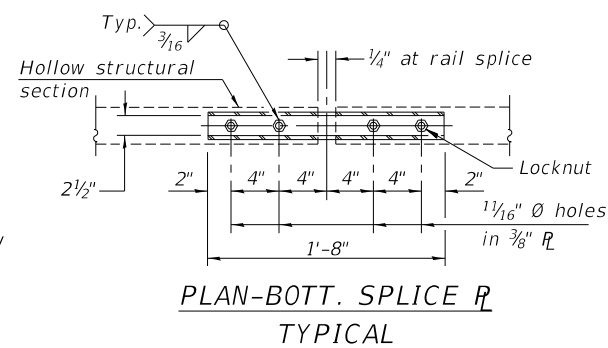
NOTES

All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

***The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



**Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Steel Railing, Type S1	FOOT	94

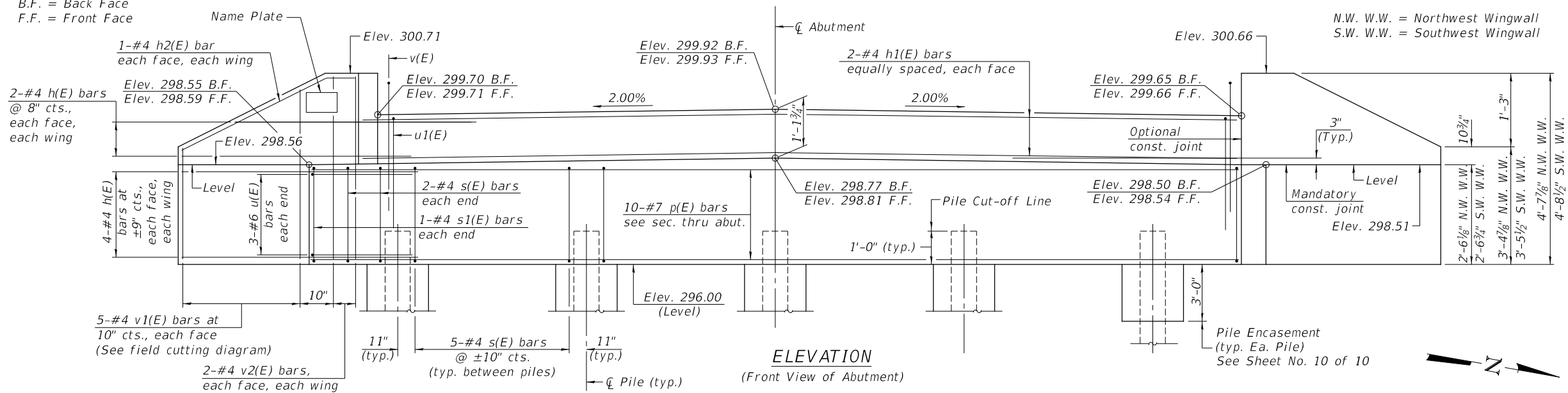
USER NAME =	DESIGNED - STM	REVISED -
DRAWN - STM	CHECKED - CTM	REVISED -
PLOT SCALE =	DATE - 11/26/2019	REVISED -
PLOT DATE =		

ADAMS COUNTY
HIGHWAY DEPARTMENT

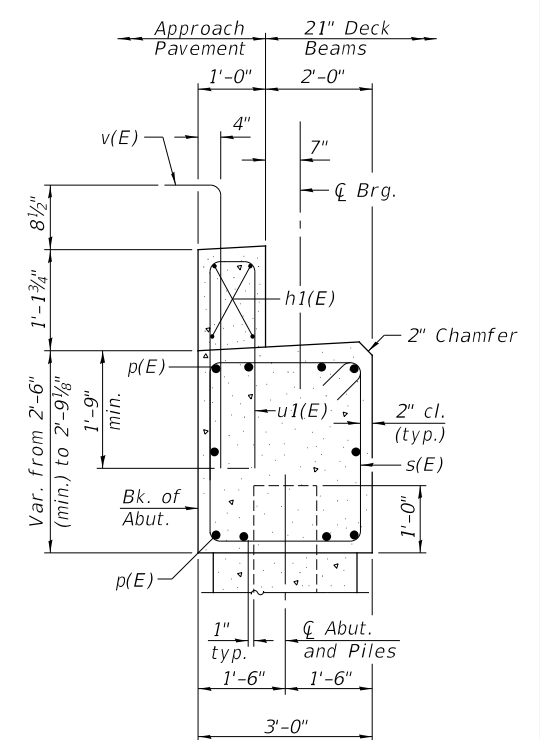
STEEL RAILING, TYPE S1
STRUCTURE NO. 001-3435

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	13

B.F. = Back Face
F.F. = Front Face

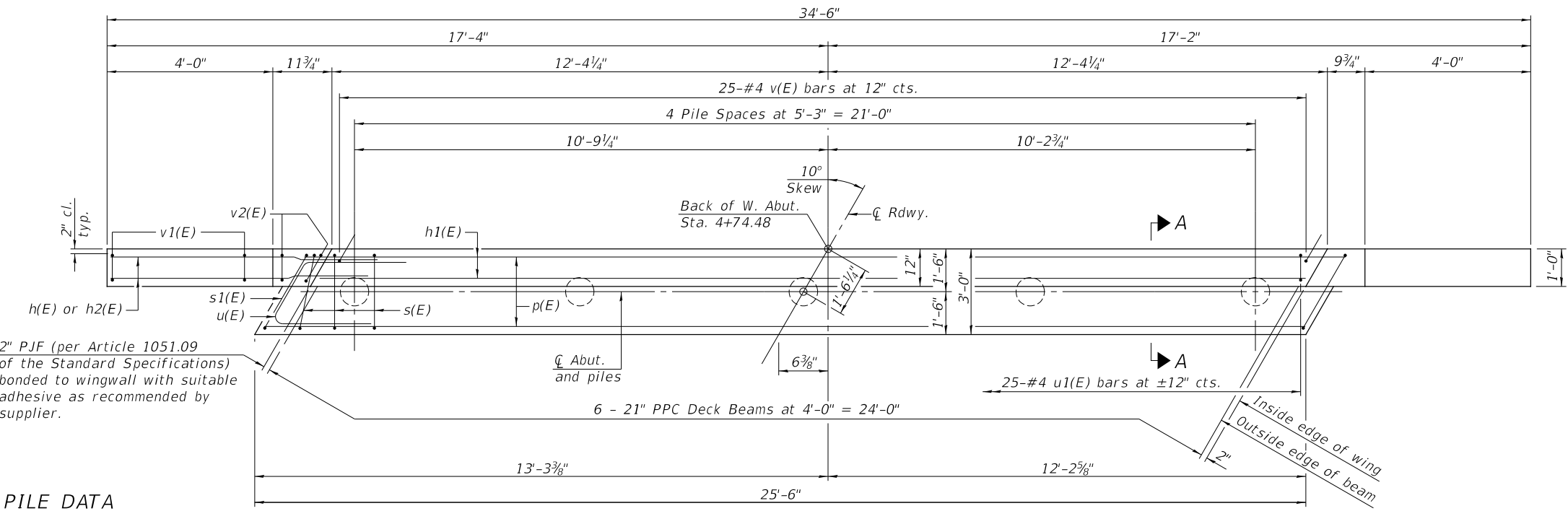


ELEVATION
(Front View of Abutment)



SECTION A-A
(Dimensions are at right angles to abutment)
WEST ABUTMENT
BILL OF MATERIAL

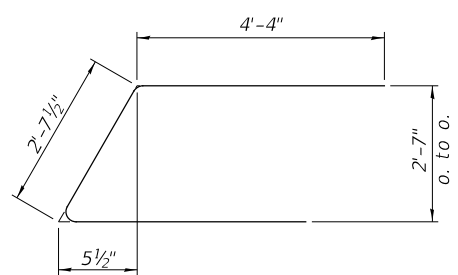
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	24	#4	6'-6"	—
h1(E)	4	#4	24'-1"	—
h2(E)	4	#4	4'-10"	—
p(E)	10	#7	25'-3"	—
s(E)	24	#4	10'-5"	□
s1(E)	2	#4	10'-7"	□
u(E)	6	#6	11'-4"	└
u1(E)	25	#4	6'-2"	—
v(E)	25	#4	4'-6"	┌
v1(E)	10	#4	7'-5"	—
v2(E)	8	#4	4'-4"	—
Concrete Structures		CU YD	9.7	
Concrete Encasement		CU YD	1.3	
Reinforcement Bars, Epoxy Coated		POUND	1,230	
Furnishing Metal Shell Piles 12"x0.250"		FOOT	260	
Driving Piles		FOOT	260	
Test Pile Metal Shells		EACH	1	
Name Plates		EACH	1	



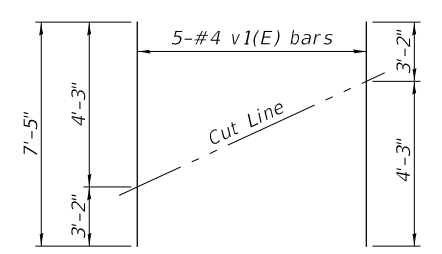
PLAN

PILE DATA

Type: Metal Shell 12"x0.250" walls
Nominal Required Bearing: 200 kips
Factored Resistance Available: 110 kips
Est. Length: 65'
No. Production Piles: 4
No. Test Piles: 1

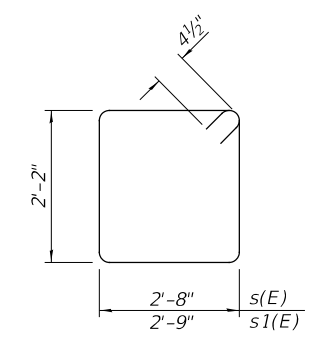


BAR u(E)

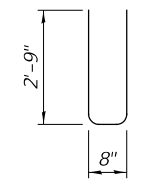


FIELD CUTTING DIAGRAM

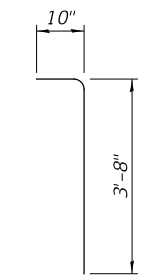
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



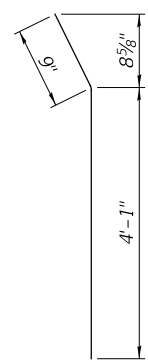
BARS s(E) & s1(E)



BAR u1(E)



BAR v(E)



BAR h2(E)

Notes:
For details of piles and Concrete Encasement, see Sheet No. 10 of 10.
Cast backwall and tops of wingwalls after beams have been erected.
All edges shall have standard 3/4" chamfer.

USER NAME =	DESIGNED - STM	REVISED -
DRAWN - STM	CHECKED - CTM	REVISED -
PLOT SCALE =	DATE - 11/26/2019	REVISED -
PLOT DATE =		

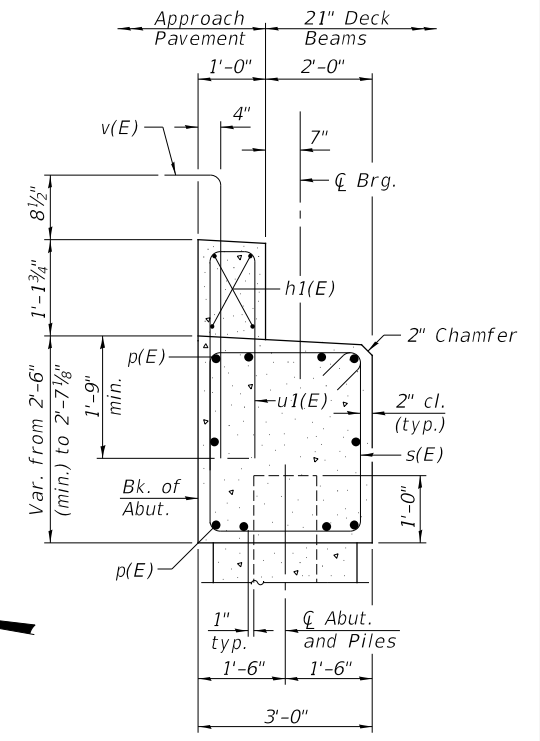
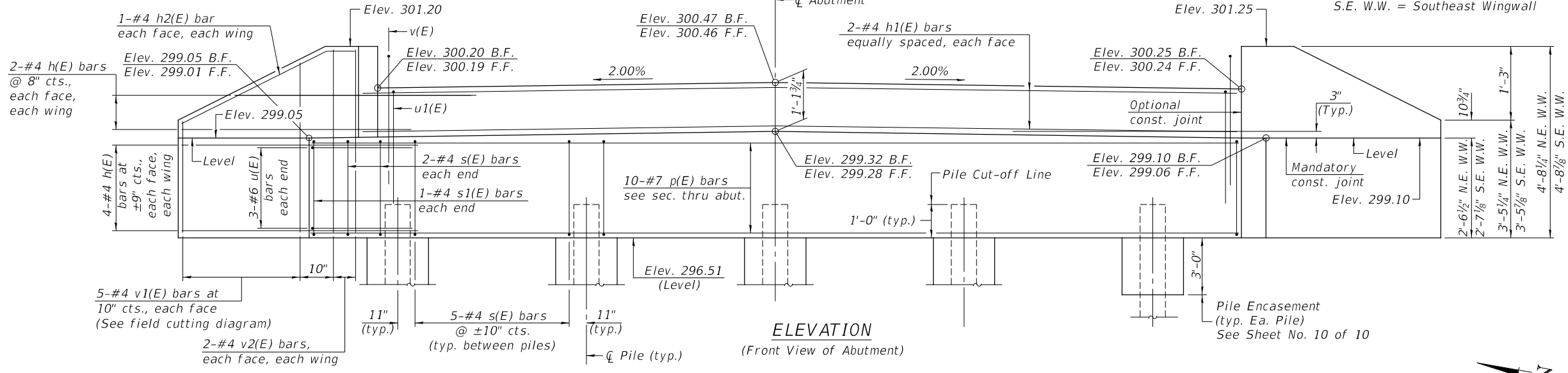
ADAMS COUNTY
HIGHWAY DEPARTMENT

WEST ABUTMENT
STRUCTURE NO. 001-3435

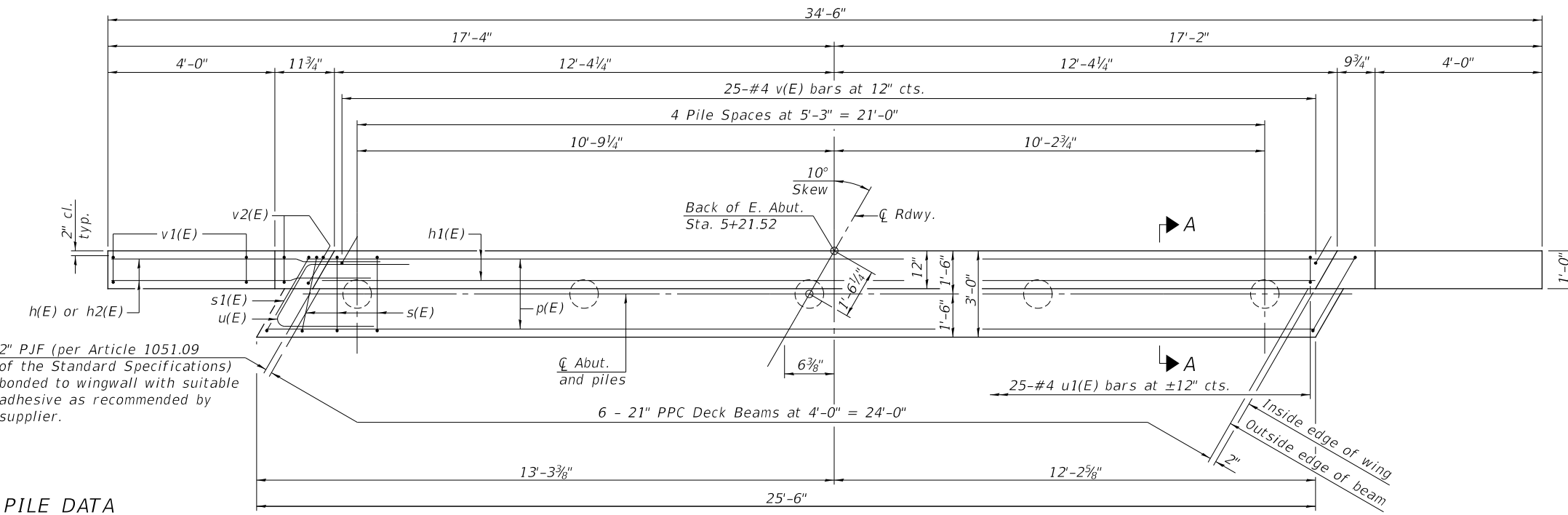
COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	14
SCALE: NONE			SHEET 8 OF 10 SHEETS	
STA. -- TO STA. --			CONTRACT NO. 93743	

B.F. = Back Face
F.F. = Front Face

N.E. W.W. = Northeast Wingwall
S.E. W.W. = Southeast Wingwall



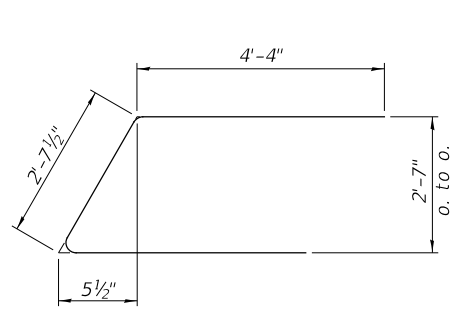
SECTION A-A
(Dimensions are at right angles to abutment)



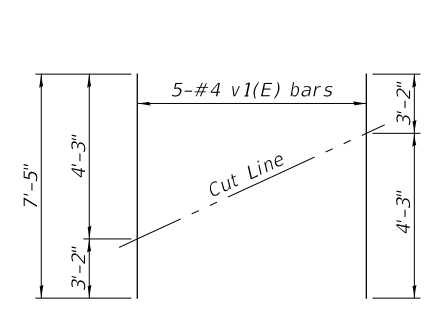
PLAN

PILE DATA

Type: Metal Shell 12"x0.250" walls
Nominal Required Bearing: 200 kips
Factored Resistance Available: 110 kips
Est. Length: 65'
No. Production Piles: 4
No. Test Piles: 1

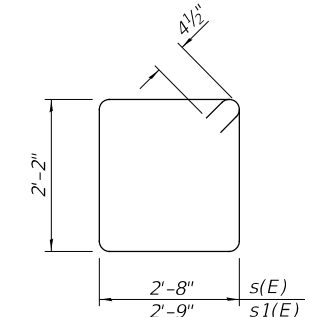


BAR u(E)

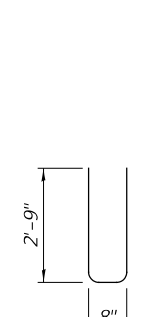


FIELD CUTTING DIAGRAM

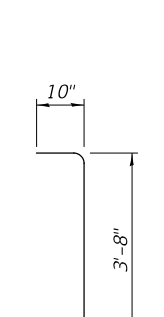
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



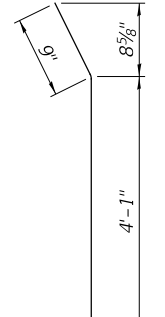
BARS s(E) & s1(E)



BAR u1(E)



BAR v(E)



BAR h2(E)

**EAST ABUTMENT
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	24	#4	6'-6"	—
h1(E)	4	#4	24'-1"	—
h2(E)	4	#4	4'-10"	—
p(E)	10	#7	25'-3"	—
s(E)	24	#4	10'-5"	□
s1(E)	2	#4	10'-7"	□
u(E)	6	#6	11'-4"	└
u1(E)	25	#4	6'-2"	└
v(E)	25	#4	4'-6"	└
v1(E)	10	#4	7'-5"	—
v2(E)	8	#4	4'-4"	—
			Concrete Structures	CU YD 9.7
			Concrete Encasement	CU YD 1.3
			Reinforcement Bars, Epoxy Coated	POUND 1,230
			Furnishing Metal Shell Piles 12"x0.250"	FOOT 260
			Driving Piles	FOOT 260
			Test Pile Metal Shells	EACH 1

Notes:
For details of piles and Concrete Encasement, see Sheet No. 10 of 10.
Cast backwall and tops of wingwalls after beams have been erected.
All edges shall have standard 3/4" chamfer.

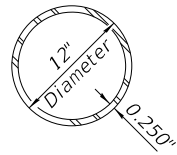
USER NAME =	DESIGNED - STM	REVISED -
DRAWN - STM	REVISED -	
PLOT SCALE =	CHECKED - CTM	REVISED -
PLOT DATE =	DATE - 11/26/2019	REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**EAST ABUTMENT
STRUCTURE NO. 001-3435**

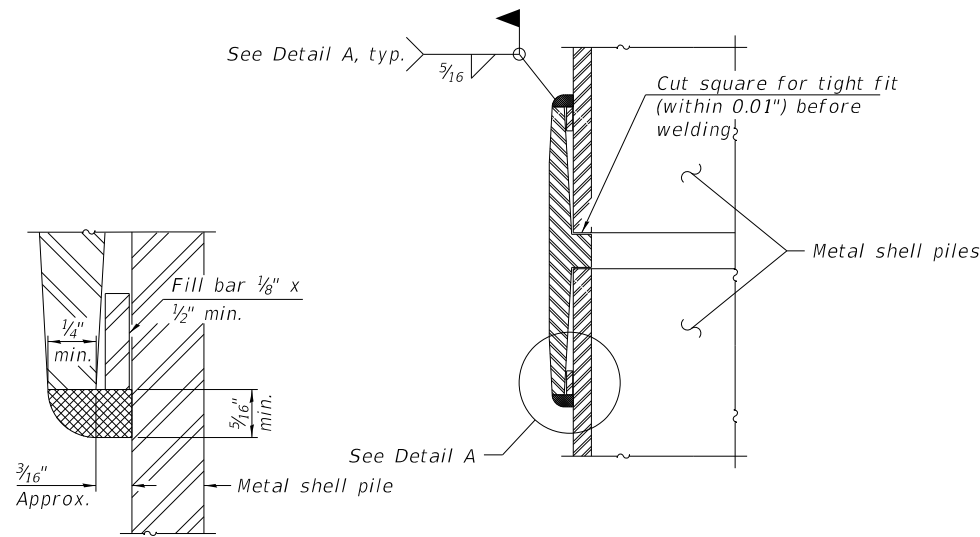
SCALE: NONE SHEET 9 OF 10 SHEETS STA. -- TO STA. --

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	15
			CONTRACT NO. 93743	

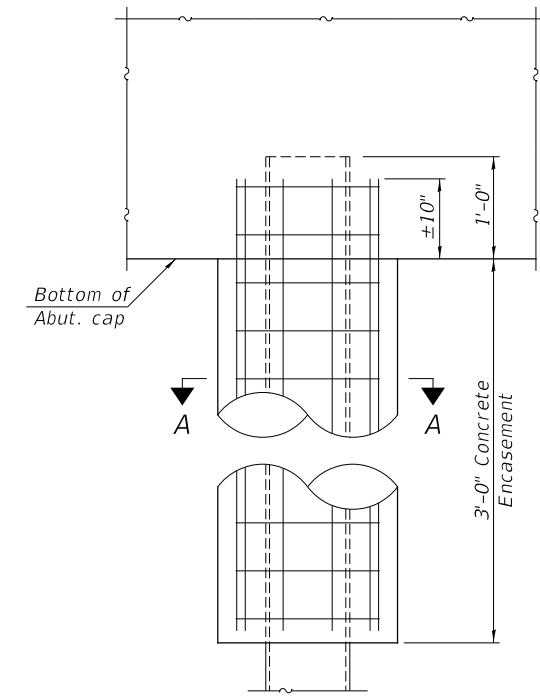


METAL SHELL PILE TABLE

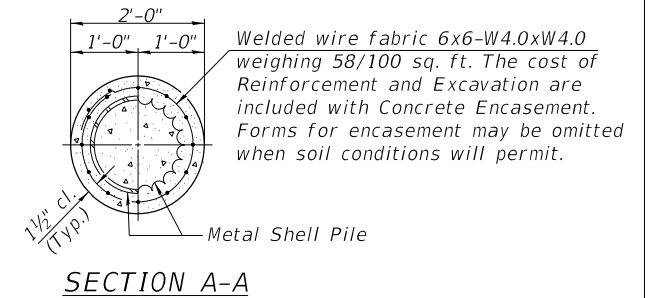
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



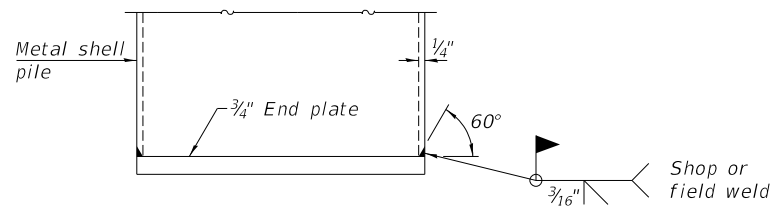
DETAIL A



ELEVATION



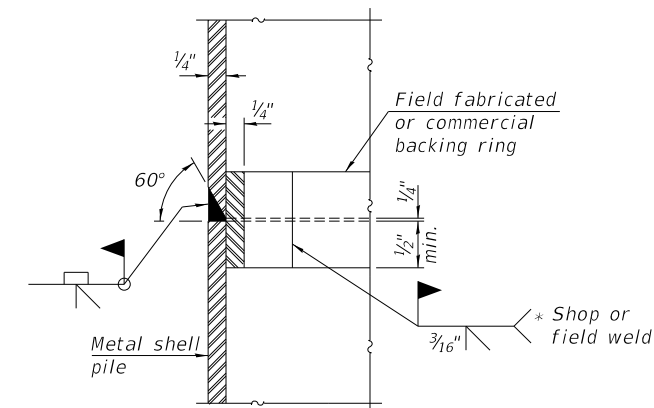
DETAIL OF METAL SHELL PILE ENCASEMENT AT ABUTMENTS



END PLATE ATTACHMENT

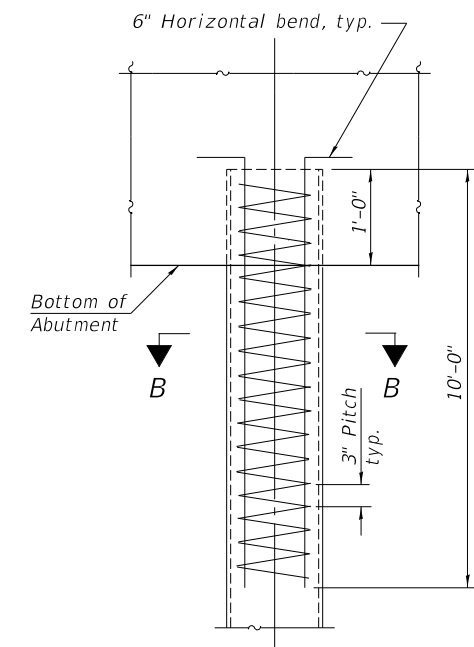
WELDED COMMERCIAL SPLICE

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.

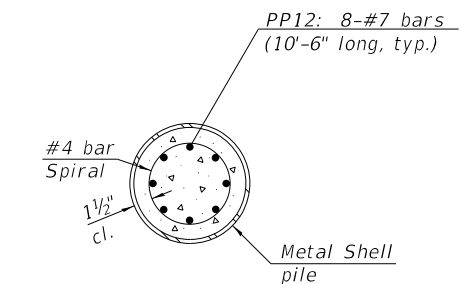


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



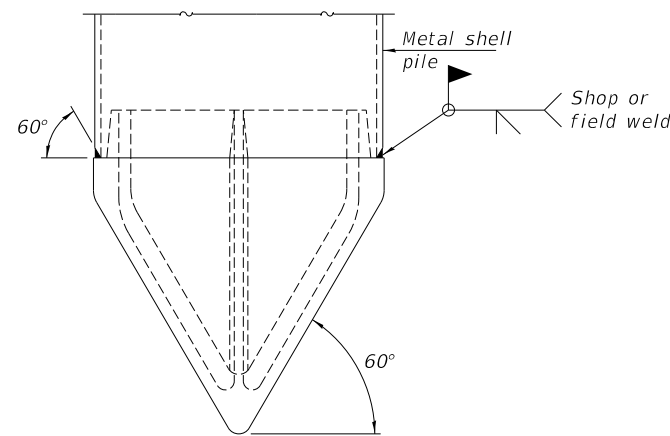
ELEVATION



SECTION B-B

The cost of Reinforcement is included with Furnishing Metal Shell Piles 12"x0.250"

REINFORCEMENT AT ABUTMENTS



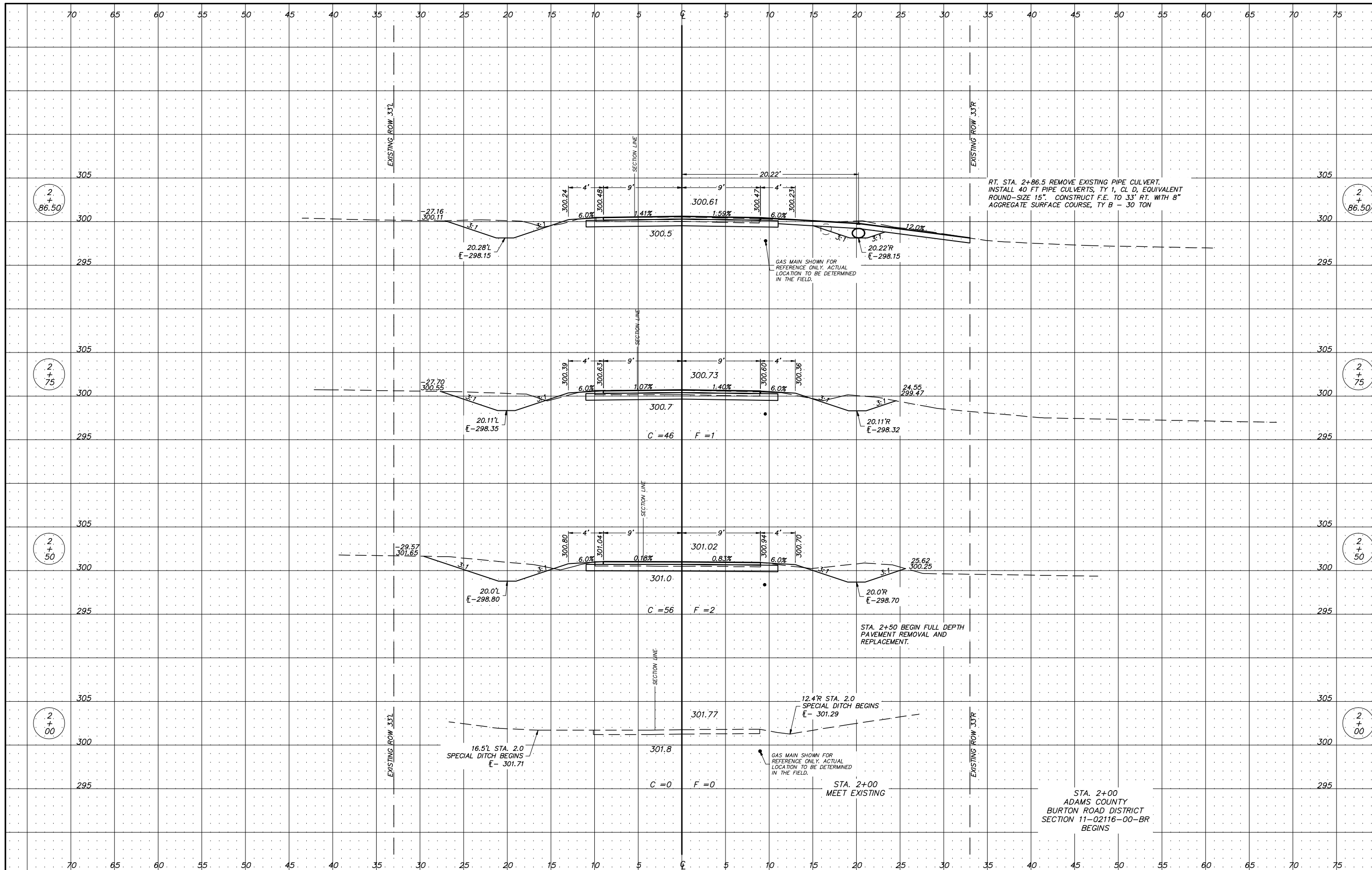
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

Note:
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS 8-11-2017

USER NAME =	DESIGNED - STM	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	METAL SHELL PILE DETAILS STRUCTURE NO. 001-3435	COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
DRAWN - STM	REVISED -	ADAMS			BURTON	11-02116-00-BR	28	16	
PLOT SCALE =	CHECKED - CTM	REVISED -							
PLOT DATE =	DATE - 11/26/2019	REVISED -							CONTRACT NO. 93743
			SCALE: NONE	SHEET 10 OF 10 SHEETS	STA. -- TO STA. --				



RT. STA. 2+86.5 REMOVE EXISTING PIPE CULVERT.
 INSTALL 40 FT PIPE CULVERTS, TY 1, CL D, EQUIVALENT
 ROUND-SIZE 15". CONSTRUCT F.E. TO 33" RT. WITH 8"
 AGGREGATE SURFACE COURSE, TY B - 30 TON

GAS MAIN SHOWN FOR
 REFERENCE ONLY. ACTUAL
 LOCATION TO BE DETERMINED
 IN THE FIELD.

STA. 2+50 BEGIN FULL DEPTH
 PAVEMENT REMOVAL AND
 REPLACEMENT.

12.4'R STA. 2.0
 SPECIAL DITCH BEGINS
 E- 301.29

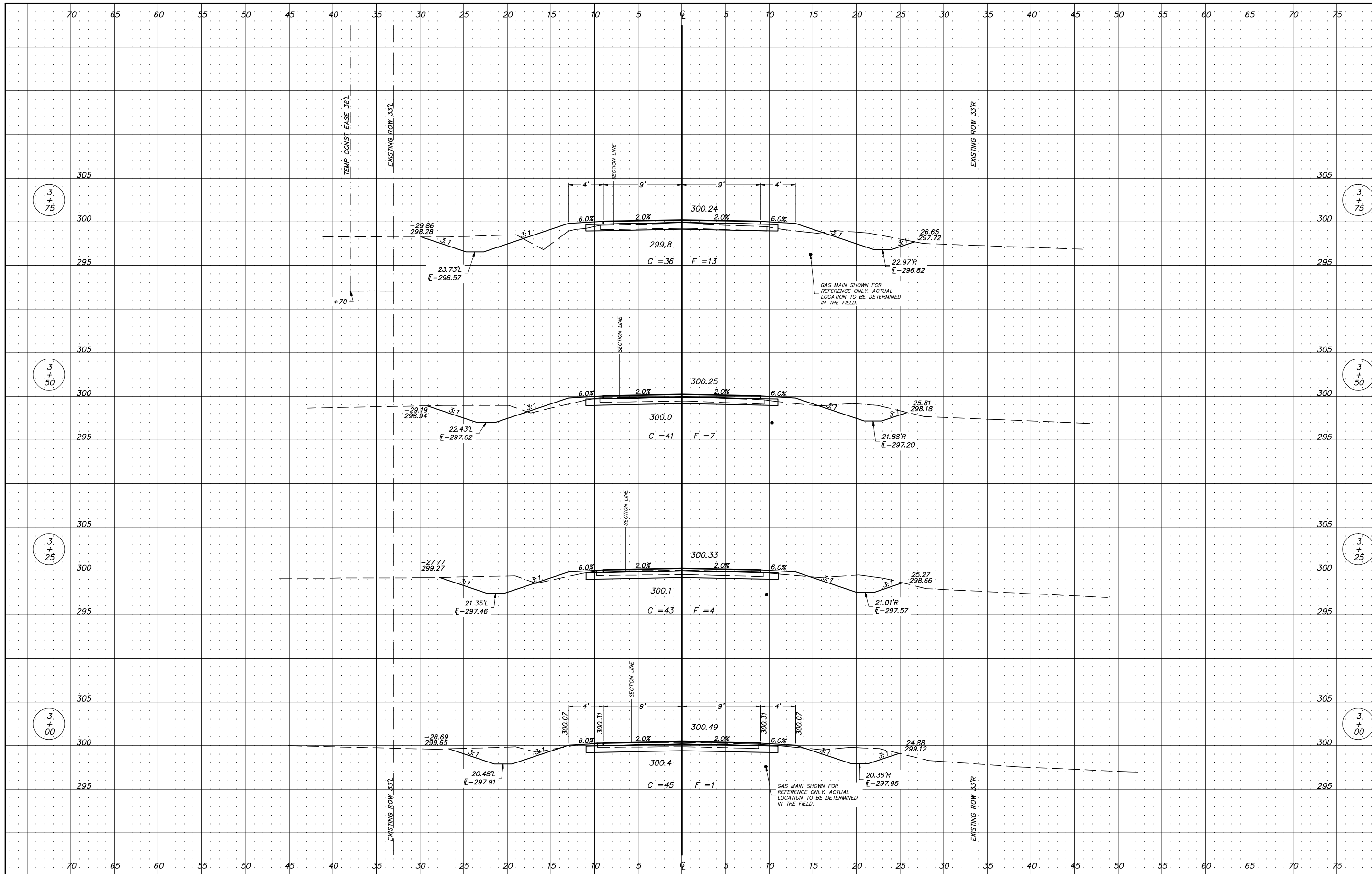
16.5'L STA. 2.0
 SPECIAL DITCH BEGINS
 E- 301.71

GAS MAIN SHOWN FOR
 REFERENCE ONLY. ACTUAL
 LOCATION TO BE DETERMINED
 IN THE FIELD.

STA. 2+00
 MEET EXISTING

STA. 2+00
 ADAMS COUNTY
 BURTON ROAD DISTRICT
 SECTION 11-02116-00-BR
 BEGINS

USER NAME =	DESIGNED -	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS TR 419 (NORTH 900th AVE.)		COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5	DRAWN -	REVISED -		ADAMS	BURTON	11-02116-00-BR	28	17		
PLOT DATE =	CHECKED -	REVISED -		SCALE 1" = 5'		SHEET 1 OF 9 SHEETS		STA. 2.0 TO STA. 2+86.5		CONTRACT NO. 94743
	DATE -	REVISED -								



USER NAME =
 PLOT SCALE = 1:5
 PLOT DATE =

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

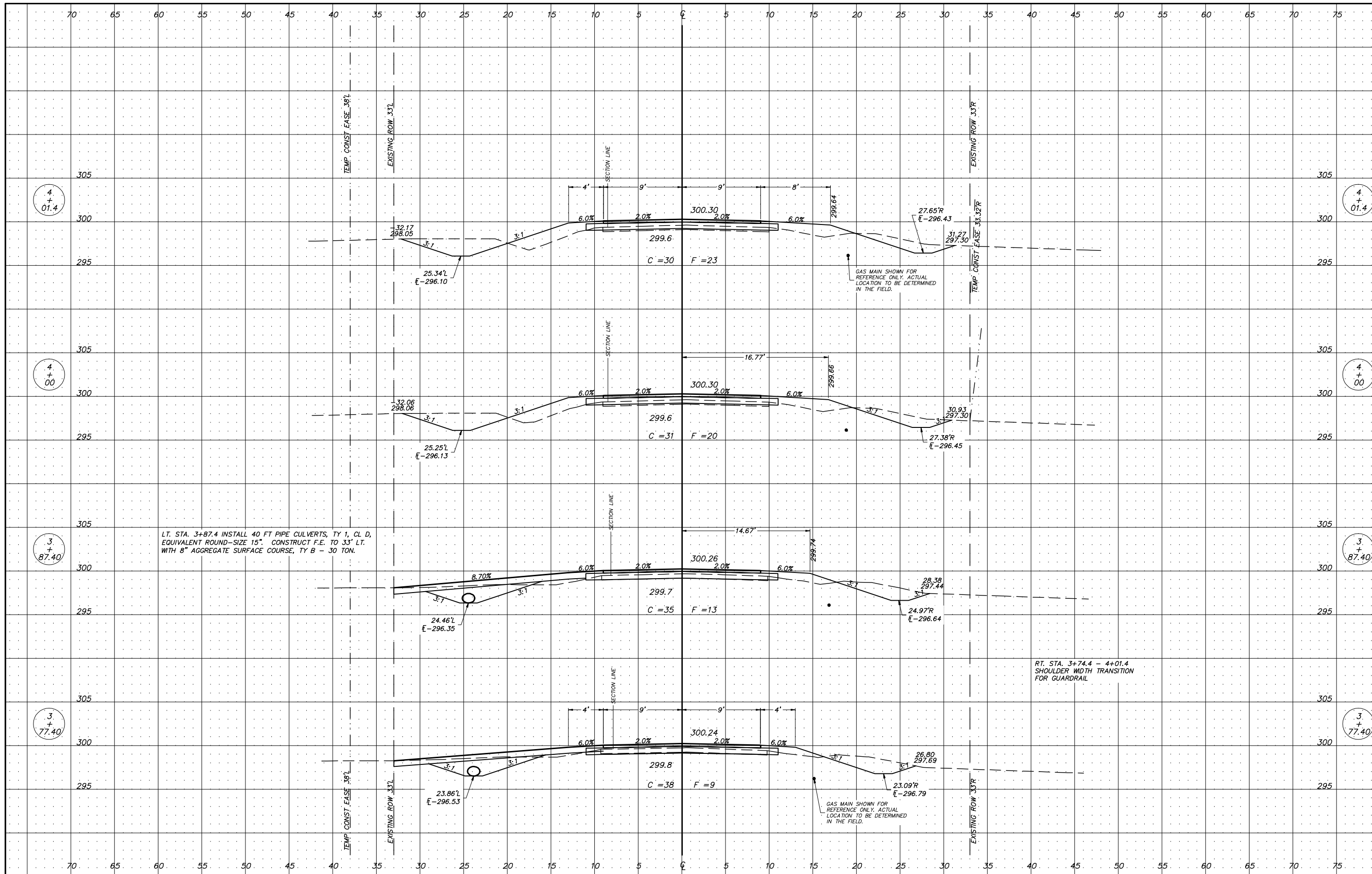
**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 TR 419 (NORTH 900th AVE.)**

SCALE 1" = 5' SHEET 2 OF 9 SHEETS STA. 3+00 TO STA. 3+75

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	18

CONTRACT NO. 94743



USER NAME =
 PLOT SCALE = 1:5
 PLOT DATE =

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

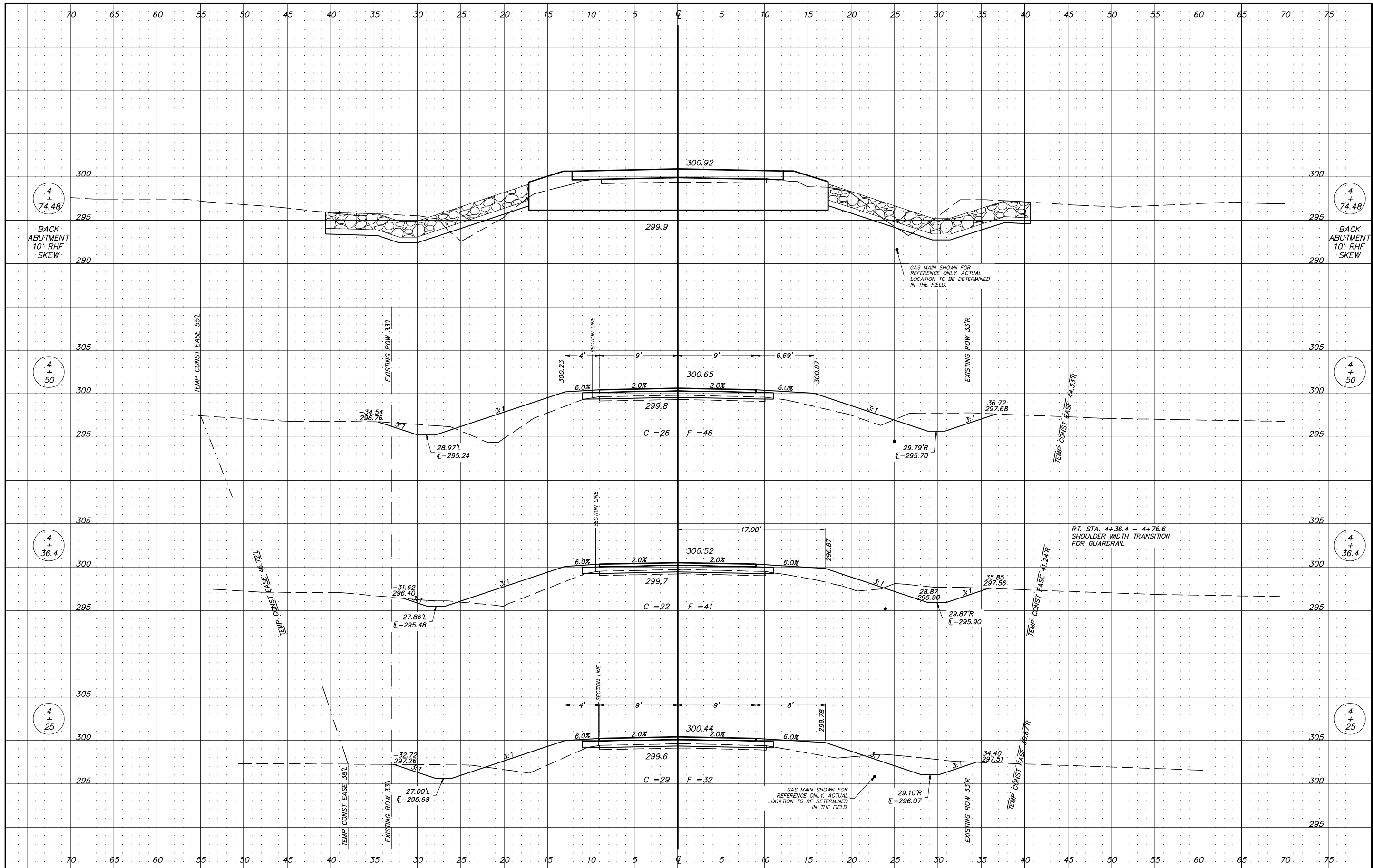
REVISED -
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 REVISED -

**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

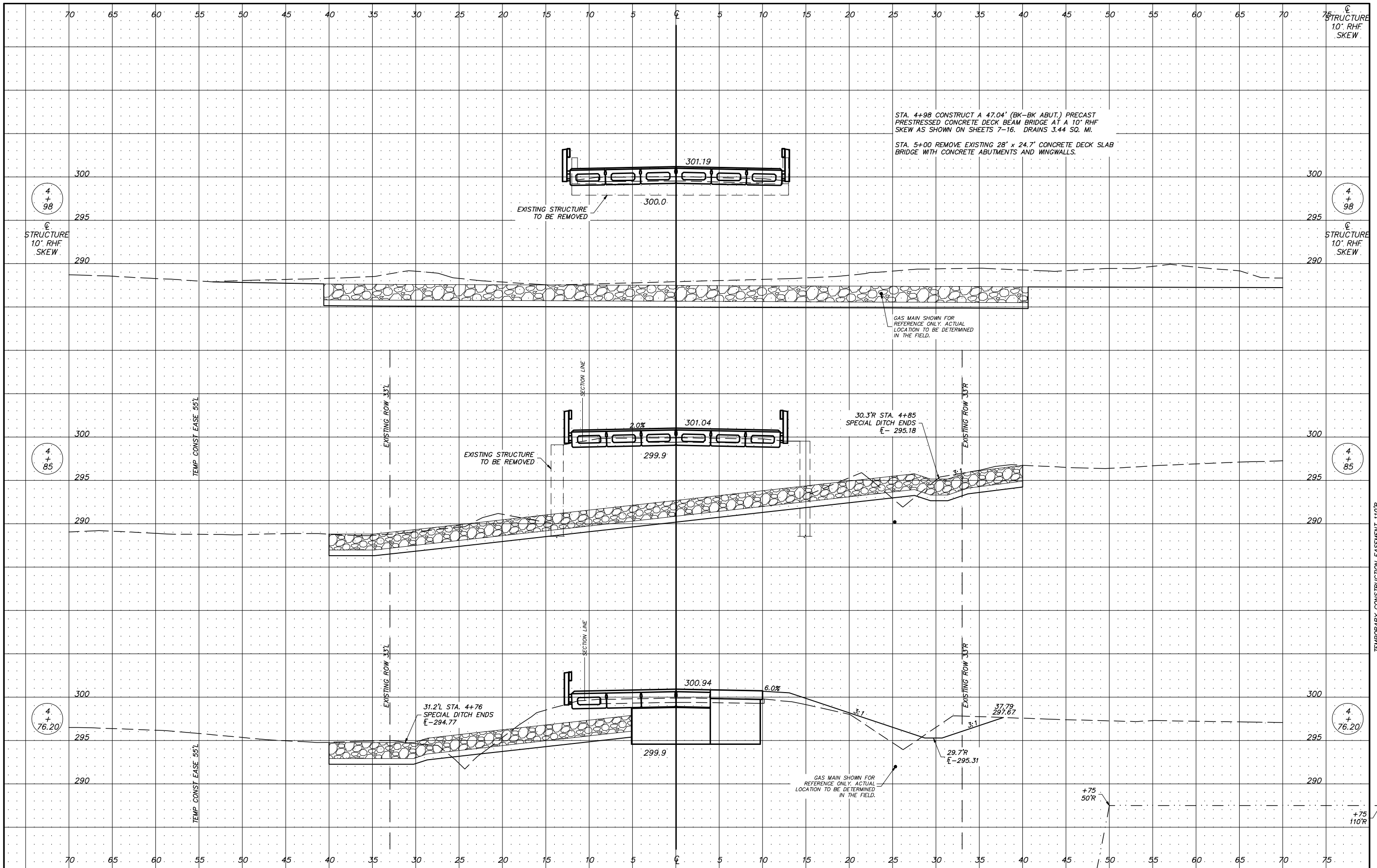
**CROSS SECTIONS
 TR 419 (NORTH 900th AVE.)**

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	19

SCALE 1" = 5' SHEET 3 OF 9 SHEETS STA. 3+78.4 TO STA. 4+02.4 CONTRACT NO. 94743



USER NAME =	DESIGNED -	REVISED -	ADAMS COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS TR 419 (NORTH 900th AVE.)		COUNTY	RD. DIST.	SECTION	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:5	DRAWN -	REVISED -		ADAMS	BURTON	11-02116-00-BR	28	20		
PLOT DATE =	CHECKED -	REVISED -		SCALE 1" = 5'		SHEET 4 OF 9 SHEETS		STA. 4+25 TO STA. 4+74.48		CONTRACT NO. 94743
	DATE -	REVISED -								



STA. 4+98 CONSTRUCT A 47.04' (BK-BK ABUT.) PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE AT A 10' RHF SKEW AS SHOWN ON SHEETS 7-16. DRAINS 3.44 SQ. MI.

STA. 5+00 REMOVE EXISTING 28' x 24.7' CONCRETE DECK SLAB BRIDGE WITH CONCRETE ABUTMENTS AND WINGWALLS.

GAS MAIN SHOWN FOR REFERENCE ONLY. ACTUAL LOCATION TO BE DETERMINED IN THE FIELD.

30.3'R STA. 4+85 SPECIAL DITCH ENDS E-295.18

31.2'L STA. 4+76 SPECIAL DITCH ENDS E-294.77

GAS MAIN SHOWN FOR REFERENCE ONLY. ACTUAL LOCATION TO BE DETERMINED IN THE FIELD.

+75 50'R

+75 110'R

USER NAME =
 PLOT SCALE = 1:5
 PLOT DATE =

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

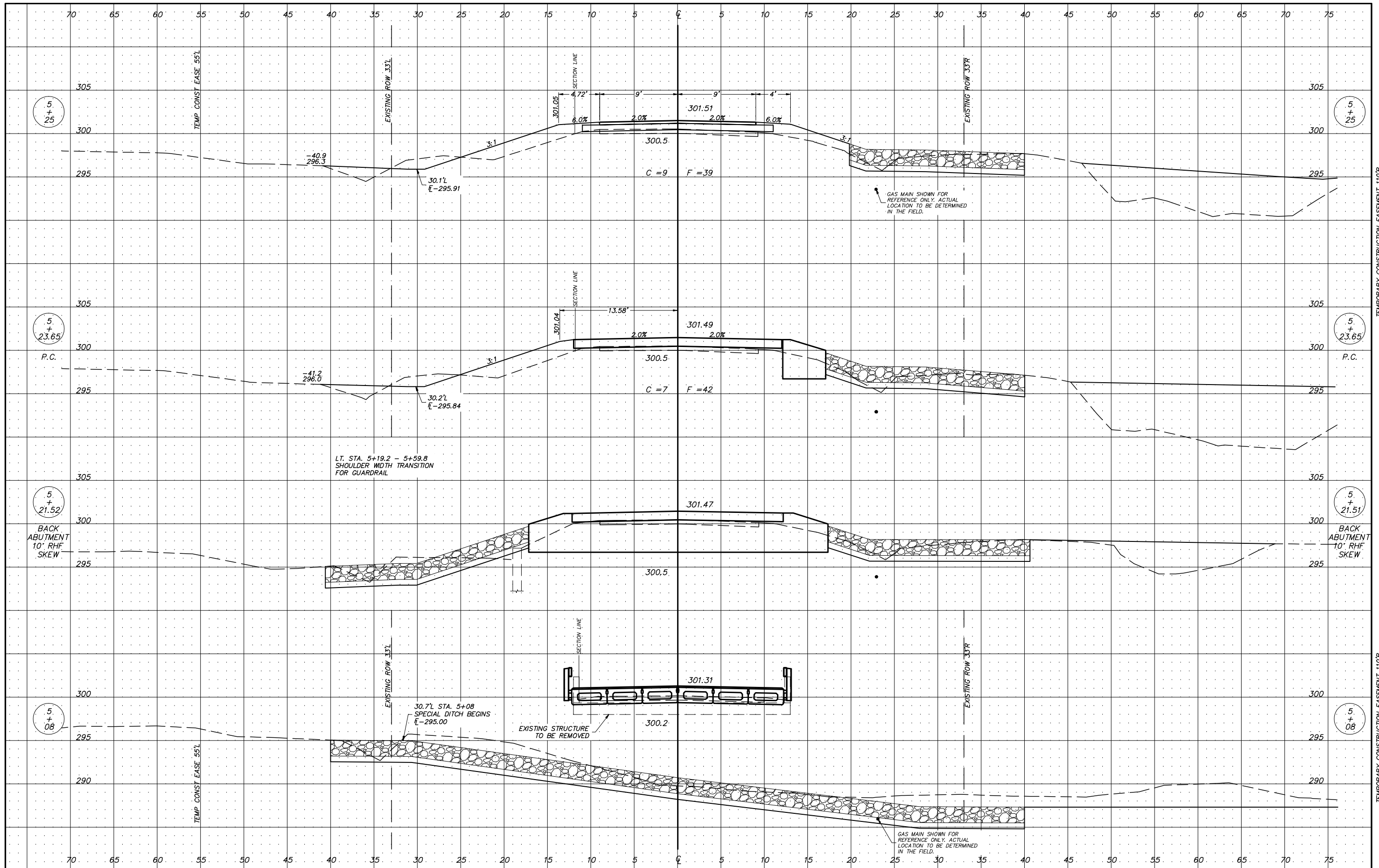
**CROSS SECTIONS
 TR 419 (NORTH 900th AVE.)**

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	21

SCALE 1" = 5' SHEET 5 OF 9 SHEETS STA. 4+76.20 TO STA. 4+98

CONTRACT NO. 94743

TEMPORARY CONSTRUCTION EASEMENT 110'R



LT. STA. 5+19.2 - 5+59.8
SHOULDER WIDTH TRANSITION
FOR GUARDRAIL

30.7'L STA. 5+08
SPECIAL DITCH BEGINS
E-295.00

EXISTING STRUCTURE
TO BE REMOVED

GAS MAIN SHOWN FOR
REFERENCE ONLY. ACTUAL
LOCATION TO BE DETERMINED
IN THE FIELD.

USER NAME =
PLOT SCALE = 1:5
PLOT DATE =

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

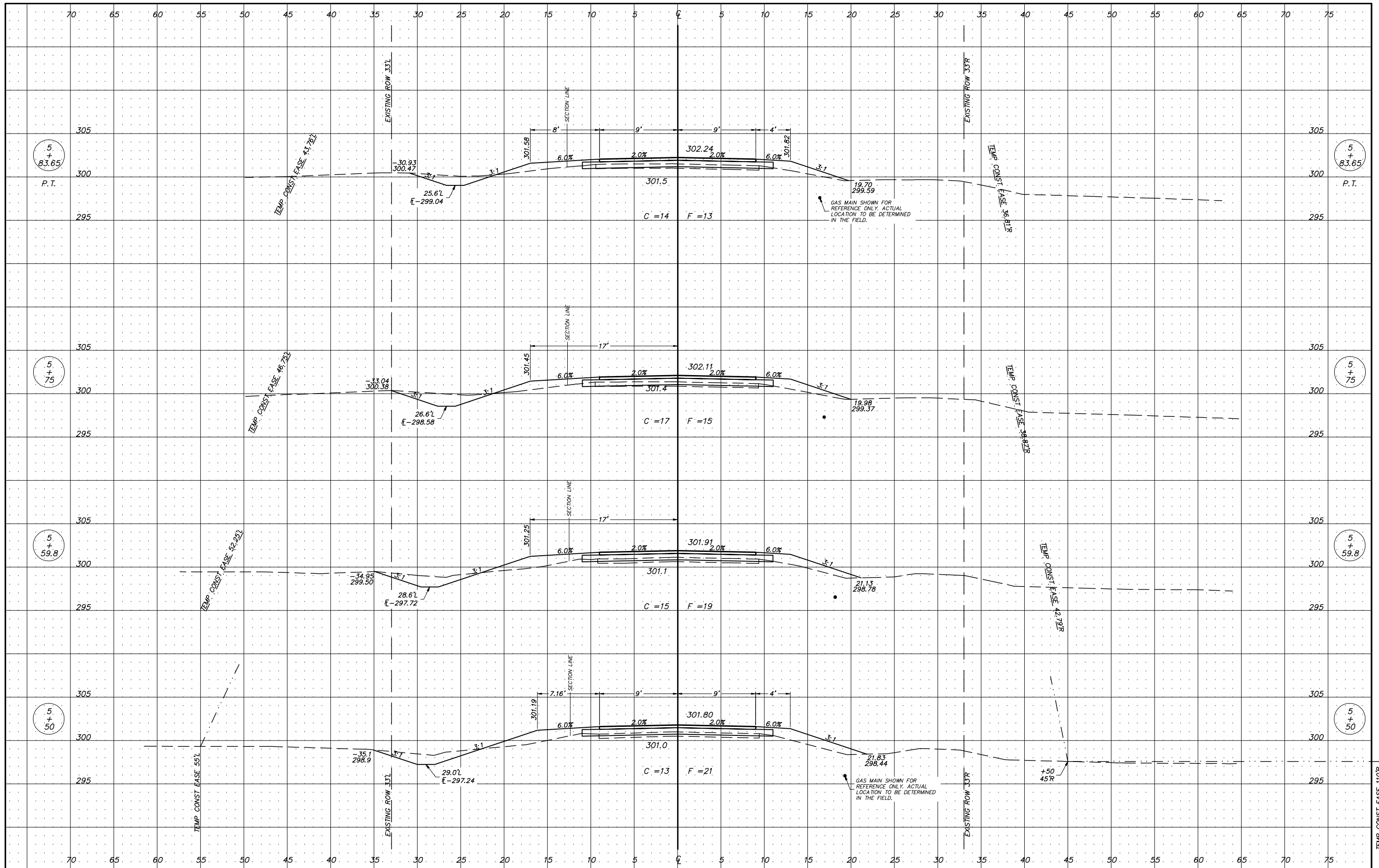
**CROSS SECTIONS
TR 419 (NORTH 900th AVE.)**

SCALE 1" = 5' SHEET 6 OF 9 SHEETS STA. 5+08 TO STA. 5+25

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	22

CONTRACT NO. 94743

TEMPORARY CONSTRUCTION EASEMENT 110'R



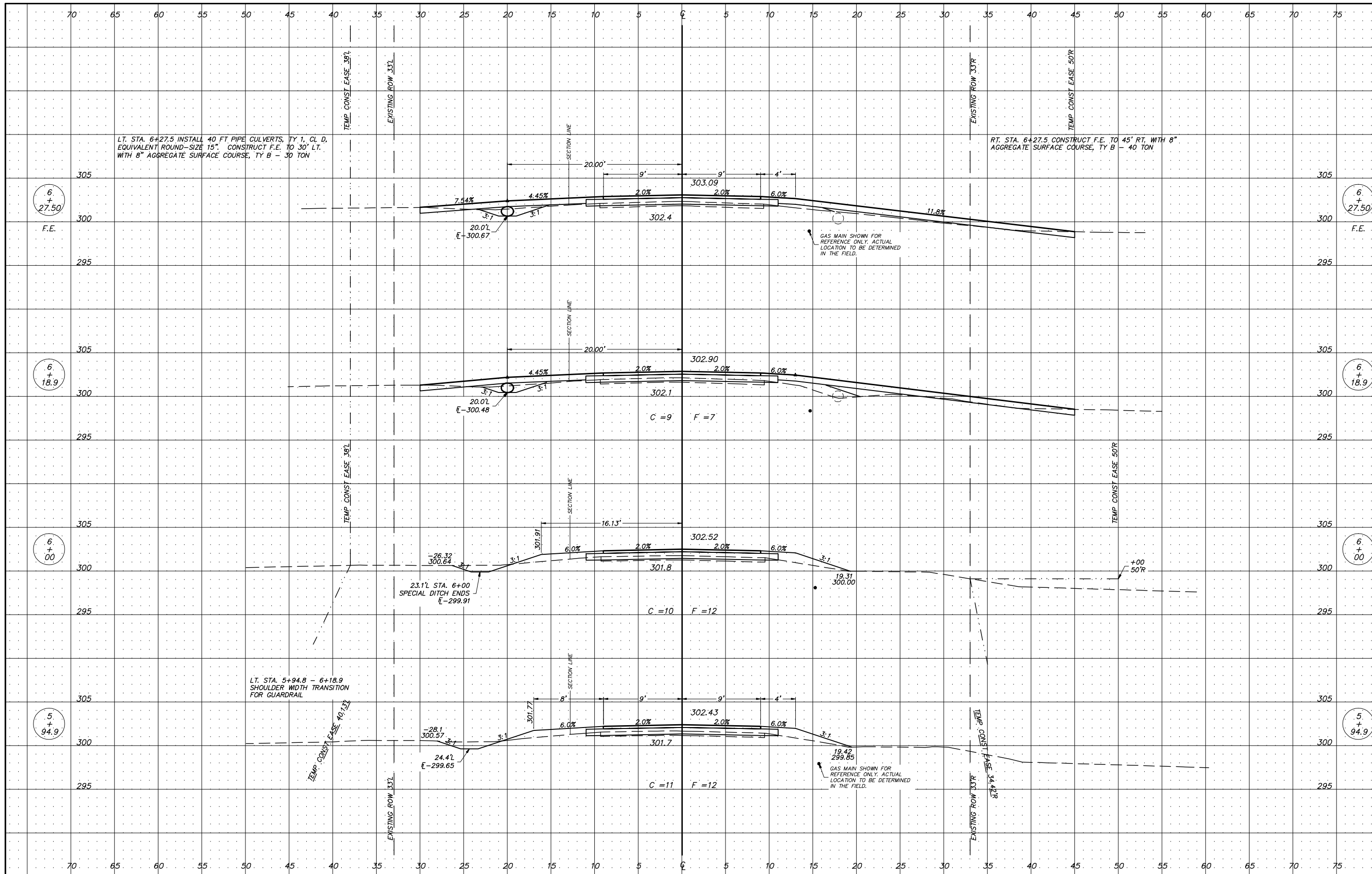
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 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 1:5
 PLOT DATE =

**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 TR 419 (NORTH 900th AVE.)**
 SCALE 1" = 5' SHEET 7 OF 9 SHEETS STA. 5+50 TO STA. 5+83.65

COUNTY	RD. DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	23

CONTRACT NO. 94743



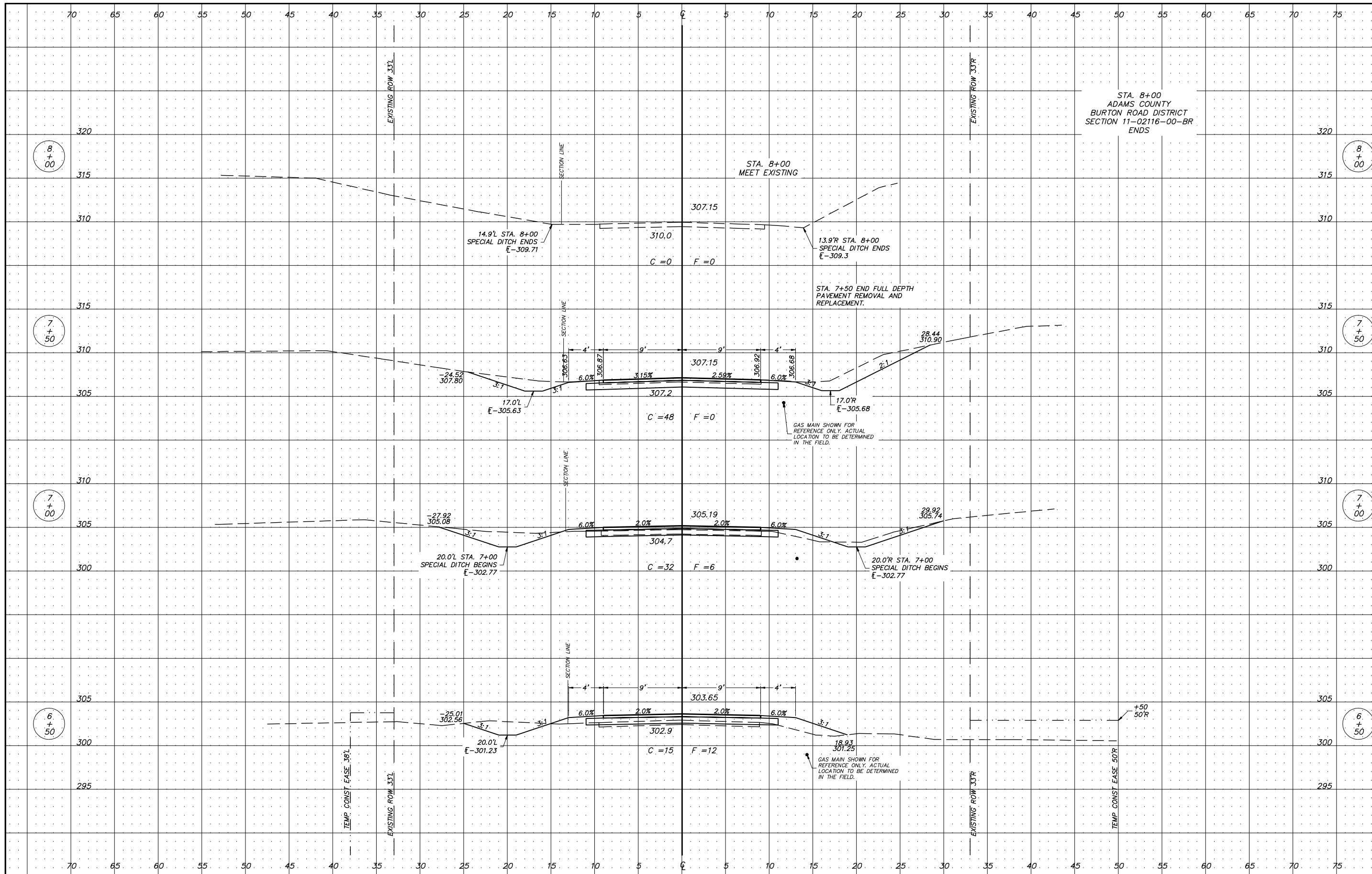
USER NAME =
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 TR 419 (NORTH 900th AVE.)**
 SCALE 1" = 5' SHEET 8 OF 9 SHEETS STA. 5+93.90 TO STA. 6+27.50

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	24

CONTRACT NO. 94743



STA. 8+00
ADAMS COUNTY
BURTON ROAD DISTRICT
SECTION 11-02116-00-BR
ENDS

STA. 8+00
MEET EXISTING

STA. 7+50 END FULL DEPTH
PAVEMENT REMOVAL AND
REPLACEMENT.

GAS MAIN SHOWN FOR
REFERENCE ONLY. ACTUAL
LOCATION TO BE DETERMINED
IN THE FIELD.

GAS MAIN SHOWN FOR
REFERENCE ONLY. ACTUAL
LOCATION TO BE DETERMINED
IN THE FIELD.

USER NAME =
PLOT SCALE = 1:5
PLOT DATE =

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

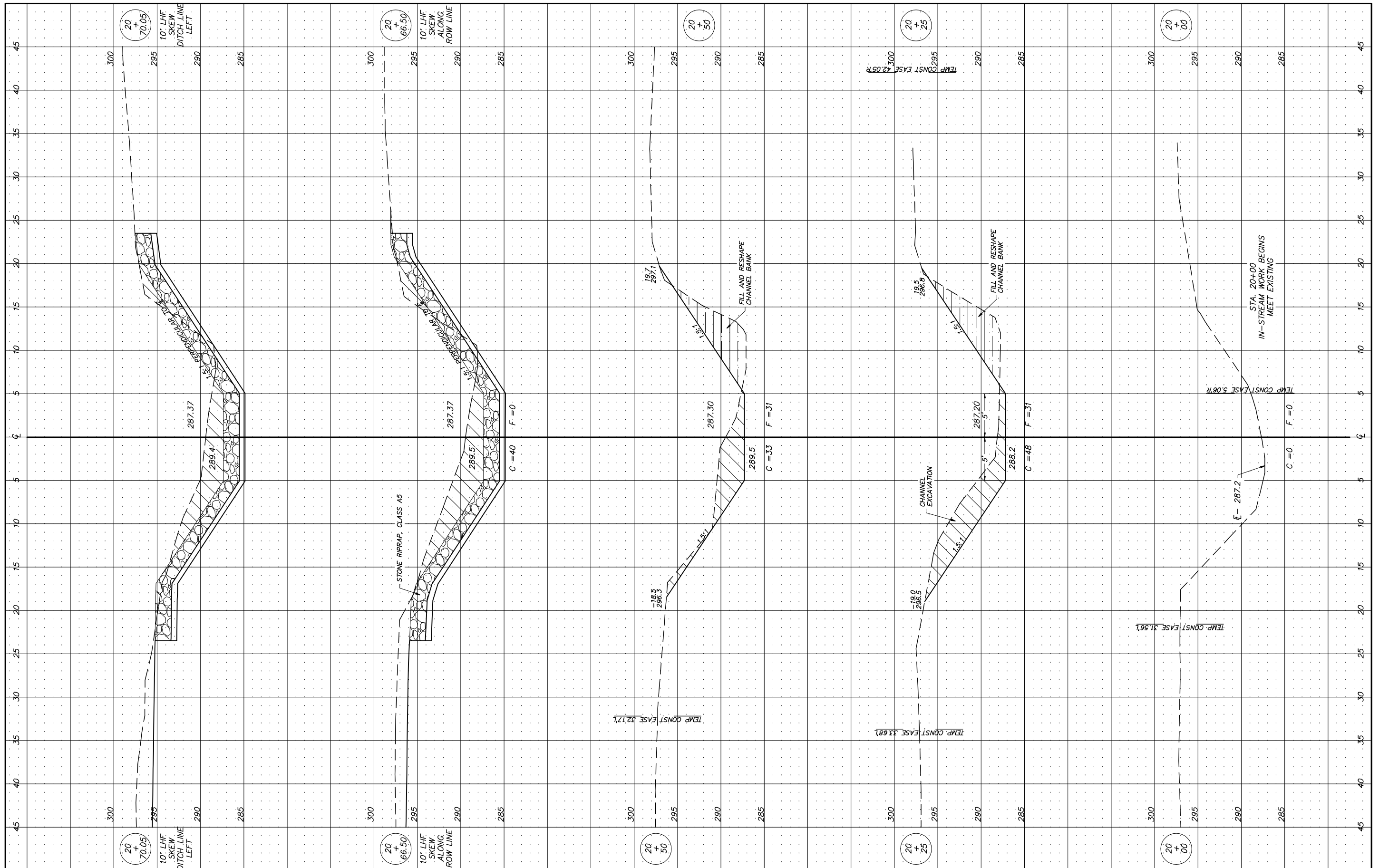
**ADAMS COUNTY
HIGHWAY DEPARTMENT**

**CROSS SECTIONS
TR 419 (NORTH 900th AVE.)**

SCALE 1" = 5' SHEET 9 OF 9 SHEETS STA. 6+50 TO STA. 8+00

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	25

CONTRACT NO. 94743



USER NAME =
 PLOT SCALE = 1:5
 PLOT DATE =

DESIGNED -
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 DATE -

REVISED -
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 REVISED -

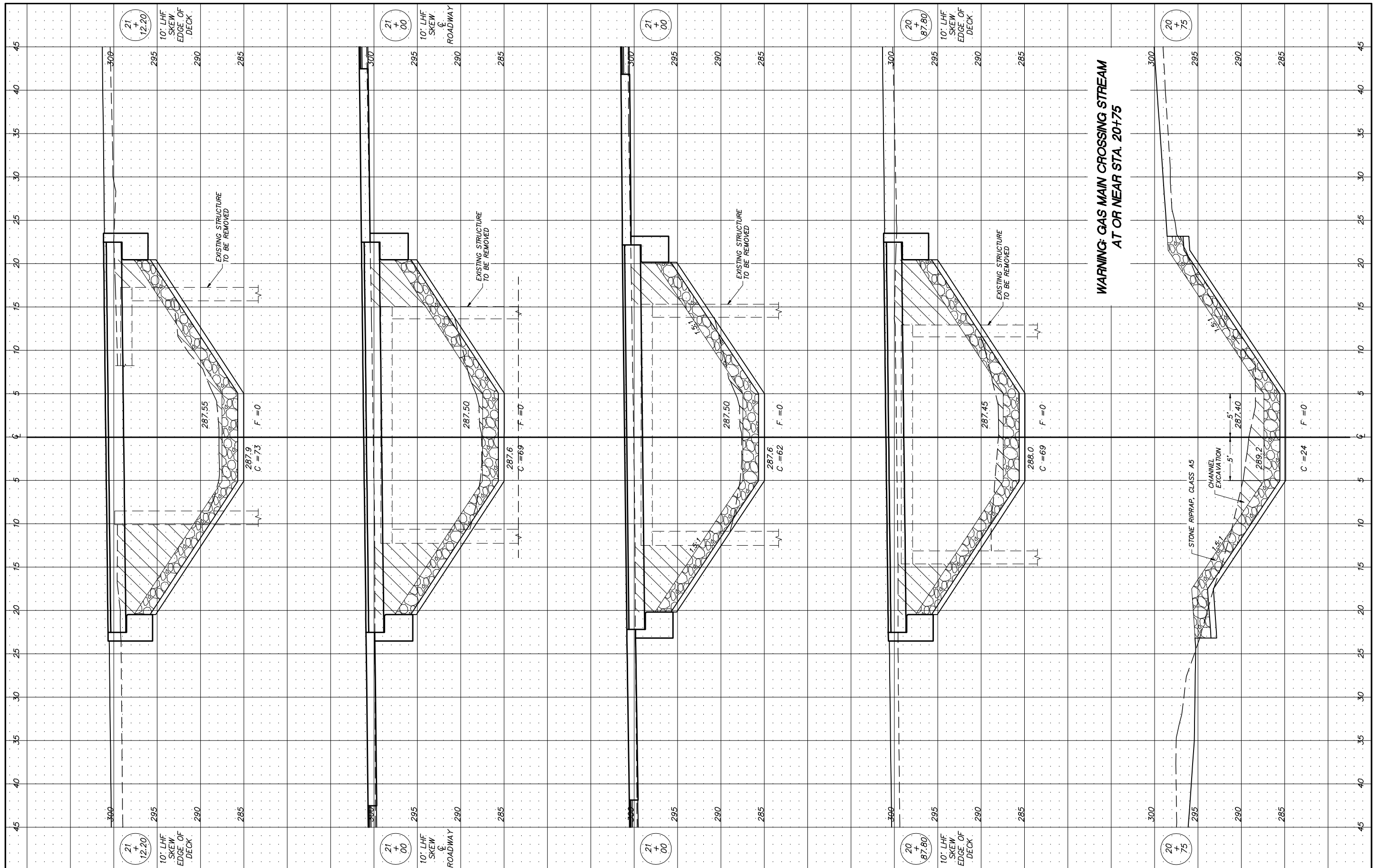
**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 IN-STREAM WORK**

SCALE 1" = 5' SHEET 1 OF 3 SHEETS STA. 20+00 TO STA. 20+70.05

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	26

CONTRACT NO. 93743



**WARNING: GAS MAIN CROSSING STREAM
AT OR NEAR STA. 20+75**

21
+
12.20

10' LHF
SKEW
EDGE OF
DECK

300
295
290
285

USER NAME =
DESIGNED -
DRAWN -
CHECKED -
DATE -

21
+
00

10' LHF
SKEW
ROADWAY

300
295
290
285

REVISED -
REVISED -
REVISED -
REVISED -

21
+
00

300
295
290
285

**ADAMS COUNTY
HIGHWAY DEPARTMENT**

20
+
87.80

10' LHF
SKEW
EDGE OF
DECK

300
295
290
285

**CROSS SECTIONS
IN-STREAM WORK**
SCALE 1" = 5' SHEET 2 OF 3 SHEETS STA. 20+75 TO STA. 21+12.2

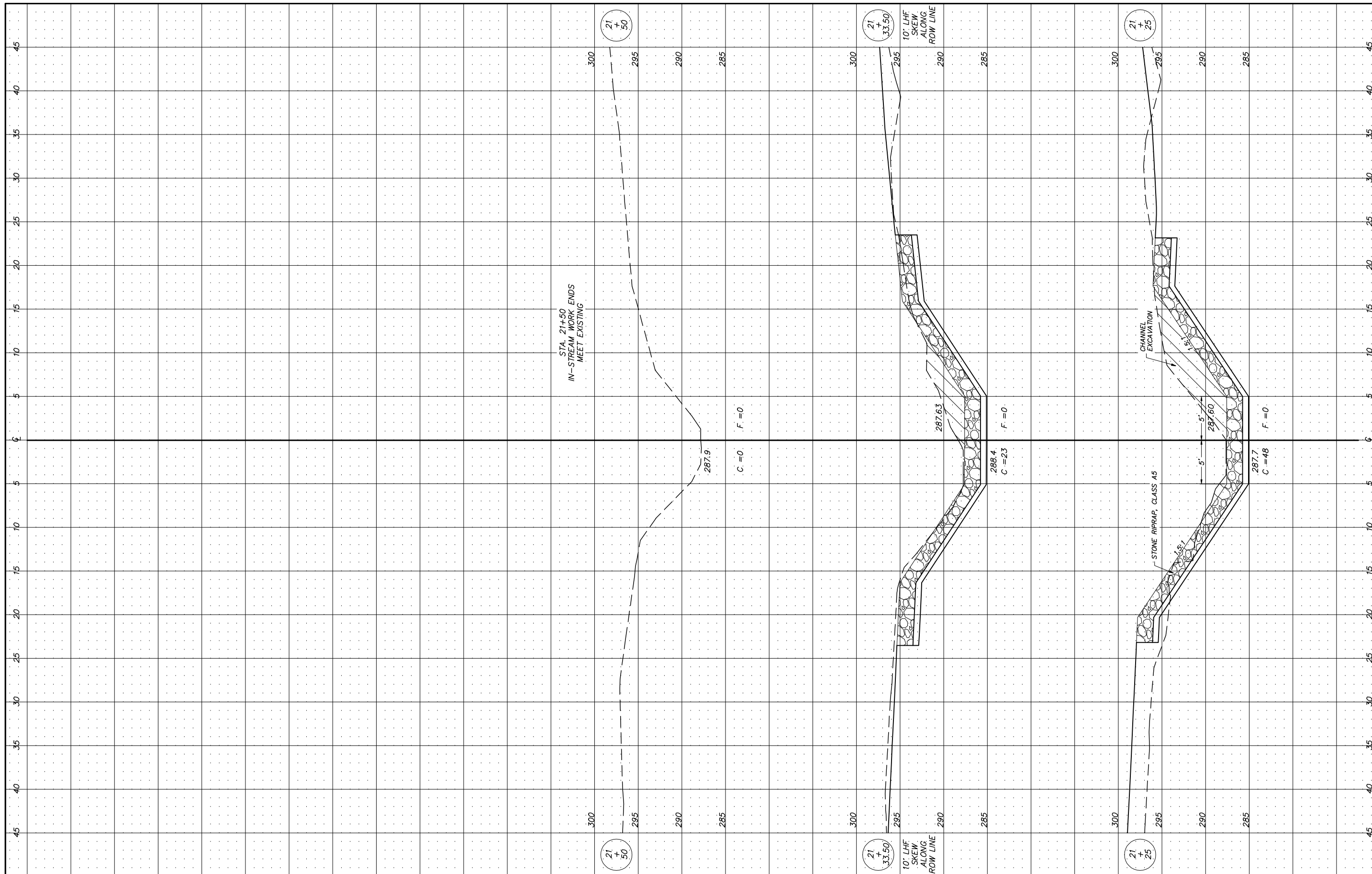
20
+
75

10' LHF
SKEW
EDGE OF
DECK

300
295
290
285

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	27

CONTRACT NO. 93743



USER NAME =
 PLOT SCALE = 1:5
 PLOT DATE =

DESIGNED -
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 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ADAMS COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 IN-STREAM WORK**

SCALE 1" = 5' SHEET 3 OF 3 SHEETS STA. 21+25 TO STA. 21+50

COUNTY	RD.DIST.	SECTION	TOTAL SHEETS	SHEET NO.
ADAMS	BURTON	11-02116-00-BR	28	28

CONTRACT NO. 93743