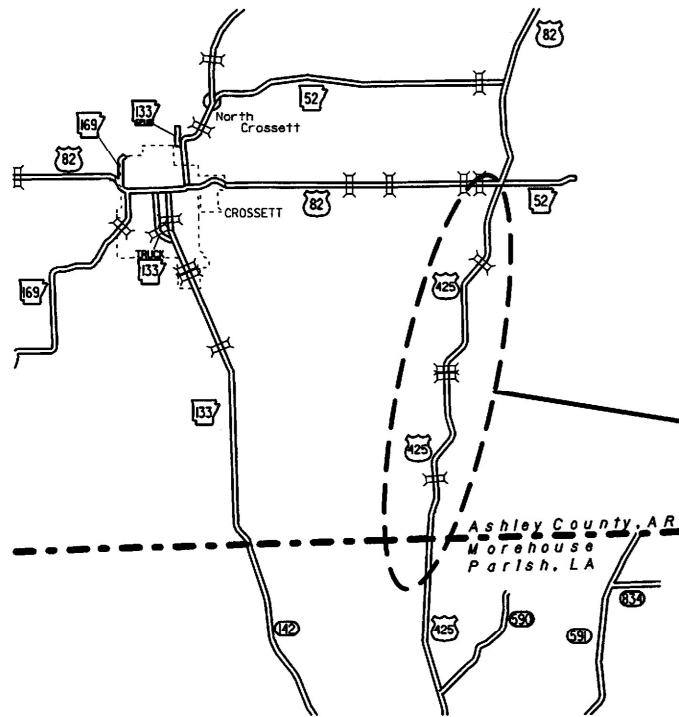


JOB CA0201

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PLOTTER: 7/12/2018 12:00
MODEL: PROPOSED DESIGN
SCALE: 1/2"=100'



VICINITY MAP

STRUCTURES OVER 20' -0" SPAN

- 1 STA. 619+85 CONSTRUCT
QUADRUPLE 6' X 3' X 176' R.C. BOX CULVERT
WITH 4:1 WINGS LT. & RT.
WITH TYPE TM DROP INLET IN MEDIAN
AT NORTH BARREL (2'6" X 3' X H= 0'7")
Q50=422 CFS D.A.=262 AC.
SPAN = 27'-0"
L.M. = 6.69
- 2 STA. 89+32 IN PLACE
DBL. 10' X 4' X 44' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
RETAIN AND EXTEND 39' LT. & 39' RT.
TO A COMPLETED LENGTH OF 122'
AND CONSTRUCT
DBL. 10' X 4' X 122' R.C. BOX CULVERT
Q50=967 CFS D.A.=2.3 SQ.MI.
SPAN = 42'-11"
L.M. = 1.50
- 3 STA. 170+86 IN PLACE
DBL. 8' X 7' X 50' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
RETAIN & EXTEND 37' LT. & 34' RT.
TO A COMPLETED LENGTH OF 121'
AND CONSTRUCT 8' X 7' X 121' R.C. BOX CULVERT
DESIGN DISCHARGE Q50=1325 CFS
TOTAL DISCHARGE Q50=1392 D.A.=6.6 SQ.MI.
TOTAL DISCHARGE INCLUDES WATER THROUGH
STRUCTURES AT STA. 192+99, STA. 193+12,
AND STA. 197+31
SPAN = 27'-4"
L.M. =3.05
- 4 STA. 232+35 CONSTRUCT
SEXTUPLE 12' X 9' X 130' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
DESIGN DISCHARGE Q50=3,215 CFS
TOTAL DISCHARGE Q50=3650 CFS D.A.=34.6 SQ.MI.
TOTAL DISCHARGE INCLUDES WATER THROUGH
STRUCTURES AT STA. 243+68 & STA. 249+52
SPAN = 77'-0"
L.M. = 4.21
- 5 STA. 243+68 IN PLACE
DBL. 10' X 5' X 56' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
RETAIN & EXTEND 40' LT. & 35' RT.
TO A COMPLETED LENGTH OF 130'
DESIGN DISCHARGE Q50=358 CFS
TOTAL DISCHARGE Q50=3650 CFS D.A.=34.6 SQ.MI.
TOTAL DISCHARGE INCLUDES WATER
THROUGH STRUCTURES AT STA. 232+35 &
STA. 249+52
SPAN = 21'-11 1/2"
L.M. = 4.43
- 6 STA. 315+51 IN PLACE
DBL. 8' X 4' X 44' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
RETAIN & EXTEND 40' LT. & 37' RT.
TO A COMPLETED LENGTH OF 121'
AND CONSTRUCT 8' X 4' X 121' R.C. BOX CULVERT
Q50=645 CFS D.A.=1032.7 AC.
SPAN = 26'-8"
L.M. = 5.79
- 7 STA. 398+26.70 CONSTRUCT
SEXTUPLE 12' X 10' X 124' R.C. BOX CULVERT
WITH 3:1 WINGS LT. & RT.
Q50=2790 CFS D.A.=32.6 SQ.MI.
SPAN = 76'-11"
L.M. = 7.35

EQUATION

STA. 635+92.79 BACK =
STA. 9+90.91 AHEAD
LA. LOG MILE 6.99 BACK =
AR. LOG MILE 0.00 AHEAD

STA. 602+50.00
BEGIN JOB CA0201
LA. LOG MILE 6.36

BEGINNING OF PROJECT
LAT. = N 32°59'54"
LONG. = W 91°51'26"

MID-POINT OF PROJECT
LAT. = N 33°04'04"
LONG. = W 91°50'47"

END OF PROJECT
LAT. = N 33°07'59"
LONG. = W 91°49'15"

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR STATE HIGHWAY

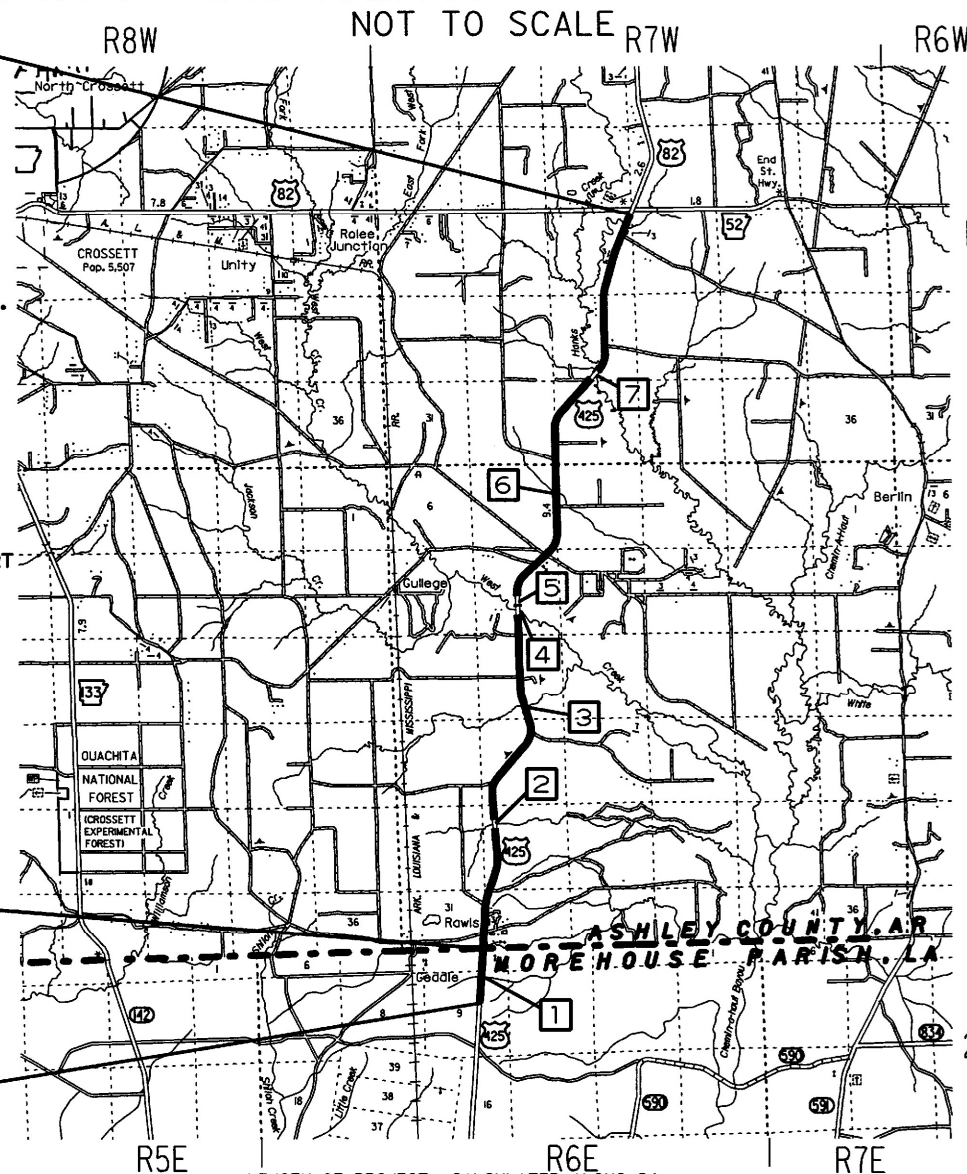
LOUISIANA STATE LINE - HWY.82
(WIDENING) (S)

PROJECT LOCATION MOREHOUSE PARISH, LA & ASHLEY COUNTY, AR
ROUTE 425 SECTION I

FED. AID PROJ. ACNHPP-0002(32) & STPR-0002(42)

JOB CA0201

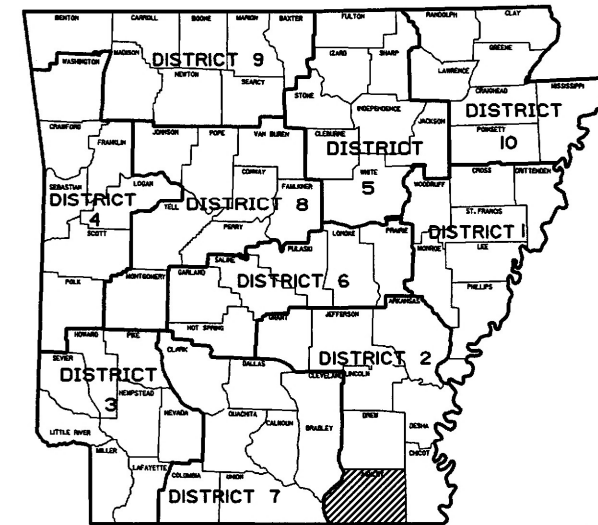
STA. 503+26.48
END JOB CA0201
AR. LOG MILE 9.34



LENGTH OF PROJECT CALCULATED ALONG C.L.				
GROSS LENGTH	OF PROJECT	52678.36	FEET OR	9.977
NET	"	52378.56	"	9.920
NET	"	299.80	"	0.057
NET	"	52678.36	"	9.977

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.		CA0201	1	373

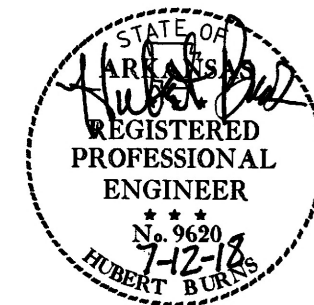
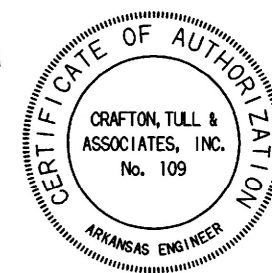
2 LOUISIANA STATE LINE - HWY. 82 (WIDENING) (S)



ARK. HWY. DIST. NO. 2

DESIGN TRAFFIC DATA

DESIGN YEAR ————— 2037
2018 ADT ————— 1,500
2038 ADT ————— 1,800
2038 DHV ————— 200
DIRECTIONAL DISTRIBUTION ————— 60%
TRUCKS ————— 33%
DESIGN SPEED ————— 60 MPH



P.E. CA0201

USER: fs53
DESIGN FILE: G:\1503800_Hwy425\TRANSP\dwg\misc\CA0201_IND_Hwy-425.dgn
PLOTTER: 9/6/2018 12:58
SCALE: 1:200
MODEL: INDEX OF SHEETS

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES
3 - 9	TYPICAL SECTIONS OF IMPROVEMENT
10 - 30	SPECIAL DETAILS
31 - 90	TEMPORARY EROSION CONTROL DETAILS
91 - 137	MAINTENANCE OF TRAFFIC DETAILS
138 - 156	PERMANENT PAVEMENT MARKING DETAILS
157 - 169	QUANTITIES
170	SUMMARY OF QUANTITIES AND REVISIONS
171 - 190	SURVEY CONTROL DETAILS
191 - 227	PLAN AND PROFILE SHEETS
228 - 373	CROSS SECTIONS

NOTE: CROSS SECTIONS NOT NORMALLY INCLUDED IN PLANS SOLD TO PROSPECTIVE BIDDERS, BUT MAY BE HAD UPON REQUEST.

ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
FES-1	FLARED END SECTION	10-18-96
FES-2	FLARED END SECTION	10-18-96
FPC-9	DETAILS OF DROP INLETS & JUNCTION BOXES	11-16-01
FPC-9D	DETAILS OF DROP INLETS	08-22-02
MB-1	MAILBOX DETAILS	11-18-04
PBC-1	PRECAST CONCRETE BOX CULVERTS	01-28-15
PCC-1	CONCRETE PIPE CULVERT FILL HEIGHTS & BEDDING	02-27-14
PCM-1	METAL PIPE CULVERT FILL HEIGHTS & BEDDING	02-27-14
PCP-1	PLASTIC PIPE CULVERT (HIGH DENSITY POLYETHYLENE)	02-27-14
PCP-2	PLASTIC PIPE CULVERT (PVC F949)	02-27-14
PM-1	PAVEMENT MARKING DETAILS	06-01-17
RCB-1	REINFORCED CONCRETE BOX CULVERT DETAILS	07-26-12
RCB-2	EXCAVATION PAY LIMITS, BACKFILL, & SOLID SODDING FOR BOX CULVERTS	11-20-03
RCB-3	METHOD OF EXTENDING EXISTING R.C. BOX CULVERTS	10-12-95
SE-1	TABLES AND METHOD OF SUPERELEVATION FOR ONE-WAY TRAFFIC	01-09-87
SE-2	TABLES AND METHOD OF SUPERELEVATION FOR TWO-WAY TRAFFIC	10-18-96
SES-1	SAFETY END SECTION FOR CIRCULAR AND ARCH PIPES	10-18-96
SI-1	DETAILS OF SPECIAL ITEMS	09-12-13
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	04-13-17
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	09-02-15
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	09-02-15
TC-4	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER	02-27-14
TC-5	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION-TEMPORARY PRECAST BARRIER	10-15-09
TEC-1	TEMPORARY EROSION CONTROL DEVICES	11-16-17
TEC-2	TEMPORARY EROSION CONTROL DEVICES	06-02-94
TEC-3	TEMPORARY EROSION CONTROL DEVICES	11-03-94
WF-2	WIRE FENCE WATER GAPS	04-20-79
WF-4	WIRE FENCE TYPE C AND D	08-22-02
R-100X-0	DETAILS OF STANDARD BARREL SECTIONS FOR REINFORCED CONCRETE BOX CULVERTS	02-08-63
R-200X-0	DETAILS OF STANDARD BARREL SECTIONS FOR REINFORCED CONCRETE BOX CULVERTS	02-15-63
W-X003-1	DETAILS OF STANDARD WINGS FOR REINFORCED CONCRETE BOX CULVERTS	05-10-66

GENERAL NOTES

- GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WIRE FENCE MAY BE CONSTRUCTED INITIALLY, OR IN LIEU THEREOF, THE CONTRACTOR AT HIS OWN EXPENSE, MAY ELECT TO PROVIDE TEMPORARY FENCING SUITABLE TO CONTAIN LIVESTOCK.
- ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THIS PROJECT IS COVERED UNDER A NATIONWIDE 23 SECTION 404 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2014, FOR PERMIT REQUIREMENTS.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
08-23-18				6	ARK.			
09-06-18						JOB NO. CA0201	2	373

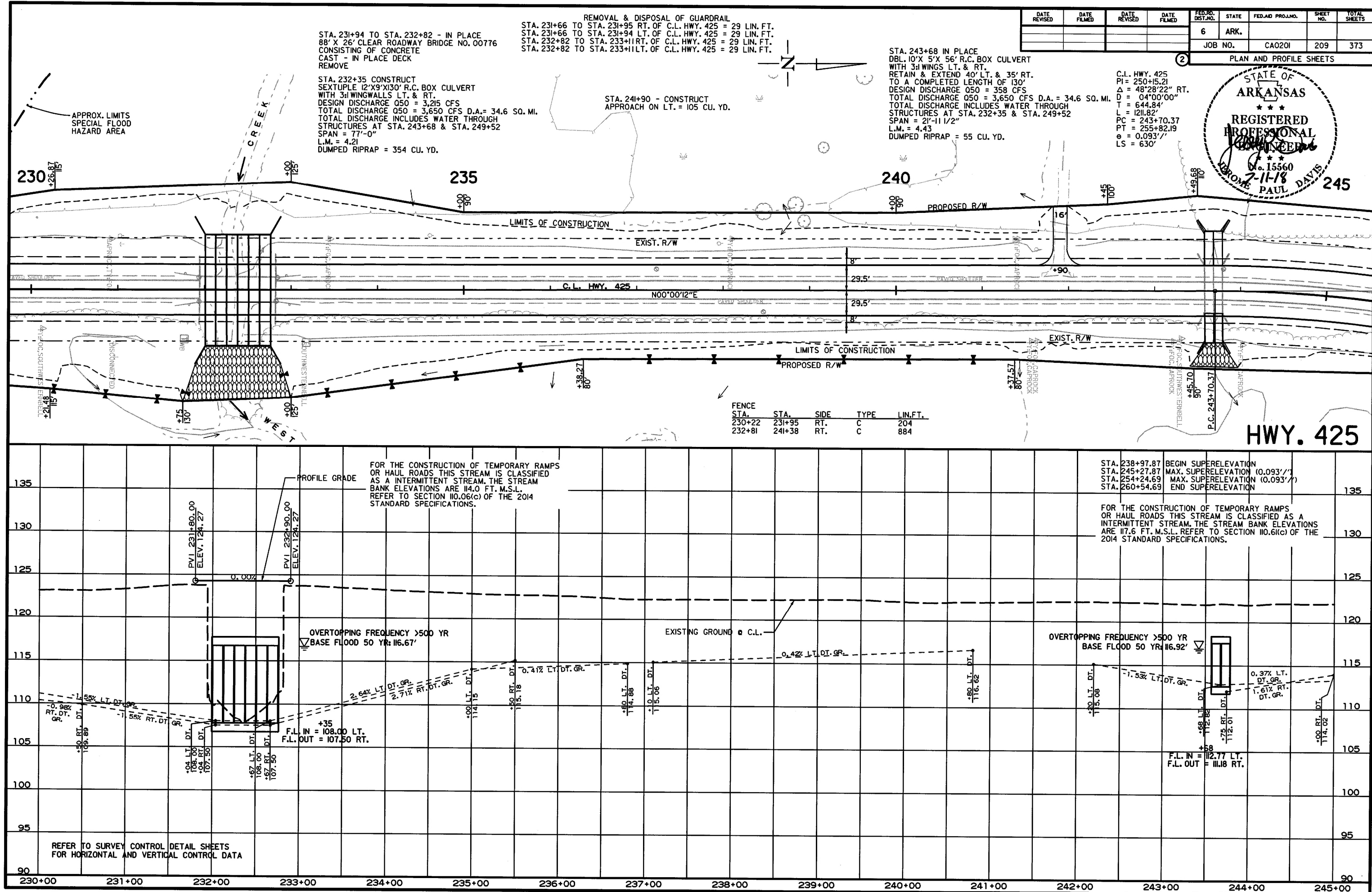
2 INDEX OF SHEETS, STANDARD DRAWINGS, GOV. SPECS., & GEN. NOTES



GOVERNING SPECIFICATIONS

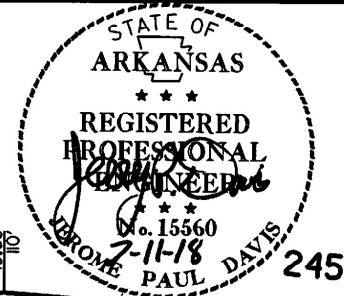
ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
FHWA-1273	SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
FHWA-1273	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273	SUPPLEMENT - TRAINING PROGRAM - JOB CA0201
FHWA-1273	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273	SUPPLEMENT - WAGE RATE DETERMINATION
100-3	CONTRACTOR'S LICENSE
100-4	DEPARTMENT NAME CHANGE
102-2	ISSUANCE OF PROPOSALS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
303-1	AGGREGATE BASE COURSE
400-1	TACK COATS
400-4	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
604-1	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
606-1	PIPE CULVERTS FOR SIDE DRAINS
620-1	MULCH COVER
JOB CA0201	ADDITIONAL PROJECT REQUIREMENTS
JOB CA0201	BIDDING REQUIREMENTS AND CONDITIONS
JOB CA0201	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB CA0201	BROADBAND INTERNET SERVICE FOR FIELD OFFICE
JOB CA0201	CARGO PREFERENCE ACT REQUIREMENTS
JOB CA0201	CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS
JOB CA0201	CONSTRUCTION PROJECT INFORMATION SIGN
JOB CA0201	COORDINATION OF WORK
JOB CA0201	DELAY IN RIGHT OF WAY OCCUPANCY
JOB CA0201	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB CA0201	ELECTRONIC DOCUMENT MANAGEMENT - CONNECTING ARKANSAS PROGRAM
JOB CA0201	EMPLOYMENT REPORTING
JOB CA0201	EXTENSION FOR PIPE CULVERTS
JOB CA0201	FLEXIBLE BEGINNING OF WORK-CALENDAR DAY CONTRACT
JOB CA0201	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB CA0201	LIQUID ANTI-STRIPPING ADDITIVE
JOB CA0201	MANDATORY ELECTRONIC CONTRACT
JOB CA0201	NESTING SITES OF MIGRATORY BIRDS
JOB CA0201	PARTNERING REQUIREMENTS
JOB CA0201	PERCENT WITHIN LIMITS/PAVEMENT SMOOTHNESS
JOB CA0201	PLASTIC PIPE
JOB CA0201	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB CA0201	PROSECUTION AND PROGRESS WITH BID SCHEDULE
JOB CA0201	PROTECTION OF WATER QUALITY AND WETLANDS
JOB CA0201	REMOVING AND REPLACING TOPSOIL
JOB CA0201	RESTRAINING CONDITIONS
JOB CA0201	SHORING FOR CULVERTS
JOB CA0201	SITE USE (A + C METHOD) - CALENDAR DAY CONTRACT
JOB CA0201	SOIL STABILIZATION
JOB CA0201	STORM WATER POLLUTION PREVENTION PLAN
JOB CA0201	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB CA0201	UTILITY ADJUSTMENTS
JOB CA0201	VALUE ENGINEERING
JOB CA0201	WARM MIX ASPHALT
JOB CA0201	WELLHEAD PROTECTION



DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
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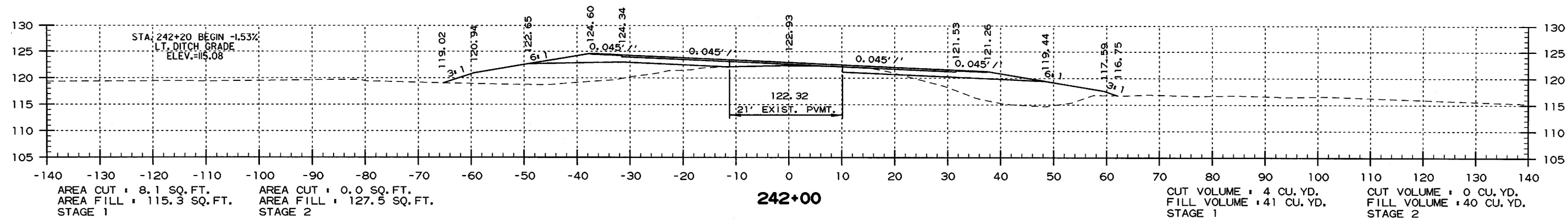
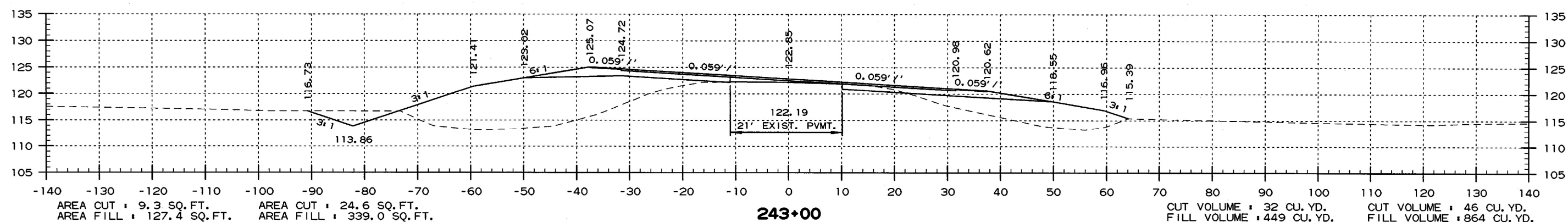
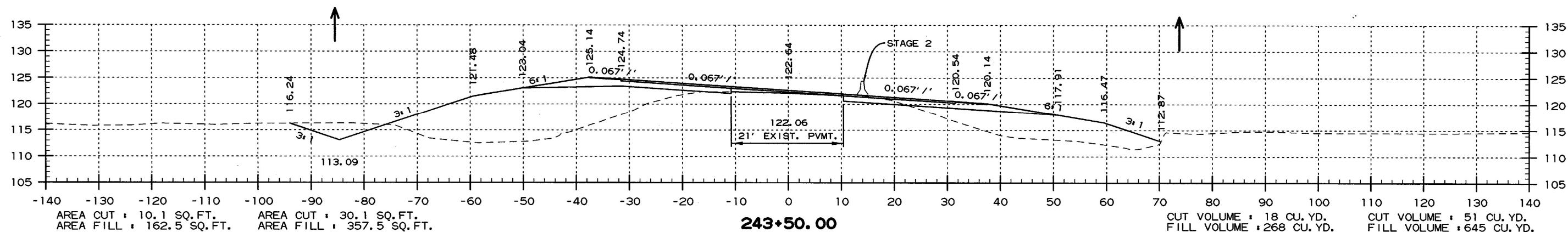
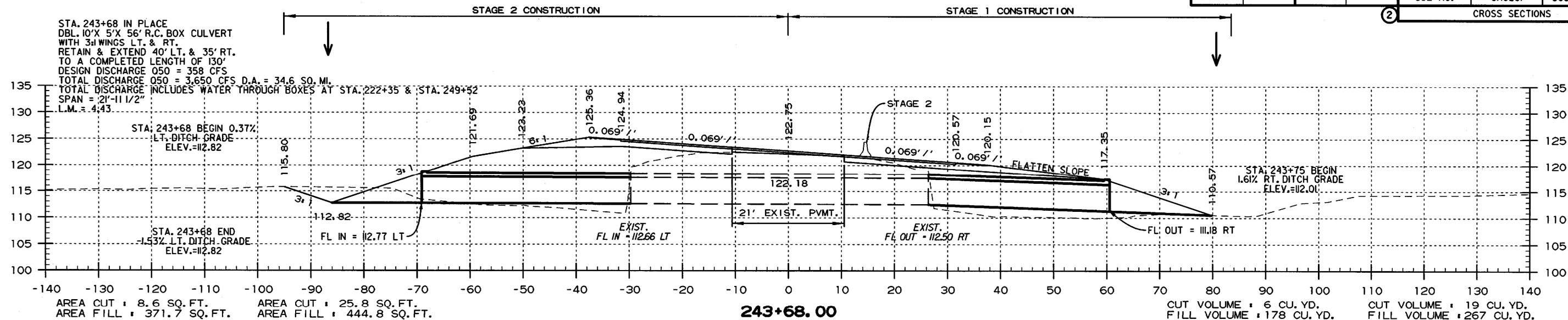
PLAN AND PROFILE SHEETS



C.L. HWY. 425
PI = 250+15.21
Δ = 48°28'22" RT.
D = 04°00'00"
T = 644.84'
L = 1211.82'
PC = 243+70.37
PT = 255+82.19
e = 0.093'/
LS = 630'

HWY. 425

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. RD. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.	CA0201	303	373	
CROSS SECTIONS								



STA. 242+00 TO STA. 243+68