INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
SHEET NO.	2	INDEX OF SHEETS
SHEET NO.	3	TYPICAL SECTIONS MAIN LINE
SHEET NO.	4	TYPICAL SECTIONS RAMPS & FRONTAGE ROADS
SHEET NO.	5	TYPICAL SECTIONS CROSS ROADS
SHEET NO.	6	PLAN PROFILE STA. 205+04.53 TO STA. 214+00
SHEET NO.	7	PLAN PROFILE STA. 214+00 TO STA. 244+00
SHEET NO.	8	PLAN PROFILE STA. 244+00 TO STA. 277+00
SHEET NO.	9	PLAN PROFILE STA. 277+00 TO STA. 307+00
SHEET NO.	10	PLAN PROFILE STA. 307+00 TO STA. 337+00
SHEET NO.	11	PLAN PROFILE STA. 337+00 TO STA. 367+00
SHEET NO.	12	PLAN PROFILE STA. 367+00 TO STA. 397+00
SHEET NO.	13	PLAN PROFILE STA. 397+00 TO STA. 427+00
SHEET NO.	14	PLAN PROFILE STA. 427+00 TO STA. 457+00
SHEET NO.	15	25TH STREET CROSSROAD
SHEET NO.	16	25TH STREET INTERCHANGE COORDINATE LAYOUT
SHEET NO.	17	25TH STREET INTERCHANGE LOCATION PLAN
SHEET NO.	18	25TH STREET INTERCHANGE RAMP DETAILS ENTRANCE & EXITS
SHEET NO.	19	25TH STREET INTERCHANGE RAMP GRADES
SHEET NO.	20	K-96 (N. MERIDIAN) CROSS ROAD
SHEET NO.	21	K-96 INTERCHANGE COORDINATE LAYOUT
SHEET NO.	22	K-96 INTERCHANGE LOCATION PLAN
SHEET NO.	23	K-96 INTERCHANGE RAMP DETAILS ENTRANCES & EXITS
SHEET NO.	24	K-96 INTERCHANGE RAMP GRADES
SHEET NO.	25	NORTH SENECA ST. CROSS ROAD
SHEET NO.	26	US-81 INTERCHANGE COORDINATE LAYOUT
SHEET NO.	27	US-81 INTERCHANGE LOCATION PLAN
SHEET NO.	28	US-81 INTERCHANGE RAMP DETAILS ENTRANCES & EXITS
SHEET NO.	29	US-81 INTERCHANGE RAMP GRADES
SHEET NO.	30	BIG ARKANSAS RIVER OUTLET CHANNEL RIPRAP
SHEET NO.	31	CHANNEL "B" CHISHOLM CREEK DIVERSION LEVEE CLOSURE
SHEET NO.	32	LITTLE ARKANSAS RIVER LEVEE CLOSURE
SHEET NO.	33	CONCRETE DITCH INLETS, TYPE I & TYPE II
SHEET NO.	34	CONCRETE HEADWALLS, STRUCTURAL STEEL GRATE; TYPE II (INLETS)
	34A	AUTOMATIC FLAP GATE
SHEET NO.	35	MEDIAN DRAIN SECTIONS & SCHEDULE
SHEET NO.	36	WASH CHECKS
SHEET NO.	37	RIP RAP, DITCH LINING
SHEET NO.	38	STEEL PLATE GUARD FENCE
SHEET NO.	39	METAL END SECTION FOR ROUND & ARCH METAL CULVERTS
SHEET NO.	40	CONCRETE END SECTIONS FOR CONCRETE PIPE
SHEET NO.	41	PIPE CULVERTS & END SECTIONS SCHEDULE
SHEET NO.	42	UNDERDRAINS
SHEET NO.	43	R.C. BOX CULVERTS 3', 4', 5' & 6' SPANS
SHEET NO.	44-45	BRIDGE NO. A35-87-20.40 (NOT COMPLETE)
SHEET NO.	46-53	BRIDGE NO. A35-87-20.90
SHEET NO.	54-55	BRIDGE NO. A35-87-21.90 (NOT COMPLETE)
SHEET NO.	56-62	BRIDGE NO. A35-87-22.21
SHEET NO.	63	BRIDGE NO. A35-87-23.47
SHEET NO.	64	BRIDGE NO. A35-87-23.50
SHEET NO.	65-71	BRIDGE NO. A35-87-23.89
SHEET NO.	72-73	BRIDGE NO. A35-87-24.33 (NOT COMPLETE)
SHEET NO.	74-81	BRIDGE NO. A35-87-24.40
SHEET NO.	82	STANDARD PILE DETAILS
SHEET NO.	83	BRIDGE EXCAVATION SHEET
SHEET NO.	84	SUPPORTS & SPACERS FOR REINFORCING STEEL
SHEET NO.	85	CONSTRUCTION TRAFFIC CONTROL
SHEET NO.	86	SUMMARY OF QUANTITIES (GRADING)
SHEET NO.	87	DRAINAGE SUMMARY
	87A	SUMMARY OF QUANTITIES (Bridges)
SHEET NO.	88	SUBGRADE MODIFICATION, AA BASE COURSE & SEAL, LIGHT TYPE SURFACING
SHEET NO.	89	DRAINAGE AREA STA. 150+00 TO 300+00
SHEET NO.	90	DRAINAGE AREA STA. 270+00 TO 449+00
SHEET NO.	91-1??	CROSS SECTIONS

[redacted]

STATE HIGHWAY COMMISSION

INDEX OF SHEETS

GENERAL NOTE

ENCROACHMENTS SUCH AS FENCES, BUILDINGS, TELEPHONE, TELEGRAPH AND POWER LINES SHALL BE MOVED BY THE OWNERS * IN THE INTEREST OF PUBLIC SAFETY, ALL GAS, GASOLINE AND OIL LINES SHALL BE MOVED BEYOND THE LIMITS OF THE ROADBED BY THE OWNER UNLESS SPECIAL PROVISION FOR THEIR RETENTION HAS BEEN MADE.

ALL WATER LINES LESS THAN THREE FEET BELOW THE SURFACE OF THE PROPOSED GRADE, OR LINES NOT CONSTRUCTED OF LEAD, COPPER, CAST IRON OR WROUGHT IRON OR LINES NOT IN GOOD CONDITION SHALL BE LOWERED, REPLACED OR MOVED BEYOND THE LIMITS OF THE ROADBED BY THE OWNERS.

ALL OTHER UNDERGROUND UTILITIES SHALL BE PLACED IN GOOD CONDITION AND ADJUSTED TO FIT THE NEW CONSTRUCTION BY THE OWNERS.

ALL VALVES, METER BOXES, HYDRANTS, MANHOLES, ETC. SHALL BE MOVED OR ADJUSTED TO THE NEW CONSTRUCTION BY THE OWNERS UNLESS NOTED OTHERWISE ON THE PLANS.

AT PIT LOCATIONS ADJACENT TO THE RIGHT-OF-WAY, UTILITY POLES MAY BE SET AT THE PERMANENT LOCATIONS PRIOR TO CONSTRUCTION AS APPROVED BY THE ENGINEER, PROVIDED A MINIMUM VERTICAL CLEARANCE OF 15 FEET IS OBTAINED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND THESE POLES TO COMPLETE THE WORK.

THE GEOLOGICAL INFORMATION SHOWN ON THESE PLANS IS FROM STUDIES MADE IN THE FIELD AND REPRESENTS THE BEST INFORMATION AVAILABLE TO THE KANSAS HIGHWAY COMMISSION.

CHANNELS SHALL BE CUT AT ALL CULVERTS UNLESS OTHERWISE NOTED. NO FLOW LINE ELEVATIONS END TO A WIDTH OF ONE FOOT OUTSIDE OR EACH OUTSIDE WALL AND WITH SLOPES 2 TO 1 PRIOR TO CONSTRUCTION OF THE CULVERT. QUANTITIES INCLUDED IN EXCAVATION TOTALS.

ALL TREES TO BE GRUBBED ARE MARKED THUS X.

ALL ADDITIONAL RIGHT-OF-WAY SHALL BE FURNISHED BY THE STATE UNLESS OTHERWISE NOTED.

* Except as Noted in Plans

P.O.T. Ref. Sta. 198+42.80
1. ½" Rebar @ P.O.T.
2. 117.35° S.S.E. Spike in Power Pole
3. 56.50° N.N.E. Spike in Power Pole

P.O.T. Located Near ℄ West Street, 290' South of ℄ T.W. 21st. Street.

Curve Data - Centerline
Δ = 6°-06'-55.8"
D = 1°-00'-00"
R = 5,729.65'
T = 306.07'
L = 611.55'
E = 8.17'
PC Sta. 203+93.93
P.I. Sta. 207+00
P.T. Sta. 210+05.48
S.E. = 0.022'/Ft.

P.O.T. Ref. Sta. 209+83.00 ℄
1. ½" Rebar @ P.O.T.
2. 9.6' N.N.W. Spike & Washer in 30" Cottonwood
3. 5.2' N.N.E. Spike & Washer in 40" Hedge
4. 7.1' S. Spike in Triple 40" Elm

STA. 209+94.53 END Proj. 235-67I, 235-1(15) 43 Part II
BEGIN Proj. 235-67I 235-1(15) 43 Part III

PUB. ROAD SYS. NO.	STATE	PROJECT	SHEET	NO.	SHEETS
5	KANSAS	235-67I-235-1(15)43 J.U.149	1958	6	1967

PC = 207+00.00

Sta. 211+25 Lt. Install 36"x58 S.R.P. (C.M.P.) with 36° Flapgate 1 Conc. Hdwl. 1 End Section D.A. = 52 Ac. Q = 93 cfs L.F. = 0.38 H.W. = 3.2' See Sheet No. 38

Sta. 211+615 to Sta. 218+15 Const. 60 Sq. Yds. Sp. Conc. Dt. Lining See Sheet No. 37

R/W = Channel R/W = City Limits

F.L. Smith et ux.

Cultivated

Sta. 211+25 Const. Ditch Plug

℄ Proposed Improvement

PT Sta. 210+05.48

RIVER CHANNEL

Base Line

Sta. 210+55 Const. Ditch Plug

R/W = 150' ℄

G5°28'

+27.74

R/W = 150' ℄

Sta. 210+84 to Sta. 210+94 Const. 16 Sq. Yds. Sp. Conc. Dt. Lining Rt. See Sh. No. 32

OUTLET

ARKANSAS

For Heavy Stone Riprap at Bridge See Sheet No. 30

Sta. 210+30 Rt. Install 24"x 66' S.R.P. (CMP) with 24° Flapgate 1 Conc. Hdwl. 1 End Section D.A. = 11 Ac. Q = 15 cfs L.F. = 0.33 H.W. = 2.2' See Sheet No. 34

Meander Line

B.G.

Sta. 213+24.34 Const. Br. No. 235-67I-20.404 2 (36'0 @ 45.5'=36') R.C. Ha. Slab Spans P-50 Roadways See Sheet No. 44 & 45

Sta. 211+575 to Sta. 212+05 Const. 60 Sq. Yds. Sp. Conc. Dt. Lining See Sheet No. 34

City Limits

Flood Control & Arthur P. Woods

EQUATION ℄ P.I. Sta. 207+00 Bk. = ℄ Sta. 206+93.41 Ah. = ℄ Sta. 207+00

PC Sta. 203+93.93

B.M. #145 U.S. Engr. Dept. Tulsa District R.M.W. 56 211' Lt. Sta. 201+18 Elev. 1318.90

B.M. #146 A "O" in S.E. Cor. S.E. Wingwall Big Arch Outlet Str. Elev. 1316.31'

B.M. #147 A R.R. Spike in End Fc. Post Flood Cont. R/W Lt. Sta. 210+01 Elev. 1315.58

SCALE
PLAN: Lat & Long. 100 50 0 100
PROFILE: Horiz. Same as above
Vert. 10 5 0

Grading Contractor Shall Complete All Roadway Excavation and Embankment in the Vicinity of Br. See Plans for the Construction of Piers and Abutments

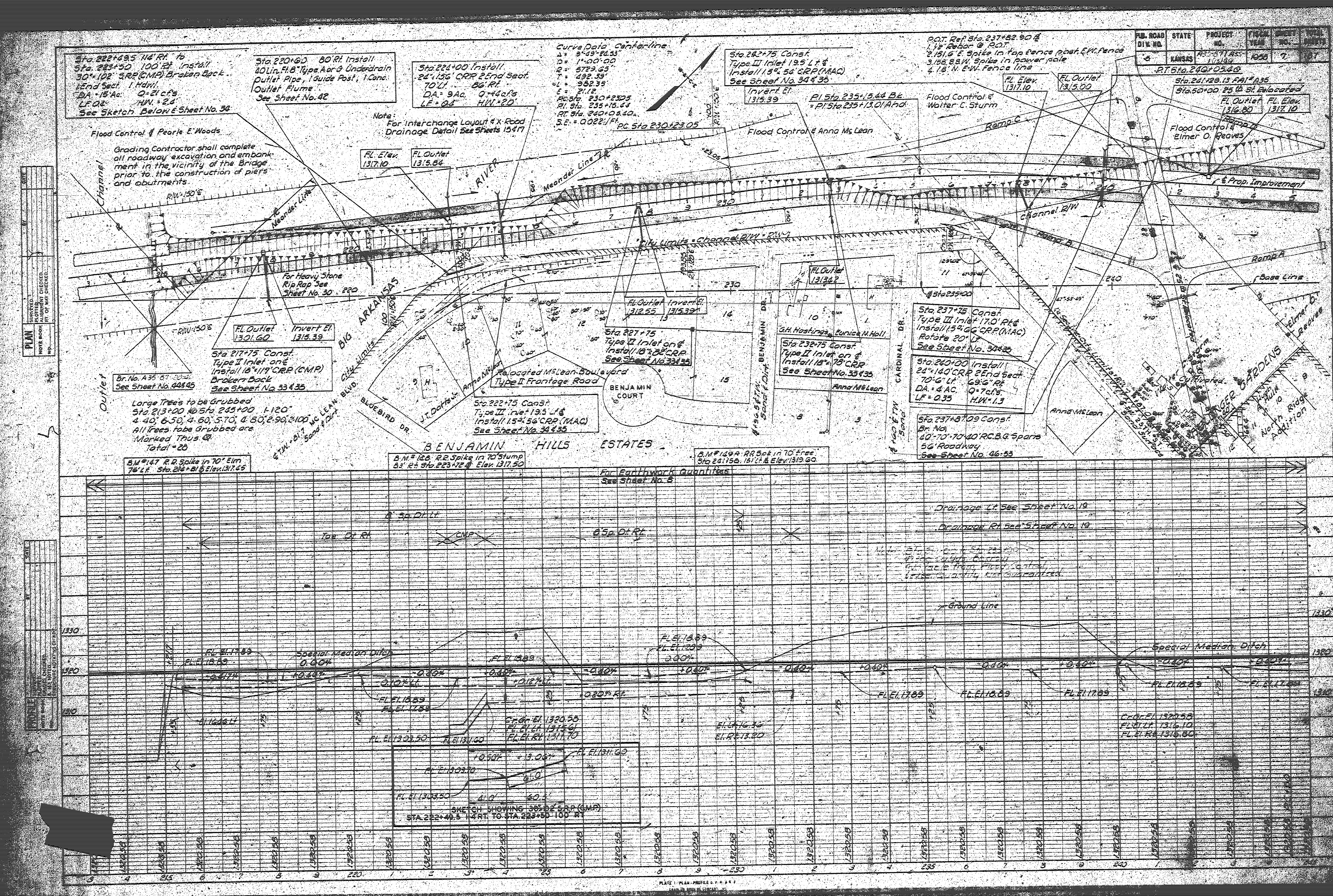
SEA LEVEL DATUM

For Earthwork Quantities See Sheet No. 6

Ground Line
-0.12%
600' V.C.
F.L. El. 1307
-0.08% Lt & Rt.
F.L. El. 1312.91
F.L. El. 1313.00
H.W. El. 1315.00
F.L. El. 1316.0
0.100%
F.L. El. 1312.29
F.L. El. 1311.88
F.L. El. 1311.88
Conc. Ditch Lining
1320
1310
END PROJ. NO. 235-67I-20.404 BEGIN PROJ. NO. 235-67I-20.404
1320.82
1320.78
1320.64
1320.60
1320.56
1320.56
1320.56
1320.56
+00 Pt.
6 7 8 9 10 1 2 3 4

PLAN | REVISED | ADDED | DELETED | NOTE BOOK | SHEET NO. | DATE | BY | DESCRIPTION

PROFILE | REVISED | ADDED | DELETED | NOTE BOOK | SHEET NO. | DATE | BY | DESCRIPTION


F.D. ROAD DIV. NO.
STATE
PROJECT NO.
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
5
KANSAS
1958
7
Sta. 222+49.5 114' Rt. to
Sta. 223+50 100' Rt. Install
30"×102' S.R.P.(CMP) Broken Back
1 End Sect. 1 Hdwl.
D.A. = 15 Ac. Q = 21 c.f.s.
L.F. 0.2 H.W. = 2.4'
See Sketch Below & Sheet No. 34
Sta. 220+60 80' Rt. Install
80 Lin. Ft. 8" Type A or G Underdrain
Outlet Pipe, 1 Guide Post, 1 Conc.
Outlet Flume
See Sheet No. 42
Sta. 224+00 Install
24"×156' C.R.P. 2 End Sect.
70' Lt. 86' Rt.
D.A. = 9 Ac. Q = 44 c.f.s.
L.F. = 0.4 H.W. = 2.0'
Note:
For Interchange Layout & X-Road
Drainage Detail See Sheets 15 & 17
Curve Data Centerline
Δ = 9°49'-24.33"
D = 1°-00'-00
R = 5729.65'
T = 492.39'
L = 982.35'
E = 21.12
P.C. Sta. 230+23.05
P.I. Sta. 235+15.44
P.T. Sta. 240+05.40
S.E. = 0.022'/Ft.
P.C. Sta 230+23.05
Sta. 232+75 Const.
Type III Inlet 19.5' Lt. ℄
Install 1.5⁴ 54' C.R.P. (MAC)
See Sheet No. 34 & 35
Invert El. 1315.39
P.I. Sta. 235+15.44 Bk.
= P.I. Sta. 235+13.01 Ahd.
P.O.T. Ref. Sta. 237+82.90 ℄
1. ½" Rebar @ P.O.T.
2. 151.6' E. Spike in top fence post, E.W. fence
3. 158.8 S.W. Spike in power pole
4. 1.6' N. E-W. Fence line
P.T. Sta. 240+05.40
Sta. 241+29.13 FAI # A35
Sta. 50+00 25th St. Relocated
Flood Control & Pearle E. Woods
Grading Contractor shall complete all roadway excavation and embankment in the vicinity of the Bridge prior to the construction of piers and abutments.
Channel
R/W 150' ℄
Meander Line
FL. Elev. 1317.10
FL. Outlet 1315.84
RIVER
Flood Control & Anna Mc Lean
Flood Control & Walter C. Sturm
FL. Elev. 1317.10
FL. Outlet 1315.00
FL. Outlet 1316.80
FL. Elev. 1317.10
Flood Control & Elmer O. Reaves
Ramp C
Ramp D
Ramp B
Ramp A
℄ Prop. Improvement
Channel R/W
City Limits = Channel R/W = R/W
Base Line
For Heavy Stone Rip Rap See Sheet No. 30
FL. Outlet 1301.60
Invert El. 1315.39
Sta. 217+75 Const.
Type II Inlet on ℄
Install 18"×119' C.R.P. (CMP)
Broken Back
See Sheet No. 33 & 35
BIG ARKANSAS
City Limits
Br. No. A35-87
See Sheet No. 44 & 45
Outlet
Large Trees to be Grubbed
Sta. 213+00 to Sta. 245+00 1-120"
4-40", 6-50", 4-60", 5-70", 4-80", 2-90", 2-100"
All Trees to be Grubbed are Marked Thus
Total = 28
MC LEAN BLVD.
BLUEBIRD DR.
J.T. Dotts Jr.
Anna McLean
Relocated McLean Boulevard
Type II Frontage Road
Sta. 222+75 Const.
Type III Inlet 19.5' Lt. ℄
Install 1.5⁴ 56' C.R.P. (MAC)
See Sheet No. 34 & 35
FL. Outlet 1312.55
Invert El. 1315.39
Sta. 227+75
Type II Inlet on ℄
Install 18"×82' C.R.P.
See Sheet No. 33 & 35
BENJAMIN COURT
BENJAMIN DR.
FL. Outlet 1313.42
G.H. Hastings
Eunice N. Hall
Sta. 232+75 Const.
Type II Inlet on ℄
Install 18"×78' C.R.P.
See Sheet No. 33 & 35
Anna McLean
CARDINAL DR.
℄ Sta 235+00
Sta. 237+75 Const.
Type III Inlet 17.0' Rt. ℄
Install 1.5⁴ 66' C.R.P. (MAC)
Rotate 20° Lt.
See Sheet No. 34 & 35
Sta. 240+00 Install
24"×140' C.R.P. 2 End Sect.
70'-6" Lt. 69'-6" Rt.
D.A. = 4 AC. Q = 7 c.f.s.
L.F. = 0.35 H.W. = 1.3
Sta. 237+87.09 Const.
Br. No.
40'-70'-70'-40' R.C.B.G. Spans
56' Roadway
See Sheet No. 46-53
Anna McLean
Cultivated
GARDENS
North Ridge Addition
Elmer O. Reaves
BENJAMIN HILLS ESTATES
B.M. # 147 R.R. Spike in 70" Elm 76' Lt. Sta. 216+81 ℄ Elev. 1317.45
B.M. # 148 R.R. Spike in 70" Stump 83' Rt. Sta. 223+72 ℄ Elev. 1317.50
B.M. # 149A R.R. Spk. in 70" Tree Sta. 241+56, 151' Lt. ℄ Elev. 1319.60
For Earthwork Quantities See Sheet No. 8
8' Sp. Dt. Lt.
Toe Dt. Rt.
CMP
8' Sp. Dt. Rt.
Drainage Lt. See Sheet No. 19
Drainage Rt. See Sheet No. 19
Ground Line
Special Median Ditch
0.00%
FL. El. 17.89
FL. El. 18.89
-0.20%
+0.40%
-0.40%
0.10% Lt.
+0.12% Lt.
0.20% Rt.
Cr. Gr. El. 1320.58
FL. El. Lt. 1315.61
FL. El. Rt. 1311.70
FL. El. 1303.50
FL. El. 1311.60
El. Lt. 16.30
El. Rt. 13.20
Cr. Gr. El. 1320.58
FL. El. Lt. 1316.10
FL. El. Rt. 1315.80
FL. El. 1309.70
FL. El. 1311.60
+0.50%
+13.06%
SKETCH SHOWING 30"×102' S.R.P. (CMP)
STA. 222+49.5 114' RT. TO STA. 223+50 100' RT.
1330
1320
1310
215
220
225
230
235
240
PLAN
PROFILE
PLATE 1 PLAN-PROFILE