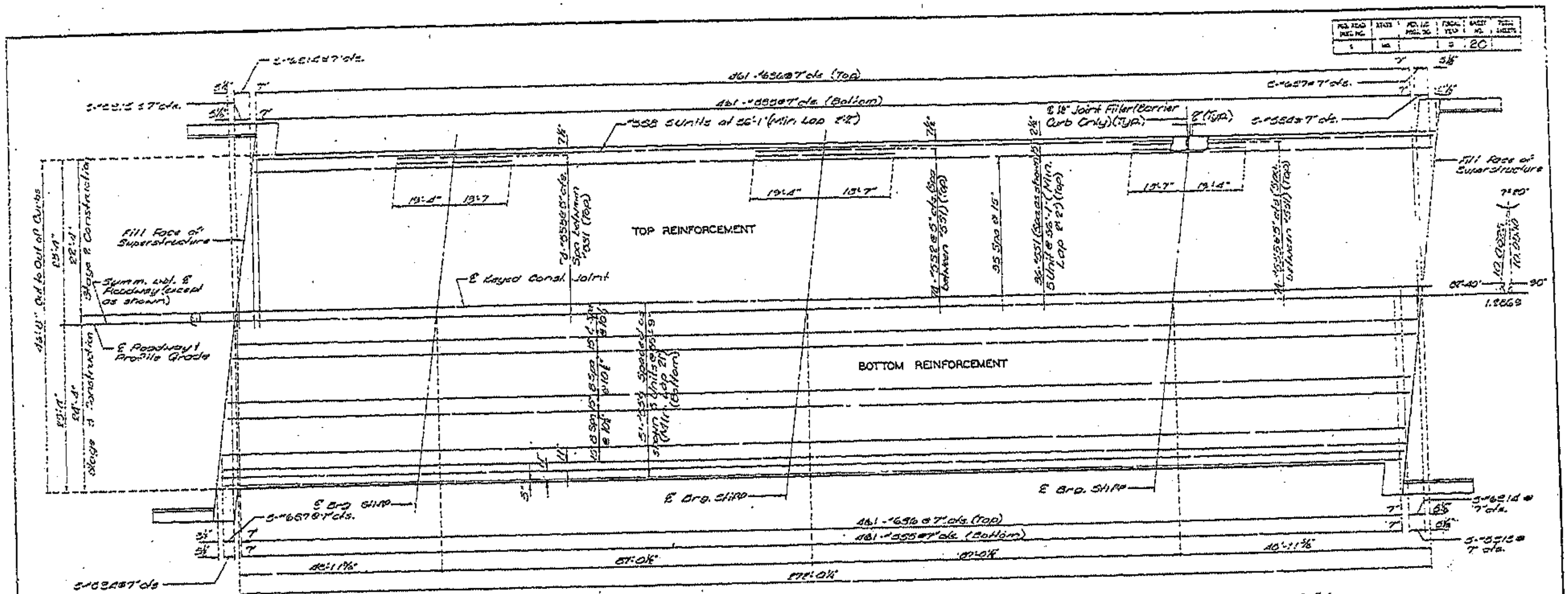
EXHIBIT A



PLAN OF SLAB SHOWING REINFORCEMENT

Note: For details of Keyed Construction Joint see sheet No. 12.

Note: For details and reinforcement of Safety Barrier Curb and Sidewalk see sheet No. 10. For details of pedestrian fence see sheet No. 10.

Note: Longitudinal dimensions shown are taken parallel to grade of top of slab.
For location and details of slab drains see sheet No. 16.
For slab pouring sequence see sheet No. 12.

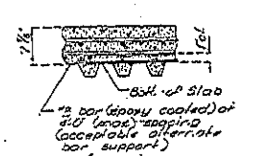
* {Min. Lap #5-bar = 21" / Min. Lap #6-bar = 25"}

Stage 2 Construction: Shift one-way traffic (10' Lane) to right side of existing bridge. Remove left half of existing bridge and construct left half of proposed bridge.

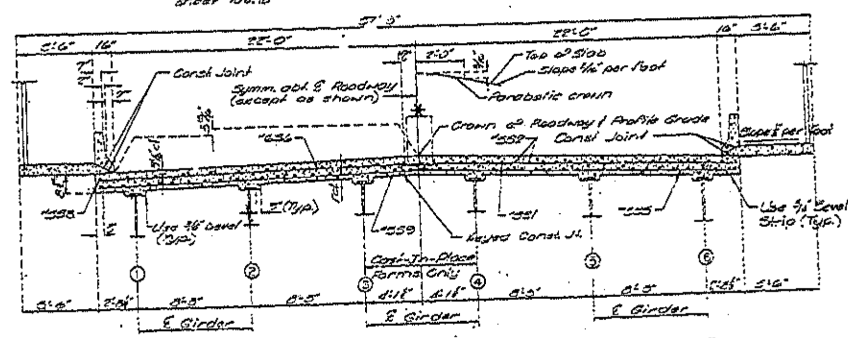
Stage 3 Construction: Place two-way traffic on completed portion of proposed bridge. Remove right half existing bridge and construct right half of proposed bridge.

Handle traffic (un ier) on Rte I-270 during construction.

Note: Bottom transverse reinforcing steel shall be placed to match the corrugation valleys of forms.



LONGITUDINAL SECTION THRU SLAB (S.I.P. Option)



HALF SECTION NEAR ℄ SPAN

HALF SECTION NEAR INT BENT

DETAILED: JAN 1984
CHECKED: K/R 1984

Note: This drawing is not to scale. Follow dimensions.

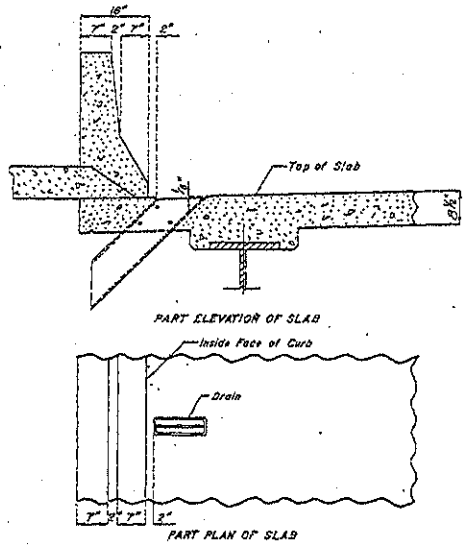
Sheet No. 15 of 15.

ST. LOUIS COUNTY

A-4297

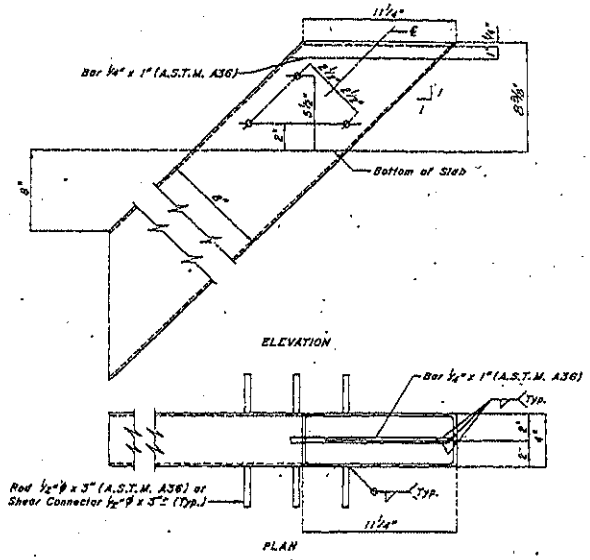
70 477

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	MO.		19	23	



PART ELEVATION OF SLAB

PART PLAN OF SLAB



ELEVATION

PLAN

SLAB DRAIN DETAILS

GENERAL NOTES:

SLAB DRAINS MAY BE FABRICATED OF EITHER 1/4" WELDED SHEETS OF A.S.T.M. A36 STEEL OR FROM 1/4" STRUCTURAL STEEL TUBING A.S.T.M. A500 OR A501.

OUTSIDE DIMENSIONS OF DRAINS ARE 4"x4".

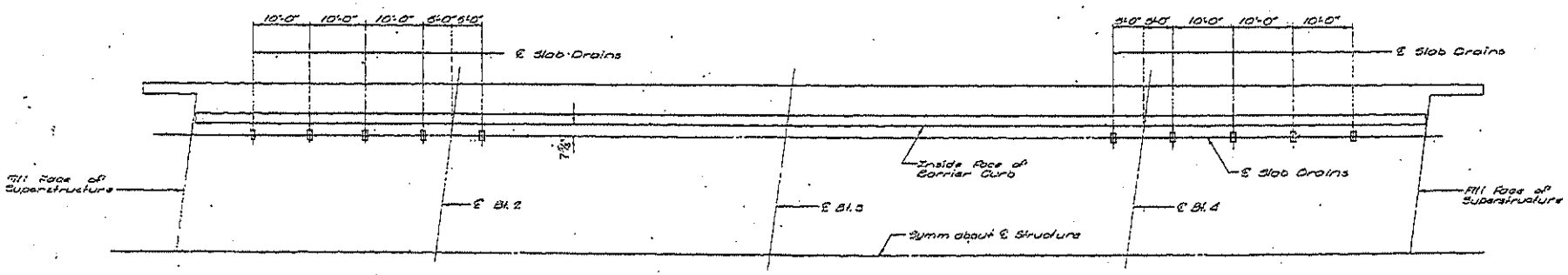
THE DRAINS SHALL BE CAST IN THE CONCRETE WITH THE TOP OF THE DRAINS BEING 1/8" BELOW THE FINISHED CONCRETE LINE.

LOCATE DRAINS IN THE SLAB BY DIMENSIONS SHOWN IN THE PART ELEVATION.

SHIFT REINFORCING STEEL IN FIELD WHERE NECESSARY TO CLEAR DRAINS.

THE DRAINS SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A123.

SHOP DRAWINGS WILL NOT BE REQUIRED FOR THE SLAB DRAINS.



PLAN OF SLAB SHOWING SLAB DRAIN LOCATION

73402

STD. S.D.-N.W.S.	REVISED
FEB. 1975	MAR. 1975

DETAILED JAN 1984
CHECKED MAR 1984

Note: This drawing is not to scale. Follow dimensions.

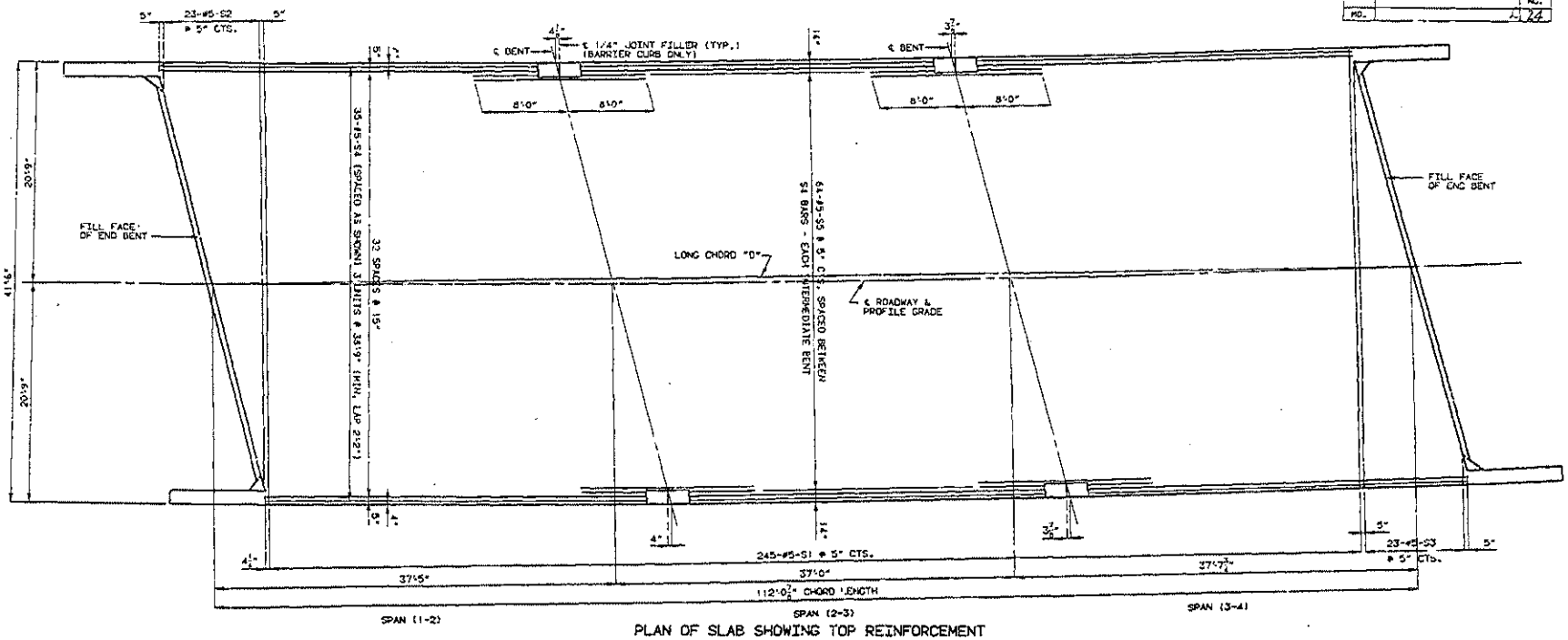
Sheet No. 16 of 19

ST. LOUIS COUNTY

A-4297

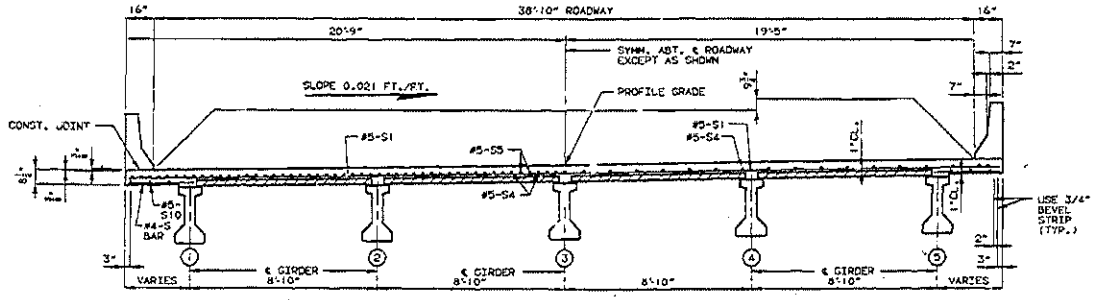
EXHIBIT A

STATE	PROJ. NO.	SHEET NO.
MO.		24



PLAN OF SLAB SHOWING TOP REINFORCEMENT

NOTE: LONGITUDINAL DIMENSIONS ARE HORIZONTAL LENGTHS ALONG LONG CHORD.
FOR PLAN OF SLAB SHOWING BOTTOM REINFORCEMENT AND SLAB POURING SEQUENCE, SEE SHEET NO. 13.
FOR DETAILS OF PRECAST PANEL FORMS, SEE SHEET NO. 10.
FOR THEORETICAL SLAB HAUNCHING AND CAMBER DIAGRAMS, SEE SHEET NO. 9.
FOR LOCATION OF SLAB DRAINS, SEE SHEET NO. 11.
LONGITUDINAL REINFORCING SHALL BE PLACED PARALLEL TO ℄ ROADWAY.
TRANSVERSE REINFORCING SHALL BE PLACED NORMAL TO LONG CHORD.



HALF SECTION NEAR INT. BENT

HALF SECTION NEAR CENTER OF SPAN

NOTE: FOR DETAILS AND REINFORCEMENT OF SAFETY BARRIER CURB NOT SHOWN SEE SHEET NO. 14.

DETAILED OCT. 1992
CHECKED JUNE 1993

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

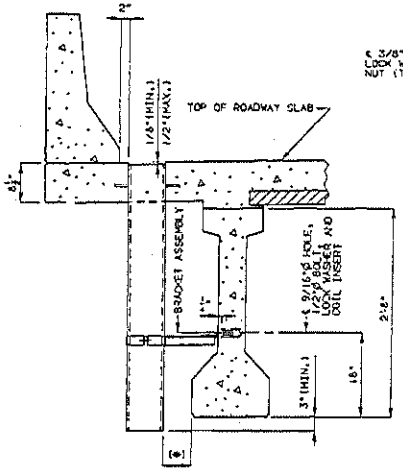
SHEET NO. 12 OF 21.

ST. LOUIS COUNTY

A-5C43

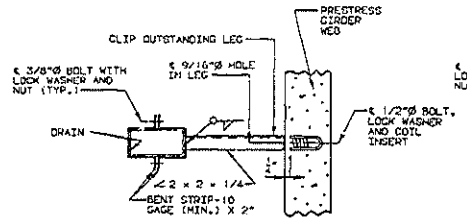
523 ~~522~~ 365

STATE	PROJ. NO.	SHEET NO.
MO.		23

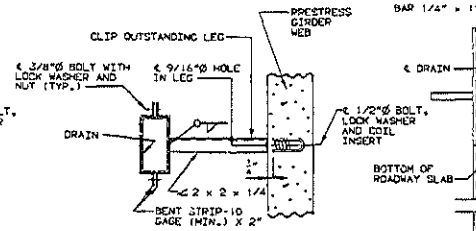


PART ELEVATION OF SLAB AT DRAIN

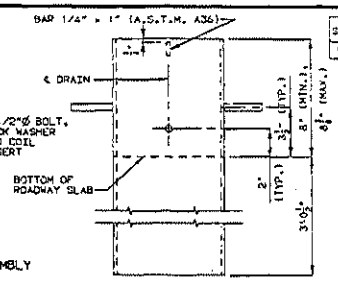
(*) IF DIMENSION IS LESS THAN 1", DRAINS SHALL BE PLACED PARALLEL TO ROADWAY, OTHERWISE PLACE DRAINS TRANSVERSE TO ROADWAY.



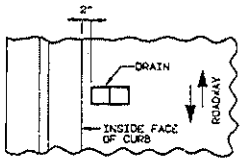
PART SECTION SHOWING BRACKET ASSEMBLY



PART SECTION SHOWING BRACKET ASSEMBLY

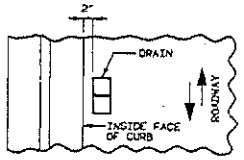


ELEVATION OF DRAIN



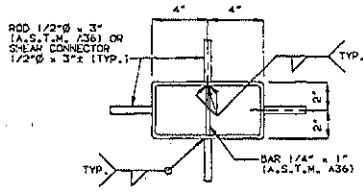
PART PLAN OF SLAB AT DRAIN

DETAILS OF DRAINS TRANSVERSE TO ROADWAY



PART PLAN OF SLAB AT DRAIN

DETAILS OF DRAINS PARALLEL TO ROADWAY



PLAN OF DRAIN

GENERAL NOTES:

SLAB DRAINS MAY BE FABRICATED OF EITHER 1/4" WELDED SHEETS OF A.S.T.M. A36 STEEL OR FROM 1/4" STRUCTURAL STEEL TUBING A.S.T.M. A500 OR A501.

OUTSIDE DIMENSIONS OF DRAINS ARE 8" x 4".

LOCATE DRAINS IN THE SLAB BY DIMENSIONS SHOWN IN THE PART ELEVATION.

SHIFT REINFORCING IN FIELD WHERE NECESSARY TO CLEAR DRAINS.

THE DRAINS AND BRACKET ASSEMBLY SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A123.

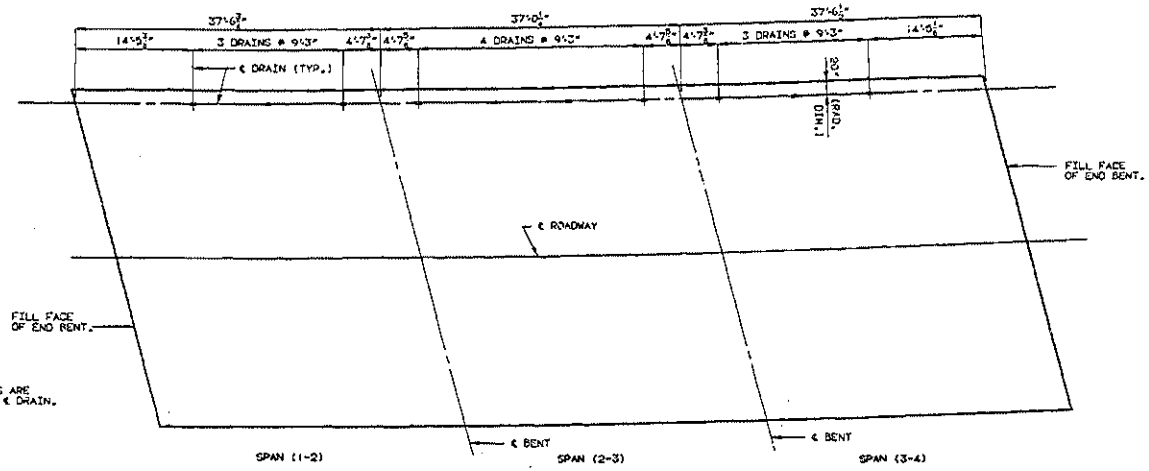
ALL BOLTS, LOCK WASHERS AND NUTS SHALL BE GALVANIZED IN ACCORDANCE WITH A.S.T.M. A153.

SHOP DRAWINGS WILL NOT BE REQUIRED FOR SLAB DRAINS AND THE BRACKET ASSEMBLY.

COIL INSERTS SHALL HAVE A CONCRETE PULL-OUT STRENGTH (ULTIMATE LOAD) OF AT LEAST 2,500 POUNDS IN 5,000 PSI CONCRETE.

THE BOLT HOLE FOR THE BRACKET ASSEMBLY ATTACHMENT SHALL BE LOCATED ON THE PRESTRESSED I-GIRDER SHOP DRAWINGS.

SLAB DRAIN DETAILS



PLAN OF SLAB SHOWING SLAB DRAIN LOCATION

NOTE: LONGITUDINAL DIMENSIONS ARE HORIZONTAL ARC LENGTHS ALONG ℄ DRAIN.

DRAIN .05 3.30,P/S, .10	REVISED
P/S COR. DRAIN	
SEPT. 1992	

DETAILED OCT. 1992
CHECKED JUNE 1993

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 11 OF 91

ST. LOUIS COUNTY

A-5043

5272 364

Google maps

Notes Bridge A4297
Bridgeton, MO
Woodford Way over IS 270

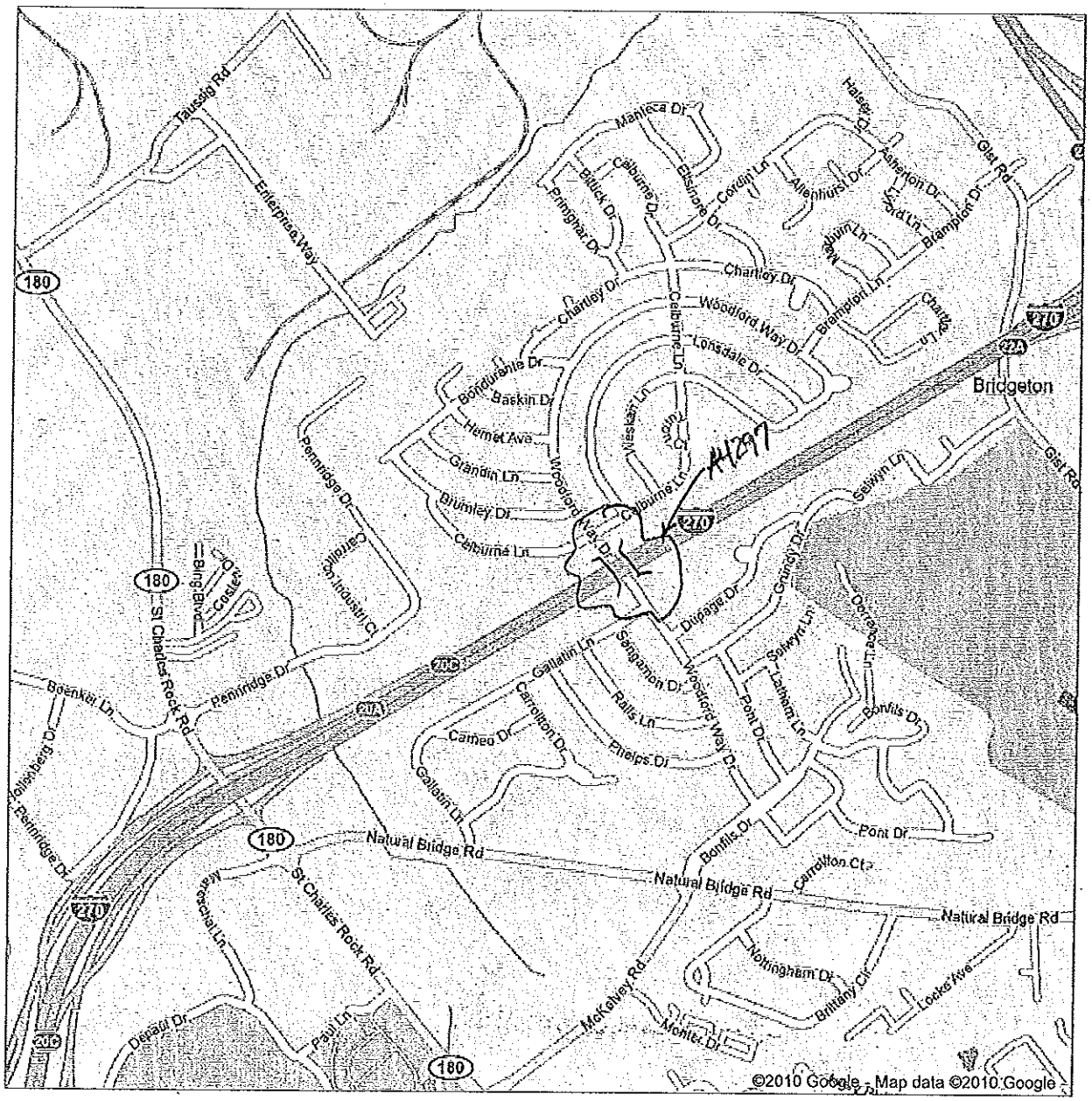


EXHIBIT A

Prir

Google maps

Notes A5043
Rte BA (Babler Park Rd)
Over Bonhomme Ck

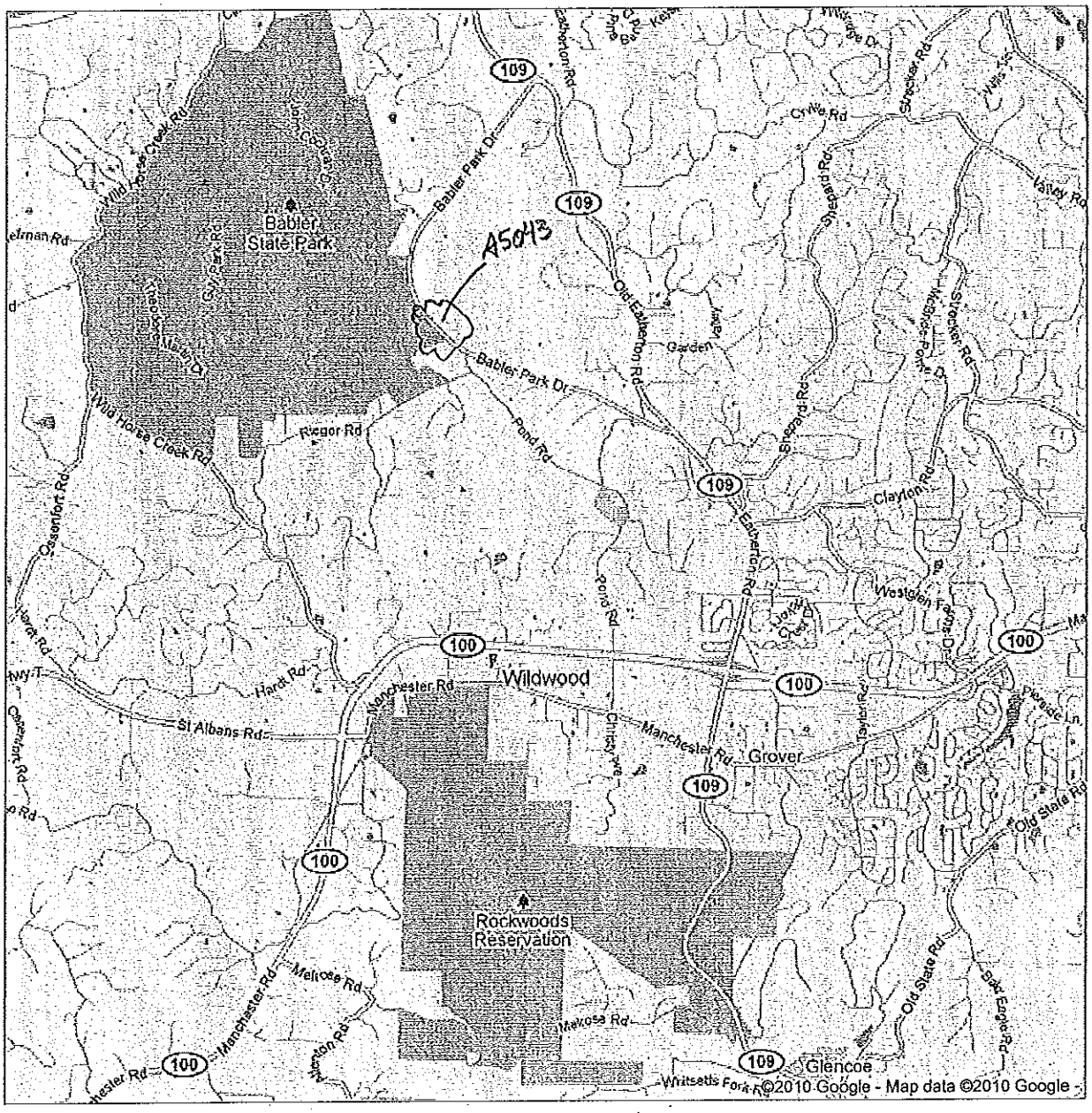


EXHIBIT A