

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		LOGAN	14	1
		ILLINOIS	CONTRACT NO. 72N15	

\*D6 DRAINAGE LOGAN CO 2021

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED IMPROVEMENTS

FAI 55 (I-55)  
SECTION D6 DRAINAGE LOGAN CO 2021  
PROJECT : STATE  
PIPE CULVERT REPLACEMENT  
LOGAN CO.

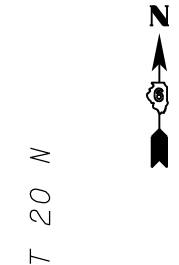
D-96-068-21



I-55 (2019)  
ADT = 15,600  
SU = 475  
MU = 4,550

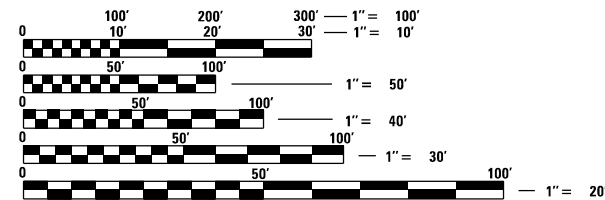
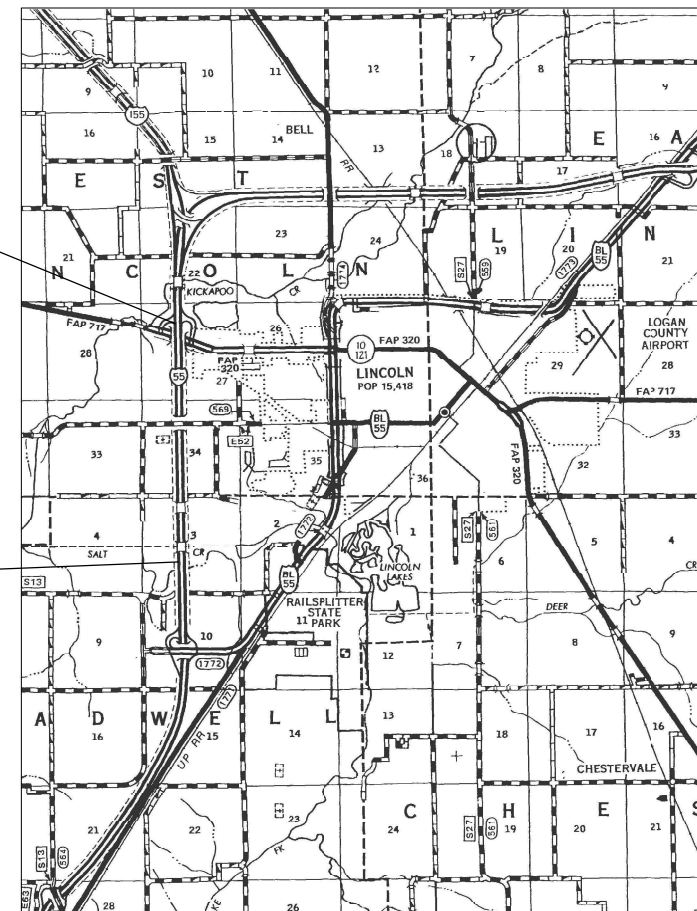
C-96-141-21

R 2 W



END PROJECT  
STA. 370+50

BEGIN PROJECT  
STA. 215+00



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.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER : STEVE BERAN - (217)782-7314  
PROJECT MANAGER : TIM SHARP - (217)524-9160

CONTRACT NO. 72N15

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 29 20 21

*John P. Myer*  
REGION FOUR ENGINEER

August 13 2021  
*Scott A. Clark*  
ENGINEER OF DESIGN AND ENVIRONMENT

August 13 2021  
*James J. ...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



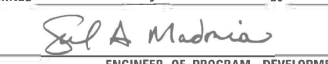
PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & SIGNATURE
3.	SUMMARY OF QUANTITIES
4.	PROJECT LOCATION MAP
5.	DETAILS AND SCHEDULES
6-14.	EXISTING CULVERT PLANS

## STANDARDS

STANDARD NO.	DESCRIPTION
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATION, MULTILANE, MORE THAN 15' (4.5m) AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701406-12	LANE CLOSURE FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701901-08	TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	July 2 20 21
	ENGINEER OF OPERATIONS
EXAMINED	July 2 20 21
	ENGINEER OF PROJECT IMPLEMENTATION
EXAMINED	July 2 20 21
	ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

FILE NAME =	USER NAME = sharptd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS GENERAL NOTES, SIGNATURES</b>	*D6 DRAINAGE LOGAN CO 2021		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\CONTRMAINT_CAD\72N15 -FA1 55 (1-55) median culvert repairs - Logan Co\PLANS\72N15	DRAWN	REVIS	REVIS			55	*	LOGAN	14	2		
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVIS			CONTRACT NO. XXXXX						
	PLOT DATE = 7/2/2021	DATE -	REVIS			ILLINOIS FED. AID PROJECT						

0-02176-6015  
 100% STATE  
 LOGAN  
 ROADWAY  
 0044  
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
28100105	STONE RIPRAP, CLASS A3	SQ YD	100	100
50105220	PIPE CULVERT REMOVAL	FOOT	590	590
50800105	REINFORCEMENT BARS	POUND	301	301
54002020	EXPANSION BOLTS 3/4 INCH	EACH	36	36
54210189	PIPE ELBOW 24"	EACH	18	18
54248510	CONCRETE COLLAR	CU YD	3.5	3.5
60100985	PIPE DRAINS 24"	FOOT	590	590
61000050	CONCRETE THRUST BLOCKS	EACH	9	9
67100100	MOBILIZATION	L SUM	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1

FILE NAME =	USER NAME = sharptd	DESIGNED - _____	REVISED - _____
S:\CONTRMAINT_CAD\72N15 -FAI 55 (1-55) median culvert repairs - Logan Co\PLANS\72N15-DRAWING.dgn		CHECKED - _____	REVISED - _____
Default	PLOT DATE = 7/2/2021	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
 SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

• D6 DRAINAGE LOGAN CO 2021				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	3
CONTRACT NO. 72N15			ILLINOIS FED. AID PROJECT	



END PROJECT  
STA. 370+50

BEGIN PROJECT  
STA. 215+00

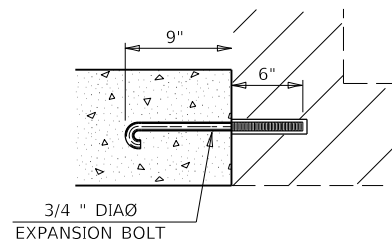
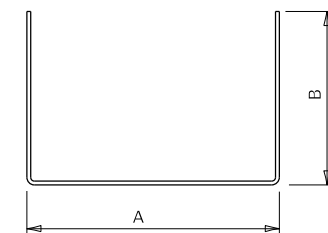
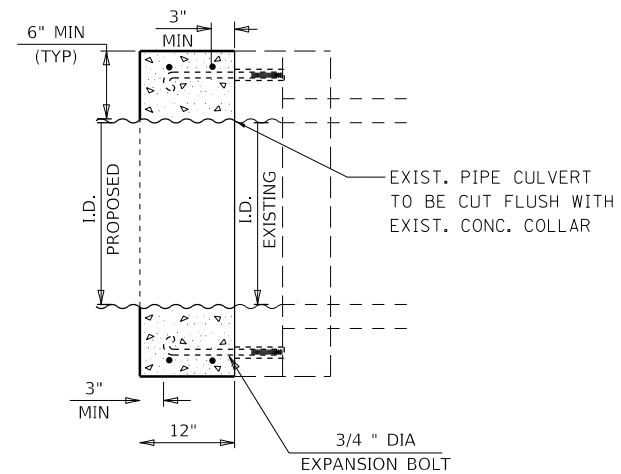
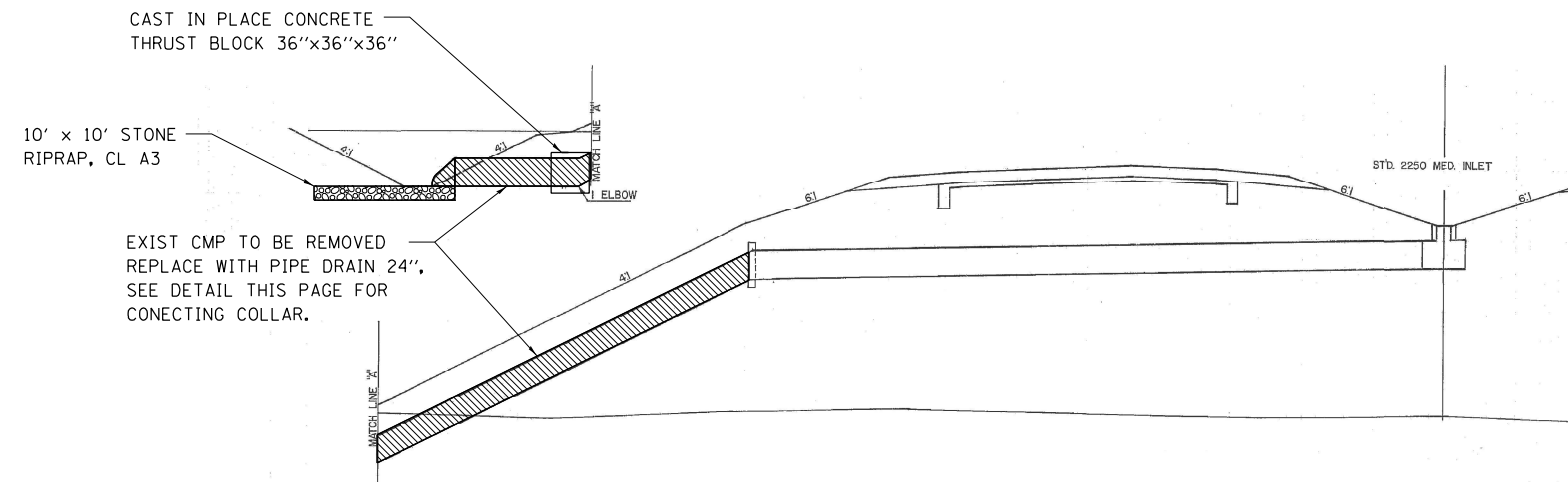
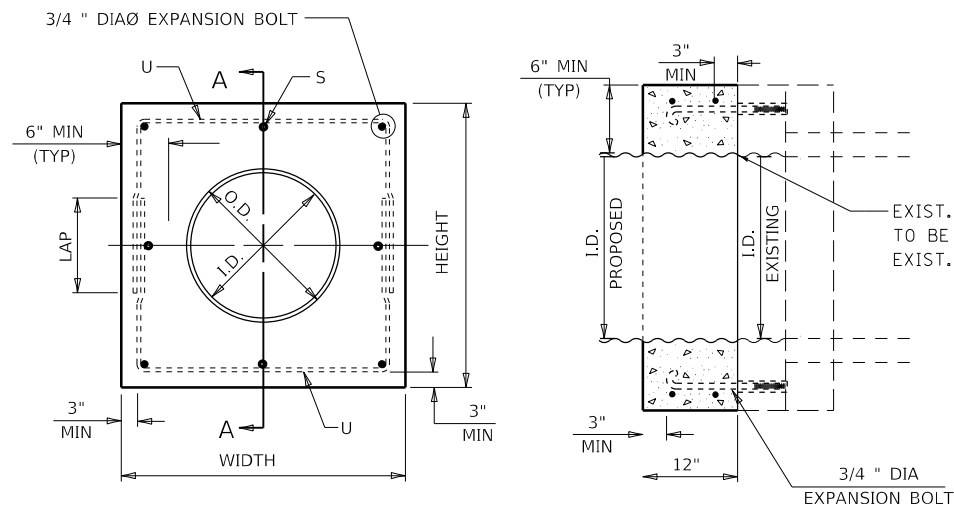
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

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SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

*D6 DRAINAGE LOGAN CO 2021				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	4
			CONTRACT NO. 72N15	
ILLINOIS FED. AID PROJECT				



NOTES:

1. EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" DIAØ HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE. MINIMUM CERTIFIED PROOF LOAD - 4,080 LBS.
2. USE MINIMUM OF 1 (ONE) EXPANSION BOLT AT EACH CORNER.

STATION	PIPE DRAIN	PIPE ELBOW	PIPE CULVERT
	24"	24"	REMOVAL
	LIN. FOOT	EACH	FOOT
215+00 LT	78.00	2 - 15 <sup>o</sup>	78.00
220+00 LT	74.00	2 - 15 <sup>o</sup>	74.00
225+00 LT	70.00	2 - 15 <sup>o</sup>	70.00
239+50 LT	62.00	2 - 15 <sup>o</sup>	62.00
244+50 LT	56.00	2 - 15 <sup>o</sup>	56.00
249+50 LT	44.00	2 - 15 <sup>o</sup>	44.00
258+05 LT	42.00	2 - 15 <sup>o</sup>	42.00
342+25 LT	120.00	2 - 15 <sup>o</sup>	120.00
370+50 LT	44.00	2 - 15 <sup>o</sup>	44.00
<b>TOTALS:</b>	<b>590.00</b>	<b>18.00</b>	<b>590.00</b>

STATION	SECTION TYPE	SKEW	EXISTING CULVERT		PROPOSED CULVERT		COLLAR		REINFORCEMENT BARS							EXPANSION BOLTS 3/4"	CLASS S1 CONCRETE COLLAR		
			SIZE	I.D.	O.D.	HEIGHT	WIDTH	S BAR			U BAR				LB				
								NO.	SIZE	LENGTH	NO.	SIZE	A	B				LAP	LENGTH
215+00 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
220+00 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
225+00 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
239+50 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
244+50 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
249+50 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
258+05 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
342+25 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
370+50 LT	A	0	24	24	25	42	42	4	#5	6"	4	#5	36"	27"	18"	90"	33.4	4	0.38
<b>TOTALS</b>																			

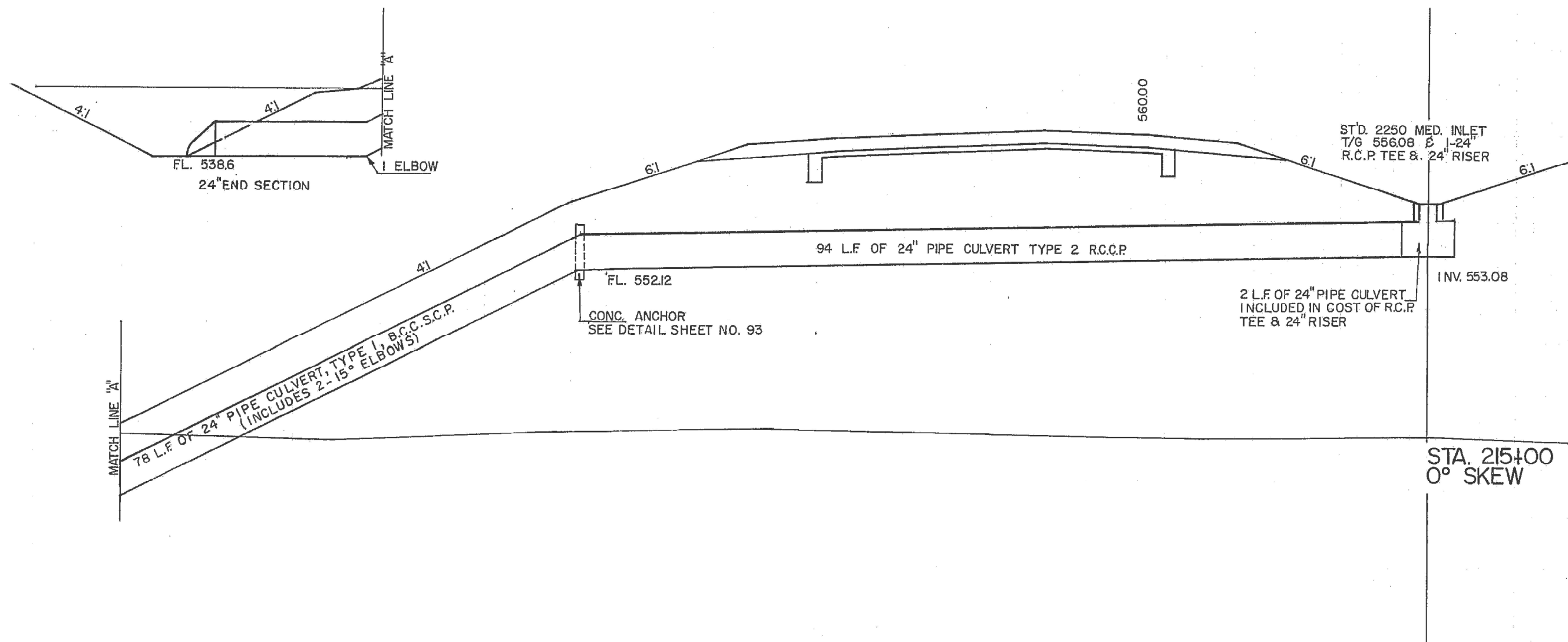
REV. - MS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: _____		SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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*D6 DRAINAGE LOGAN CO 2021				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	5
CONTRACT NO. 72N15				
ILLINOIS FED. AID PROJECT				



CONTRACTOR SHALL VERIFY LENGTHS  
BEFORE ORDERING CULVERTS  
(SEE SHEET 5 FOR DETAILS)

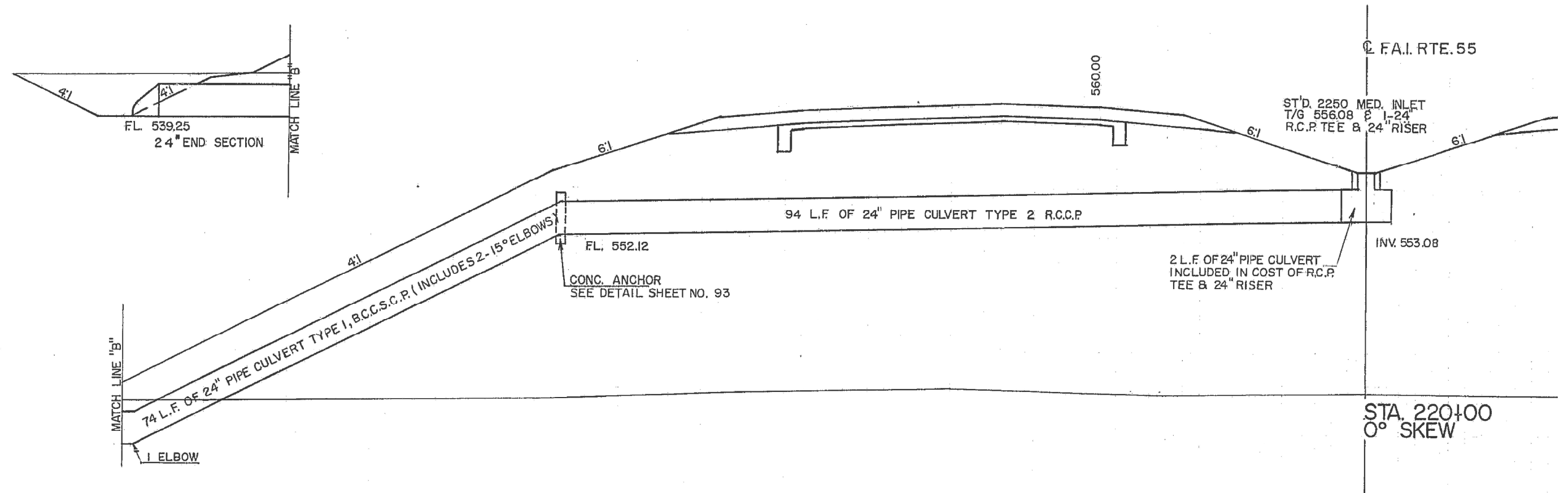
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLAN

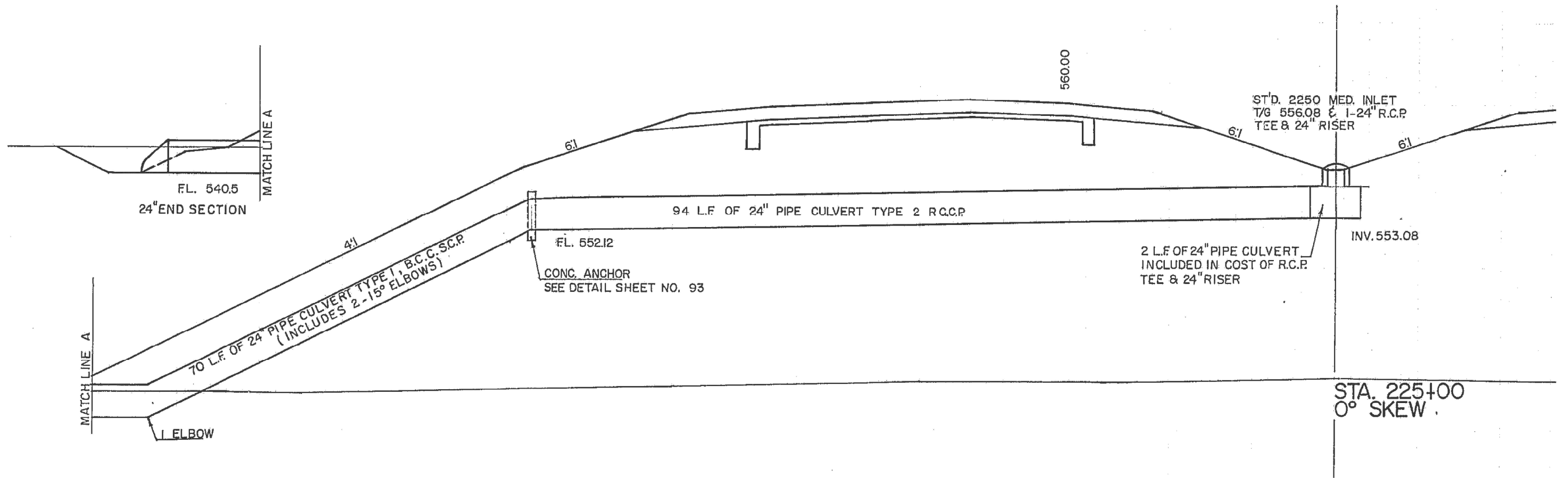
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*D6 DRAINAGE LOGAN CO 2021				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	6
CONTRACT NO. 72N15				
ILLINOIS FED. AID PROJECT				



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FILE NAME =	USER NAME = sharptd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CULVERT PLAN</b>		*D6 DRAINAGE LOGAN CO 2021			
S:\CONTRMAINT_CAD\72N15 -FAI 55 (1-55) median culvert repairs - Logan Co\PLANS\72N15-55\DRAWN\plan.dgn	DRAWN - _____	REVISED - _____	REVISED - _____				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
Default	PLOT SCALE = 20.0000' / in.	CHECKED - _____	REVISED - _____		55	.	LOGAN	14	7	
	PLOT DATE = 7/6/2021	DATE - _____	REVISED - _____		CONTRACT NO. 72N15				ILLINOIS FED. AID PROJECT	



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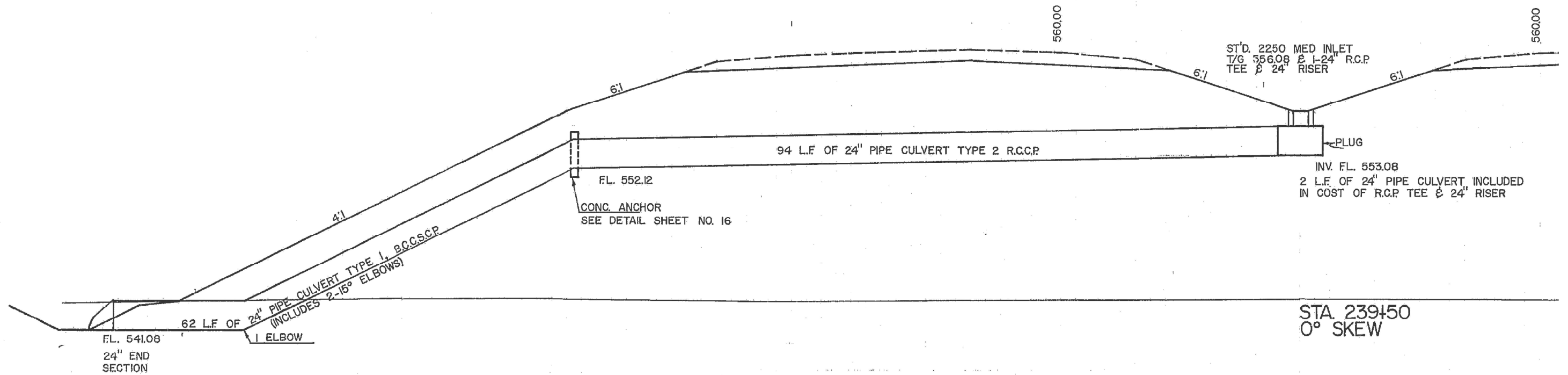
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLAN

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

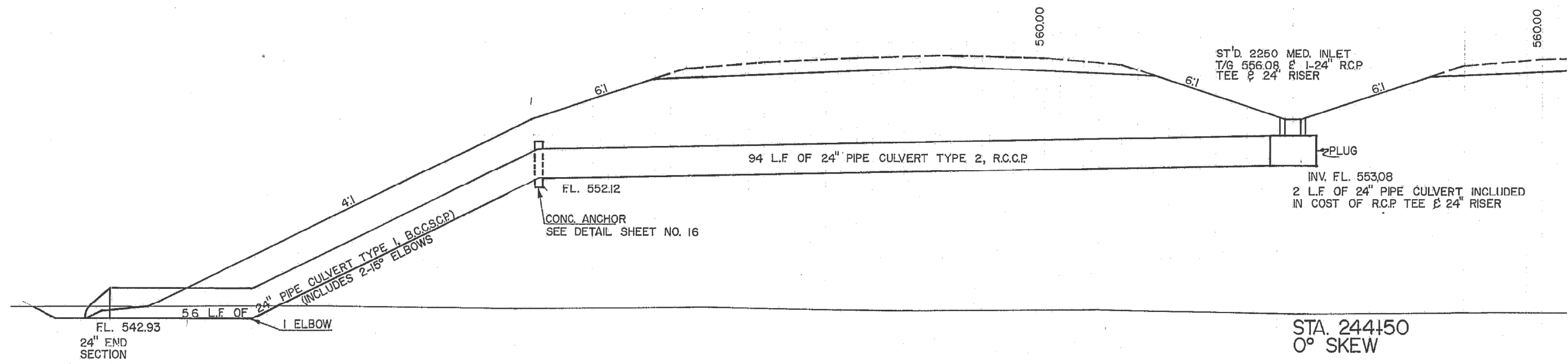
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	8
CONTRACT NO. 72N15				
ILLINOIS FED. AID PROJECT				





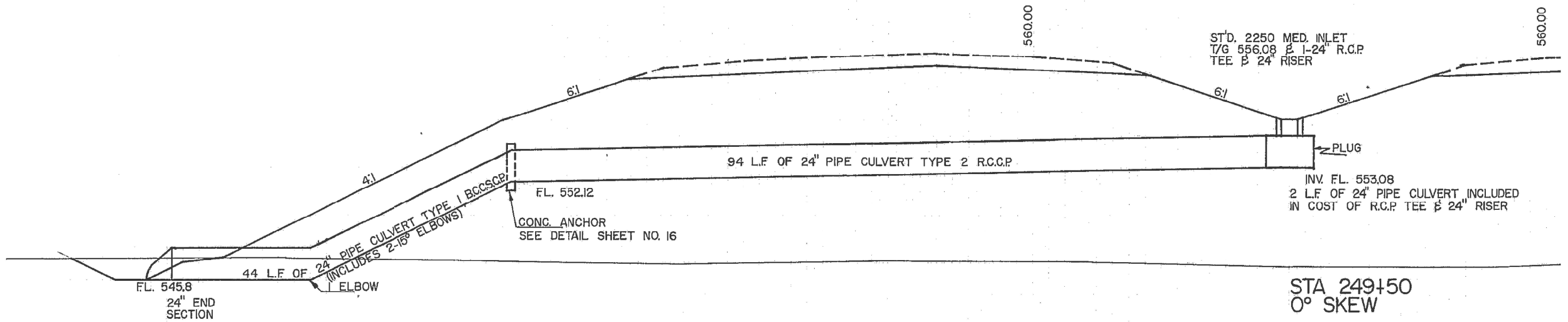
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FILE NAME =	USER NAME = sharptd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CULVERT PLAN</b>	*D6 DRAINAGE LOGAN CO 2021				
S:\CONTRMAINT_CAD\72N15 -FAI 55 (1-55) median culvert repairs - Logan Co\PLANS\72N15-51\DRAWN\plan.dgn	DESIGNED - _____	REVISED - _____	REVISED - _____			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20.0000' / in.	CHECKED - _____	REVISED - _____			55	*	LOGAN	14	9
	PLOT DATE = 7/6/2021	DATE - _____	REVISED - _____			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 72N15		
						ILLINOIS FED. AID PROJECT				



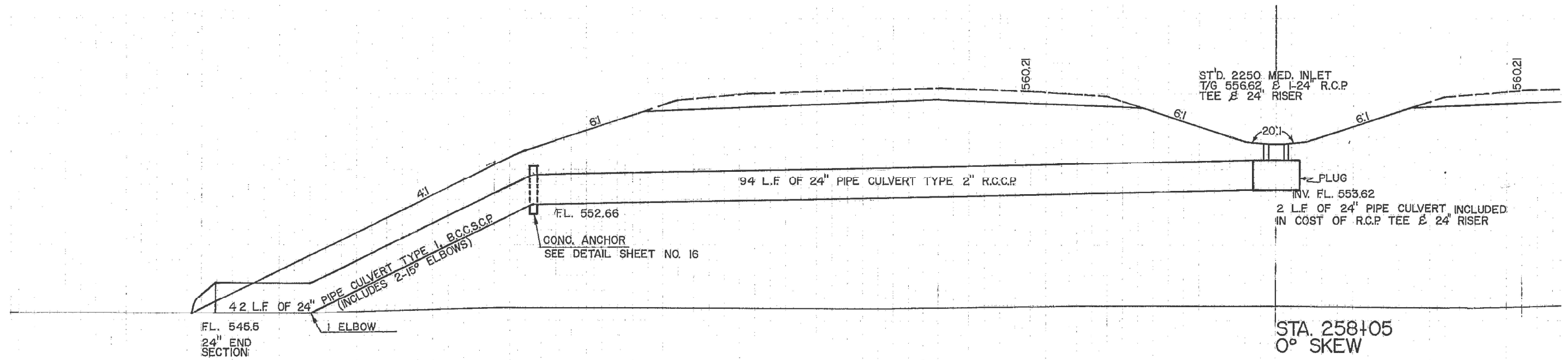
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FILE NAME =	USER NAME = sharptd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING CULVERT PLAN</b>	*D6 DRAINAGE LOGAN CO 2021				
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	PLOT DATE = 7/6/2021	DATE - _____	REVISED - _____			CONTRACT NO. 72N15				ILLINOIS FED. AID PROJECT
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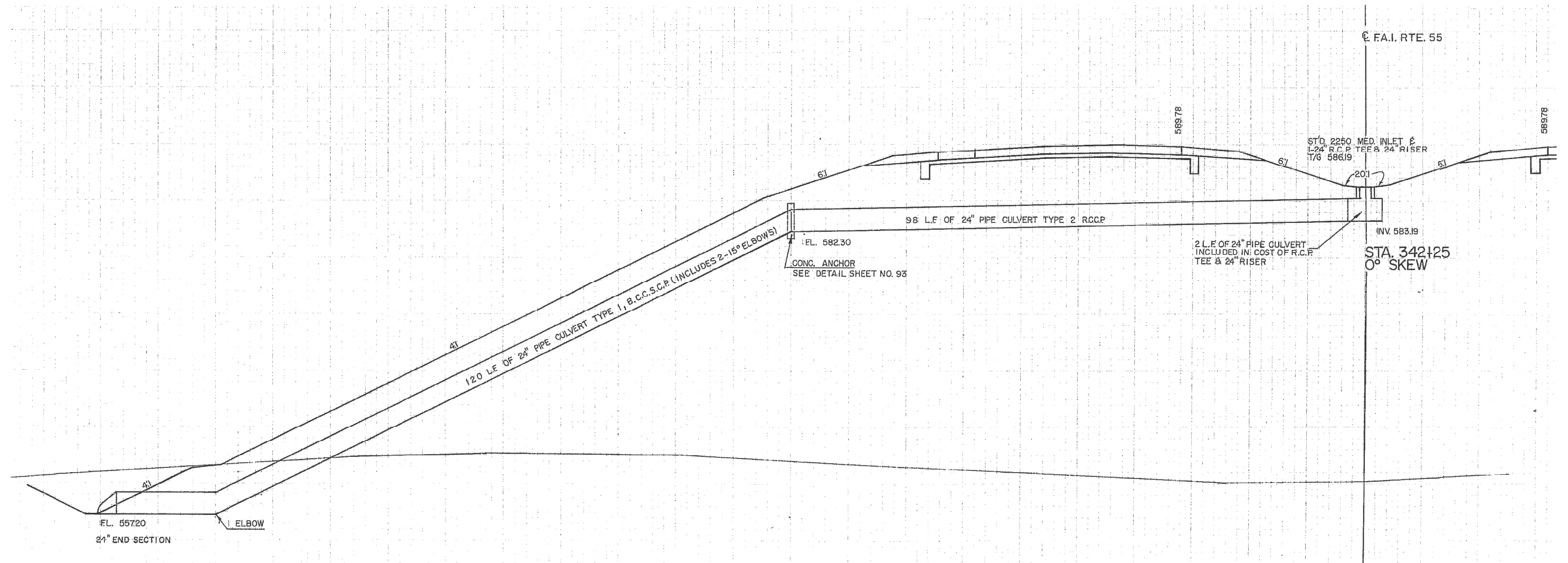
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S:\CONTRMAINT_CAD\72N15 -FAI 55 (1-55) median culvert repairs - Logan Co\PLANS\72N15-51\DRAWN\plan.dgn	DRAWN - _____	REVISED - _____	REVISED - _____			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 20.0000' / in.	CHECKED - _____	REVISED - _____			55	*	LOGAN	14	11
	PLOT DATE = 7/6/2021	DATE - _____	REVISED - _____			CONTRACT NO. 72N15				ILLINOIS FED. AID PROJECT



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Default	PLOT SCALE = 20.0000' / in.	CHECKED - _____	REVISIONS		55	*	LOGAN	14	12
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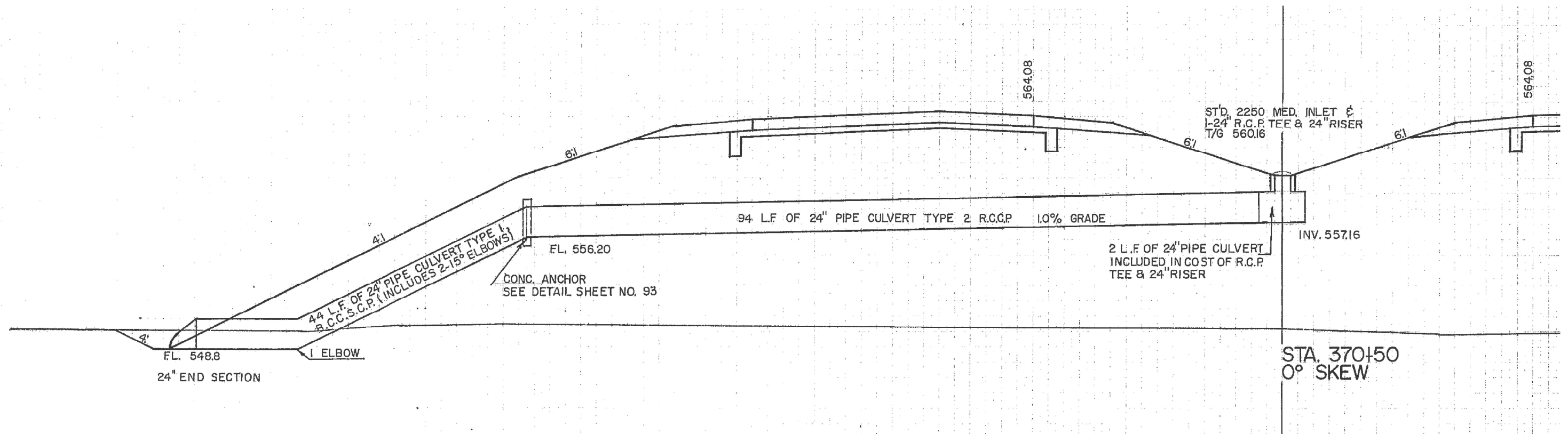
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Default	PLOT SCALE = 20.0000' / in.	DATE - _____	REVISED - _____
	PLOT DATE = 7/6/2021		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLAN  
SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

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ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 7/6/2021	DATE - _____	REVISED - _____

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLAN

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

*D6 DRAINAGE LOGAN CO 2021				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	LOGAN	14	14
			CONTRACT NO. 72N15	
ILLINOIS FED. AID PROJECT				