

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	1
		ILLINOIS	CONTRACT NO. 72656	

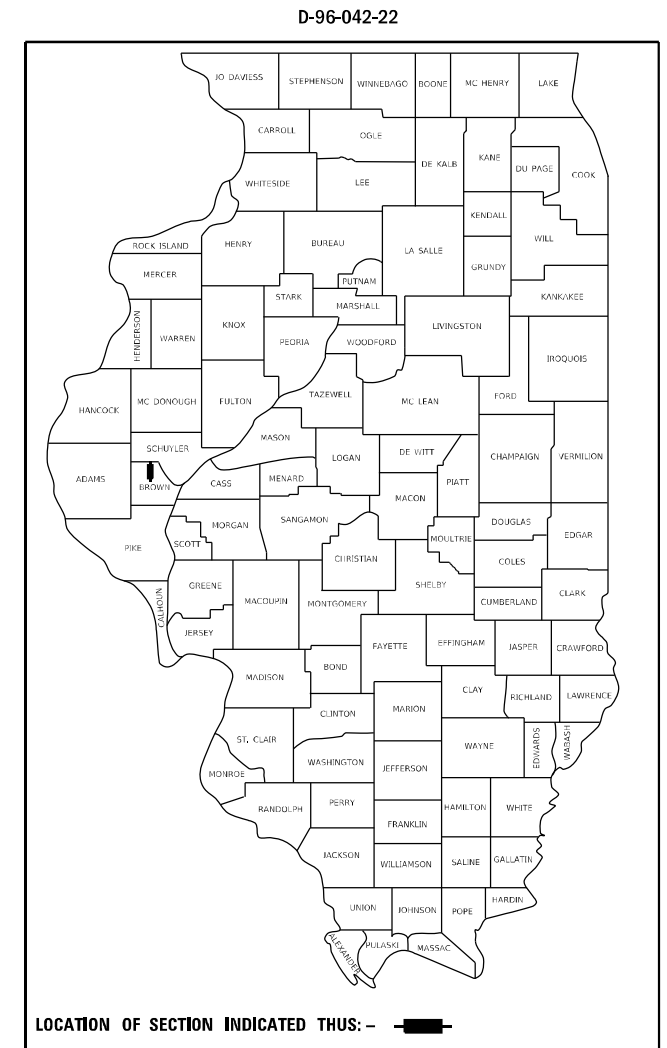
FOR INDEX OF SHEETS, SEE SHEET NO. 2

- |           |           |           |
|-----------|-----------|-----------|
| 000001-08 | 701001-02 | 701311-03 |
| 001001-02 | 701006-05 | 725001-01 |
| 001006    | 701201-05 |           |
| 442201-03 | 701301-04 |           |
| 542201-02 | 701306-04 |           |
| 542301-03 | 701326-04 |           |
| 630001-12 | 701901-08 |           |
| 630101-10 | 780001-05 |           |
| 630106-02 | 781001-04 |           |
| 630301-09 | 782006-01 |           |

# PROPOSED HIGHWAY PLANS

FAP ROUTE 550 (IL 99)  
SECTION 9RS-3, 10RS-2  
PROJECT STP-BYZ3(451)  
STANDARD OVERLAY  
BROWN COUNTY

C-96-050-22

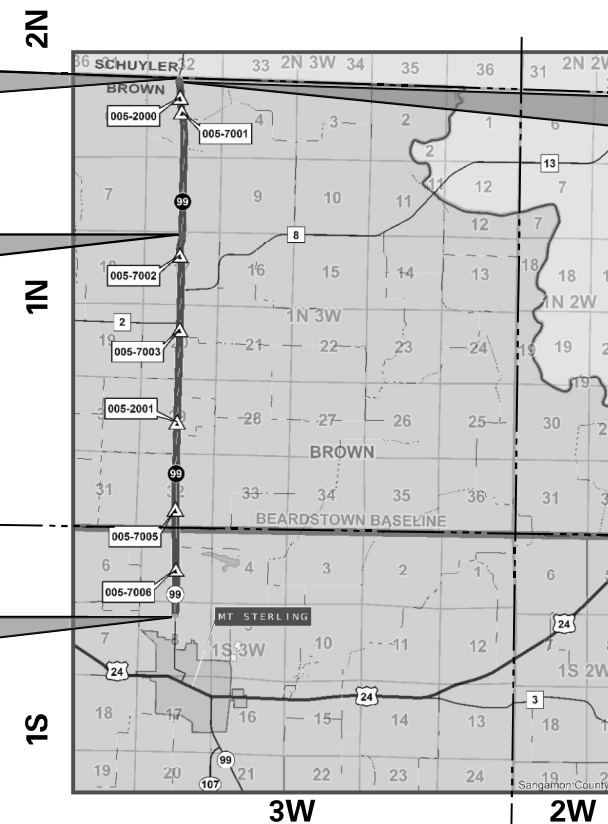


END PROJECT SCHUYLER / BROWN  
COUNTY LINE STA. 439 + 31.41

STATION EQUATION  
STA. 436 + 71.50 AH  
STA. 436 + 90.18 BK

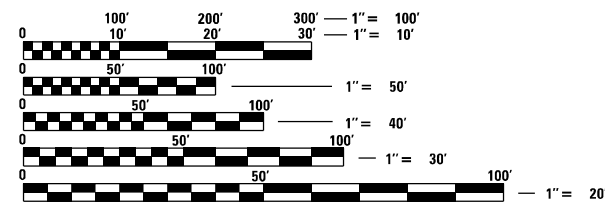
STATION EQUATION  
STA. 326 + 64.62 AH  
STA. 326 + 87.42 BK

BEGIN PROJECT  
STA. 51 + 83.31



## LOCATION MAP

GROSS LENGTH = 38,706.62 FT. = 7.33 MILE  
NET LENGTH = 38,706.62 FT. = 7.33 MILE



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: JON KELLEY 217-785-2739  
PROJECT MANAGER: BRAD BLAKLEY 217-785-2531

CONTRACT NO. 72656

FUNCTIONAL CLASSIFICATION  
MAJOR COLLECTOR (FC-5)

2021 ADT = 850  
P.V. = 85.88% S.U. = 8.24% M.U. = 5.88%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 22, 2023

*John P. May*  
REGIONAL ENGINEER

May 12, 2023 *Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 *Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## GENERAL NOTES

- CONSTRUCTION OPERATIONS FOR HMA SHOULDERS, 6" SHALL NOT BEGIN UNTIL HMA SURFACE REMOVAL IS COMPLETE.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 785-5306 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL
- NO PASSING ZONES TO BE FIELD VERIFIED BY THE DISTRICT 6 BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH. 217-785-5306)
- ALL GUARDRAIL SHALL HAVE A PRELIMINARY LAYOUT. GUARDRAIL POSTS SHALL BE ADJUSTED SO AS TO MISS ANY SHOULDER DRAINS, INLETS, PIPE CULVERTS, STORM SEWER OR ANY OTHER HAZARD THAT MAY INTERFERE WITH GUARDRAIL CONSTRUCTION.
- FOR HORIZONTAL CONTROL AND CENTERLINE METADATA, PLEASE CONTACT IDOT DISTRICT 6 CHIEF OF SURVEYS AT 217-782-8707.

## COMMITMENTS

## MIXTURE REQUIREMENTS

LOCATION:	MAINLINE			SIDERoads
MIXTURE USE:	HMA SURFACE	HMA SHOULDERS LOWER LIFTS	HMA SHOULDERS SURFACE LIFT	INCIDENTAL HMA
PG:	PG 58-28	PG 64-22 OR PG 58-28	PG 58-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIX COMPOSITION:	IL-9.5	IL-19.0	IL-9.5	IL-9.5
FRICTION AGGREGATE:	MIX "C"	N/A	MIX "C"	MIX "C"
MIX WEIGHT:	112 LB/SY*IN	112 LB/SY*IN	112 LB/SY*IN	112 LB/SY*IN
QUALITY MANAGEMENT:	QCP	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	1000 TONS	N/A	N/A	N/A
MTD:	YES	NO	NO	NO

## RATES OF APPLICATION USED TO CALCULATE PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT) 0.05 LB/SQ. FT. (EXIST HMA, MILLED SURF.)  
 BITUMINOUS MATERIALS (TACK COAT) 0.025 LB/SQ. FT. (BETWEEN HMA LIFTS)  
 HMA SURFACE/BINDER 0.056 TON/SQ. YD.\*IN  
 AGGREGATE MATERIAL 1.80 TON/CU. YD. (SURFACE, BASE, SUBBASE)  
 AGGREGATE SHOULDERS 1.60 TON/CU. YD.

RIPRAP 1.50 TON/CU. YD.  
 NITROGEN FERTILIZER NUTRIENT 90 LBS./ACRE  
 PHOSPHORUS FERTILIZER NUTRIENT 90 LBS./ACRE  
 POTASSIUM FERTILIZER NUTRIENT 90 LBS./ACRE  
 AGRICULTURAL GROUND LIMESTONE 2.0 TON/ACRE  
 MULCH 2.0 TON/ACRE

## INDEX OF SHEETS

01	COVER SHEET
02	GENERAL NOTES, INDEX
03-04	SUMMARY OF QUANTITIES
05-09	TYPICAL SECTIONS
10-17	SCHEDULES
18-31	PLAN SHEETS
32-34	GUARDRAIL - LENGTH OF NEED
35-37	DRILLED SHAFT DETAILS
38-42	PROJECT DETAILS
43-54	CROSS SECTIONS

## BENCHMARKS

BENCHMARK	NAVD88 ELEVATION	DESCRIPTION
BM WS-19	616.134	set chsl d [] center E hdwl culvert approx 1850 ft S of TR1720N @ 374+76.33, 23.71' RT
BM WS-21	540.786	set chsl d [] center W hdwl culvert approx 470 ft N of TR1750N

D672656 Traverse Stations		NAD83/2011 adj State Plane IL West Zone				
POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	ALIGNMENT
2000	1208967.902	2129304.133	10+46.38	28.90' RT	#4 REBAR W IDOT CAP	E004
3999	1279679.464	2126688.138	741+49.86	32.83' RT	BRASS DISK IN CONC POST	IL99D
4001	1282631.976	2126770.429	771+03.51	39.08' RT	#4 REBAR W IDOT CAP	IL99D
20244	1266139.217	2127708.293	603+27.86	67.43' RT	REBAR	IL99C

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6

EXAMINED March, 14 20 23

  
ENGINEER OF OPERATIONS

EXAMINED March, 13 20 23

  
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED March, 22 20 23

  
ENGINEER OF PROGRAM DEVELOPMENT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9R5-3, 10R5-2	BROWN	54	2
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-60119-0000
				80% FED
				20% STATE
				ROADWAY
0005				
RURAL				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	10	10
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	36	36
20200100	EARTH EXCAVATION	CU YD	309	309
20800150	TRENCH BACKFILL	CU YD	26	26
21400100	GRADING AND SHAPING DITCHES	FOOT	200	200
28100207	STONE RIPRAP, CLASS A4	TON	73	73
28200200	FILTER FABRIC	SQ YD	83	83
35800100	PREPARATION OF BASE	SQ YD	178	178
35800200	AGGREGATE BASE REPAIR	TON	48	48
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	37	37
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	47,138	47,138
40600370	LONGITUDINAL JOINT SEALANT	FOOT	38,709	38,709
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,461	2,461
40600990	TEMPORARY RAMP	SQ YD	107	107

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-60119-0000
				80% FED
				20% STATE
				ROADWAY
0005				
RURAL				
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	11,562	11,562
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,190	1,190
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	291	291
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	103,738	103,738
44201431	CLASS C PATCHES, TYPE III, 16 INCH	SQ YD	49	49
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,818	1,818
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1,003	1,003
48203100	HOT-MIX ASPHALT SHOULDERS	TON	174	174
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1
50800105	REINFORCEMENT BARS	POUND	12,750	12,750
* 51603000	DRILLED SHAFT IN SOIL	CU YD	24	24
* 51604000	DRILLED SHAFT IN ROCK	CU YD	26	26
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	86	86
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1

\* SPECIALTY ITEM

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PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	3
			CONTRACT NO. 72656	
		ILLINOIS FED. AID PROJECT		

6-60119-0000

80% FED  
20% STATE  
ROADWAY  
0005  
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	EACH	1	1
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,838	1,838
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1,163	1,163
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50	50
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	88	88
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	100	100
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	18	18
63200310	GUARDRAIL REMOVAL	FOOT	3,563	3,563
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	15	15

\* SPECIALTY ITEM

6-60119-0000

80% FED  
20% STATE  
ROADWAY  
0005  
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11,858	11,858
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,331	1,331
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	18	18
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	129,513	129,513
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	484	484
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	49	49
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	484	484
X2020060	EXCAVATING AND GRADING EXISTING SHOULDER, (SPECIAL)	UNIT	23	23
X4811900	AGGREGATE SHOULDERS (SPECIAL)	TON	398	398
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Ø Z0076600	TRAINEES	HOUR	1500	1500
Z0023500	FILLING EXISTING CULVERTS	CU YD	20.9	20.9
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500
Z0034105	MATERIAL TRANSFER DEVICE	TON	11,562	11,562

Ø 0042

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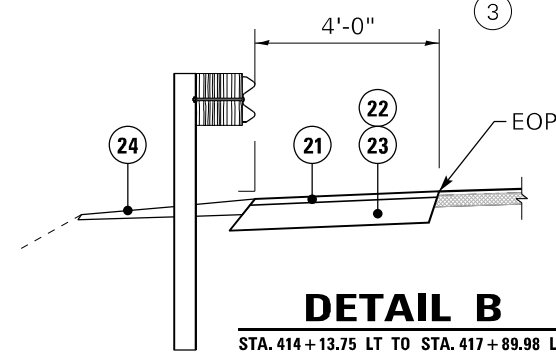
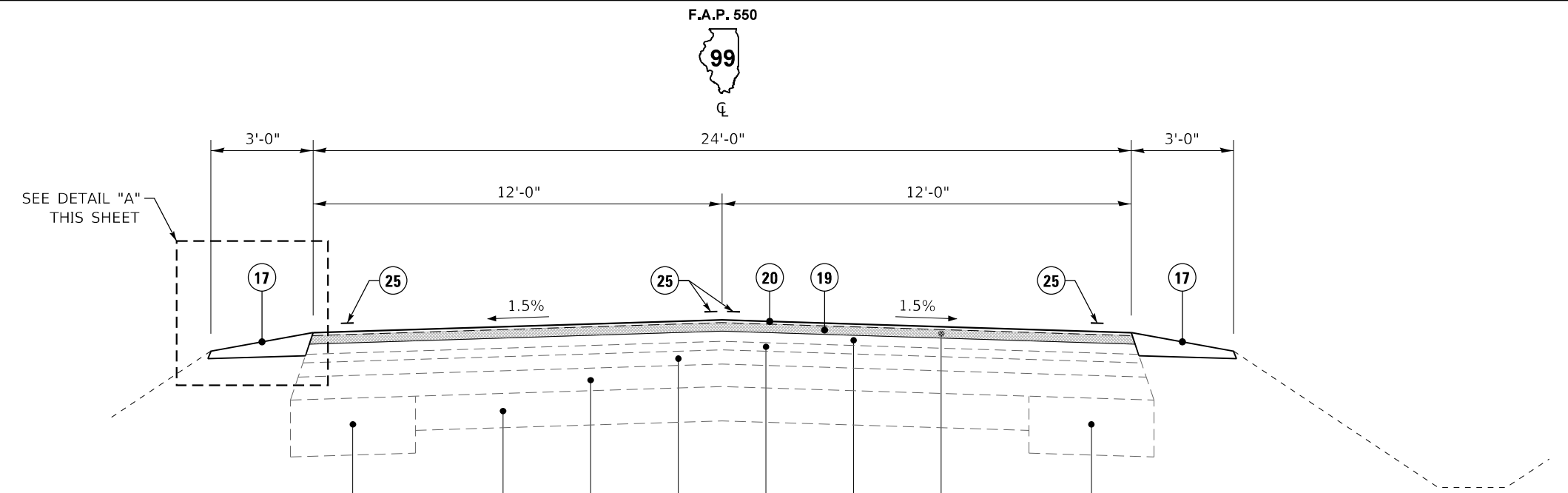
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	4
			CONTRACT NO. 72656	
		ILLINOIS FED. AID PROJECT		

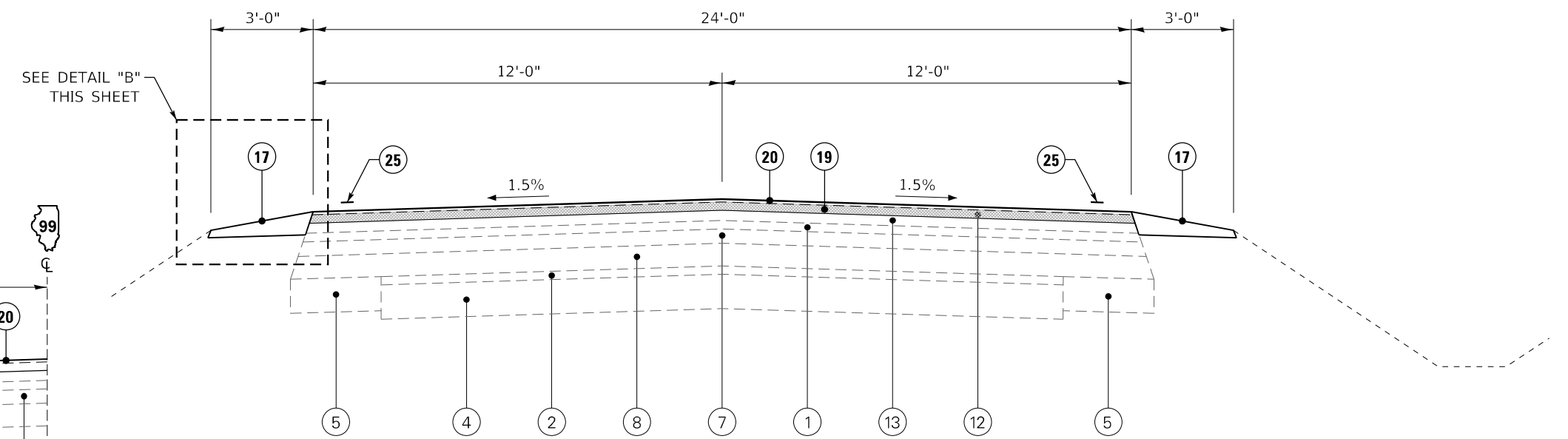
# LEGEND

- ① EXIST. BIT. CONC. SURFACE COURSE, MIX C, CL. 1, 1½" LIFTS
- ② EXIST. BIT. CONC. SURFACE
- ③ EXIST. AGG BASE COURSE, TYPE A
- ④ EXIST. AGG BASE COURSE AND SURFACE TREATMENT, 6"
- ⑤ EXIST. BITUMINOUS BASE COURSE WIDENING, 6"
- ⑥ EXIST. LEVELING BINDER (MACHINE METHOD)
- ⑦ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 2½" LIFT
- ⑧ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 4" LIFT
- ⑨ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑩ EXIST. BITUMINOUS SHOULDERS, 6"
- ⑪ EXIST. CONCRETE GUTTER TYPE A
- ⑫ EXIST. BIT CONC SURFACE COURSE, SUPERPAVE MIX "C" N50, 1½"
- ⑬ EXIST. BIT CONC BINDER COURSE SUPERPAVE IL-19.0, N50, 1¾"
- ⑭ EXIST. BIT SHOULDERS SUPERPAVE
- ⑮ EXIST. HMA SURF MIX "C" N50, 2"
- ⑯ EXIST. CAISSON SHAFTS, 24" (72555)
- ⑰ PROPOSED AGG WEDGE SHOULDERS, TYPE B
- ⑱ PROPOSED DRILLED SHAFT, 2'-6"Ø - IN SOIL, 2'-0"Ø - IN ROCK
- ⑲ PROPOSED HMA SURFACE REMOVAL, 1½"
- ⑳ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"
- ㉑ PROPOSED HMA SHOULDERS, 2"
- ㉒ PROPOSED HMA SHOULDERS, 6"
- ㉓ PROPOSED EXCAVATING & GRADING EXISTING SHOULDERS, (SPECIAL)
- ㉔ AGGREGATE SHOULDERS, SPECIAL
- ㉕ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"



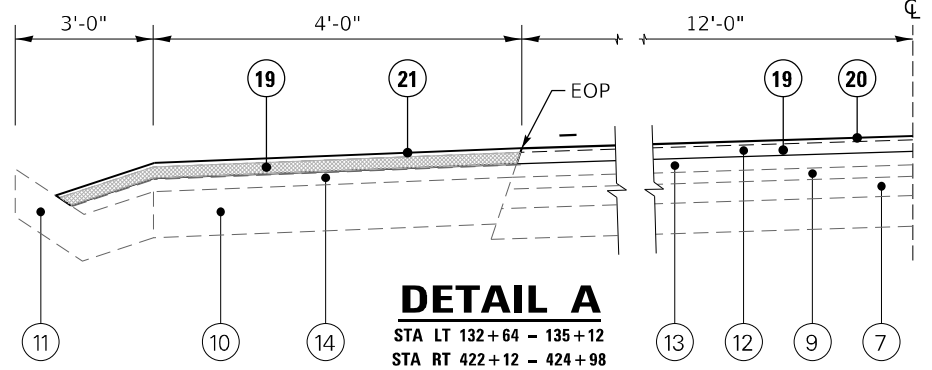
## TYPICAL #1

F.A.P. 550  
 99  
 STA 51+83.31 TO STA 238+00  
 STA 250+00 TO STA 256+50  
 STA 270+00 TO STA 301+58  
 STA 327+86 TO STA 343+00  
 STA 354+00 TO STA 396+00



## TYPICAL #2

F.A.P. 550  
 99  
 STA 238+00 TO STA 250+00  
 STA 256+50 TO STA 270+00  
 STA 343+00 TO STA 354+00  
 STA 396+00 TO STA 396+79  
 STA 410+06 TO STA 419+25



## DETAIL A

STA LT 132+64 - 135+12  
 STA RT 422+12 - 424+98  
 STA LT 429+81 - 432+95

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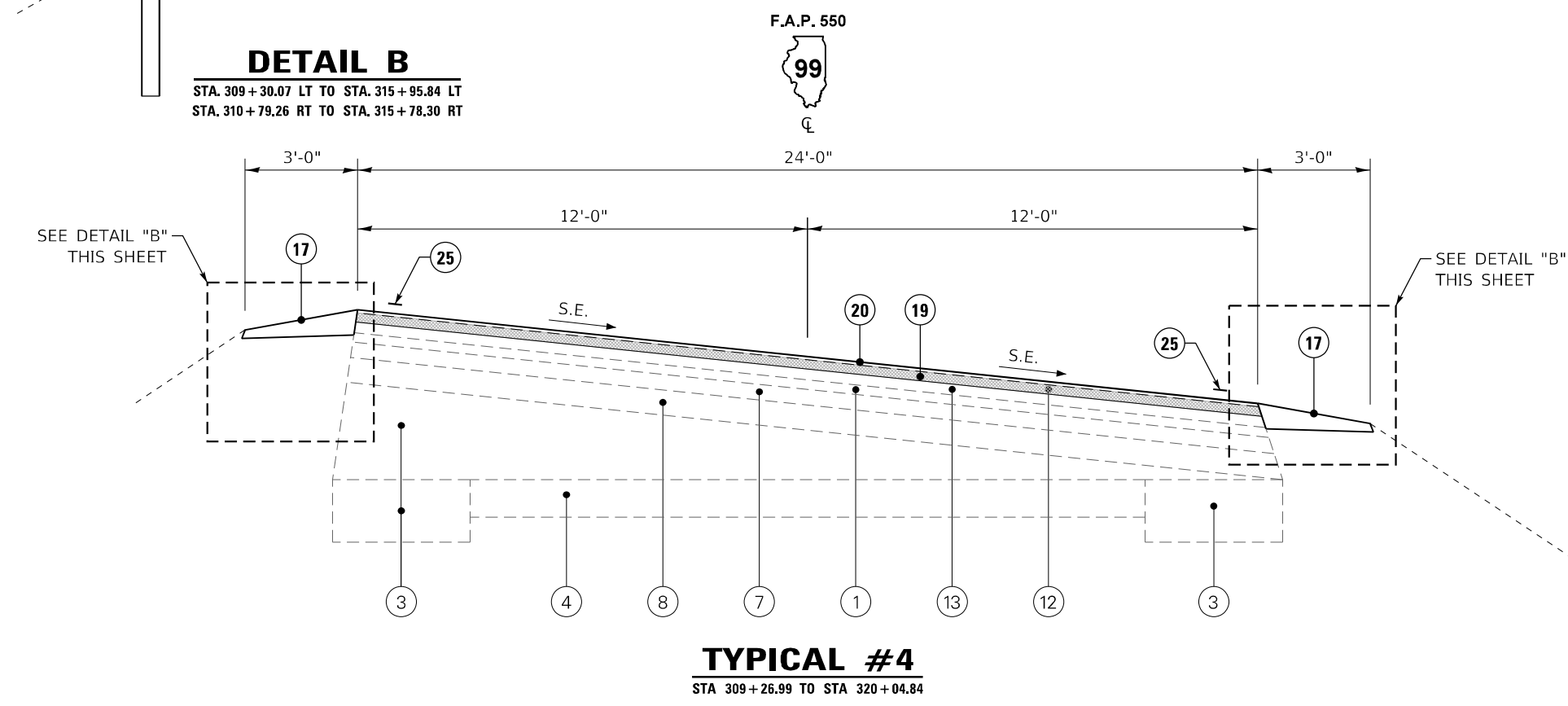
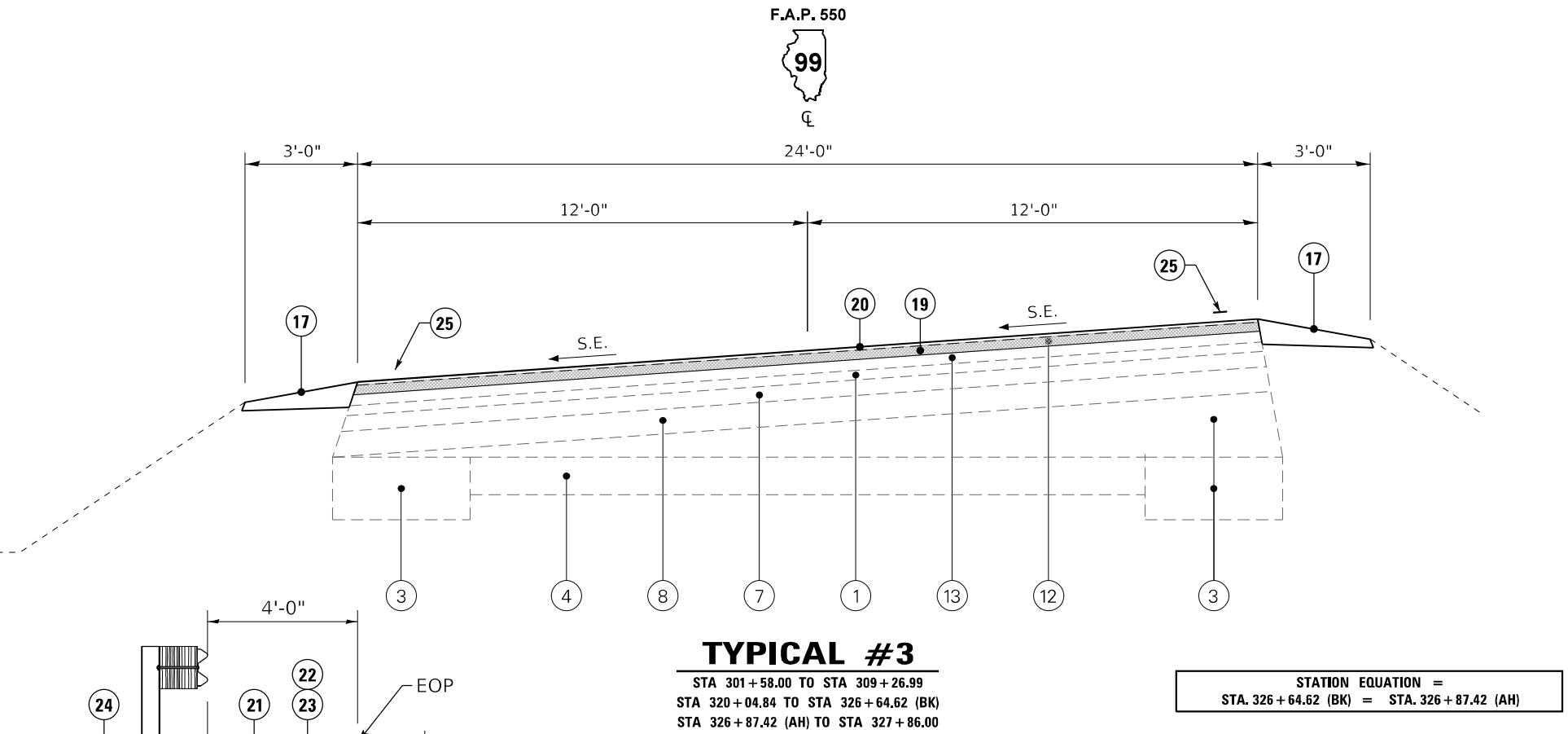
IL 99 TYPICAL SECTIONS

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**DETAIL B**  
 STA. 309+30.07 LT TO STA. 315+95.84 LT  
 STA. 310+79.26 RT TO STA. 315+78.30 RT

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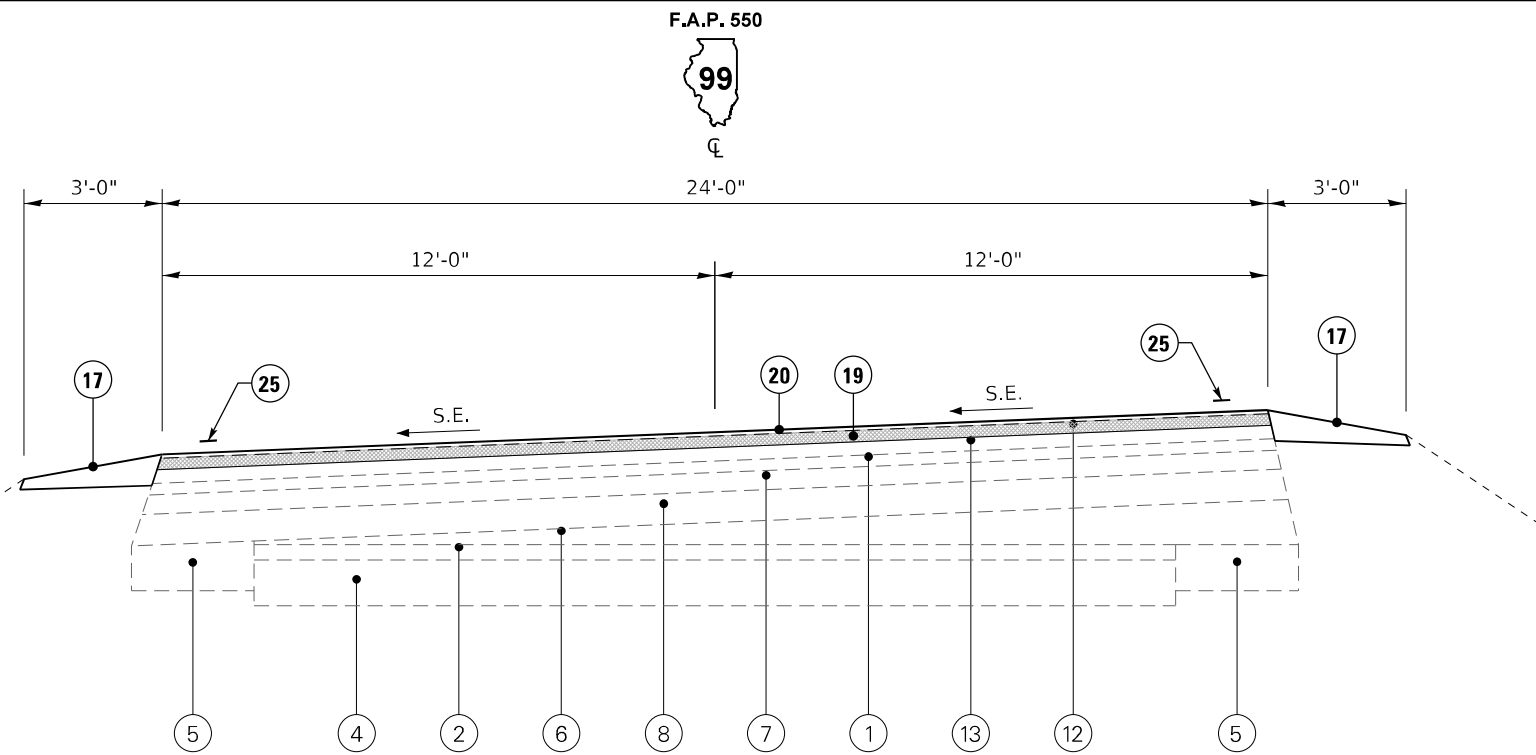
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL 99 TYPICAL SECTIONS</b>			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	

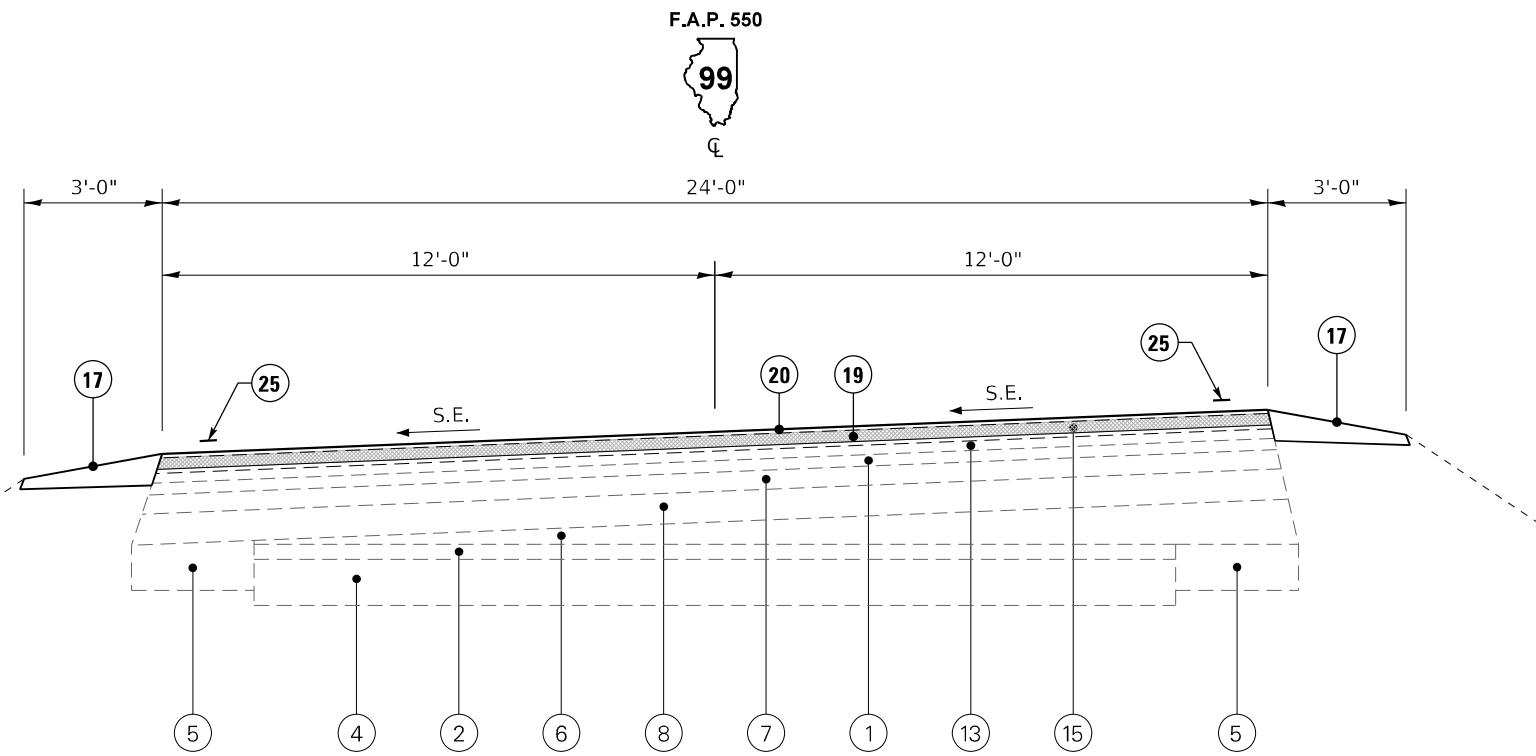
F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 6
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

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- ㉔ AGGREGATE SHOULDERS, SPECIAL
- ㉕ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"



**TYPICAL #5**  
 STA 396+79 TO 401+50  
 409+00 TO STA 410+06



**TYPICAL #6**  
 STA 401+50 TO STA 403+88  
 STA 406+50 TO STA 409+00

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISIED -
PLOT DATE = 3/31/2023	CHECKED -	REVISIED -
	DATE -	REVISIED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

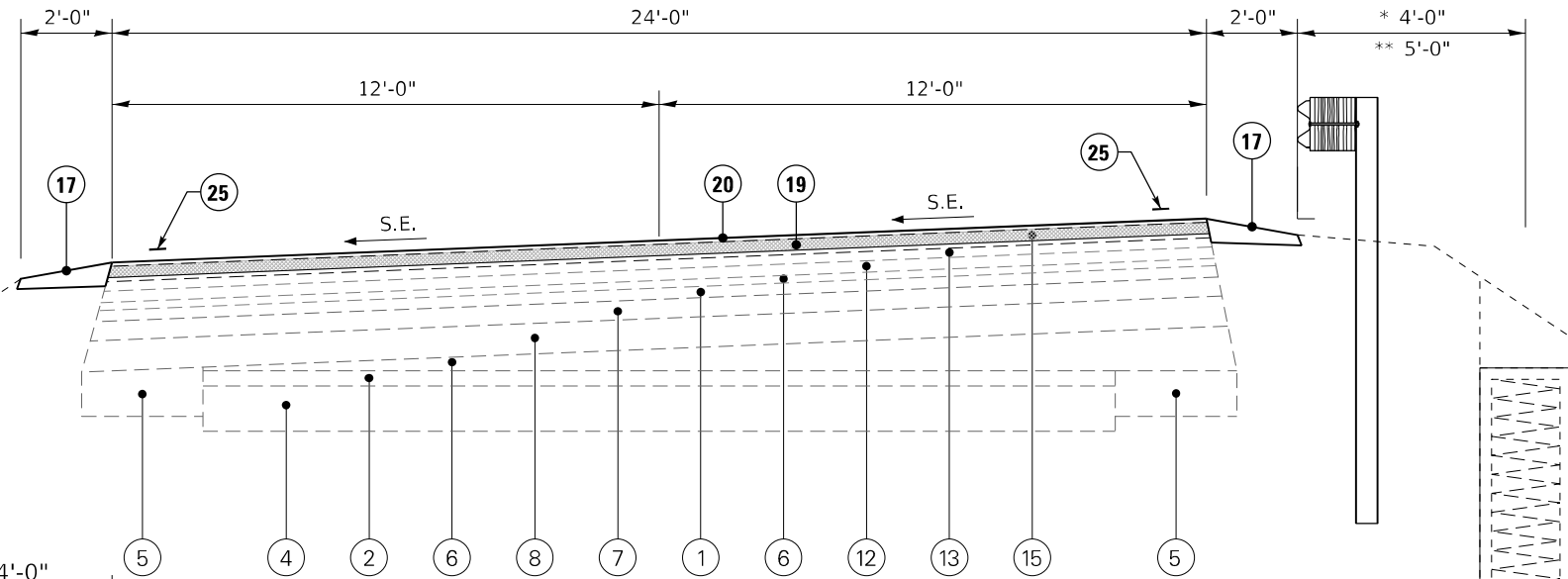
<b>IL 99 TYPICAL SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 7
			CONTRACT NO. 72656	
ILLINOIS FED. AID PROJECT				

# LEGEND

- ① EXIST. BIT. CONC. SURFACE COURSE, MIX C, CL. 1, 1½" LIFTS
- ② EXIST. BIT. CONC. SURFACE
- ③ EXIST. AGG BASE COURSE, TYPE A
- ④ EXIST. AGG BASE COURSE AND SURFACE TREATMENT, 6"
- ⑤ EXIST. BITUMINOUS BASE COURSE WIDENING, 6"
- ⑥ EXIST. LEVELING BINDER (MACHINE METHOD)
- ⑦ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 2½" LIFT
- ⑧ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 4" LIFT
- ⑨ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑩ EXIST. BITUMINOUS SHOULDERS, 6"
- ⑪ EXIST. CONCRETE GUTTER TYPE A
- ⑫ EXIST. BIT CONC SURFACE COURSE, SUPERPAVE MIX "C" N50, 1½"
- ⑬ EXIST. BIT CONC BINDER COURSE SUPERPAVE IL-19.0, N50, 1¾"
- ⑭ EXIST. BIT SHOULDERS SUPERPAVE
- ⑮ EXIST. HMA SURF MIX "C" N50, 2"
- ⑯ EXIST. CAISSON SHAFTS, 24" (72555)
- ⑰ PROPOSED AGG WEDGE SHOULDERS, TYPE B
- ⑱ PROPOSED DRILLED SHAFT, 2'-6"Ø - IN SOIL, 2'-0"Ø - IN ROCK
- ⑲ PROPOSED HMA SURFACE REMOVAL, 1½"
- ⑳ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"
- ㉑ PROPOSED HMA SHOULDERS, 2"
- ㉒ PROPOSED HMA SHOULDERS, 6"
- ㉓ PROPOSED EXCAVATING & GRADING EXISTING SHOULDERS, (SPECIAL)
- ㉔ AGGREGATE SHOULDERS, SPECIAL
- ㉕ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"

F.A.P. 550



## TYPICAL #7

STA 403+88 TO STA 406+50

NOTE(S):

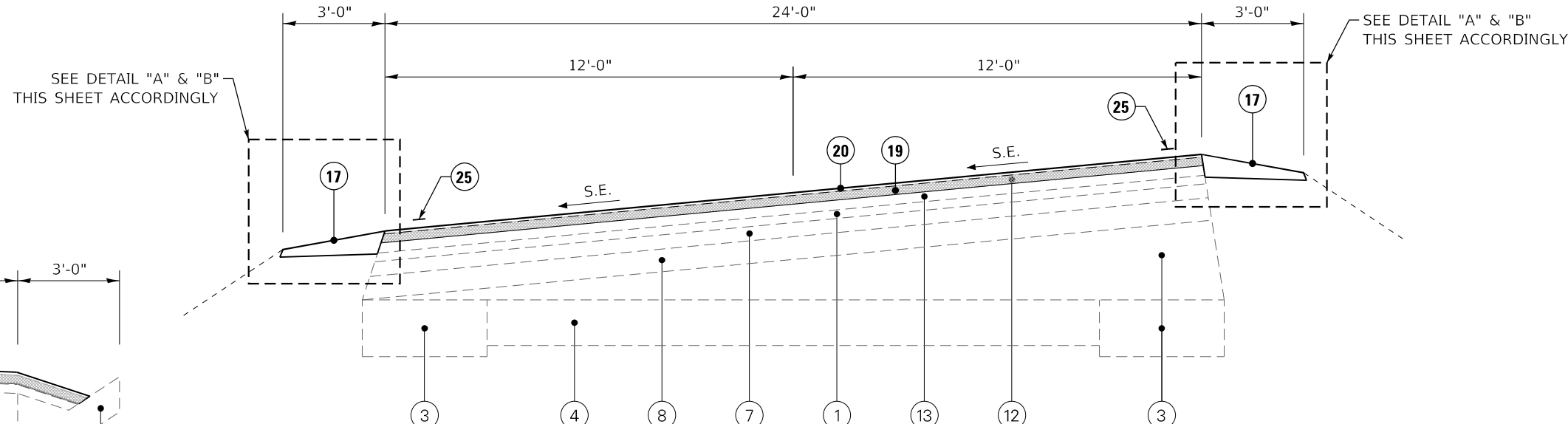
- 1). \* EXISTING (8) DRILLED SHAFTS EVERY 4'-0" FROM STA. 405+52 TO 405+80 (2001) 18'-0" FROM CL
- 2). \*\* PROPOSED (16) DRILLED SHAFTS EVERY 4'-0" FROM STA. 404+01 TO 404+61 19'-0" FROM CL

\* 16  
\*\* 18

## DETAIL B

STA. 423+38.91 LT TO STA. 427+95.56 LT  
STA. 425+13.96 RT TO STA. 427+70.43 RT

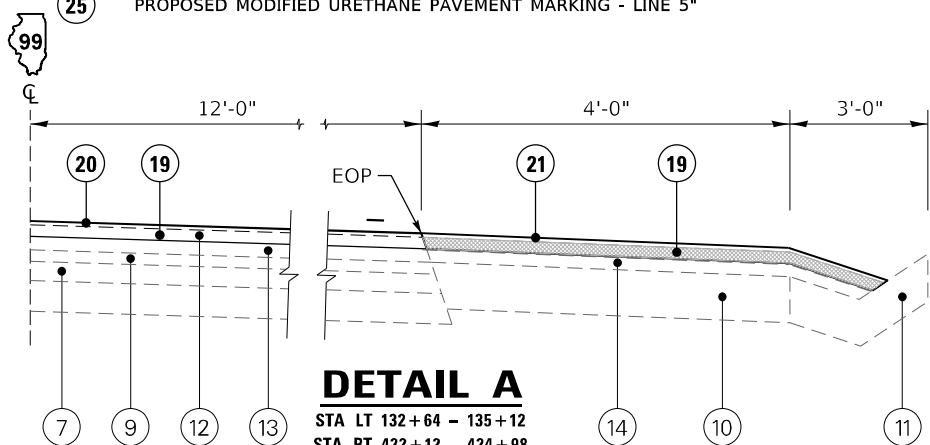
F.A.P. 550



## TYPICAL #8

STA 419+25 TO STA 426+45  
STA 428+21 TO STA 435+55  
STA 436+07.00 TO STA 436+71.50 (BK)  
STA 436+90.18 (AH) TO STA 437+27.37

STATION EQUATION =  
STA. 436+71.50 (BK) = STA. 436+90.18 (AH)



## DETAIL A

STA LT 132+64 - 135+12  
STA RT 422+12 - 424+98  
STA LT 429+81 - 432+95

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 99 TYPICAL SECTIONS

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

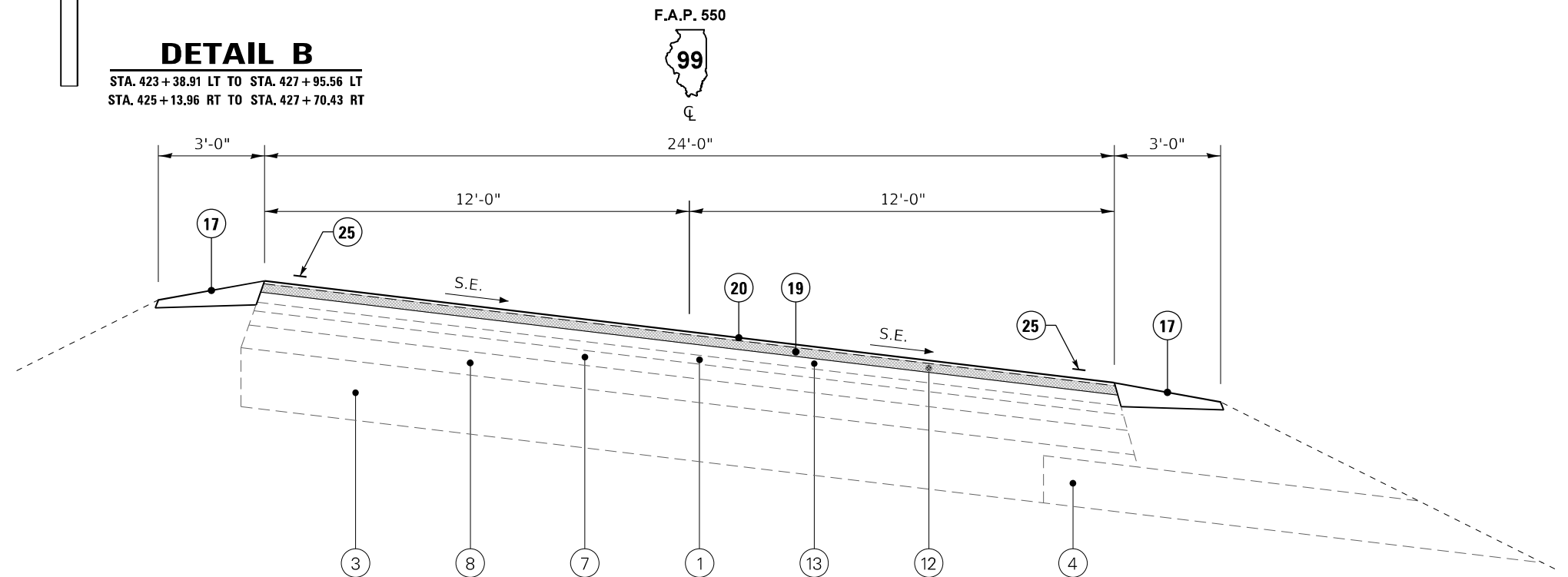
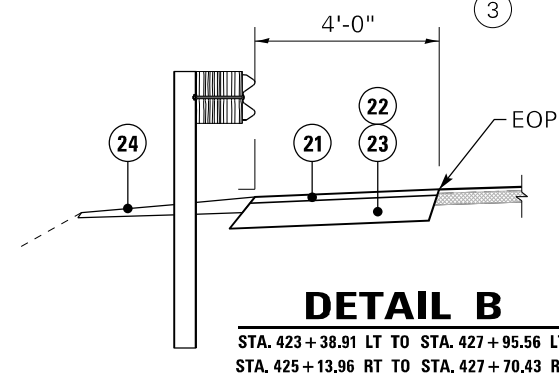
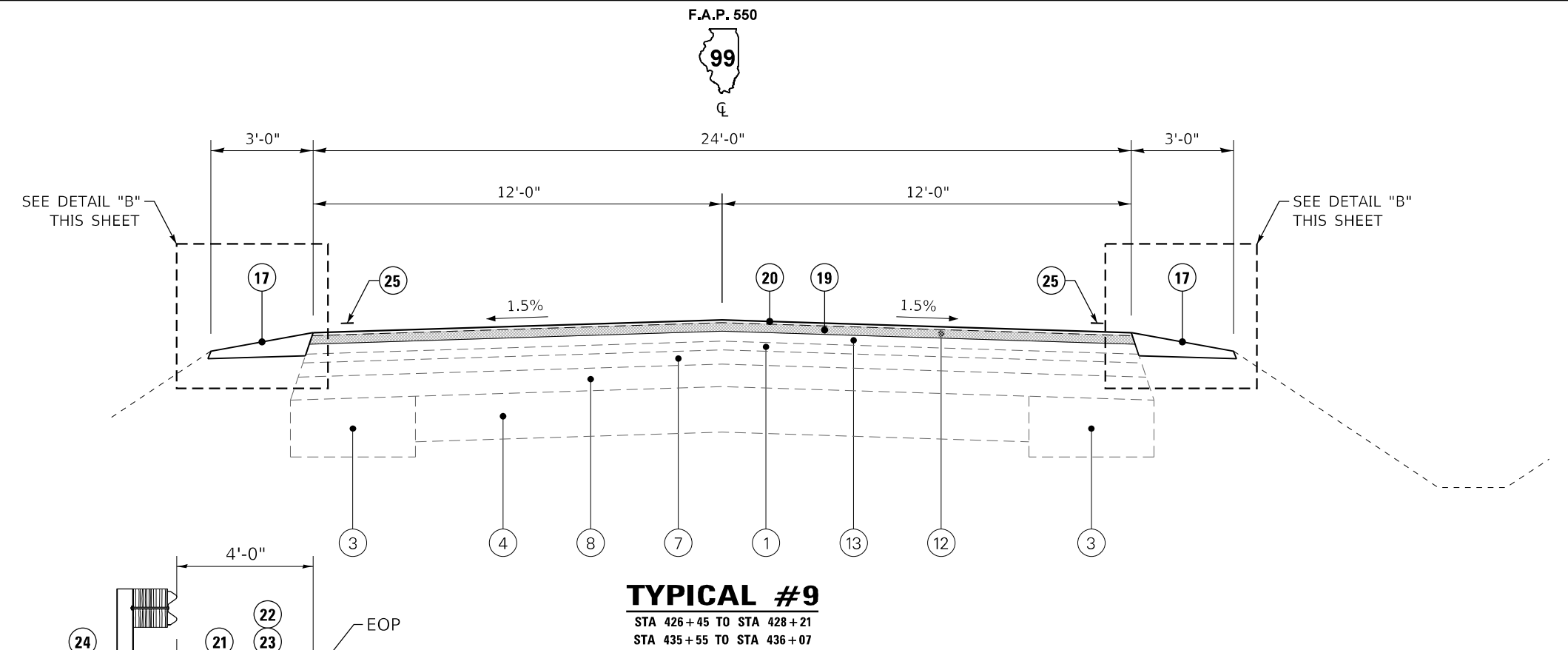
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	8
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

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# LEGEND

- ① EXIST. BIT. CONC. SURFACE COURSE, MIX C, CL. 1, 1½" LIFTS
- ② EXIST. BIT. CONC. SURFACE
- ③ EXIST. AGG BASE COURSE, TYPE A
- ④ EXIST. AGG BASE COURSE AND SURFACE TREATMENT, 6"
- ⑤ EXIST. BITUMINOUS BASE COURSE WIDENING, 6"
- ⑥ EXIST. LEVELING BINDER (MACHINE METHOD)
- ⑦ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 2½" LIFT
- ⑧ EXIST. BITUMINOUS CONCRETE BINDER COURSE, 4" LIFT
- ⑨ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑩ EXIST. BITUMINOUS SHOULDERS, 6"
- ⑪ EXIST. CONCRETE GUTTER TYPE A
- ⑫ EXIST. BIT CONC SURFACE COURSE, SUPERPAVE MIX "C" N50, 1½"
- ⑬ EXIST. BIT CONC BINDER COURSE SUPERPAVE IL-19.0, N50, 1¾"
- ⑭ EXIST. BIT SHOULDERS SUPERPAVE
- ⑮ EXIST. HMA SURF MIX "C" N50, 2"
- ⑯ EXIST. CAISSON SHAFTS, 24" (72555)
- ⑰ PROPOSED AGG WEDGE SHOULDERS, TYPE B
- ⑱ PROPOSED DRILLED SHAFT, 2'-6"Ø - IN SOIL, 2'-0"Ø - IN ROCK
- ⑲ PROPOSED HMA SURFACE REMOVAL, 1½"
- ⑳ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"
- ㉑ PROPOSED HMA SHOULDERS, 2"
- ㉒ PROPOSED HMA SHOULDERS, 6"
- ㉓ PROPOSED EXCAVATING & GRADING EXISTING SHOULDERS, (SPECIAL)
- ㉔ AGGREGATE SHOULDERS, SPECIAL
- ㉕ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"



**NOTE(S):**

- 1). \* COUNTY BORDER AT STA 439+31.41

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	9
			CONTRACT NO. 72656	
ILLINOIS FED. AID PROJECT				

## MILLING & PAVING SCHEDULE

LOCATION  IL 99 (FAP (550))  STATION TO STATION	LENGTH  (FT)	PVMT WIDTH  (FT)	44000155 HMA SURFACE REMOVAL 1.5"  (SQ YD)	40604050 HMA SURF CSE IL-9.5 MIX "C", N50 2"  (TON)	40600290 BITUMINOUS MATERIALS (TACK COAT)  (POUND)	40600370 LONGITUDINAL JOINT SEALANT  (FOOT)	X2020060 EXCAVATING AND GRADING EX. SHOULDER PER 100'  (UNIT)	48203021 HMA SHOULDERS  6" DEPTH  (SQ YD)	48203100 HMA SHOULDERS  2" DEPTH  (TON)
STA. 51+83.31 to STA. 326+64.62 BK	27,481.31	24	73,284	8,208	32,978	27,482			
<b>STA EQN 326+64.62 BK = 326+87.42 AH</b>									
STA. 326+87.42 AH to STA. 436+71.50 BK	10,984.08	24	29,291	3,281	13,181	10,985			
<b>STA EQN 436+71.50 BK = 436+90.18 AH</b>									
STA. 436+90.18 AH to STA. 439+31.41	241.23	24	644	73	290	242			
<b>MAINLINE SUBTOTAL:</b>			<b>103,219</b>	<b>11,562</b>	<b>46,449</b>	<b>38,709</b>			
<b>SHOULDERS</b>									
STA. 132+64.00 LT to STA. 135+12.00 LT	248.00	5.5	152		69				18
STA. 422+12.00 RT to STA. 424+98.00 RT	286.00	5.5	175		79				20
STA. 429+81.00 LT to STA. 432+95.00 LT	314.00	5.5	192		87				22
STA. 309+30.07 LT to STA. 315+95.84 LT	665.77	4.0			134		6.7	296	34
STA. 310+79.26 RT to STA. 315+78.30 RT	499.04	4.0			100		5.0	222	25
STA. 414+13.75 LT to STA. 417+89.98 LT	376.23	4.0			76		3.8	168	19
STA. 423+38.91 LT to STA. 427+95.56 LT	456.65	4.0			92		4.6	203	23
STA. 425+13.96 RT to STA. 427+70.43 RT	256.47	4.0			52		2.6	114	13
<b>SHOULDERS SUBTOTAL:</b>			<b>519</b>	<b>0</b>	<b>689</b>	<b>0</b>	<b>22.5</b>	<b>1,003</b>	<b>174</b>
<b>TOTAL:</b>			<b>103,738</b>	<b>11,562</b>	<b>47,138</b>	<b>38,709</b>	<b>23</b>	<b>1,003</b>	<b>174</b>

## SEEDING, SPECIAL

LOCATION	SEEDING, CLASS 2  (ACRE)	NITROGEN FERTILIZER NUTRIENT  (POUND)	PHOSPHORUS FERTILIZER NUTRIENT  (POUND)	POTASSIUM FERTILIZER NUTRIENT  (POUND)	AGRICULTURAL GROUND LIMESTONE  (TON)	MULCH, METHOD 2  (ACRE)
STA. 308+77.00 LT to STA. 309+77.00 LT	0.022957	2.066	2.066	2.066	0.046	0.023
STA. 315+25.00 LT to STA. 316+25.00 LT	0.022957	2.066	2.066	2.066	0.046	0.023
STA. 398+18.00 LT to STA. 400+10.00 LT	0.105785	9.521	9.521	9.521	0.212	0.106
STA. 403+98.00 RT to STA. 404+65.00 RT	0.007691	0.692	0.692	0.692	0.015	0.008
STA. 399+25.00 LT to STA. 399+51.00 RT	0.012530	1.128	1.128	1.128	0.025	0.013
<b>TOTAL</b>	<b>0.17</b>	<b>15.47</b>	<b>15.47</b>	<b>15.47</b>	<b>0.34</b>	<b>0.17</b>

ESTIMATED QUANTITIES ARE FOR REFERENCE ONLY

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

USER NAME = Brad,Blakley	DESIGNED -	REVISED -				F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 10
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 72656				
PLOT DATE = 3/31/2023	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				

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# ENTRANCE & SIDE ROADS IMPROVEMENT SCHEDULE

LOCATION	TYPE OF ENTRANCE  (FE / PE / CE / MBTO) RURAL / URBAN	EX MATERIAL TYPE  (EARTH   AGG HMA   HMA APRN PCC   O&C)	LENGTH A  O/S FROM EOP (FOOT)	LENGTH B  O/S FROM LTH "A" (FOOT)	WIDTH 1  ENT WIDTH (FOOT)	WIDTH 2  ALONG LTH "A" (FOOT)	WIDTH 3  ALONG EOP (FOOT)	WIDTH 4  ONLY PE / CE MBTO (FOOT)	PR HMA THICKNESS  (INCH)	35800100 PREP OF BASE  (SQ. YD.)	40200800 AGGREGATE SURFACE COURSE TYPE-B  (TON)	40600982 HMA SURF. REMOVAL BUTT-JOINT  (SQ. YD.)	40800029 BITUMINOUS MATERIALS (TACK COAT)  (POUND)	40800050 INCIDENTAL HMA SURFACING  (TON)
STA. 56+01.43 LT	PE / MBTO - RURAL	HMA APRON / AGG	8	7	15.00	29.00	70.00	15.00	1.75		1.4	50.7	22.9	5.0
STA. 62+89.43 RT	FE - RURAL	AGG												
STA. 75+00.00 RT	FE - RURAL	AGG												
STA. 76+84.13 RT	CE - RURAL	HMA APRON / AGG	10	5	28.00	38.00	58.00		1.75		3.5	53.4	24.1	6.3
STA. 76+84.13 LT	TR1125N	HMA APRON / O&C	15			65.00	95.00		1.75			133.4	60.1	13.1
STA. 78+91.49 RT	CE - RURAL	HMA APRON / AGG	10	5	24.00	34.00	54.00		1.75		3.3	48.9	22.1	5.8
STA. 82+10.00 LT	FE - RURAL	EARTH												
STA. 92+24.00 RT	PE - RURAL	HMA APRON / AGG	8	7	12.00	26.00	42.00		1.75		1.2	30.3	13.7	3.0
STA. 93+46.51 RT	TR1175N	HMA	15			30.00	60.00		1.75			75.0	33.8	7.4
STA. 93+52.00 LT	MBTO - RURAL	HMA APRON	8			25.00	69.00		1.75			41.8	18.9	4.1
STA. 104+90.00 LT	FE - RURAL	AGG												
STA. 115+94.91 LT	TR1200N	O&C	26			26.00	78.00		1.75			150.3	67.7	14.8
STA. 115+94.91 RT	TR1200N	O&C	23			21.00	67.00		1.75			112.5	50.7	11.1
STA. 121+49.00 RT	FE - RURAL	EARTH												
STA. 124+30.41 RT	PE / MBTO - RURAL	HMA	8			40.00	98.00	14.00	1.75			67.6	30.5	6.7
STA. 124+65.95 LT	CE - RURAL	HMA APRON / AGG	10	5	38.00	48.00	68.00		1.75		1.9	64.5	29.1	6.4
STA. 129+00.00 RT	FE - RURAL	EARTH												
STA. 136+04.87 LT	FE - RURAL	AGG												
STA. 140+09.87 RT	FE - RURAL	AGG												
STA. 142+80.07 RT	FE - RURAL	EARTH												
STA. 144+27.19 LT	FE - RURAL	AGG												
STA. 148+36.37 RT	PE / MBTO - RURAL	HMA APRON / AGG	8	7	16.00	30.00	79.00	15.00	1.75		1.4	55.2	24.9	5.5
STA. 150+08.13 RT	PE - RURAL	HMA APRON / AGG	8	7	20.00	34.00	50.00		1.75		1.7	37.4	16.9	3.7
STA. 155+82.54 LT	FE - RURAL	AGG												
STA. 155+82.54 RT	FE - RURAL	AGG												
STA. 164+07.00 RT	FE - RURAL	AGG												
STA. 169+28.07 LT	TR1300N	HMA APRON / O&C	18			20.00	56.00		1.75			76.0	34.2	7.5
STA. 169+52.00 RT	FE - RURAL	EARTH												
STA. 178+60.00 LT	FE - RURAL	EARTH												
STA. 182+18.35 RT	FE - RURAL	EARTH												
STA. 182+69.46 RT	TR1325N	HMA APRON / O&C	20			20.00	60.00		1.75			88.9	40.1	8.8
STA. 186+55.00 LT	PE / MBTO - RURAL	HMA APRON / AGG	8	7	12.00	26.00	74.00	14.00	1.75		1.2	50.7	22.9	5.0
STA. 191+21.00 RT	FE - RURAL	EARTH												
STA. 194+60.00 LT	FE - RURAL	AGG												
STA. 197+06.00 LT	FE - RURAL	EARTH												
STA. 205+73.50 LT	FE - RURAL	EARTH												
STA. 209+28.71 RT	TR1375N	HMA APRON / O&C	20			20.00	60.00		1.75			88.9	40.1	8.8
STA. 212+26.03 LT	FE - RURAL	AGG												
STA. 222+51.76 RT	PE / MBTO - RURAL	HMA APRON / AGG	8	7	12.00	26.00	66.00	14.00	1.75		1.2	47.2	21.3	4.7
STA. 222+60.59 LT	TR1400N	AGG	15	5		12.00	42.00		8	45	1.2	20.3	20.3	20.2
STA. 223+60.00 RT	PE - RURAL	HMA APRON / AGG	8	7	12.00	26.00	42.00		1.75		1.2	30.3	13.7	3.0
STA. 234+08.00 LT	FE - RURAL	AGG												
STA. 245+32.92 LT	FE - RURAL	AGG												

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 11
CONTRACT NO. 72656			ILLINOIS FED. AID PROJECT	





### CULVERT SCHEDULE

IL 99 (FAP (550))	20800150	44201431	50104400	54213675	54215430	542A0235	Z0023500
LOCATION	TRENCH BACKFILL	CLASS C PATCHES, TYPE III, 16 INCH	CONCRETE HEADWALL REMOVAL	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	PIPE CULVERTS, CLASS A, TYPE 1 30"	FILLING EXISTING CULVERTS 30"
STATION TO STATION	(CU YD)	(SQ YD)	(EACH)	(EACH)	(EACH)	(FOOT)	(CU YD)
STA. 398+90.00 LT to STA. 399+57.00 RT	26.0			1	1	86	
STA. 399+33.00 LT to STA. 400+04.00 RT							20.9
STA. 399+28.10 LT & STA. 399+28.10 RT		49					
STA. 399+33.00 LT			1				
<b>TOTAL:</b>	<b>26</b>	<b>49</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>86</b>	<b>20.9</b>

### MISC SCHEDULE

IL 99 (FAP (550))	20100110	20100210	21400100	28100207	28200200
LOCATION	*TREE REMOVAL (6 TO 15 UNITS DIA.)	*TREE REMOVAL (OVER 15 UNITS DIA.)	GRADING AND SHAPING DITCHES	STONE RIPRAP, CLASS A4	FILTER FABRIC
STATION TO STATION	(UNIT)	(UNIT)	(FOOT)	(TON)	(SQ YD)
<b>SN: 005-7002</b>					
STA. 308+77.00 LT to STA. 309+77.00 LT			100		
STA. 315+25.00 LT to STA. 316+25.00 LT			100		
<b>PROPOSED 30" CULVERT</b>					
STA. 399+63.00 RT		36.00			
STA. 399+66.00 RT	10.00				
STA. 399+57.00 RT				35	52
<b>SN: 005-7001</b>					
STA. 415+10.00 RT				38	31
<b>TOTAL:</b>	<b>10</b>	<b>36</b>	<b>200</b>	<b>73</b>	<b>83</b>

\*TREES HAVE BEEN FELLED & THE CONTRACTOR SHALL REMOVE THEM FROM THE JOBSITE, CLEAR THE AREA & REMOVE THE STUMPS.

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USER NAME = Brad,Blakley DRAWN - CHECKED - DATE -	DESIGNED - REVISIONS - REVISIONS - REVISIONS - REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES OF QUANTITIES</b>	SCALE:	SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 550 9RS-3, 10RS-2 BROWN 54 14 CONTRACT NO. 72656 ILLINOIS FED. AID PROJECT
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## GUARDRAIL SCHEDULE

IL 99 (FAP (550))	63000001 STEEL PLATE BEAM GUARDRAIL TYPE-A 6' POSTS (FOOT)	63000003 STEEL PLATE BEAM GUARDRAIL TYPE-A 9' POSTS (FOOT)	63000030 STRONG POST GUARDRAIL ATTACHED TO CULVERT (FOOT)	63000360 LONG-SPAN GUARDRAIL OVER CULVERT, 18.75 FT SPAN (FOOT)	63000370 LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN (FOOT)	63100167 TRAFFIC BARRIER TERMINAL TYPE-1 (SPECIAL) TANGENT (EACH)	72501000 TERMINAL MARKER (EACH)	63200310 GUARDRAIL REMOVAL (FOOT)	78200005 GUARDRAIL REFLECTORS TYPE-A (EACH)
LOCATION									
STATION TO STATION									
<b>SN: 005-2001</b>									
STA. 191+40.00 LT to STA. 194+44.50 LT								300.0	
STA. 191+40.00 RT to STA. 194+18.00 RT								275.0	
STA. 191+78.60 LT to STA. 192+41.10 LT	62.50					1	1		
STA. 192+41.10 LT to STA. 192+91.10 LT				50.00					
STA. 192+91.10 LT to STA. 193+91.10 LT	100.00					1	1		4
STA. 191+91.10 RT to STA. 192+41.10 RT	50.00					1	1		
STA. 192+41.10 RT to STA. 192+91.10 RT				50.00					
STA. 192+91.10 RT to STA. 193+53.60 RT	62.50					1	1		4
<b>SN: 005-7002</b>									
STA. 309+46.00 LT to STA. 315+84.00 LT								637.5	
STA. 310+79.00 RT to STA. 315+58.00 RT								475.0	
STA. 309+90.06 LT to STA. 315+36.38 LT	550.00					2	2		7
STA. 311+39.65 RT to STA. 315+17.79 RT	375.00					2	2		5
<b>SIDE SLOPE</b>									
STA. 402+53.00 RT to STA. 408+62.00 RT								612.5	
STA. 399+51.43 RT to STA. 408+11.73 RT		862.50				2	2		11
<b>SN: 005-7001</b>									
STA. 414+35.00 LT to STA. 417+89.00 LT								350.0	
STA. 413+28.00 RT to STA. 416+83.00 RT								350.0	
STA. 414+73.74 LT to STA. 415+36.24 LT	62.50					1	1		
STA. 415+36.24 LT to STA. 415+79.99 LT				43.75					
STA. 415+79.99 LT to STA. 417+25.00 LT	150.00					1	1		4
STA. 412+77.48 RT to STA. 415+14.98 RT		237.50				1	1		
STA. 415+14.98 RT to STA. 415+58.73 RT				43.75					
STA. 415+58.73 RT to STA. 416+21.23 RT		62.50				1	1		5
<b>SN: 005-2000</b>									
STA. 424+36.00 LT to STA. 427+79.00 LT								337.5	
STA. 425+30.00 RT to STA. 427+61.00 RT								225.0	
STA. 423+98.63 LT to STA. 425+73.06 LT	175.00					1	1		
STA. 425+73.06 LT to STA. 425+98.06 LT			25.00						
STA. 425+98.06 LT to STA. 427+35.56 LT	137.50					1	1		5
STA. 425+72.93 RT to STA. 425+97.94 RT	25.00					1	1		
STA. 425+97.94 RT to STA. 426+22.94 RT			25.00						
STA. 426+22.94 RT to STA. 427+10.44 RT	87.50					1	1		4
<b>TOTAL:</b>	<b>1,837.5</b>	<b>1,162.5</b>	<b>50</b>	<b>87.50</b>	<b>100</b>	<b>18</b>	<b>18</b>	<b>3,562.5</b>	<b>49</b>

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/31/2023	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	15
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

# MODIFIED URETHANE PAVEMENT MARKING - 5"

IL 99 (FAP (550))

78009005

LOCATION STATION TO STATION	DESCRIPTION	LENGTH (FT)	NUMBER OF LINES	QUANTITY (FT)
<b>YELLOW</b>				
STA. 051+83.31 C to STA. 079+19.00 C	10-30-10 - SKIP-DASH - YELLOW C	2,736	1	680
STA. 092+48.00 C to STA. 101+16.89 C	10-30-10 - SKIP-DASH - YELLOW C	869	1	220
STA. 103+42.77 C to STA. 110+80.00 C	10-30-10 - SKIP-DASH - YELLOW C	737	1	180
STA. 150+34.00 C to STA. 266+07.00 C	10-30-10 - SKIP-DASH - YELLOW C	11,573	1	2,890
STA. 270+72.00 C to STA. 303+40.00 C	10-30-10 - SKIP-DASH - YELLOW C	3,268	1	820
STA. 337+88.00 C to STA. 384+80.00 C	10-30-10 - SKIP-DASH - YELLOW C	4,692	1	1,170
STA. 051+83.31 C LT to STA. 057+48.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	565	1	565
STA. 092+48.00 C LT to STA. 101+16.89 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	869	1	869
STA. 150+34.00 C LT to STA. 159+23.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	889	1	889
STA. 184+90.00 C LT to STA. 194+78.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	988	1	988
STA. 205+04.00 C LT to STA. 215+20.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	1,016	1	1,016
STA. 228+00.00 C LT to STA. 235+60.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	760	1	760
STA. 245+95.00 C LT to STA. 256+40.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	1,045	1	1,045
STA. 270+72.00 C LT to STA. 280+33.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	961	1	961
STA. 337+88.00 C LT to STA. 347+11.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	923	1	923
STA. 361+98.00 C LT to STA. 372+12.00 C LT	NO PASSING SBL - SOLID - YELLOW - LT OF C	1,014	1	1,014
STA. 071+25.00 C RT to STA. 079+19.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	794	1	794
STA. 103+42.77 C RT to STA. 110+80.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	737	1	737
STA. 175+44.00 C RT to STA. 183+44.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	800	1	800
STA. 194+78.00 C RT to STA. 205+04.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	1,026	1	1,026
STA. 218+70.00 C RT to STA. 227+00.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	830	1	830
STA. 236+40.00 C RT to STA. 245+95.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	955	1	955
STA. 260+20.00 C RT to STA. 266+07.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	587	1	587
STA. 294+67.00 C RT to STA. 303+40.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	873	1	873
STA. 351+20.00 C RT to STA. 361+98.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	1,078	1	1,078
STA. 375+45.00 C RT to STA. 384+80.00 C RT	NO PASSING NBL - SOLID - YELLOW - RT OF C	935	1	935
STA. 079+19.00 C to STA. 092+48.00 C	NO PASSING - SOLID DOUBLE - YELLOW C	1,329	2	2,658
STA. 101+16.89 C to STA. 103+42.77 C	NO PASSING - SOLID DOUBLE - YELLOW C	226	2	452
STA. 110+80.00 C to STA. 150+34.00 C	NO PASSING - SOLID DOUBLE - YELLOW C	3,954	2	7,908
STA. 266+07.00 C to STA. 270+72.00 C	NO PASSING - SOLID DOUBLE - YELLOW C	465	2	930
STA. 303+40.00 C to STA. 326+64.62 BK C	NO PASSING - SOLID DOUBLE - YELLOW C	2,325	2	4,649
<b>STA EQN 326+64.62 BK = 326+87.42 AH</b>				
STA. 326+87.42 AH C to STA. 337+88.00 C	NO PASSING - SOLID DOUBLE - YELLOW C	1,101	2	2,201
STA. 384+80.00 C to STA. 436+71.50 BK C	NO PASSING - SOLID DOUBLE - YELLOW C	5,192	2	10,383
<b>STA EQN 436+71.50 BK = 436+90.18 AH</b>				
STA. 436+90.18 AH C to STA. 439+31.41 C	NO PASSING - SOLID DOUBLE - YELLOW C	241	2	482
<b>YELLOW TOTAL:</b>				<b>53,268</b>

# MODIFIED URETHANE PAVEMENT MARKING - 5" (CONT.)

IL 99 (FAP (550))

78009005

LOCATION STATION TO STATION	DESCRIPTION	LENGTH (FT)	NUMBER OF LINES	QUANTITY (FT)
<b>WHITE</b>				
<b>LEFT EDGE</b>				
STA. 051+83.31 LT to STA. 076+36.60 LT	EDGE LINE - SOLID - WHITE LT	2,453	1	2,453
<b>INTERSECTION - IL 99 &amp; TR1125N</b>				
STA. 077+31.60 LT to STA. 115+46.20 LT	EDGE LINE - SOLID - WHITE LT	3,815	1	3,815
<b>INTERSECTION - IL 99 &amp; TR1200N</b>				
STA. 116+46.71 LT to STA. 168+93.16 LT	EDGE LINE - SOLID - WHITE LT	5,246	1	5,246
<b>INTERSECTION - IL 99 &amp; TR1300N</b>				
STA. 169+62.37 LT to STA. 222+34.70 LT	EDGE LINE - SOLID - WHITE LT	5,272	1	5,272
<b>INTERSECTION - IL 99 &amp; TR1400N</b>				
STA. 222+85.58 LT to STA. 262+77.95 LT	EDGE LINE - SOLID - WHITE LT	3,992	1	3,992
<b>INTERSECTION - IL 99 &amp; TR1475N</b>				
STA. 263+75.05 LT to STA. 326+64.62 BK LT	EDGE LINE - SOLID - WHITE LT	6,290	1	6,290
<b>STA EQN 326+64.62 BK = 326+87.42 AH</b>				
STA. 326+87.42 AH LT to STA. 392+72.93 LT	EDGE LINE - SOLID - WHITE LT	6,586	1	6,586
<b>INTERSECTION - IL 99 &amp; TR1720N</b>				
STA. 393+94.50 LT to STA. 436+71.50 BK LT	EDGE LINE - SOLID - WHITE LT	4,277	1	4,277
<b>STA EQN 436+71.50 BK = 436+90.18 AH</b>				
STA. 436+90.18 AH LT to STA. 439+31.41 LT	EDGE LINE - SOLID - WHITE LT	241	1	241
<b>RIGHT EDGE</b>				
STA. 051+83.31 RT to STA. 093+22.00 RT	EDGE LINE - SOLID - WHITE RT	4,139	1	4,139
<b>INTERSECTION - IL 99 &amp; TR1175N</b>				
STA. 093+82.00 RT to STA. 115+52.78 RT	EDGE LINE - SOLID - WHITE RT	2,171	1	2,171
<b>INTERSECTION - IL 99 &amp; TR1200N</b>				
STA. 116+33.22 RT to STA. 182+33.63 RT	EDGE LINE - SOLID - WHITE RT	6,600	1	6,600
<b>INTERSECTION - IL 99 &amp; TR1325N</b>				
STA. 183+02.62 RT to STA. 208+94.23 RT	EDGE LINE - SOLID - WHITE RT	2,592	1	2,592
<b>INTERSECTION - IL 99 &amp; TR1375N</b>				
STA. 209+61.78 RT to STA. 252+37.59 RT	EDGE LINE - SOLID - WHITE RT	4,276	1	4,276
<b>INTERSECTION - IL 99 &amp; TR1455N</b>				
STA. 253+10.17 RT to STA. 286+16.93 RT	EDGE LINE - SOLID - WHITE RT	3,307	1	3,307
<b>INTERSECTION - IL 99 &amp; TR1520N</b>				
STA. 287+21.22 RT to STA. 326+64.62 BK RT	EDGE LINE - SOLID - WHITE RT	3,943	1	3,943
<b>STA EQN 326+64.62 BK = 326+87.42 AH</b>				
STA. 326+87.42 AH RT to STA. 388+76.50 RT	EDGE LINE - SOLID - WHITE RT	6,189	1	6,189
<b>INTERSECTION - IL 99 &amp; TR1710N</b>				
STA. 389+47.18 RT to STA. 410+19.40 RT	EDGE LINE - SOLID - WHITE RT	2,072	1	2,072
<b>INTERSECTION - IL 99 &amp; TR1750N</b>				
STA. 411+28.86 RT to STA. 436+71.50 BK RT	EDGE LINE - SOLID - WHITE RT	2,543	1	2,543
<b>STA EQN 436+71.50 BK = 436+90.18 AH</b>				
STA. 436+90.18 AH RT to STA. 439+31.41 RT	EDGE LINE - SOLID - WHITE RT	241	1	241
<b>WHITE TOTAL:</b>				<b>76,245</b>
<b>JOB TOTAL:</b>				<b>129,513</b>

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	16
CONTRACT NO. 72656				
		ILLINOIS	FED. AID PROJECT	



## RAISED REFLECTIVE PAVEMENT MARKER

IL 99 (FAP (550))			
78100100			
LOCATION	DESCRIPTION	LENGTH (FT)	QUANTITY (EACH)
STATION TO STATION			
STA. 051+83.31 C <sub>L</sub> to STA. 326+64.62 BK C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	27,481	344
STA EQN 326+64.62 BK = 326+87.42 AH			
STA. 326+87.42 AH C <sub>L</sub> to STA. 436+71.50 BK C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	10,984	137
STA EQN 436+71.50 BK = 436+90.18 AH			
STA. 436+90.18 AH C <sub>L</sub> to STA. 439+31.41 C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	241	3
<b>TOTAL:</b>			<b>484</b>

## SHORT TERM PAVEMENT MARKING

IL 99 (FAP (550))			
70300100			
LOCATION	DESCRIPTION	LENGTH (FT)	QUANTITY (FT)
STATION TO STATION			
<b>MAINLINE</b>			
STA. 051+83.31 C <sub>L</sub> to STA. 326+64.62 BK C <sub>L</sub>	(4'x4"-40' Space) - YELLOW	27,481	2,748
STA EQN 326+64.62 BK = 326+87.42 AH			
STA. 326+87.42 AH C <sub>L</sub> to STA. 436+71.50 BK C <sub>L</sub>	(4'x4"-40' Space) - YELLOW	10,984	1,098
STA EQN 436+71.50 BK = 436+90.18 AH			
STA. 436+90.18 AH C <sub>L</sub> to STA. 439+31.41 C <sub>L</sub>	(4'x4"-40' Space) - YELLOW	241	24
<b>MAINLINE TOTAL:</b>			<b>3,870</b>
<b>3 APPLICATIONS:</b>			<b>11,610</b>
<b>RESURFACED SHOULDERS</b>			
STA. 132+64.00 LT to STA. 135+12.00 LT	(4'x4"-100' Space)	248	10
STA. 422+12.00 RT to STA. 424+98.00 RT	(4'x4"-100' Space)	286	11
STA. 429+81.00 LT to STA. 432+95.00 LT	(4'x4"-100' Space)	314	13
<b>PROPOSED SHOULDERS</b>			
STA. 309+30.07 LT to STA. 315+95.84 LT	(4'x4"-100' Space)	666	27
STA. 310+79.26 RT to STA. 315+78.30 RT	(4'x4"-100' Space)	499	20
STA. 414+13.75 LT to STA. 417+89.98 LT	(4'x4"-100' Space)	376	15
STA. 423+38.91 LT to STA. 427+95.56 LT	(4'x4"-100' Space)	457	18
STA. 425+13.96 RT to STA. 427+70.43 RT	(4'x4"-100' Space)	256	10
<b>SHOULDER TOTAL:</b>			<b>124</b>
<b>2 APPLICATIONS:</b>			<b>248</b>
<b>JOB TOTAL:</b>			<b>11,858</b>

## RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

IL 99 (FAP (550))			
78300200			
LOCATION	DESCRIPTION	LENGTH (FT)	QUANTITY (EACH)
STATION TO STATION			
STA. 051+83.31 C <sub>L</sub> to STA. 326+64.62 BK C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	27,481	344
STA EQN 326+64.62 BK = 326+87.42 AH			
STA. 326+87.42 AH C <sub>L</sub> to STA. 436+71.50 BK C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	10,984	137
STA EQN 436+71.50 BK = 436+90.18 AH			
STA. 436+90.18 AH C <sub>L</sub> to STA. 439+31.41 C <sub>L</sub>	2 WAY AMBER (1 EVERY 80')	241	3
<b>TOTAL:</b>			<b>484</b>

## SHORT TERM PAVEMENT MARKING REMOVAL

IL 99 (FAP (550))			
70300150			
LOCATION	DESCRIPTION	LENGTH (FT)	QUANTITY (SQ FT)
STATION TO STATION			
STA. 051+83.31 C <sub>L</sub> to STA. 326+64.62 BK C <sub>L</sub>	(4'x4") - YELLOW STIPE REMOVAL	27,481	916
STA EQN 326+64.62 BK = 326+87.42 AH			
STA. 326+87.42 AH C <sub>L</sub> to STA. 436+71.50 BK C <sub>L</sub>	(4'x4") - YELLOW STIPE REMOVAL	10,984	366
STA EQN 436+71.50 BK = 436+90.18 AH			
STA. 436+90.18 AH C <sub>L</sub> to STA. 439+31.41 C <sub>L</sub>	(4'x4") - YELLOW STIPE REMOVAL	241	8
<b>MAINLINE TOTAL:</b>			<b>1,290</b>
<b>RESURFACED SHOULDERS</b>			
STA. 132+64.00 LT to STA. 135+12.00 LT	(4'x4"-100' Space)	248	3
STA. 422+12.00 RT to STA. 424+98.00 RT	(4'x4"-100' Space)	286	4
STA. 429+81.00 LT to STA. 432+95.00 LT	(4'x4"-100' Space)	314	4
<b>PROPOSED SHOULDERS</b>			
STA. 309+30.07 LT to STA. 315+95.84 LT	(4'x4"-100' Space)	666	9
STA. 310+79.26 RT to STA. 315+78.30 RT	(4'x4"-100' Space)	499	7
STA. 414+13.75 LT to STA. 417+89.98 LT	(4'x4"-100' Space)	376	5
STA. 423+38.91 LT to STA. 427+95.56 LT	(4'x4"-100' Space)	457	6
STA. 425+13.96 RT to STA. 427+70.43 RT	(4'x4"-100' Space)	256	3
<b>SHOULDER TOTAL:</b>			<b>41</b>
<b>JOB TOTAL:</b>			<b>1,331</b>

## EARTHWORK

20200100							
STATION	TO	STATION	OFFSET	EARTH EXCAV (CU YD)	FURNISHED EXCAV WASTE (+) SHORT (-) (CU YD)	SHRINKAGE FACTOR 0.25 (CU YD)	EMBANKMENT (CU YD)
398+10	TO	400+10	LT	309	195	231.75	37
404+01	TO	404+61	RT	0	-20	0	20
<b>TOTALS</b>				<b>309</b>	<b>175</b>	<b>231.75</b>	<b>57</b>

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

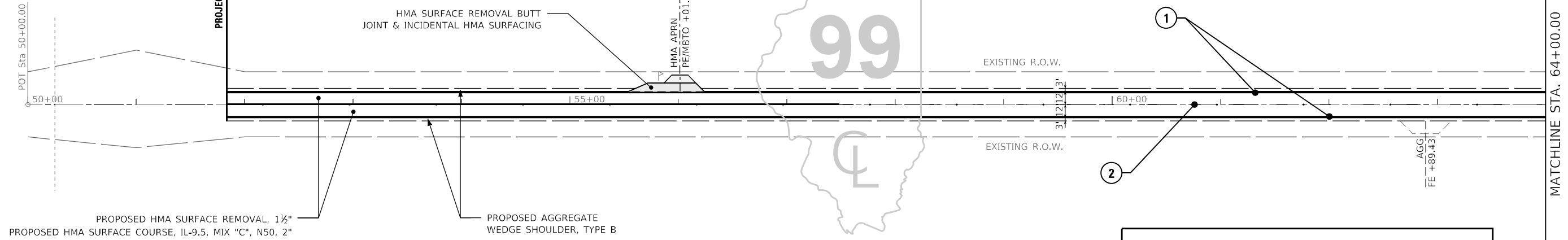
**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	17
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



STA. 50+00.00 Ext. -100.00



PROPOSED HMA SURFACE REMOVAL, 1½"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

PROPOSED AGGREGATE  
WEDGE SHOULDER, TYPE B

**PAVEMENT MARKING LEGEND**

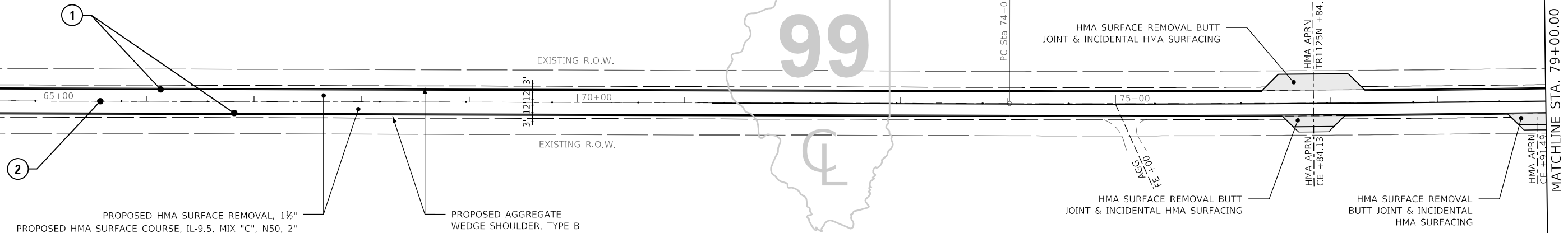
- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MATCHLINE STA. 64+00.00



PROPOSED HMA SURFACE REMOVAL, 1½"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

PROPOSED AGGREGATE  
WEDGE SHOULDER, TYPE B

HMA SURFACE REMOVAL BUTT  
JOINT & INCIDENTAL HMA SURFACING

HMA SURFACE REMOVAL  
BUTT JOINT & INCIDENTAL  
HMA SURFACING

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USER NAME = Brad, Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

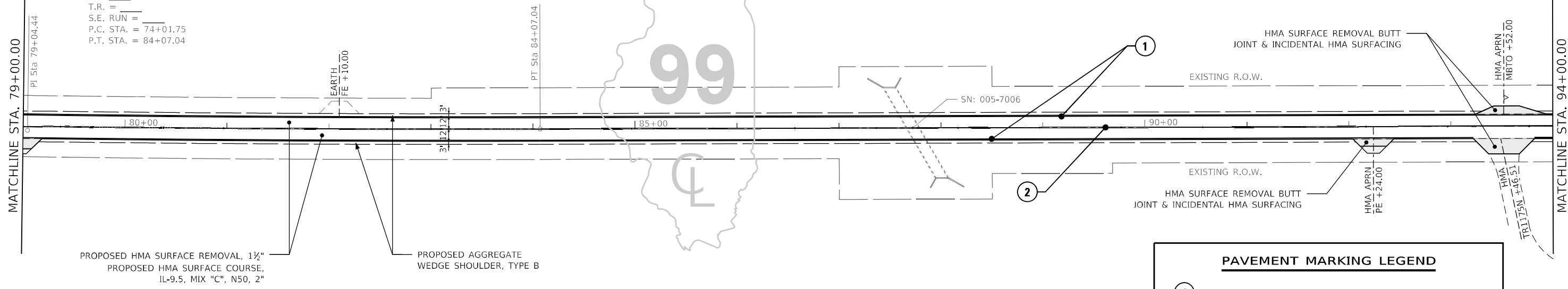
**IL 99 - PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72656	



EXIST. CURVE 1  
 PI STA. = 79+04.44  
 $\Delta = 1^\circ 48' 41''$  (LT)  
 $D = 0^\circ 10' 49''$   
 $R = 31,796.20'$   
 $T = 502.69'$   
 $L = 1,005.30'$   
 $E = 3.97'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 74+01.75$   
 $P.T. STA. = 84+07.04$



**PAVEMENT MARKING LEGEND**

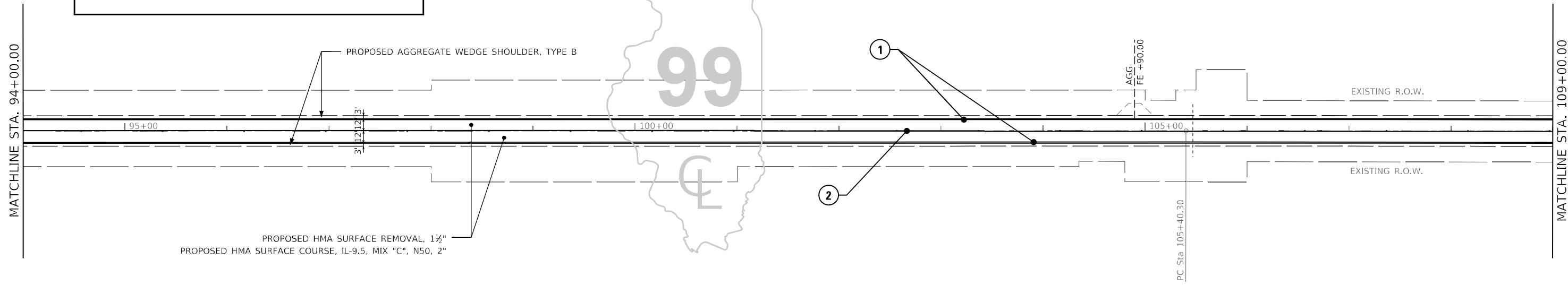
① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

**PAVEMENT MARKING LEGEND**

① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



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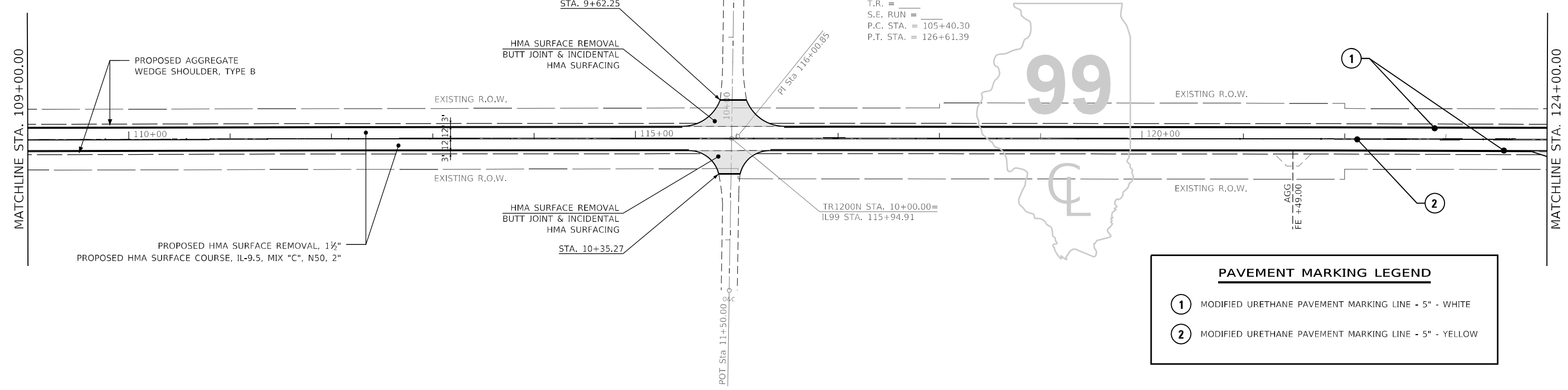
USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL 99 - PLAN SHEETS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

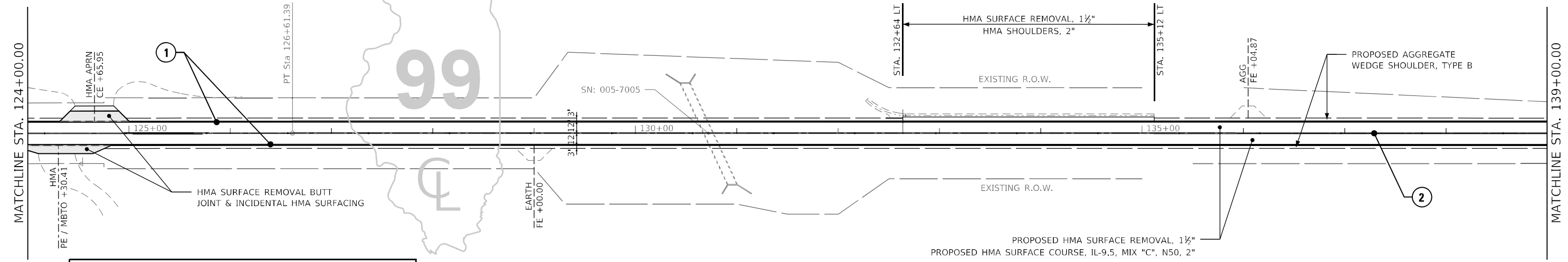
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	19
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE 2  
 PI STA. = 116+00.85  
 $\Delta = 0^{\circ} 25' 09"$  (RT)  
 $D = 0^{\circ} 01' 11"$   
 $R = 289,939.47'$   
 $T = 1,060.55'$   
 $L = 2,121.09'$   
 $E = 1.94'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 105+40.30  
 P.T. STA. = 126+61.39



**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

MODEL: Default  
 FILE: s:\mde\p\project-aw-beadley.com\PI\DOT\Documents\DOT Offsets\Sheet 61\72656\Cadd\as\_b5\10\0\0\sheet61\0672656-sh61-plan.dgn

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISIION -	REVISIION -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISIION -
PLOT DATE = 3/31/2023	DATE -	REVISIION -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

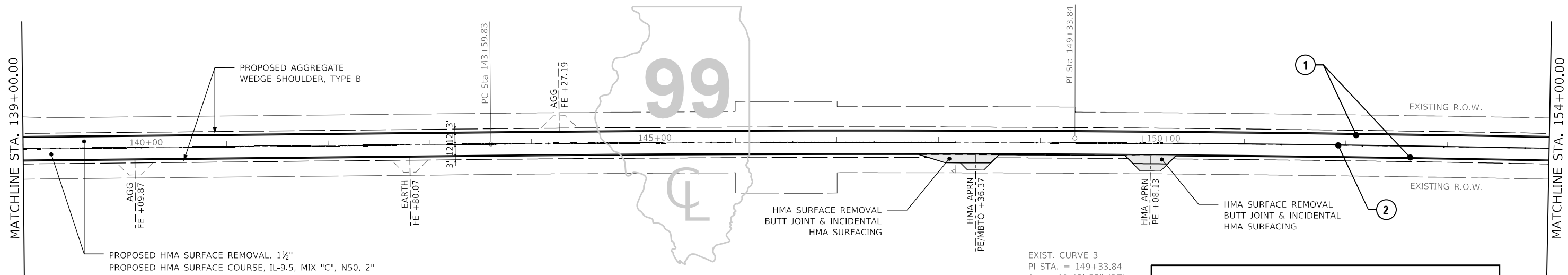
<b>IL 99 – PLAN SHEETS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	20
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 139+00.00

MATCHLINE STA. 154+00.00



EXIST. CURVE 3  
 PI STA. = 149+33.84  
 $\Delta = 1^\circ 48' 53''$  (RT)  
 $D = 0^\circ 09' 29''$   
 $R = 36,241.73'$   
 $T = 574.01'$   
 $L = 1,147.92'$   
 $E = 4.55'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 143+59.83$   
 $P.T. STA. = 155+07.76$

PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

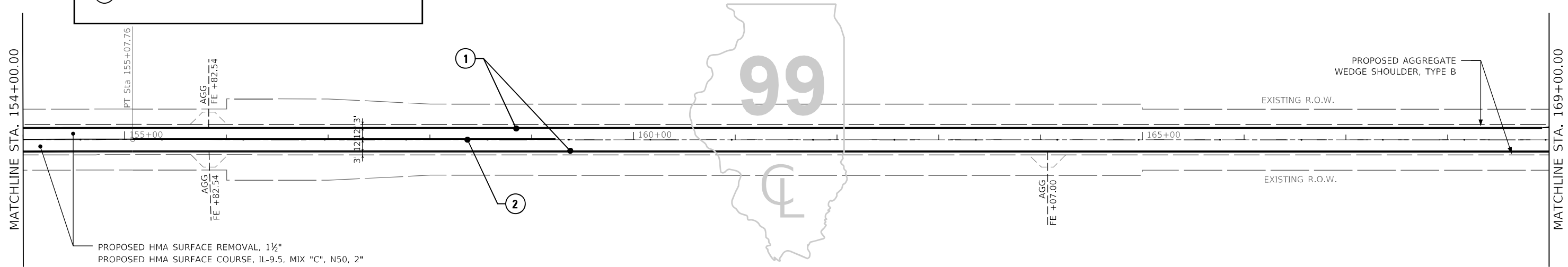
**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MATCHLINE STA. 154+00.00

MATCHLINE STA. 169+00.00



MODEL: Default  
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 DATE: 3/31/2023

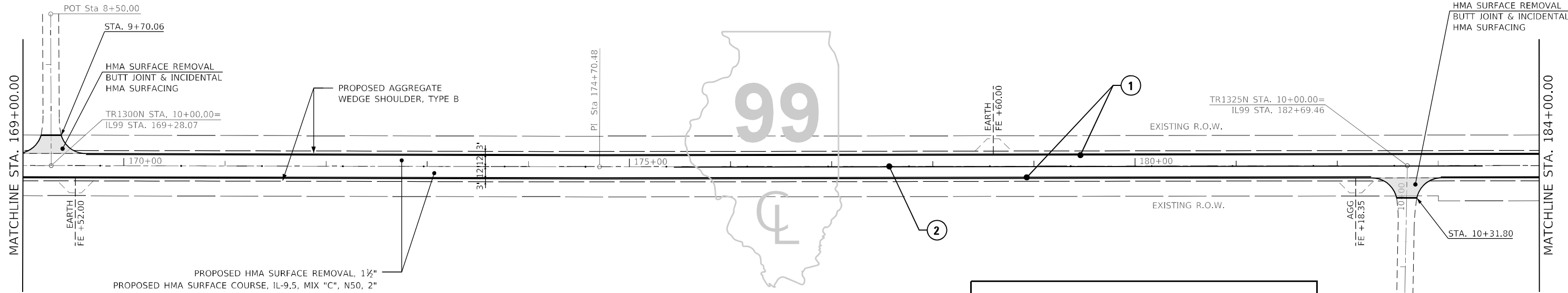
USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISIONS -
PLOT DATE = 3/31/2023	DATE -	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	21
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

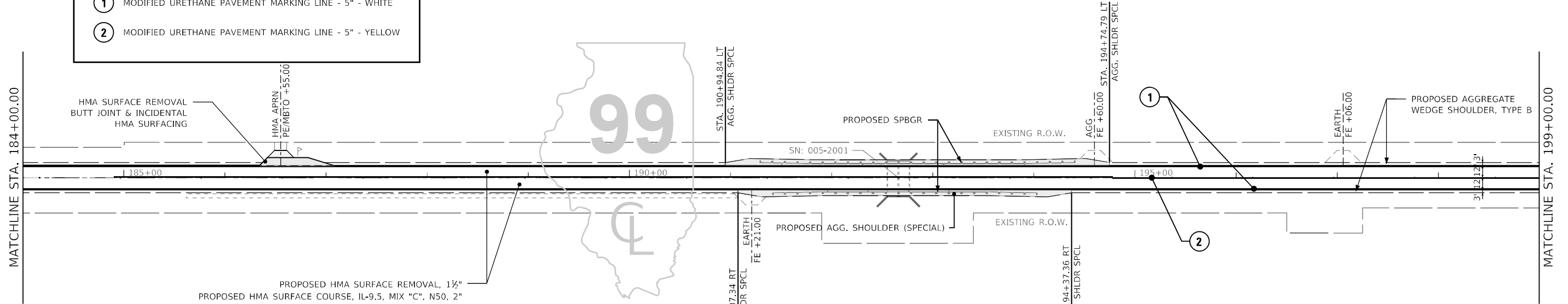
① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

**PAVEMENT MARKING LEGEND**

① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MODEL: Default  
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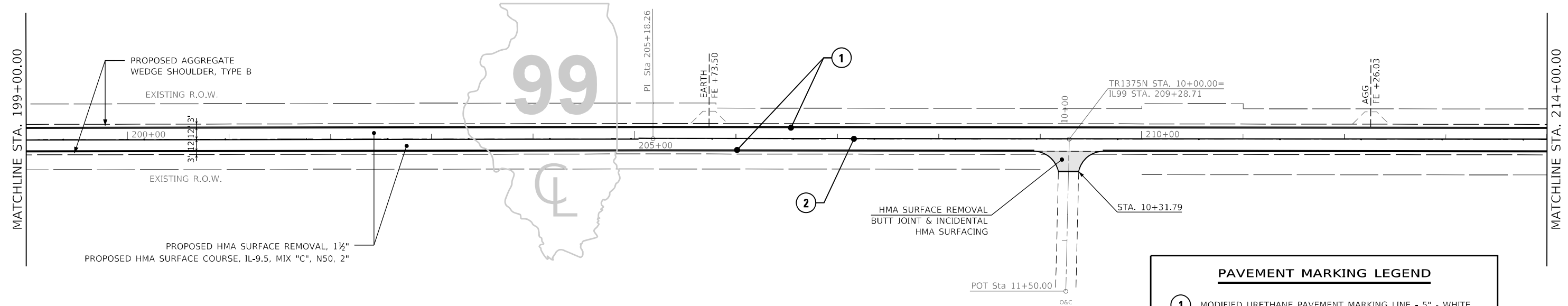
USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

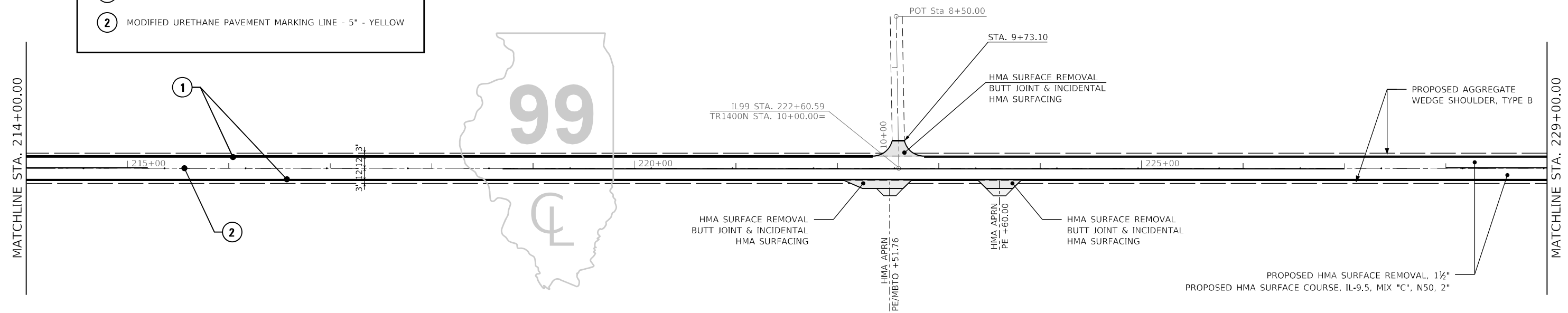
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	22
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
1	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
2	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

PAVEMENT MARKING LEGEND	
1	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
2	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MODEL: Default  
 FILE: \\blakley-bentley.com\P\11001\Documents\DOT\_offices\blakley.com\P\11001\Documents\5510\00\blakley\0672656.dgn

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

IL 99 - PLAN SHEETS				
SCALE:	SHEET	OF	SHEETS	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	23
CONTRACT NO. 72656				
		ILLINOIS	FED. AID PROJECT	



MATCHLINE STA. 229+00.00

PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

230+00

3' 11 1/2" 3'

235+00

1

99

CL

240+00

EXISTING R.O.W.

EXISTING R.O.W.

MATCHLINE STA. 244+00.00

PROPOSED HMA SURFACE REMOVAL, 1 1/2"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MATCHLINE STA. 244+00.00

245+00

PI Sta 245+17.08  
AGG FE +47.04

1

2

3' 11 1/2" 3'

99

CL

250+00

STA. 10+31.73

TR1455N STA. 10+00.00=  
IL99 STA. 252+72.71

255+00

EXISTING R.O.W.

EXISTING R.O.W.

PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

MATCHLINE STA. 259+00.00

PROPOSED HMA SURFACE REMOVAL, 1 1/2"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

HMA SURFACE REMOVAL  
BUTT JOINT & INCIDENTAL  
HMA SURFACING

EARTH FE +73.00

POT Sta 11+50.00  
AGG

MODEL: Default  
FILE: \\nlfpc-pw-bentley.com\P\119DOT\Documents\DOT\_Offices\District\_6\Projects\0672656\CaddData\_S5\0672656\sheet\0672656-pltb.dgn

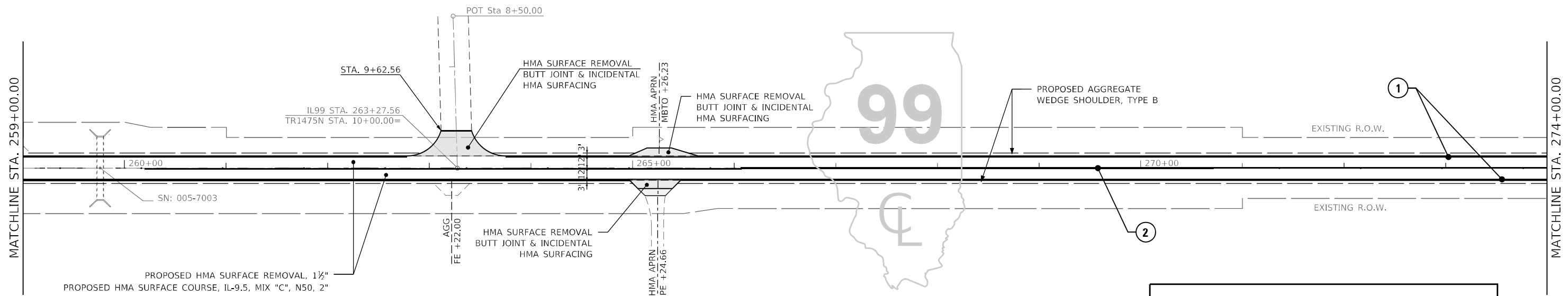
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

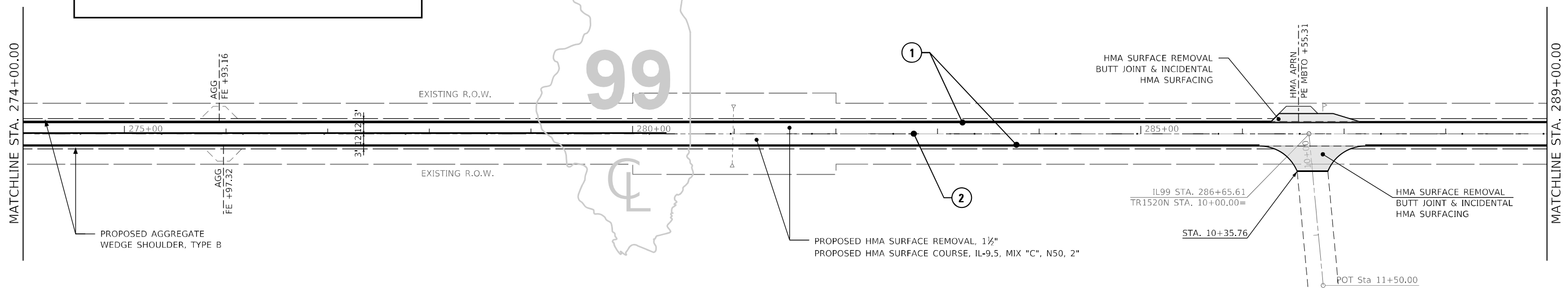
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	24
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MODEL: Default  
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USER NAME =	Brad,Blakley	DESIGNED -	REVISED -
DRAWN -		REVISIONS -	
PLOT SCALE =	100,0000' / in.	CHECKED -	REVISED -
PLOT DATE =	3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

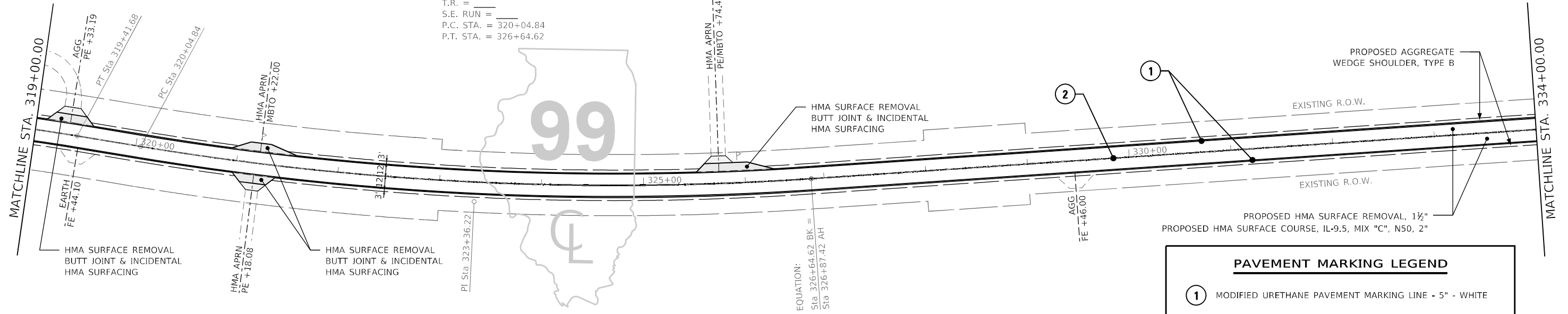
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	25
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



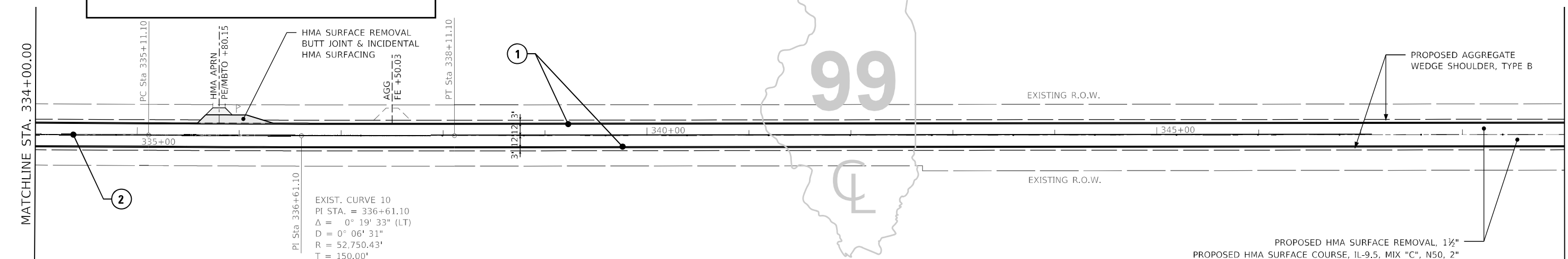


EXIST. CURVE 9  
 PI STA. = 323+36.22  
 $\Delta = 13^\circ 17' 13''$  (LT)  
 $D = 2^\circ 00' 50''$   
 $R = 2,845.12'$   
 $T = 331.38'$   
 $L = 659.79'$   
 $E = 19.23'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 320+04.84  
 P.T. STA. = 326+64.62



PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



EXIST. CURVE 10  
 PI STA. = 336+61.10  
 $\Delta = 0^\circ 19' 33''$  (LT)  
 $D = 0^\circ 06' 31''$   
 $R = 52,750.43'$   
 $T = 150.00'$   
 $L = 300.00'$   
 $E = 0.21'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 335+11.10  
 P.T. STA. = 338+11.10

MODEL: Default  
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USER NAME = Brae,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 99 - PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 27
CONTRACT NO. 72656				
ILLINOIS		FED. AID PROJECT		



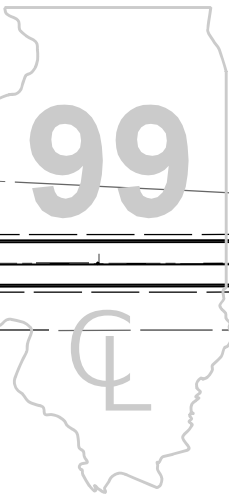
MATCHLINE STA. 349+00.00

PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

350+00

3' 11 2/3"

AGG  
FE +16.00



EARTH  
FE +07.00

EXISTING R.O.W.

355+00

2

360+00

PC Sta 360+93.86

PI Sta 362+43.86

HMA APRN  
CE/MBTO +62.01

PT Sta 363+93.86

MATCHLINE STA. 364+00.00

**PAVEMENT MARKING LEGEND**

- 1 MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- 2 MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

PROPOSED HMA SURFACE REMOVAL, 1 1/2"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

EXIST. CURVE 11  
PI STA. = 362+43.86  
Δ = 0° 25' 01" (RT)  
D = 0° 08' 20"  
R = 41,238.64'  
T = 150.00'  
L = 300.00'  
E = 0.27'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 360+93.86  
P.T. STA. = 363+93.86



MATCHLINE STA. 364+00.00

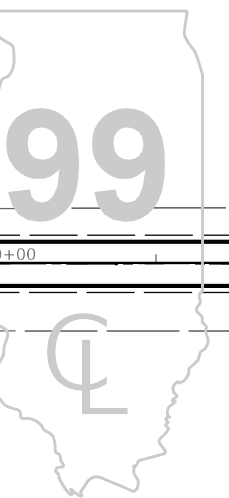
HMA SURFACE REMOVAL  
BUTT JOINT & INCIDENTAL  
HMA SURFACING

EXISTING R.O.W.

365+00

AGG  
FE +22.68

3' 11 2/3"



370+00

2

375+00

PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

EARTH  
FE +39.67

MATCHLINE STA. 379+00.00

**PAVEMENT MARKING LEGEND**

- 1 MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- 2 MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

PROPOSED HMA SURFACE REMOVAL, 1 1/2"  
PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 2"

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

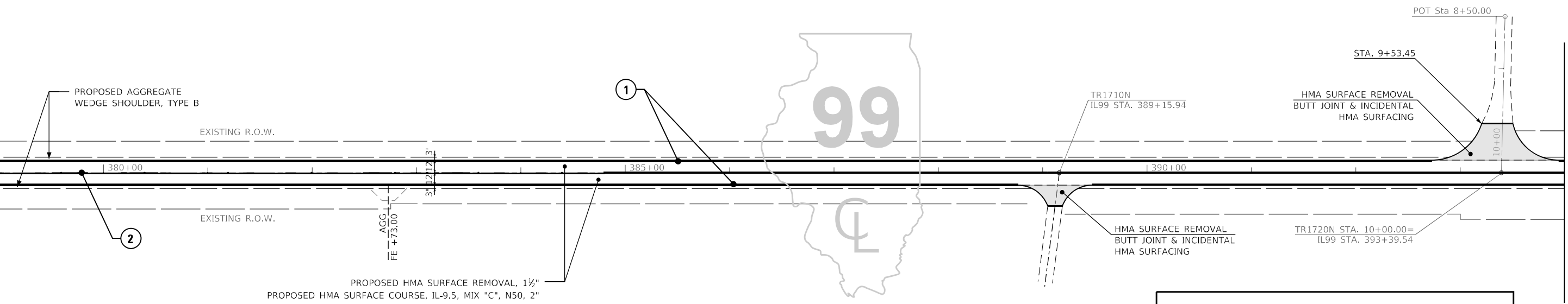
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

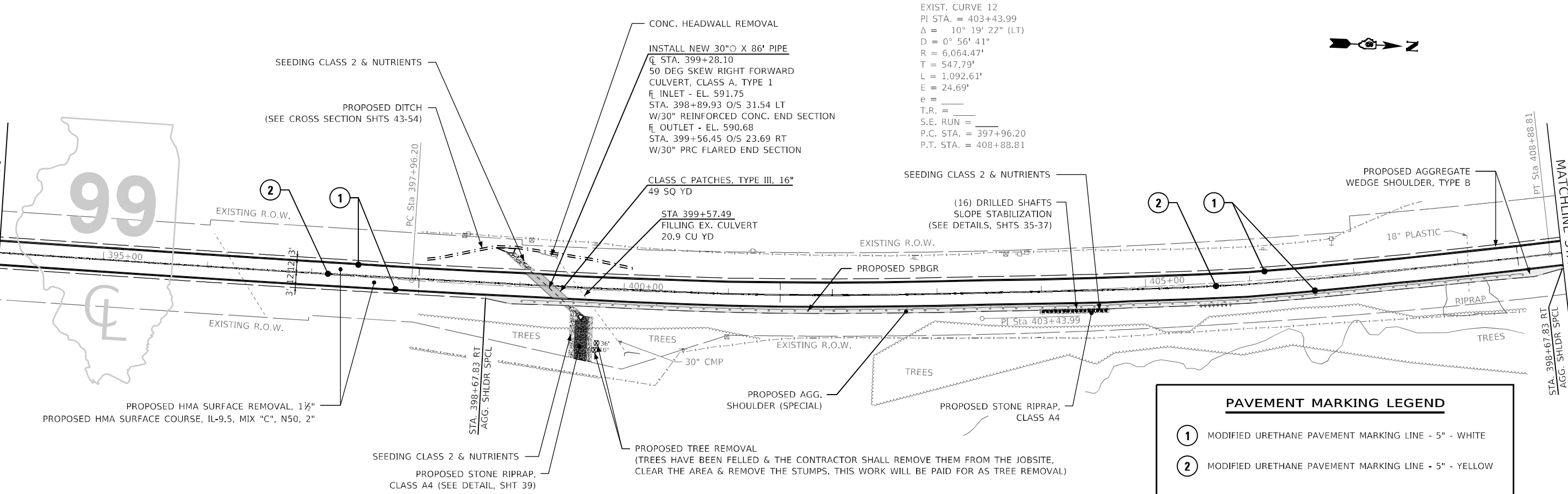
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	28
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 379+00.00



PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

MATCHLINE STA. 394+00.00



PAVEMENT MARKING LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
②	MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

MODEL: Default  
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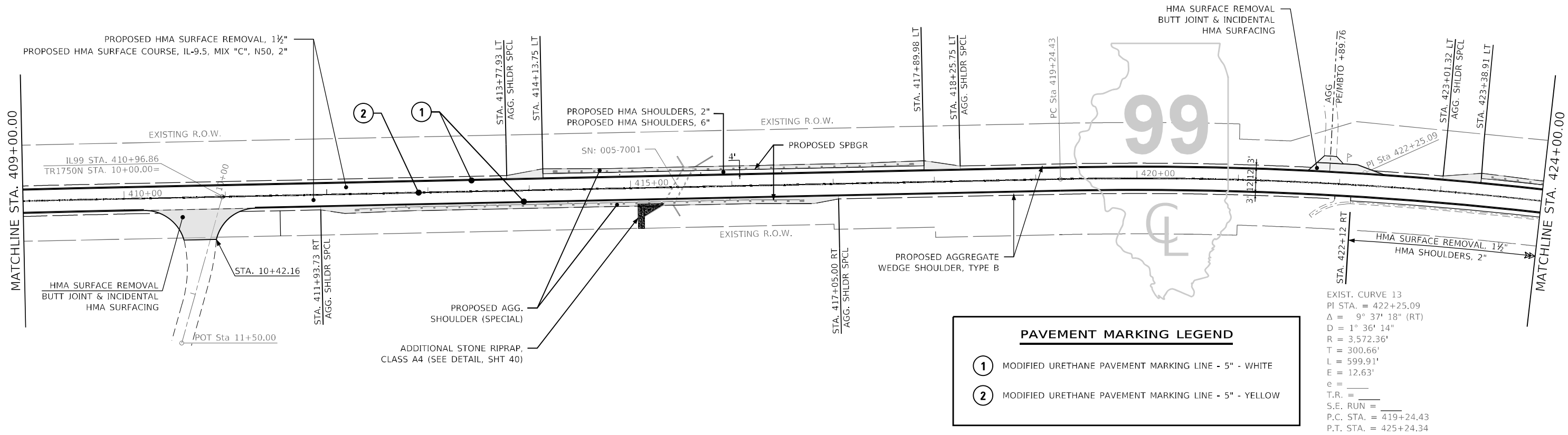
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DRAWN -		REVISD -	
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PLOT DATE =	3/31/2023	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 99 - PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	29
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

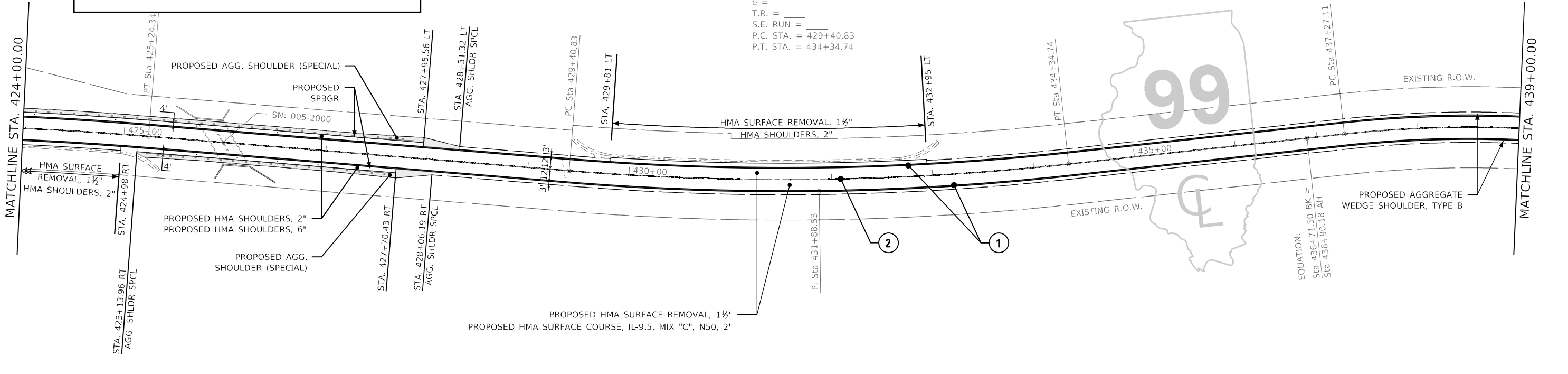
EXIST. CURVE 13  
 PI STA. = 422+25.09  
 $\Delta = 9^\circ 37' 18''$  (RT)  
 $D = 1^\circ 36' 14''$   
 $R = 3,572.36'$   
 $T = 300.66'$   
 $L = 599.91'$   
 $E = 12.63'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 419+24.43$   
 $P.T. STA. = 425+24.34$

**PAVEMENT MARKING LEGEND**

① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE

② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW

EXIST. CURVE 14  
 PI STA. = 431+88.53  
 $\Delta = 10^\circ 52' 43''$  (LT)  
 $D = 2^\circ 12' 09''$   
 $R = 2,601.37'$   
 $T = 247.70'$   
 $L = 493.91'$   
 $E = 11.77'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 429+40.83$   
 $P.T. STA. = 434+34.74$



MODEL: Default  
 FILE: 72656\_Plan\_Sheets.dwg  
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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 3/31/2023	DATE -	REVISOR -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>IL 99 - PLAN SHEETS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE. = 550	SECTION = 9RS-3, 10RS-2	COUNTY = BROWN	TOTAL SHEETS = 54	SHEET NO. = 30
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE 809  
 PI STA. = 448+84.00  
 $\Delta = 17^\circ 27' 23''$  (LT)  
 D = 4° 59' 59"  
 R = 1,145.99'  
 T = 175.94'  
 L = 349.15'  
 E = 13.43'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 447+08.06  
 P.T. STA. = 450+57.22



EXIST. CURVE 810  
 PI STA. = 440+39.64  
 $\Delta = 30^\circ 27' 21''$  (RT)  
 D = 4° 59' 26"  
 R = 1,148.09'  
 T = 312.53'  
 L = 610.27'  
 E = 41.78'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 437+27.11  
 P.T. STA. = 443+37.38

**PAVEMENT MARKING LEGEND**

- ① MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - WHITE
- ② MODIFIED URETHANE PAVEMENT MARKING LINE - 5" - YELLOW



MODEL: Default  
 FILE NAME: p:\ultra-cad\aw-bee\lay.com\p\INDOT\Documents\DOT\_Offices\District\_6\Project\0672656\CADD\data\_55\0\CADD\sheet\0672656-ah-plb.dgn

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

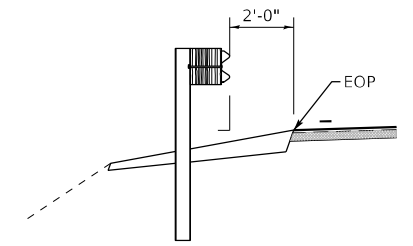
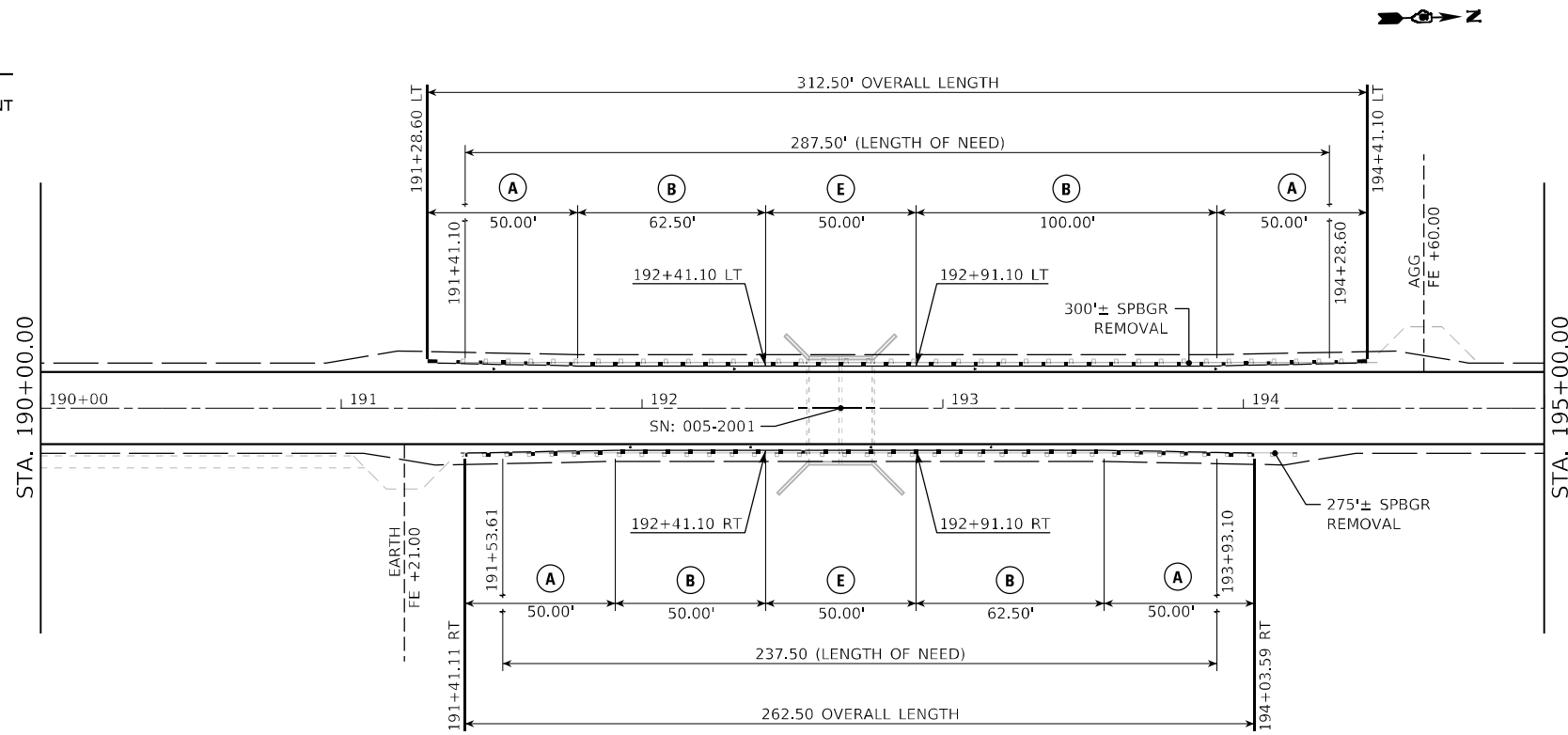
**IL 99 - PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

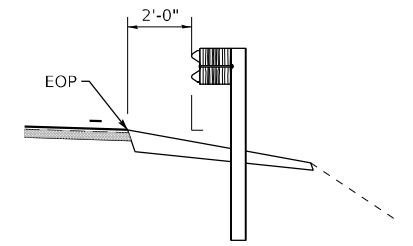
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	31
			CONTRACT NO. 72656	
		ILLINOIS FED. AID PROJECT		

# LEGEND

- (A) PAY LIMITS TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (B) PAY LIMITS SPBGR, TYPE A 6' POST
- (C) PAY LIMITS SPBGR, TYPE A 9' POST
- (D) PAY LIMITS 18'-9" LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (E) PAY LIMITS 25' LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (F) PAY LIMITS STRONG POST SPBGR, ATTACHED TO CULVERT (REFER TO STANDARD 630101)

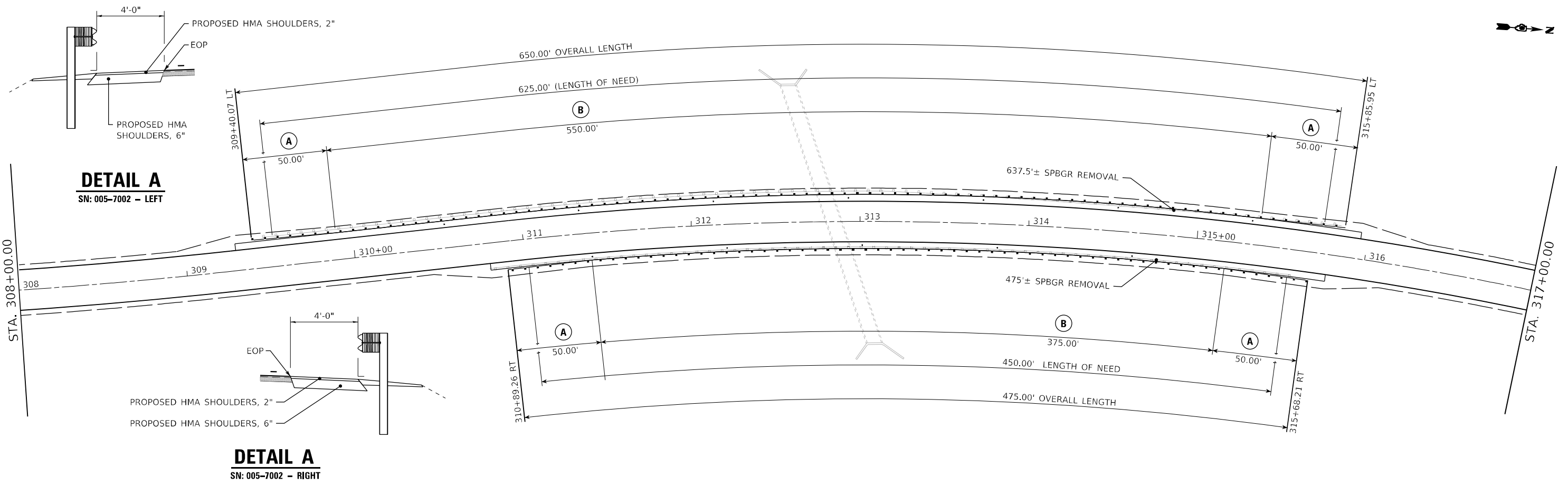


**DETAIL A**  
SN: 005-2001 - LEFT



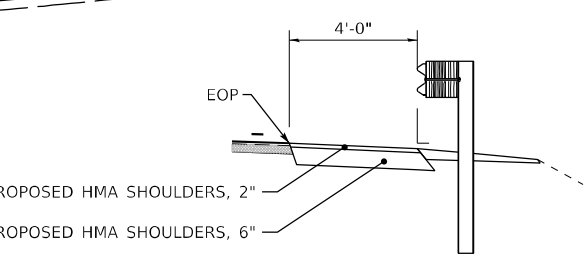
**DETAIL A**  
SN: 005-2001 - RIGHT

MODEL: Default  
 FILE: \\nafe-pw-bentley.com\P\DOT\Documents\DOT Office\District: E\Project\0672656\CADD\data\_S5\060500\sheet\0672656-rt-Guardrail-001.dgn



**DETAIL A**  
SN: 005-7002 - LEFT

**DETAIL A**  
SN: 005-7002 - RIGHT



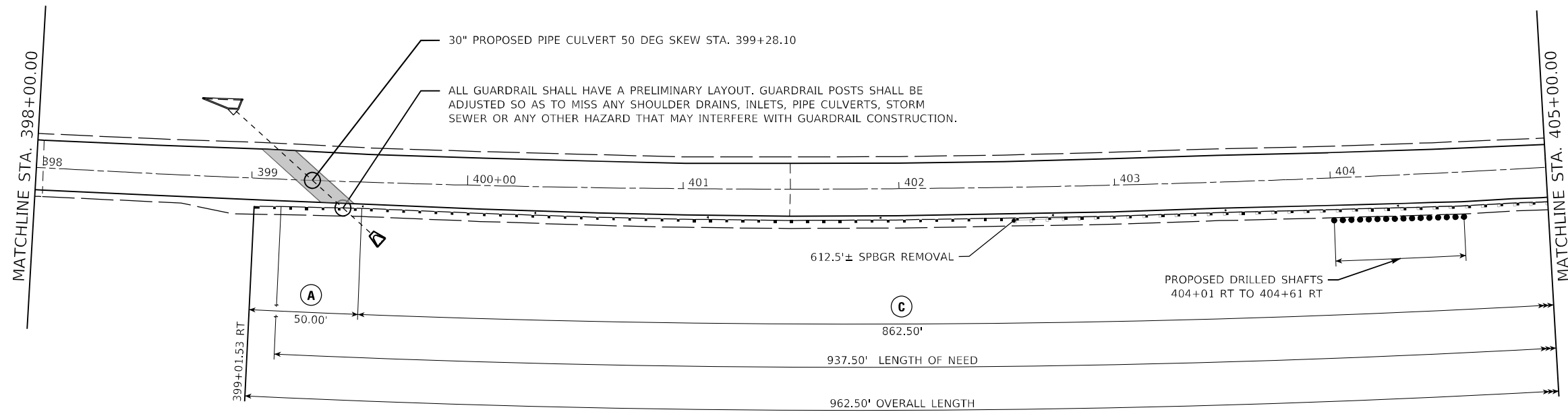
PROPOSED HMA SHOULDERS, 2"  
PROPOSED HMA SHOULDERS, 6"

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 60,0000 * / in.	CHECKED -	REVISOR -
PLOT DATE = 3/31/2023	DATE -	REVISOR -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

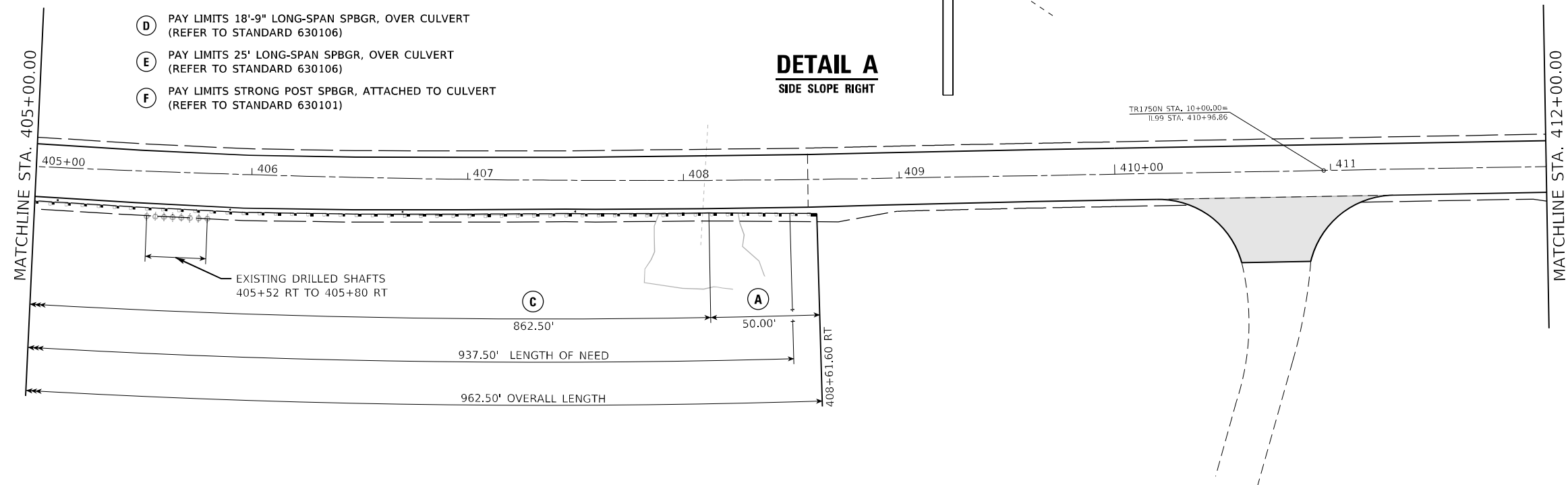
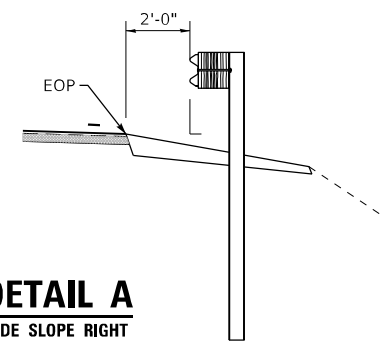
<b>GUARDRAIL PLAN - LENGTH OF NEED</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	32
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



### LEGEND

- (A) PAY LIMITS TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (B) PAY LIMITS SPBGR, TYPE A 6' POST
- (C) PAY LIMITS SPBGR, TYPE A 9' POST
- (D) PAY LIMITS 18'-9" LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (E) PAY LIMITS 25' LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (F) PAY LIMITS STRONG POST SPBGR, ATTACHED TO CULVERT (REFER TO STANDARD 630101)



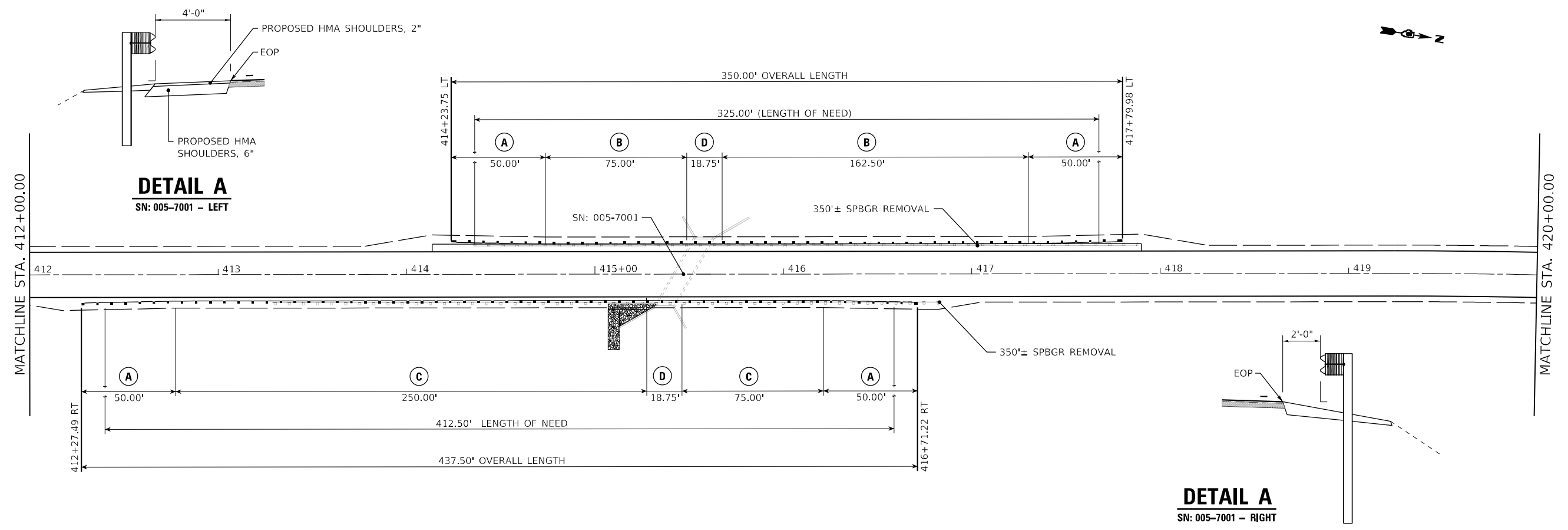
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PLOT SCALE = 60,0000 */ in.	DRAWN -	REVISED -
PLOT DATE = 3/31/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

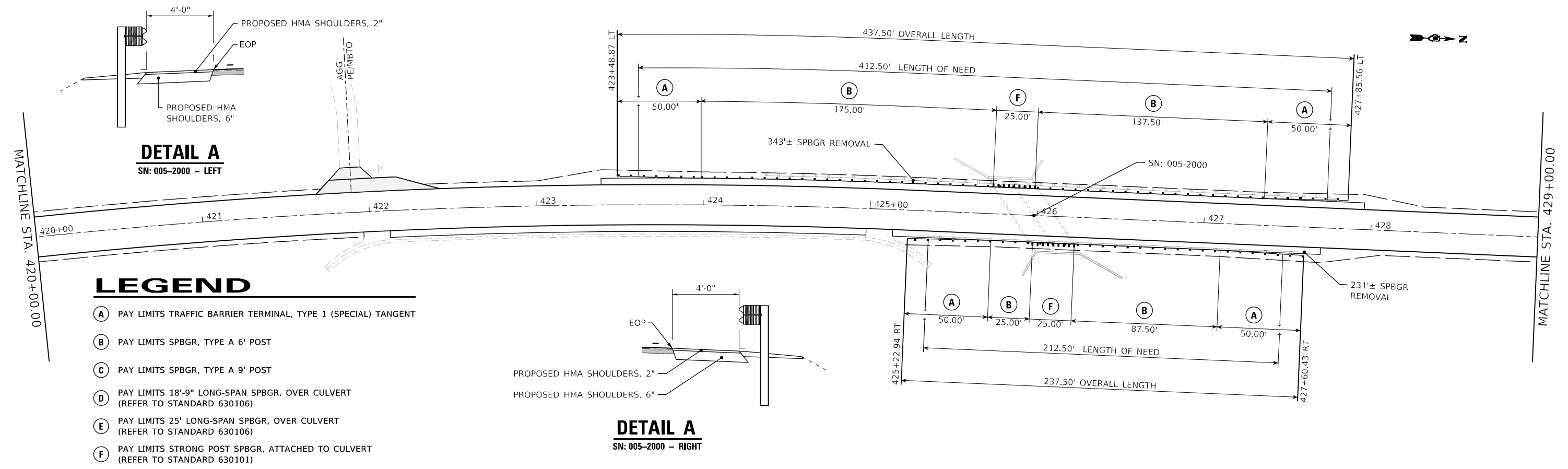
<b>GUARDRAIL PLAN - LENGTH OF NEED</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72656	



**DETAIL A**  
SN: 005-7001 - LEFT

**DETAIL A**  
SN: 005-7001 - RIGHT



**DETAIL A**  
SN: 005-2000 - LEFT

**DETAIL A**  
SN: 005-2000 - RIGHT

**LEGEND**

- (A) PAY LIMITS TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (B) PAY LIMITS SPBGR, TYPE A 6' POST
- (C) PAY LIMITS SPBGR, TYPE A 9' POST
- (D) PAY LIMITS 18'-9" LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (E) PAY LIMITS 25' LONG-SPAN SPBGR, OVER CULVERT (REFER TO STANDARD 630106)
- (F) PAY LIMITS STRONG POST SPBGR, ATTACHED TO CULVERT (REFER TO STANDARD 630101)

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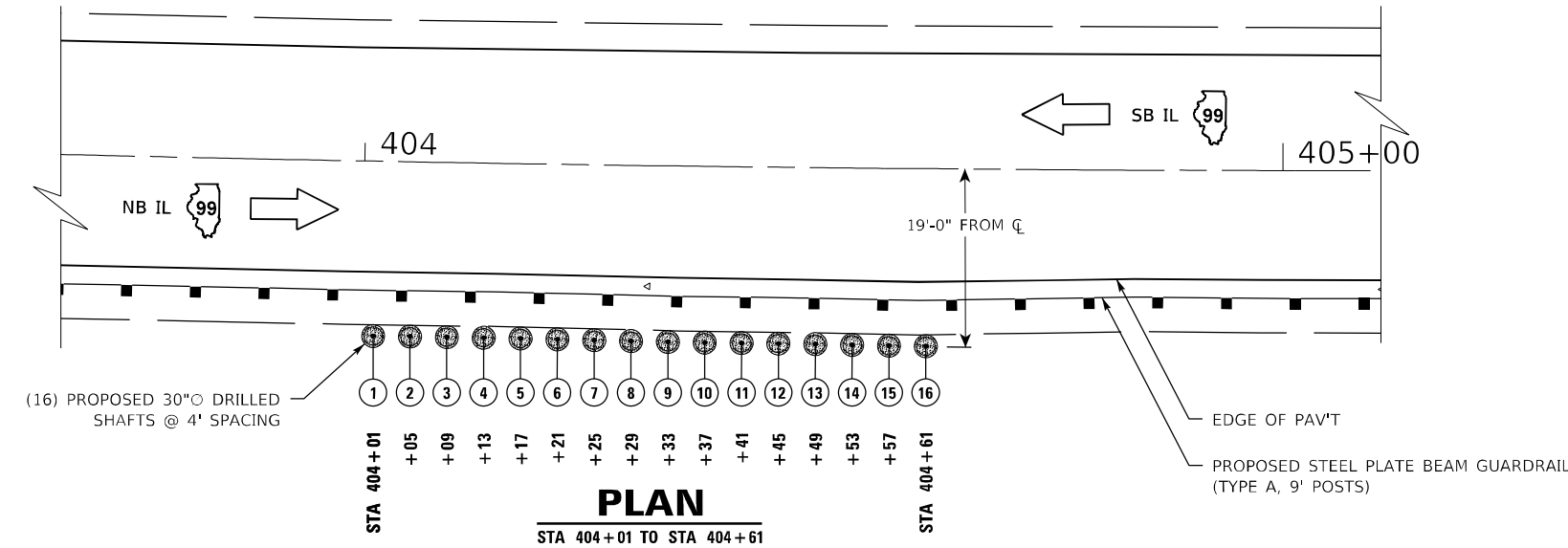
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DRAWN -	REVISED -	REVISED -
PLOT SCALE = 60,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GUARDRAIL PLAN - LENGTH OF NEED</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

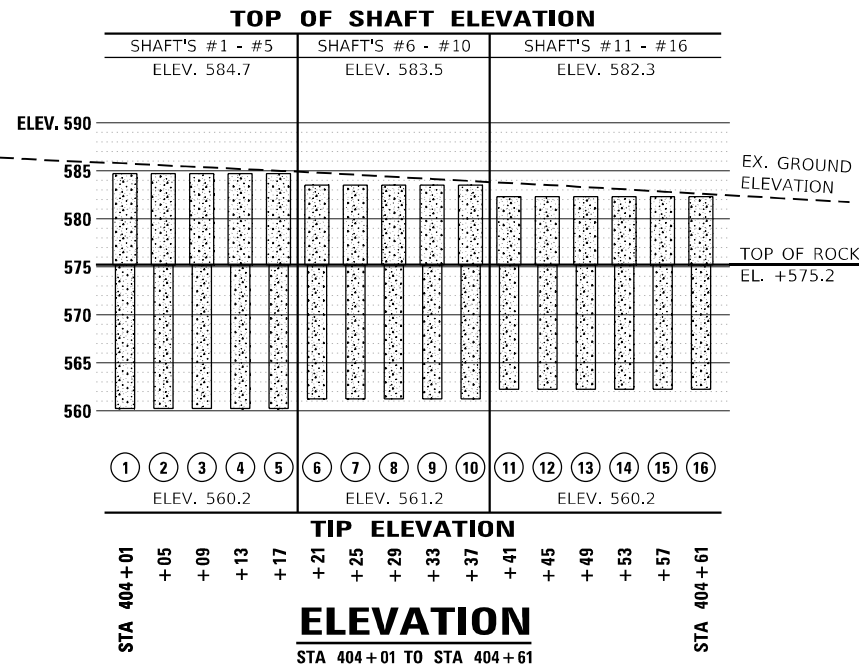
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550	9RS-3, 10RS-2	BROWN	54	34
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				





(16) PROPOSED 30"Ø DRILLED SHAFTS @ 4' SPACING

EDGE OF PAV'T  
PROPOSED STEEL PLATE BEAM GUARDRAIL (TYPE A, 9' POSTS)



**DESIGN STRESSES**  
 $f_c$  CONCRETE = 4000 PSI  
 $f_y$  REINFORCEMENT = 60,000 PSI

**SPIRAL NOTES**  
 LENGTH INDICATED FOR SPIRAL REINFORCEMENT IS THE HEIGHT OF THE SPIRAL.  
 PROVIDE 1-1/2 EXTRA TURNS TOP AND BOTTOM OF SPIRALS. SHOP WELD TOGETHER EXTRA SPIRAL TURNS ACCORDING TO AWS D1.4. PROVIDE MINIMUM OF 4 - #4 SPACERS OR EQUIVALENT.

WHEN SPlicing OF SPIRAL REINFORCEMENT IS NECESSARY, THE SPIRAL SHALL BE PROVIDED WITH 1-1/2 EXTRA TURNS AT THE ENDS TO BE SPliced. THESE ADDITIONAL TURNS SHALL EITHER BE WELDED TOGETHER ACCORDING TO AWS D1.4 OR SHALL BOTH TERMINATE WITH A 135 DEGREE STANDARD HOOK.

BILL OF MATERIALS					
SHAFT NO.	BAR	COUNT (EACH)	SIZE	HEIGHT (FOOT)	SHAPE
1 - 5	SP101	5	#4	24' - 2"	
6 - 10	SP102	5	#4	21' - 11"	
11 - 16	SP103	6	#4	19' - 9"	
1 - 5	V101	50	#8	24' - 2"	
6 - 10	V102	50	#8	21' - 11"	
11 - 16	V103	60	#8	19' - 9"	
REINFORCEMENT BARS				(POUND)	12,750 lb
DRILLED SHAFT IN SOIL				(CU YD)	24 yd <sup>3</sup>
DRILLED SHAFT IN ROCK				(CU YD)	26 yd <sup>3</sup>

DRILLED SHAFTS											
SHAFT NO.	STATION	TOP OF SHAFT (ELEV.)	TOP OF ROCK (ELEV.)	EMBED (FOOT)	TIP (ELEV.)	SOIL DIA (FOOT)	ROCK DIA (FOOT)	LENGTH (FOOT)	51603000 SHAFT IN SOIL (CU YD)	51604000 SHAFT IN ROCK (CU YD)	50800105 TOTAL REBAR PER SHAFT (POUND)
1	404+01	584.7	575.2	15'	560.2	2.5'	2'	24.50'	1.7 yd <sup>3</sup>	1.7 yd <sup>3</sup>	881.25 lb
2	404+05	584.7	575.2	15'	560.2	2.5'	2'	24.50'	1.7 yd <sup>3</sup>	1.7 yd <sup>3</sup>	881.25 lb
3	404+09	584.7	575.2	15'	560.2	2.5'	2'	24.50'	1.7 yd <sup>3</sup>	1.7 yd <sup>3</sup>	881.25 lb
4	404+13	584.7	575.2	15'	560.2	2.5'	2'	24.50'	1.7 yd <sup>3</sup>	1.7 yd <sup>3</sup>	881.25 lb
5	404+17	584.7	575.2	15'	560.2	2.5'	2'	24.50'	1.7 yd <sup>3</sup>	1.7 yd <sup>3</sup>	881.25 lb
6	404+21	583.5	575.2	14'	561.2	2.5'	2'	22.30'	1.5 yd <sup>3</sup>	1.6 yd <sup>3</sup>	800.14 lb
7	404+25	583.5	575.2	14'	561.2	2.5'	2'	22.30'	1.5 yd <sup>3</sup>	1.6 yd <sup>3</sup>	800.14 lb
8	404+29	583.5	575.2	14'	561.2	2.5'	2'	22.30'	1.5 yd <sup>3</sup>	1.6 yd <sup>3</sup>	800.14 lb
9	404+33	583.5	575.2	14'	561.2	2.5'	2'	22.30'	1.5 yd <sup>3</sup>	1.6 yd <sup>3</sup>	800.14 lb
10	404+37	583.5	575.2	14'	561.2	2.5'	2'	22.30'	1.5 yd <sup>3</sup>	1.6 yd <sup>3</sup>	800.14 lb
11	404+41	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
12	404+45	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
13	404+49	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
14	404+53	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
15	404+57	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
16	404+61	582.3	575.2	13'	562.2	2.5'	2'	20.10'	1.3 yd <sup>3</sup>	1.5 yd <sup>3</sup>	722.63 lb
TOTALS:									23.9 yd <sup>3</sup>	25.9 yd <sup>3</sup>	12,742.70 lb
USE:									24 yd <sup>3</sup>	26 yd <sup>3</sup>	12,750 lb

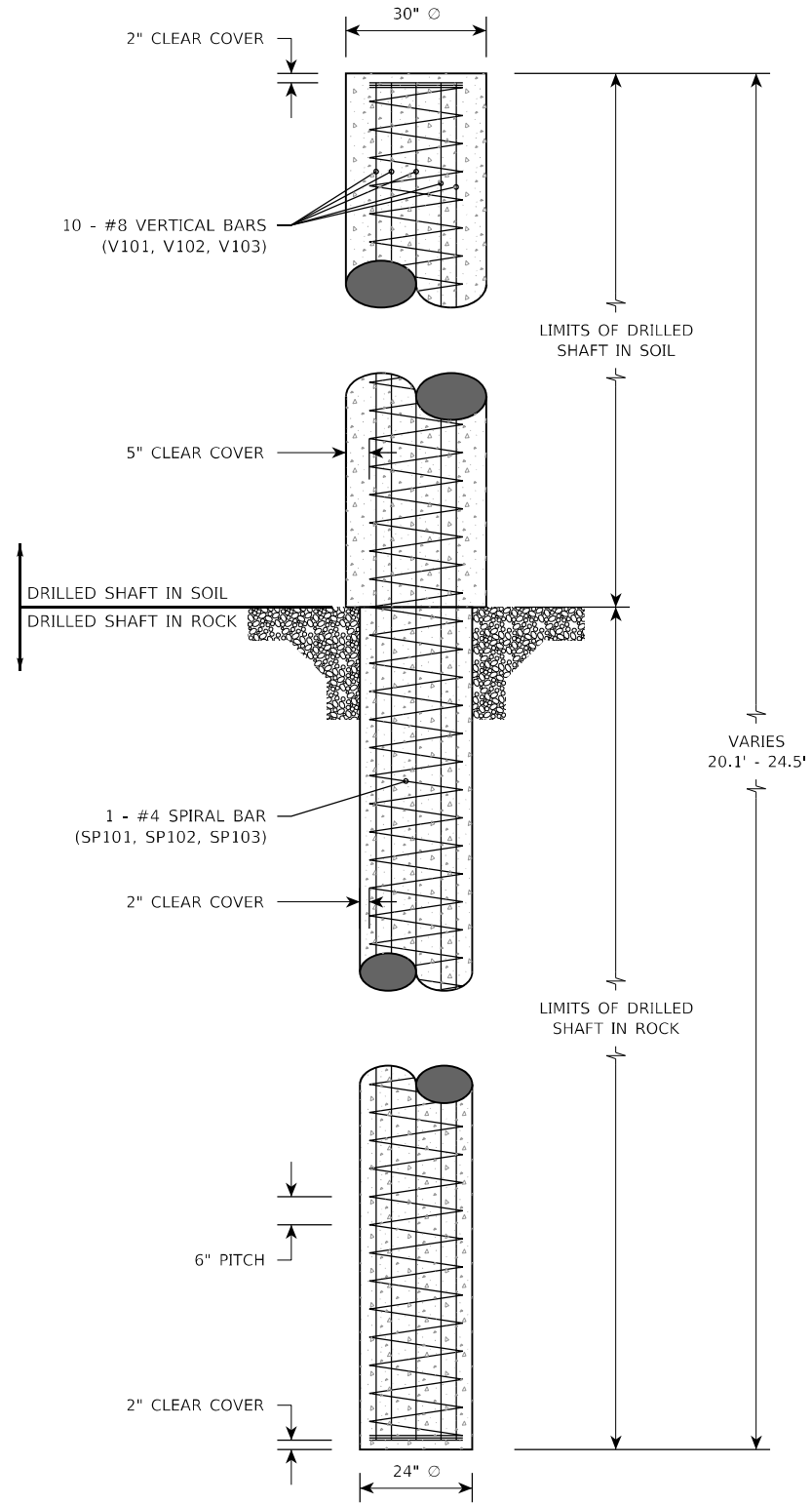
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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

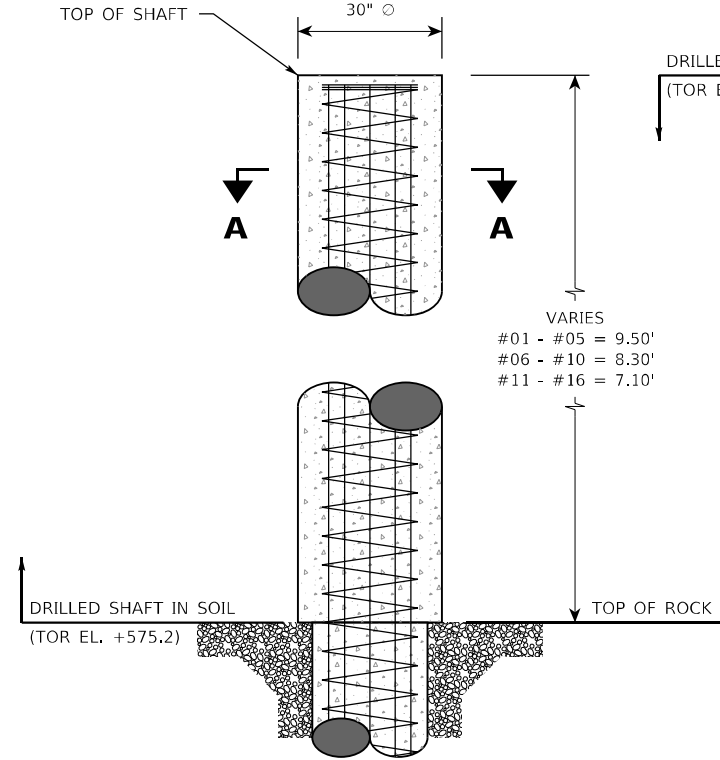
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRILLED SHAFT DETAILS	
SCALE:	SHEET OF SHEETS STA. TO STA.

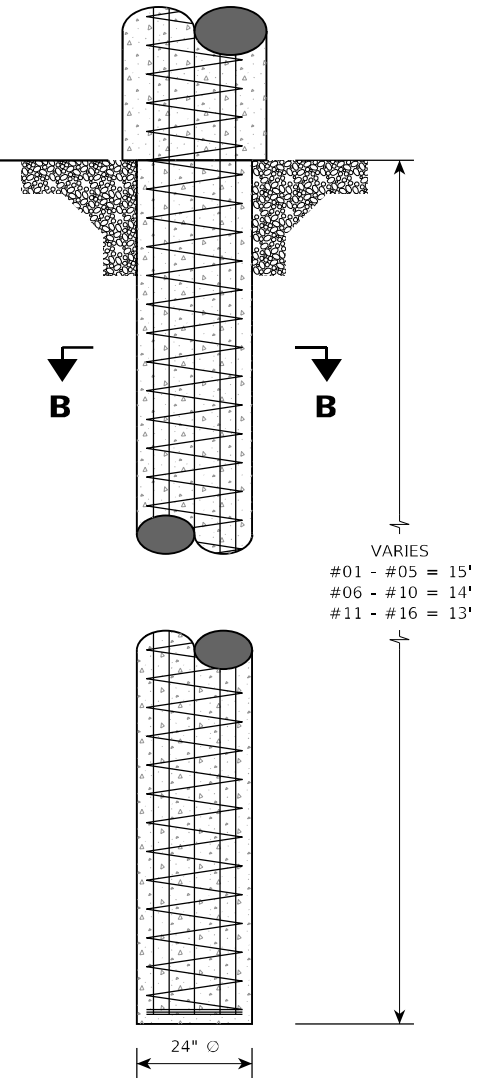
F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 35
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



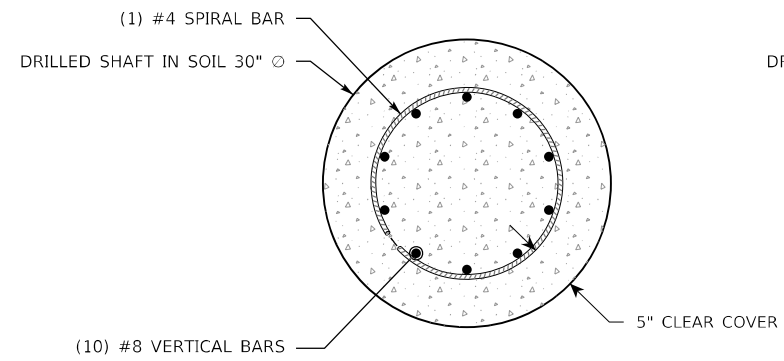
**DRILLED SHAFTS**



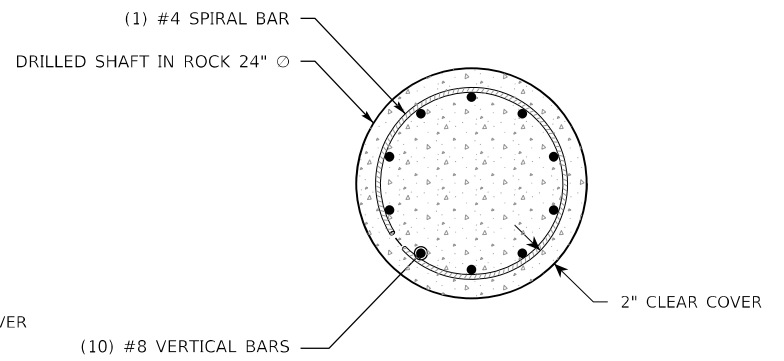
**SHAFT IN SOIL**



**SHAFT IN ROCK**



**SECTION A-A**



**SECTION B-B**

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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/31/2023	DATE -	REVISED -

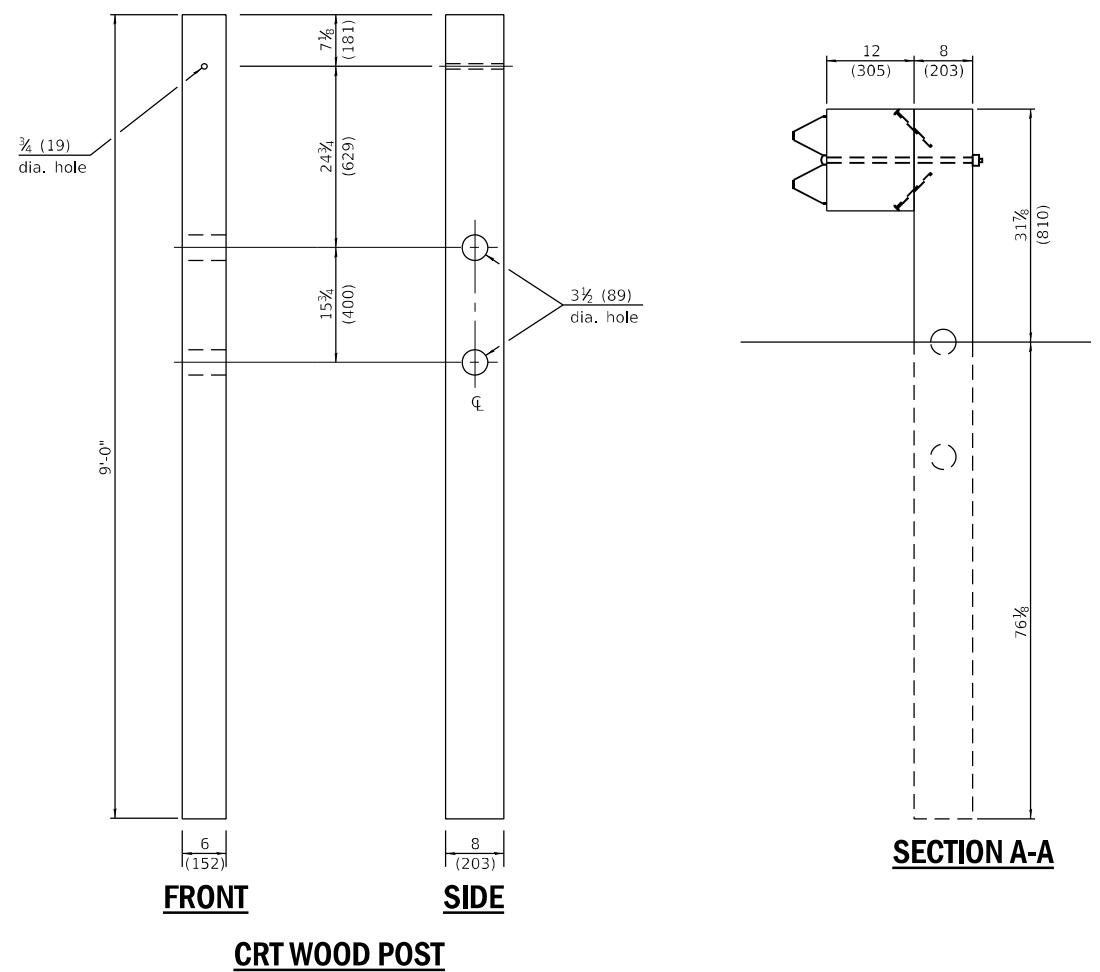
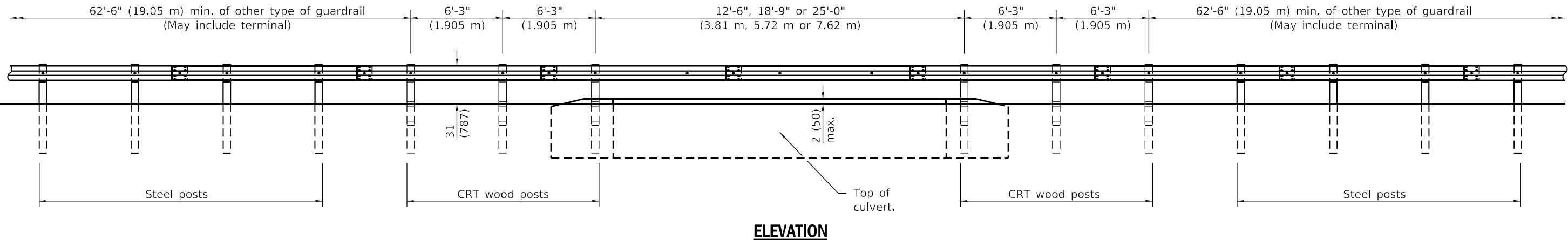
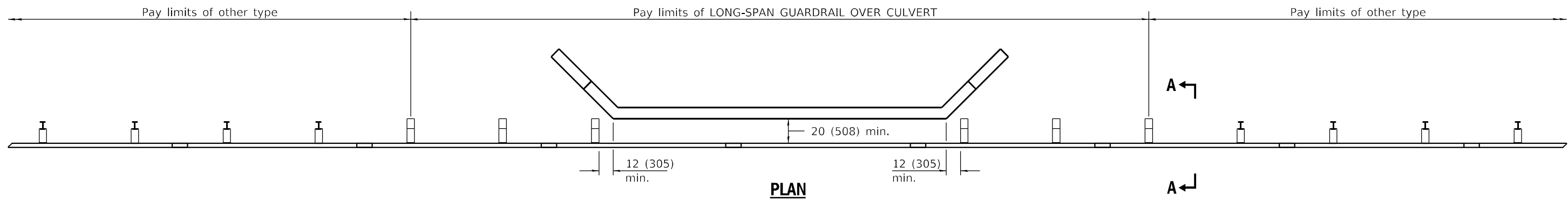
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRILLED SHAFT DETAILS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	36
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				





**GENERAL NOTES**

See Standard 630001 for details of guardrail not shown.

Blockouts shown at steel posts shall be omitted when NON-BLOCKED STEEL PLATE BEAM GUARDRAIL is specified. See Standard 630006 for details not shown.

See Standard 630106-02 for additional information on the guardrail posts

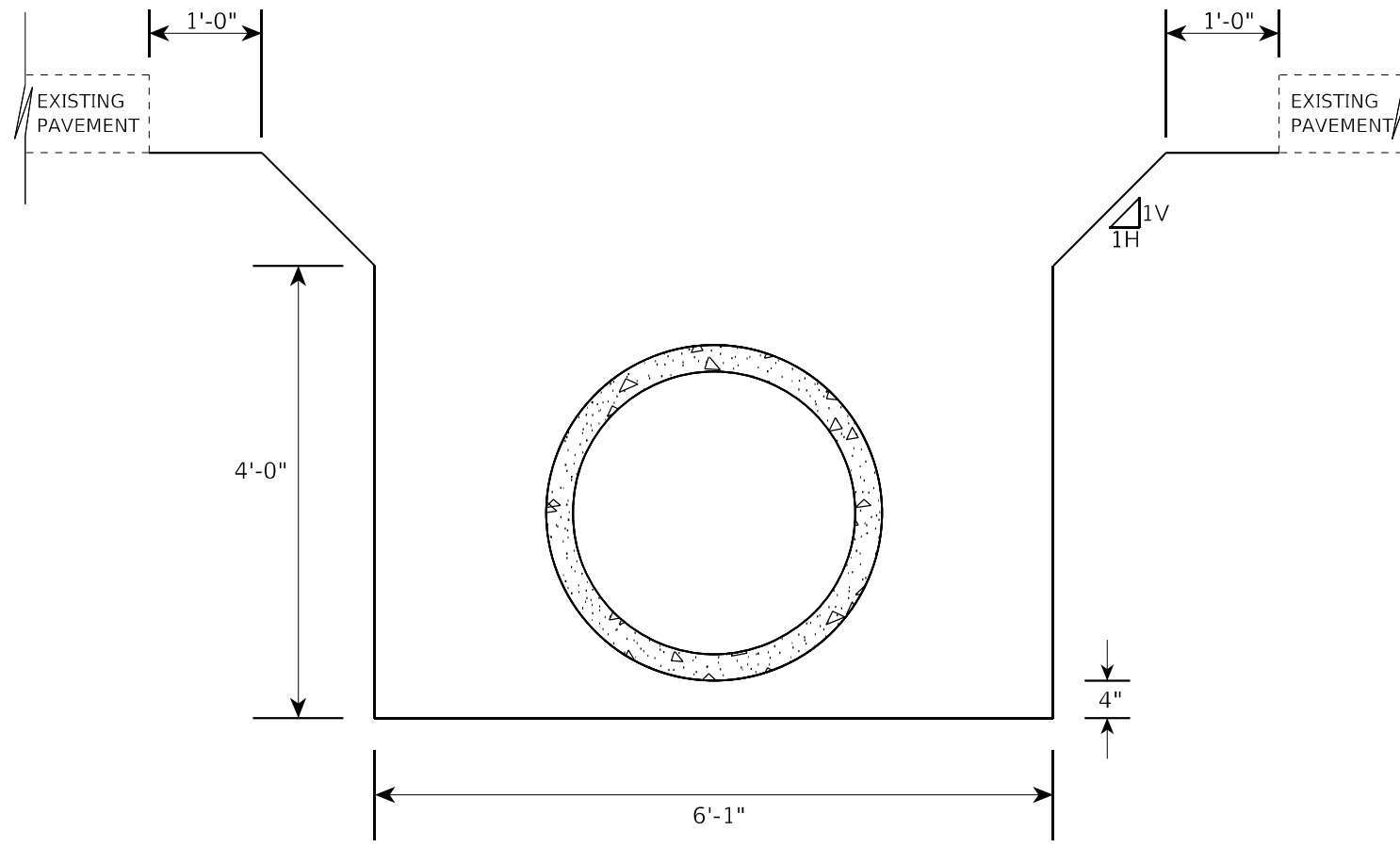
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 SHEET: 54 OF 38

USER NAME = Brad,Blakley	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR -
PLOT DATE = 3/31/2023	DATE -	REVISION -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

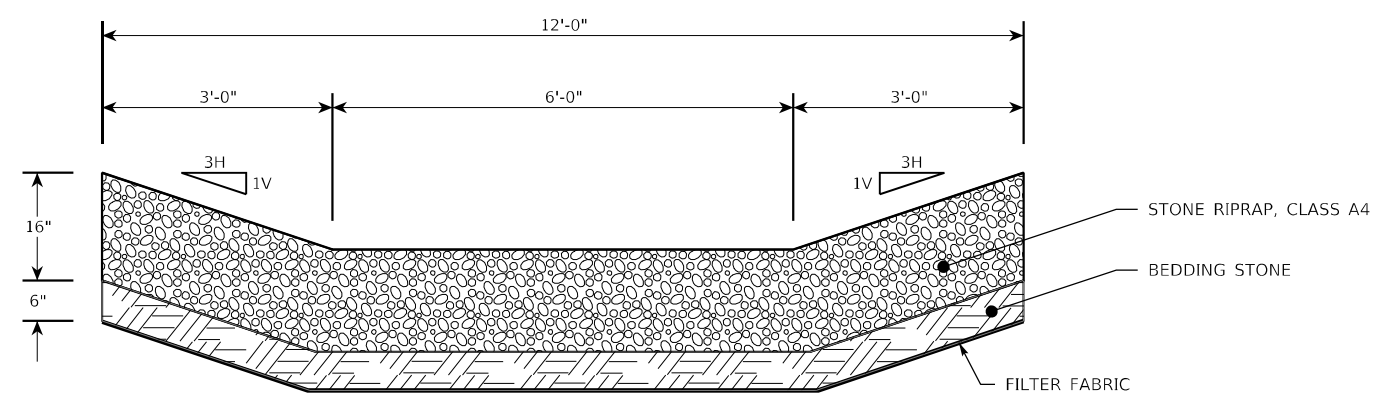
<b>LONG-SPAN GUARDRAIL OVER CULVERT</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	38
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



**CULVERT TRENCH**

AT STA. 399 + 38.25



**CULVERT AGG DITCH**

PROPOSED 30" Ø CULVERT AGG DITCH

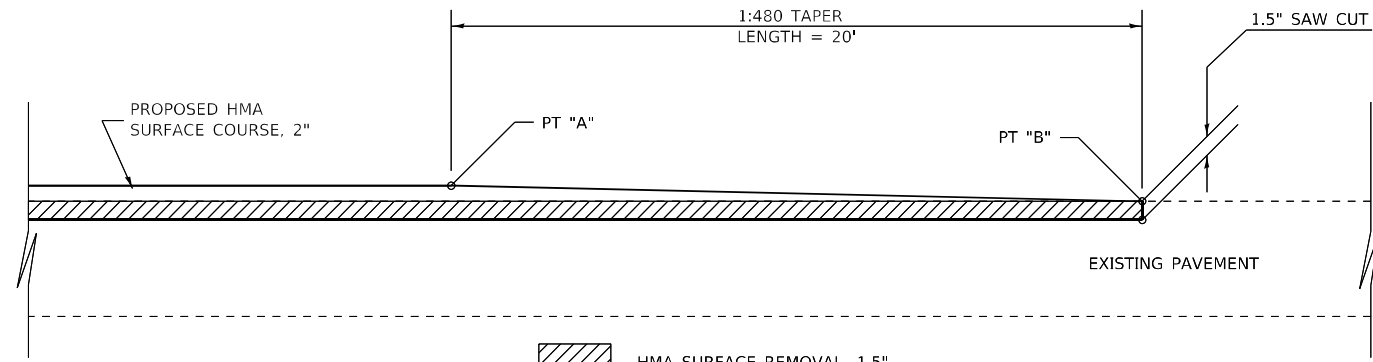
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USER NAME = Brad,Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>CULVERT &amp; AGGREGATE DITCH DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

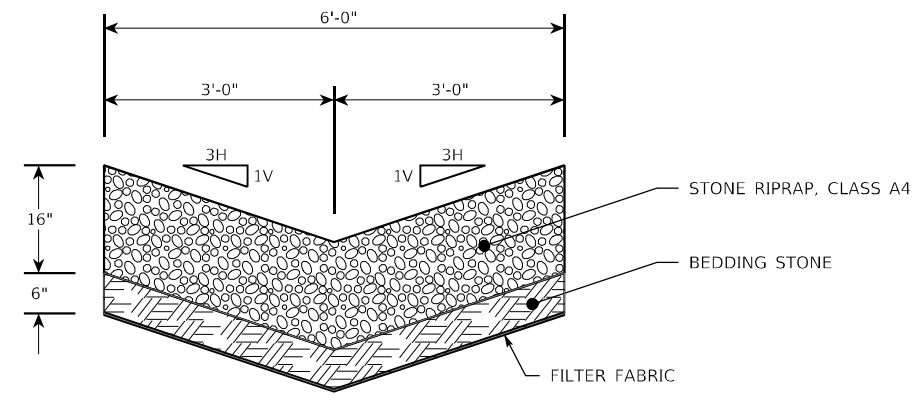
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550	9RS-3, 10RS-2	BROWN	54	39
			CONTRACT NO. 72656	
		ILLINOIS	FED. AID PROJECT	



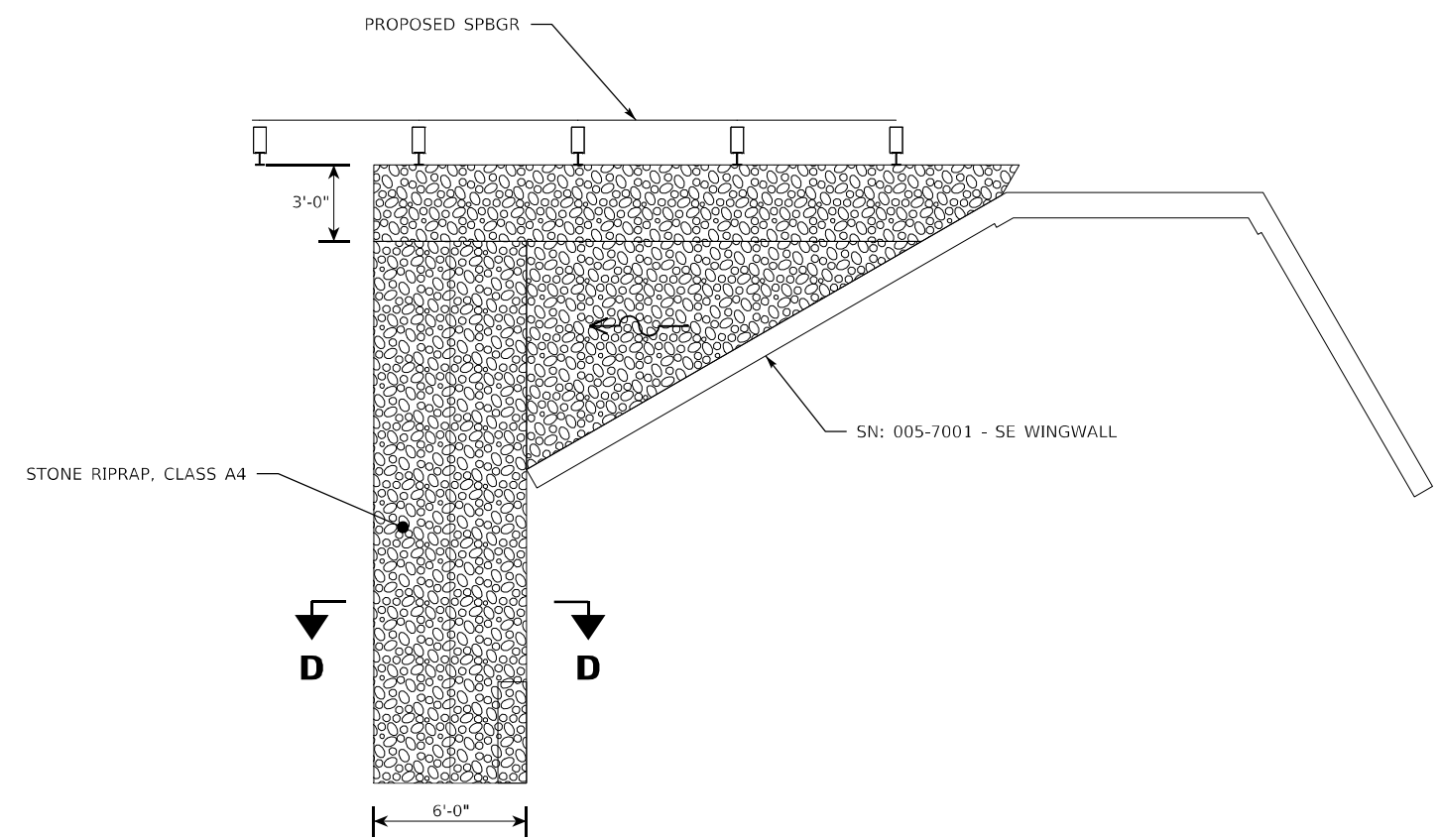
 HMA SURFACE REMOVAL, 1.5"

PT "A"  
STA 52+03.31  
STA 439+11.41

PT "B"  
STA 51+83.31  
STA 439+31.41



**SECTION D-D**  
SN: 005-7001 SE WINGWALL



**ADDITIONAL RIPRAP PLAN VIEW**  
SN: 005-7001 SE WINGWALL

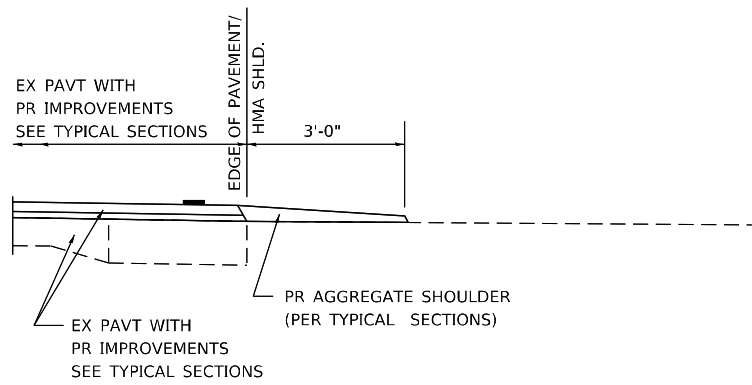
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 USER: brad.blakley  
 PLOT DATE: 3/31/2023

USER NAME = Brad.Blakley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/31/2023	DATE -	REVISED -

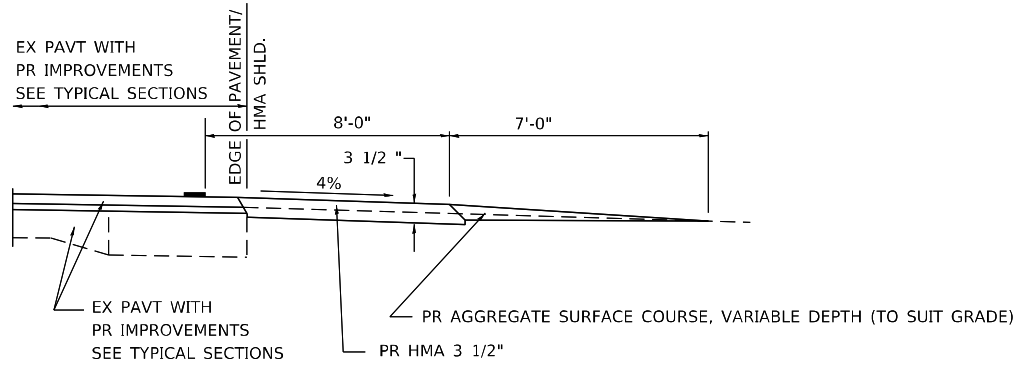
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>JOINT &amp; TRANSITION DETAILS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

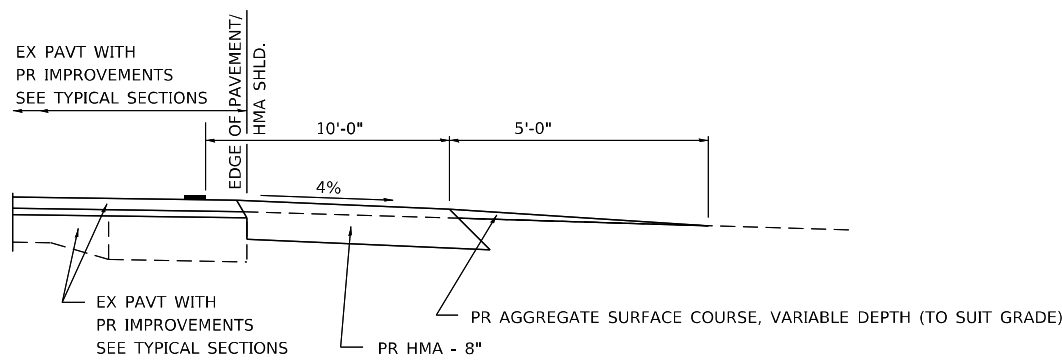
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	40
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				



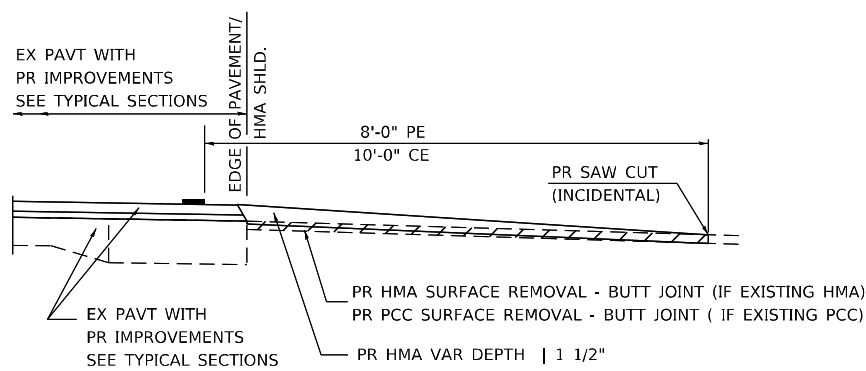
**SECTION A-A FOR EX EARTH/ AGGREGATE FE**



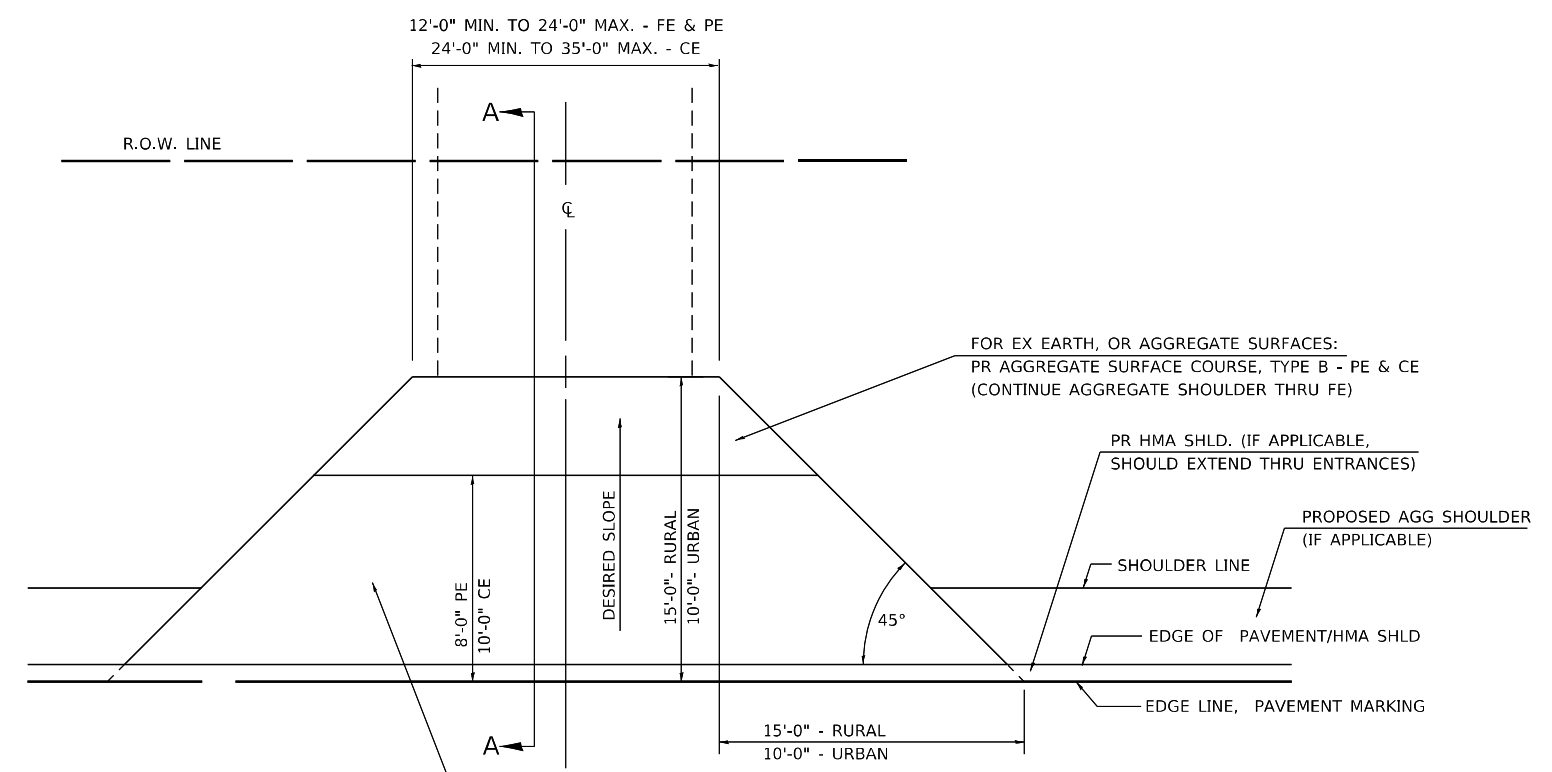
**SECTION A-A FOR EX EARTH/AGGREGATE PE**



**SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD**



**SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD**



FOR EX EARTH OR AGGREGATE SURFACES:  
 PR HMA SURFACE REMOVAL (IF APPLICABLE)  
 PR AGGREGATE SHOULDER THRU - FE  
 PR HMA CONCRETE 3 1/2" - PE  
 PR HMA CONCRETE 8" - CE

FOR EX HMA CONCRETE SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:  
 PR PCC SURFACE REMOVAL-BUTT JOINT

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

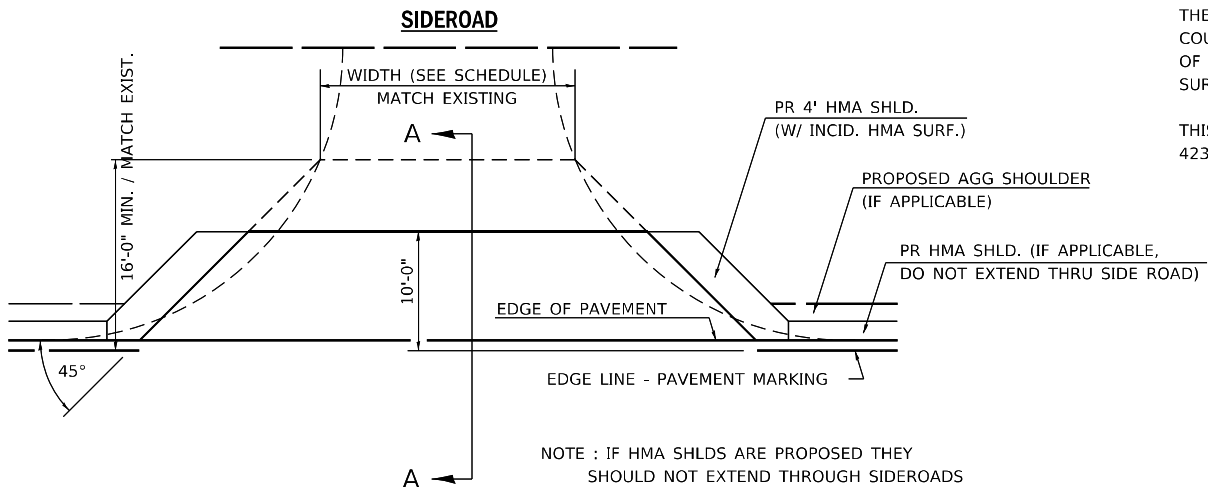
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

MODEL: D:\draft\... FILE NAME: ... PROJECTS\... 55101C\... 0672656-shd-DETAILS.dgn

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	DRAWN - CADD	REVISED - 4/01/04 JCN
PLOT SCALE = 40.0000' / in.	CHECKED - JCN	REVISED -
PLOT DATE = 3/31/2023	DATE - FEBRUARY 23, 1999	REVISED -

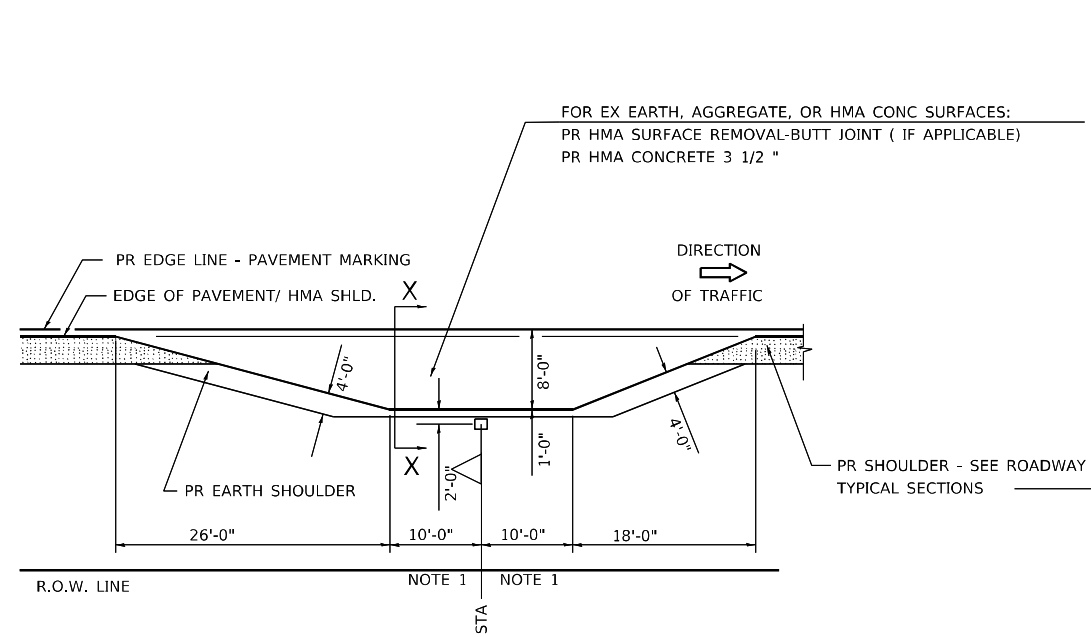
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

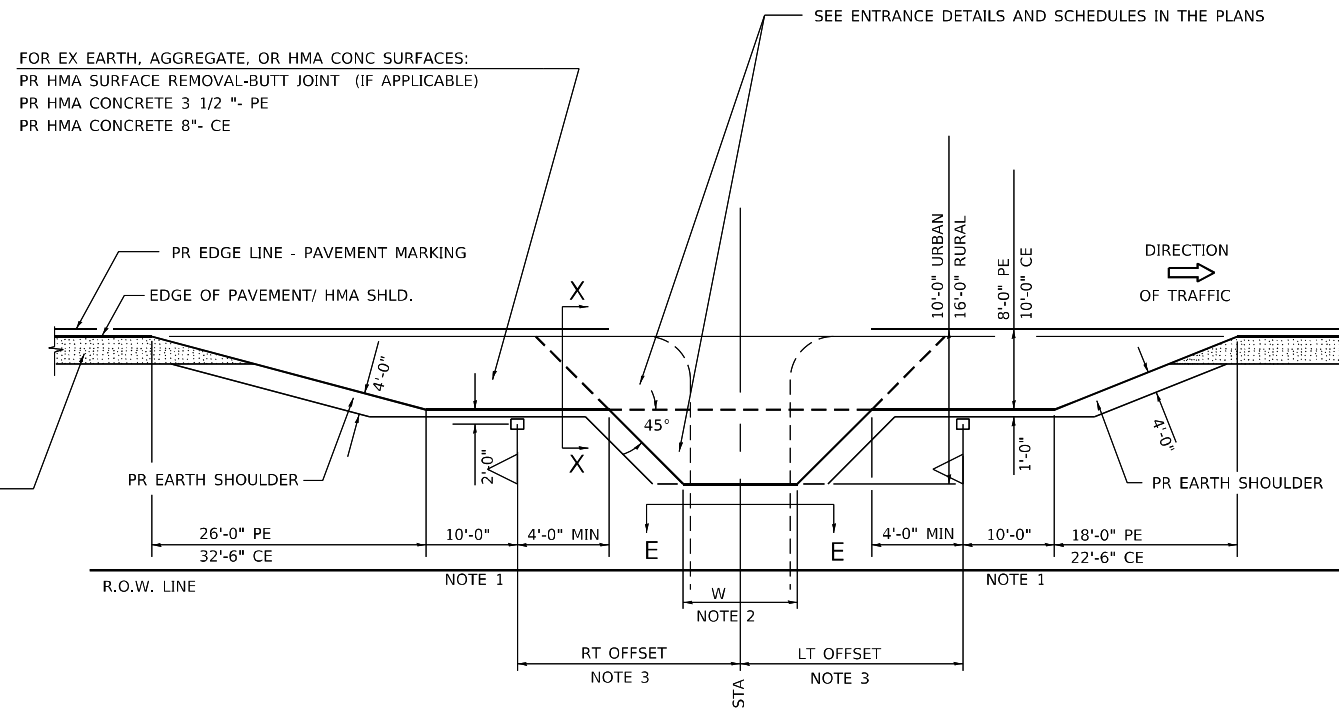
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	41
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

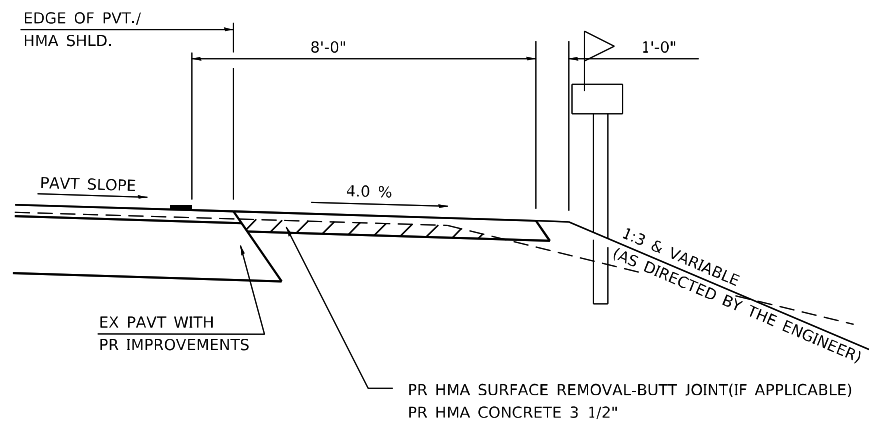
# DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

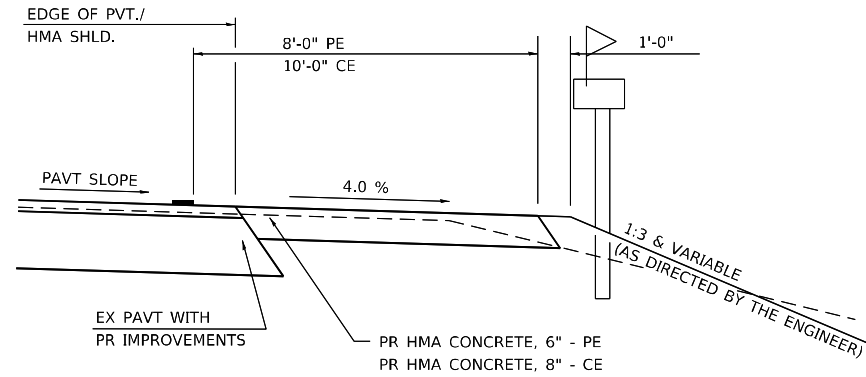


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT  
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH  
 EX EARTH, AGGREGATE, OR HMA PE & FE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )



SECTION X-X THRU MAILBOX TURNOUT  
 COMBINED WITH EX HMA CONC & PC CONC PE & CE

( DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.  
 IF EXISTING, TREAT SAME AS ENTRANCE. )

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN INCHES  
 UNLESS OTHERWISE SHOWN.

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USER NAME = Brad.Blakley	DESIGNED -	REVISED - 2/19/03 JCN
DRAWN - CADD	CHECKED - JCN	REVISED - 4/01/04 JCN
PLOT SCALE = 40.0000' / in.	DATE - FEBRUARY 23, 1999	REVISED -
PLOT DATE = 3/31/2023		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX  
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	42
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

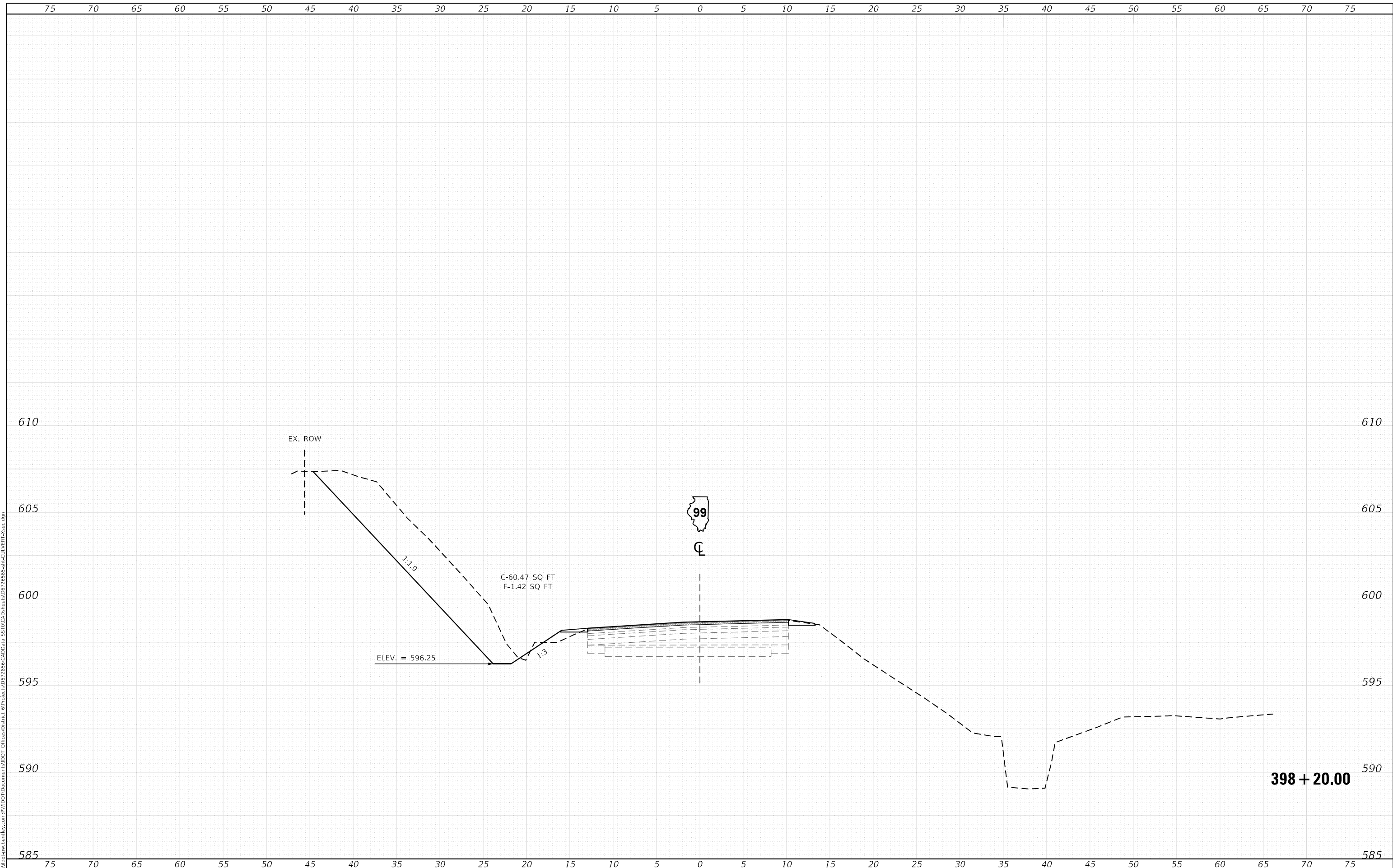




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AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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USER NAME = Braed,Blakley	DESIGNED -	REVISED -
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PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

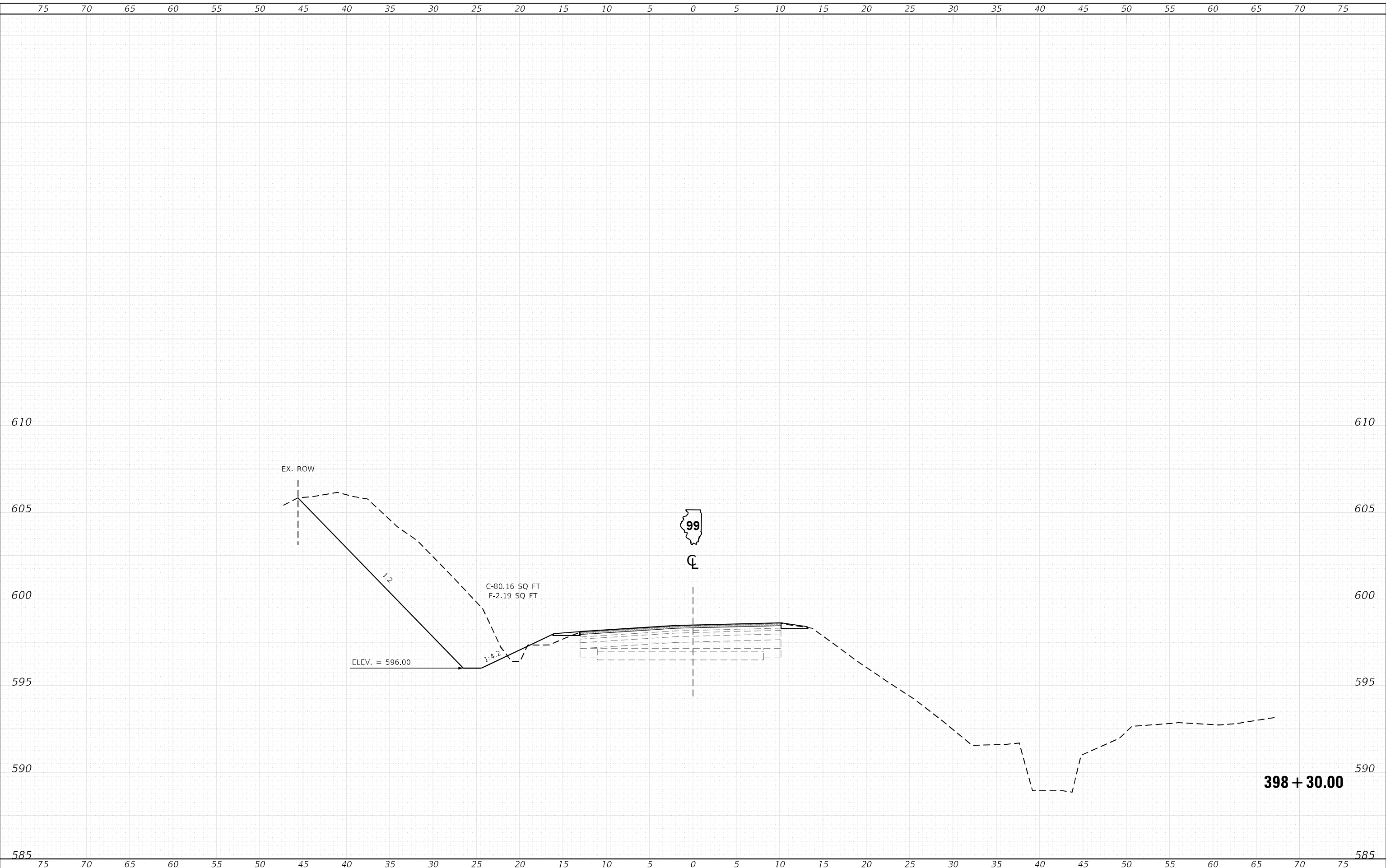
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			CONTRACT NO. 72656	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
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NOTE BOOK	PLOTTED	
AREA'S	TEMPLATE	
CHECKED	AREAS	

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USER NAME = Brae,Blakley	DESIGNED -	REvised -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

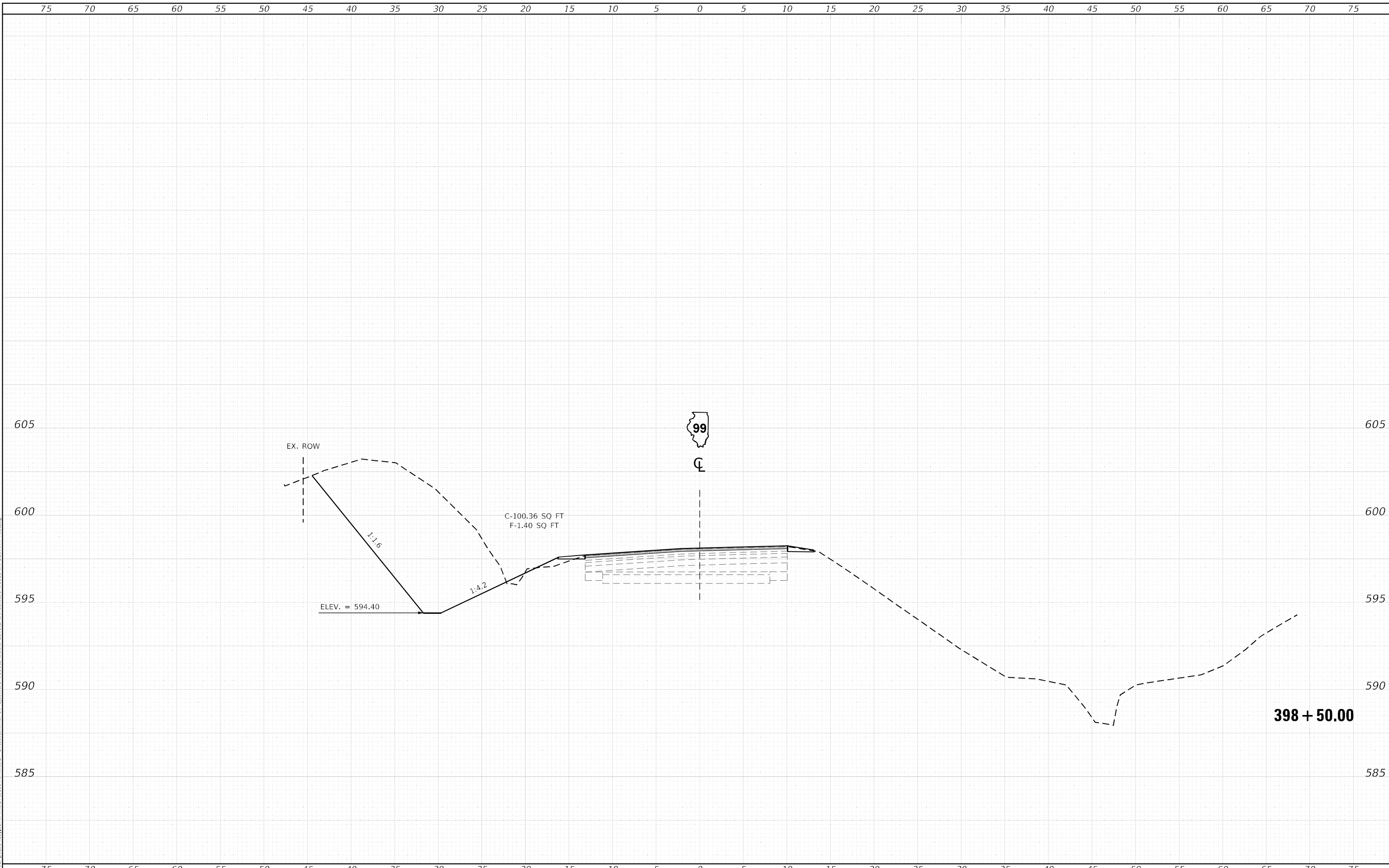
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SCALE:	SHEET	OF	SHEETS
	STA. 398+30.00	TO	STA. 398+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	45
				CONTRACT NO. 72656
				ILLINOIS FED. AID PROJECT

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
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PLOT DATE = 3/31/2023	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 398+50.00 TO STA. 398+90.00

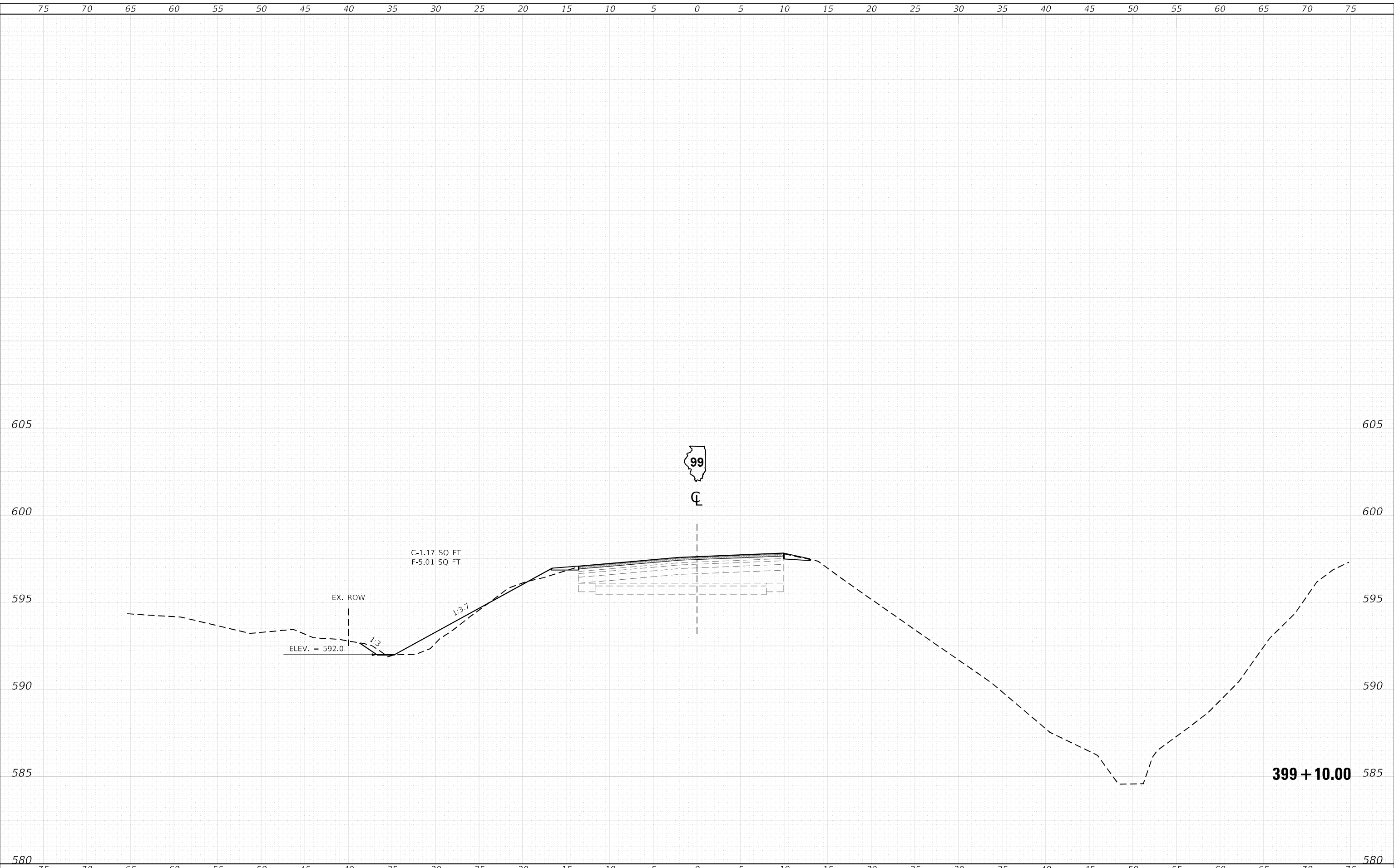
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	46
			CONTRACT NO. 72656	
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED	BY	DATE

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>			
SCALE:	SHEET	OF SHEETS	STA. 399+30.00 TO STA. 399+30.00

F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 48
				CONTRACT NO. 72656
ILLINOIS FED. AID PROJECT				

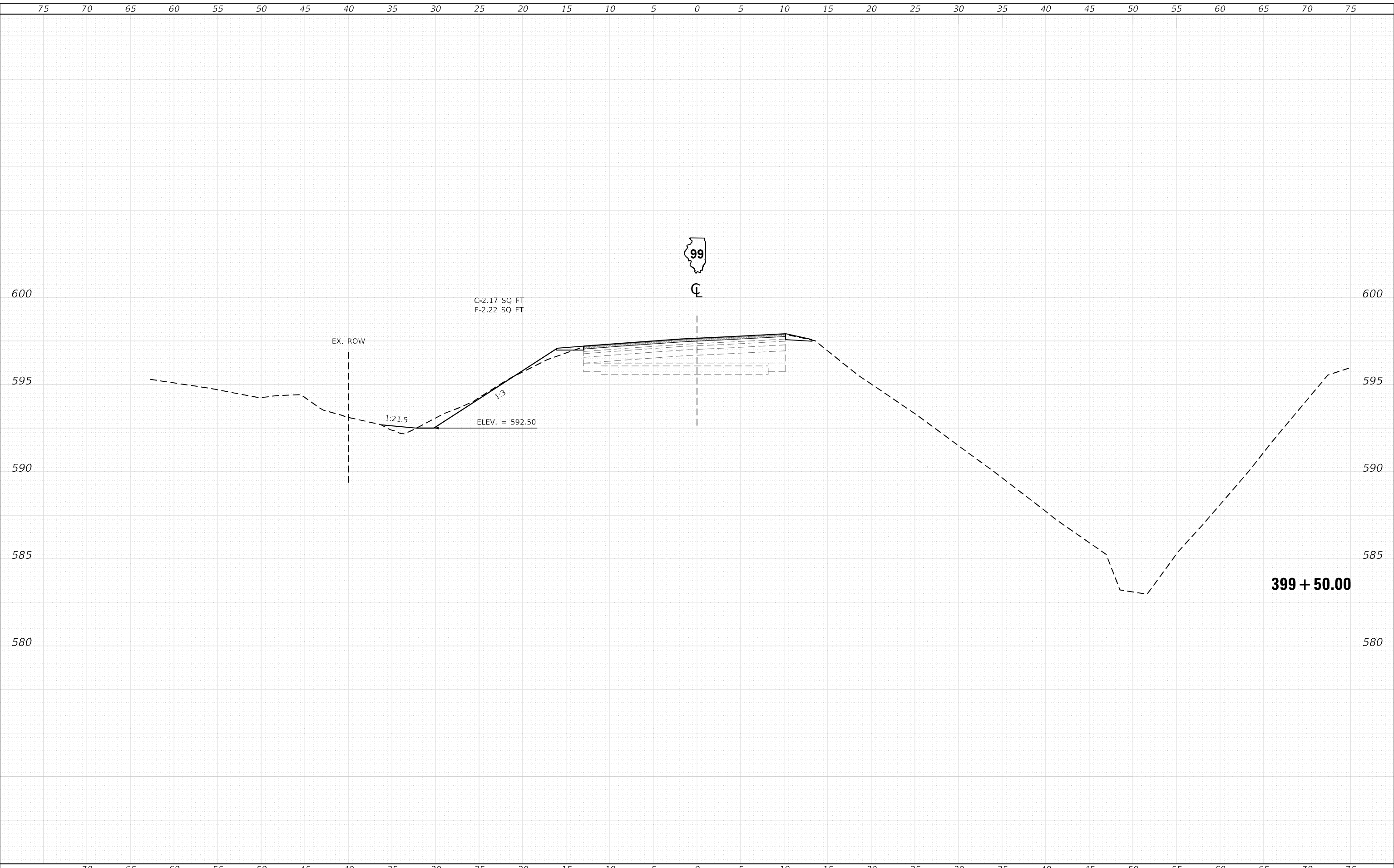




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NOTE BOOK	PLOTTED	BY
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USER NAME = Brae, Blakley	DESIGNED -	REVISIED -
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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISIED -
PLOT DATE = 3/31/2023	DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 399+00.00 TO STA. 399+00.00

F.A.P. RTE. 550	SECTION 9RS-3, 10RS-2	COUNTY BROWN	TOTAL SHEETS 54	SHEET NO. 50
			CONTRACT NO. 72656	
ILLINOIS FED. AID PROJECT				



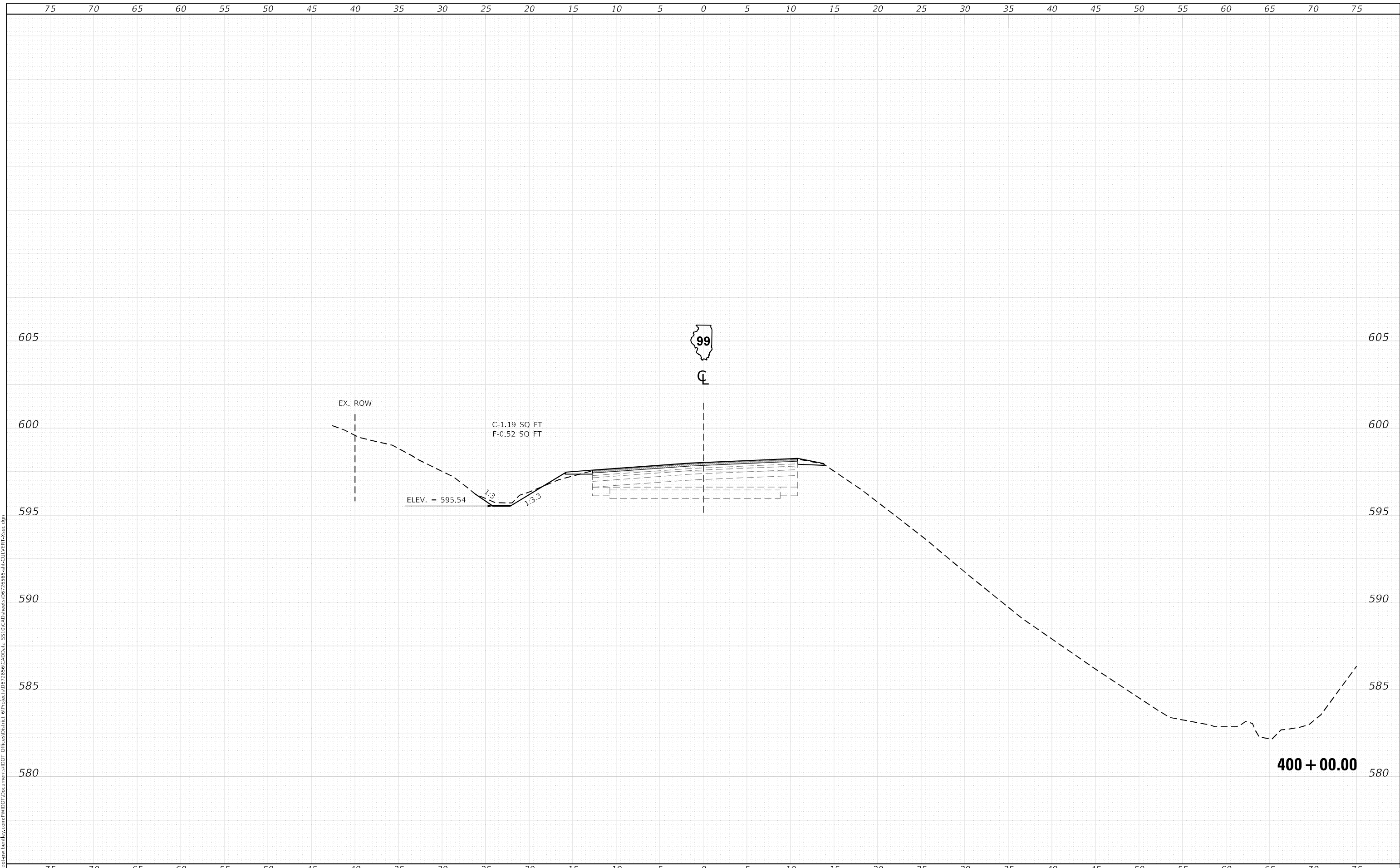




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DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 400+00.00 TO STA. 400+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	9RS-3, 10RS-2	BROWN	54	53
CONTRACT NO. 72656				
ILLINOIS FED. AID PROJECT				

**400 + 00.00**

