

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	(32-1HB-1)BR	GRUNDY	52*	1
		ILLINOIS	CONTRACT NO. 66J62	

\* 52 + 1 = 53 TOTAL SHEETS

D-93-008-22

**INDEX OF SHEETS**

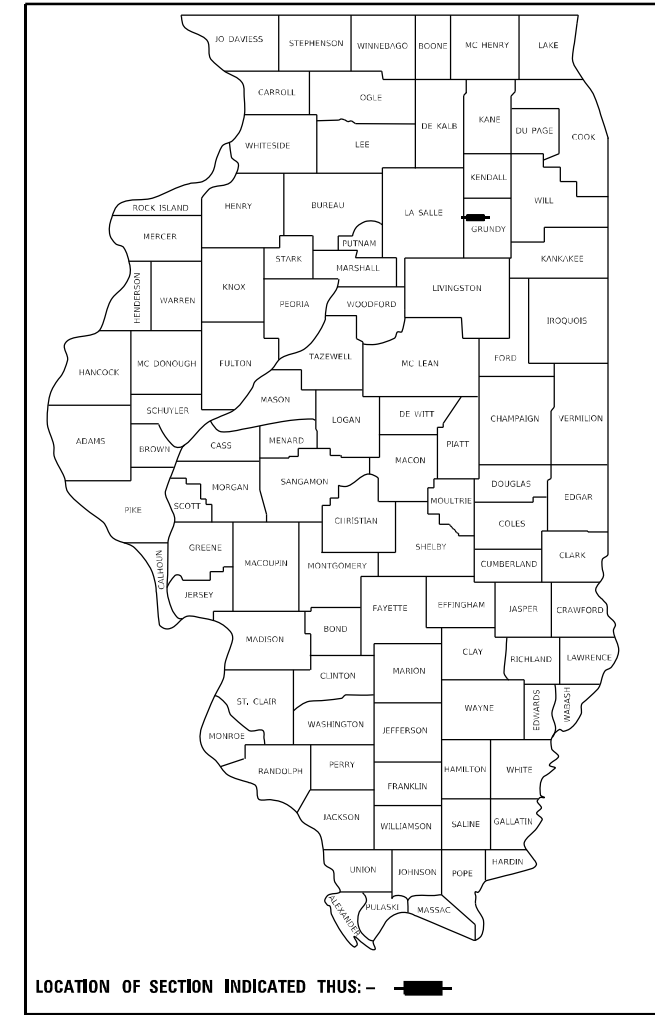
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**HIGHWAY STANDARDS**

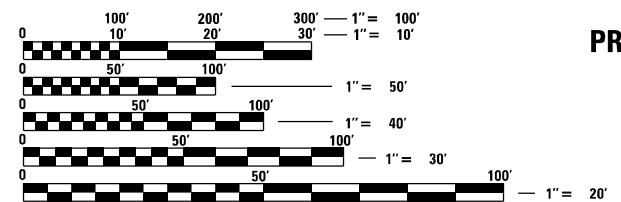
SEE SHEET 2 FOR LIST OF STANDARDS

**PROPOSED  
HIGHWAY PLANS**

**FAI 80 (I-80)  
SECTION (32-1HB-1)BR  
PROJECT N/A  
BRIDGE REMOVAL (SN 032-0052) AND  
LOCAL ROUTE IMPROVEMENTS  
GRUNDY COUNTY**

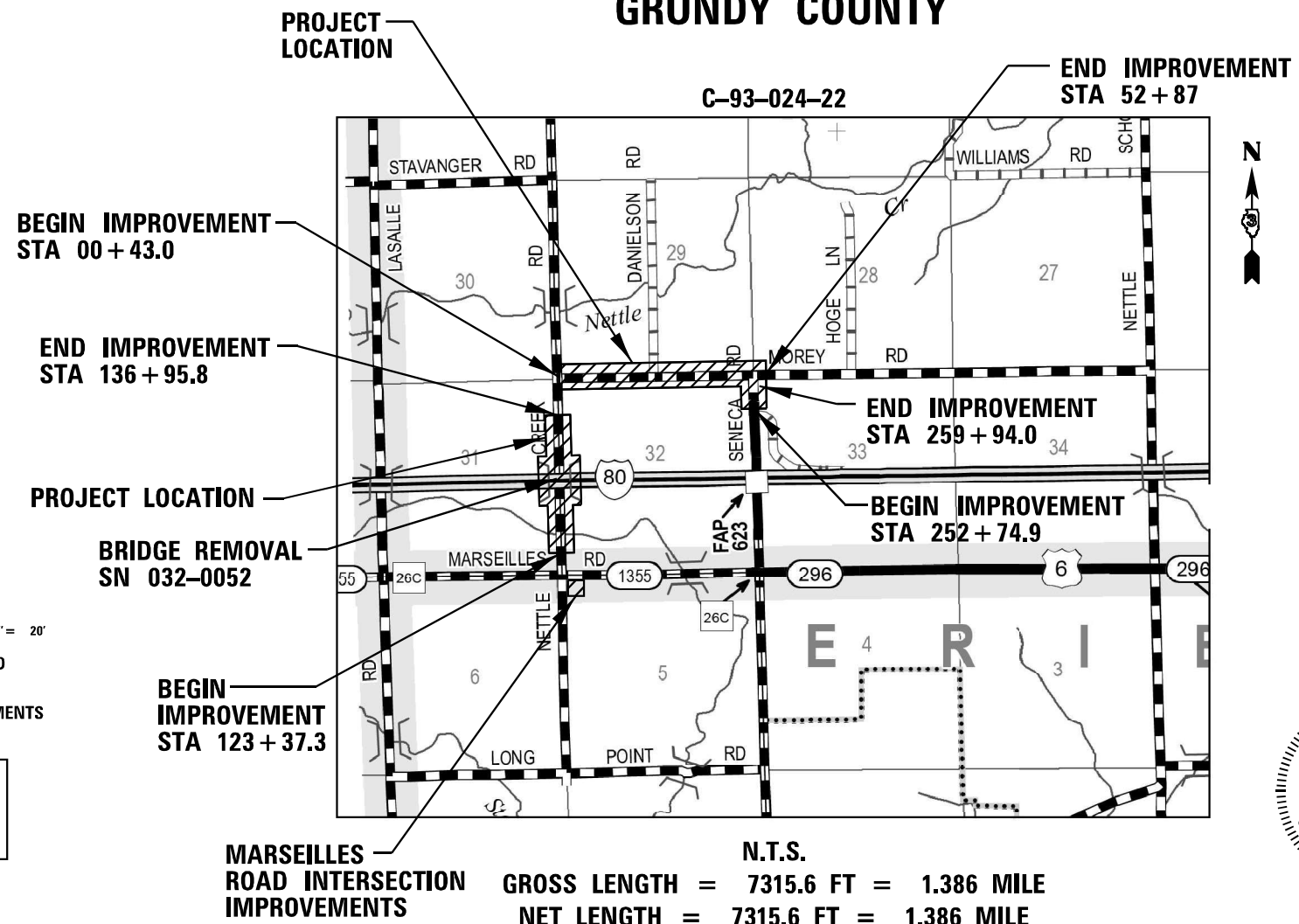


**FUNCTIONAL CLASSIFICATION**  
NETTLE SCHOOL ROAD - LOCAL ROAD  
I-80 - INTERSTATE  
2019 ADT=175 NETTLE CREEK ROAD  
33,700 I-80, PV = 64.69%, SU = 3.26%, MU = 32.05%  
NETTLE CREEK ROAD = NOT A TRUCK ROUTE



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.

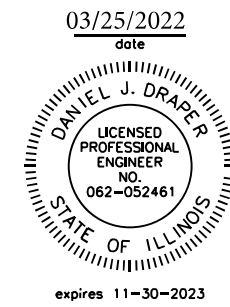
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



**MARSEILLES ROAD INTERSECTION IMPROVEMENTS**  
N.T.S.  
GROSS LENGTH = 7315.6 FT = 1.386 MILE  
NET LENGTH = 7315.6 FT = 1.386 MILE

**PROJECT ENGINEER: JACOB OYIER, P.E.**  
**UNIT CHIEF: STEPHENIE CARMIN**

**CONTRACT NO. 66J62**



*Daniel J. Draper*  
signature  
PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-001717

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 25, 2022

*Jacob Oyier*  
REGIONAL ENGINEER

May 13, 2022 *Steph Carmin*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022 *Steph Carmin*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

## HIGHWAY STANDARDS

BLR 21-9	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
642001-03	SHOULDER RUMBLE STRIPS, 16 INCH
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT-OF-WAY MARKERS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS

## GENERAL NOTES

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES ( 100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN

THE WORK REQUIRED TO CONNECT ANY PIPE TO AN EXISTING PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE CULVERT ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:  
COMED  
NICOR  
AT&T

## COMMITMENTS

AS REQUESTED BY NETTLE CREEK TOWNSHIP AND GRUNDY COUNTY, A 3.25-INCH ASPHALT MILL AND 3.25-INCH ASPHALT SURFACE COURSE PLACEMENT SHALL BE PERFORMED FOR W MOREY ROAD BETWEEN N NETTLE CREEK ROAD AND N SENECA RD AND FOR N. SENECA ROAD BETWEEN W MOREY ROAD AND THE FAI-80 INTERCHANGE.

HMA MIXTURE REQUIREMENT TABLE					
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	I-80	I-80	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER COURSE	HMA SURFACE COURSE	HMA SHOULDERS BOTTOM LIFT	HMA SHOULDERS TOP LIFT	INCIDENTAL HMA
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N70	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5	IL-19.0	IL-9.5	IL-9.5
FRICITION AGGREGATE:		MIXTURE C		MIXTURE D	
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	CORES	CORES	SATISFACTION OF THE ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED)	NO	NO	NO	NO	NO

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

DATE: \_\_\_\_\_

START & END DATES  
OF CONSTRUCTION:

\_\_\_\_\_

INSPECTORS:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

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DATE -

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	2
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE ROADWAY	100% STATE ROADWAY	100% STATE BRIDGE
				0004	0005	0044
				RURAL	RURAL	S.N. 032-0052
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3245	624	2621	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	7228	841	6387	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	60		60	
40600990	TEMPORARY RAMP	SQ YD	30		30	
40602978	HOT-MIX ASPHALT BINDER COURSE, 1L- 9.5, N50	TON	1704	466	1238	
40604050	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N50	TON	1034	233	801	
44000100	PAVEMENT REMOVAL	SQ YD	3415	3415		
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	11041		11041	
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	733		733	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	482	482		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	225		225	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	164		164	
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1			1
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	5		5	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4		

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

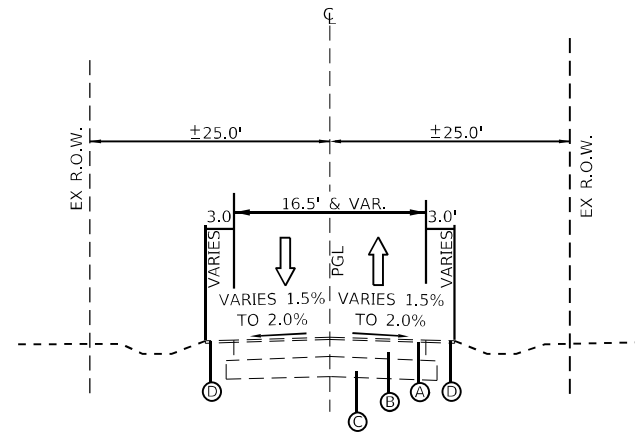
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			CONTRACT NO. 66J62	
			ILLINOIS FED. AID PROJECT	

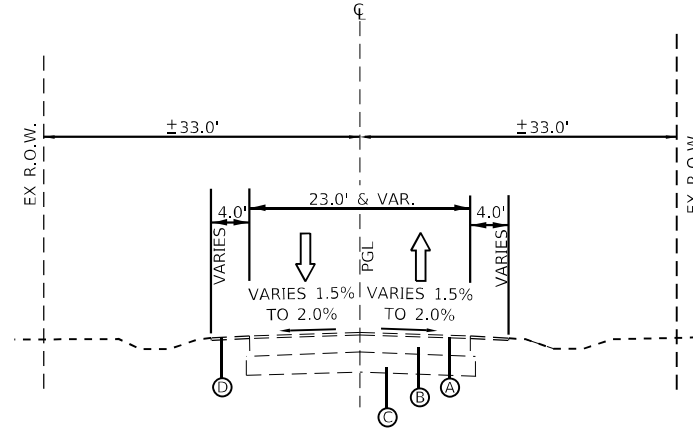




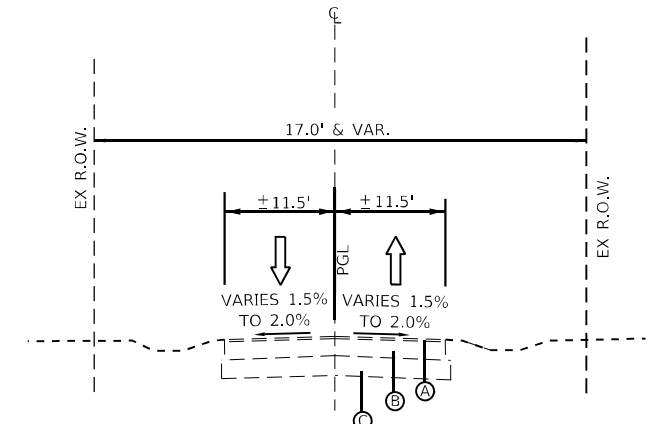




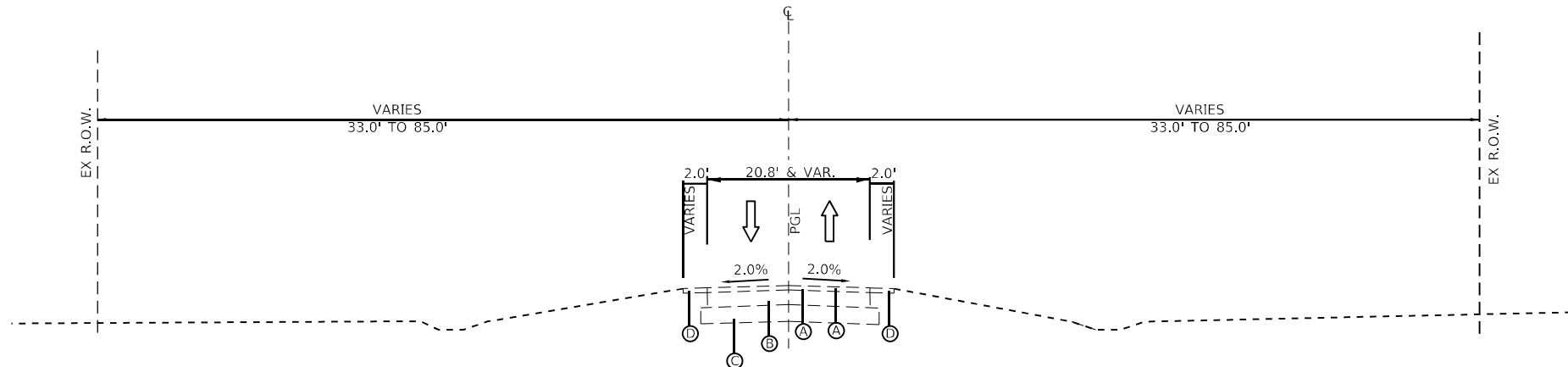
**W MOREY ROAD**  
**EXISTING TYPICAL SECTION**  
 STA. 0+43.0 TO STA. 52+87.0



**W MARILLES ROAD**  
**EXISTING TYPICAL SECTION**  
 AT NETTLE CREEK ROAD



**EXISTING TYPICAL SECTION**  
**N SENECA ROAD**  
 STA. 252+74.9 TO STA. 259+94.0



**N NETTLE CREEK ROAD**  
**EXISTING TYPICAL SECTION**  
 STA. 123+37.3 TO STA. 129+44  
 BRIDGE OMISSION STA. 129+44 TO 131+37  
 STA. 131+37 TO STA. 136+95.8

**EXISTING LEGEND**

- (A) EXISTING BITUMINOUS SURFACE COURSE
- (B) EXISTING BITUMINOUS BASE COURSE
- (C) EXISTING SUBGRADE
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING BITUMINOUS SHOULDER
- (F) EXISTING PCC SHOULDER
- (G) EXISTING PCC PAVEMENT
- (H) EXISTING GUARDRAIL

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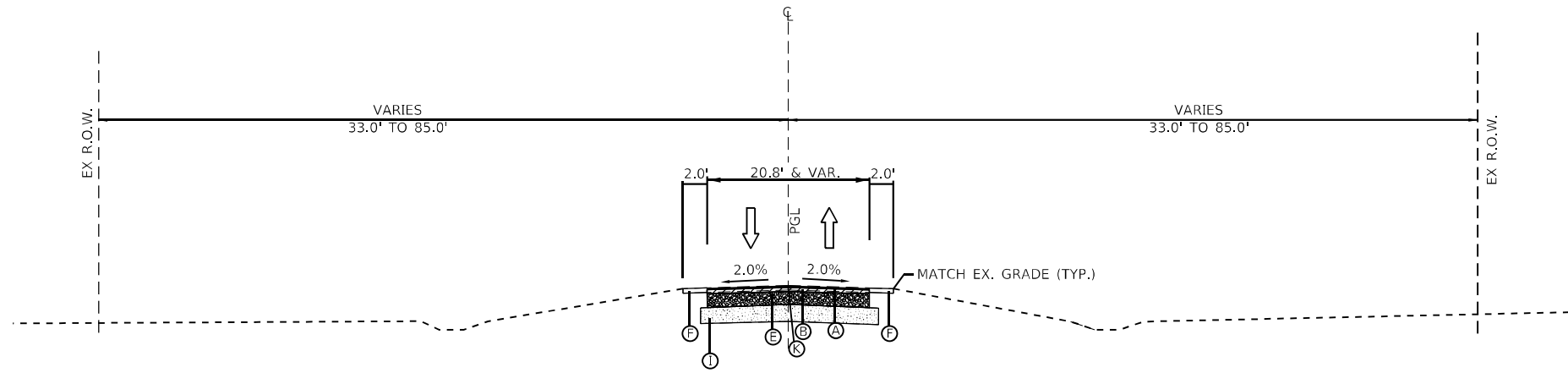
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	8
CONTRACT NO. 66J62				
ILLINOIS		FED. AID PROJECT		

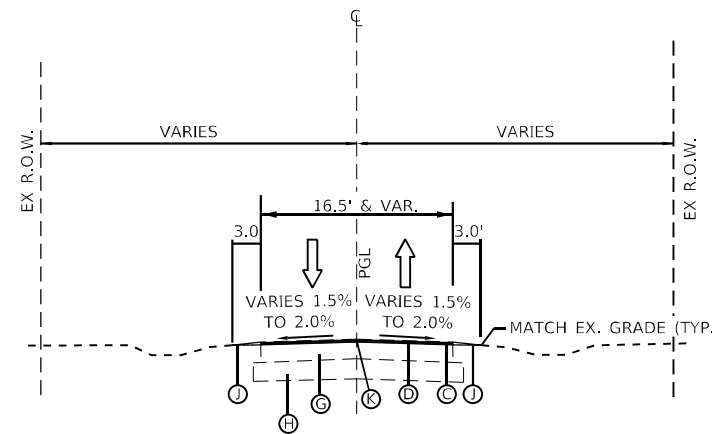




**PROPOSED TYPICAL SECTION**

**N NETTLE CREEK ROAD**

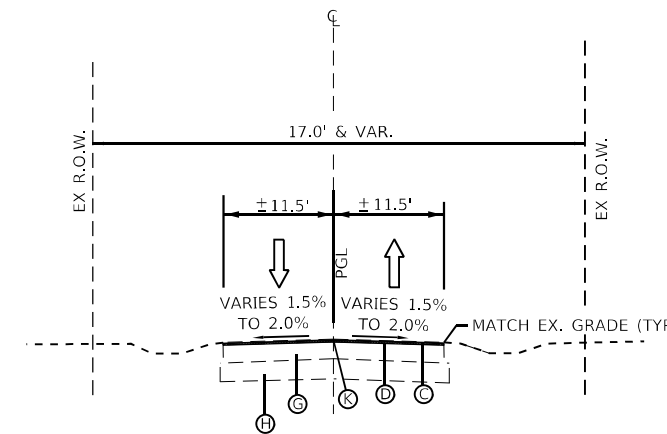
STA. 123+37.3 TO STA. 127+91.5  
 STA. 133+08.5 TO STA. 136+95.8



**PROPOSED TYPICAL SECTION**

**W MOREY ROAD**

STA. 0+43.0 TO STA. 52+87.0



**PROPOSED TYPICAL SECTION**

**N SENECA ROAD**

STA. 252+74.9 TO STA. 259+94.0

**PROPOSED LEGEND**

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1.5" (RECONSTRUCTION: N NETTLE CREEK ROAD)
- (B) HOT-MIX ASPHALT BINDER COURSE, 3" (RECONSTRUCTION: N NETTLE CREEK ROAD)
- (C) HOT-MIX ASPHALT SURFACE COURSE, 1.25" (RESURFACING: 1" MILL & 3.25" OVERLAY ON W MOREY ROAD & N SENECA)
- (D) HOT-MIX ASPHALT BINDER COURSE, 2" (RESURFACING: 1" MILL & 3.25" OVERLAY ON W MOREY ROAD & N SENECA)
- (E) PROPOSED AGGREGATE SUBBASE, 8"
- (F) PROPOSED AGGREGATE SHOULDER, 6"
- (I) AGGREGATE SUBGRADE, IMPROVEMENT 12"
- (J) AGGREGATE WEDGE FOR SHOULDER, TYPE B
- (K) LONGITUDINAL JOINT SEALANT (ON C JOINT ON TOP OF BINDER COURSE)

**EXISTING LEGEND**

- (G) EXISTING BITUMINOUS BASE COURSE
- (H) EXISTING SUBGRADE

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	9
			CONTRACT NO. 66J62	
			ILLINOIS FED. AID PROJECT	









BEGIN IMPROVEMENT  
STA 00+43.0

W MOREY ROAD

END IMPROVEMENT  
STA 52+87

END IMPROVEMENT  
STA 259+94.0

BEGIN IMPROVEMENT  
STA 252+74.9

N NETTIE CREEK ROAD

END IMPROVEMENT  
STA 136+95.8

BRIDGE REMOVAL  
SN 032-0052

I-80 WB  
I-80 EB

BEGIN IMPROVEMENT  
STA 123+37.3

LONG POINT CREEK

W MARSEILLES ROAD

MARSEILLES  
ROAD INTERSECTION  
IMPROVEMENTS



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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERALL PLAN

SCALE: 1" = 300' SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	13
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

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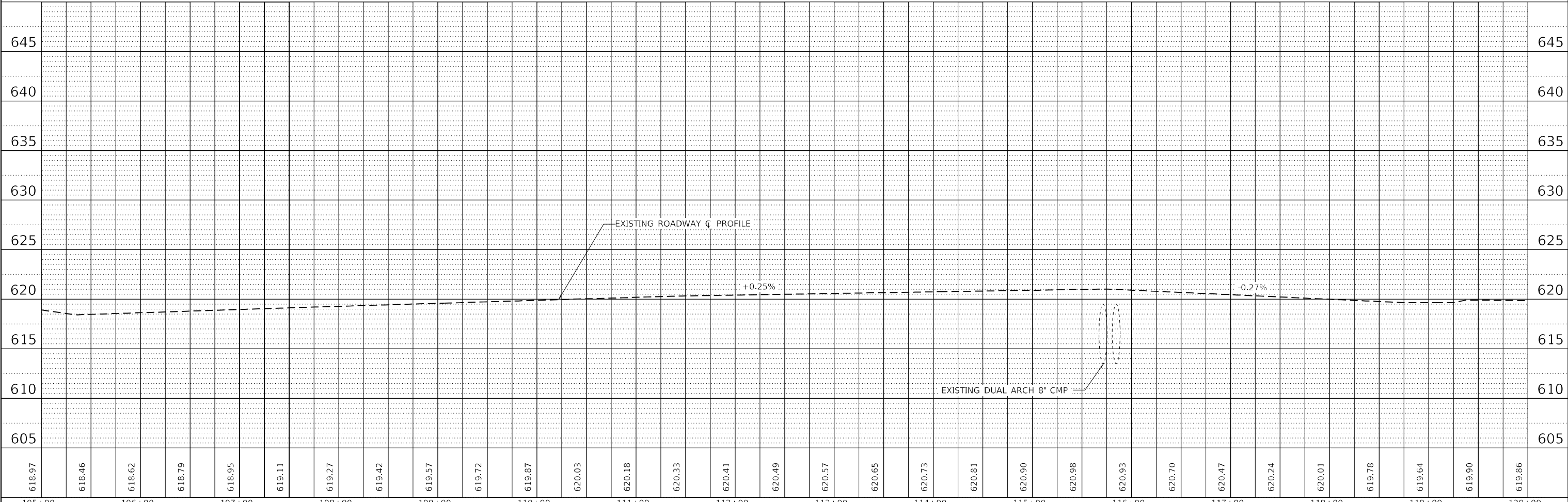
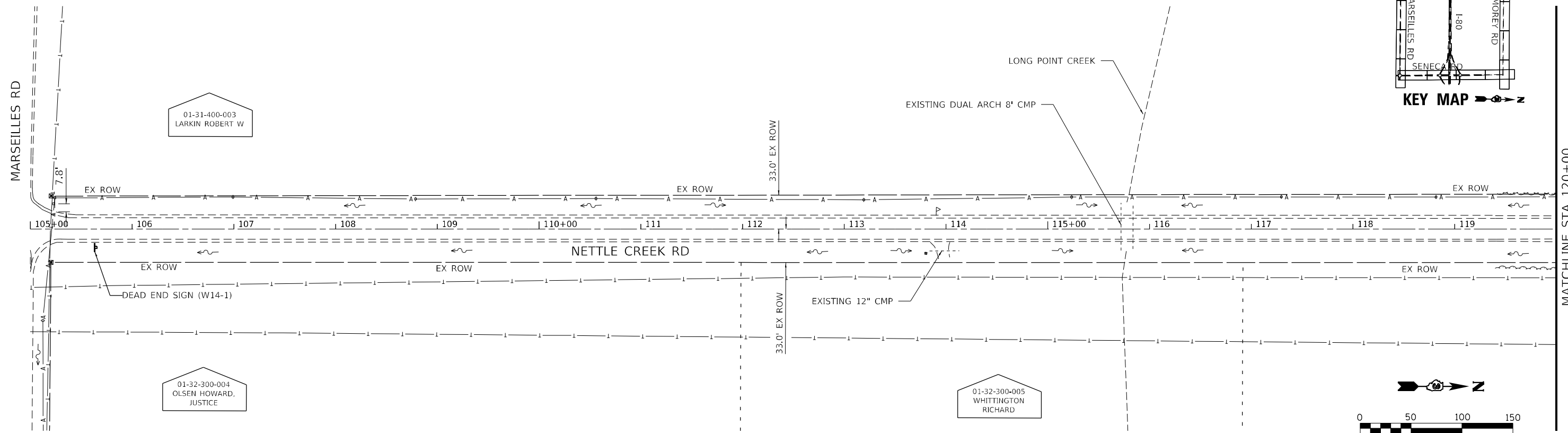
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01-31-400-003  
LARKIN ROBERT W

01-32-300-004  
OLSEN HOWARD,  
JUSTICE

01-32-300-005  
WHITTINGTON  
RICHARD



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	DRAWN - NV	REVISED -
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PLOT DATE = --	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

N NETTLE CREEK ROAD  
OVER I-80

SCALE: 1" = 50' SHEET 1 OF 10 SHEETS STA. 105+00 TO STA. 120+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	14
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				



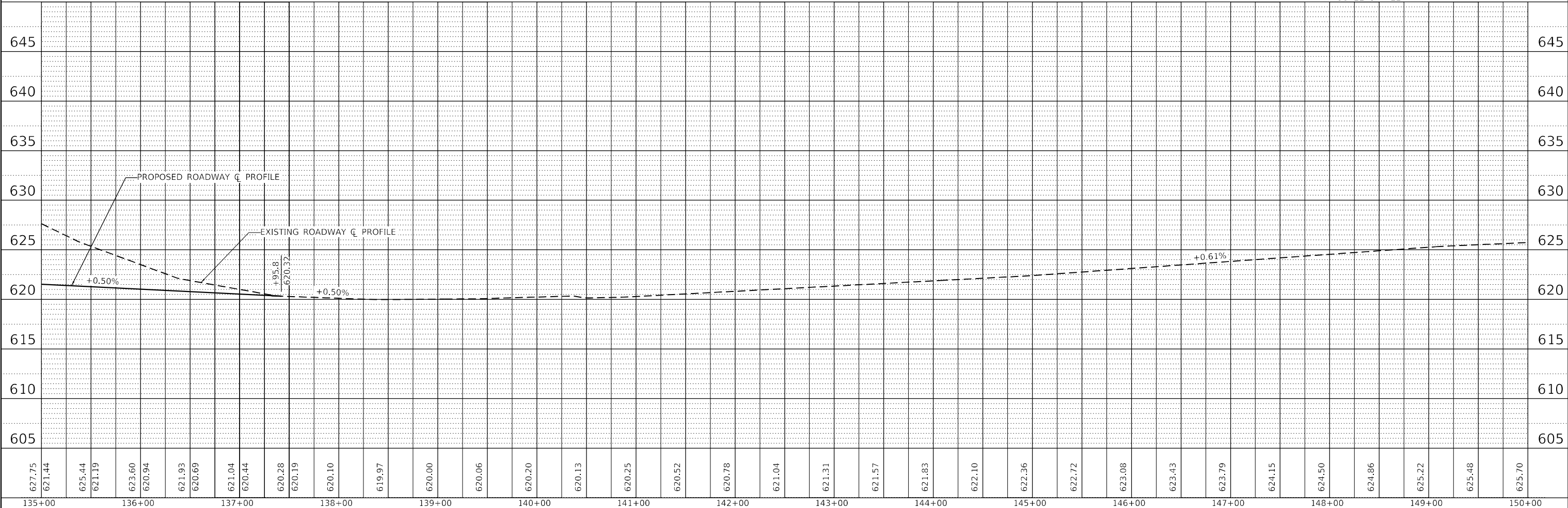
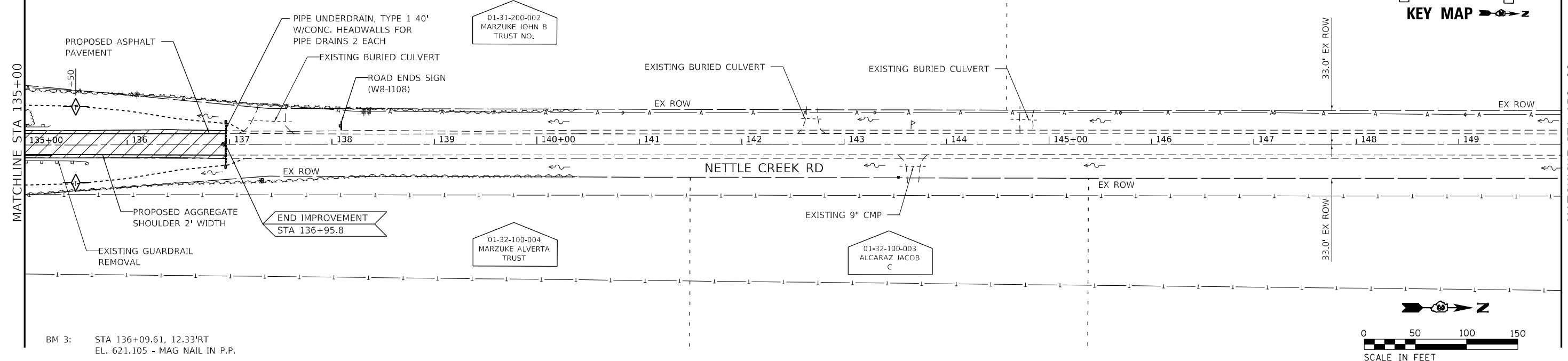
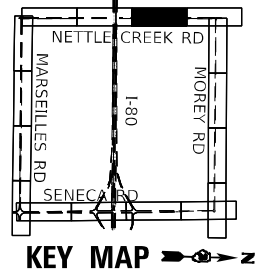
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**LEGEND**

- PAVEMENT REMOVAL
- INLET & PIPE PROTECTION
- TEMPORARY DITCH CHECK



627.75	621.44	625.44	621.19	623.60	620.94	621.93	620.69	621.04	620.44	620.28	620.19	620.10	619.97	620.00	620.06	620.20	620.13	620.25	620.52	620.78	621.04	621.31	621.57	621.83	622.10	622.36	622.72	623.08	623.43	623.79	624.15	624.50	624.86	625.22	625.48	625.70
135+00		136+00		137+00		138+00		139+00		140+00		141+00		142+00		143+00		144+00		145+00		146+00		147+00		148+00		149+00		150+00						

USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
OVER I-80**

SCALE: 1" = 50'    SHEET 3    OF 10    SHEETS    STA. 135+00    TO STA. 150+00

F.A.I. RTE. 80	SECTION (32-1HB)BR	COUNTY GRUNDY	TOTAL SHEETS 52	SHEET NO. 16
CONTRACT NO. 66J62			ILLINOIS FED. AID PROJECT	



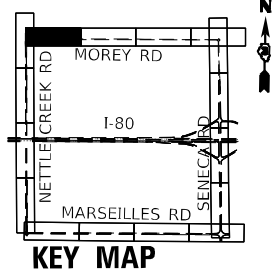




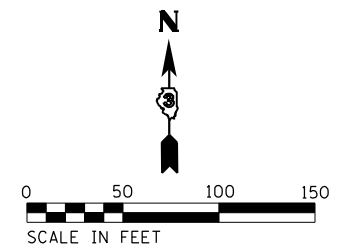
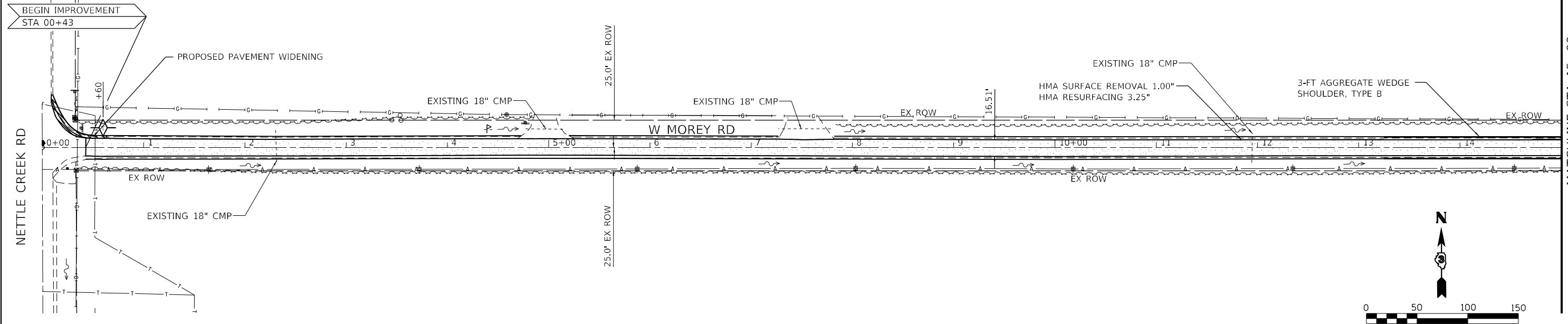
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◇ TEMPORARY DITCH CHECK

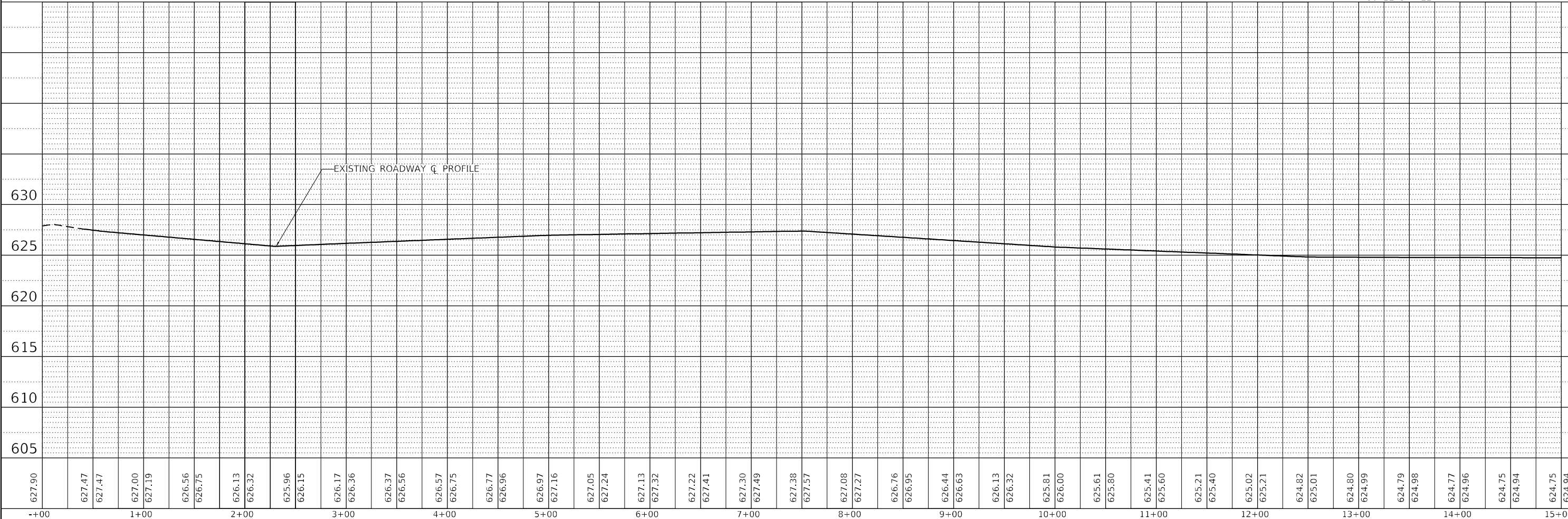
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HAAS THOMAS



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	ALIGNMENT CHECKED	
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	NOTE BOOK NO.	
	CADD FILE NAME	



PROFILE	SURVEYED	DATE
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PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**W MOREY ROAD**

SCALE: 1" = 50'    SHEET 5    OF 10    SHEETS    STA. 00+00    TO STA. 15+00

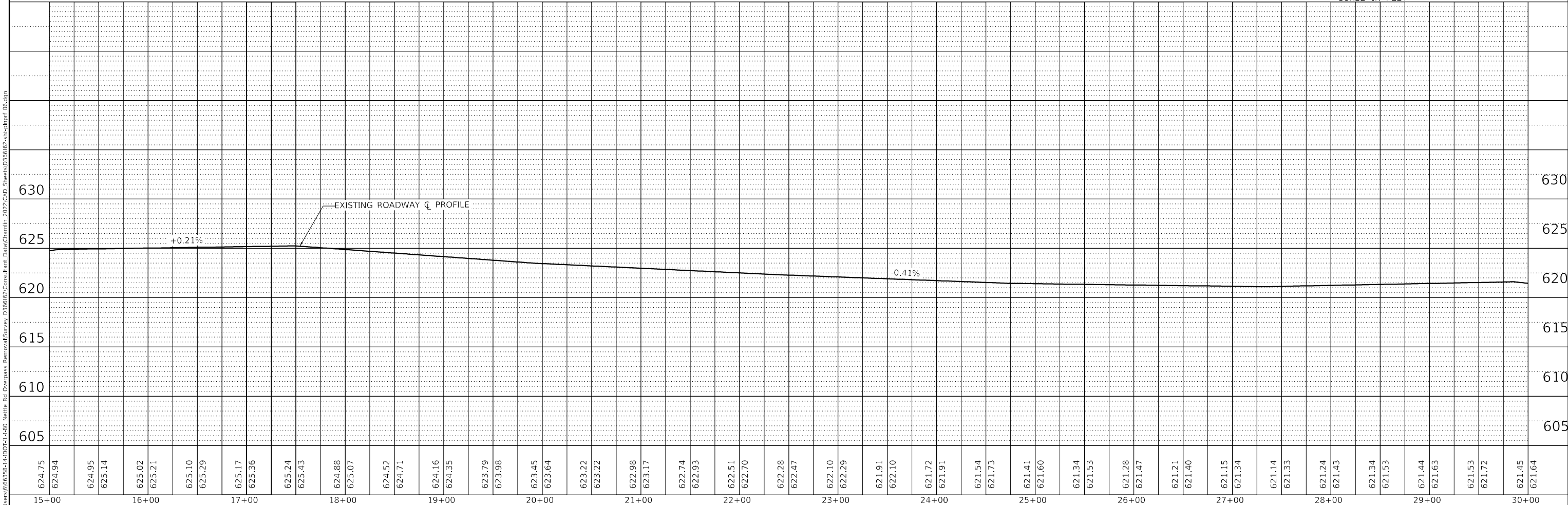
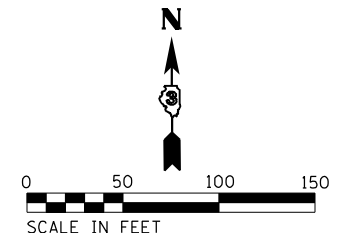
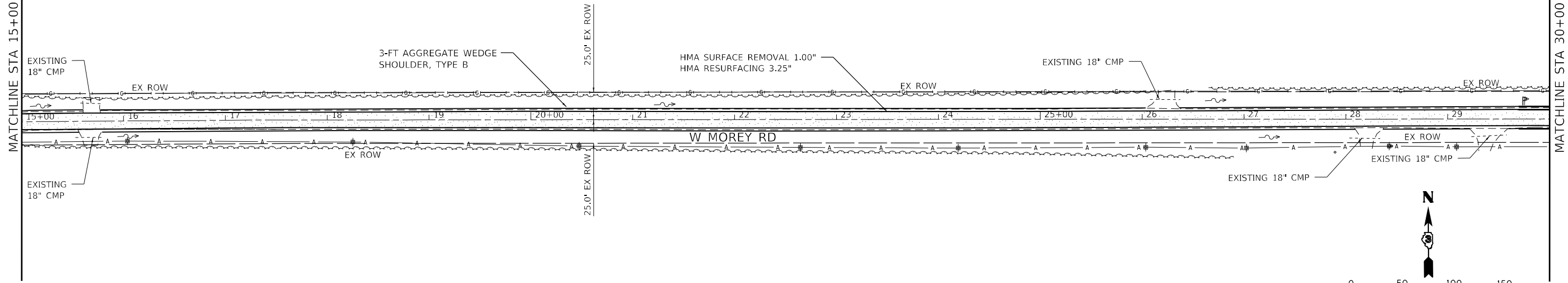
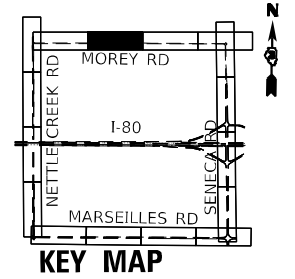
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80	(32-1HB)BR	GRUNDY	52	18
CONTRACT NO. 66J62				

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
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	ALIGNMENT CHECKED		
	GRADES CHECKED		
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	NOTE BOOK NO.		
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PROFILE	SURVEYED	BY	DATE
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	NOTE BOOK NO.		
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624.75	624.94	624.95	625.14	625.02	625.21	625.10	625.29	625.17	625.36	625.24	625.43	624.88	625.07	624.52	624.71	624.16	624.35	623.79	623.98	623.45	623.64	623.22	623.22	622.98	623.17	622.74	622.93	622.51	622.70	622.28	622.47	622.10	621.91	622.10	621.72	621.91	621.54	621.73	621.41	621.60	621.34	621.53	621.28	621.47	621.21	621.40	621.15	621.34	621.14	621.33	621.24	621.43	621.34	621.53	621.44	621.63	621.53	621.72	621.45	621.64
15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00	23+00	24+00	25+00	26+00	27+00	28+00	29+00	30+00																																													

USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**W MOREY ROAD**

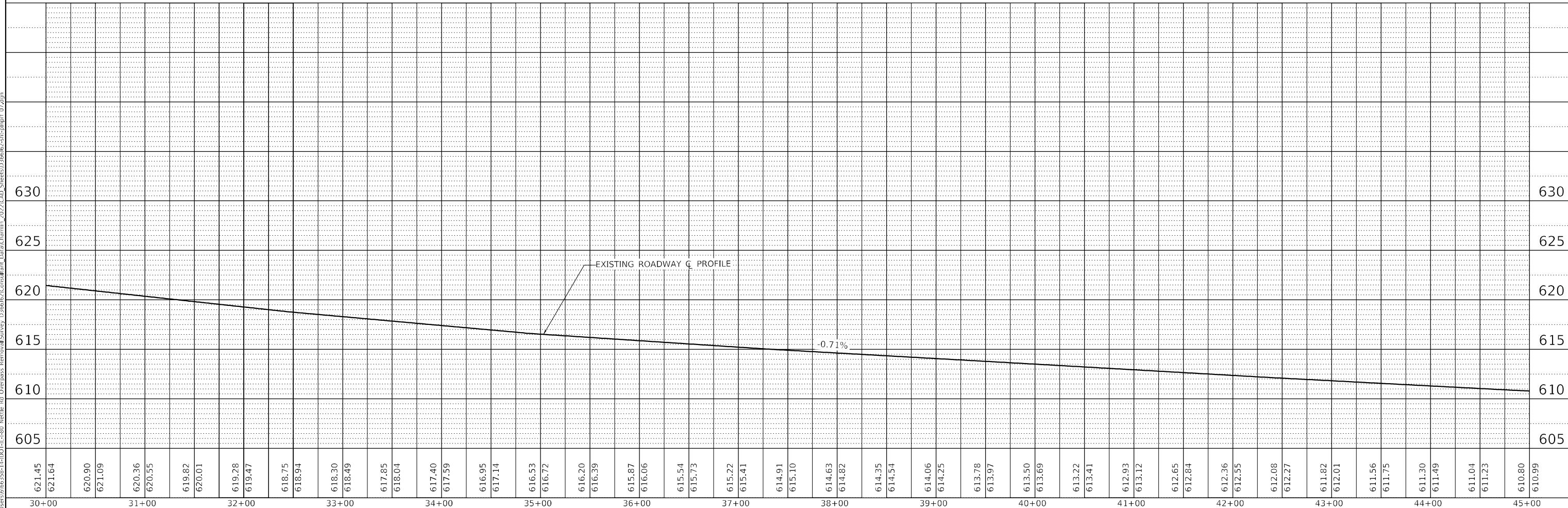
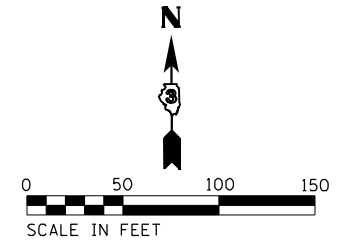
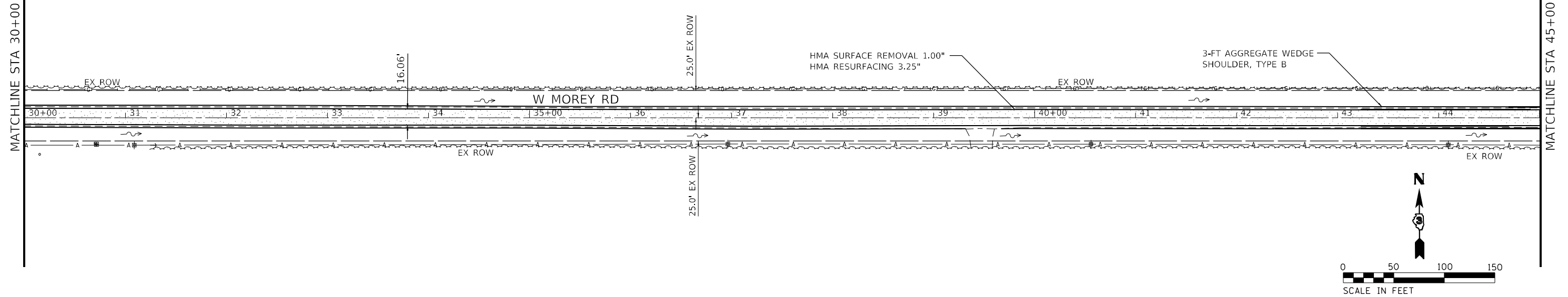
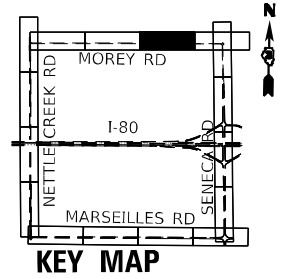
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	19
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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621.45	621.64	620.90	621.09	620.36	620.55	619.82	620.01	619.28	619.47	618.75	618.94	618.30	618.49	617.85	618.04	617.40	617.59	616.95	617.14	616.53	616.72	616.20	616.39	615.87	616.06	615.54	615.73	615.22	615.41	614.91	615.10	614.63	614.82	614.35	614.54	614.06	614.25	613.78	613.97	613.50	613.69	613.22	613.41	612.93	613.12	612.65	612.84	612.36	612.55	612.08	612.27	611.82	612.01	611.56	611.75	611.30	611.49	611.04	611.23	610.80	610.99
30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00																																														



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
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PLOT DATE = --	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

W MOREY ROAD

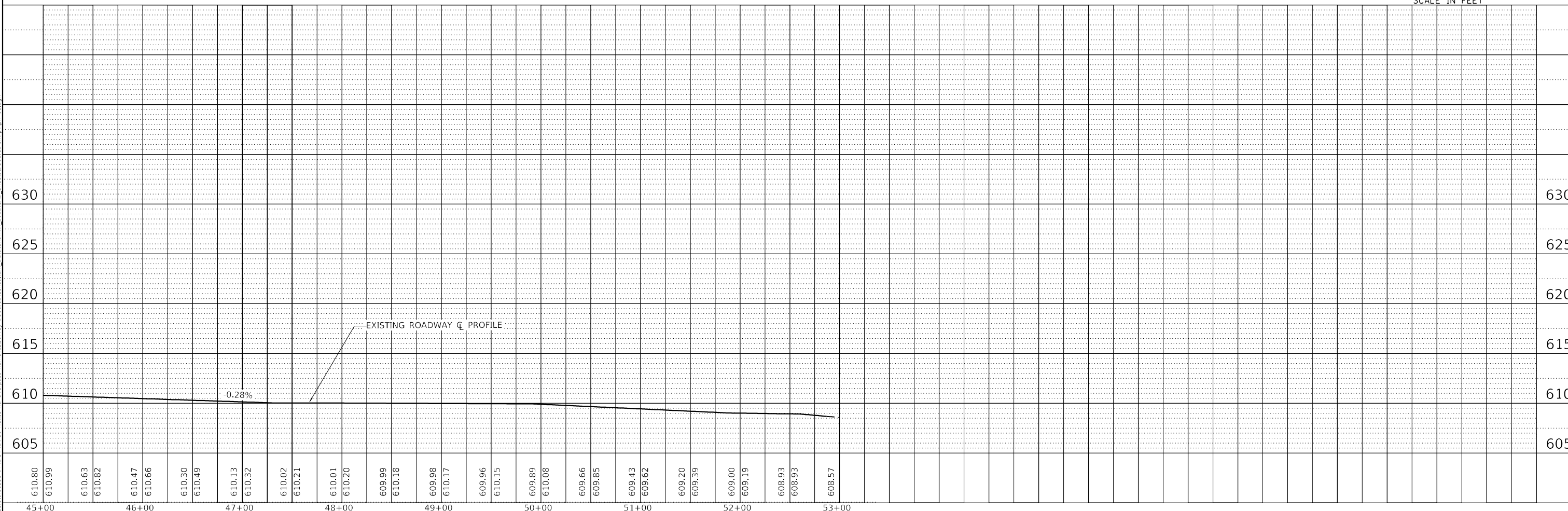
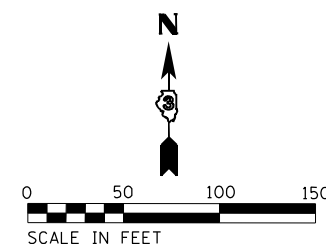
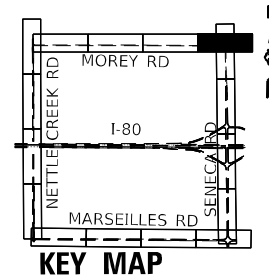
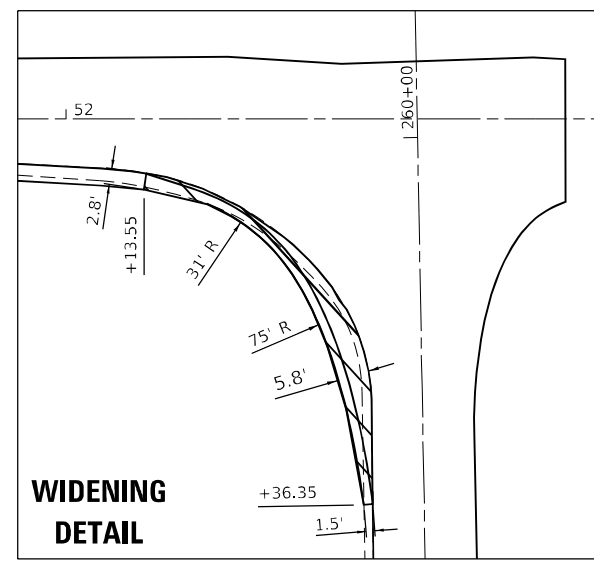
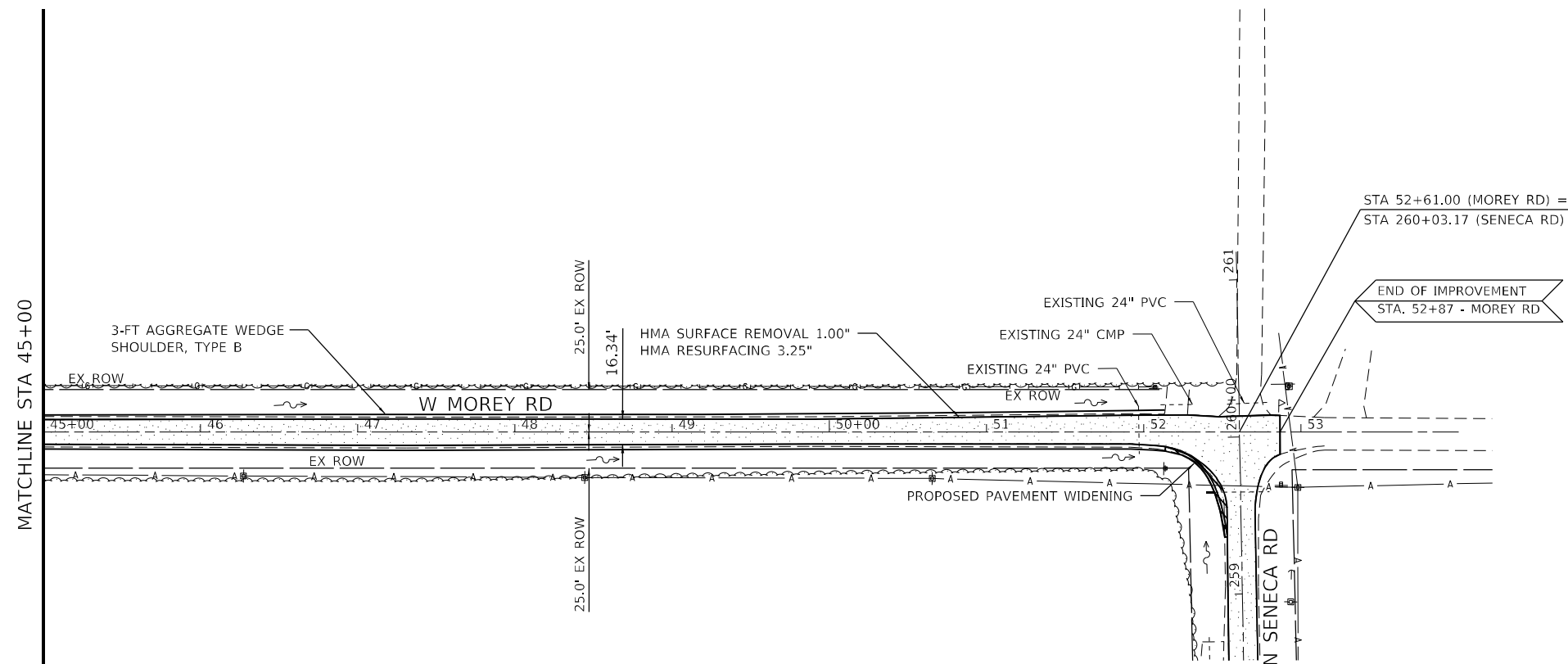
SCALE: 1" = 50'    SHEET 7 OF 10 SHEETS    STA. 30+00 TO STA. 45+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	20
CONTRACT NO. 66J62			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
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	GRADES CHECKED	
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

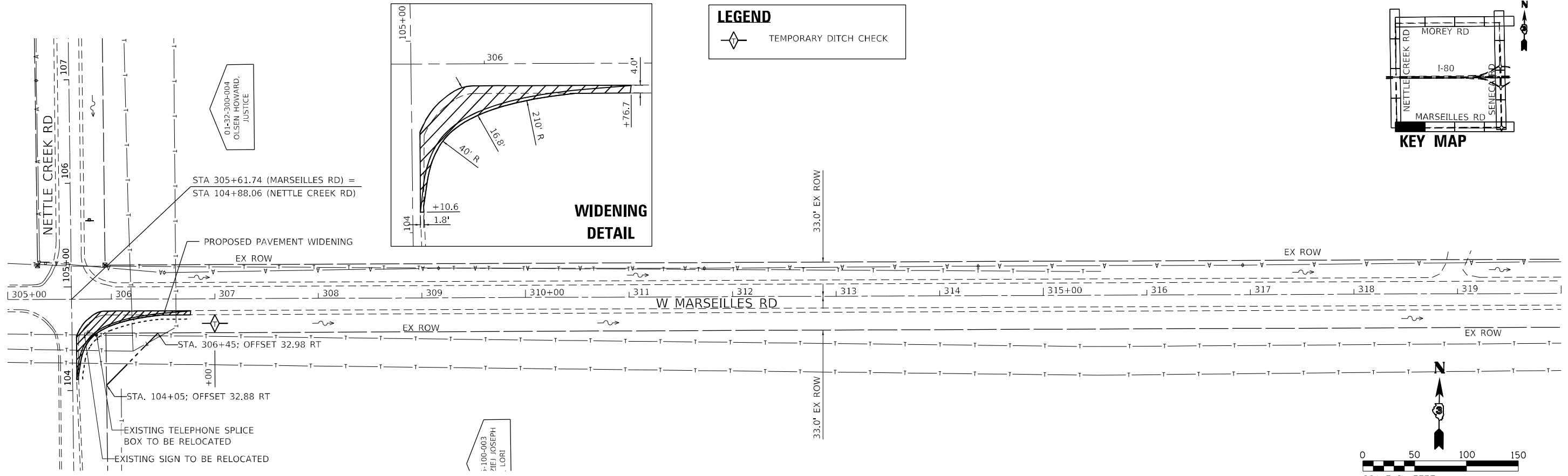
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F.A.I. RTE. 80	SECTION (32-1HB)BR	COUNTY GRUNDY	TOTAL SHEETS 52	SHEET NO. 21
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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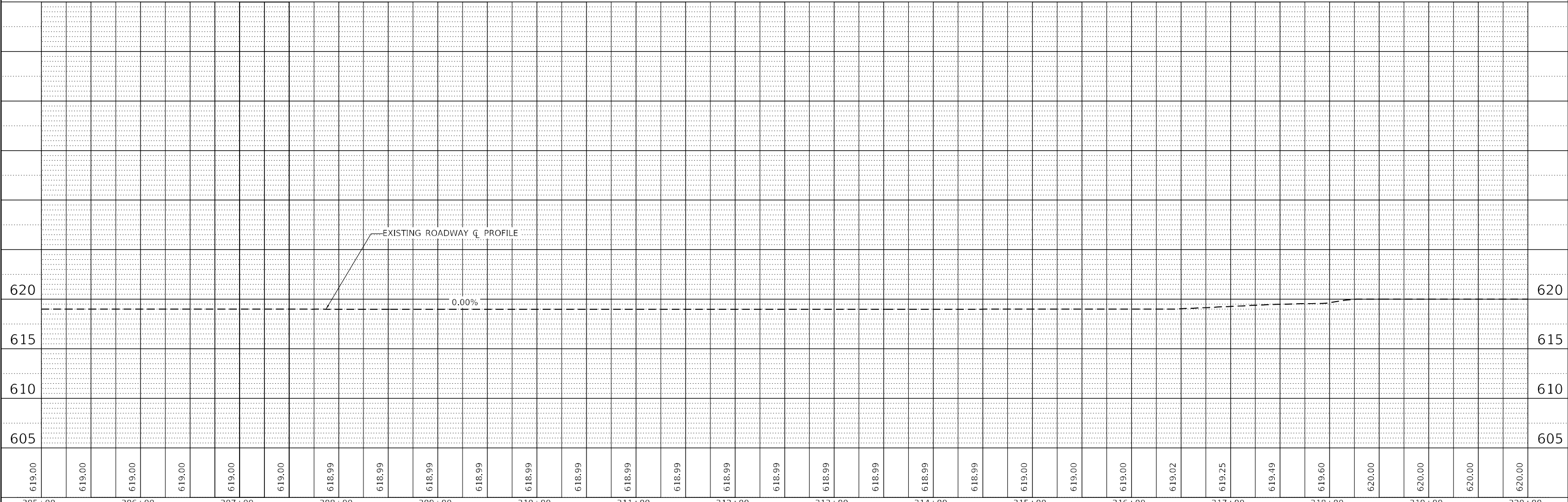
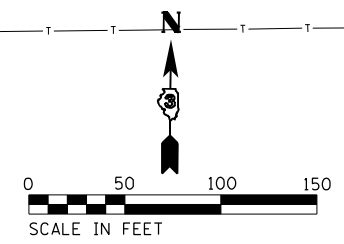
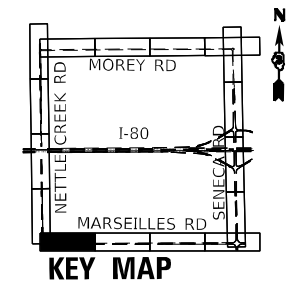
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**LEGEND**

TEMPORARY DITCH CHECK



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**W MARSEILLES ROAD**

SCALE: 1" = 50'    SHEET 9 OF 10 SHEETS    STA. 305+00 TO STA. 320+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	22
CONTRACT NO. 66J62			ILLINOIS FED. AID PROJECT	

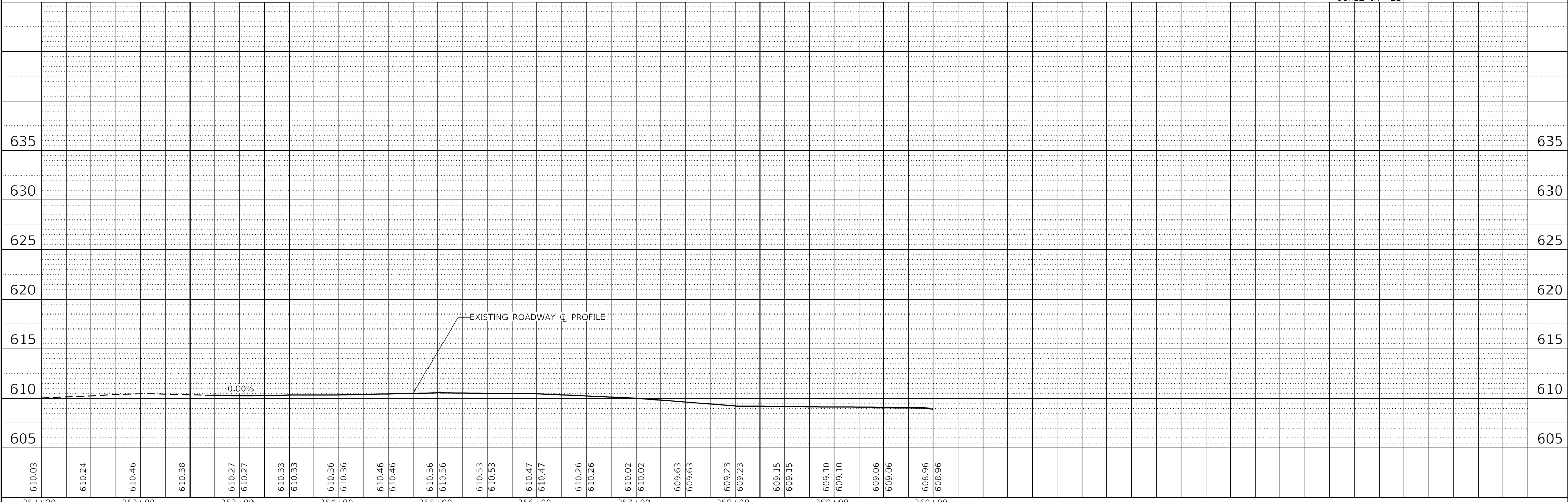
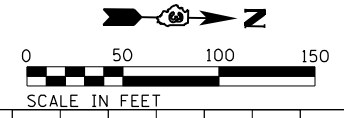
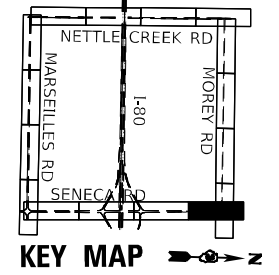
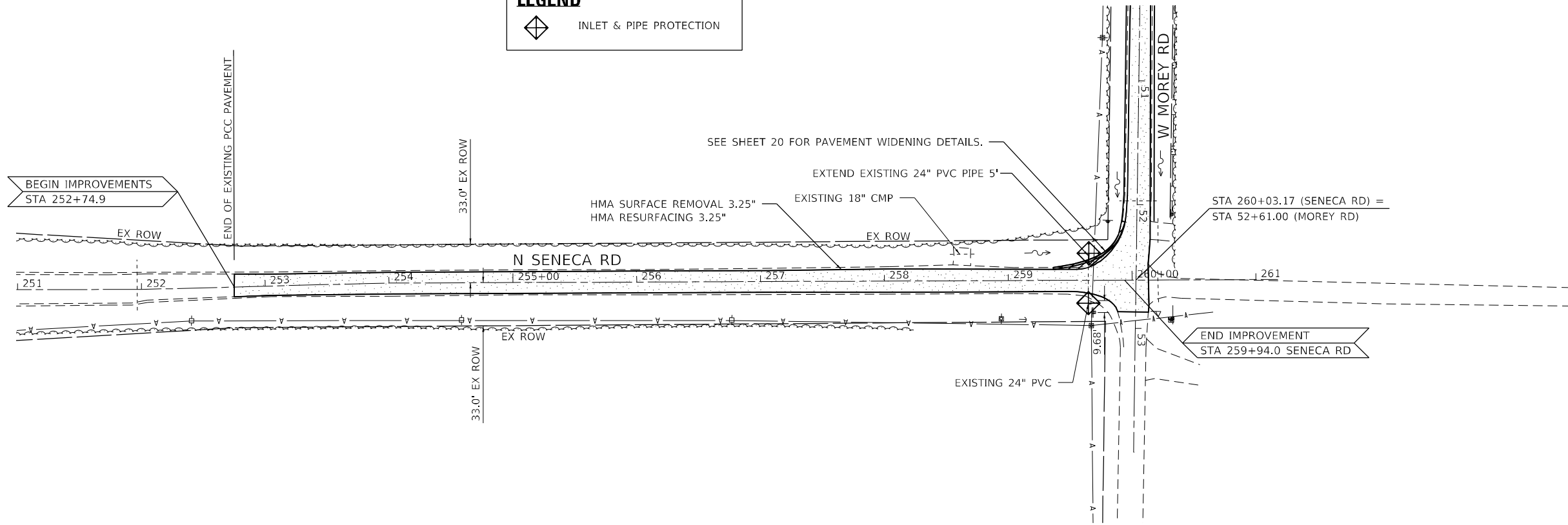
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
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**LEGEND**

 INLET & PIPE PROTECTION



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PLOT DATE = --	DATE -	REVISED -

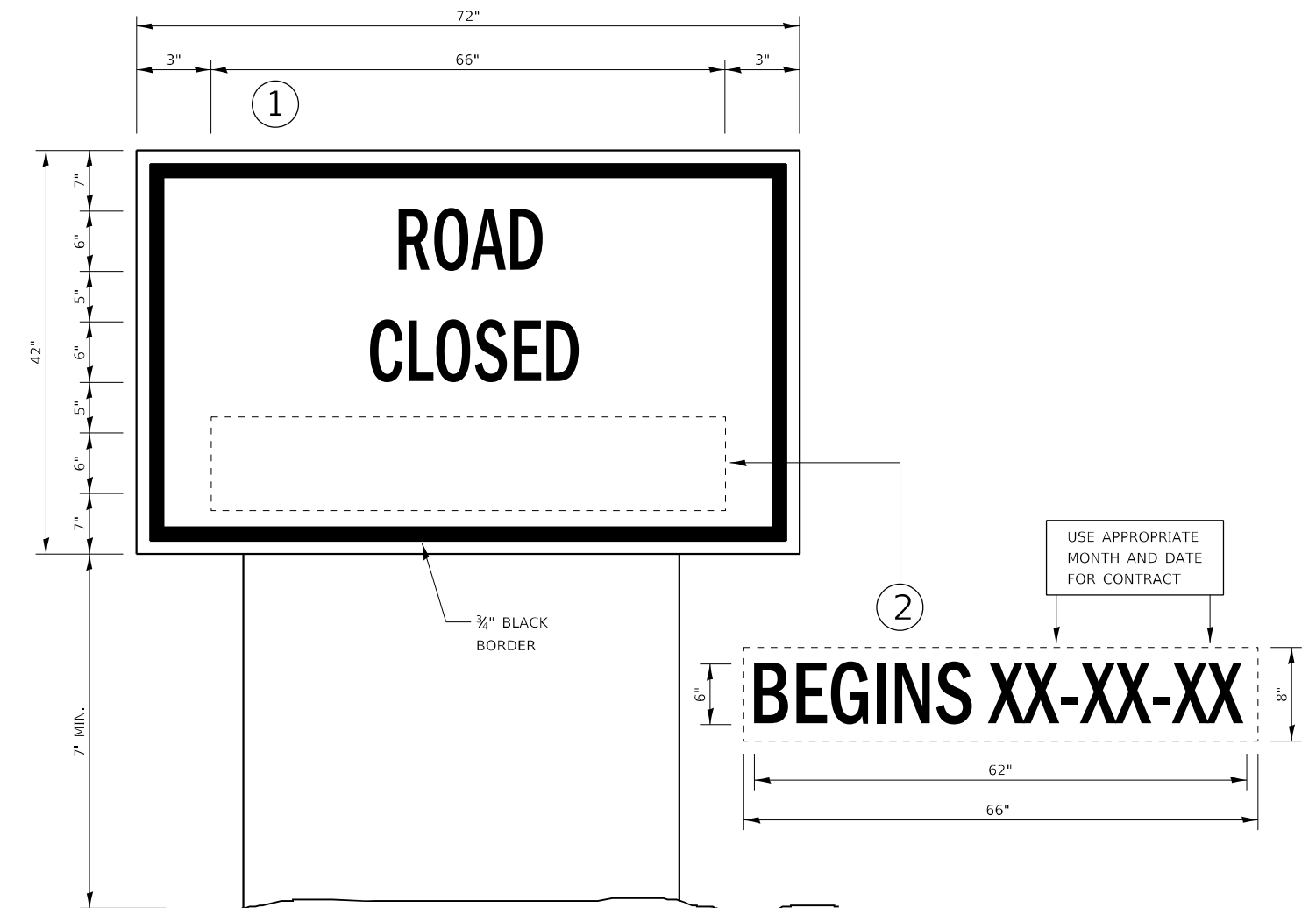
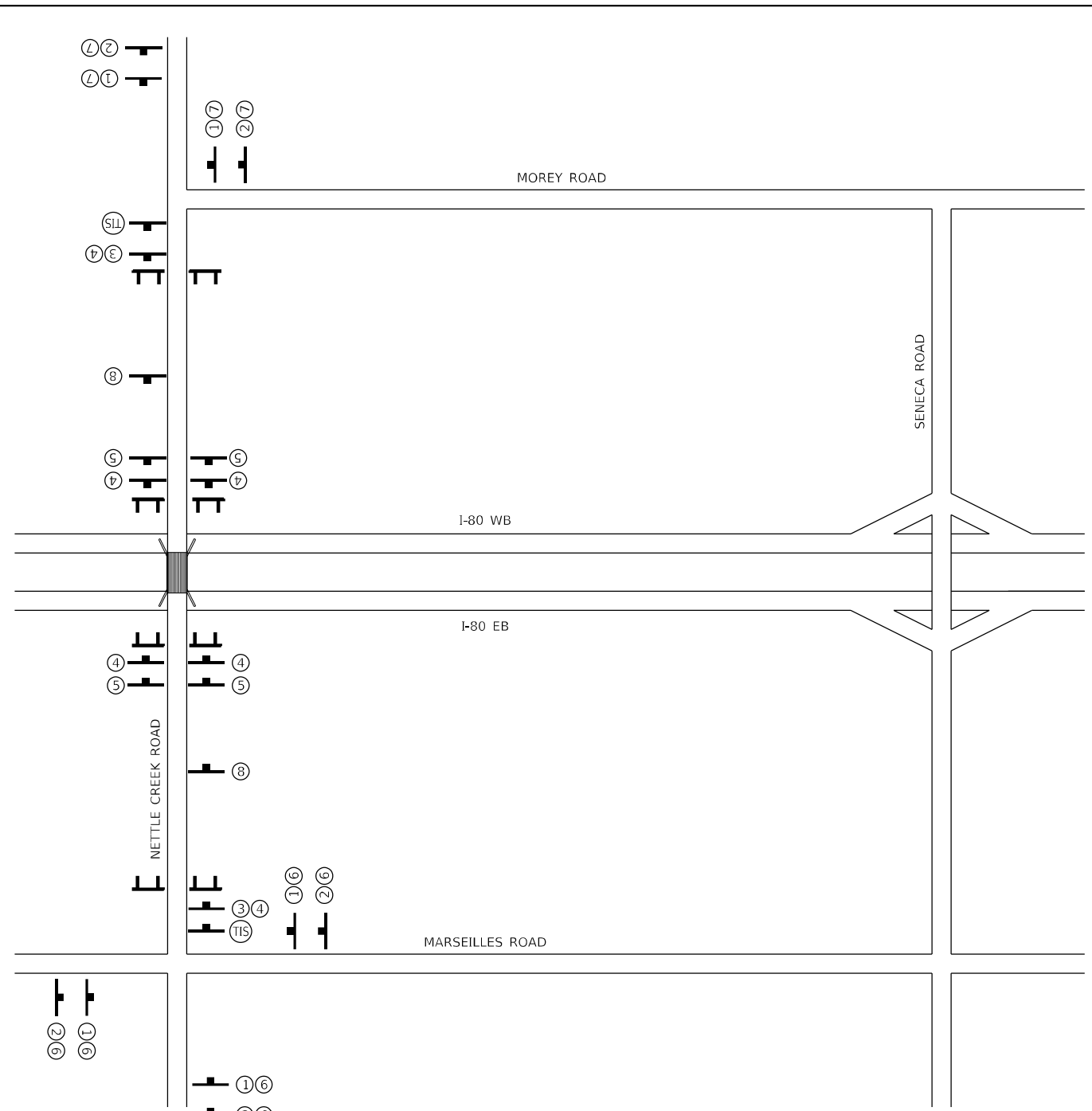
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N SENECA ROAD**

SCALE: 1" = 50' SHEET 10 OF 10 SHEETS STA. 251+00 TO STA. 260+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	23
				CONTRACT NO. 66J62
		ILLINOIS FED. AID PROJECT		

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**TIS TEMPORARY INFORMATION SIGNING**

**NOTES:**

- USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
- ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
- REMOVE PANEL ② ON THAT DATE.
- SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

**LEGEND**

- TYPE III BARRICADE W/ TYPE A FLASHER
- W20 SERIES SIGN W/ TYPE A FLASHER (NUMBER DENOTES TYPE)
- OTHER SIGN (NUMBER DENOTES TYPE)
- WORK ZONE
- SIGN POST

**SCHEDULE OF CONSTRUCTION SIGNS**

①		W20-3-4848	③		R11-4-6030 (ON TYPE III)	⑧		W20-3(10)-36
		W17-1 100 9xVARIES M3-3-2412	④		R11-2-4830 (MODIFIED) (ON TYPE III)			
②		W20-1-4848	⑤		R11-2-4830 (ON TYPE III)			
		W17-1 100 9xVARIES	⑥		M3-3-2412			
			⑦		M3-3-2412			

SEE HIGHWAY STANDARD BLR 21-9 FOR SIGN & BARRICADE SPACING



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PLOT SCALE = --	CHECKED - DJD	REVISED -
PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROAD CLOSURE PLAN NETTLE CREEK ROAD</b>		
SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	24
CONTRACT NO. 66J62			ILLINOIS FED. AID PROJECT	





**GENERAL STAGING NOTES**

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS, OR ANY CHANGE IN STAGE.
3. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES AND/OR AT THE DIRECTION OF THE ENGINEER.
4. ALL EXISTING SIGNS THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT THE WEST AND EAST LIMITS OF THE PROJECT ALONG I-80 AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGN WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".
6. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQ YD FOR "PAVEMENT REMOVAL".
7. THE CONTRACTOR SHALL GIVE THE ENGINEER TWO WEEK NOTICE BEFORE CLOSING THE ROAD.
8. OFF-PEAK HOURS ARE 6 PM TO 1 PM FOR EASTBOUND AND WESTBOUND I-80. HOURS FOR BEAM REMOVAL/REPLACEMENT WILL BE 9 PM TO 5 AM.
9. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT I.U.L.I.E.
10. EXISTING PAVEMENT MARKINGS THAT INTERFERE WITH STAGE CONSTRUCTION PAVEMENT MARKINGS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR MUST VERIFY FIELD CONDITIONS BEFORE STARTING ANY WORK. CONFLICTS, DISCREPANCIES, OMISSIONS MUST BE REPORTED TO THE ENGINEER.
12. ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
13. TWO LANES IN EACH DIRECTION ON I-80 SHALL BE MAINTAINED AT ALL TIMES ACCORDING TO THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. LANE CLOSURES ON I-80 WILL BE ALLOWED DURING OFF PEAK HOURS FOR REMOVAL OF TRAFFIC CONTROL DEVICES AND STRUCTURAL REMOVAL AS APPROVED BY THE ENGINEER.

**SEQUENCE OF CONSTRUCTION (I-80)**

STAGE 1

1. SET UP TRAFFIC CONTROL DEVICES ON I-80 AND NETTLE CREEK DRIVE ACCORDING TO THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS AND TRAFFIC CONTROL DETAILS. USE HWY STANDARD 701101 AND 701426.
2. MILL AND RESURFACE 4' FROM OUTSIDE SHOULDER FOR STAGING 4" DEPTH.
3. CLOSE I-80 OUTSIDE SHOULDER IN BOTH DIRECTIONS ACCORDING TO SUGGESTED MAINTENANCE OF TRAFFIC PLANS USING TEMPORARY CONCRETE BARRIER.
4. REMOVE EXISTING BRIDGE DECK.
5. REMOVE BRIDGE BEAMS DURING NIGHT-TIME HOURS ONLY (9 PM TO 5 AM) UTILIZING TOTAL INTERSTATE CLOSURE AT NIGHT DETAIL.
6. REMOVE EXISTING GUARDRAIL AND SHOULDER AS SHOWN IN THE PLANS.
7. REMOVE EXISTING ABUTMENTS, PIERS AND BRIDGE CONE.

STAGE 2

1. ADJUST TRAFFIC CONTROL DEVICES TO CLOSE I-80 INSIDE SHOULDERS IN BOTH DIRECTIONS AS SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS.
2. REMOVE CENTER PIER AND DRAINAGE ACCORDING TO THE PLANS.
3. REPLACE PAVEMENT MARKING AS NEEDED.
4. REMOVE ALL ASSOCIATED TRAFFIC CONTROL AND COMPLETE PUNCH LIST ITEMS.

**SEQUENCE OF CONSTRUCTION NETTLE CREEK ROAD**

1. INSTALL TEMPORARY INFORMATION SIGNS AND TRAFFIC CONTROL FOR NETTLE CREEK ROAD CLOSURES. USE HWY STND BLR 21 TRAFFIC CONTROL AND PLAN DETAILS.
2. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT AND PROPERTY OWNERS FOR ACCESS AT NO POINT DURING CONSTRUCTION. ACCESS SHALL BE RESTRICTED TO PROPERTY OWNERS.
3. BEGIN REMOVAL OF GUARDRAIL, FENCE, PAVEMENT AND TREE REMOVAL.
4. ROUGH GRADE DITCHES ALONG THE ROAD TO PROVIDE POSITIVE DRAINAGE DURING CONSTRUCTION.
5. BUILD EMBANKMENT ON BOTH SIDES OF THE STRUCTURE.
6. CONSTRUCT NEW ROADWAY PAVEMENT.
7. INSTALL PERMANENT ROAD CLOSURE SIGNING.
8. INSTALL NEW FENCE.
9. PERFORM FINAL LANDSCAPING.

REMOVE ALL ASSOCIATED TRAFFIC CONTROL AND COMPLETE PUNCH LIST ITEMS.

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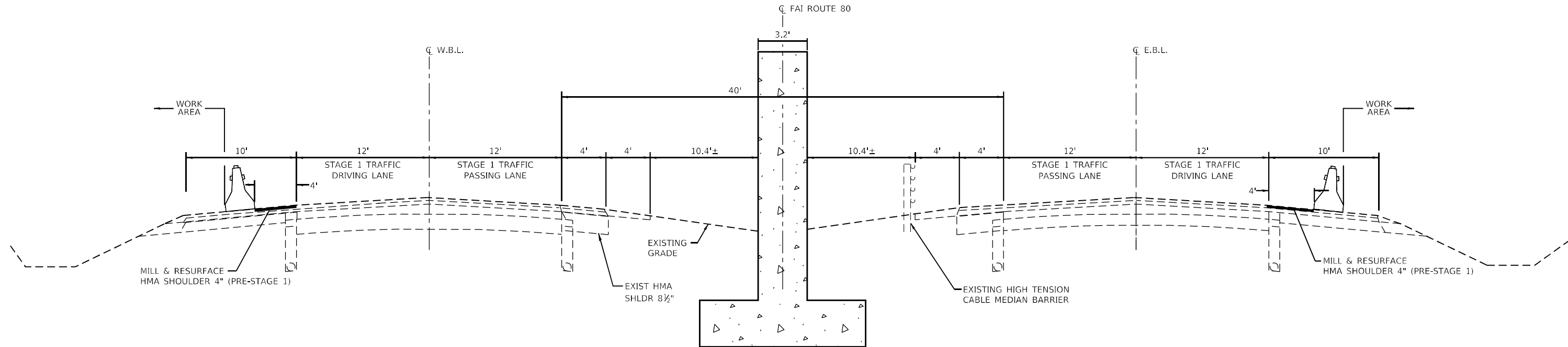
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PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC DETAILS**

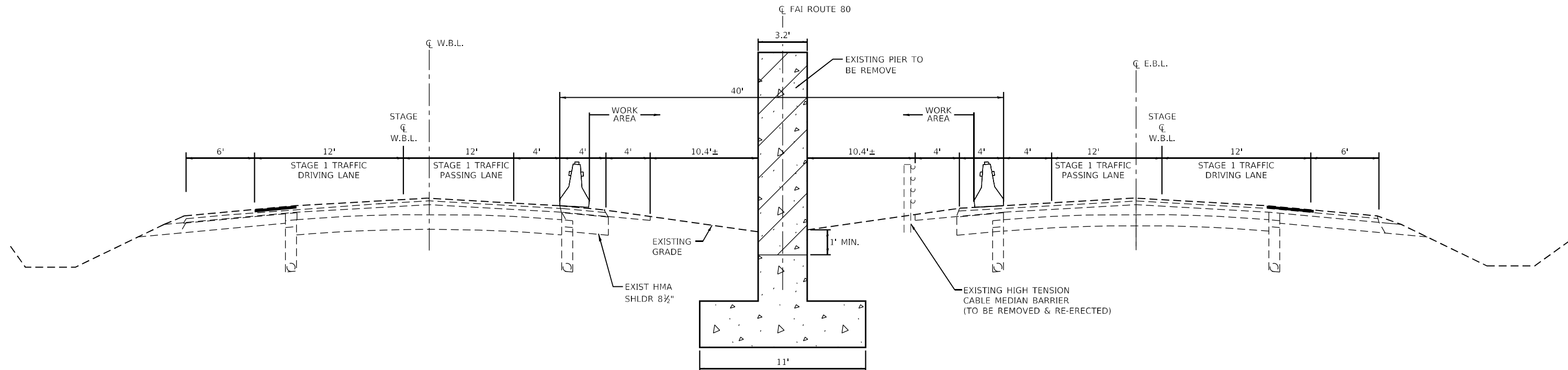
SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	25
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				



**STAGE 1 TYPICAL (I-80)**

(LOOKING EAST)



**STAGE 2 TYPICAL (I-80)**

(LOOKING EAST)

NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS AND THE BARRIER/PAVEMENT MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

MODEL: D:\p\h\... FILE NAME: C:\Users\666358-14\Documents\I-80\_Nettle\_Rd\_Overpass\_Removal\Survey\_D266162\Consultant\Drawings\Chamlin\_2022\CAD\_Sheets\I-80\66J62-ahb\main-ctd\traffic.dgn



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
PLOT SCALE = --	DRAWN - NV	REVISED -
PLOT DATE = --	CHECKED - DJD	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC DETAILS**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	26
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

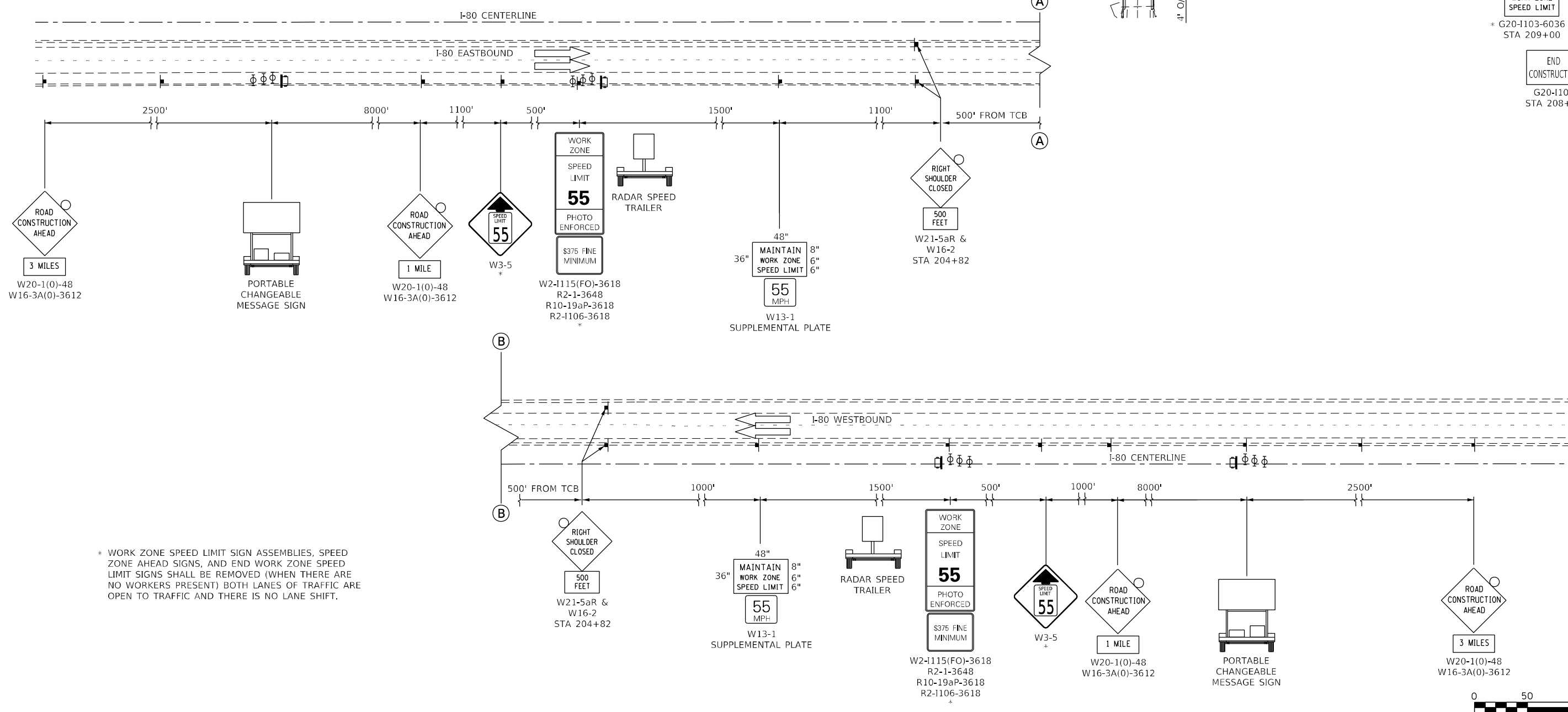
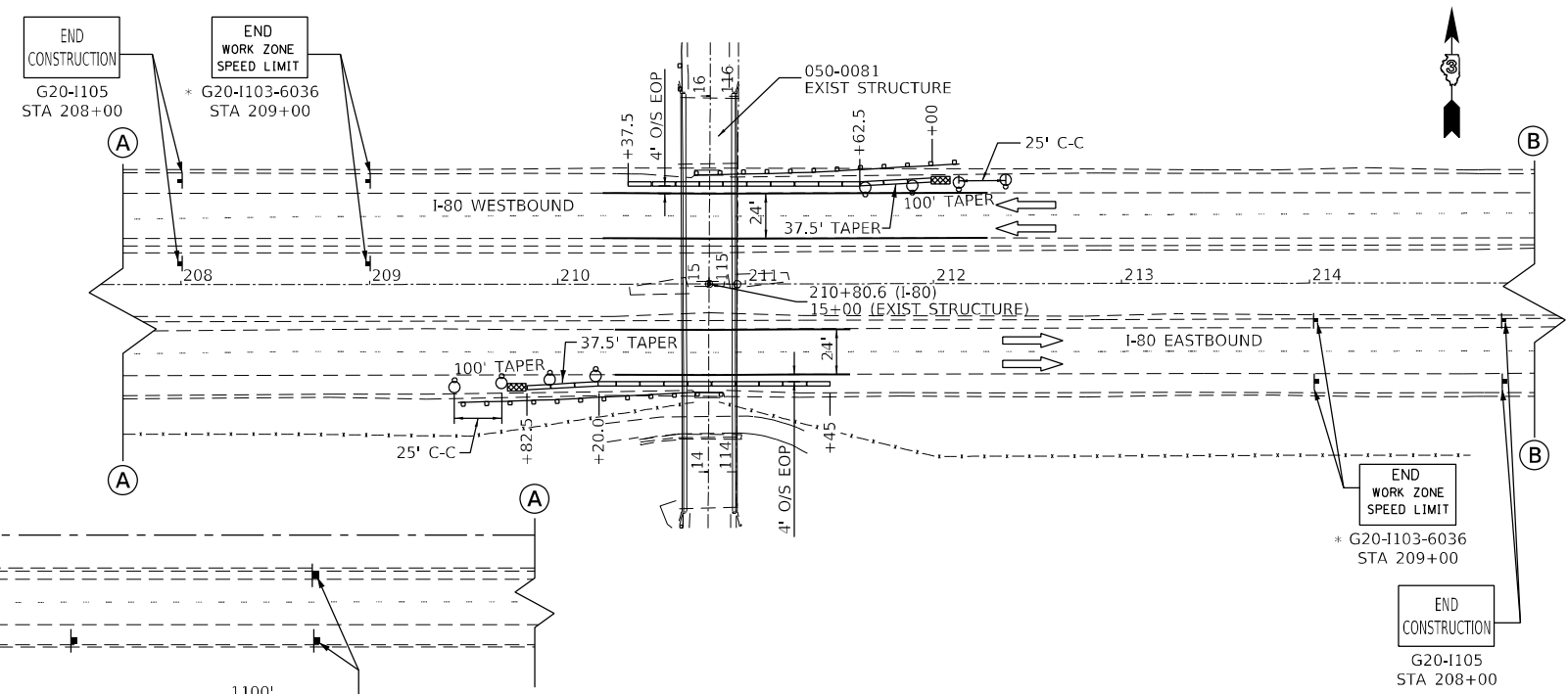
# STAGE 1 TRAFFIC CONTROL (I-80)

**LEGEND**

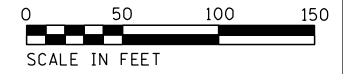
- DIRECTION OF TRAFFIC
- DRUMS WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS AT 25' CENTERS ALONG TAPERS
- IMPACT ATTENUATOR, TEMPORARY (FULL REDIRECTIVE)
- TEMPORARY CONCRETE BARRIER

TEMPORARY CONCRETE BARRIER	
NORMAL POSTED SPEED	TAPER RATIO
40 MPH & ABOVE	12:1
BELOW & 40 MPH	8:1

NOTE: ALL TRAFFIC CONTROL ITEMS EXCEPT TEMP CONCRETE BARRIER, TEMP PAVEMENT MARKING, PORTABLE CHANGEABLE MESSAGE SIGN AND IMPACT ATTENUATORS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL & PROTECTION (SPECIAL)



\* WORK ZONE SPEED LIMIT SIGN ASSEMBLIES, SPEED ZONE AHEAD SIGNS, AND END WORK ZONE SPEED LIMIT SIGNS SHALL BE REMOVED (WHEN THERE ARE NO WORKERS PRESENT) BOTH LANES OF TRAFFIC ARE OPEN TO TRAFFIC AND THERE IS NO LANE SHIFT.



MODEL: D:\p\11\1100\1100.dwg; FILE NAME: C:\Users\G\OneDrive\Documents\RemovalSurvey\_D\66662\Consult\Drawings\CAD\_Sheets\1100\1100.dwg



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC DETAILS**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	27
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				





ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	50-6HB-2	LA SALLE	50	44
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	F.A. PROJECT		

SHEET 2 OF 12

### GENERAL NOTES

CLASS X CONCRETE SHALL BE USED THROUGHOUT EXCEPT FOR CONCRETE IN HANDRAILS AND PRECAST I-BEAMS. HANDRAIL CONCRETE SHALL BE USED IN HANDRAIL PORTION OF ENDWALLS AS SHOWN. FOR CONCRETE IN PRECAST I-BEAMS SEE SPECIAL PROVISIONS.

ALL CONCRETE SHALL BE CAST IN PLACE EXCEPT FOR THE PRECAST PRESTRESSED CONCRETE I-BEAMS.

THE CONCRETE FLOOR SLAB FOR EACH SPAN SHALL BE PLACED IN ONE CONTINUOUS OPERATION BETWEEN CONSTRUCTION JOINTS SHOWN AND SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 51.17 OF THE STANDARD SPECIFICATIONS.

ALL STEEL SHALL BE STRUCTURAL STEEL EXCEPT AS OTHERWISE NOTED.

BRONZE EXPANSION PLATES SHALL CONFORM TO A.S.T.M. SPECIFICATION B100, ALLOY 1, AND SHALL HAVE GRAPHITE INSERTS INSTALLED IN THE SLIDING SURFACE AS MANUFACTURED BY MERRIMAN BROS. INC., BOSTON, MASS., OR EQUAL.

ALL STEEL BEARING PLATES, GRAPHITE BRONZE EXPANSION PLATES, LEAD PLATES AND ANCHOR BOLTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLE 51.15 OF THE STANDARD SPECIFICATION AND ARE INCLUDED IN QUANTITY OF STRUCTURAL STEEL. ESTIMATED WEIGHT = 4,590 LBS.

STEEL EXPANSION DEVICES AT THE PIERS AND ABUTMENTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLE 51.15 (G) OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN QUANTITY OF STRUCTURAL STEEL. ESTIMATED WEIGHT = 4,920 LBS.

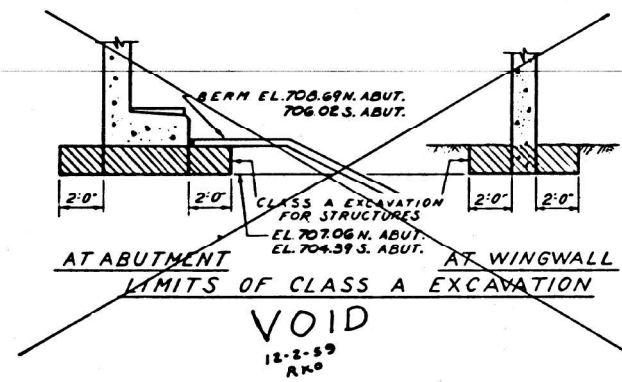
STRUCTURAL STEEL SHALL BE PAINTED ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT IN ACCORDANCE WITH SECTION 56 OF THE STANDARD SPECIFICATIONS EXCEPT AS OTHERWISE SPECIFIED ON THE PLANS. ALL PAINT SHALL BE FURNISHED AND APPLIED BY THE CONTRACTOR.

THE CONTRACTOR SHALL DRIVE ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT EACH ABUTMENT AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE CONCRETE PILES.

THE CONTRACTOR SHALL DRIVE ONE TIMBER TEST PILE AT EACH PIER AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE TIMBER PILES.

JOINTS IN DECK SLAB NOTED ON PLANS TO BE FILLED WITH "PARAPLASTIC OR EQUAL" SHALL BE FILLED WITH JOINT SEALER CONFORMING TO "FEDERAL SPECIFICATION FOR SEALER, HOT POURED TYPE, FOR JOINTS IN CONCRETE 33-3-164."

SHOP INSPECTION OF STRUCTURAL STEEL AND PRECAST PRESTRESSED I-BEAMS BY ILLINOIS DIVISION OF HIGHWAYS.

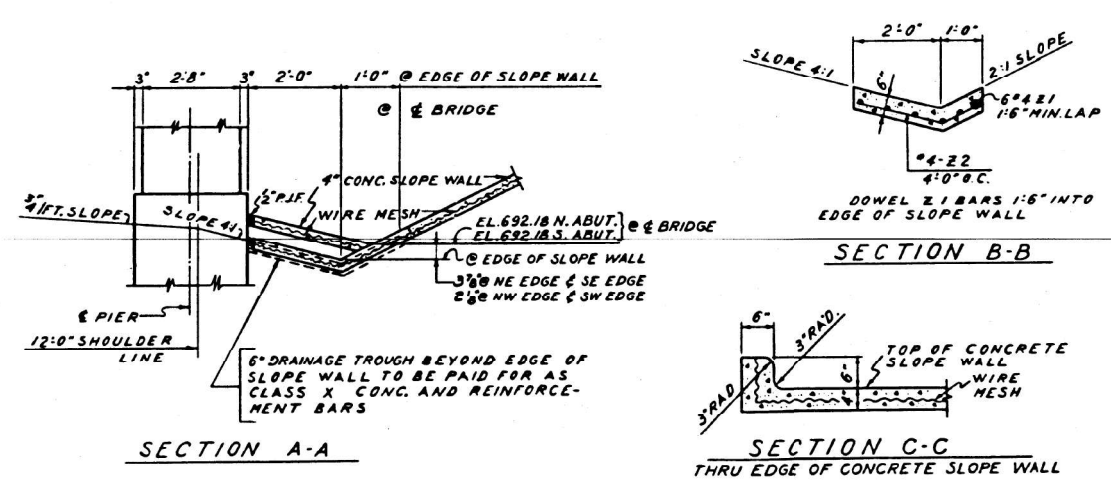


### BILL OF MATERIAL FOR SECTION 50-6HB

ITEM	UNIT	QUANTITY		TOTAL
		SUPER.	SUB.	
CLASS X CONCRETE, STRUCTURES	CU YDS.	191.7	189.3	390.7 *
HANDRAIL CONCRETE	CU YDS.	—	2.0	2.0
REINFORCEMENT BARS	LBS.	33,910	23,510	58,270 *
FURNISHING AND ERECTING STRUCTURAL STEEL	LBS.	9,510	—	9,510
FURNISHING AND ERECTING METAL HANDRAIL	LIN. FT.	427	—	427
NAME PLATES	EACH	—	2	2
FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS	LIN. FT.	1,084	—	1,084
TEST PILES (CONCRETE)	EACH	—	2	2
TEST PILES (TIMBER)	EACH	—	3	3
SLOPE WALL	30 YDS.	—	316	316
CLASS A EXCAVATION FOR STRUCTURES	CU YDS.	—	170	170
FURNISHING CONCRETE PILES	LIN. FT.	—	480	480
DRIVING CONCRETE PILES	LIN. FT.	—	480	480
FURNISHING CROSSTED PILES, 20.1' TO 38'	LIN. FT.	—	2,030	2,030
DRIVING TIMBER PILES	LIN. FT.	—	2,030	2,030
EARTH EXCAVATION	CU YDS.	—	12,360	12,360 **

NOTE: THESE ITEMS MARKED THUS \* INCLUDE 9.7 CU YDS. CLASS X CONCRETE AND 850 LBS. REINFORCEMENT BARS FOR DRAINAGE TROUGH.

\*\* EARTH EXCAVATION TO BE SECURED FROM RELOCATED ROAD QUANTITIES SHOWN ON PLAN AND PROFILE SHEET STATION 1040+00 TO 1070+00



### BILL OF MATERIAL-DRAINAGE TROUGHS

ITEM	UNIT	TOTAL
CLASS X CONCRETE	CU YDS.	9.7
REINFORCEMENT BARS	LBS.	850

DRAINAGE DETAILS, EXCAVATION, QUANTITY AND GENERAL NOTES  
 GRADE SEPARATION  
 CROSS ROAD  
 OVER F.A.I. ROUTE 80  
 F.A. PROJECT  
 F.A.I. ROUTE 80 SECTION 50-6HB-2  
 LA SALLE COUNTY  
 STATION 1044+01.05

REV 12/24/59 - RAK. 1) BORROW EXCAV. ADDED TO BILL OF MATERIAL

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS  
 18 SOUTH WABASH AVENUE 586 CHICAGO, ILLINOIS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS  
 (FOR INFORMATION ONLY)

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

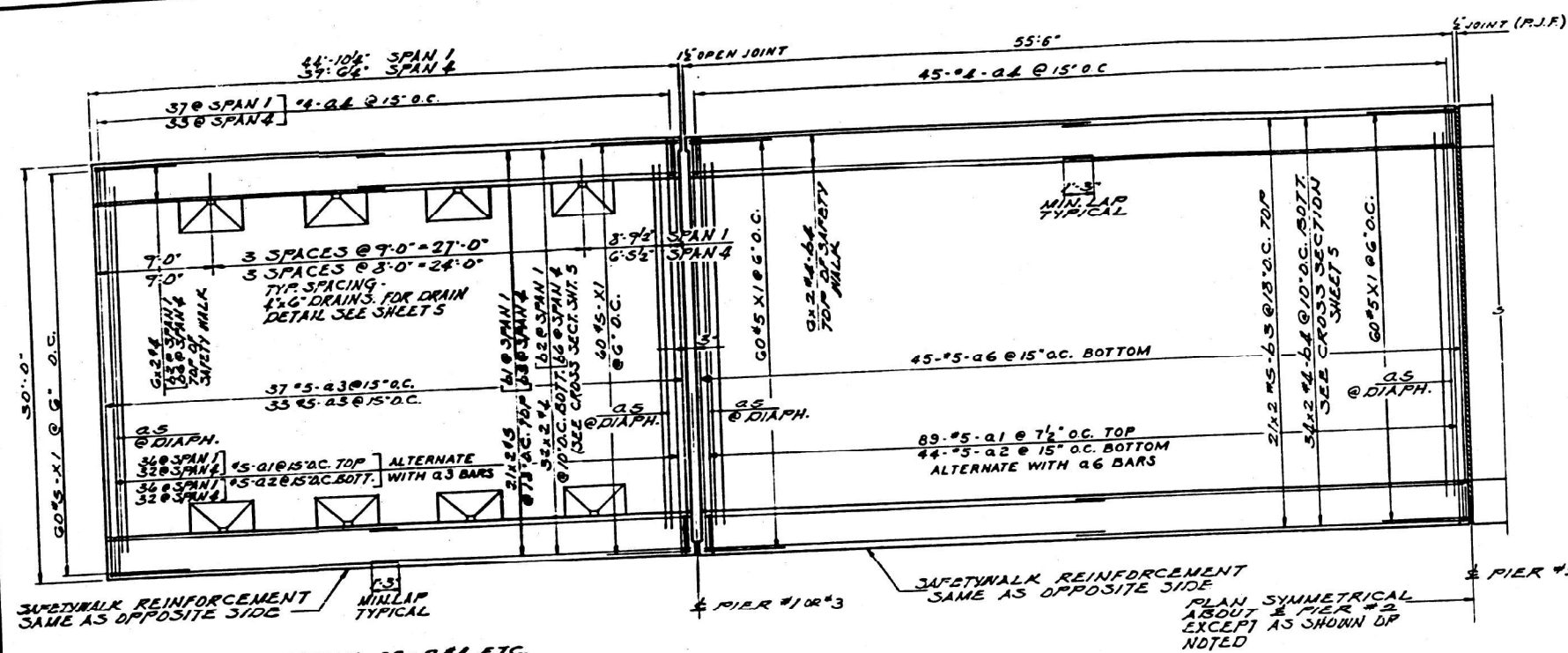
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	30
			CONTRACT NO. 66J62	
		ILLINOIS	FED. AID PROJECT	



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
PLOT SCALE = --	DRAWN - NV	REVISED -
PLOT DATE = --	CHECKED - DJD	REVISED -
	DATE -	REVISED -

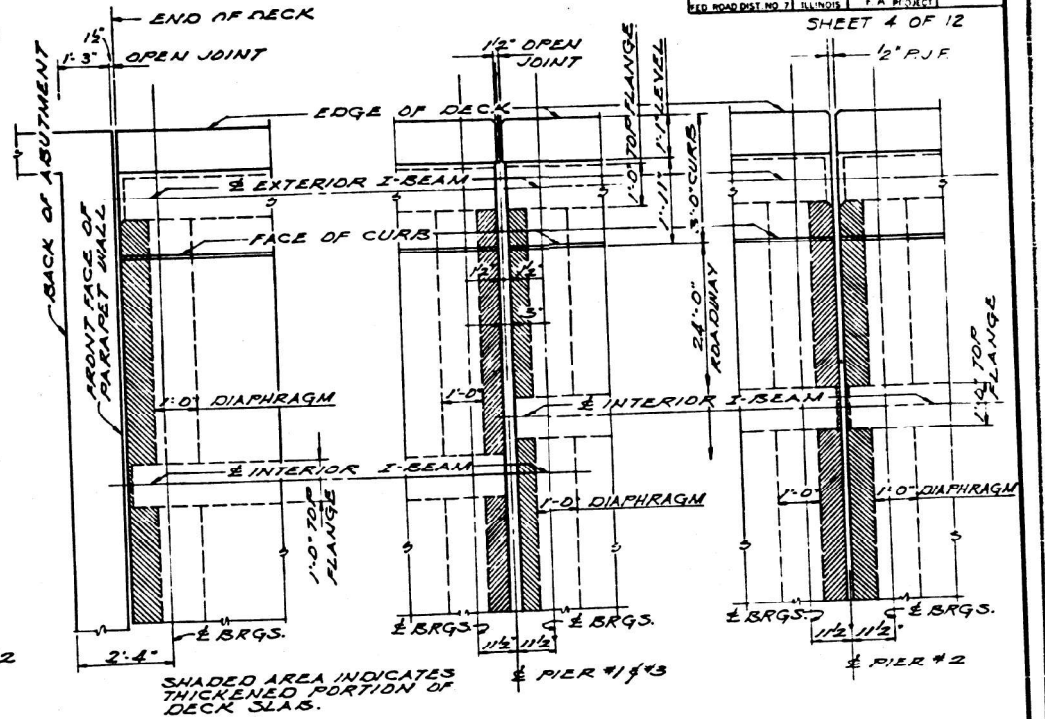




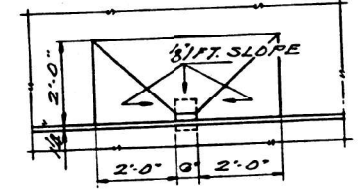


NOTE: BARS NOTED THUSLY 32x 2# ETC. INDICATE 32 LINES OF BARS WITH 2 LENGTHS OF BARS PER LINE

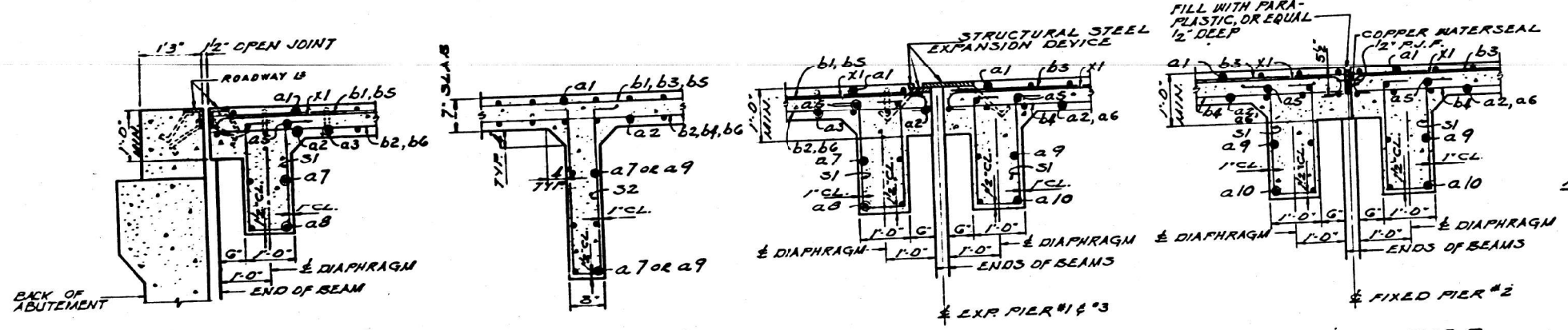
**PLAN OF DECK REINFORCEMENT**  
 SCALE: 3/8" = 1'-0"



**PARTIAL PLAN OF DECK**  
 SCALE: 1/2" = 1'-0"



**PLAN AT DRAINS**  
 SCALE: 1/2" = 1'-0"



**TYPICAL DIAPHRAGM SECTIONS**  
 SEE SHEETS No. 6 & 7 FOR DIAPHRAGM LOCATIONS  
 SCALE: 3/4" = 1'-0"

**BILL OF MATERIALS - SUPERSTRUCTURE**

ITEM	UNIT	TOTALS
CLASS X CONCRETE	CU. YDS.	191.7
REINFORCEMENT BARS	LBS.	33,910
METAL HANDRAIL	LIN. FT.	427
STRUCTURAL STEEL	LBS.	9,510
FURNISHING & ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS	LIN. FT.	1,084

DECK REINFORCEMENT PLAN  
 GRADE SEPARATION  
 CROSS ROAD  
 OVER F.A. ROUTE 80  
 F.A. PROJECT  
 F.A.I. ROUTE 80 SECTION 50-6HB-2  
 LA SALLE COUNTY  
 STATION 1044 + 01.05

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS  
 10 SOUTH WABASH AVENUE 586 CHICAGO, ILLINOIS

MODEL: D:\chamlin\1411007-11-80\_Nettle Rd. Overpass Removal\Survey\_D\66667\Consultant\_D\66667\Drawings\66667-4-18-80-4-18-80.dwg  
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USER NAME = CHAMLIN	DESIGNED - DID	REVISED -
PLOT SCALE = --	DRAWN - NV	REVISED -
PLOT DATE = --	CHECKED - DID	REVISED -
	DATE -	REVISED -

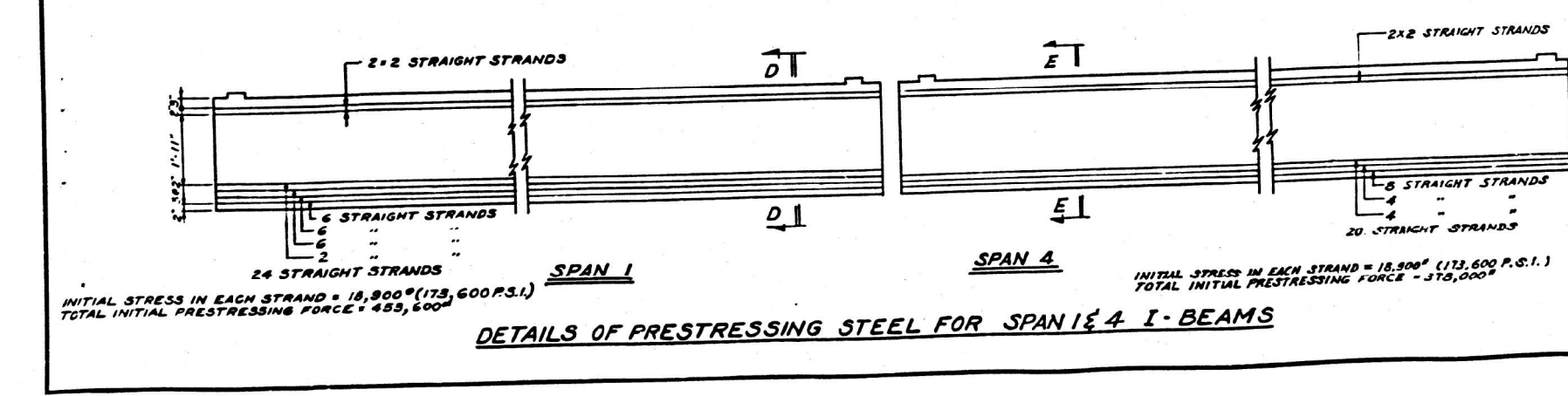
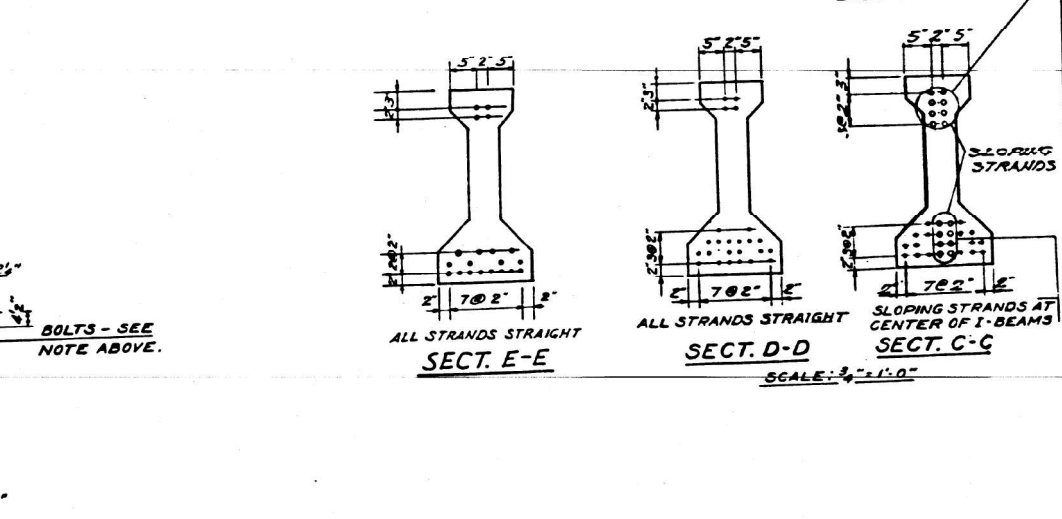
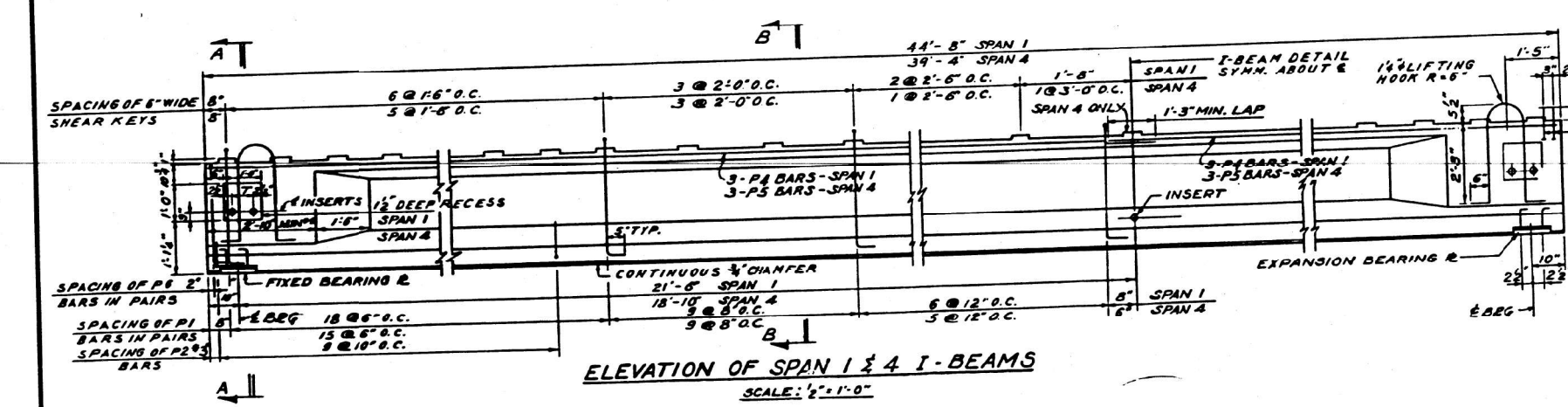
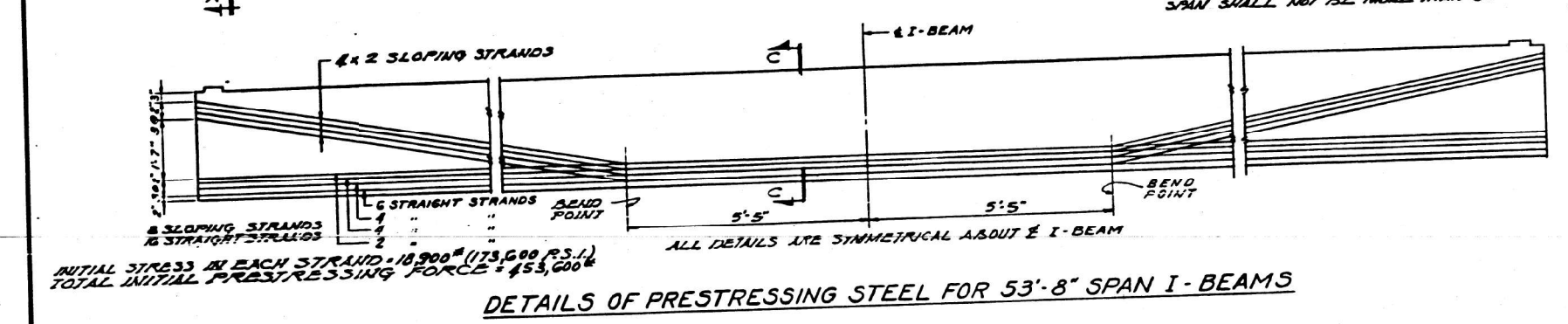
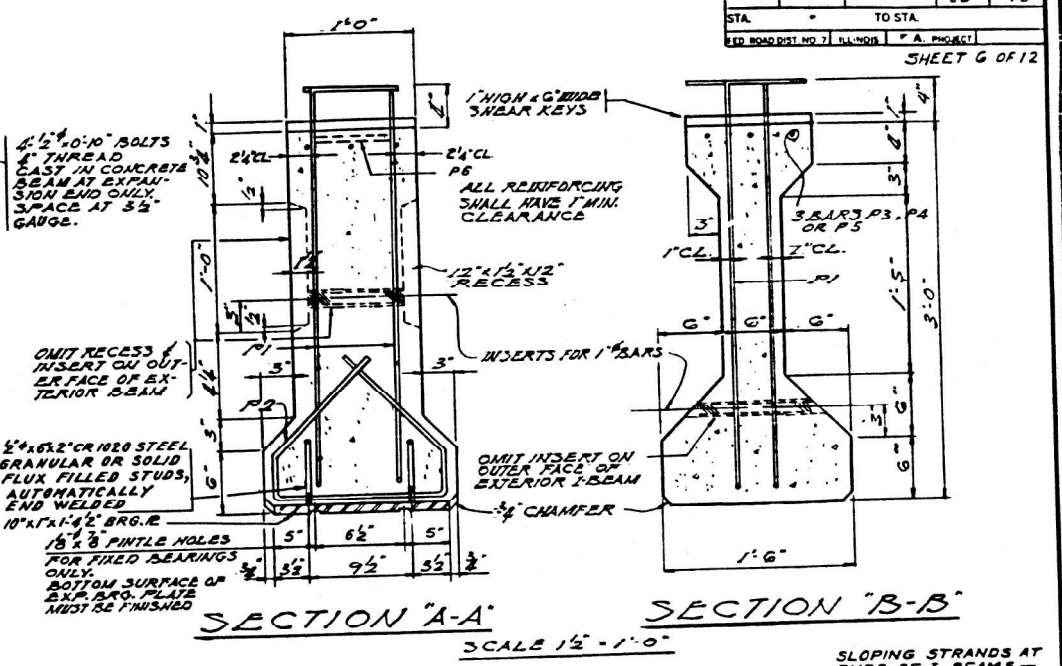
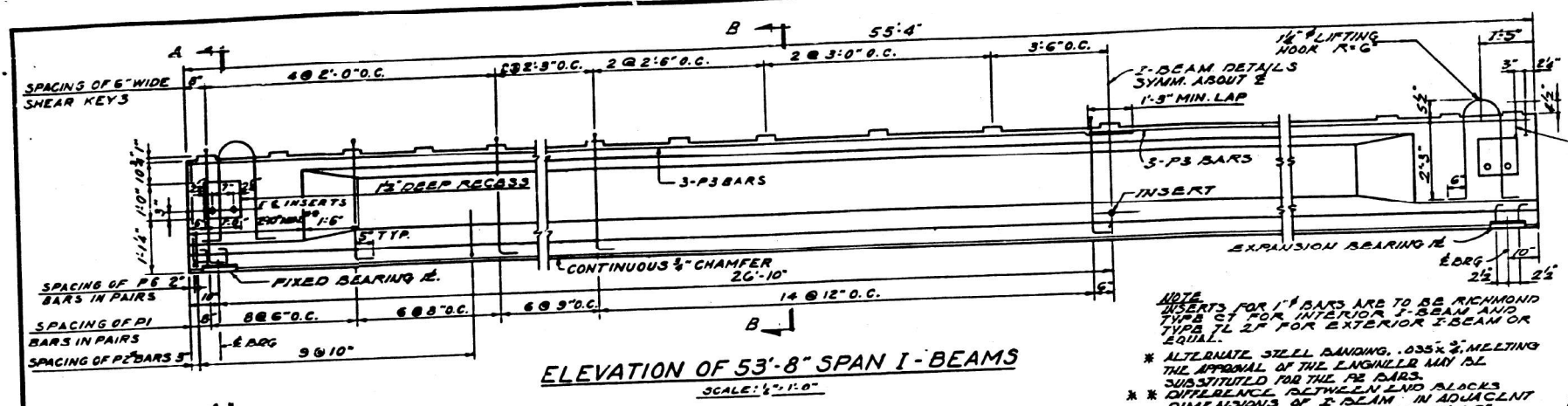
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS  
 (FOR INFORMATION ONLY)

SCALE: SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION (32-1HB)BR	COUNTY GRUNDY	TOTAL SHEETS 52	SHEET NO. 32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66J62	





**NOTES**

PRECAST PRESTRESSED CONCRETE I BEAMS ARE DESIGNED IN ACCORDANCE WITH THE A.S.T.M. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1953, AND THE CRITERIA FOR PRESTRESSED CONCRETE BRIDGES, 1954, OF THE BUREAU OF PUBLIC ROADS. PRESTRESSING STRANDS SHALL CONSIST OF INCREASING SEVEN-WIRE STRANDS WHICH HAVE A NOMINAL DIAMETER OF 3/8", AND A CROSS-SECTIONAL AREA OF 0.1089 SQUARE INCHES. ALL REINFORCING STEEL, PRESTRESSING STRANDS, LIFTING HOOKS, INSERTS, BEARING PLATES AND OTHER ITEMS WHICH ARE CAST INTO THE PRECAST CONCRETE I-BEAMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER PRESTRESSED CONCRETE I-BEAM. PRESTRESSED CONCRETE I-BEAMS SHALL BE LIFTED ONLY BY THE LIFTING HOOKS PROVIDED IN THE TOP FLANGES AT THE ENDS OF THE BEAMS. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING MATERIALS, PRESTRESSING EQUIPMENT AND OPERATIONS, CONSTRUCTION AND HANDLING METHODS, AND OTHER REQUIREMENTS FOR THE PRECAST PRESTRESSED CONCRETE I-BEAMS. STEEL FOR LIFTING HOOKS SHALL BE NON DEFORMED BARS OF STRUCTURAL OR INTERMEDIATE GRADE BULLETT STEEL. ALTERNATE LIFTING HOOKS MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED FOR THE LIFTING HOOK SHOWN.

ALFRED MINDICH & ASSOCIATES CONSULTING ENGINEERS  
 10 SOUTH WABASH AVENUE 306 CHICAGO, ILLINOIS

**BAR SCHEDULE**

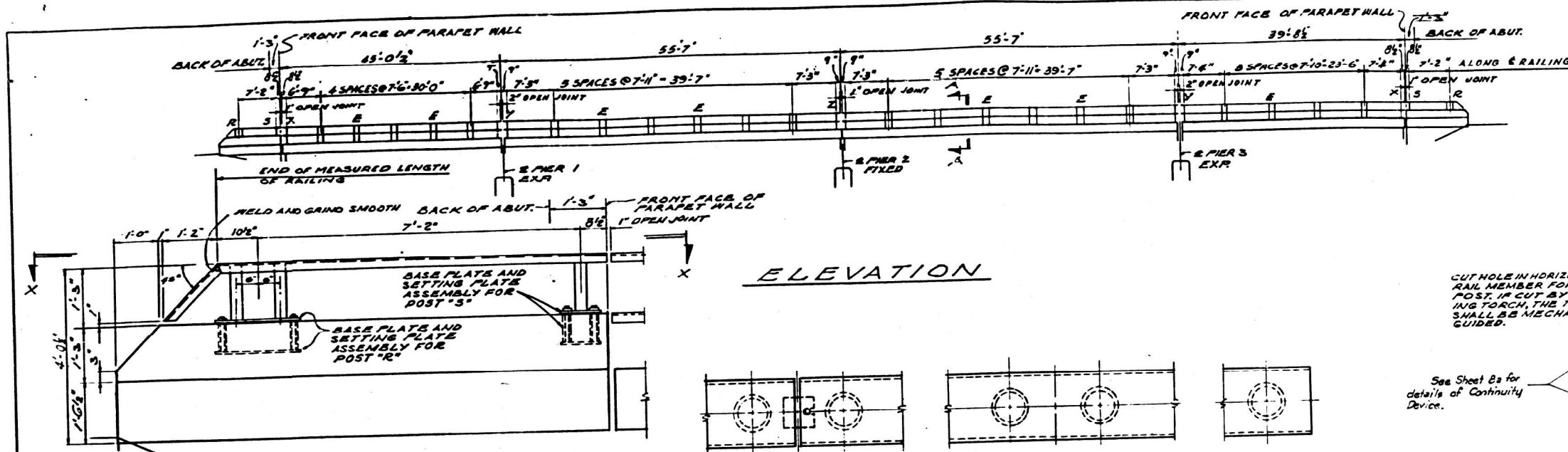
MARK SIZE	TYPE	LENGTH	TOP							
			B	C	D	E	F	H	K	
P1	05	4'-3"	0-8	3	2	0-5				
PE	03	4'-1"	1-1	0-35	1-4	0-36	1-1	0-34	0-34	
P3	05	28'2"								
P4	05	22'4"								
P5	05	20'2"								
P6	05	3'-10"	0-6	2	0-5					

**DETAILS OF PRECAST PRESTRESSED CONCRETE I-BEAMS**  
 GRADE SEPARATION  
 CROSS ROAD  
 OVER FAI. ROUTE 80  
 F.A. PROJECT  
 F.A.I. ROUTE 80 SECTION 50-6HB-2  
 LA SALLE COUNTY  
 STATION 1044+01.05

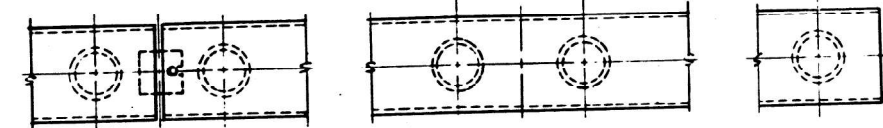


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	50-6HB	LA SALLE	52	50
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FA PROJECT		

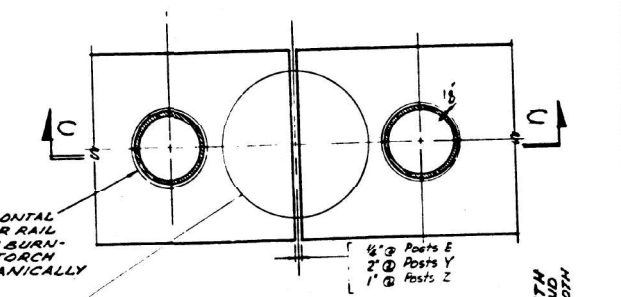
SHEET 8 OF 12



WINGWALL HANDRAIL ELEVATION

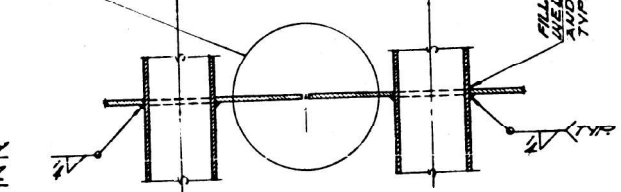


TOP VIEW OF RAIL

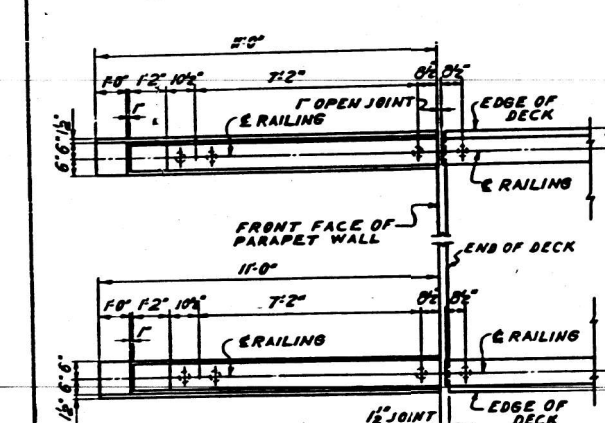


SECTION "B-B"

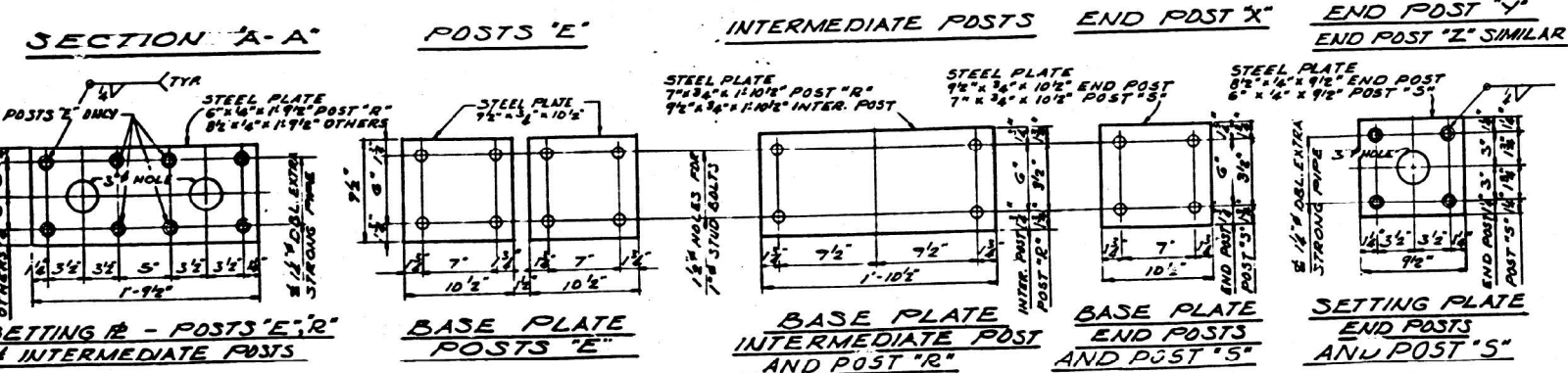
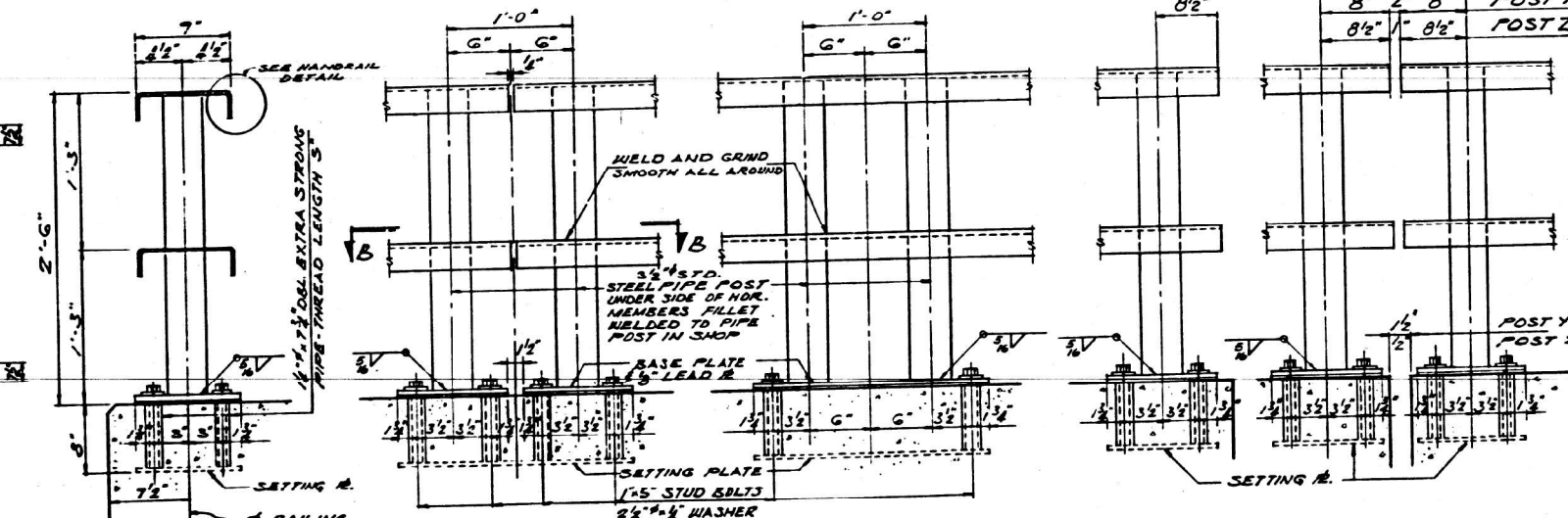
SIMILAR @ POSTS Y & Z. SEE SHEET A FOR DETAILS OF CONTINUITY DEVICE



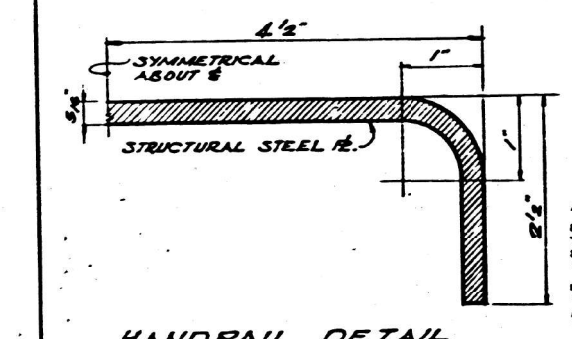
SECTION "C-C"



SECTION "X-X"



**NOTES**  
 RAIL SHALL BE FABRICATED AND ERECTED TO CONFORM TO PROFILE OF ROADWAY.  
 RAIL POSTS SHALL BE TRULY VERTICAL.  
 WELDING OF RAIL POST TO HORIZONTAL MEMBERS AND BASE PLATES SHALL BE CONTINUOUS WELDS ALL AROUND.  
 RAIL POSTS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WELDED AND SEAMLESS STEEL PIPE AS IN 155 WITH MINIMUM YIELD POINT OF 50,000 P.S.I.  
 HANDRAIL SHALL BE GIVEN ONE SHOP COAT OF RED LEAD AND 2 FIELD COATS OF ALUMINUM PAINT. SEE SPECIFICATIONS.  
 SHIM PLATES FOR RAIL POSTS: FURNISH SHIMS CONSISTING OF ONE 1/8" SHIM AND TWO 1/16" SHIMS AT 50% OF RAIL POSTS ON SUPERSTRUCTURE AND ALL POSTS ON KINGWALLS FOR VERTICAL ADJUSTMENT OF POSTS.  
 SIZE OF SHIM PLATES, LEAD PLATES AND SPACING OF HOLES SHALL BE SAME AS FOR BASE PLATES OF POSTS.



HANDRAIL DETAIL

HANDRAIL DETAILS  
 GRADE SEPARATION  
 CROSS ROAD  
 OVER F.A.I. ROUTE 80  
 F.A. PROJECT  
 LA SALLE COUNTY  
 STATION 1044+01.05

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS  
 10 SOUTH WABASH AVENUE 536- CHICAGO, ILLINOIS



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
PLOT SCALE = --	DRAWN - NV	REVISED -
PLOT DATE = --	CHECKED - DJD	REVISED -
	DATE -	REVISED -

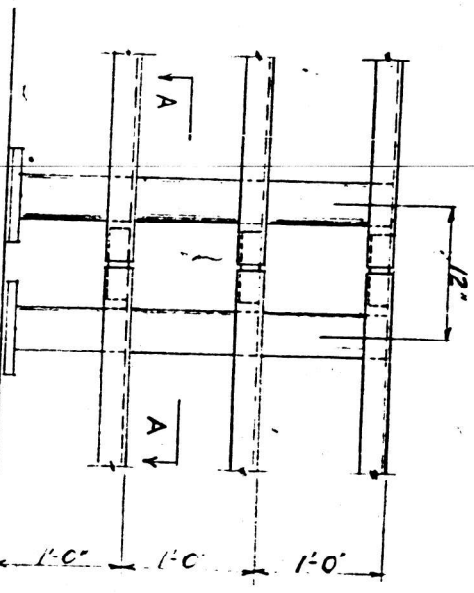
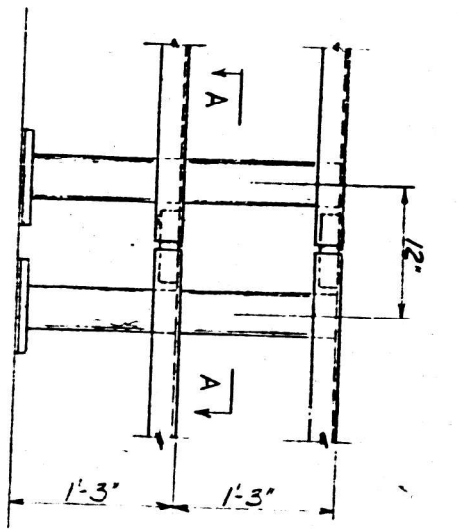
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (FOR INFORMATION ONLY)	
SCALE:	SHEET 8 OF 13 SHEETS STA. TO STA.

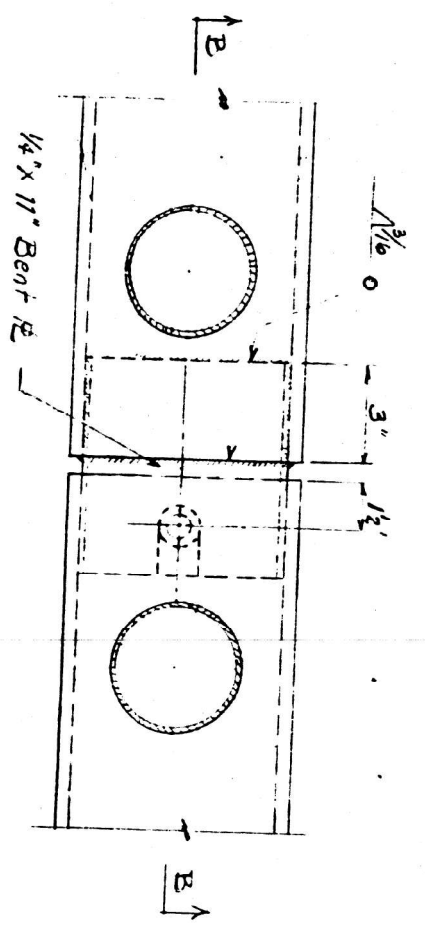
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	36
CONTRACT NO. 66J62			ILLINOIS FED. AID PROJECT	

PANEL NO.	DATE	CHECKED BY	TOTAL SHEETS	SHEET NO.
80	04/18	L. S. HILL	56	50A

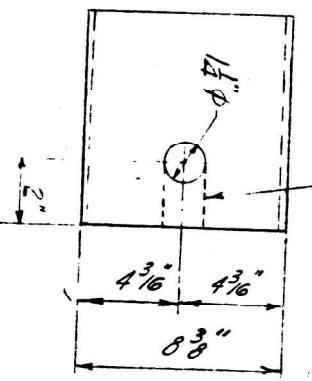
SHEET 0A OF 12



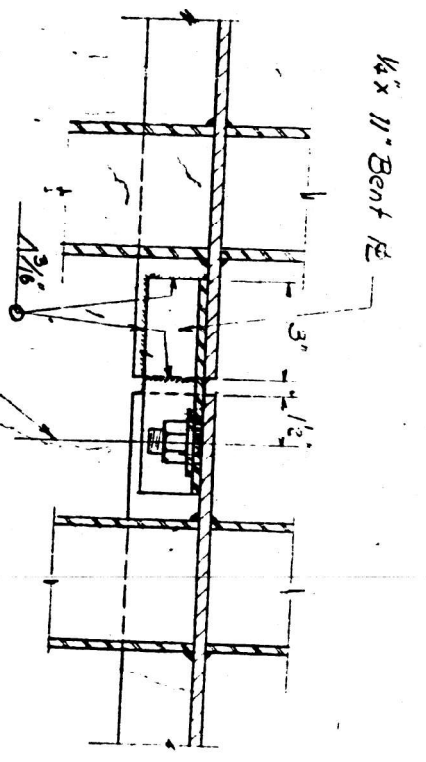
TYPICAL ELEVATION  
@ PANEL JOINTS



SECTION A-A'

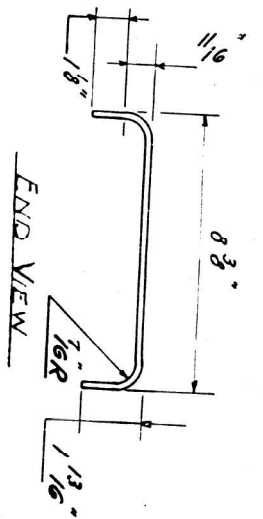


Use 1 1/4" punched hole at all panel joints. Use open slot at all expansion joints.



SECTION B-B'

3/4" x 1 1/2" GRANULAR OR SOLID FLUX FILLED STUD. THREADED FULL LENGTH - AUTOMATICALLY END WELDED OR 3/4" x 1 1/2" FULLY THREADED STUD WELDED WITH 1/8" CFW. PROVIDE WASHER AND LOCKNUT.



DETAIL 1/4" BENT RAIL

CONNECTION DETAILS  
FOR BENT PLATE  
RAIL PANELS.

Nov. 10, 1959  
M. J. CHAMLIN  
DESIGNED BY  
DRAWN BY  
CHECKED BY  
DATE

REV. 1/1-30-59 12-1-59

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	37
CONTRACT NO. 66J62				

EXISTING BRIDGE PLANS  
(FOR INFORMATION ONLY)

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
PLOT SCALE = --	DRAWN - NV	REVISED -
PLOT DATE = --	CHECKED - DJD	REVISED -
	DATE -	REVISED -



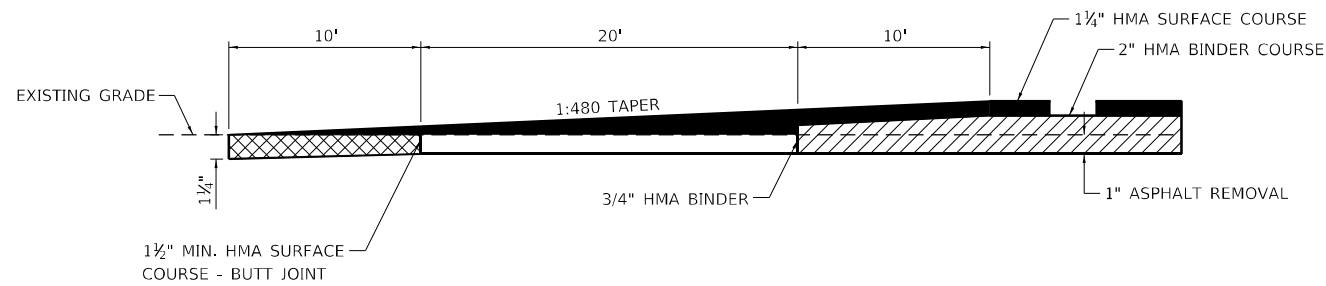




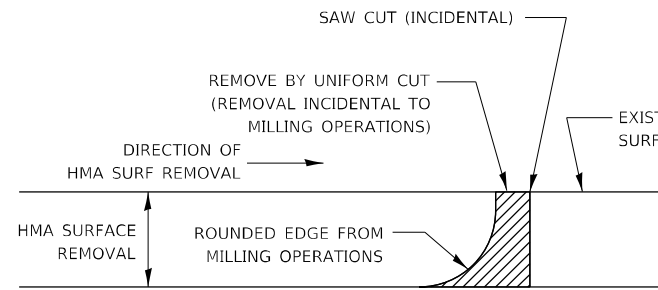






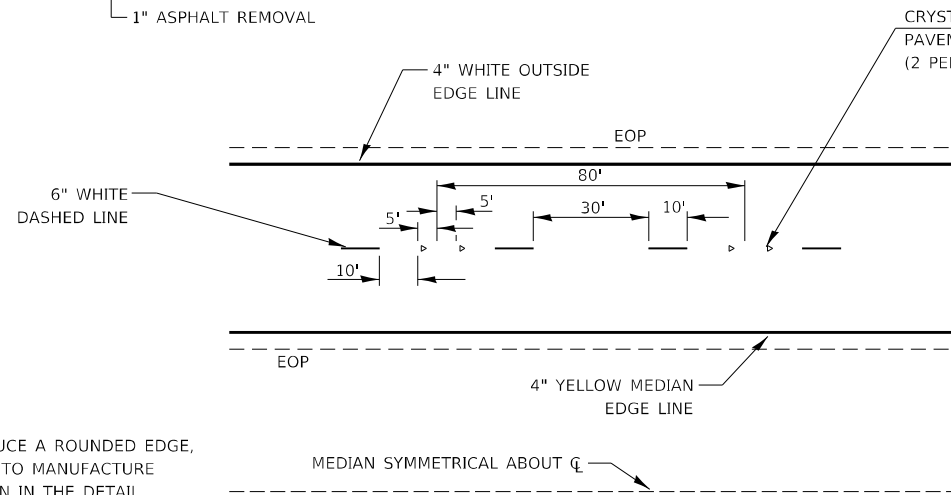


**BUTT JOINT DETAIL**

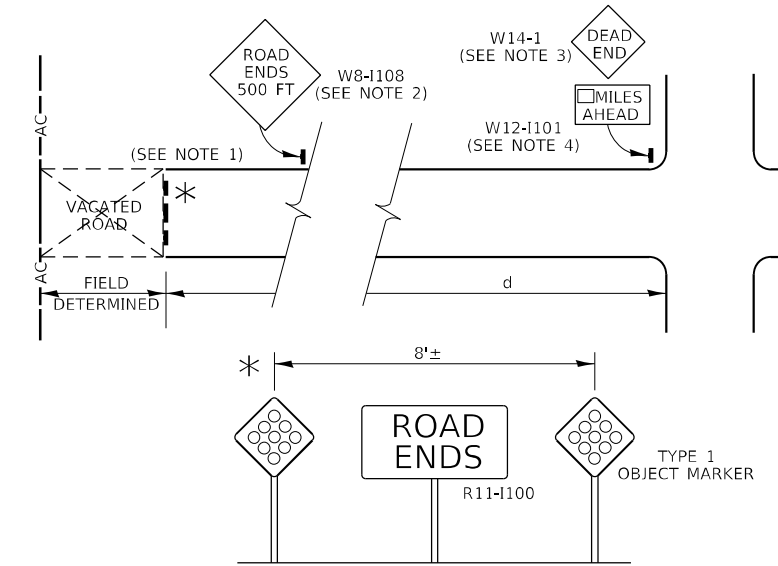


**HMA DETAIL AT BUTT JOINTS**

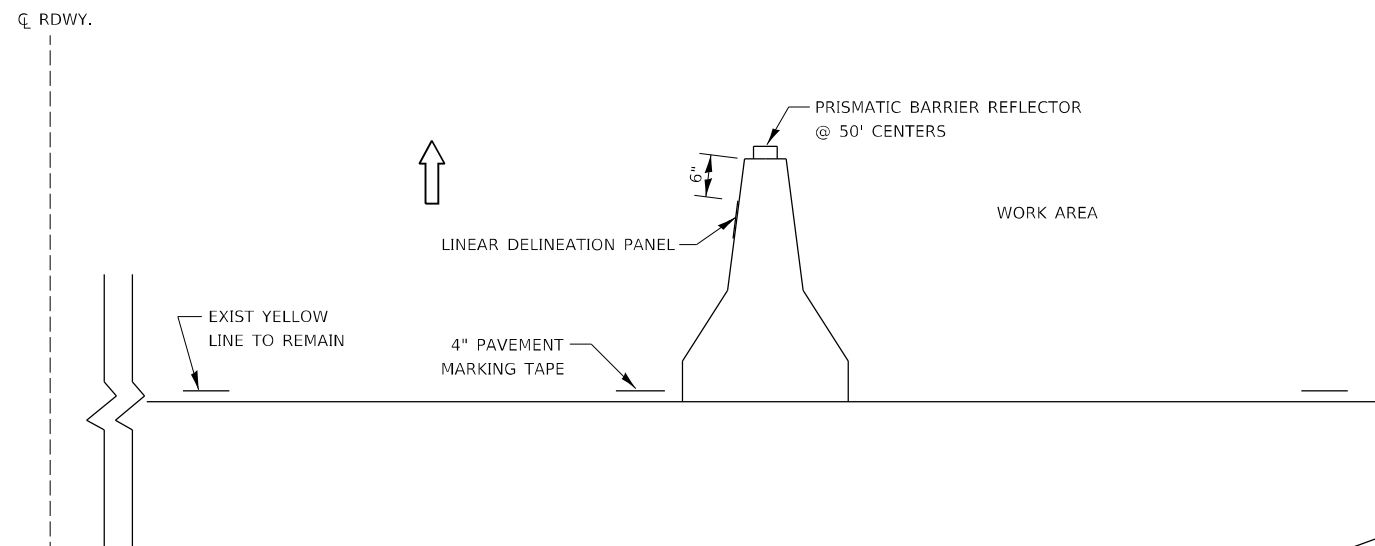
NOTE:  
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.



**TYPICAL PAVEMENT MARKINGS**

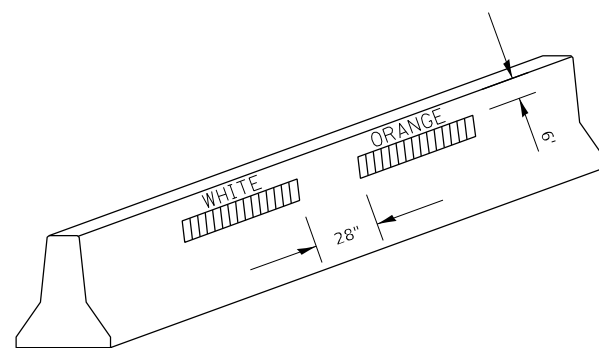


**LOW VOLUME ROAD CLOSURE**

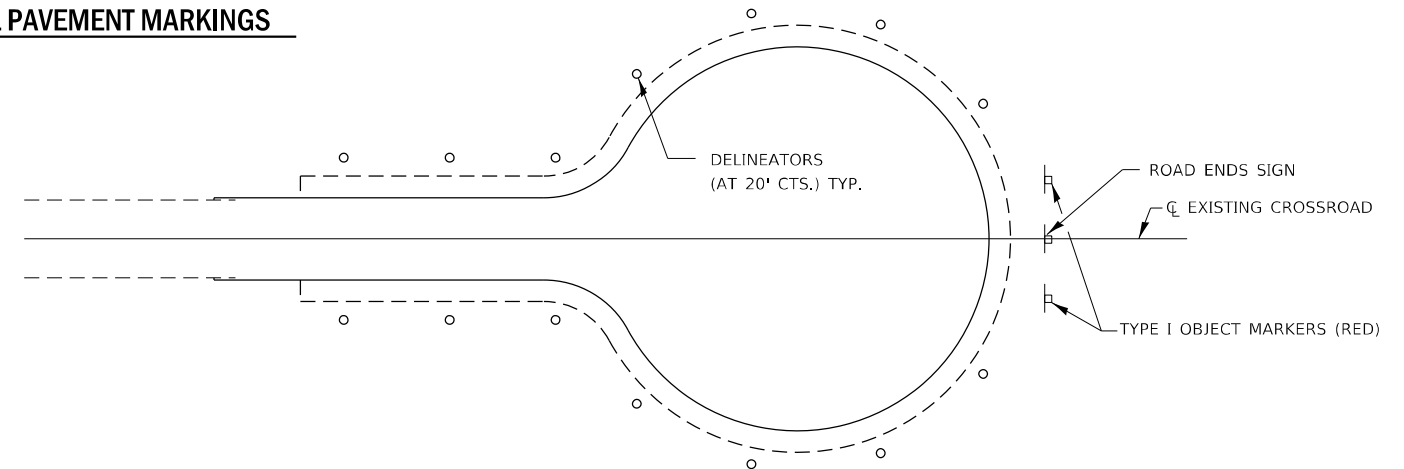


NOTES:

1. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
2. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.



**TRAFFIC CONTROL DETAIL  
FOR TEMPORARY CONCRETE BARRIER**



**TRAFFIC CONTROL  
TYPICAL CUL-DE-SAC**

NOTES:

1. OLD PAVEMENT SHOULD BE REMOVED TO SOME DISTANCE BEYOND THE CLOSURE POINT OR COVERED WITH DIRT TO MINIMIZE THE ILLUSION OF THE ROAD CONTINUING AND TO PROVIDE A REASONABLE SAFE RECOVERY AREA. THE MARKERS FOR THE END OF ROADWAY SHALL CONFORM WITH SECTION 3C-4 OF THE MUTC.
2. USE WHERE "d" EXCEEDS 1,500 FEET OR WHERE SIGHT DISTANCE TO THE CLOSURE IS LESS THAN 500 FEET.
3. THE DEAD END SIGN (W14-1) SHALL BE USED IN ALL CASES EXCEPT WHERE THE CLOSURE POINT IS VISIBLE FROM THE CROSSROAD.
4. WHERE THE POINT OF CLOSURE IS OVER 1 MILE FROM THE LAST CROSSROAD, A MILES AHEAD PLATE (W12-1101) SHALL BE USED.

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MODEL: Default  
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USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
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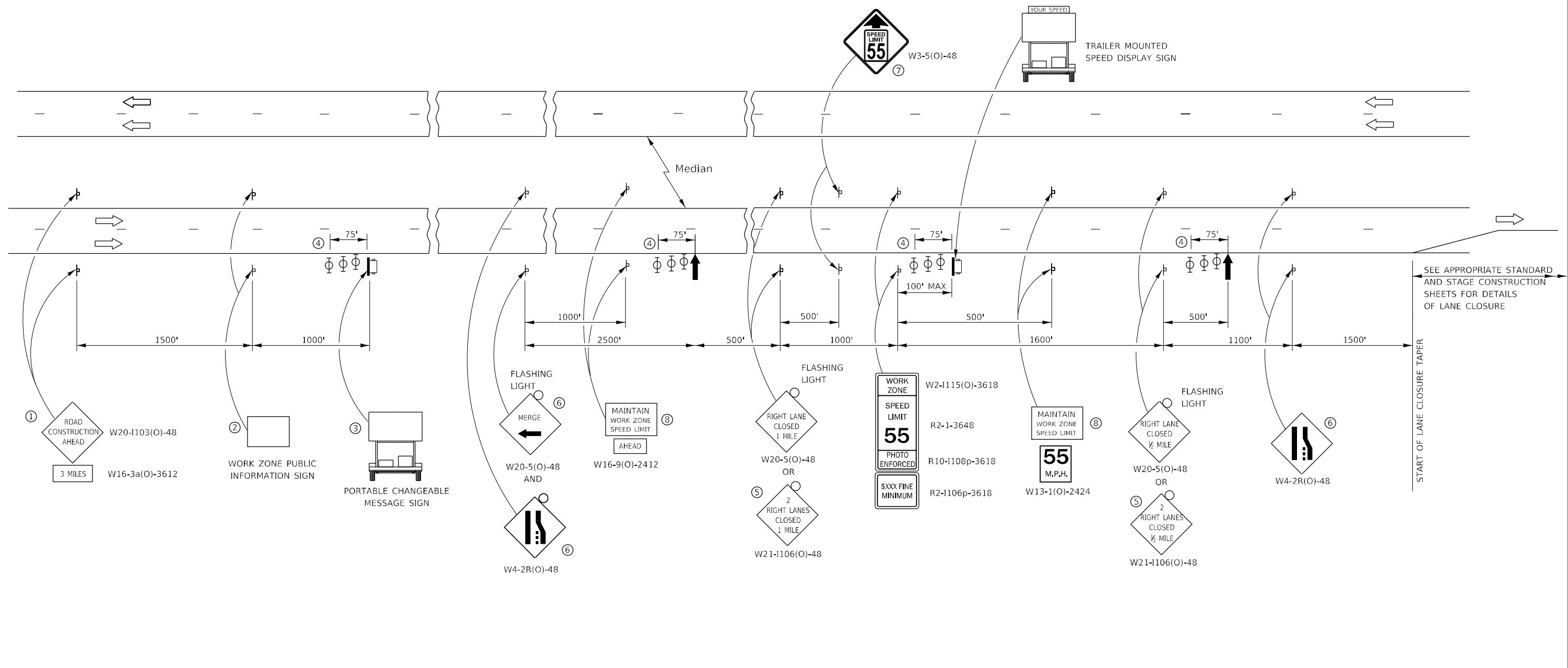
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	42
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

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- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:  
 "RIGHT LANE CLOSED" / " x MILES AHEAD"  
 "LEFT LANE CLOSED" / " x MILES AHEAD"  
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

- ⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.  
 48"  
 36" MAINTAIN WORK ZONE SPEED LIMIT 8"  
 6"  
 6"
- ↑ ARROW BOARD  
 PORTABLE CHANGEABLE MESSAGE SIGN  
 SIGN  
 TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

**GENERAL NOTE:**

THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

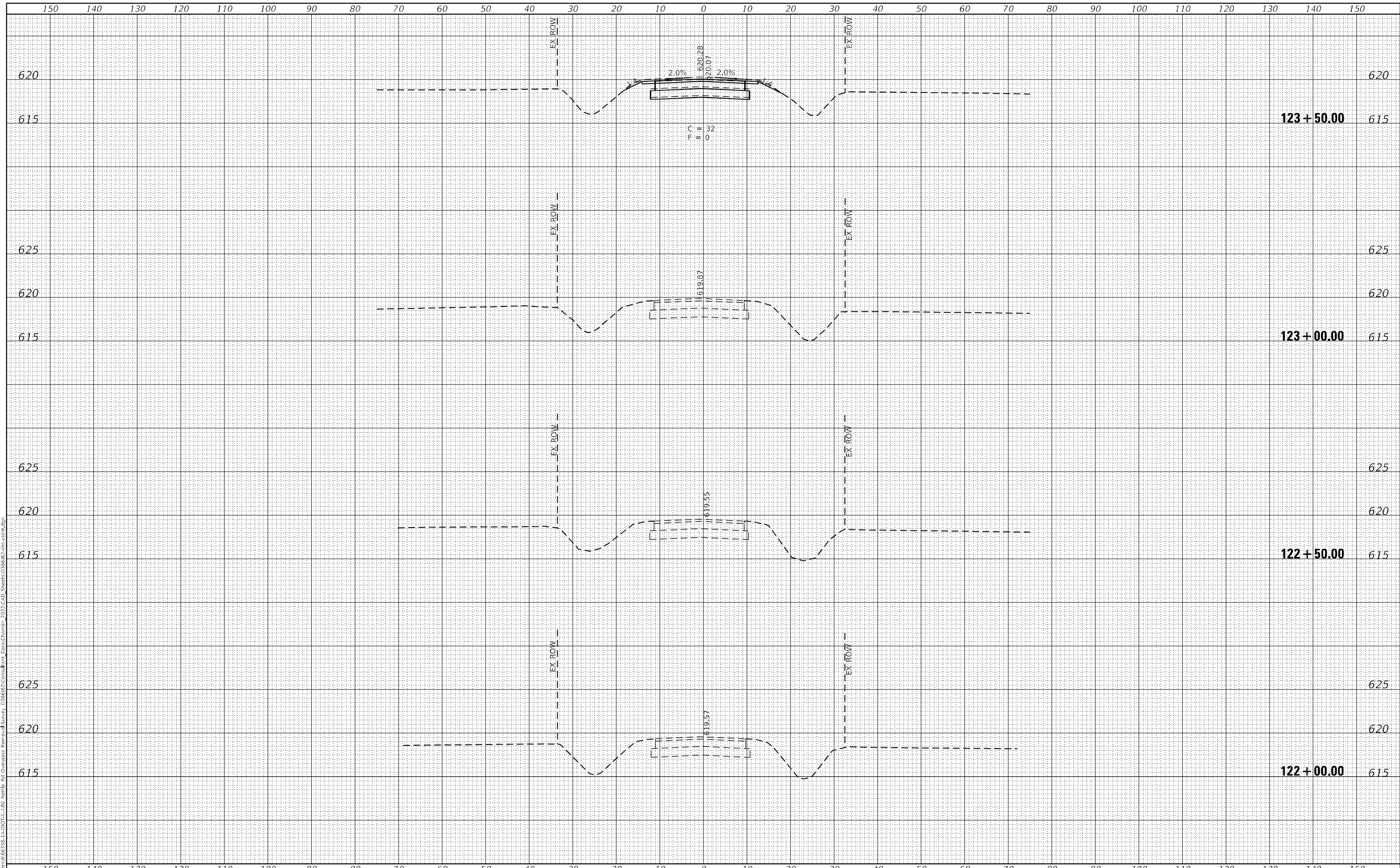
<b>DETAILS STANDARD 701400 (SPECIAL)</b>			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	43
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
 CROSS SECTIONS**

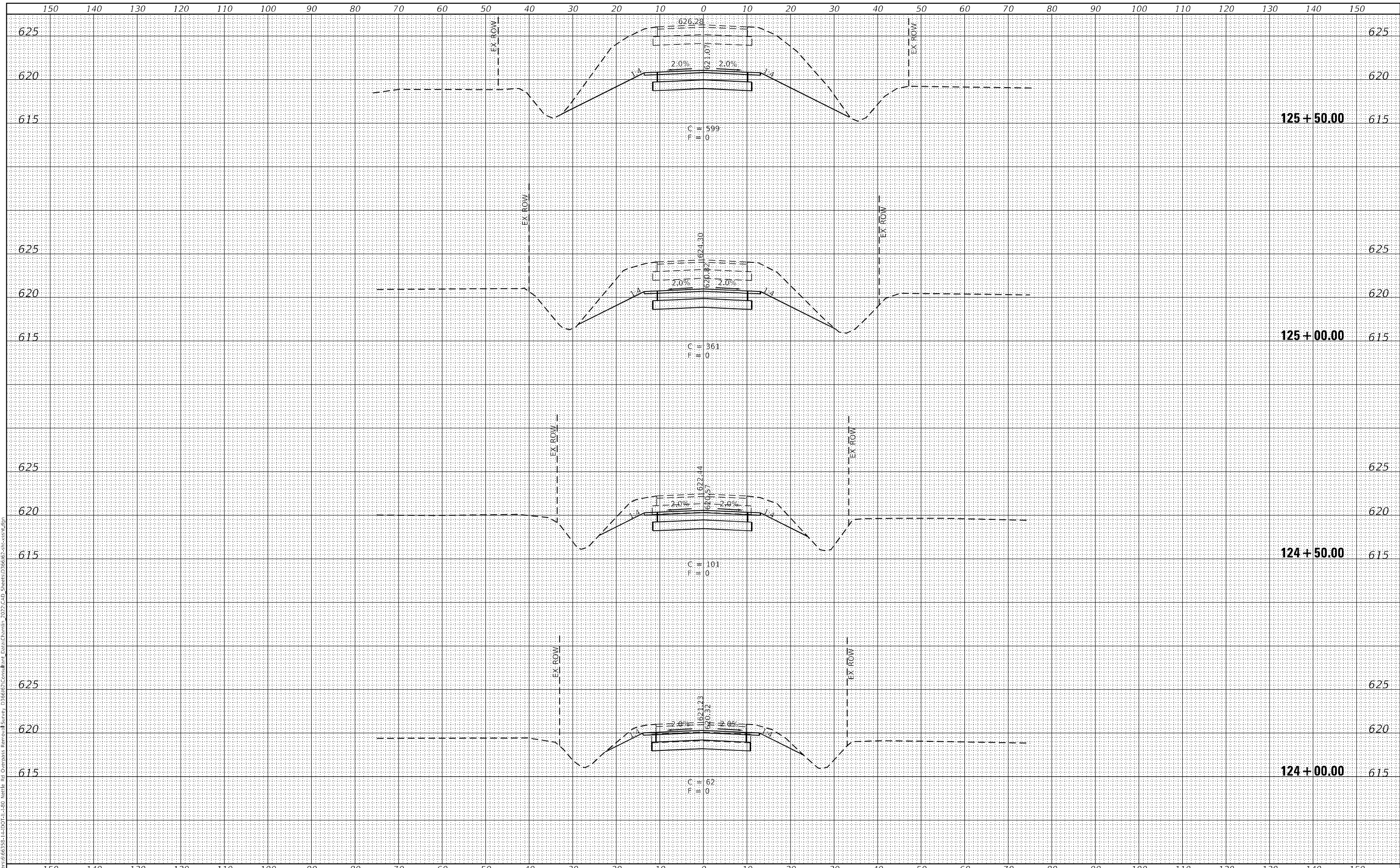
SCALE: SHEET OF 9 SHEETS STA. 122+00.00 TO STA. 123+50.00

F.A.I. RTE. 80	SECTION (32-1HB)BR	COUNTY GRUNDY	TOTAL SHEETS 52	SHEET NO. 44
			CONTRACT NO. 66J62	
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
CROSS SECTIONS**

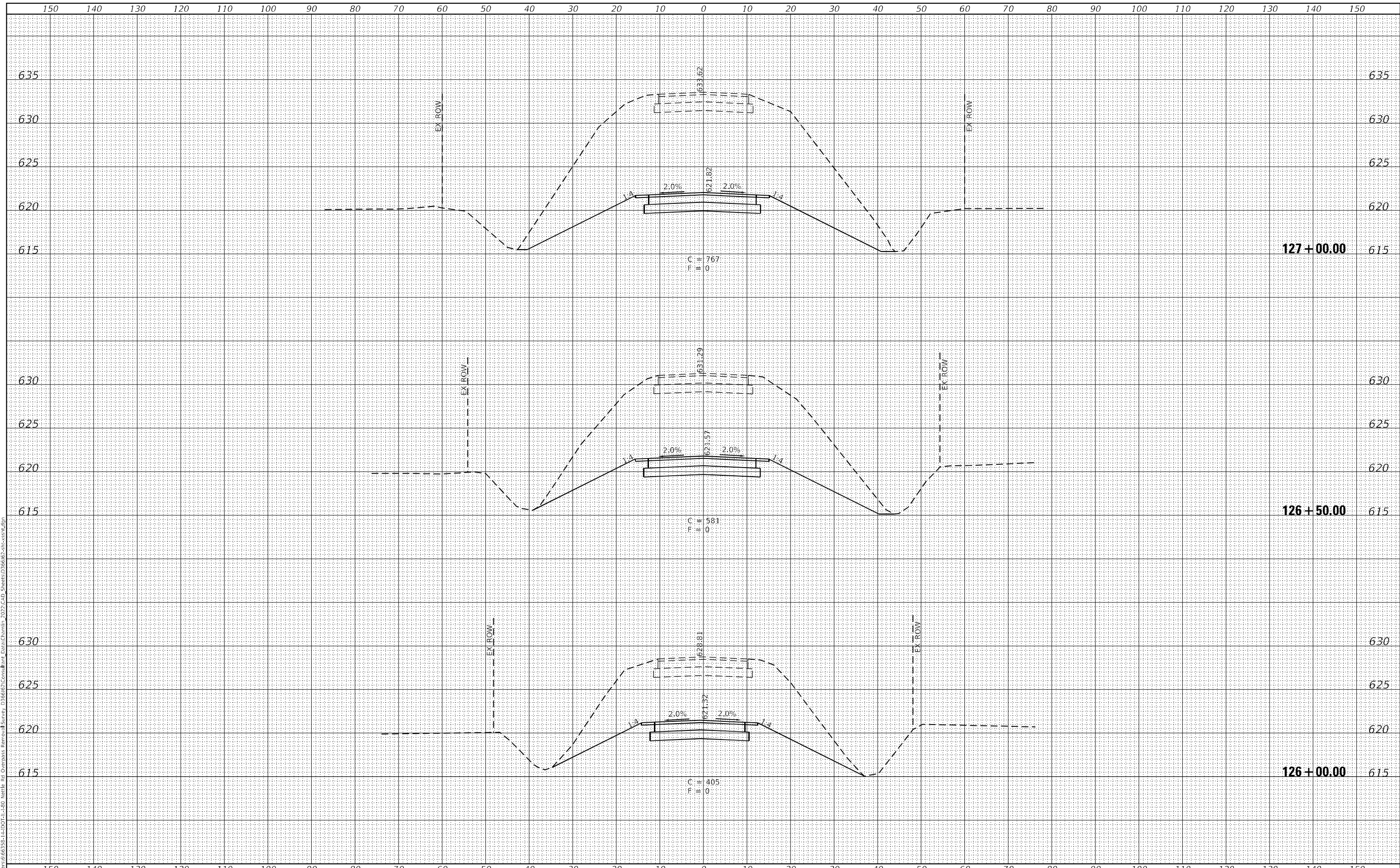
SCALE: SHEET OF 9 SHEETS STA. 124+00.00 TO STA. 125+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	45
			CONTRACT NO. 66J62	
		ILLINOIS	FED. AID PROJECT	

DATE	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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USER NAME = CHAMLIN	DESIGNED - DJD	REVISED -
	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
 CROSS SECTIONS**

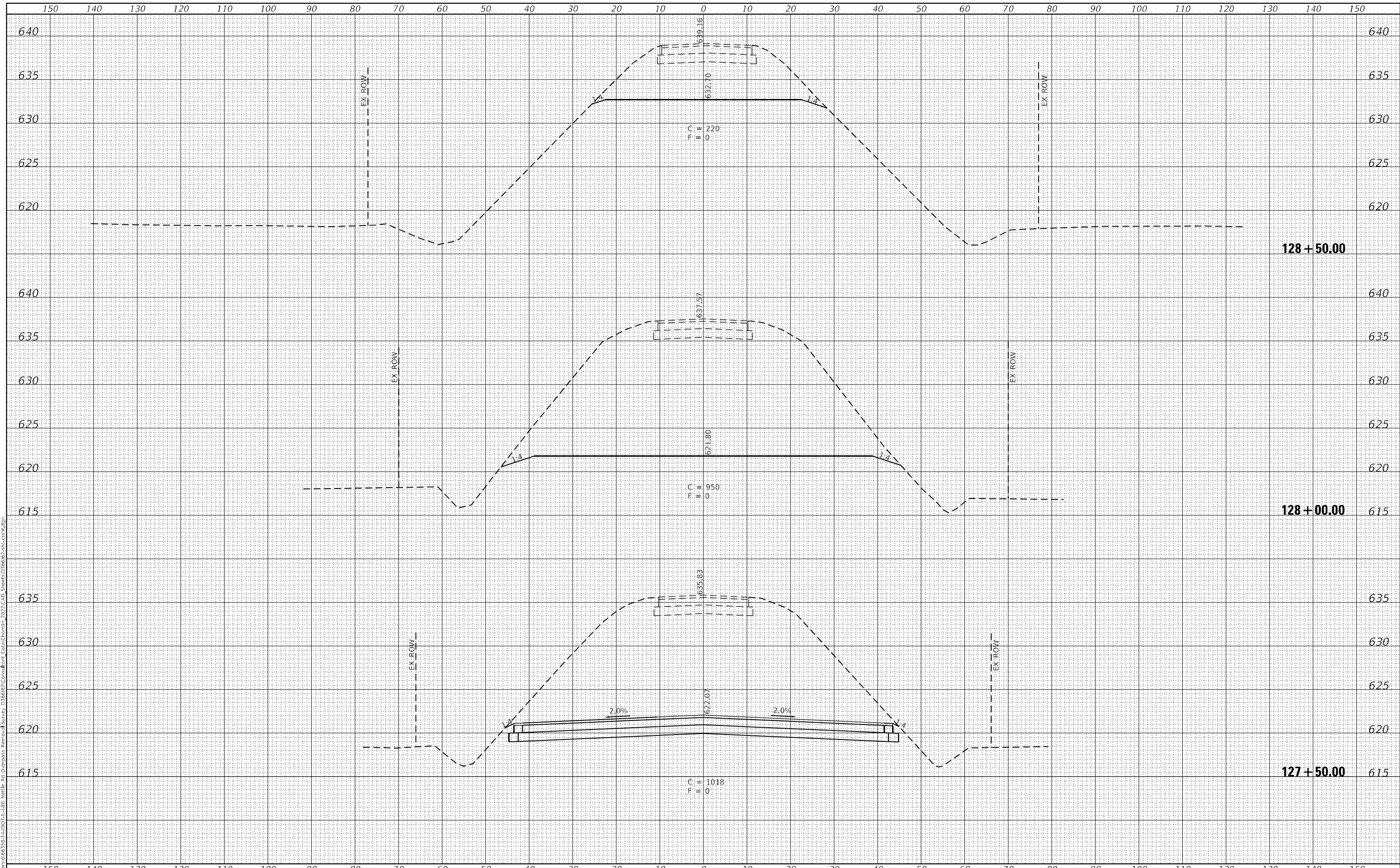
SCALE: SHEET OF 9 SHEETS STA. 126+00.00 TO STA. 127+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	46
			CONTRACT NO. 66J62	
		ILLINOIS	FED. AID PROJECT	

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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USER NAME = CHAMLIN  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
 CROSS SECTIONS**

SCALE: SHEET OF 9 SHEETS STA. 127+50.00 TO STA. 128+50.00

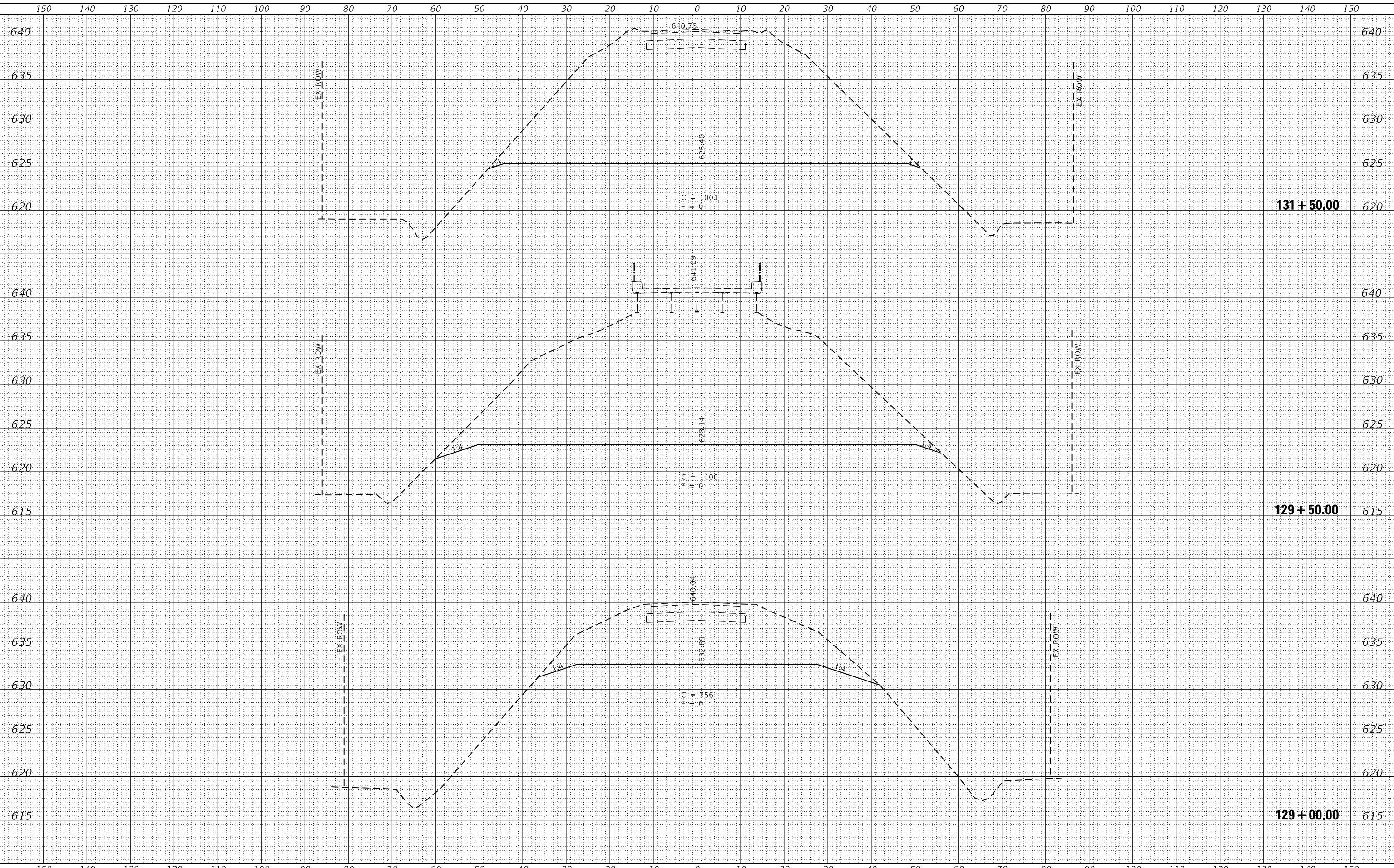
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	47
CONTRACT NO. 66J62				
ILLINOIS FED. AID PROJECT				



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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
 CROSS SECTIONS**

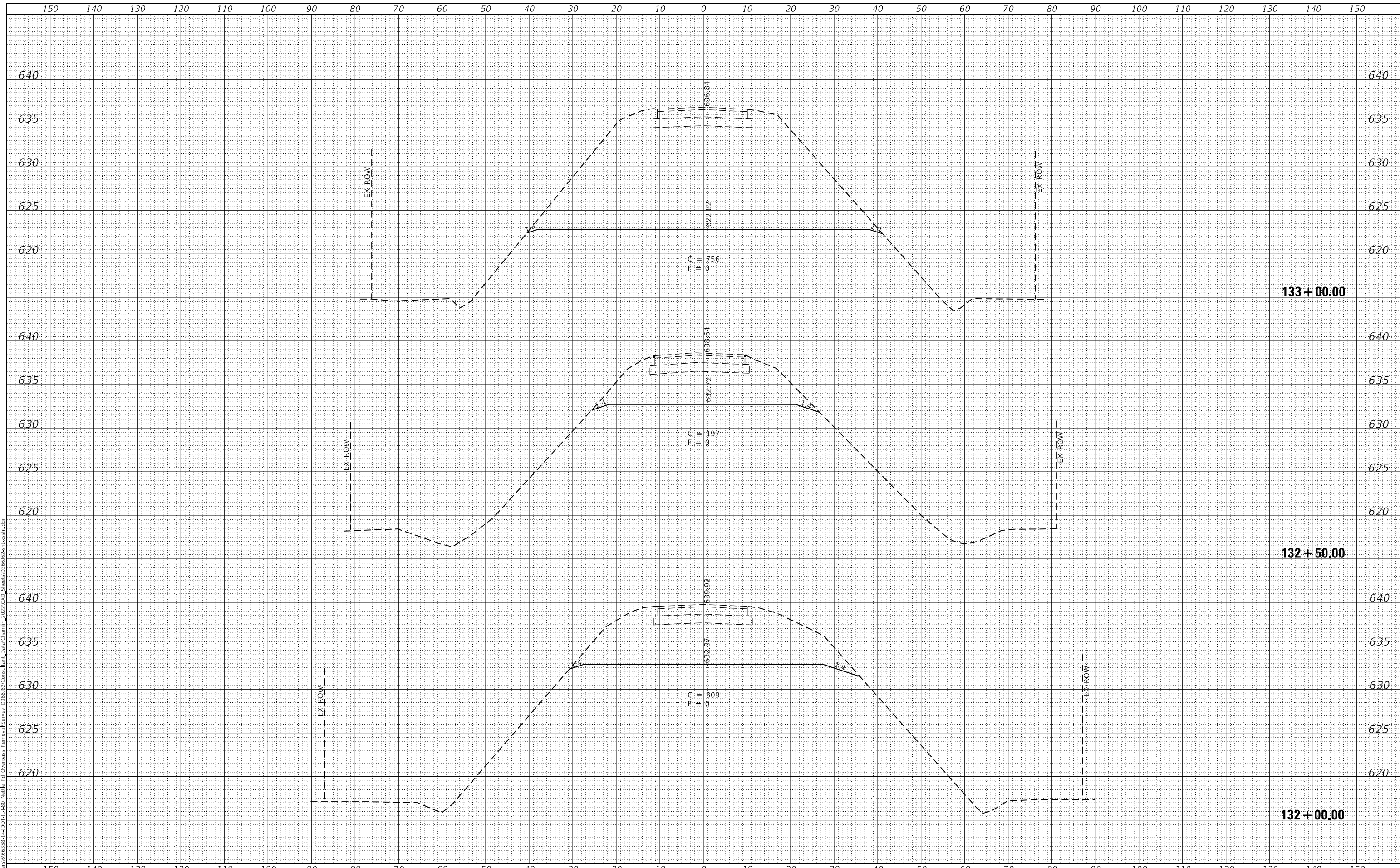
SCALE: SHEET OF 9 SHEETS STA. 129+00.00 TO STA. 131+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	48
			CONTRACT NO. 66J62	
		ILLINOIS	FED. AID PROJECT	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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PLOT DATE = --	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
 CROSS SECTIONS**

SCALE: SHEET OF 9 SHEETS STA. 132+00.00 TO STA. 133+00.00

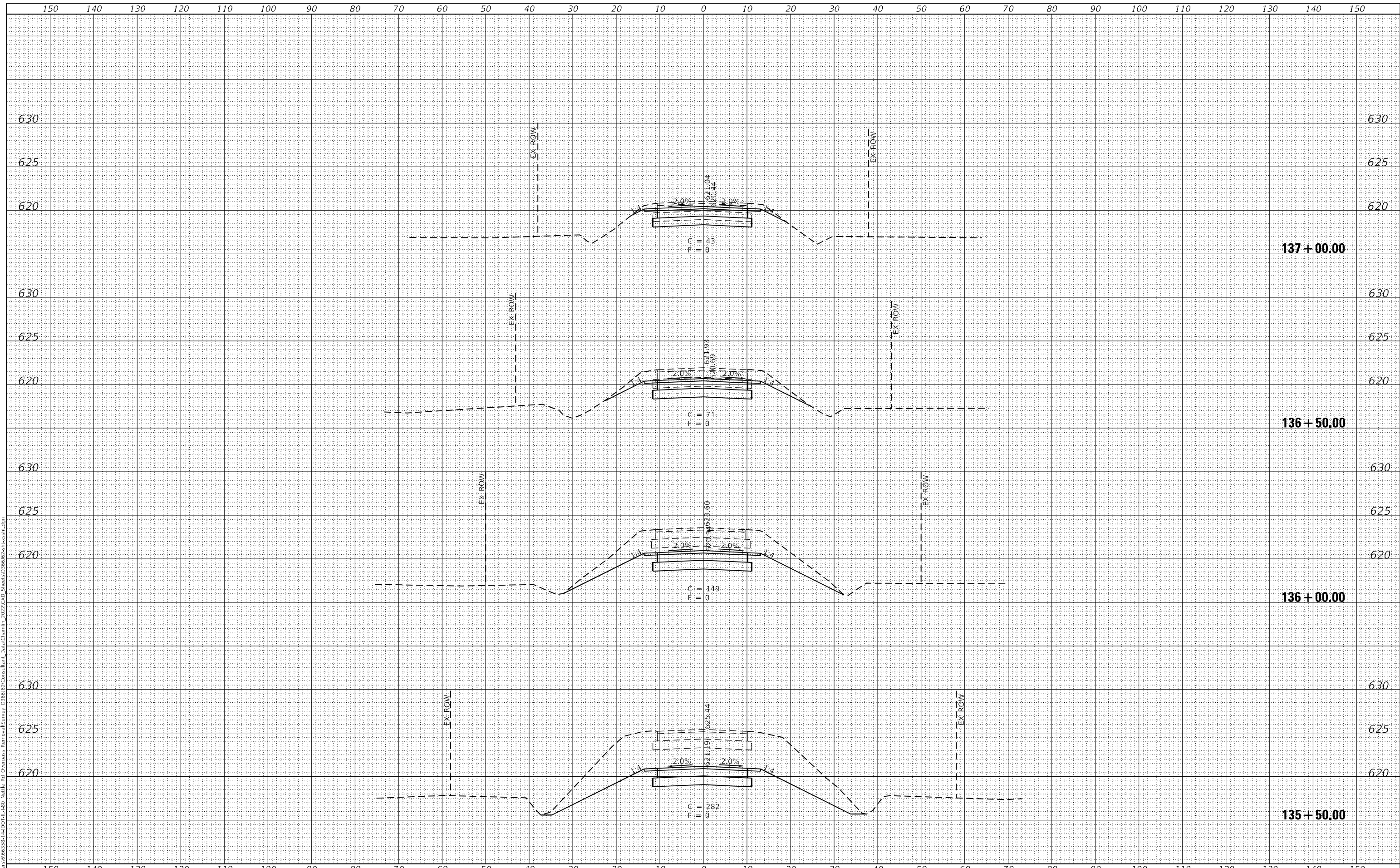
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB)BR	GRUNDY	52	49
				CONTRACT NO. 66J62
				ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	DRAWN - NV	REVISED -
PLOT SCALE = --	CHECKED - DJD	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**N NETTLE CREEK ROAD  
CROSS SECTIONS**

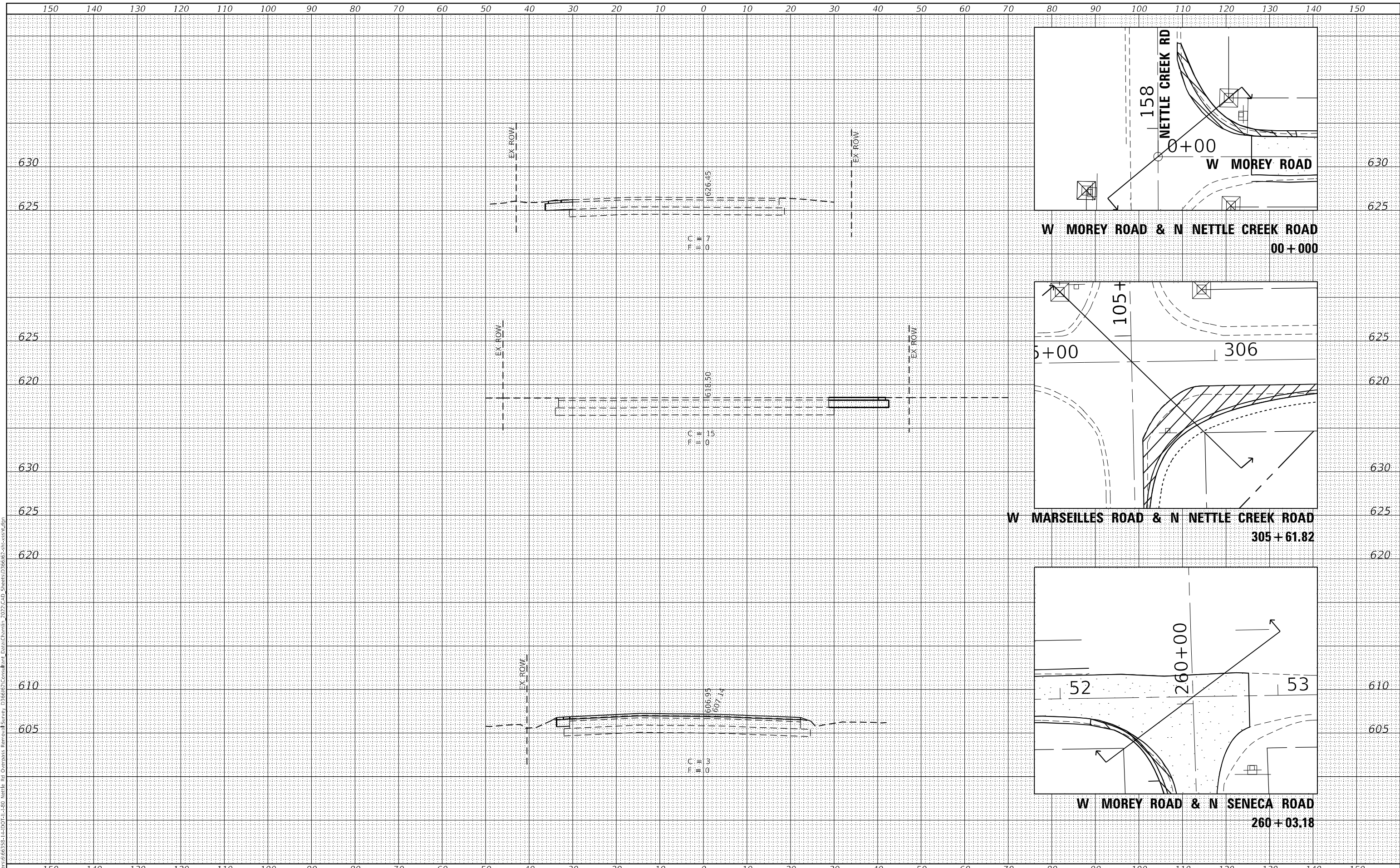
SCALE: SHEET OF 9 SHEETS STA. 135+50.00 TO STA. 137+00.00

F.A.I. RTE. 80	SECTION (32-1HB)BR	COUNTY GRUNDY	TOTAL SHEETS 52	SHEET NO. 51
			CONTRACT NO. 66J62	
ILLINOIS FED. AID PROJECT				

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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USER NAME	= CHAMLIN
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CHECKED	- DJD
DATE	-

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REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION PAVEMENT WIDENING  
 CROSS SECTIONS**

SCALE: SHEET 9 OF 9 SHEETS STA. 135+50.00 TO STA. 137+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32-1HB-1)BR	GRUNDY	52	52
				CONTRACT NO. 66J62
				ILLINOIS FED. AID PROJECT