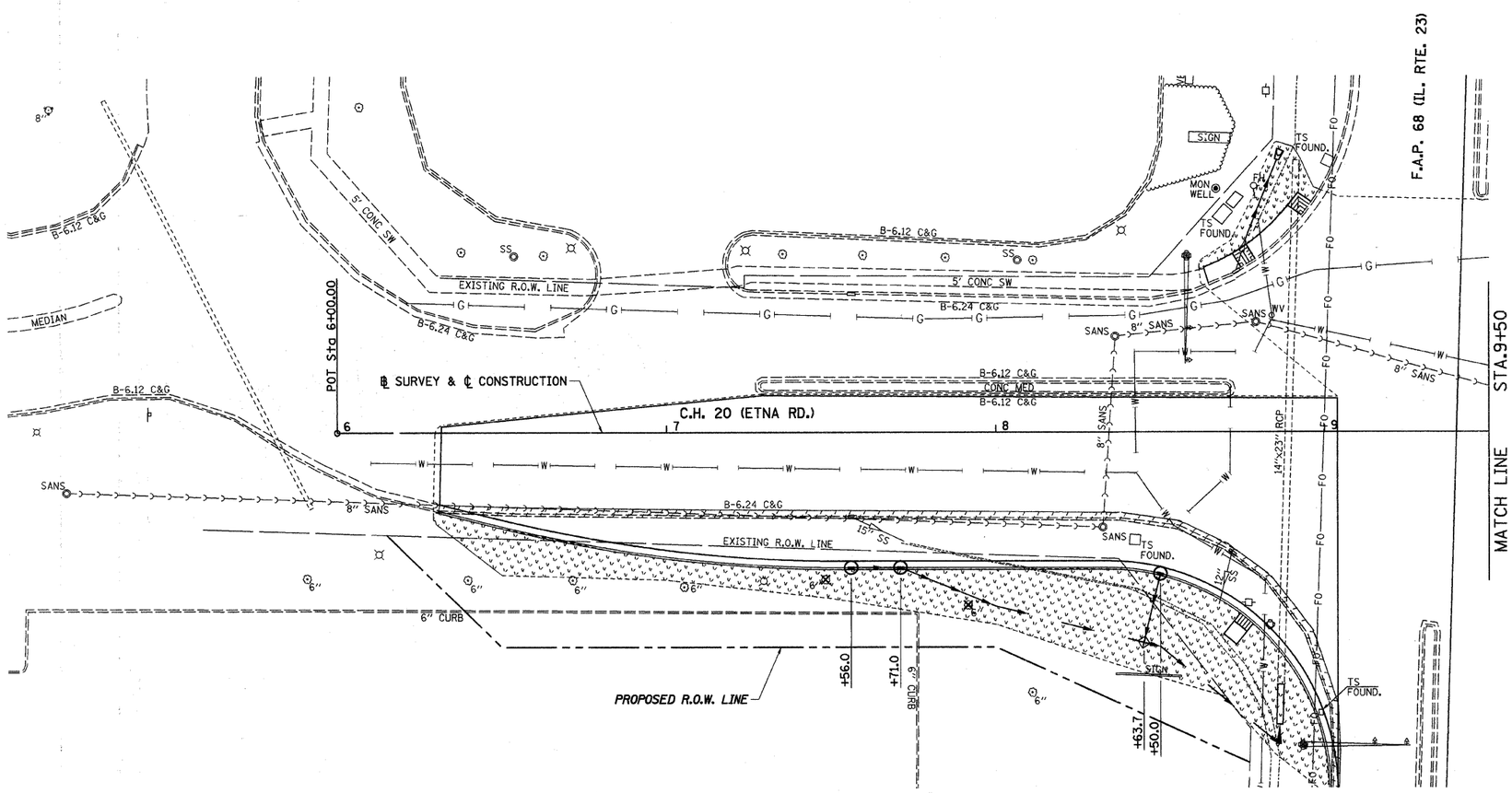
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	101
STA. 6+00	TO STA. 9+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

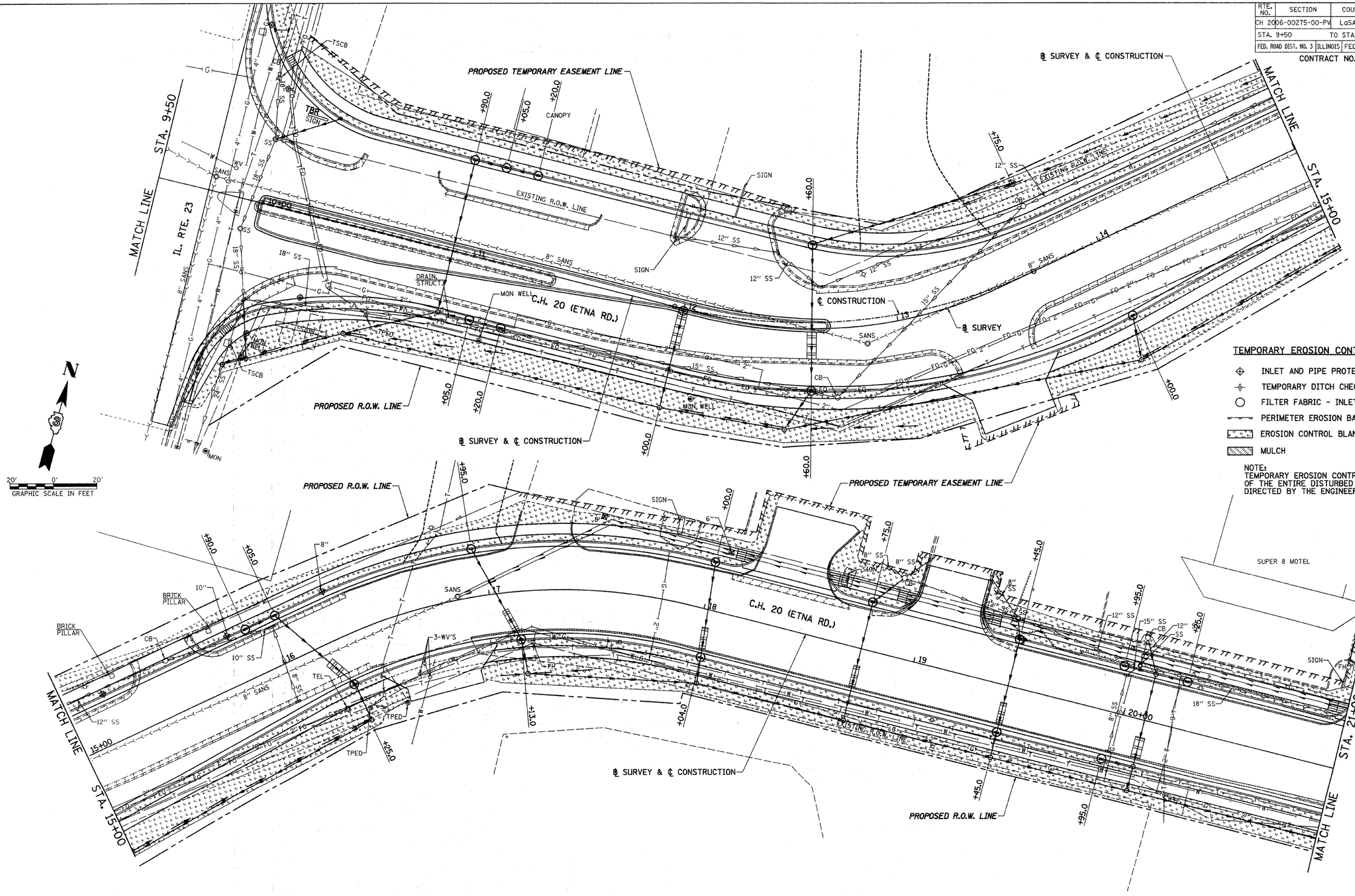
NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

N

20' 0' 20'
GRAPHIC SCALE IN FEET

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	102
STA. 9+50	TO STA. 21+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



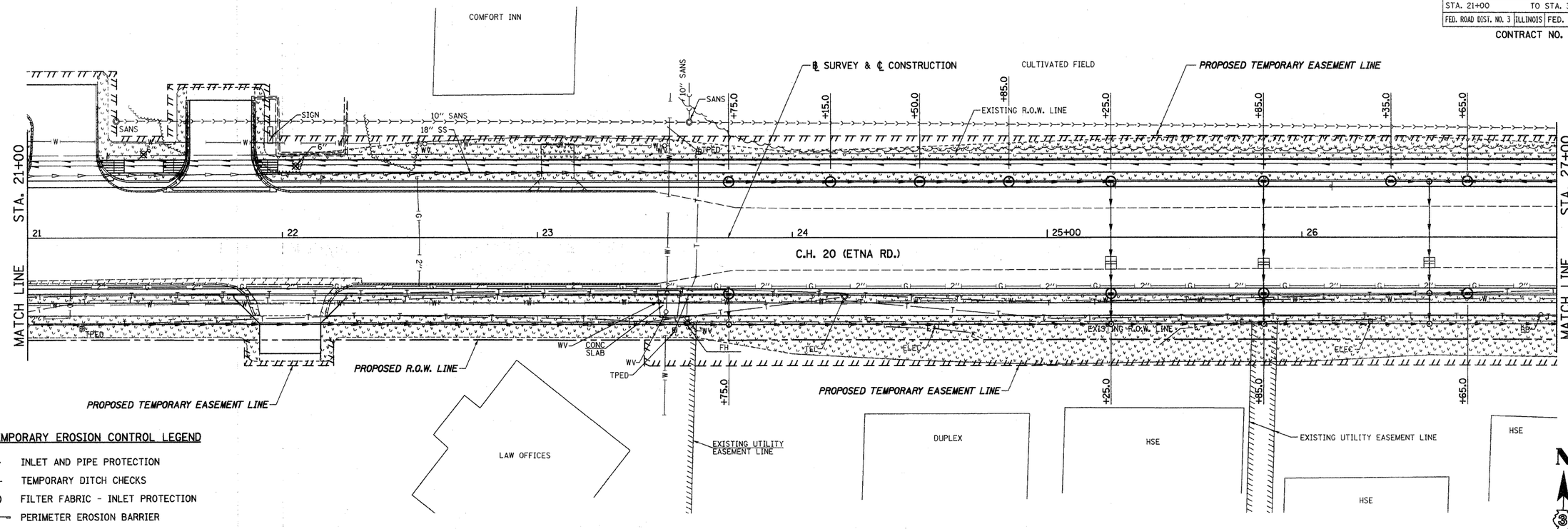
TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	103
STA. 21+00	TO STA. 33+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

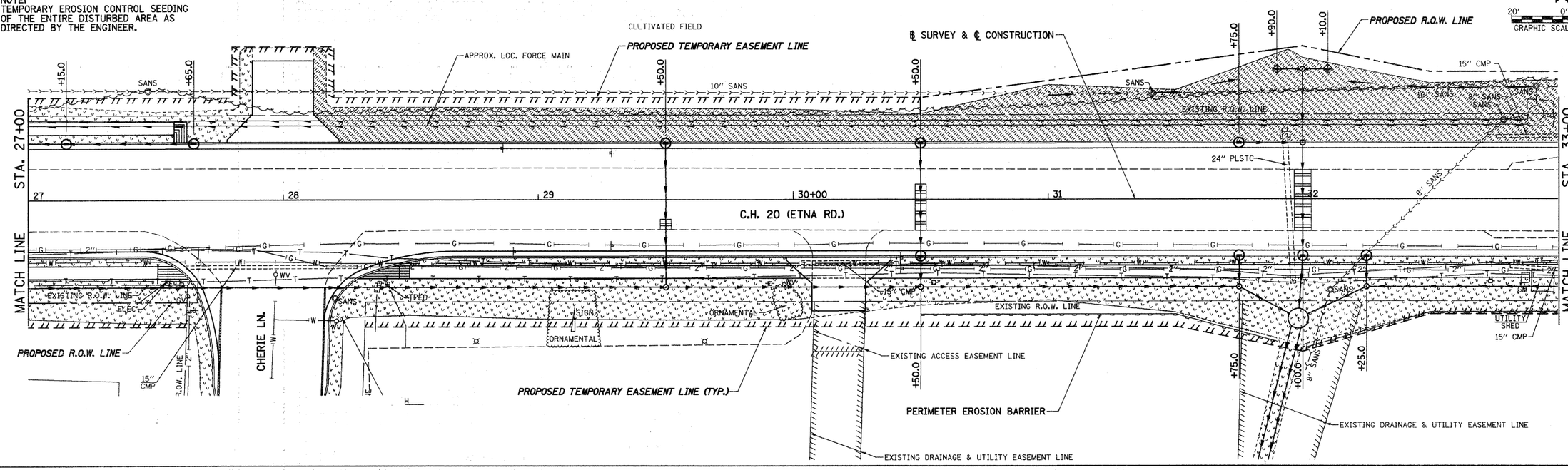
CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.



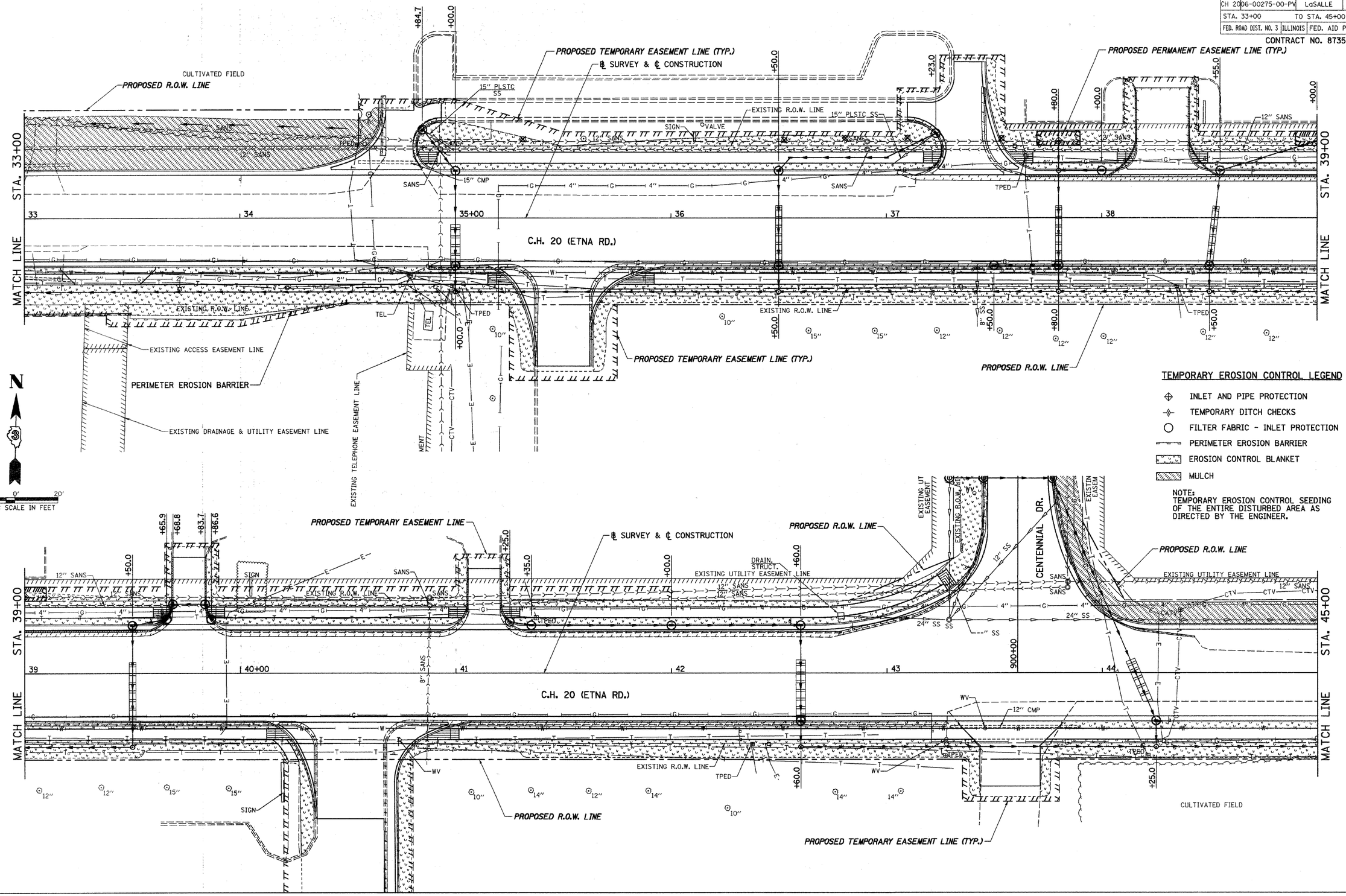
20' 0' 20'
GRAPHIC SCALE IN FEET

2389E002

C.H. 20 (ETNA RD.), EROSION CONTROL PLAN, STA. 21+00 TO STA. 33+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	104
STA. 33+00	TO STA. 45+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

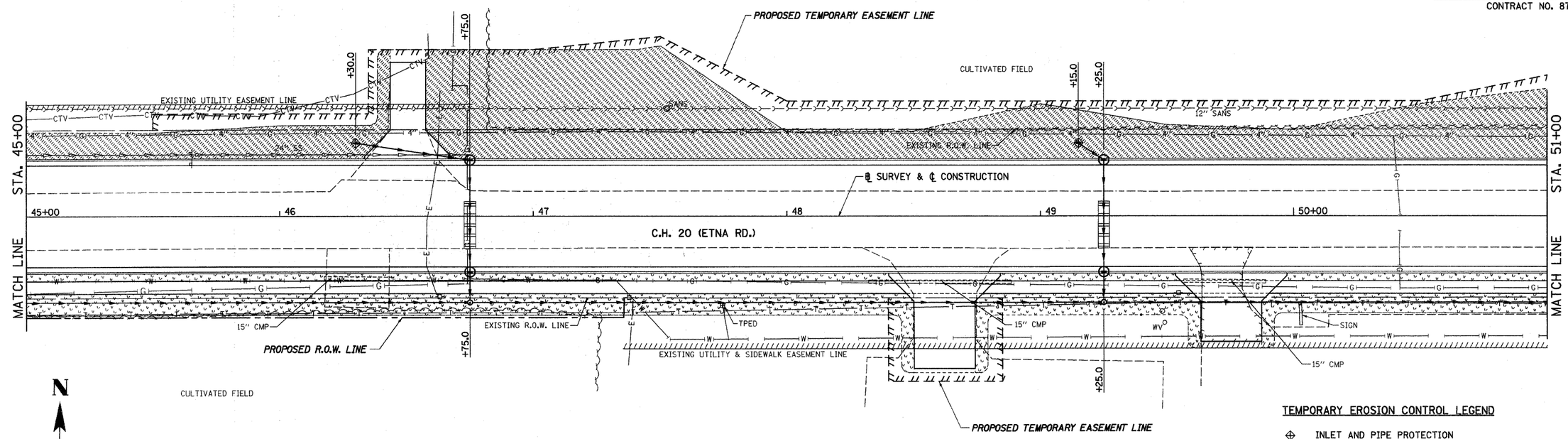
NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

2389E003

C.H. 20 (ETNA RD.), EROSION CONTROL PLAN, STA. 33+00 TO STA. 45+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	105
STA. 45+00	TO STA. 57+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

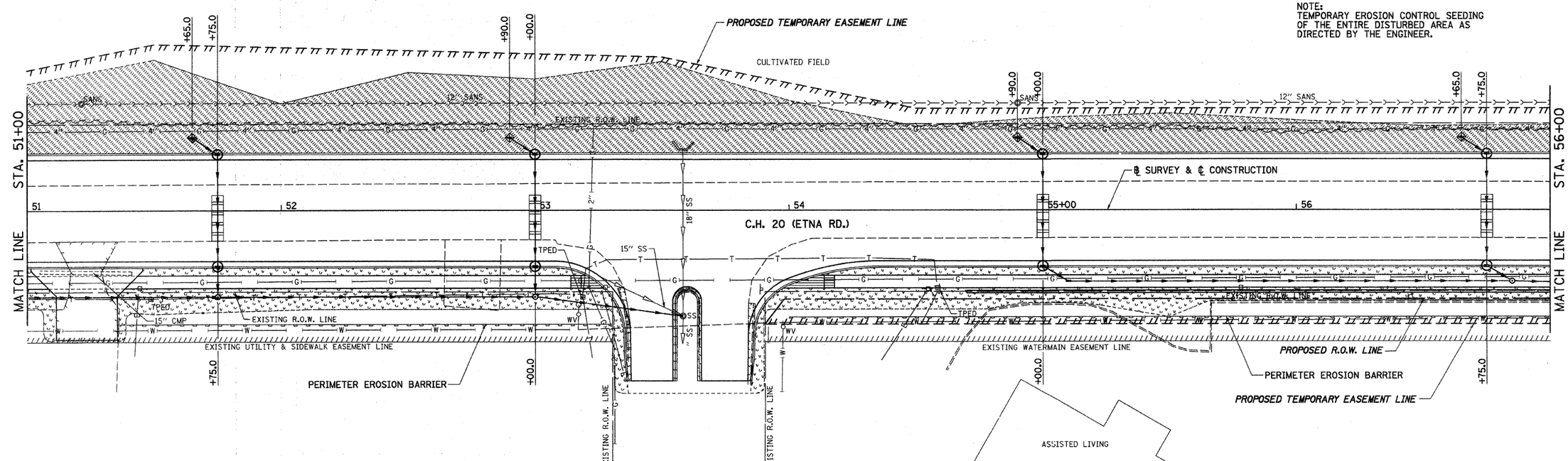
CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

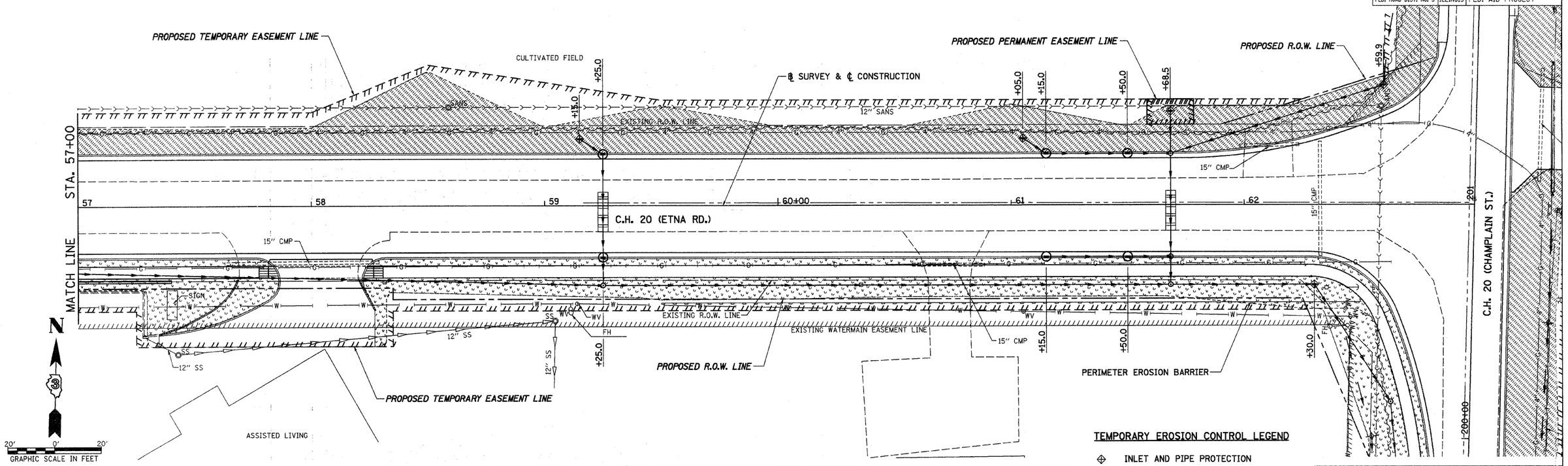
NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.



C.H. 20 (ETNA RD.), EROSION CONTROL PLAN, STA. 45+00 TO STA. 57+00

CONTRACT NO. 87352

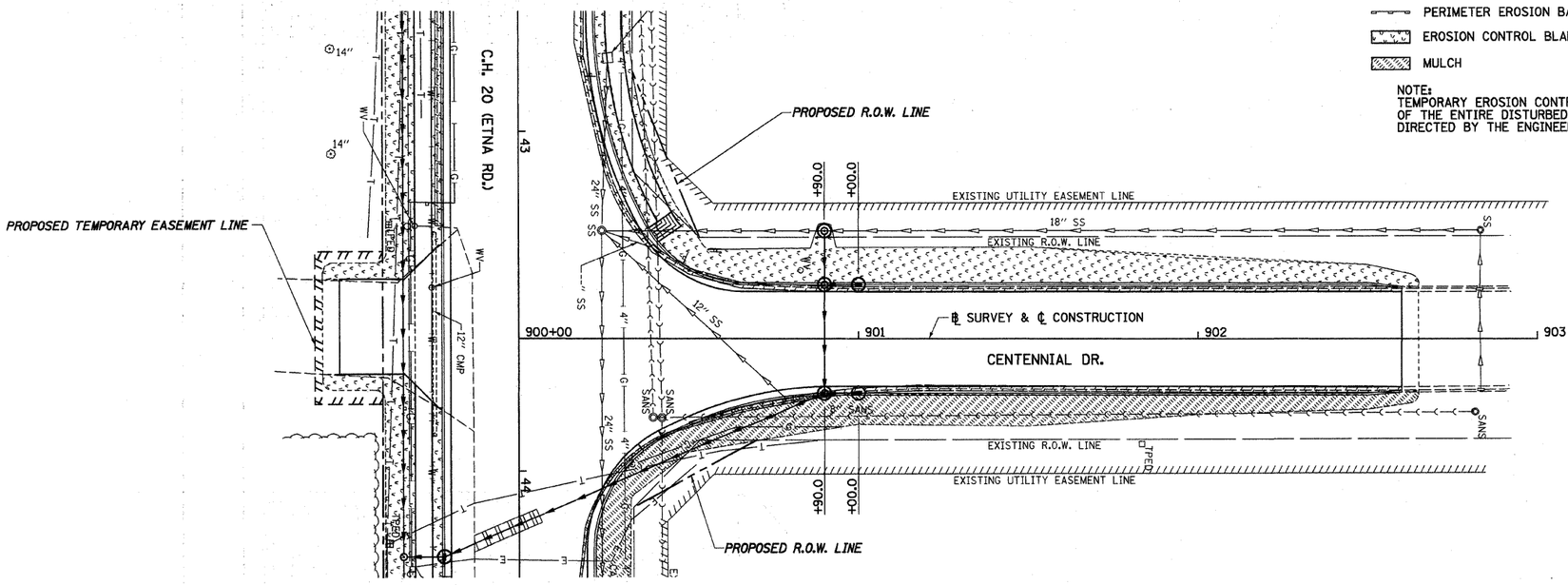
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2	006-00275-00-PV	LaSALLE	218	106
STA. 57+00	TO STA. 62+98.74			
STA. 900+00	TO STA. 903+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

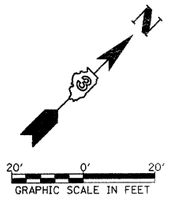


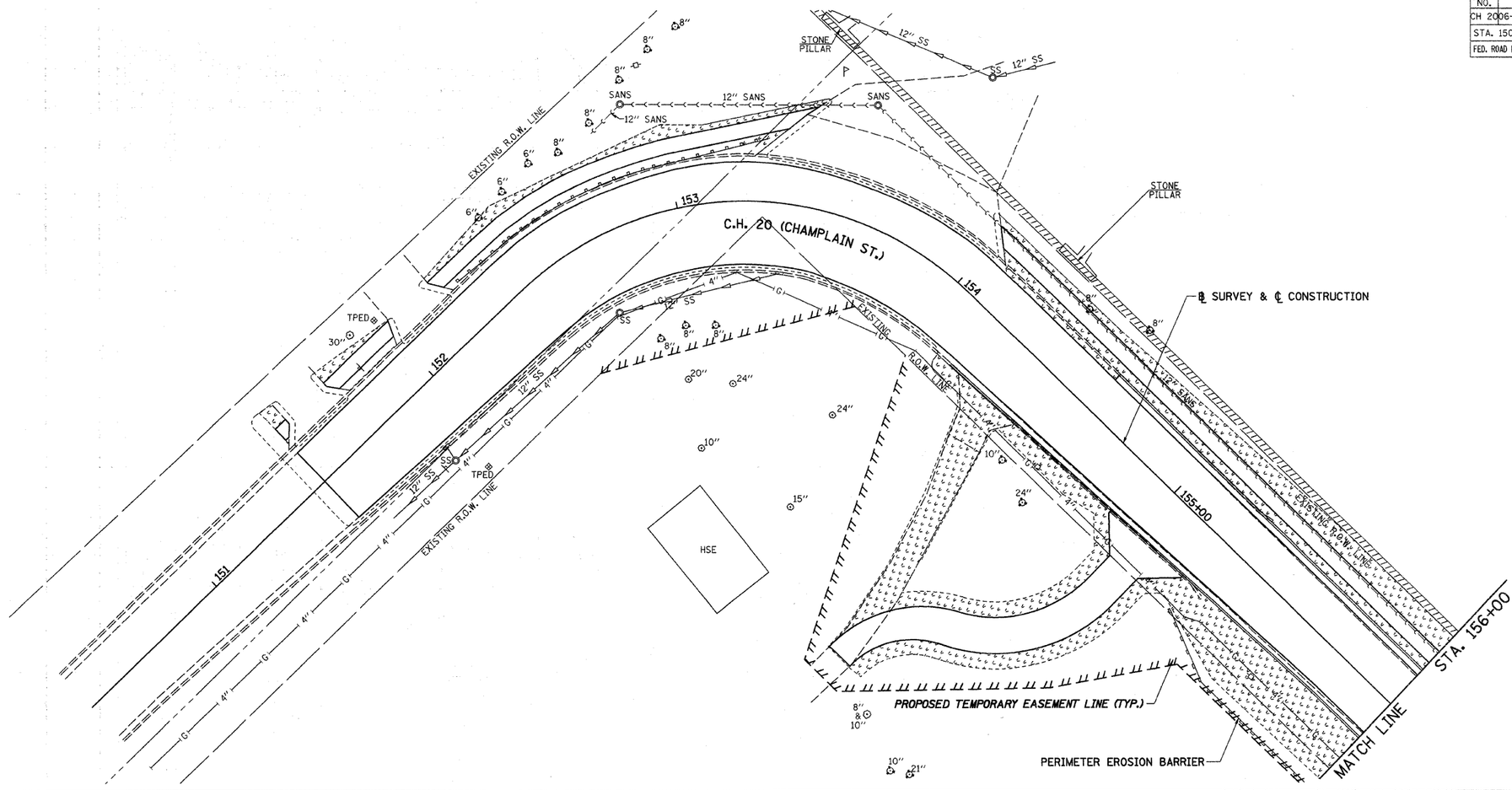
2389E005

C.H. 20 (ETNA RD.) STA. 57+00 TO STA. 62+98.74 & CENTENNIAL DR. STA. 900+00 TO STA. 903+00, EROSION CONTROL PLAN

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	107
STA. 150+49.11	TO STA. 162+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

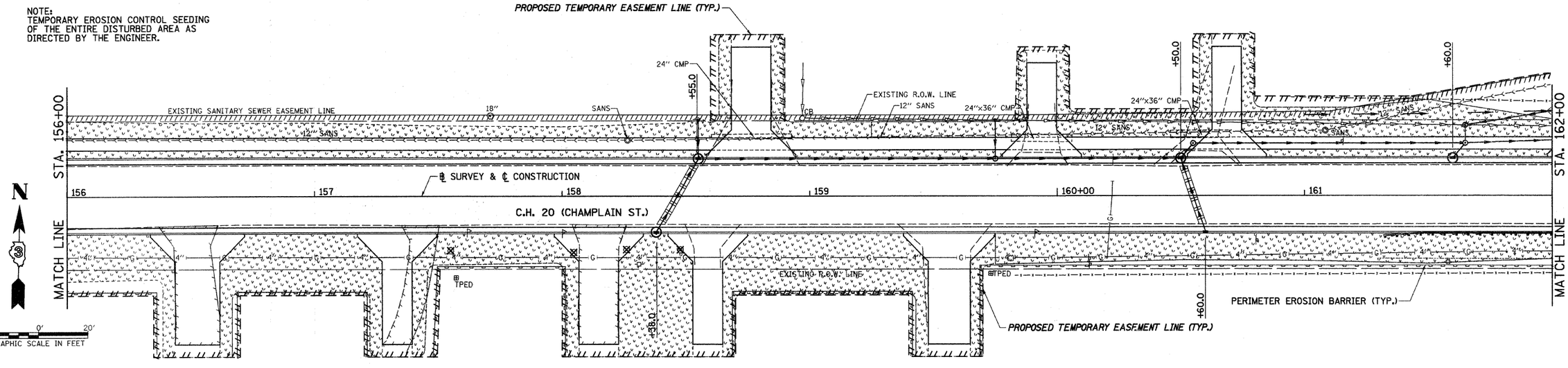




TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

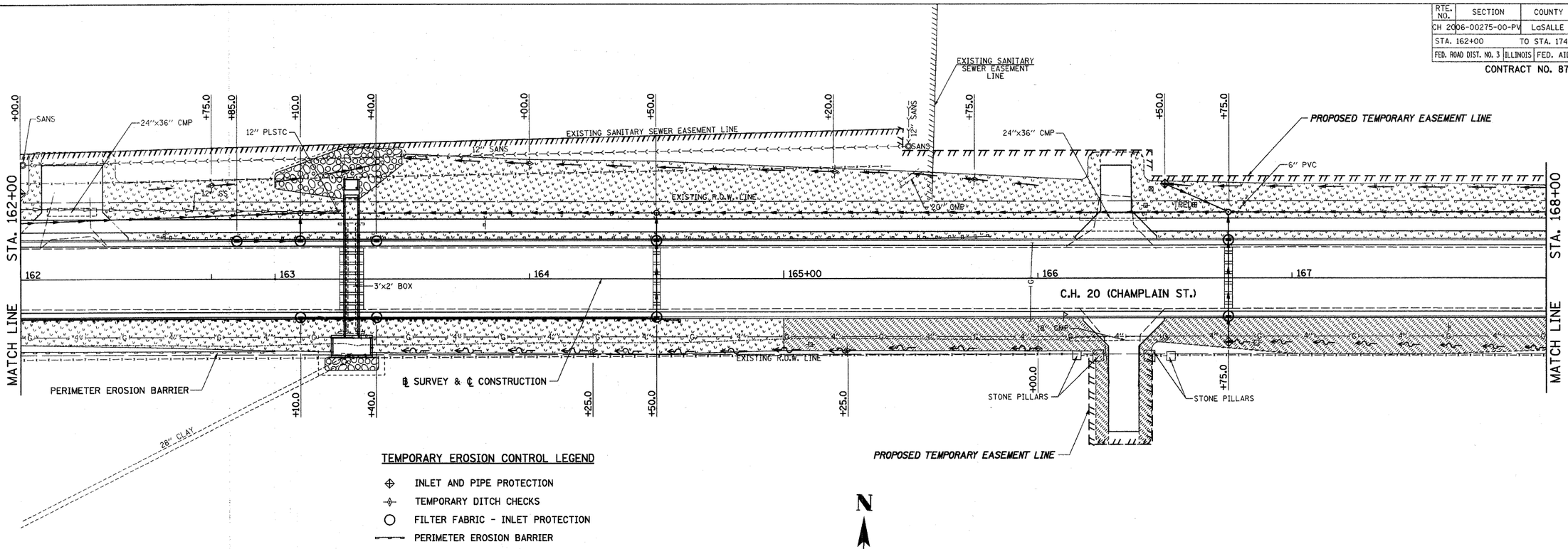


2389E006

C.H. 20 (CHAMPLAIN ST.), EROSION CONTROL PLAN, STA. 150+49.11 TO STA. 162+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	108
STA. 162+00		TO STA. 174+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

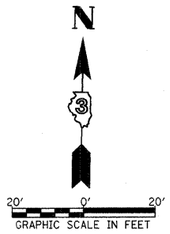
CONTRACT NO. 87352

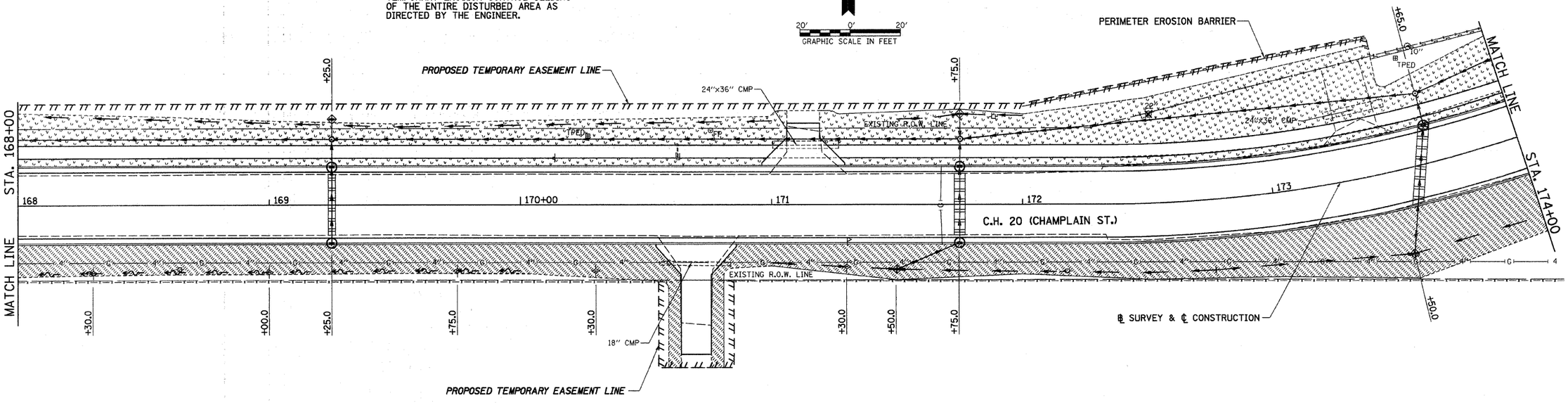


TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

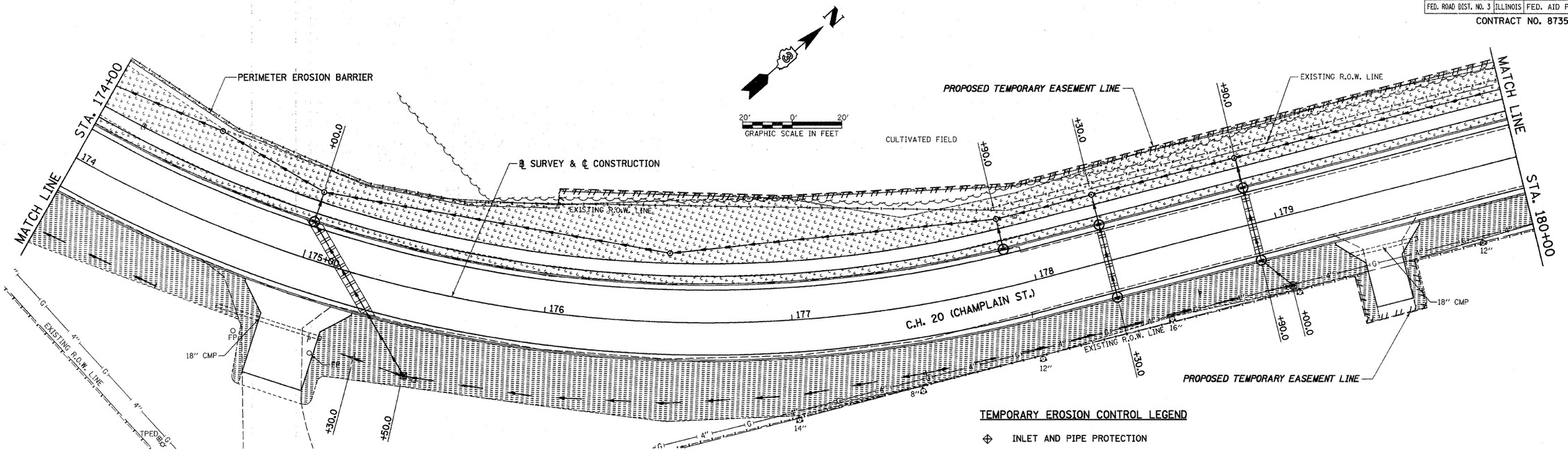




C.H. 20 (CHAMPLAIN ST.), EROSION CONRTOL PLAN, STA. 162+00 TO STA. 174+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	109
STA. 174+00		TO STA. 186+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

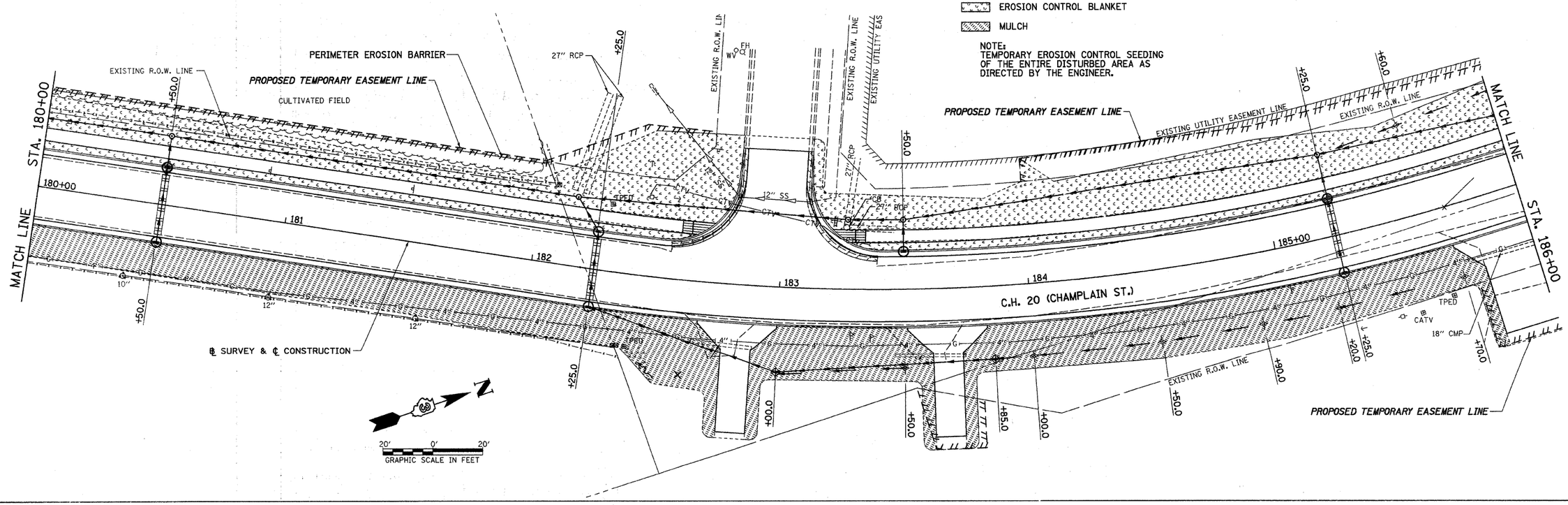
CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

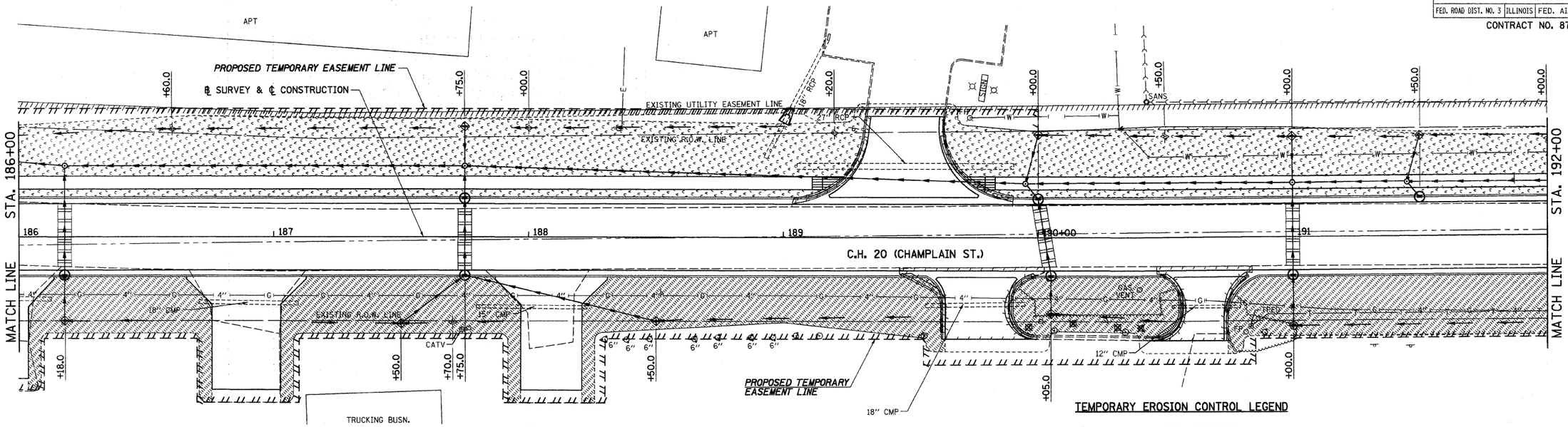


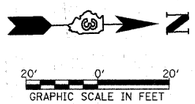
2389E008

C.H. 20 (CHAMPLAIN ST.), EROSION CONTROL PLAN, STA. 174+00 TO STA. 186+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	11C
STA. 186+00	TO STA. 198+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

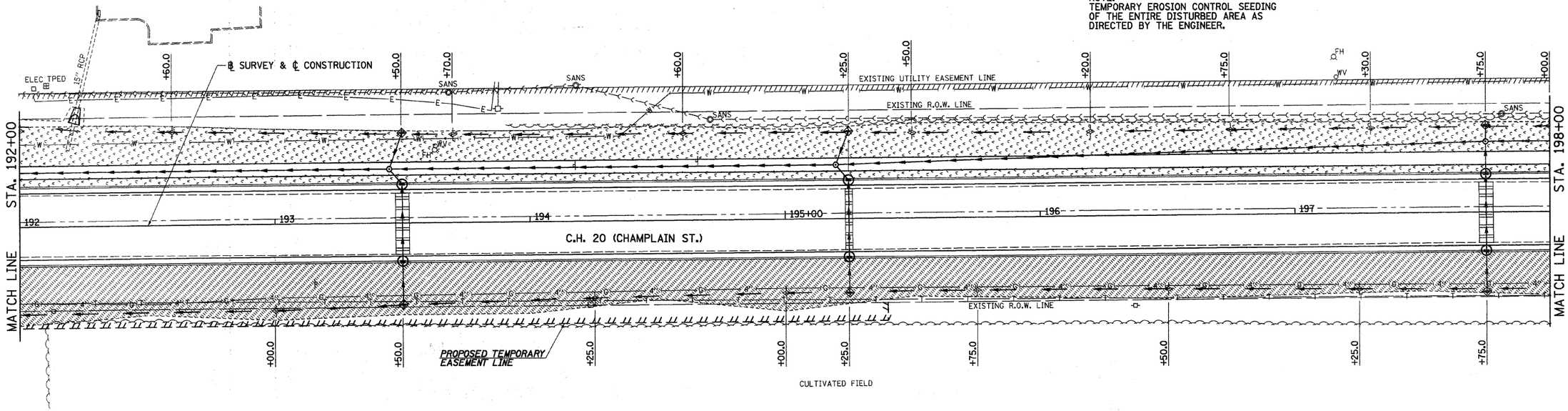




TEMPORARY EROSION CONTROL LEGEND

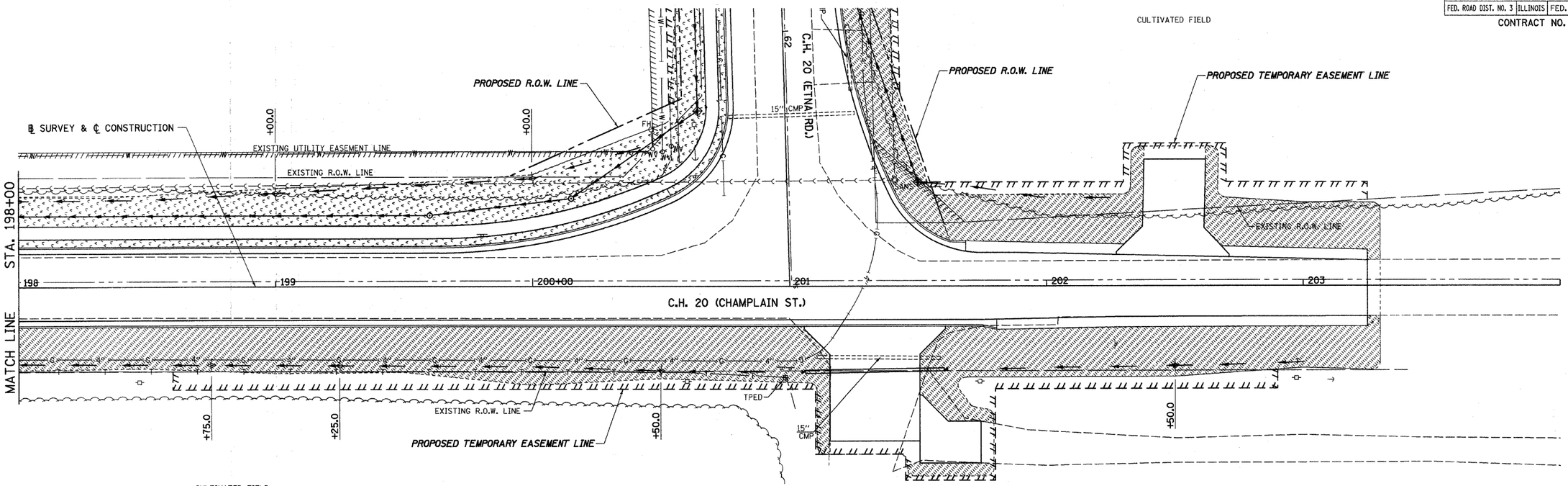
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.



RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	111
STA. 198+00		TO STA. 204+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



TEMPORARY EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- FILTER FABRIC - INLET PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- MULCH

NOTE:
TEMPORARY EROSION CONTROL SEEDING OF THE ENTIRE DISTURBED AREA AS DIRECTED BY THE ENGINEER.

N

20' 0' 20'
GRAPHIC SCALE IN FEET

2389E010

C.H. 20 (CHAMPLAIN ST.), EROSION CONTROL PLAN, STA. 198+00 TO STA. 204+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
CH 20	06-00275-00-PV	LaSALLE	218	112
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

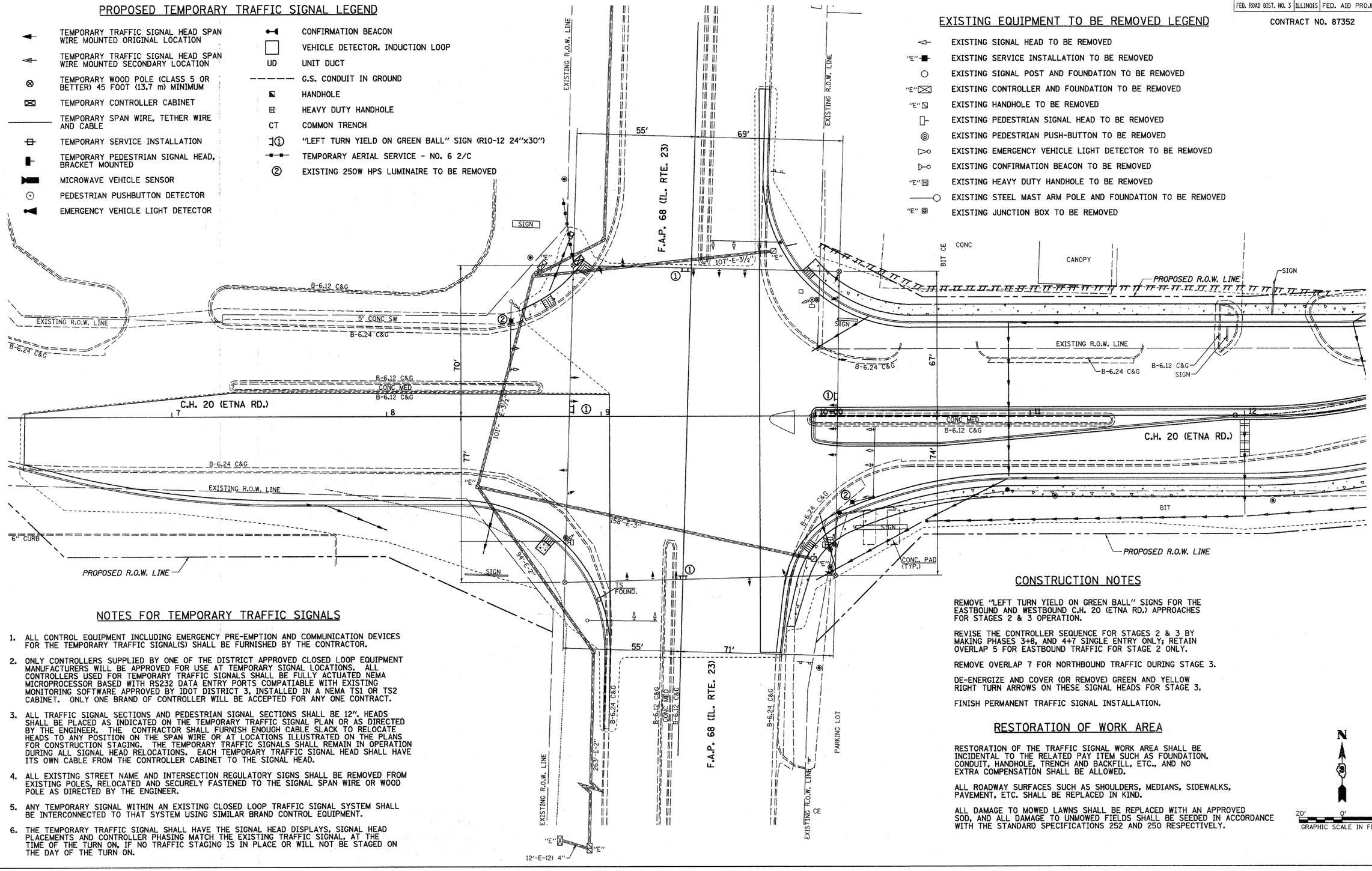
CONTRACT NO. 87352

PROPOSED TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7 m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR. INDUCTION LOOP
- UD — UNIT DUCT
- G.S. CONDUIT IN GROUND
- HANDHOLE
- HEAVY DUTY HANDHOLE
- CT — COMMON TRENCH
- ① "LEFT TURN YIELD ON GREEN BALL" SIGN (R10-12 24"x30")
- TEMPORARY AERIAL SERVICE - NO. 6 2/C
- ② EXISTING 250W HPS LUMINAIRE TO BE REMOVED

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- EXISTING EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- EXISTING CONFIRMATION BEACON TO BE REMOVED
- "E" EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" EXISTING JUNCTION BOX TO BE REMOVED



NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIABLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 3, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

CONSTRUCTION NOTES

REMOVE "LEFT TURN YIELD ON GREEN BALL" SIGNS FOR THE EASTBOUND AND WESTBOUND C.H. 20 (ETNA RD.) APPROACHES FOR STAGES 2 & 3 OPERATION.

REVISE THE CONTROLLER SEQUENCE FOR STAGES 2 & 3 BY MAKING PHASES 3+8, AND 4+7 SINGLE ENTRY ONLY; RETAIN OVERLAP 5 FOR EASTBOUND TRAFFIC FOR STAGE 2 ONLY.

REMOVE OVERLAP 7 FOR NORTHBOUND TRAFFIC DURING STAGE 3.

DE-ENERGIZE AND COVER (OR REMOVE) GREEN AND YELLOW RIGHT TURN ARROWS ON THESE SIGNAL HEADS FOR STAGE 3.

FINISH PERMANENT TRAFFIC SIGNAL INSTALLATION.

RESTORATION OF WORK AREA

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND.

ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

N

20' 0' 20'
GRAPHIC SCALE IN FEET

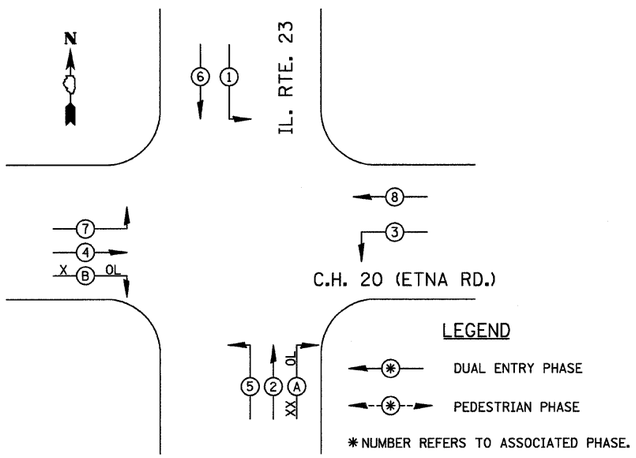
2389L001

C.H. 20 (ETNA RD.) & IL. RTE. 23, PROPOSED TEMPORARY TRAFFIC SIGNAL PLAN, STAGES 1 AND 2

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	113
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

CONTROLLER SEQUENCE



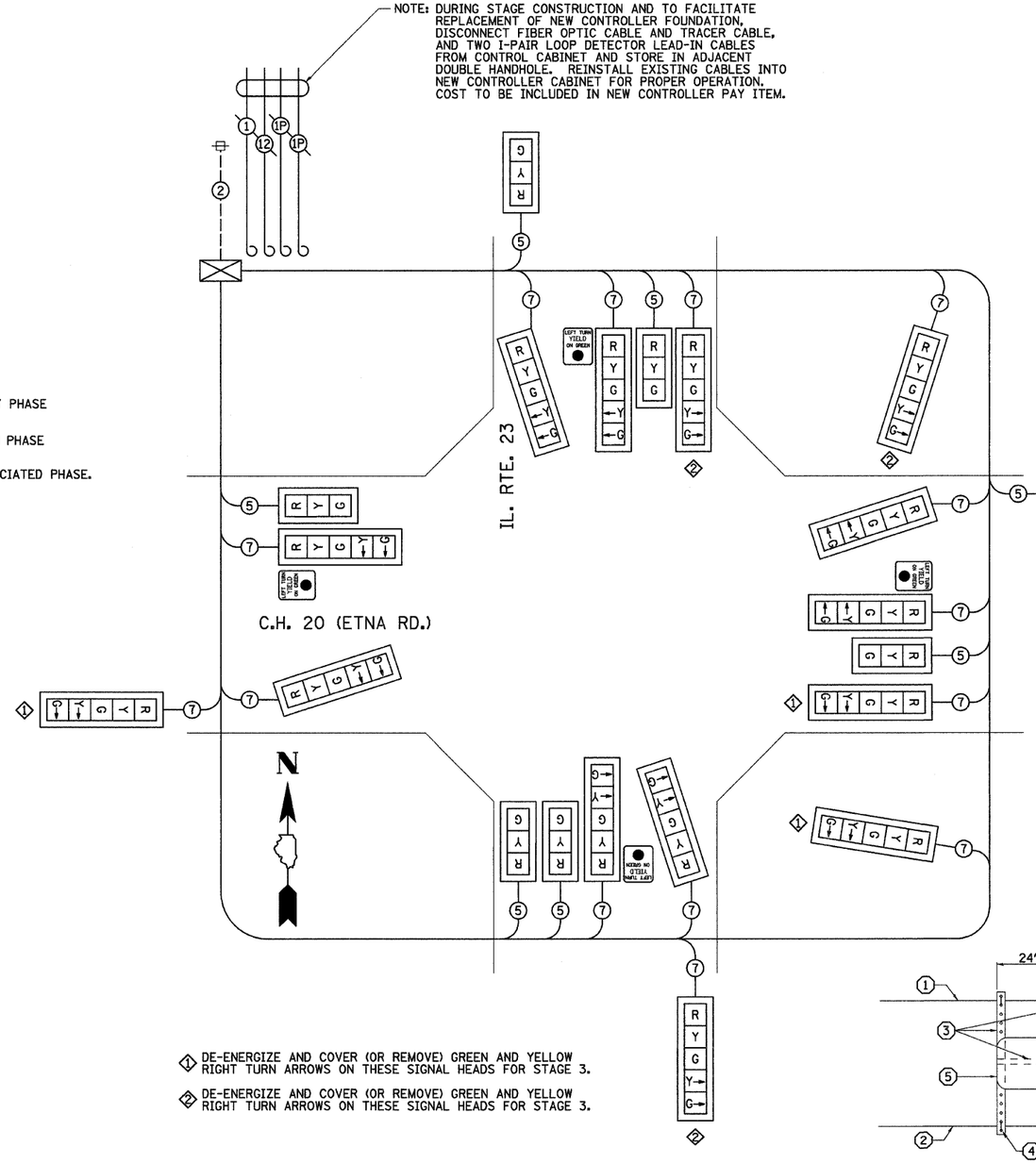
PROPOSED TEMPORARY PHASE DESIGNATION DIAGRAM

NOTE: REMOVE "LEFT TURN YIELD ON GREEN BALL" SIGNS FOR THE EASTBOUND AND WESTBOUND C.H. 20 (ETNA RD.) APPROACHES FOR STAGES 2 & 3 OPERATION.

X REVISE THE CONTROLLER SEQUENCE FOR STAGES 2 & 3 BY MAKING PHASES 3+8, AND 4+7 SINGLE ENTRY ONLY; RETAIN OVERLAP B FOR EASTBOUND TRAFFIC FOR STAGE 2 ONLY.

XX REMOVE OVERLAP A FOR NORTHBOUND TRAFFIC DURING STAGE 3.

NOTE: DURING STAGE CONSTRUCTION AND TO FACILITATE REPLACEMENT OF NEW CONTROLLER FOUNDATION, DISCONNECT FIBER OPTIC CABLE AND TRACER CABLE, AND TWO I-PAIR LOOP DETECTOR LEAD-IN CABLES FROM CONTROL CABINET AND STORE IN ADJACENT DOUBLE HANDHOLE. REINSTALL EXISTING CABLES INTO NEW CONTROLLER CABINET FOR PROPER OPERATION. COST TO BE INCLUDED IN NEW CONTROLLER PAY ITEM.



① DE-ENERGIZE AND COVER (OR REMOVE) GREEN AND YELLOW RIGHT TURN ARROWS ON THESE SIGNAL HEADS FOR STAGE 3.

② DE-ENERGIZE AND COVER (OR REMOVE) GREEN AND YELLOW RIGHT TURN ARROWS ON THESE SIGNAL HEADS FOR STAGE 3.

PROPOSED TEMPORARY CABLE PLAN

"ALL STAGES"

TEMPORARY SIGNAL ELECTRICAL LOAD CHART			
IL. RTE. 23			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME %
RED	11	17	62
YELLOW	11	25	5
GREEN	11	15	33
YELLOW ARROW	7	12	5
GREEN ARROW	7	12	5
C.H. 20 (ETNA RD.)			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME %
RED	10	17	67
YELLOW	10	25	5
GREEN	10	15	28
YELLOW ARROW	7	12	5
GREEN ARROW	7	12	5
TRAFFIC SIGNAL			
ITEM	NUMBER	WATTAGE EACH	BURN TIME %
CONTROLLER	1	100	100
LOOP DETECTORS	0	0	0

ENERGY COSTS TO: CITY OF OTTAWA
EXISTING SERVICE INSTALLATION

REMOVAL NOTES: (REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT)

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF OTTAWA. THE CONTRACTOR SHALL SAFELY STORE AND DELIVER THE REMOVED EQUIPMENT TO THE ABOVE AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS:

4 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
5 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
6 EACH TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
4 EACH PEDESTRIAN SIGNAL HEAD, 2-SECTION, BRACKET MOUNTED
4 EACH PEDESTRIAN PUSH-BUTTON DETECTOR
2 EACH STEEL MAST ARM ASSEMBLY AND POLE (2 @ 32')
2 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (2 @ 32')
3 EACH TRAFFIC SIGNAL POST, 16 FT.
1 EACH CONTROLLER CABINET AND CONTENTS, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

3 EACH CONCRETE FOUNDATION, TYPE A
1 EACH CONCRETE FOUNDATION, TYPE D
4 EACH CONCRETE FOUNDATION, TYPE E
3 EACH HANDHOLE
1 EACH SERVICE INSTALLATION, CABINET MOUNTED

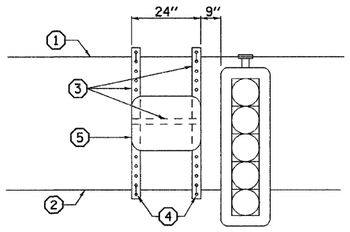
REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE

THE FOLLOWING EXISTING LIGHTING EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL DELIVER THE REMOVED EQUIPMENT TO THE IDOT FACILITIES LOCATED AT 700 E. NORRIS DR., OTTAWA IN ACCORDANCE WITH SECTION 842.04 OF THE STANDARD SPECIFICATIONS.

2 EACH LUMINAIRE, SODIUM VAPOR, 250 WATT

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) — INDICATES NUMBER OF CONDUCTORS IN CABLE, ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300 mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR



SIGN MOUNTING DETAIL - SPAN WIRE

1. SPAN WIRE
2. TETHER WIRE
3. TELESCOPING METAL SIGN POST 1" SQUARE SECTION 1093.01(a)(3) OF STANDARD SPECIFICATIONS
4. HIGH STRENGTH STEEL U-BOLTS, TOP & BOTTOM SECTION 1006.08, OF STANDARD SPECIFICATIONS
5. REGULATORY SIGN AS SPECIFIED IN PLANS - 24"x30"

C.H. 20 (ETNA RD.) & IL. RTE. 23, PROPOSED TEMPORARY TRAFFIC SIGNAL INSTALLATION DETAILS

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	114
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

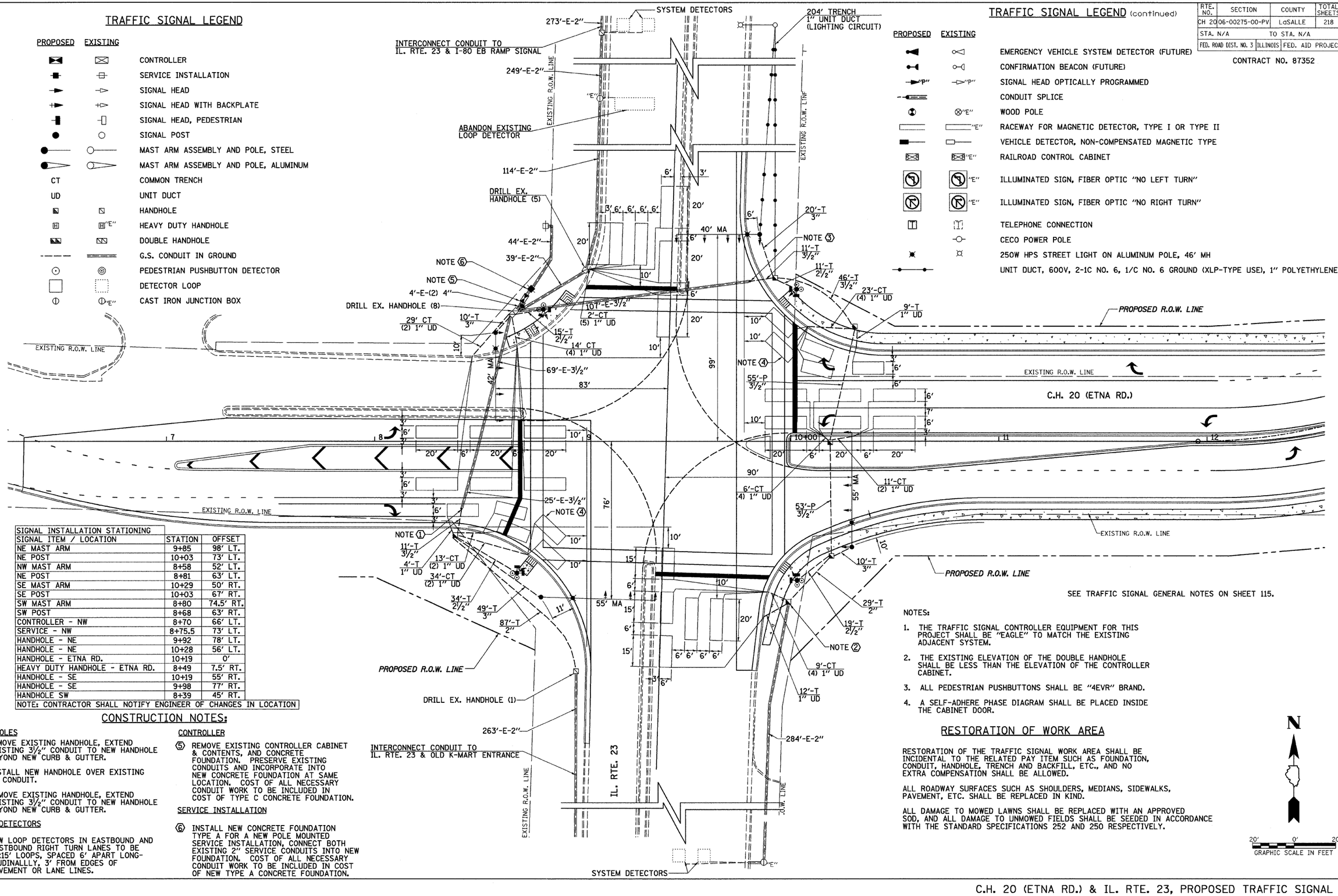
CONTRACT NO. 87352

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING	
■	⊠	CONTROLLER
■	⊟	SERVICE INSTALLATION
►	▷	SIGNAL HEAD
►+	▷+	SIGNAL HEAD WITH BACKPLATE
■	▯	SIGNAL HEAD, PEDESTRIAN
●	○	SIGNAL POST
●—	○—	MAST ARM ASSEMBLY AND POLE, STEEL
●▰	○▰	MAST ARM ASSEMBLY AND POLE, ALUMINUM
CT		COMMON TRENCH
UD		UNIT DUCT
▣	▨	HANDHOLE
H	H"E"	HEAVY DUTY HANDHOLE
▣▣	▨▨	DOUBLE HANDHOLE
----	═══	G.S. CONDUIT IN GROUND
⊙	◎	PEDESTRIAN PUSHBUTTON DETECTOR
□	⬚	DETECTOR LOOP
◐	◐"E"	CAST IRON JUNCTION BOX

TRAFFIC SIGNAL LEGEND (continued)

PROPOSED	EXISTING	
◄	◁	EMERGENCY VEHICLE SYSTEM DETECTOR (FUTURE)
●◁	○◁	CONFIRMATION BEACON (FUTURE)
►"P"	▷"P"	SIGNAL HEAD OPTICALLY PROGRAMMED
—◄—	—▷—	CONDUIT SPLICE
⊗	⊗"E"	WOOD POLE
▭	▭"E"	RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
■—	□—	VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE
⊠	⊠"E"	RAILROAD CONTROL CABINET
⊘	⊘"E"	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
⊘	⊘"E"	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
▯	▯	TELEPHONE CONNECTION
	—○—	CECO POWER POLE
✱	✱	250W HPS STREET LIGHT ON ALUMINUM POLE, 46' MH
◄►		UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND (XLP-TYPE USE), 1" POLYETHYLENE



SIGNAL INSTALLATION STATIONING		
SIGNAL ITEM / LOCATION	STATION	OFFSET
NE MAST ARM	9+85	98' LT.
NE POST	10+03	73' LT.
NW MAST ARM	8+58	52' LT.
NE POST	8+81	63' LT.
SE MAST ARM	10+29	50' RT.
SE POST	10+03	67' RT.
SW MAST ARM	8+80	74.5' RT.
SW POST	8+68	63' RT.
CONTROLLER - NW	8+70	66' LT.
SERVICE - NW	8+75.5	73' LT.
HANDHOLE - NE	9+92	78' LT.
HANDHOLE - NE	10+28	56' LT.
HANDHOLE - ETNA RD.	10+19	0'
HEAVY DUTY HANDHOLE - ETNA RD.	8+49	7.5' RT.
HANDHOLE - SE	10+19	55' RT.
HANDHOLE - SE	9+98	77' RT.
HANDHOLE SW	8+39	45' RT.
NOTE: CONTRACTOR SHALL NOTIFY ENGINEER OF CHANGES IN LOCATION		

CONSTRUCTION NOTES:

HANDHOLES

① REMOVE EXISTING HANDHOLE, EXTEND EXISTING 3½" CONDUIT TO NEW HANDHOLE BEYOND NEW CURB & GUTTER.

② INSTALL NEW HANDHOLE OVER EXISTING 2" CONDUIT.

③ REMOVE EXISTING HANDHOLE, EXTEND EXISTING 3½" CONDUIT TO NEW HANDHOLE BEYOND NEW CURB & GUTTER.

LOOP DETECTORS

④ NEW LOOP DETECTORS IN EASTBOUND AND WESTBOUND RIGHT TURN LANES TO BE 6'x15' LOOPS, SPACED 6' APART LONGITUDINALLLY, 3' FROM EDGES OF PAVEMENT OR LANE LINES.

CONTROLLER

⑤ REMOVE EXISTING CONTROLLER CABINET & CONTENTS, AND CONCRETE FOUNDATION. PRESERVE EXISTING CONDUITS AND INCORPORATE INTO NEW CONCRETE FOUNDATION AT SAME LOCATION. COST OF ALL NECESSARY CONDUIT WORK TO BE INCLUDED IN COST OF TYPE C CONCRETE FOUNDATION.

SERVICE INSTALLATION

⑥ INSTALL NEW CONCRETE FOUNDATION TYPE A FOR A NEW POLE MOUNTED SERVICE INSTALLATION, CONNECT BOTH EXISTING 2" SERVICE CONDUITS INTO NEW FOUNDATION. COST OF ALL NECESSARY CONDUIT WORK TO BE INCLUDED IN COST OF NEW TYPE A CONCRETE FOUNDATION.

SEE TRAFFIC SIGNAL GENERAL NOTES ON SHEET 115.

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE EXISTING ELEVATION OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE CONTROLLER CABINET.
3. ALL PEDESTRIAN PUSHBUTTONS SHALL BE "4EVR" BRAND.
4. A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.

RESTORATION OF WORK AREA

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND.

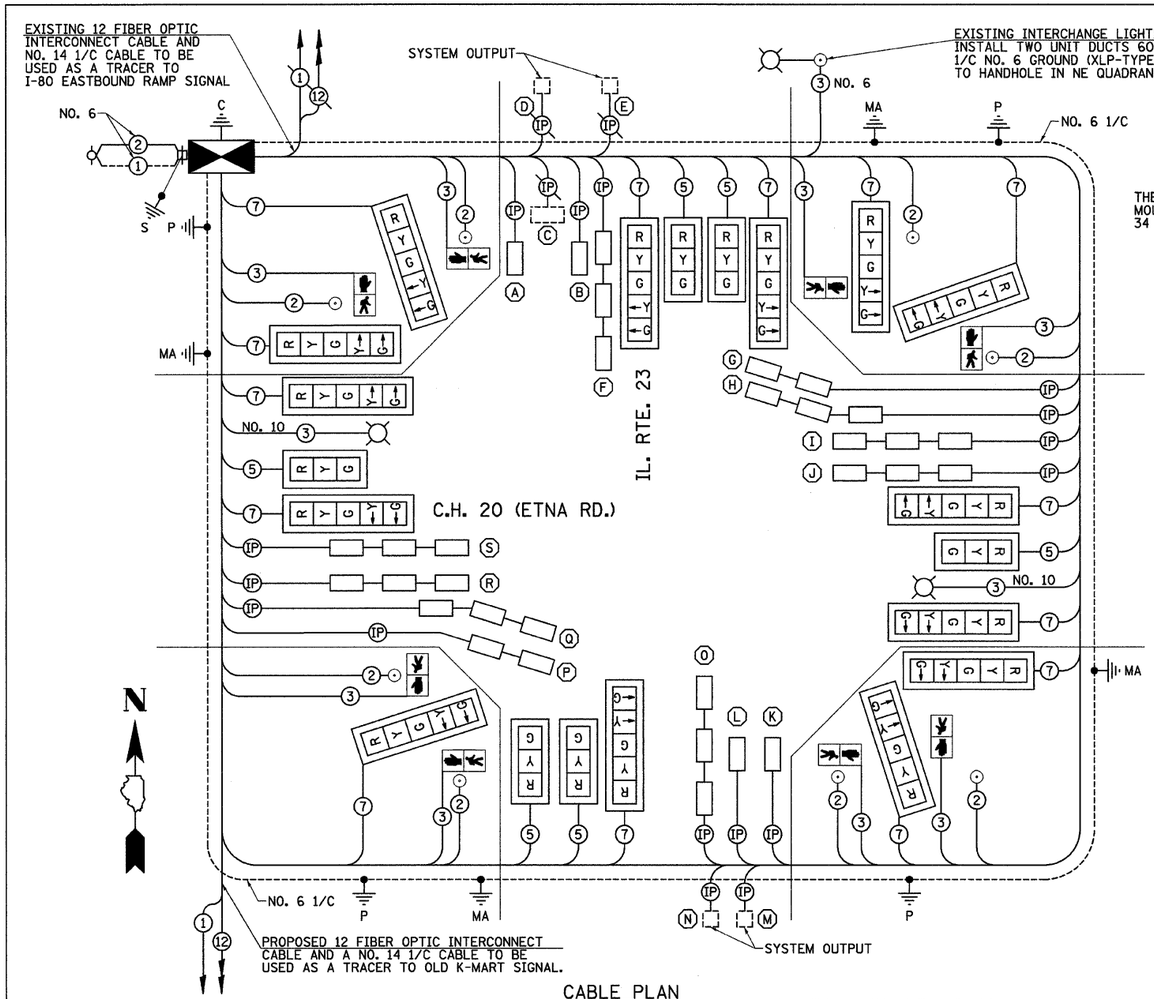
ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

N

20' 0' 20'
GRAPHIC SCALE IN FEET

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	115
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



CABLE PLAN

CABLE PLAN NOTES

THE INDUCTIVE LOOP DETECTORS SHALL BE RACK MOUNTED AND THE REVISION NUMBER SHOULD BE 34 OR HIGHER.

CABLE PLAN LEGEND

EXISTING	PROPOSED	
G	G	8" (200 mm) TRAFFIC SIGNAL SECTION
R	R	12" (300 mm) TRAFFIC SIGNAL SECTION
W	W	12" (300 mm) PEDESTRIAN SIGNAL SECTION
		12" (300 mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
1	1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
24	24	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
R Y G Y G	R Y G Y G	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
"P"	"P"	
"E"	"E"	RAILROAD CONTROL CABINET
"E"	"E"	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
"E"	"E"	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
H/C	C	GROUND ROD AT HANDHOLE(H), DOUBLE HANDHOLE(H) OR CONTROLLER(C)
P	P	GROUND ROD AT POST(P) OR MAST ARM POLE(MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
E	P	250W HPS LUMINAIRE

SCHEDULE OF TRAFFIC SIGNAL QUANTITIES - IL. RTE. 23 & C.H. 20 (ETNA RD.)

PAY ITEM	UNIT	ITEM	IL. RTE. 23 & C.H. 20 (ETNA. RD.)	INTER-CONNECT	TOTAL
72400720	FOOT	RELOCATE SIGN PANEL - TYPE 2	60		60
81012600	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC	29	87	116
81012700	FOOT	CONDUIT IN TRENCH, 2½" DIA., PVC	79		79
81012800	FOOT	CONDUIT IN TRENCH, 3" DIA., PVC	89		89
81012900	FOOT	CONDUIT IN TRENCH, 3 1/2" DIA., PVC	89		89
81018800	FOOT	CONDUIT PUSHED, 3½" DIA., GALVANIZED STEEL	108		108
81400700	EACH	HANDHOLE, PORTLAND CEMENT CONCRETE	6		6
81603035	FOOT	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND (XLP-TYPE USE), 1" POLYETHELENE	408		408
81700110	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	2307		2307
81900200	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	635	87	722
82102250	EACH	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	4		4
84200500	EACH	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	2		2
85700205	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	1		1
86200300	EACH	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	1		1
86400100	EACH	TRANSCEIVER - FIBER OPTIC		1	1
87100140	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 12F		588	588
87301205	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 1C		588	588
87301215	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	1618		1618
87301225	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	1686		1686
87301245	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	1530		1530
87301255	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	3143		3143
87301305	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	3907		3907
87301805	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	61		61
87502500	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	4		4
87702930	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	1		1
87702940	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT.	1		1
87703000	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT.	2		2
87800100	FOOT	CONCRETE FOUNDATION, TYPE A	16		16
87800150	FOOT	CONCRETE FOUNDATION, TYPE C	4		4
87800415	FOOT	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	60		60
87900200	EACH	DRILL EXISTING HANDHOLE	13	1	14
88040090	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	6		6
88040150	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	7		7
88040160	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	7		7
88102810	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	8		8
88200410	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	20		20
88500100	EACH	INDUCTIVE LOOP DETECTOR	18		18
88600100	FOOT	DETECTOR LOOP, TYPE I	2379		2379
88800100	EACH	PEDESTRIAN PUSH-BUTTON	8		8
89000100	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION	1		1
89502300	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	10959	1068	12027
89502350	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	20		20
89502375	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1		1
X8050015	EACH	SERVICE INSTALLATION, POLE MOUNTED	1		1
X8739027	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C	727		727
XX002856	L SUM	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM		1	1

DETECTOR LOOP INDUCTION CHART
IL. RTE. 23 & (ETNA RD.)

LOOP SYSTEM	PHASE - LABLE	NUMBER OF TURNS	INDUCTANCE (MH)	FREQUENCY (HERTZ)	J PIN STATUS
A	6 - SB STBR RL	3	171	46673	OFF
B	6 - SB STBR LL	3	171	46673	OFF
C	6 - SB MID	TO BE ABANDONED			
D	6 - SB FAR RL	6	EXISTING	EXISTING	ON
E	6 - SB FAR LL	6	EXISTING	EXISTING	ON
F	1 - SB LT	3	483	27771	ON
G	8 - WB RT RT	3	296	35475	ON
H	8 - WB RT LT	3	422	29710	ON
I	8 - WB STBR	3	526	26612	ON
J	3 - WB LT	3	526	26612	ON
K	2 - NB STBR RL	3	234	39898	OFF
L	2 - NB STBR LL	3	234	39898	OFF
M	2 - NB FAR RL	6	EXISTING	EXISTING	ON
N	2 - NB FAR LL	6	EXISTING	EXISTING	ON
O	5 - NB LT	3	456	28581	ON
P	4 - EB RT RT	3	294	35595	ON
Q	4 - EB RT LT	3	510	27026	ON
R	4 - EB STBR	3	577	25408	ON
S	7 - EB LT	3	577	25408	ON

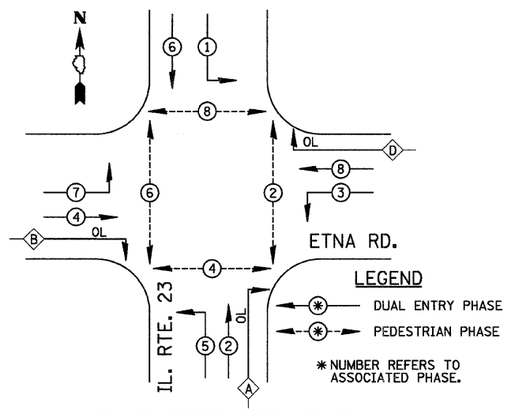
J PIN STATUS: "ON" MEANS STANDARD DETECTION SETUP. "OFF" MEANS THE J WIRE HAS BEEN DISCONNECTED, BUT INTACT AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

PROPOSED SIGNAL ELECTRICAL LOAD CHART

IL. RTE. 23			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME %
RED	9	17	33
YELLOW	9	25	5
GREEN	9	15	62
YELLOW ARROW	6	12	5
GREEN ARROW	6	12	5
PEDESTRIAN WALK	4	7	62
PEDESTRIAN DON'T WK	4	10	38
C.H. 20 (ETNA RD.)			
SIGNAL SECTION	NUMBER	WATTAGE EACH	BURN TIME %
RED	10	17	67
YELLOW	10	25	5
GREEN	10	15	28
YELLOW ARROW	8	12	5
GREEN ARROW	8	12	5
PEDESTRIAN WALK	4	7	28
PEDESTRIAN DON'T WK	4	10	72
TRAFFIC SIGNAL CABINET			
ITEM	NUMBER	WATTAGE EACH	BURN TIME %
CONTROLLER	1	100	100
LOOP DETECTORS	18	4	100

ENERGY COSTS TO: CITY OF OTTAWA
EXISTING SERVICE INSTALLATION

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER		PROTECTED PHASE
A	=	3
B	=	5
D	=	1

NOTES:
A SELF-ADHERE PHASE DIAGRAM SHALL BE PLACED INSIDE THE CABINET DOOR.

SPLICING OF THE EXISTING FIBER OPTIC CABLE WILL NOT BE ALLOWED IN THE NEW CONTROLLER CABINET.

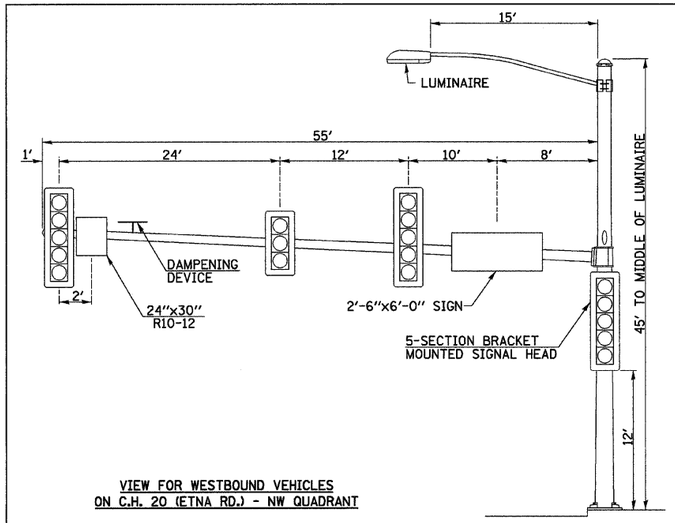
THE TRAFFIC SIGNAL CONTROL EQUIPMENT ON THIS PROJECT IS "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

2389L004

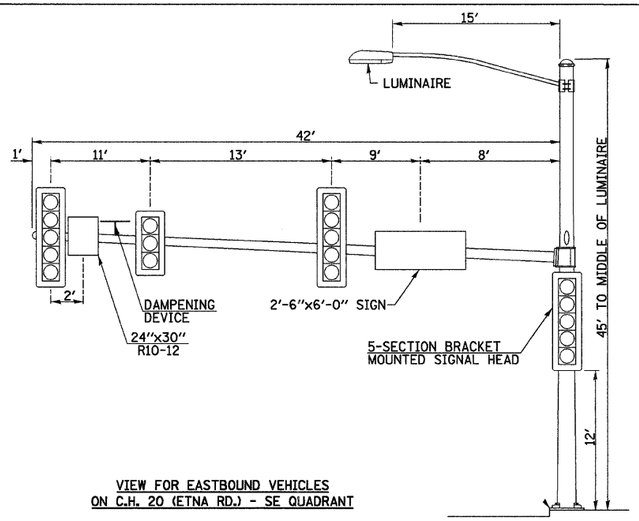
C.H. 20 (ETNA RD.) & IL. RTE. 23, PROPOSED TRAFFIC SIGNAL CABLE PLAN, CONTROLLER SEQUENCE, & SCHEDULE OF QUANTITIES

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	116
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

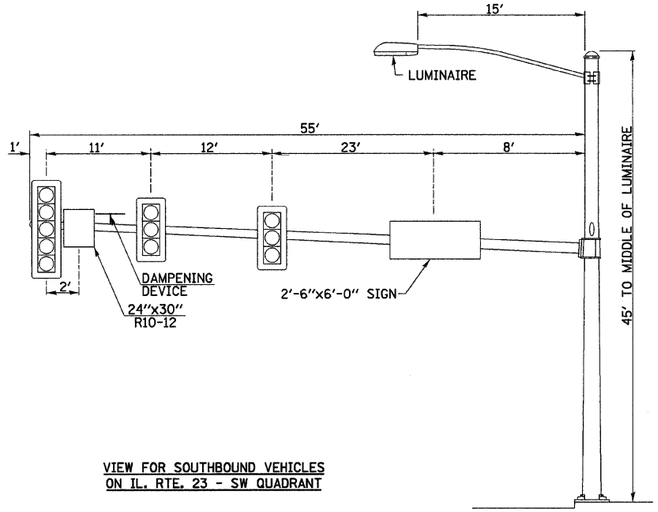
CONTRACT NO. 87352



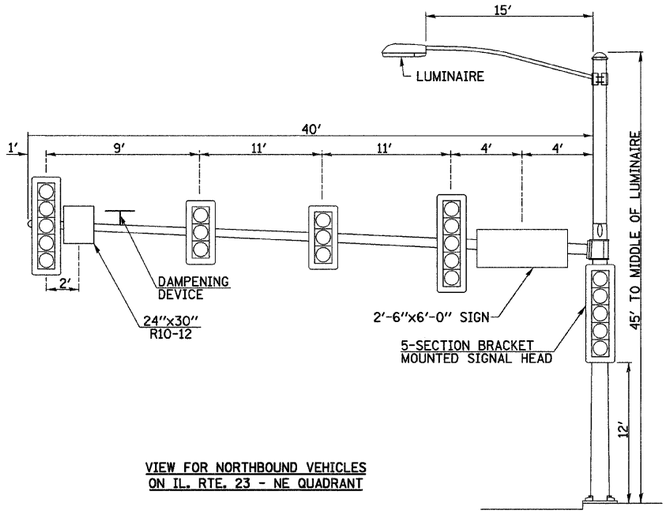
VIEW FOR WESTBOUND VEHICLES
ON C.H. 20 (ETNA RD.) - NW QUADRANT



VIEW FOR EASTBOUND VEHICLES
ON C.H. 20 (ETNA RD.) - SE QUADRANT



VIEW FOR SOUTHBOUND VEHICLES
ON IL. RTE. 23 - SW QUADRANT



VIEW FOR NORTHBOUND VEHICLES
ON IL. RTE. 23 - NE QUADRANT

MAST ARM LOADING DETAILS

(NO SCALE)

FOUNDATION DEPTH TABLE		
TYPE	LOCATION	FOUNDATION
TYPE E 36" 40' STEEL MAST ARM	NE QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	15'
TYPE A 16' SIGNAL POST	NE QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'
TYPE E 36" 42' STEEL COMBINATION MAST ARM	NW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	15'
TYPE A 16' SIGNAL POST	NW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'
TYPE E 36" 55' STEEL COMBINATION MAST ARM	SE QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	15'
TYPE A 16' SIGNAL POST	SE QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'
TYPE E 36" 55' STEEL MAST ARM	SW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	15'
TYPE A 16' SIGNAL POST	SW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'
TYPE C CONTROLLER FOUNDATION	NW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'
TYPE A GROUND MOUNT SERVICE INSTALLATION	NW QUADRANT C.H. 20 (ETNA RD.) & IL. RTE. 23	4'

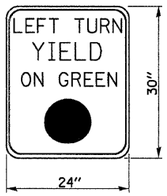
NOTES:
(APPLY TO ALL MAST ARM LOADING DIAGRAMS)
DAMPENING DEVICE SHALL CONSIST OF 24"x30" TYPE 1 UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF THE MAST ARM WITH THE 36" LENGTH PERPENDICLUAR TO THE MAST ARM. THE COST OF THE DAMPENING DEVICE AND IT'S INSTALLATION IS INCLUDED IN THE MAST ARM PAY ITEM.

LUMINAIRES TO BE RELOCATED FROM EXISTING MAST ARM ASSEMBLIES.

ALL SIGNAL HEADS SHALL HAVE BACKPLATES.

ALL MAST ARM FOUNDATIONS TO BE 36" DIAMETER.

EXISTING STREET NAME SIGNS TO BE RELOCATED FROM EXISTING MAST ARM ASSEMBLIES.

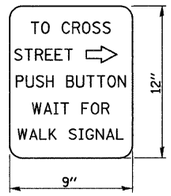


TYPE B SHEETING REQUIRED.

14 EACH REQUIRED.

THIS SIGN SHALL BE LOCATED 6" TO 12" TO THE RIGHT OF EACH 5-SECTION MAST ARM MOUNTED LEFT TURN SIGNAL. COST TO BE INCLUDED IN THE COST OF 5-SECTION MAST ARM MOUNTED SIGNAL HEAD PAY ITEM.

LEFT TURN YIELD ON GREEN SIGN
TYPE R10-12



TYPE B SHEETING REQUIRED.

8 EACH REQUIRED.

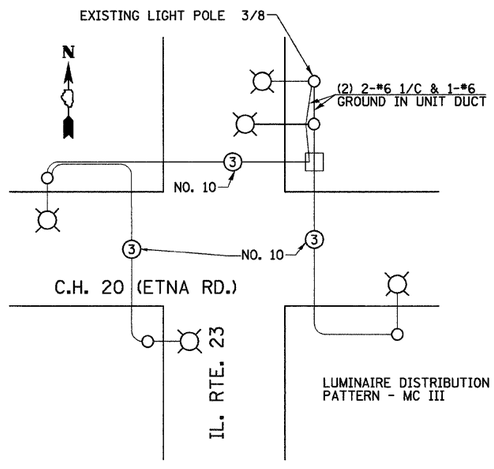
THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON. COST TO BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON PAY ITEM.

COLORS:
LEGEND - BLACK
BACKGROUND - WHITE

PEDESTRIAN PUSH-BUTTON SIGN
TYPE R10-4A (L OR R)

GENERAL NOTES:

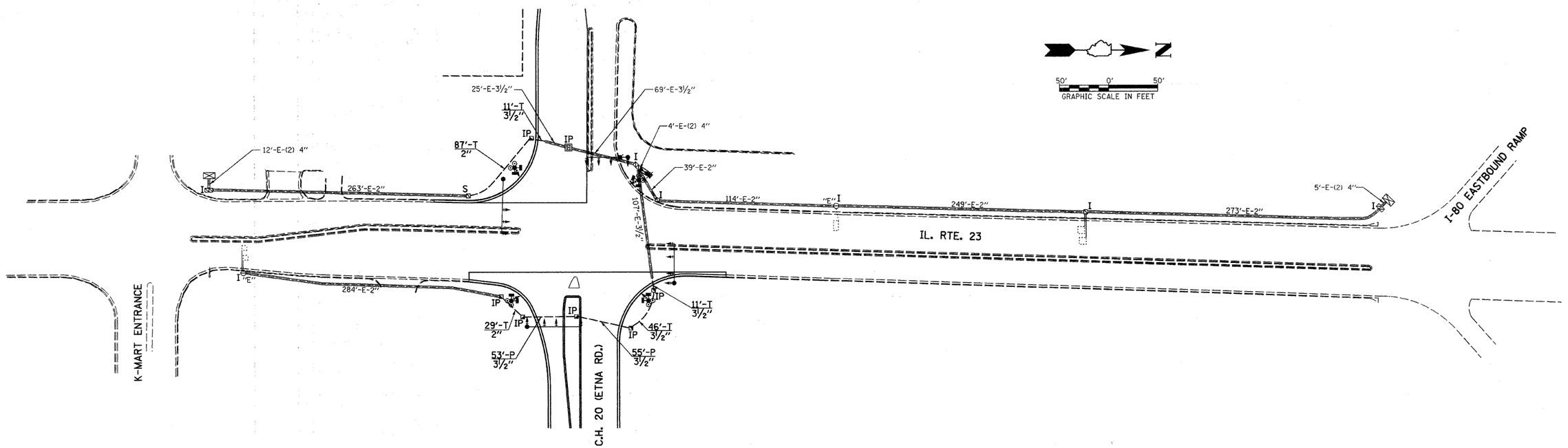
1. THE CONTRACTOR SHALL CONTACT THE UNITED CITY OF OTTAWA (815-433-0161) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT (815 434-8506) AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS (800-892-0123).
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
8. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
9. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
12. ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
13. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
14. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES OR HANDHOLES WILL NOT BE ALLOWED.
15. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
16. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT. THE WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
17. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
19. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES.
20. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
21. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
22. ALL UNINTERRUPTABLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
23. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
24. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
25. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
26. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.
27. THE MAST ARMS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.
28. IF THERE IS A PAY ITEM, CHANGEABLE MESSAGE SIGNS ARE REQUIRED FOR BOTH DIRECTIONS. ONE WEEK PRIOR TO SIGNAL TURN-ON, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/TURN ON DATE." FOR THREE WEEKS AFTER, THE MESSAGE SHOULD READ "NEW SIGNAL AHEAD/BE PREPARED TO STOP"
29. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
30. THE CONTRACTOR SHALL PROVIDE 3 FEET OF SLACK CABLE IN THE CONTROLLER AND ON THE WOOD POLES. THE SLACK IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR ELECTRICAL CABLE OF THE TYPE SPECIFIED.
31. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
32. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 70 M.P.H. SUSTAINED WIND LOADING.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
34. THE STREET NAME SIGNS ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRES SHALL BE RELOCATED TO THE NEW MAST ARM ASSEMBLIES AND PAID FOR AS RELOCATE SIGN PANEL - TYPE 2.



LIGHTING CIRCUIT DIAGRAM

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	117
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER	▣	⊠
HANDHOLE	▧	▨
DOUBLE HANDHOLE	▬	▭
HEAVY-DUTY HANDHOLE	▣	▣
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)	————	————
DETECTOR LOOP	□	⬚
UNIT DUCT	UD	
SYSTEM	SP	S
INTERSECTION	IP	I
TELEPHONE	☎	☎
CAST IRON JUNCTION BOX	ⓘ	ⓘ"E"

SUMMARY OF INTERCONNECT QUANTITIES - IL. RTE. 23 & C.H. 20 (ETNA. RD.)

PAY ITEM	UNIT	ITEM	QUANTITY
81012600	FOOT	CONDUIT IN TRENCH, 2" DIA., PVC	87
81500200	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	87
86400100	EACH	TRANSCEIVER - FIBER OPTIC	1
87100140	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 12F	588
87900200	EACH	DRILL EXISTING HANDHOLE	1
89502300	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	1068
X8730027	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	588
XX002856	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	1

THE TRAFFIC SIGNAL CONTROL EQUIPMENT ON THIS PROJECT IS "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

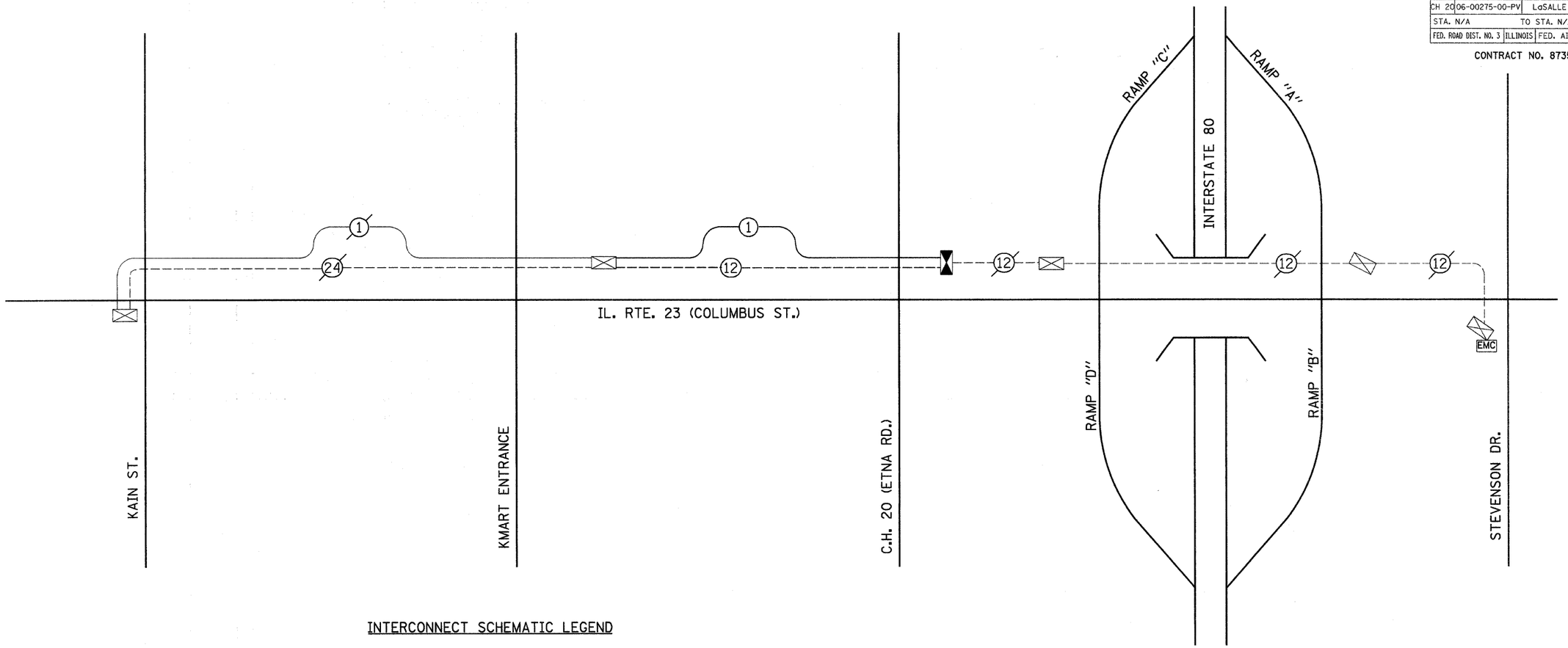
ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND.

ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

INTERCONNECT PLAN, K-MART ENTRANCE TO I-80 EASTBOUND RAMP

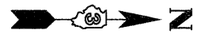
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	118
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER	⊠
PROPOSED INTERSECTION CONTROLLER	⊠
EXISTING MASTER CONTROLLER	EMC
PROPOSED MASTER CONTROLLER	MC
MASTER MASTER CONTROLLER	MMC
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	
EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM DETECTORS	P
EXISTING SAMPLING (SYSTEM) DETECTORS	ES
PROPOSED SAMPLING (SYSTEM) DETECTORS	PS
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.	ESP
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED SAMPLING (SYSTEM) DETECTORS,	ESPS
EXISTING PREFORMED INTERSECTION &SAMPLING (SYSTEM DETECTORS	PD
PROPOSED PREFORMED INTERSECTION &SAMPLING (SYSTEM) DETECTORS	PD
EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	ESPD
PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	PSPD
EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	—(24)—
PROPOSED FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125, MM12F SM12F	—(24)—
EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	—(12)—
PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	—(12)—
EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	—(6)—
PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	—(6)—
EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	—(2)—
PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	—(2)—
EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	—(1)—
PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	—(1)—
EXISTING TELEPHONE CONNECTION	T
PROPOSED TELEPHONE CONNECTION	T



THE PAY ITEM "RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM" SHALL INCLUDE THE FOLLOWING INTERSECTIONS:

IL. RTE. 23 (COLUMBUS (ST.)) & KAIN ST.
IL. RTE. 23 (COLUMBUS (ST.)) & KMART ENTRANCE
IL. RTE. 23 (COLUMBUS (ST.)) & C.H. 20 (ETNA RD.)
IL. RTE. 23 (COLUMBUS (ST.)) & INTERSTATE 80 EASTBOUND RAMP
IL. RTE. 23 (COLUMBUS (ST.)) & INTERSTATE 80 WESTBOUND RAMP
IL. RTE. 23 (COLUMBUS (ST.)) & STEVENSON DR.

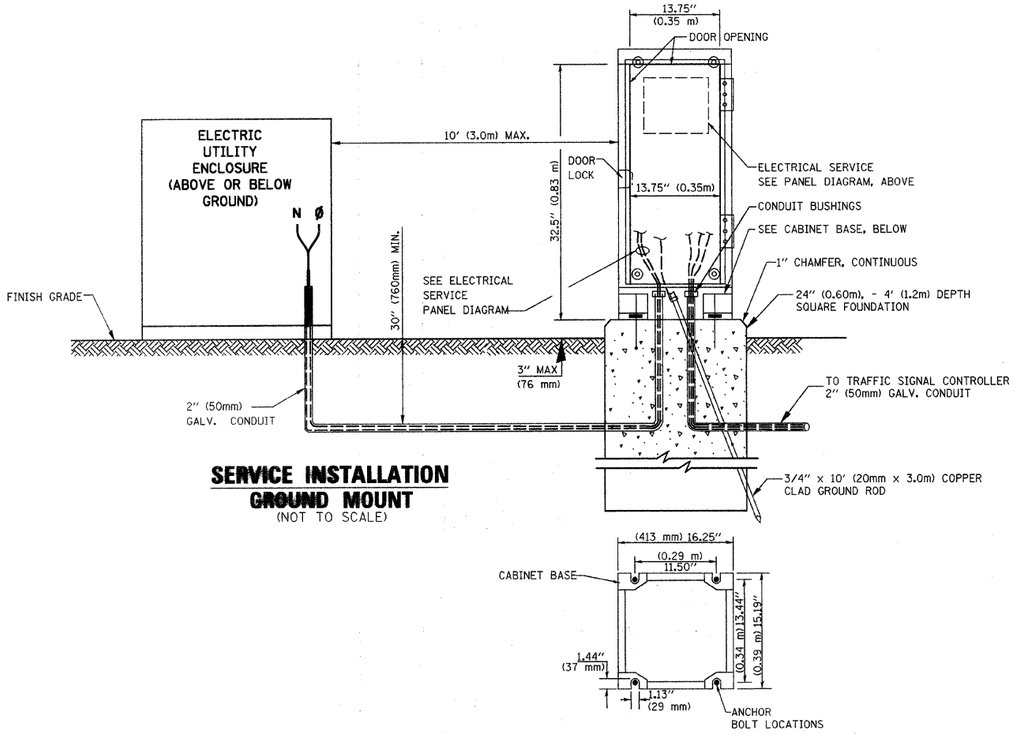
THE TRAFFIC SIGNAL CONTROL EQUIPMENT ON THIS PROJECT IS "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

2389L006

IL. RTE. 23 (COLUMBUS ST.) FROM KAIN ST. TO STEVENSON DR., INTERCONNECT SCHEMATIC PLAN

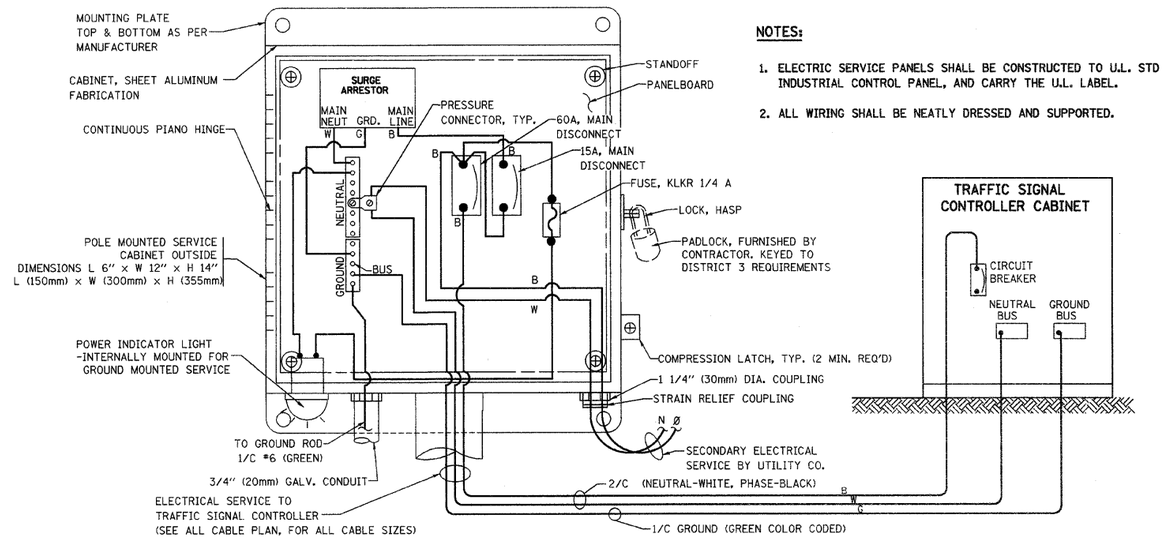
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	119
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN
(NOT TO SCALE)



NOTES:

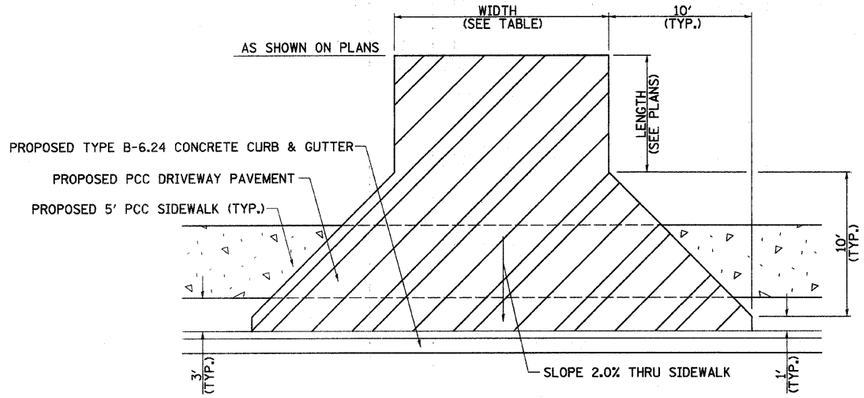
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)

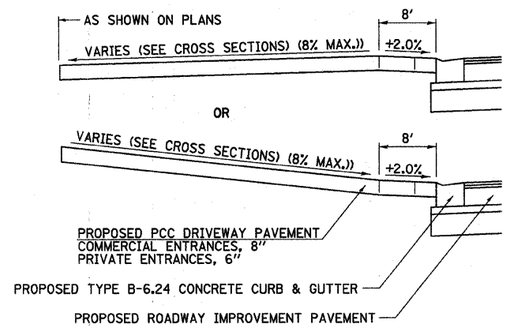
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	120
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FEDERAL AID PROJECT		

CONTRACT NO. 87352



C.H. 20 (ETNA RD. & CHAMPLAIN ST.)

PLAN



CROSS SECTION

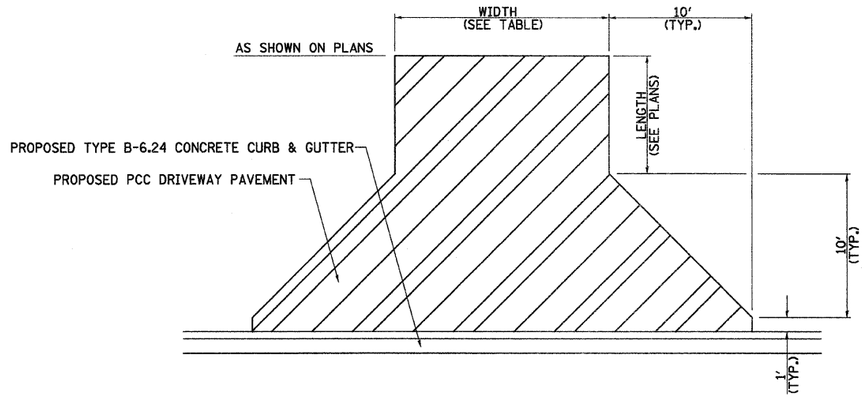
PRIVATE ENTRANCE (PE) & COMMERCIAL ENTRANCE (CE) DETAILS
WITH SIDEWALK

DETAIL A

TABLE

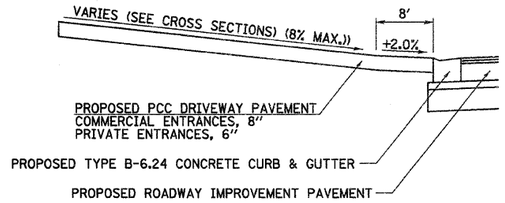
STATION	TYPE	SIDE	WIDTH FT.	DETAIL
C.H. 20 (ETNA RD.)				
13+36.4	CE	RT.	35	A
16+70.0	CE	RT.	35	A
18+35.9	CE	LT.	30	F
19+10.2	CE	LT.	28	E
21+14.7	CE	LT.	24	F
21+75.8	CE	LT.	24	E
22+03.0	CE	RT.	24	A
23+07.9	PE	LT.	13	B
28+00.0	FE	LT.	24	C
30+17.8	PE	RT.	21	A
33+38.2	CE	RT.	24	A
34+74.3	CE	LT.	13±	E
35+50.0	CE	RT.	24	E
37+37.9	CE	LT.	13	E
38+28.2	CE	LT.	25	F
39+76.2	CE	LT.	15±	F
40+51.1	CE	RT.	31	E
41+13.2	CE	LT.	15±	F
43+57.1	PE	RT.	28	A
46+50.6	PE	LT.	14	B
48+62.1	CE	RT.	24	A
49+75.3	CE	RT.	24	A
51+23.4	CE	RT.	24	A
58+04.1	CE	RT.	35	F
C.H. 20 (CHAMPLAIN ST.)				
155+05.0	PE	RT.	12	C••
156+52.7	PE	RT.	18	B
157+33.8	PE	RT.	12	B
158+14.8	PE	RT.	16	B
158+58.8	PE	RT.	12	B
158+76.4	CEMETERY	LT.	16	A
159+56.4	PE	RT.	17	B
159+93.8	PE	LT.	12	A
160+68.6	PE	LT.	12	A
162+20.2	FE	LT.	24	D
166+30.8	PE	LT.	12	A
166+33.7	CEMETERY	RT.	12	B
170+70.0	CEMETERY	RT.	12	B
171+12.7	PE	LT.	13	A
175+03.2	CEMETERY	RT.	25	B
179+38.2	CEMETERY	RT.	15	B
182+83.9	PE	RT.	12	B
183+66.9	ALLEY	RT.	12	B
185+91.3	CE	RT.	25	B
186+89.7	CE	RT.	27	B
188+08.9	CE	RT.	24	B
189+47.1	CE	LT.	27	E
189+75.3	CE	RT.	24	E
190+65.2	CE	RT.	16	E
201+34.6	CE	RT.	35	B
202+50.0	FE	LT.	24	C

WIDTH IS 12.0' MIN. FOR PE
WIDTH IS 24.0' MIN. FOR CE• & FE
FOR LENGTH SEE PLAN & PROFILE OR CROSS SECTIONS.
•OR MATCH EXISTING CURB & GUTTER.
••PE SHALL BE CONSTRUCTED IN ACCORDANCE WITH FE DESIGN.



C.H. 20 (ETNA RD. & CHAMPLAIN ST.)

PLAN



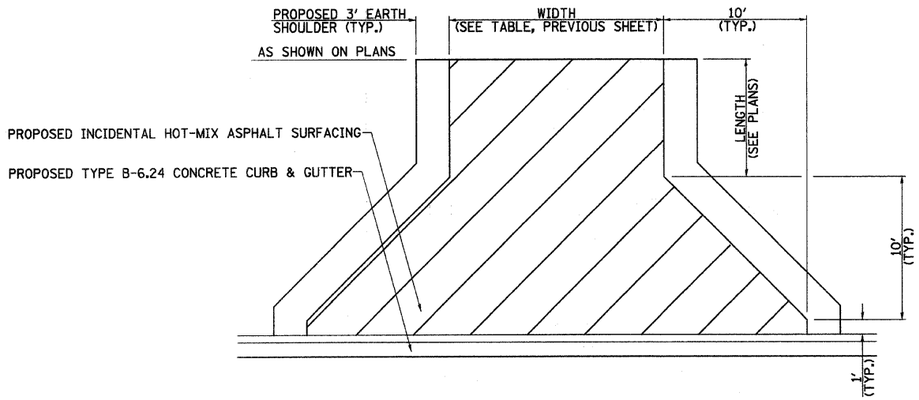
CROSS SECTION

PRIVATE ENTRANCE (PE) & COMMERCIAL ENTRANCE (CE) DETAILS
WITHOUT SIDEWALK

DETAIL B

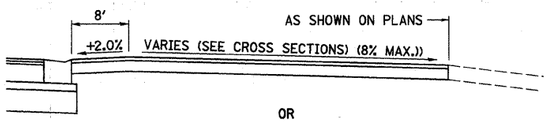
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	121
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FEDERAL AID PROJECT		

CONTRACT NO. 87352

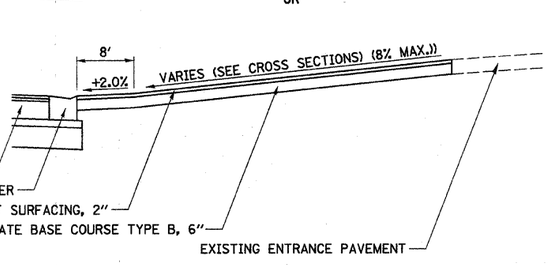


C.H. 20 (ETNA RD. & CHAMPLAIN ST.)

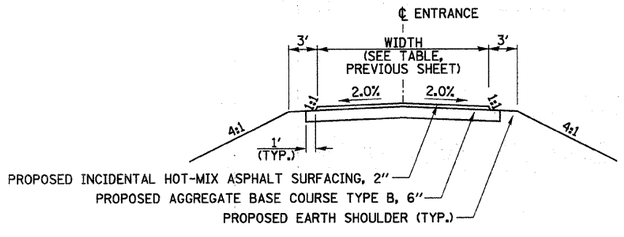
PLAN



OR



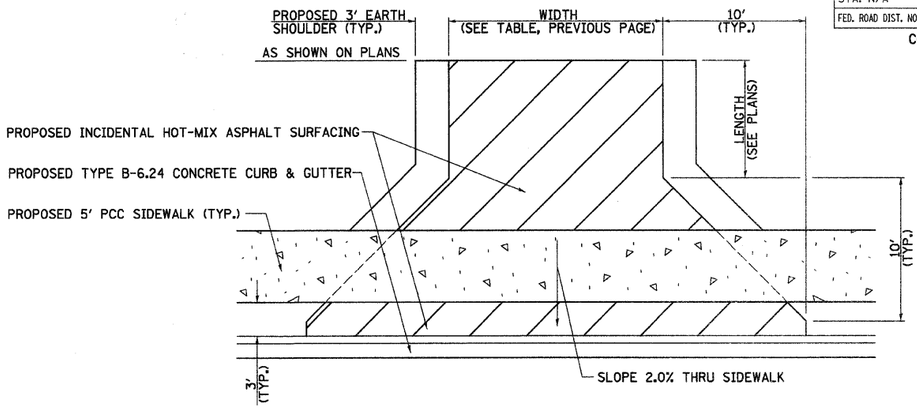
CROSS SECTION



TYPICAL SECTION

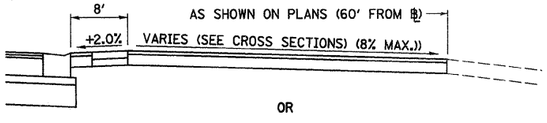
FIELD ENTRANCE (FE) DETAILS WITHOUT SIDEWALK

DETAIL C

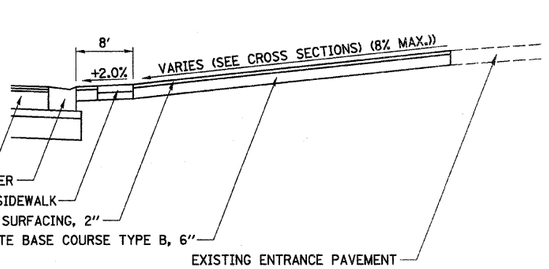


C.H. 20 (ETNA RD. & CHAMPLAIN ST.)

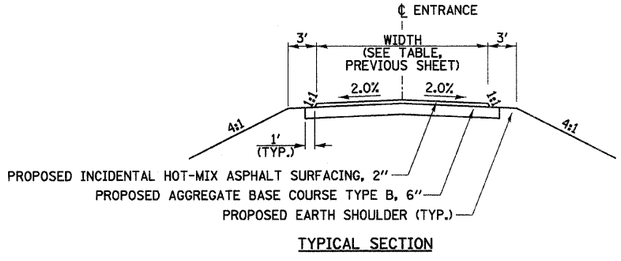
PLAN



OR



CROSS SECTION



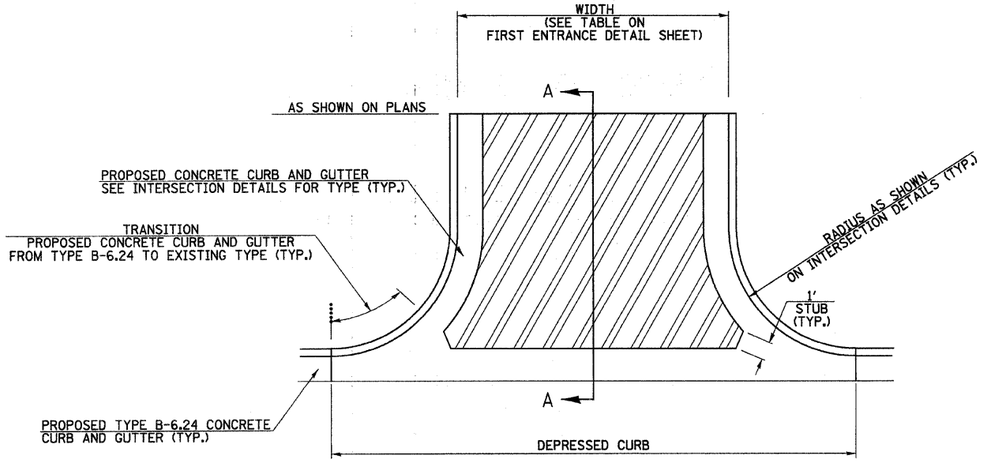
TYPICAL SECTION

FIELD ENTRANCE (FE) DETAILS WITH SIDEWALK

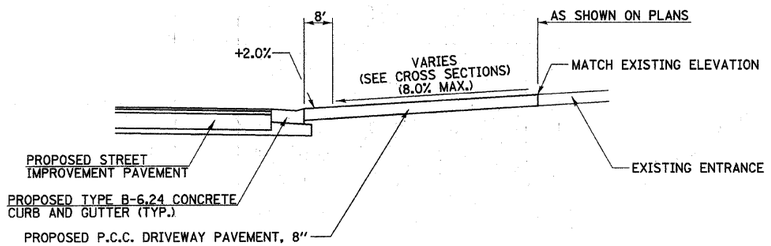
DETAIL D

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	122
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FEDERAL AID PROJECT		

CONTRACT NO. 87352



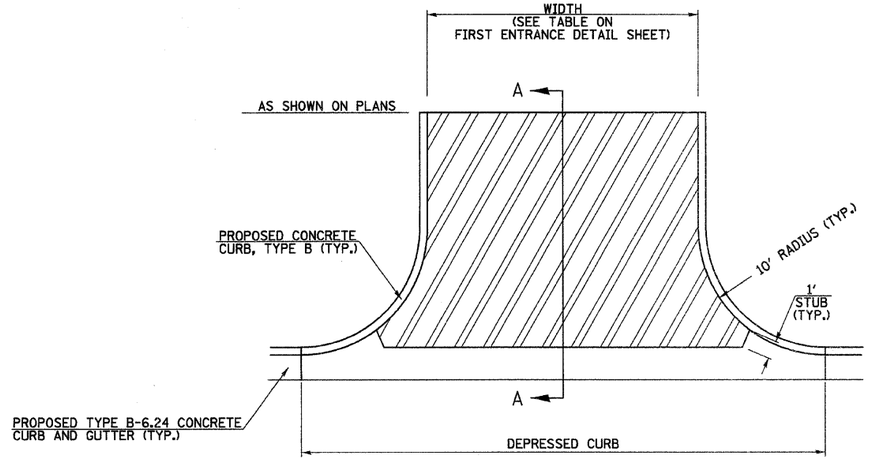
PLAN



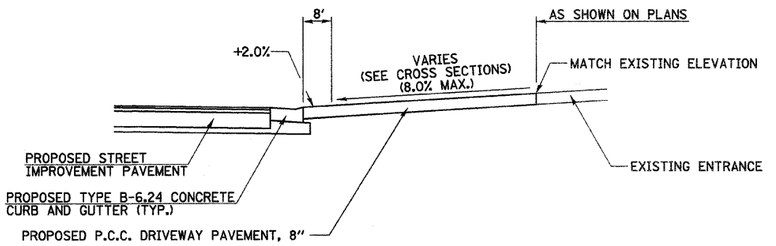
SECTION A-A

COMMERCIAL ENTRANCES WITH CURB & GUTTER

DETAIL E



PLAN



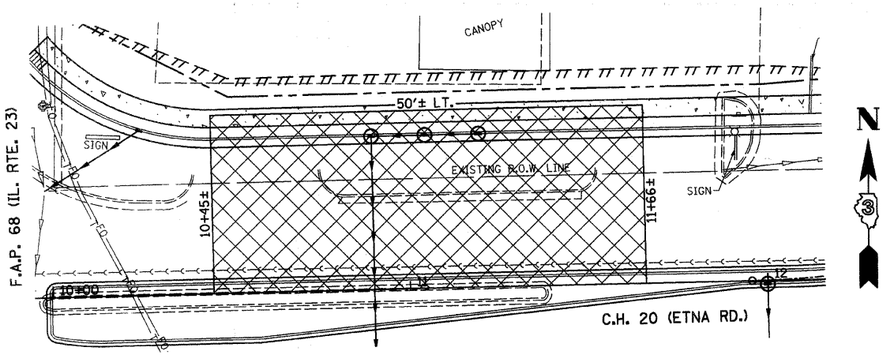
SECTION A-A

COMMERCIAL ENTRANCES WITH TYPE B CURB

DETAIL F

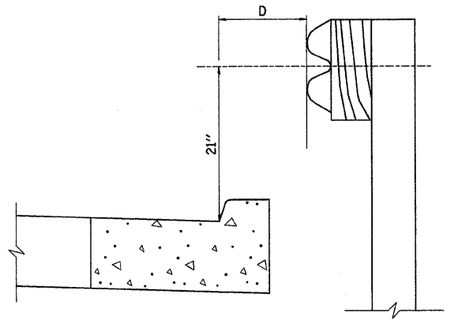
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH. 2	006-00275-00-PV	LaSALLE	218	123
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FEDERAL AID PROJECT		

CONTRACT NO. 87352



NON-SPECIAL WASTE LOCATION

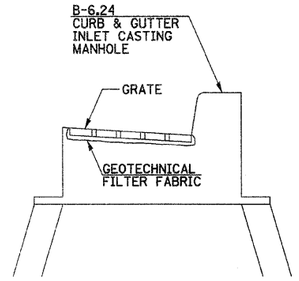
STA. 10+45± TO STA. 11+66± (C.H. 20 (ETNA RD.)
BASELINE TO 50'± LT.



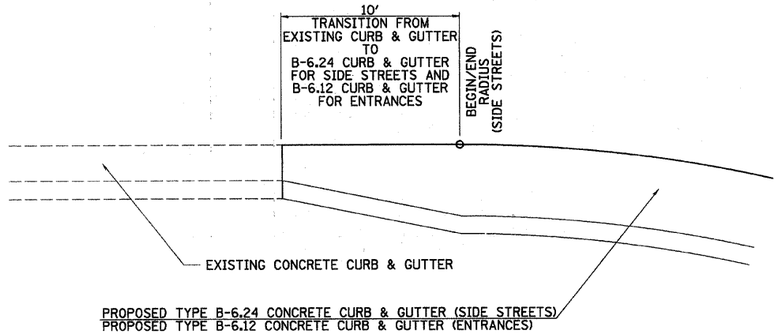
NOTE:
IF IT IS NECESSARY FOR D TO BE MORE THAN 12" AND LESS THAN 10'-0" TYPE M-2 CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

GUARDRAIL PLACED BEHIND CURB

(D = 0 DESIREABLE TO 12" MAXIMUM)

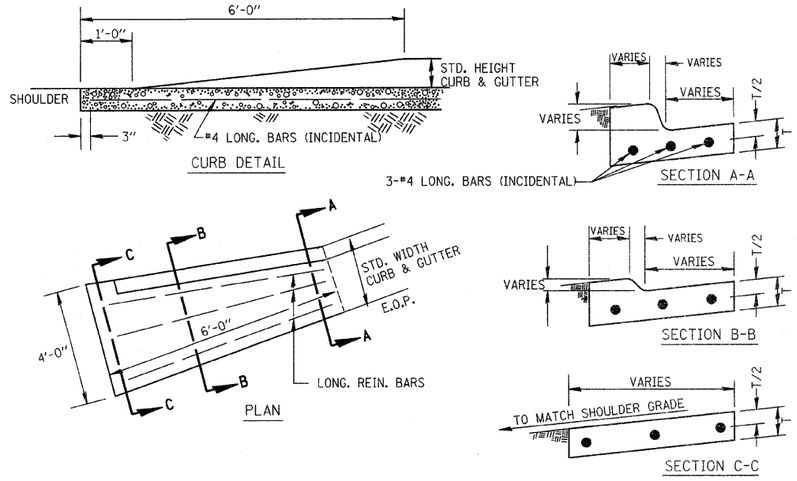


FILTER FABRIC-INLET PROTECTION DETAIL



CURB & GUTTER TRANSITION DETAIL

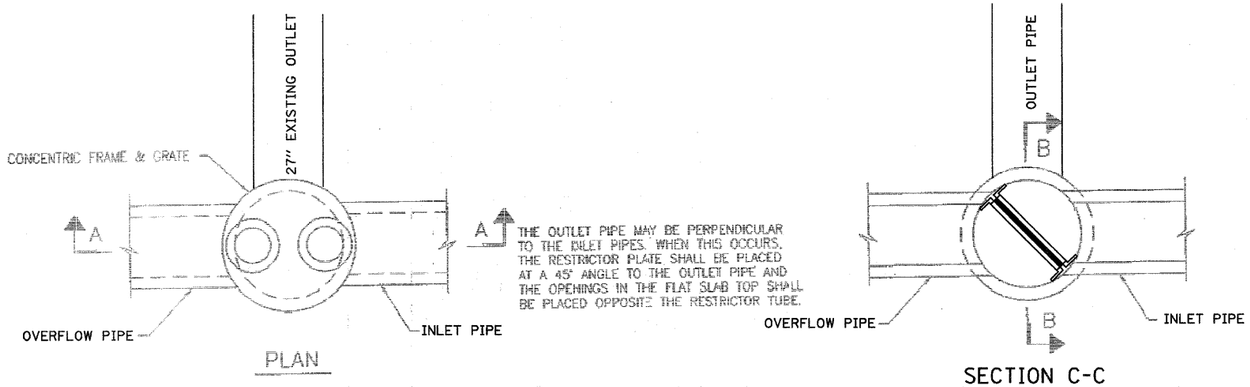
(APPLIES TO SIDE STREETS & ENTRANCES STA. 21+75.8 (LT.) & STA. 40+31.1 (RT.))



CURB & GUTTER OUTLET, SPECIAL

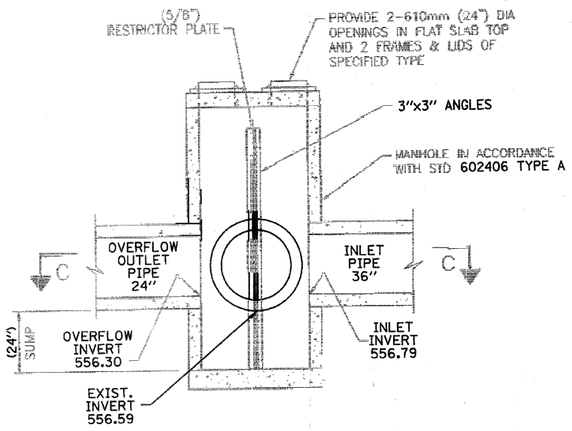
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	124
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

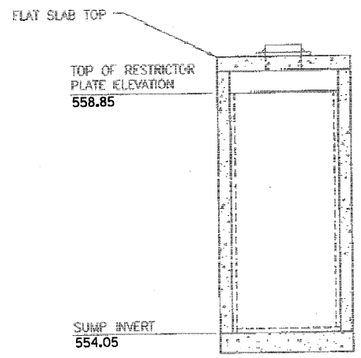


PLAN

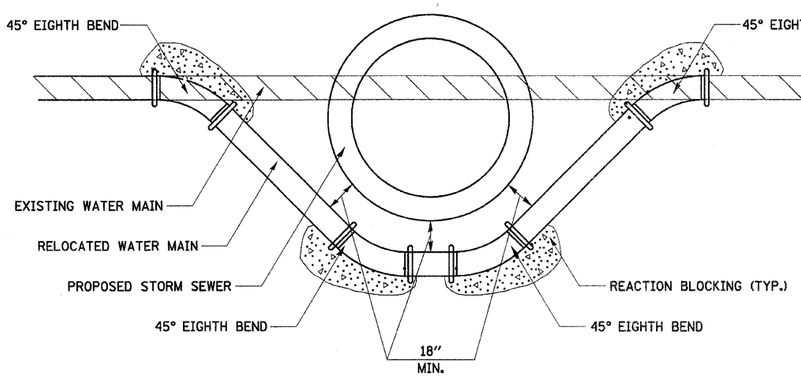
SECTION C-C



SECTION A-A



SECTION B-B



DETAIL OF LOWERING WATERMAIN

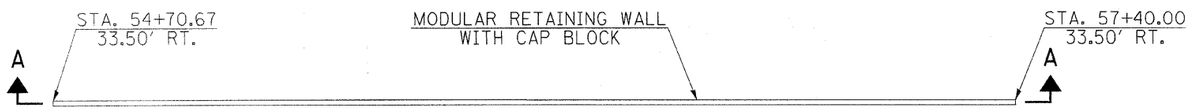
MANHOLE, TYPE A, 6' DIA., 2-TYPE 1 FRAMES, CLOSED LID, RESTRICTOR PLATE

STATION	OFFSET	RESTRICTOR HOLE DIAMETER	RESTRICTOR HOLE INVERT	TOP OF RESTRICTOR PLATE ELEV.
183+27.17	27.57' LT.	NONE	NONE	558.85

PROPOSED MODULAR RETAINING WALL DETAILS

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	125
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

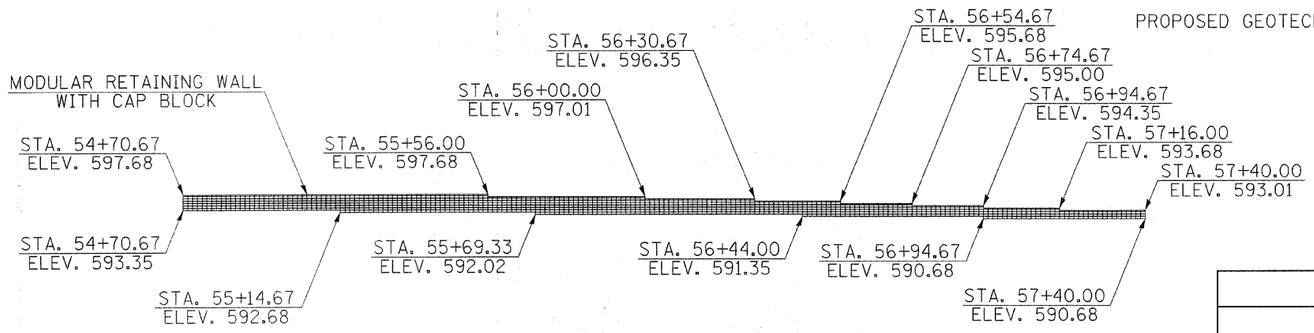
CONTRACT NO. 87352



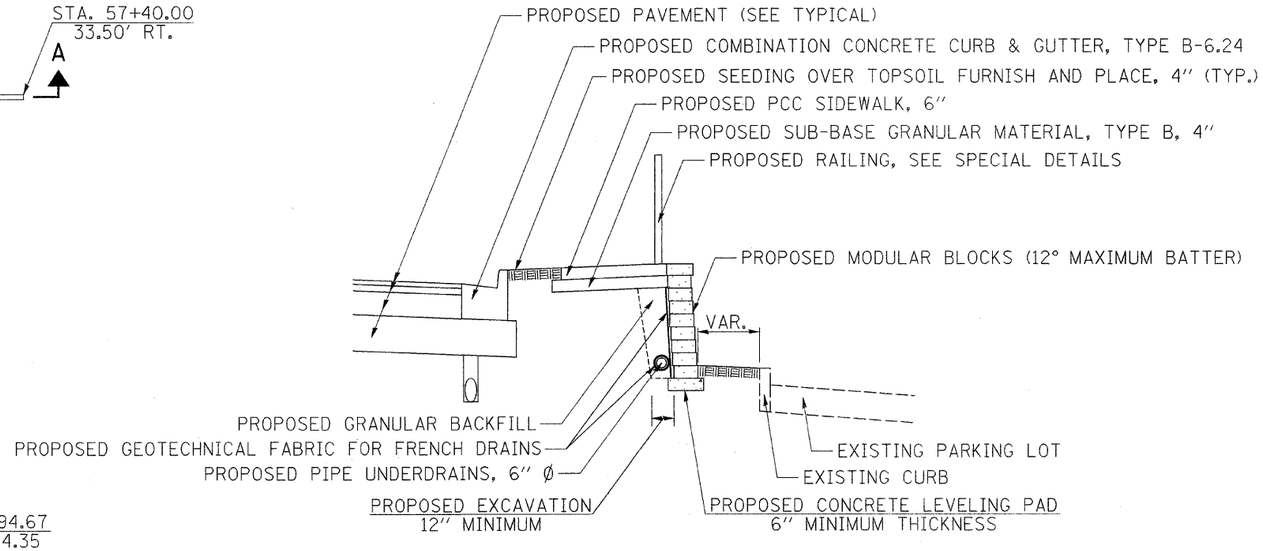


PLAN

NOT TO SCALE



ELEVATION A-A



TYPICAL SECTION

NOT TO SCALE

NOTES

OFFSETS REFER TO THE DISTANCE FROM ℄ ROADWAY TO THE FRONT FACE OF THE LOWEST BLOCK OF THE RETAINING WALL AT THE GIVEN STATION.

MODULAR RETAINING WALLS SHALL BE CONSTRUCTED TO MANUFACTURER'S SPECIFICATIONS AND TO THE APPROVAL OF THE ENGINEER.

THE SCHEMATIC REPRESENTATION SHOWN ASSUMES A 8"x16" (HEIGHTxLENGTH) BLOCK WITH A 4"x16" (HEIGHTxLENGTH) CAP BLOCK. APPROPRIATE ADJUSTMENTS SHALL BE MADE TO SUIT THE MANUFACTURER'S PRODUCT SIZE.

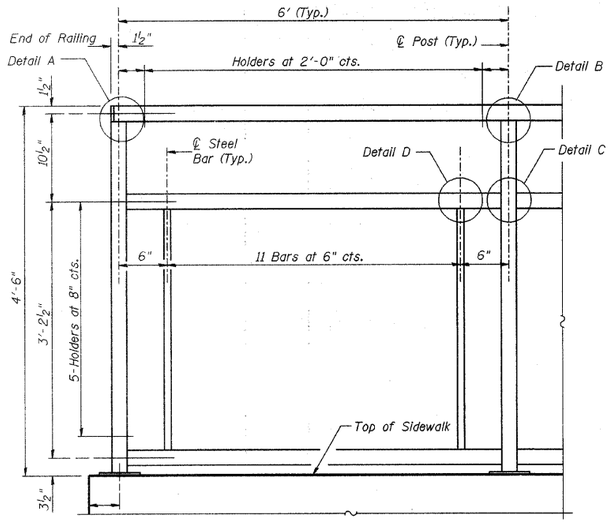
THIS WORK, INCLUDING EXCAVATION, GRANULAR BACKFILL, CONCRETE BLOCKS, CONCRETE LEVELING PAD, PERFORATED PIPE UNDERDRAINS, GRAVEL, GEOTECHNICAL FABRIC FOR FRENCH DRAINS, AND OTHER ACCESSORIES SHALL BE INCLUDED IN THE PAY ITEM "MODULAR RETAINING WALL SYSTEM".

LIST OF MATERIALS FOR MODULAR RETANING WALLS

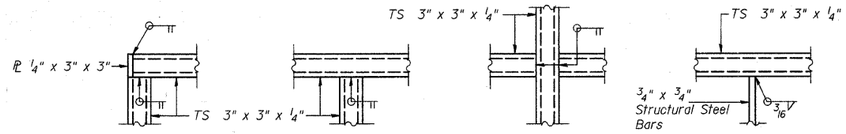
STATION	TO	STATION	BLOCK WALLS 3 COURSE	BLOCK WALLS 4 COURSE	BLOCK WALLS 5 COURSE	BLOCK WALLS 6 COURSE	BLOCK WALLS 7 COURSE	6" MIN CONCRETE LEVELING PAD	CAP BLOCK	PIPE UNDERDRAINS 6"	MODULAR RETAINING WALL	CAP BLOCK
			FOOT								SQ FT	
54+70.67	TO	55+14.67				44.00		44.00	44.00	44.00	176.00	14.7
55+14.67	TO	55+56.00					41.33	41.33	41.33	41.33	192.87	13.8
55+56.00	TO	55+69.33				13.33		13.33	13.33	13.33	53.32	4.4
55+69.33	TO	56+00.00					30.67	30.67	30.67	30.67	143.13	10.2
56+00.00	TO	56+30.67				30.67		30.67	30.67	30.67	122.68	10.2
56+30.67	TO	56+44.00			13.33			13.33	13.33	13.33	44.43	4.4
56+44.00	TO	56+54.67				10.67		10.67	10.67	10.67	42.68	3.6
56+54.67	TO	56+74.67			20.00			20.00	20.00	20.00	66.67	6.7
56+74.67	TO	56+94.67		20.00				20.00	20.00	20.00	53.33	6.7
56+94.67	TO	57+16.00		21.33				21.33	21.33	21.33	56.88	7.1
57+16.00	TO	57+40.00	24.00					24.00	24.00	24.00	48.00	8.0
		TOTAL	24.00	41.33	33.33	98.67	72.00	269.33	269.33	269.33	999.99	89.78
			24	42	34	99	72	270	270	270	1000	90
										USE	1090	

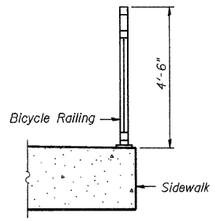
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	126
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



BICYCLE RAILING
ELEVATION





SECTION THRU SIDEWALK

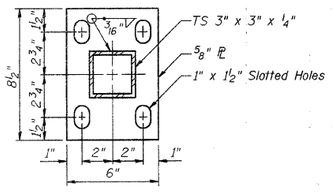
NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Bicycle Railing.

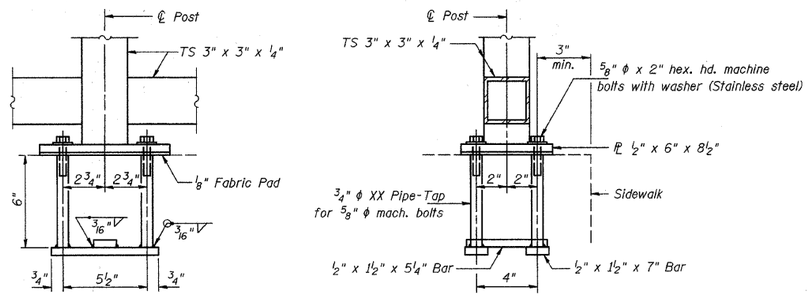
Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270M Grade 250.

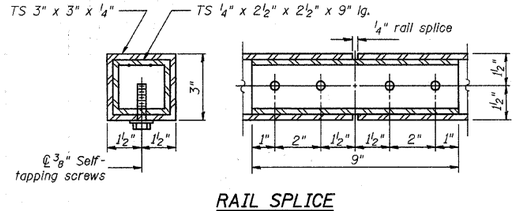
All post, railing, splices, anchor devices, and bent plates shall be painted with the inorganic zinc rich primer /acrylic/ acrylic paint system, for both shop and field painting. The color of the acrylic finish coat shall be Reddish Brown, Munsell No. 2.5 YR 3/4.



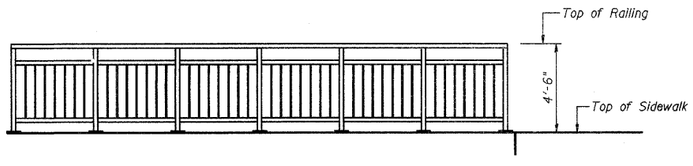
BASE ℄



ANCHOR BOLT DETAILS
(Typical)



RAIL SPLICE



BICYCLE RAILING
SIDE VIEW

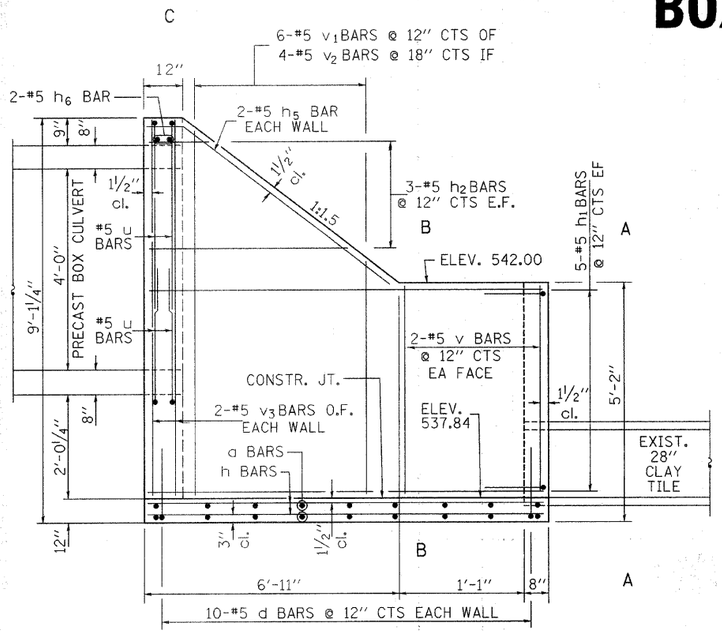
ITEM	QUANTITY
BICYCLE RAILING	269 FT.

BOX CULVERT END SECTION, CULVERT NO. 1

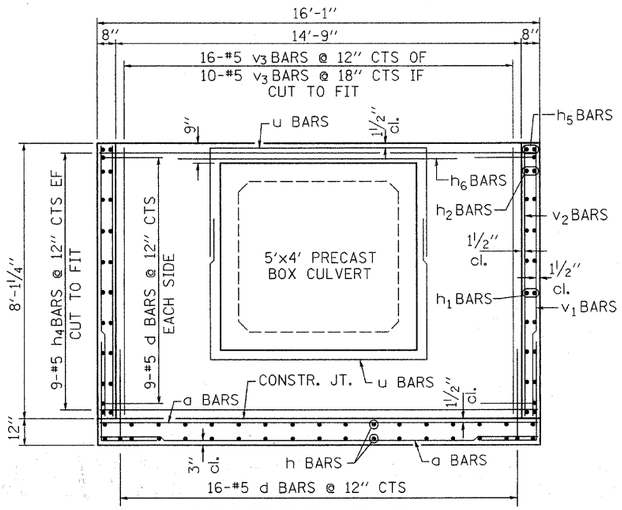
RT STA 163+30.1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	127
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

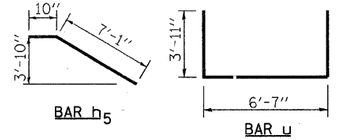
CONTRACT NO. 87352

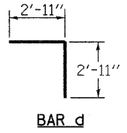


LONGITUDINAL SECTION



SECTION C–C

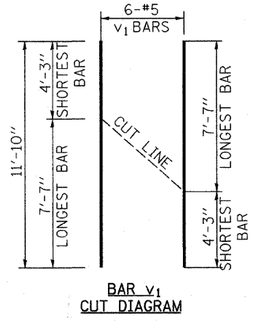




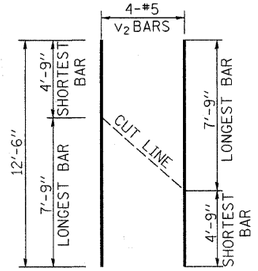
BILL OF MATERIALS

(FOR INFORMATION ONLY)

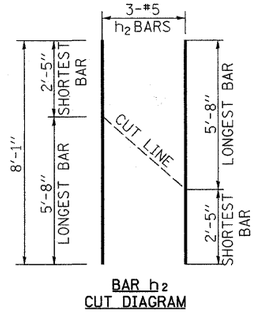
BAR	NO.	SIZE	LENGTH	SHAPE
a	20	5	15'-10"	
d	84	5	5'-10"	
h	34	5	8'-5"	
h1	20	5	8'-5"	
h2	6	5	8'-1"	
h3	10	5	15'-10"	
h4	18	5	15'-10"	
h5	4	5	7'-11"	
h6	2	5	10'-8"	
h7	8	5	4'-6"	
v	34	5	3'-11"	
v1	6	5	11'-10"	
v2	4	5	12'-6"	
v3	30	5	7'-10"	
u	4	5	14'-5"	
CLASS "SI" CONCRETE			CU YD	13.4
REINFORCEMENT BARS			LB	2,490



BAR v_1 CUT DIAGRAM



BAR v_2 CUT DIAGRAM



BAR h_2 CUT DIAGRAM

ORDER v_1, v_2 & h_2 BARS FULL LENGTH. CUT AS SHOWN AND USE REMAINDER OF BARS IN OPPOSITE WALL.

GENERAL NOTES:

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "BOX CULVERT END SECTION CULVERT NO. 1".

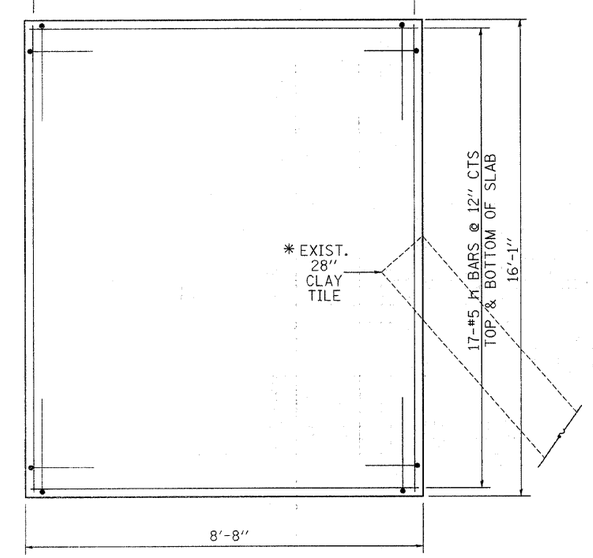
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60 (IL MODIFIED). SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.
SEE CROSS SECTION SHEET FOR MORE INFORMATION.

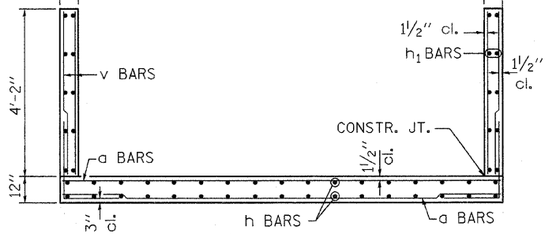
THIS WORK SHALL BE DONE ACCORDING TO THE APPLICABLE PORTION OF 503, 504, 508 AND 540 OF THE STANDARD SPECIFICATIONS.

EXPOSED EDGES SHALL BE BEVELED ¾".

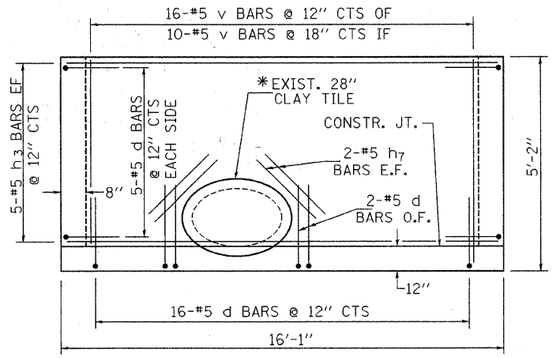
THE COST OF EARTH EXCAVATION, WHERE REQUIRED, AND NECESSARY GRADING TO FIT THE INLET AS SHOWN IN THE CROSS SECTIONS OR TO THE SLOPE IS INCLUDED IN COST OF "BOX CULVERT END SECTION CULVERT NO. 1".



BOTTOM SLAB PLAN VIEW



SECTION B–B



VIEW A–A

MIN. LAP LENGTH
#5 = 2'-2"

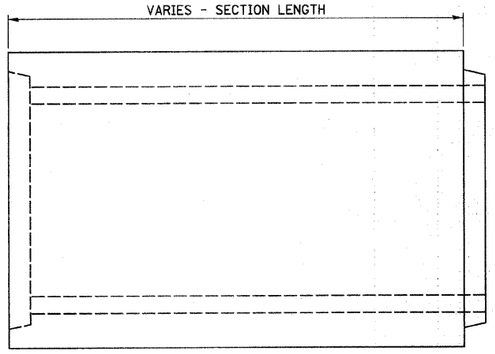
* CUT EXIST. TILE FLUSH WITH INSIDE FACE OF DROP BOX.

BOX CULVERT END SECTION, CULVERT NO. 2

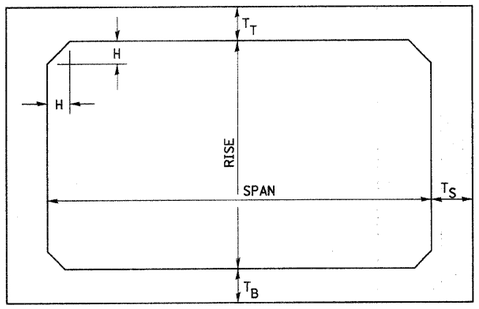
LT STA 163 + 30.1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	128
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



ELEVATION



NOTE: THE HAUNCH DIMENSION H, IS EQUAL TO THE WALL THICKNESS T_S.

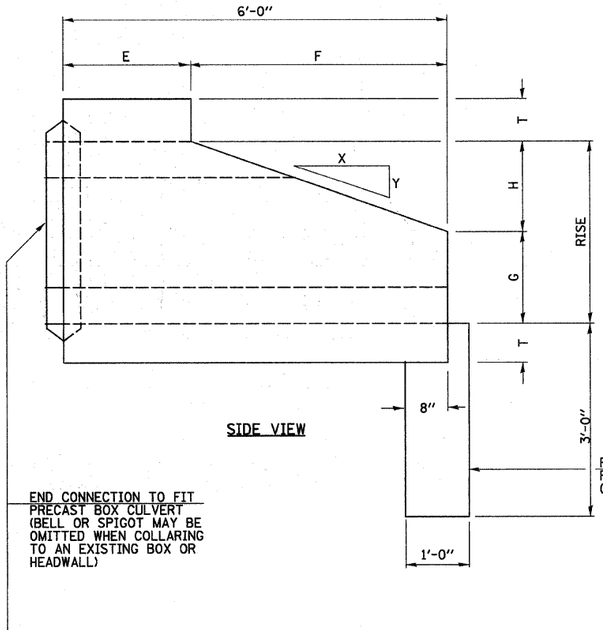
TYPICAL BOX SECTION

SPAN, FEET	T_T, INCHES		T_B, INCHES		T_S, INCHES	
	M 259	M 273	M 259	M 273	M 259	M 273
3	4	7	4	6	4	4
4	5	7½	5	6	5	5
5	6	8	6	7	6	6
6	7	8	7	7	7	7
7	8	8	8	8	8	8
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12

TYPICAL THICKNESSES

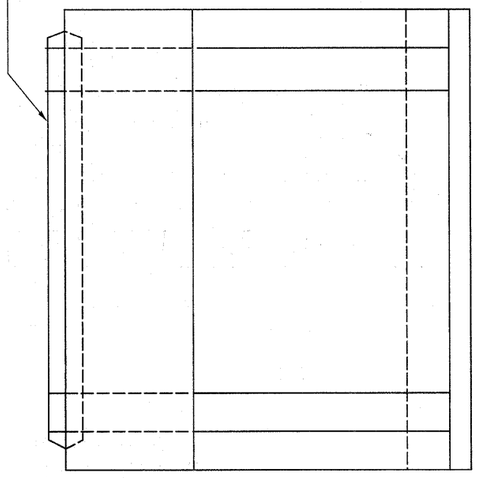
GENERAL NOTE: MINIMUM COVER FOR BOX CULVERTS SHALL BE 6".

PRECAST CONCRETE BOX SECTION

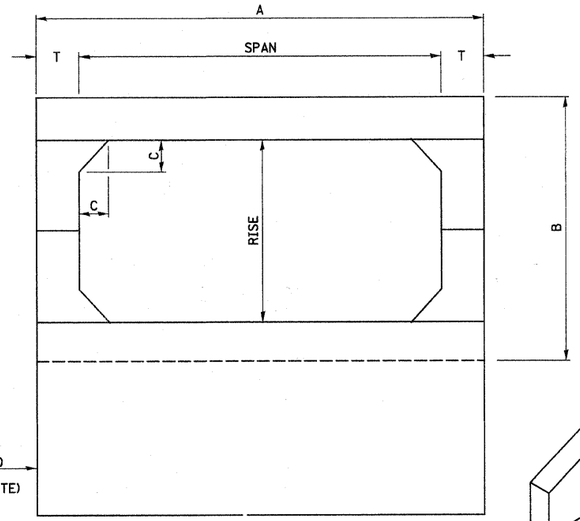


SIDE VIEW

END CONNECTION TO FIT PRECAST BOX CULVERT (BELL OR SPIGOT MAY BE OMITTED WHEN COLLARING TO AN EXISTING BOX OR HEADWALL)

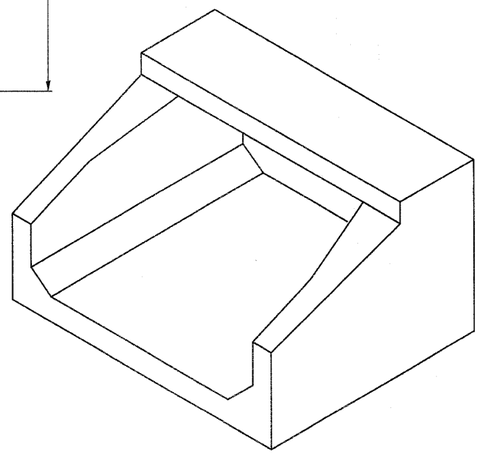


PLAN



PRECAST OR FIELD POURED TOEWALL (CLASS SI CONCRETE)

END VIEW



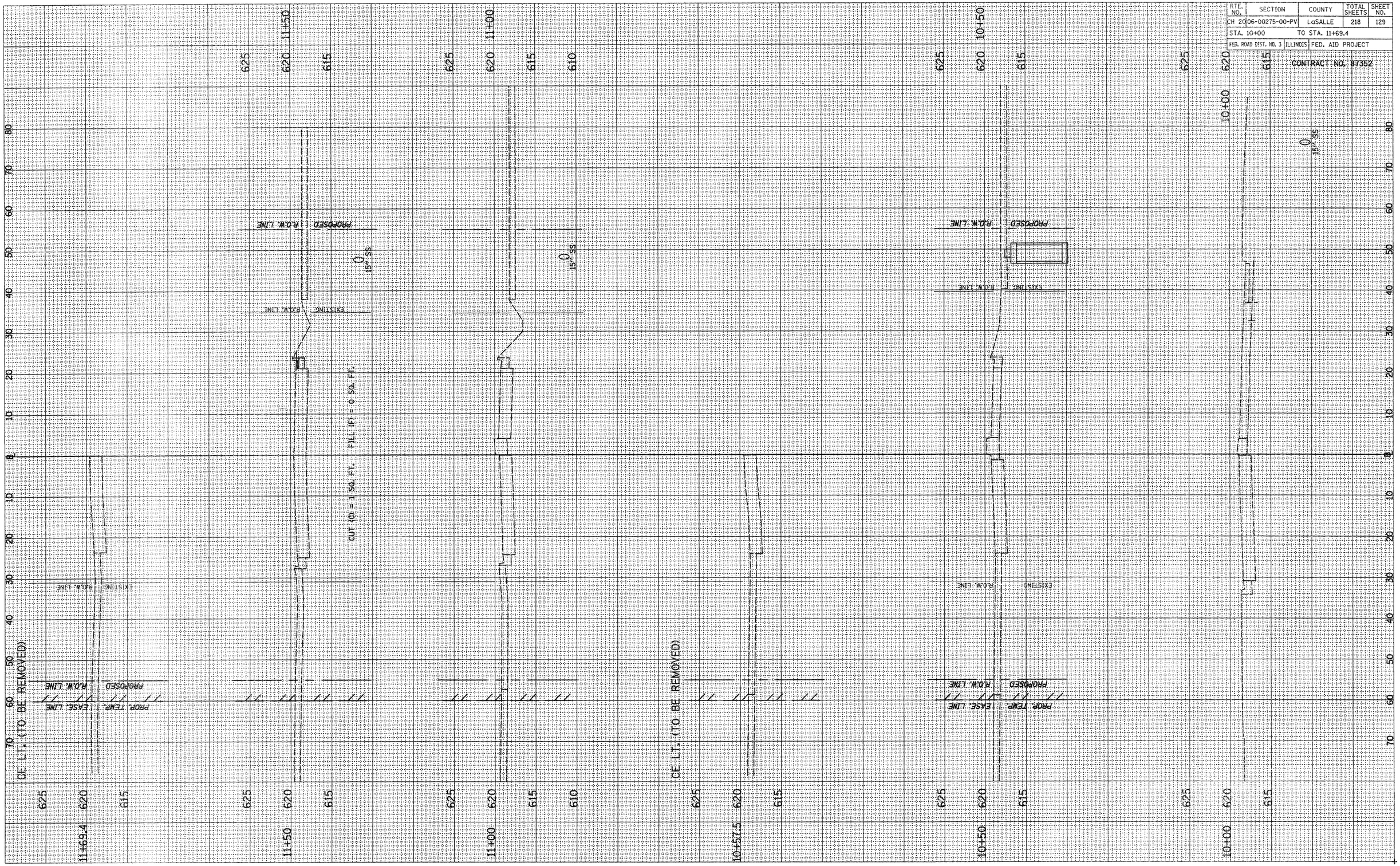
ISOMETRIC VIEW

SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE
2' X 2'	4	2 - 8	2 - 8	4	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
3' X 2'	4	3 - 8	2 - 8	4	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
3' X 3'	4	3 - 8	3 - 8	4	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
4' X 2'	5	4 - 10	2 - 10	5	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
4' X 3'	5	4 - 10	3 - 10	5	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
4' X 4'	5	4 - 10	4 - 10	5	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
5' X 2'	6	6 - 0	3 - 0	6	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
5' X 3'	6	6 - 0	4 - 0	6	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
5' X 4'	6	6 - 0	5 - 0	6	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
5' X 5'	6	6 - 0	6 - 0	6		4 - 0	3 - 0	2 - 0	2 : 1
6' X 2'	7	7 - 2	3 - 2	7	3 - 0	3 - 0	1 - 0	1 - 0	3 : 1
6' X 3'	7	7 - 2	4 - 2	7	2 - 0	4 - 0	1 - 8	1 - 4	3 : 1
6' X 4'	7	7 - 2	5 - 2	7	2 - 0	4 - 0	2 - 0	2 - 0	2 : 1
6' X 5'	7	7 - 2	6 - 2	7		4 - 0	3 - 0	2 - 0	2 : 1
7' X 3'	8	8 - 4	4 - 4	8		4 - 0	1 - 8	1 - 4	3 : 1
7' X 4'	8	8 - 4	5 - 4	8		4 - 0	2 - 0	2 - 0	2 : 1
7' X 5'	8	8 - 4	6 - 4	8		4 - 0	3 - 0	2 - 0	2 : 1
8' X 3'	8	9 - 4	4 - 4	8		4 - 0	1 - 8	1 - 4	3 : 1
8' X 4'	8	9 - 4	5 - 4	8		4 - 0	2 - 0	2 - 0	2 : 1
8' X 5'	8	9 - 4	6 - 4	8		4 - 0	3 - 0	2 - 0	2 : 1
9' X 3'	9	10 - 6	4 - 6	9		4 - 0	1 - 8	1 - 4	3 : 1
9' X 4'	9	10 - 6	5 - 6	9		4 - 0	2 - 0	2 - 0	2 : 1
9' X 5'	9	10 - 6	6 - 6	9		4 - 0	3 - 0	2 - 0	2 : 1
10' X 4'	10	11 - 8	5 - 9	10		4 - 0	2 - 0	2 - 0	2 : 1
10' X 5'	10	11 - 8	6 - 8	10		4 - 0	3 - 0	2 - 0	2 : 1

PRECAST CONCRETE BOX CULVERT END SECTION

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	129
STA. 10+00		TO STA. 11+69.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

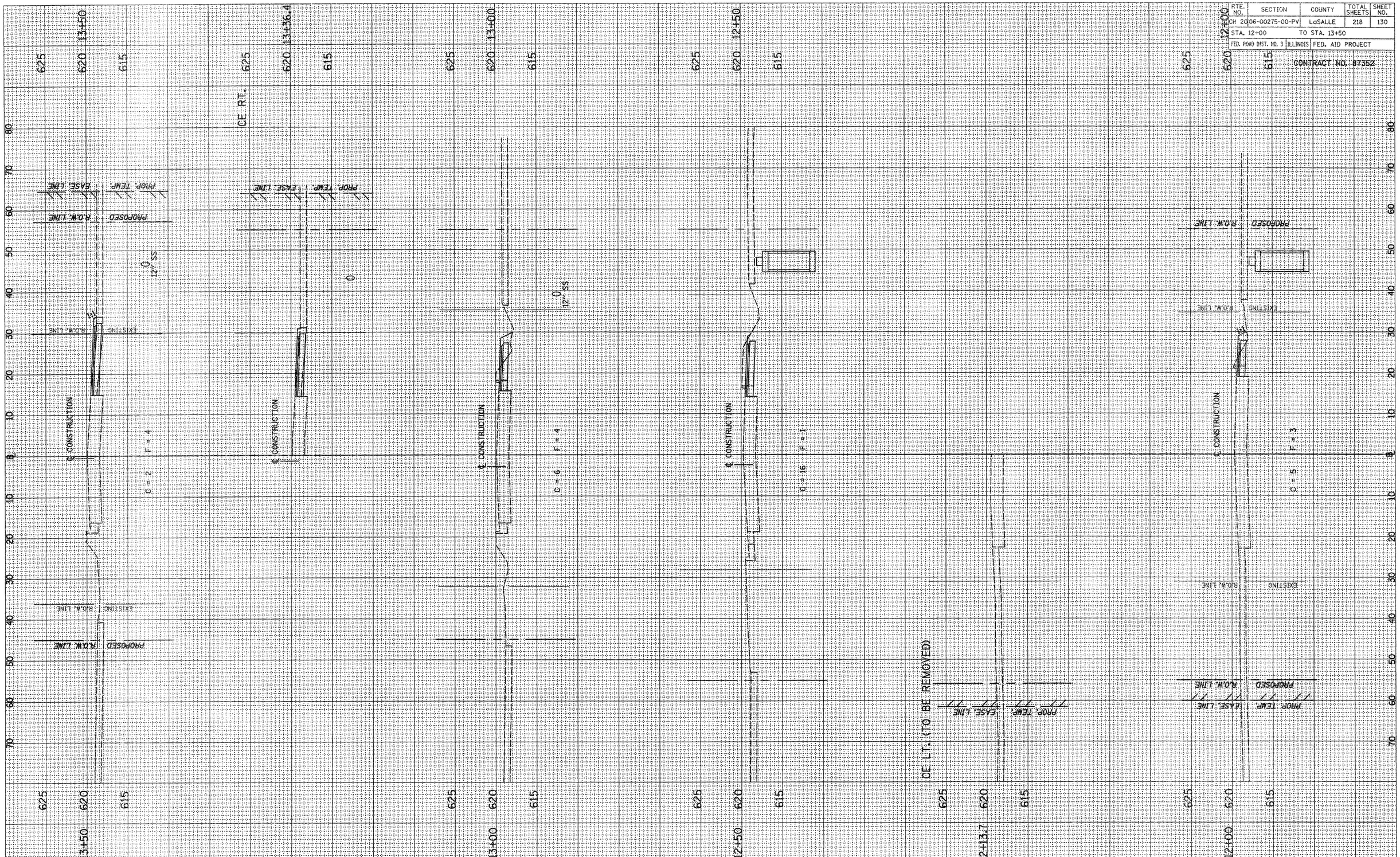


2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 10+00 TO STA. 11+69.4

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	130
STA. 12+00	TO STA. 13+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

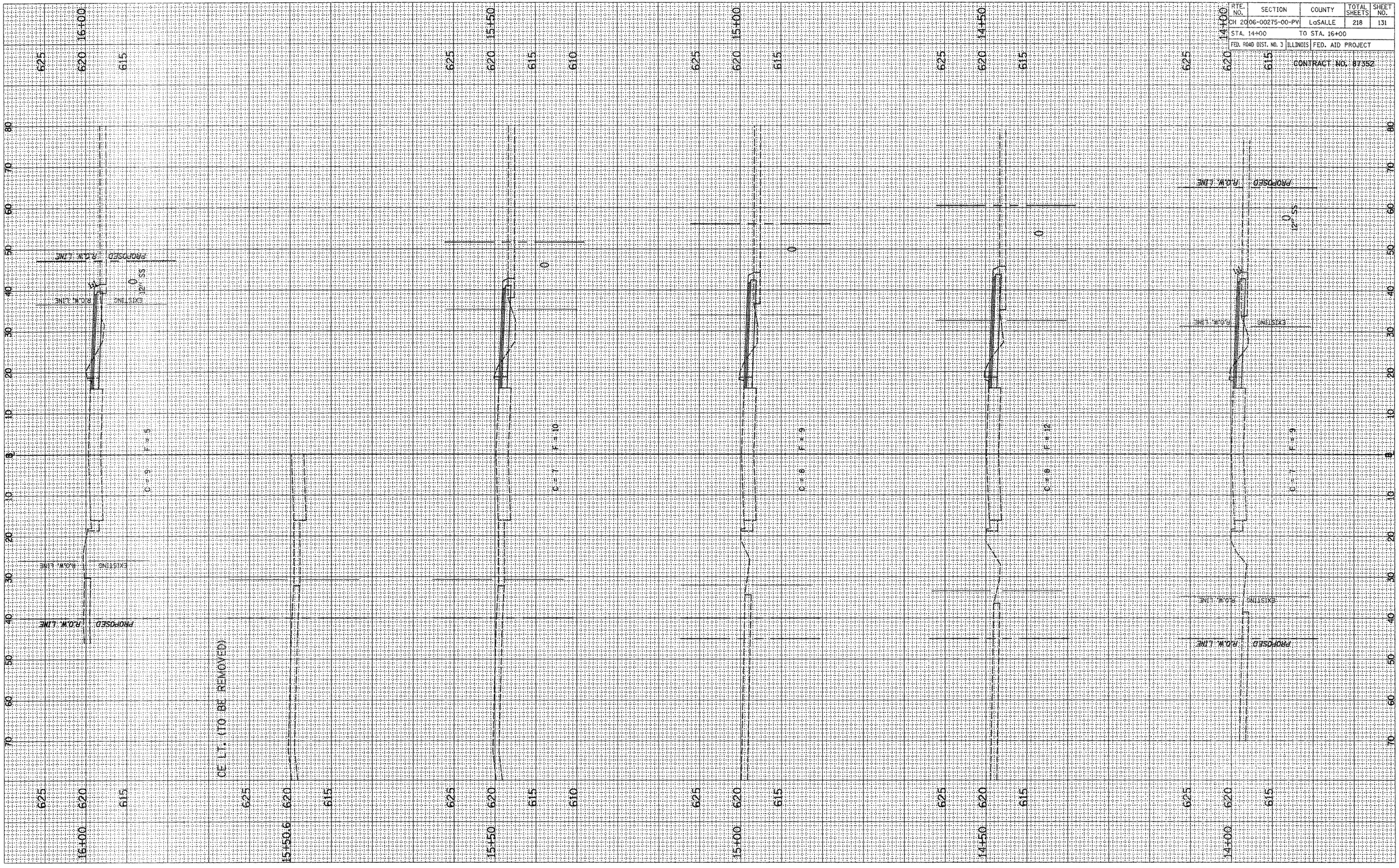


2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 12+00 TO STA. 13+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	131
STA. 14+00	TO STA. 16+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 14+00 TO STA. 16+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	132
STA. 16+50	TO STA. 18+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

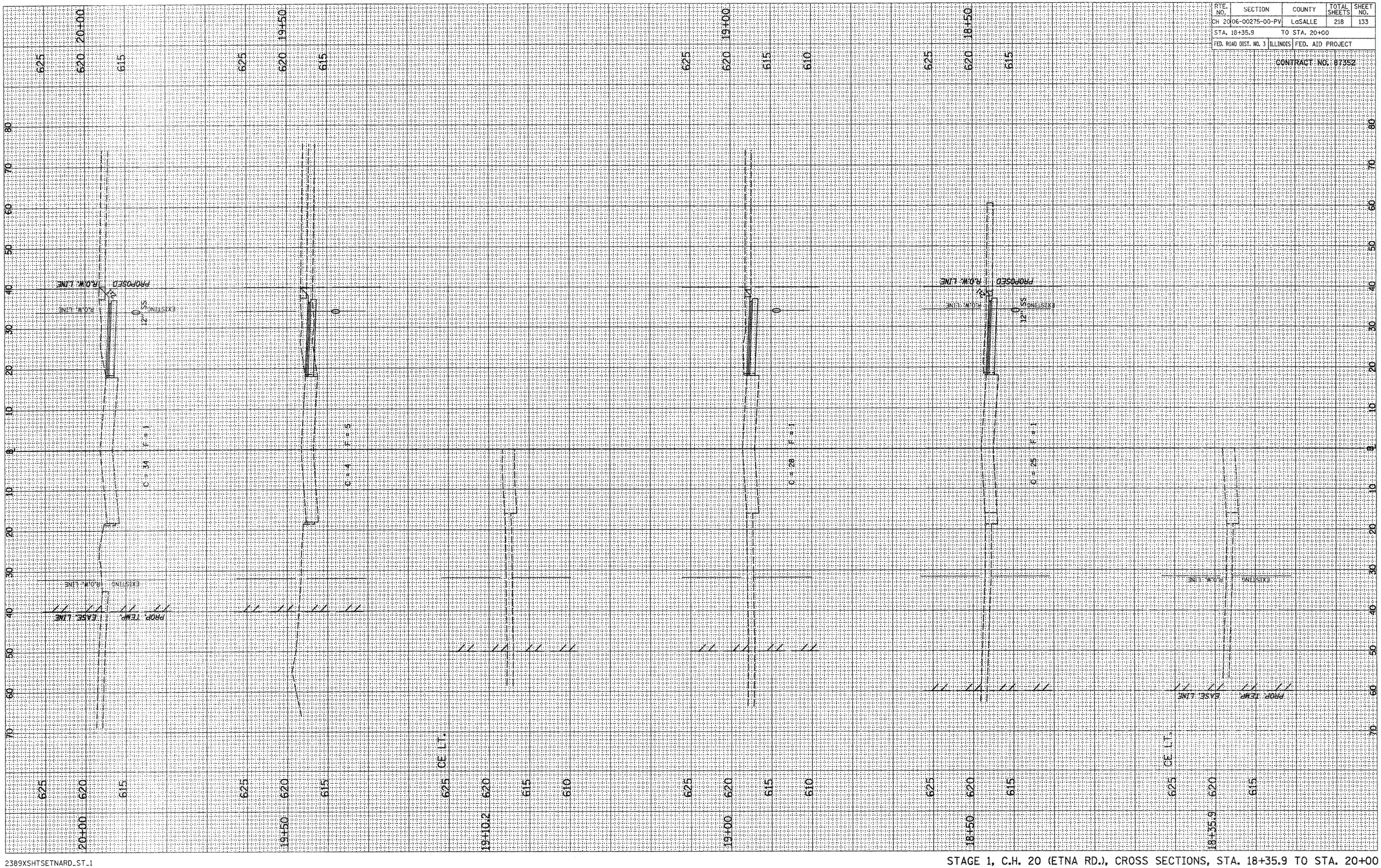
CONTRACT NO. 87352

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 16+50 TO STA. 18+00

2389XSHTSETNARD_ST_1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	133
STA. 18+35.9		TO STA. 20+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

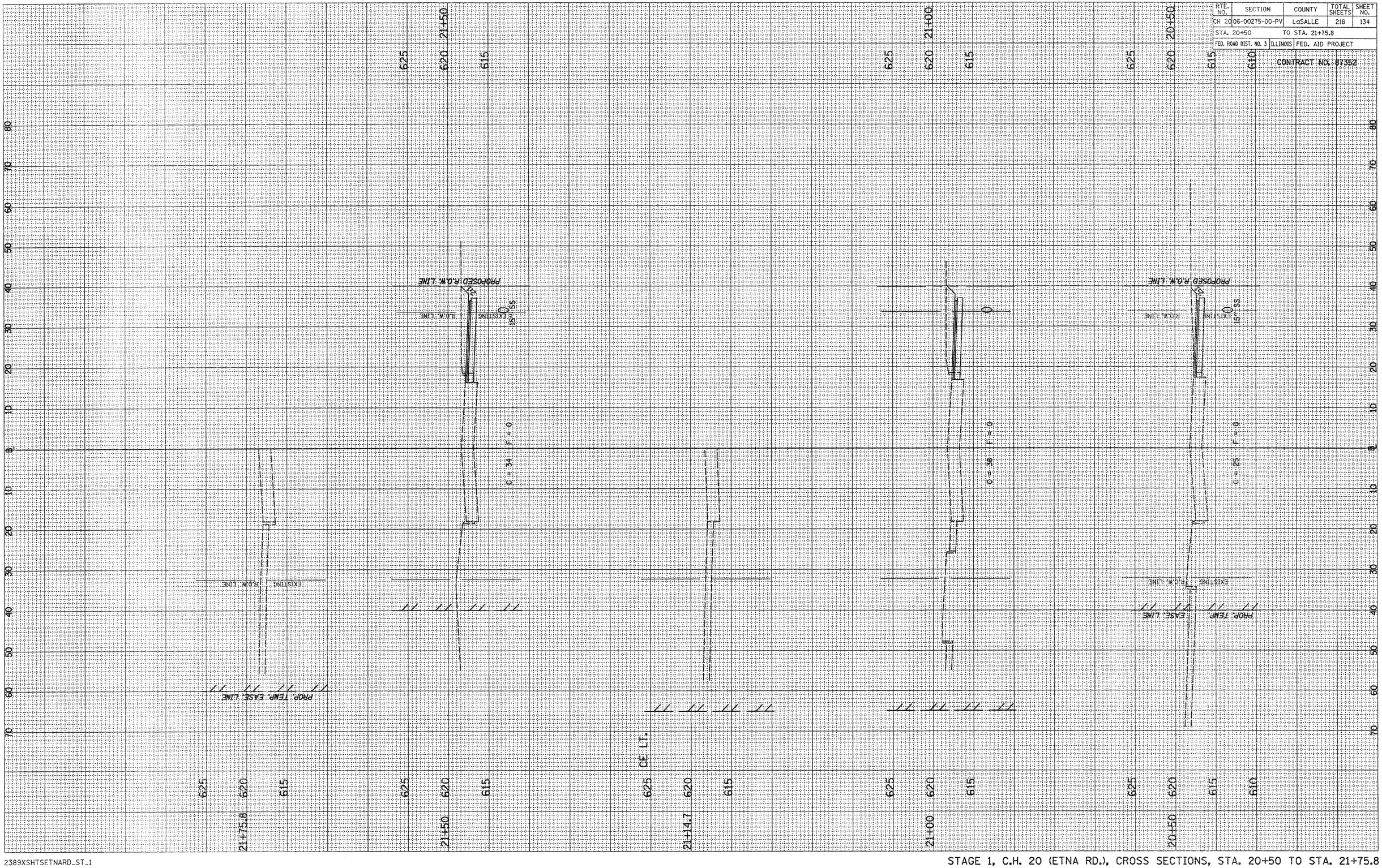


2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 18+35.9 TO STA. 20+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	134
STA. 20+50		TO STA. 21+75.8		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

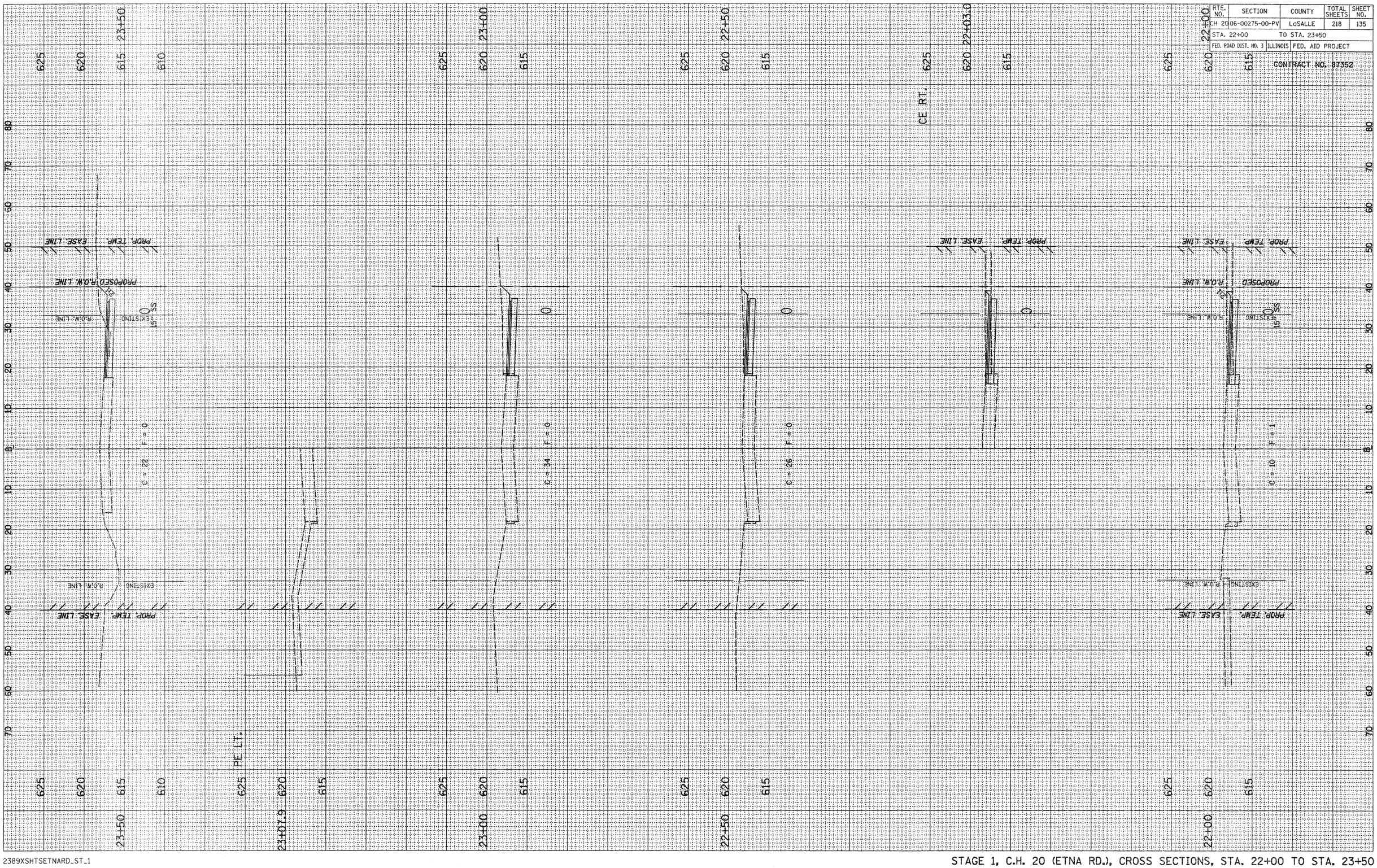


2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 20+50 TO STA. 21+75.8

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	135
STA. 22+00		TO STA. 23+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

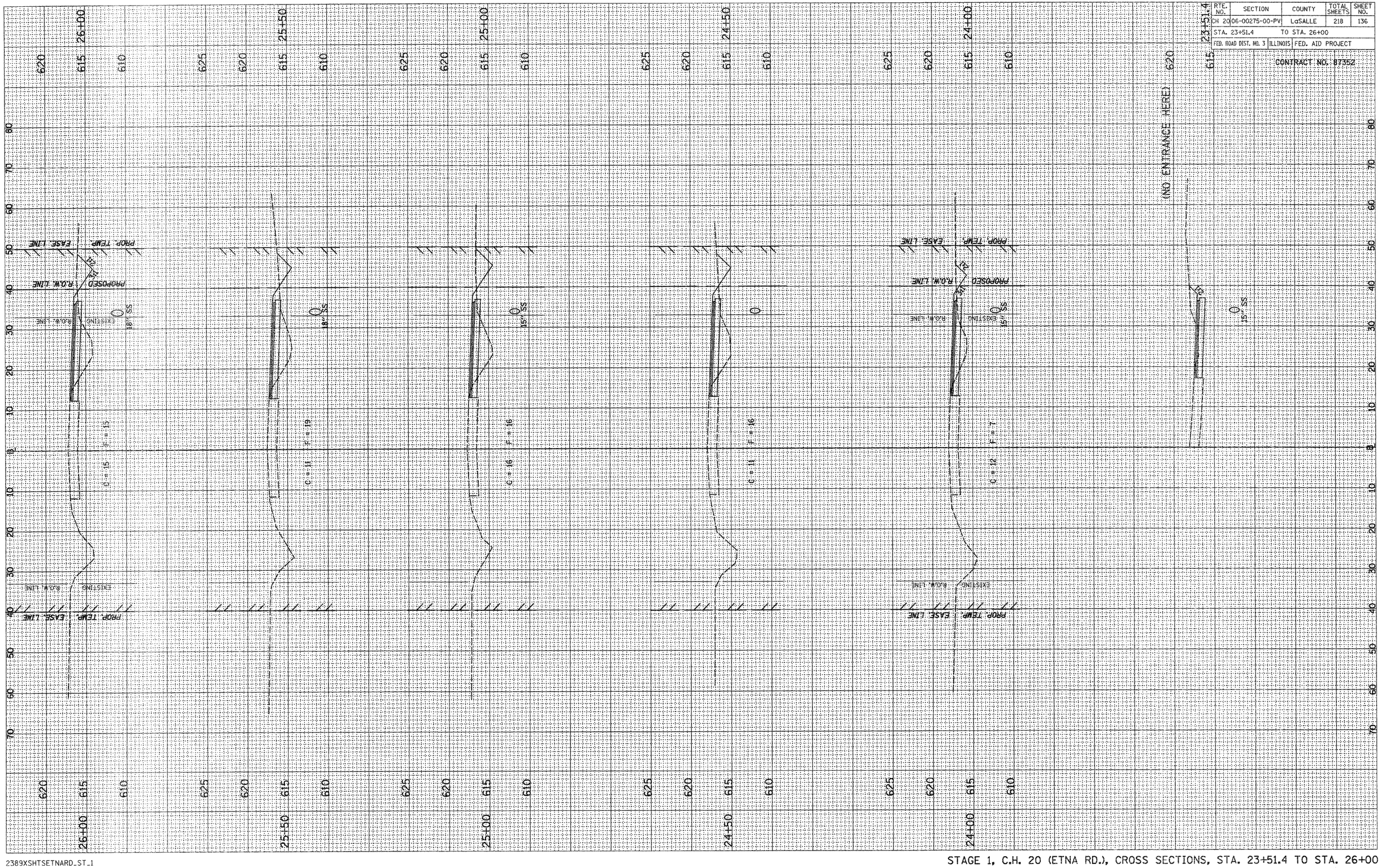


2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 22+00 TO STA. 23+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	136
STA. 23+51.4		TO STA. 26+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 23+51.4 TO STA. 26+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	137
STA. 26+50		TO STA. 28+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

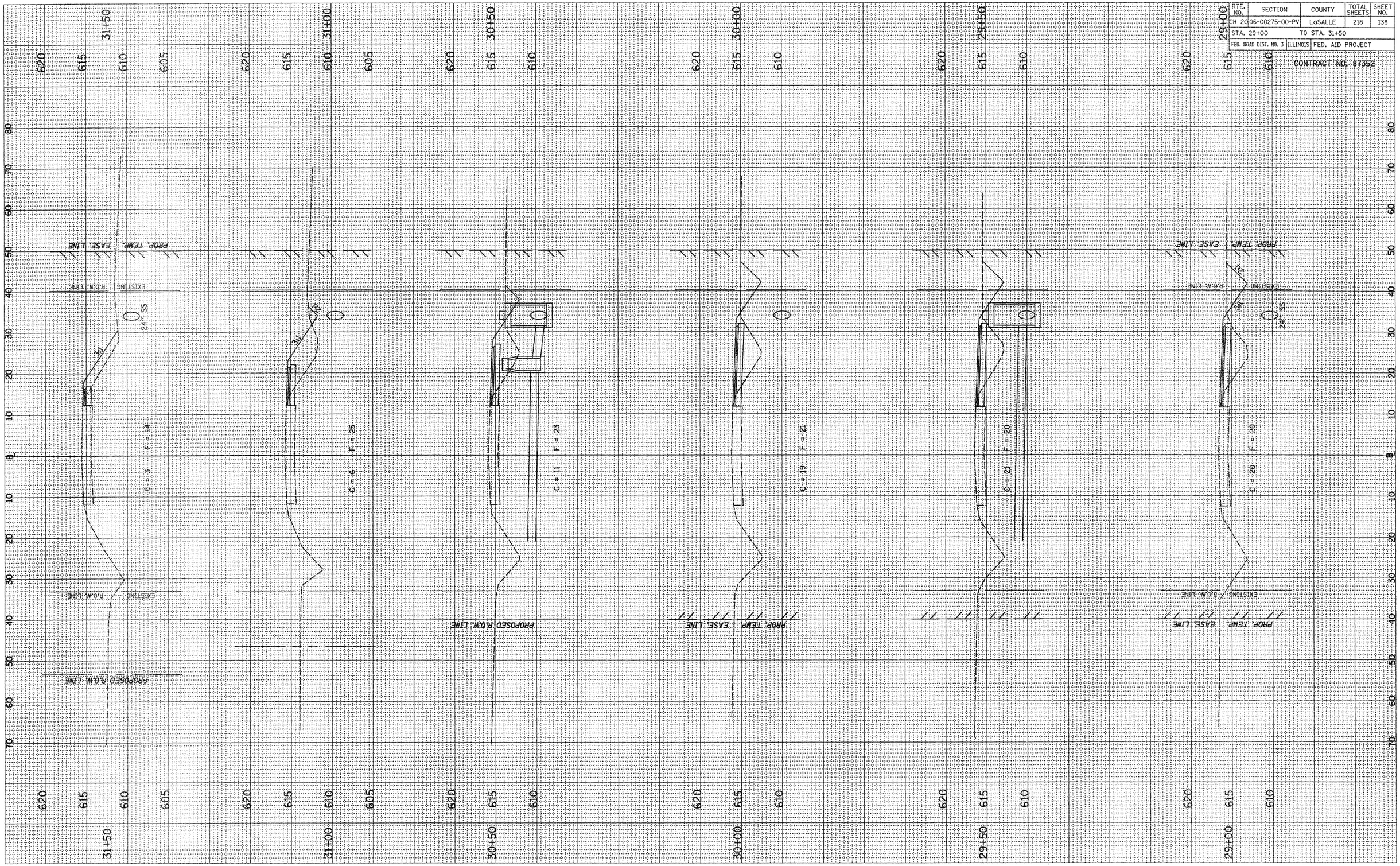
CHERRIE LN.

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 26+50 TO STA. 28+50

2389XSHTSETNARD_ST_1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	138
STA. 29+00		TO STA. 31+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 29+00 TO STA. 31+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	139
STA. 31+94.4		TO STA. 33+38.2		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

CONTINUE INSTALLING STORM SEWER TRUNK LINE ALONG SOUTHSIDE OF ROADWAY & LATERALS TO C.H. 20 (CHAMPLAIN ST.)

CE RT.

EXISTING

R.O.W. LINE

30" SS

15" DMP

PROP. TEMP. EASE. LINE

PROPOSED R.O.W. LINE

X-ROAD CULVERT

CUT (C) = 0 SQ. FT. FILL (F) = 0

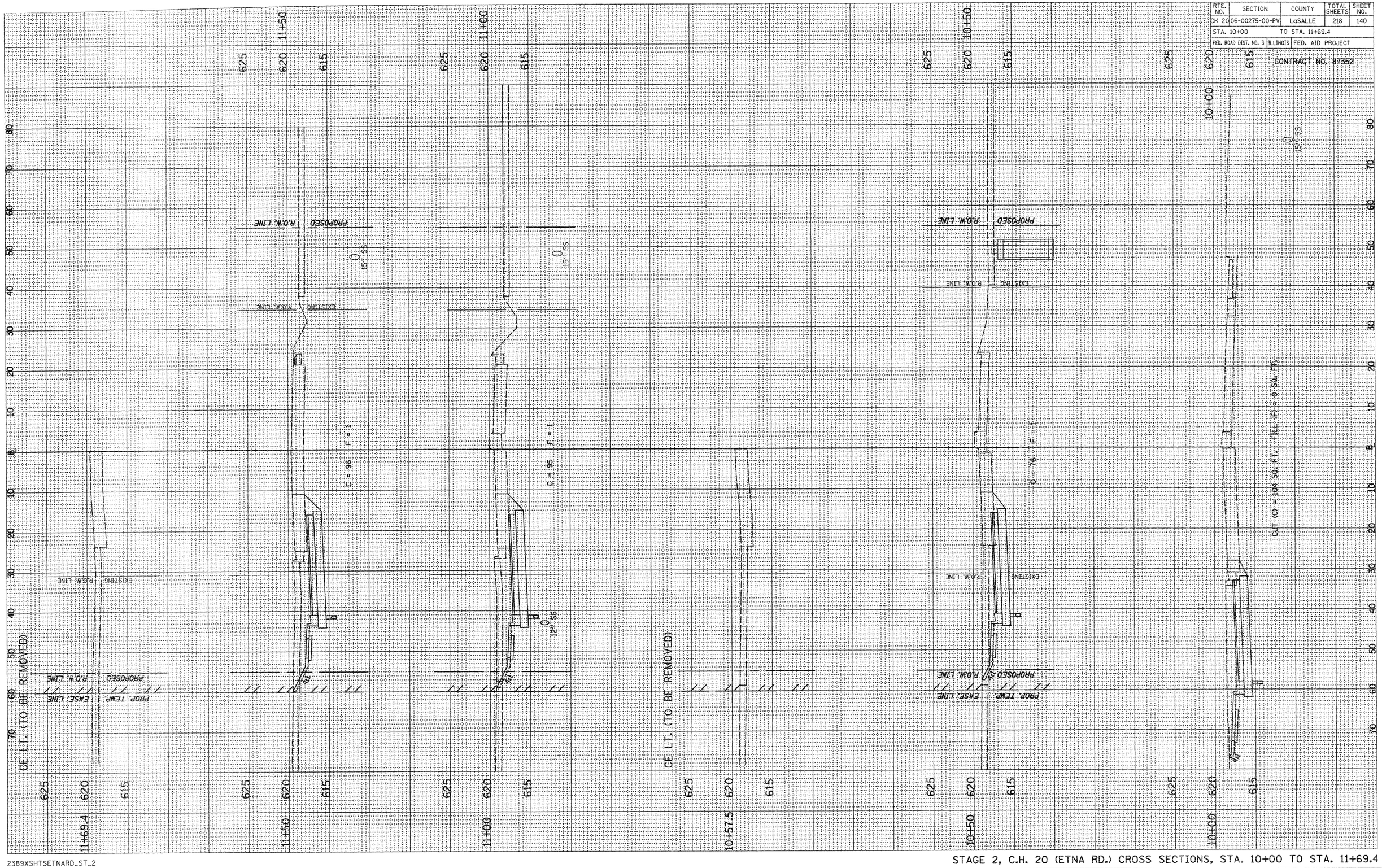
33+38.2 33+09.7 33+00 32+50 32+00 31+94.4

2389XSHTSETNARD_ST_1

STAGE 1, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 31+94.4 TO STA. 33+38.2

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	140
STA. 10+00		TO STA. 11+69.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 10+00 TO STA. 11+69.4

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	141
STA. 12+00		TO STA. 13+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

CE RT.

CE LT. (TO BE REMOVED)

PROP. TEMP. | EASE. LINE | PROPOSED | R.O.W. LINE | EXISTING

℄ CONSTRUCTION

C = 56 F = 3

C = 82 F = 0

C = 108 F = 0

C = 100 F = 7

12" SS

SD 617.92

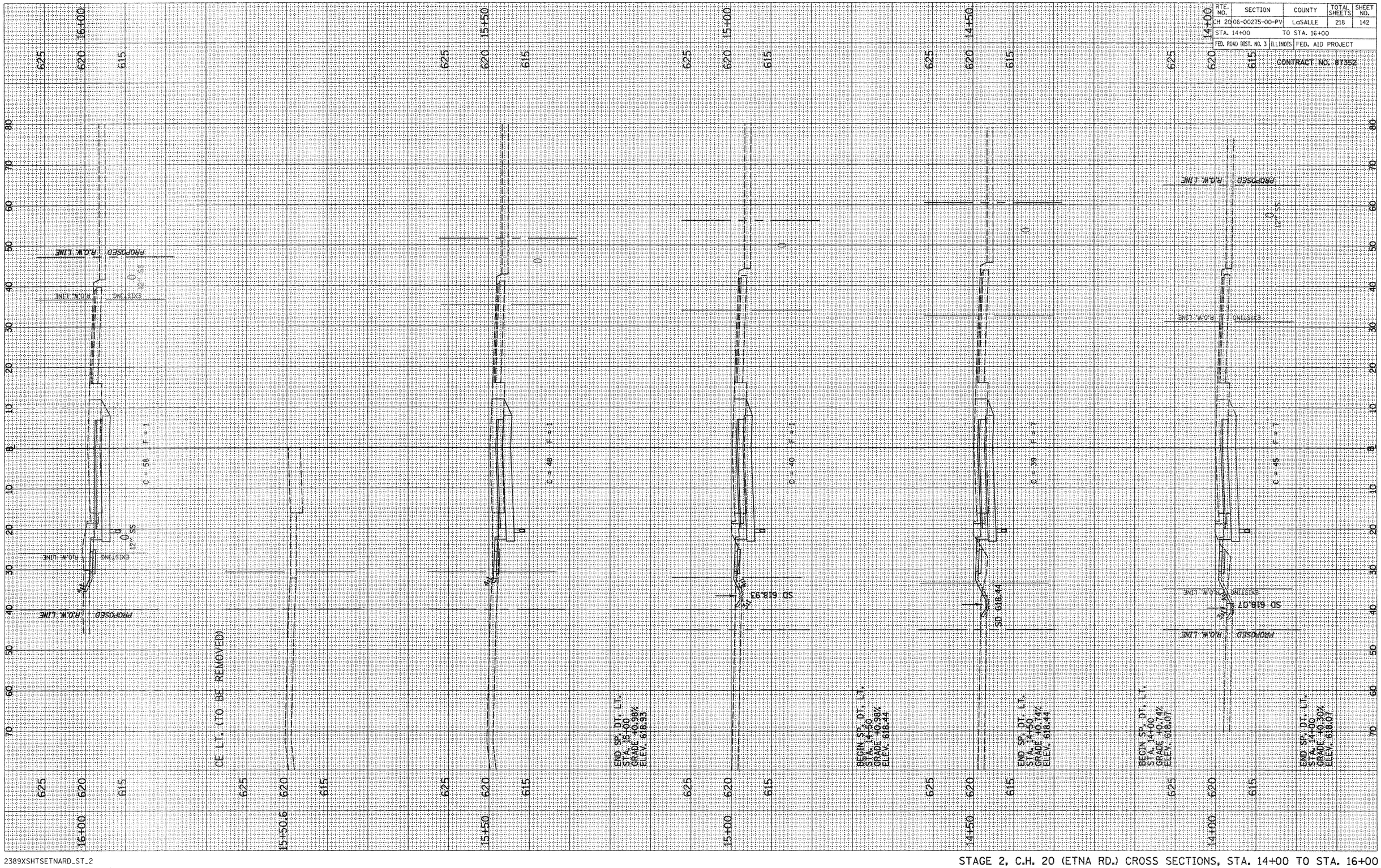
BEGIN SP, DT, LT.
STA. 13+50
GRADE +0.39%
ELEV. 617.92

2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 12+00 TO STA. 13+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	142
STA. 14+00		TO STA. 16+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

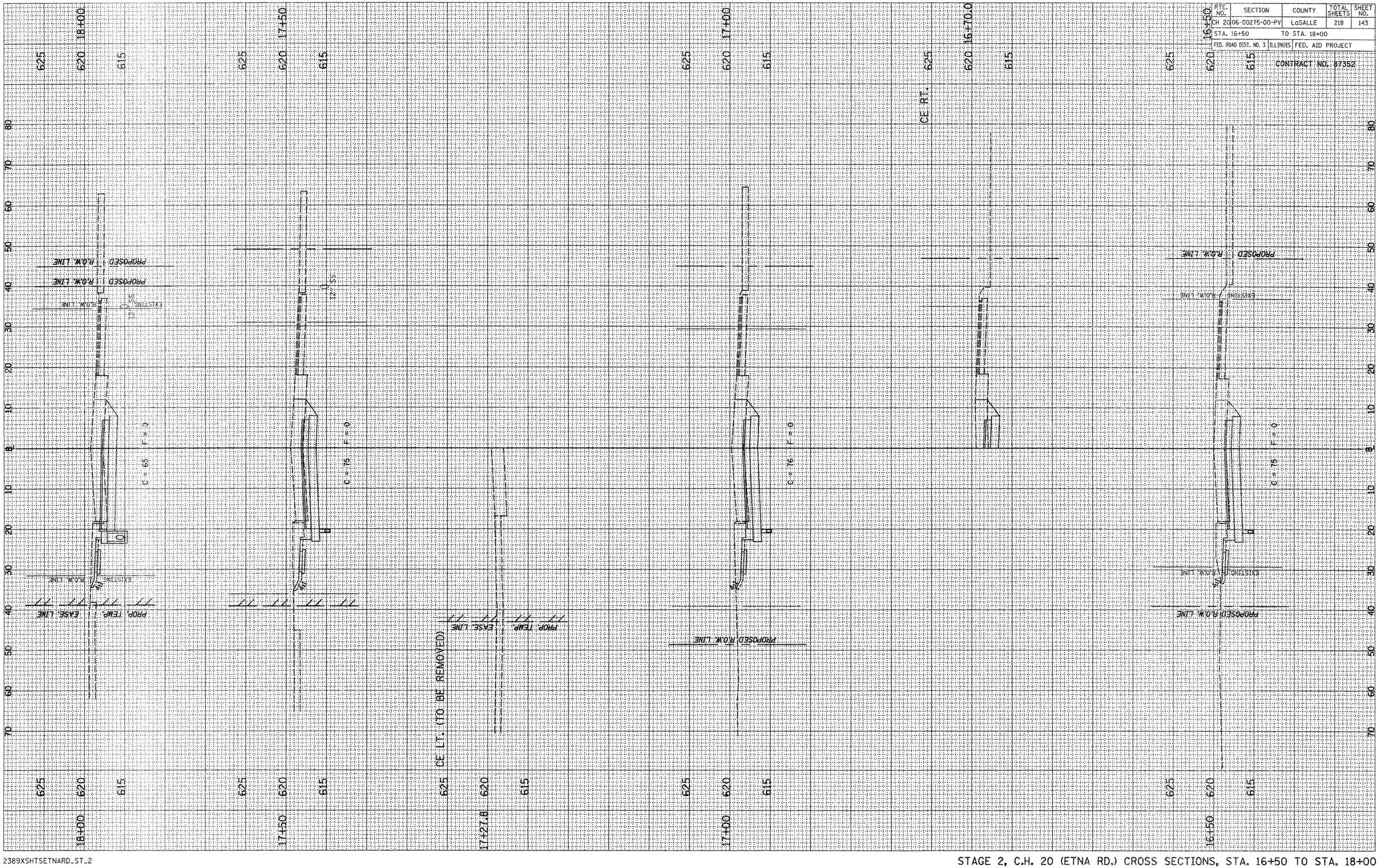


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 14+00 TO STA. 16+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	143
STA. 16+50	TO STA. 18+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

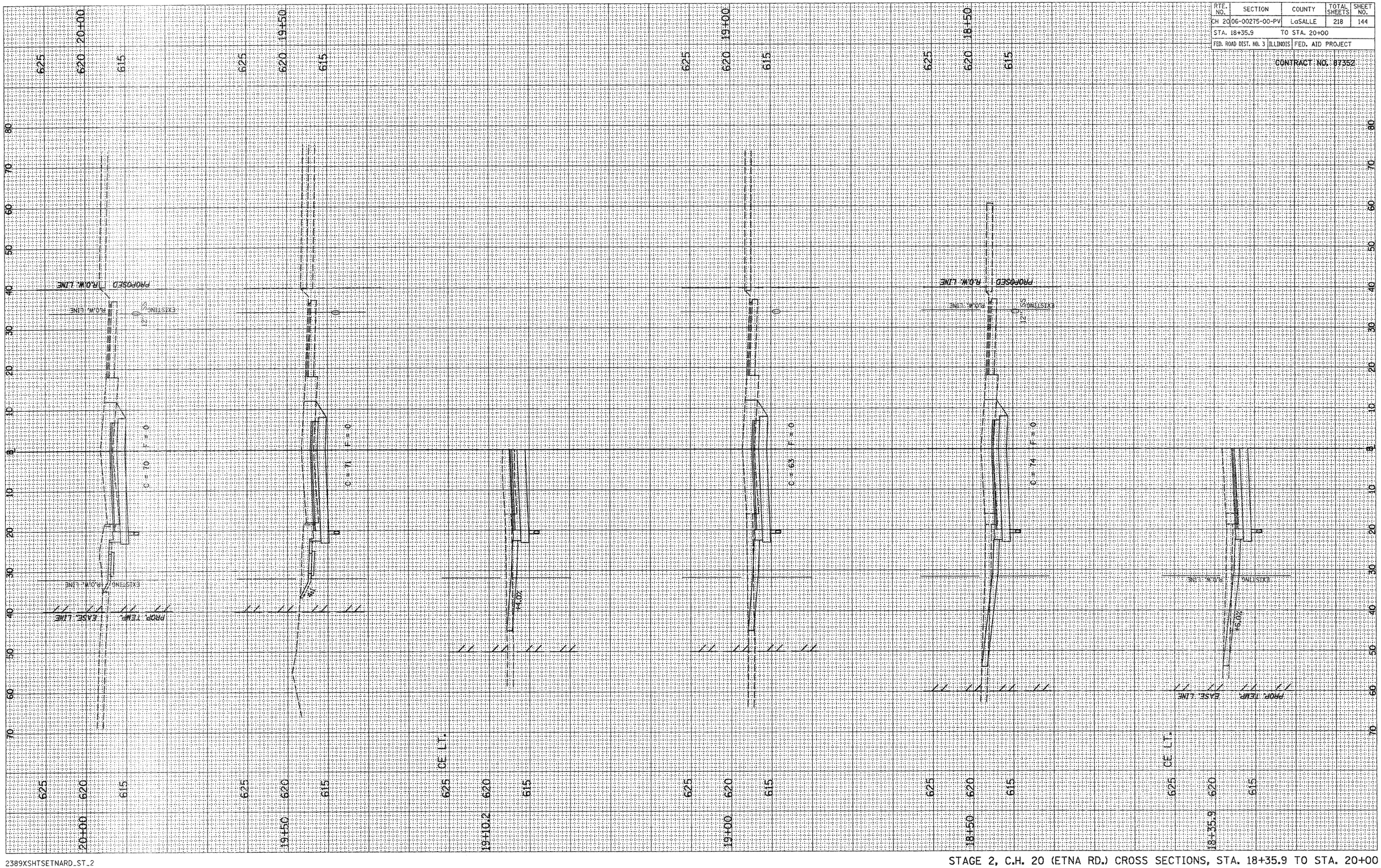


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 16+50 TO STA. 18+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	144
STA. 18+35.9		TO STA. 20+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

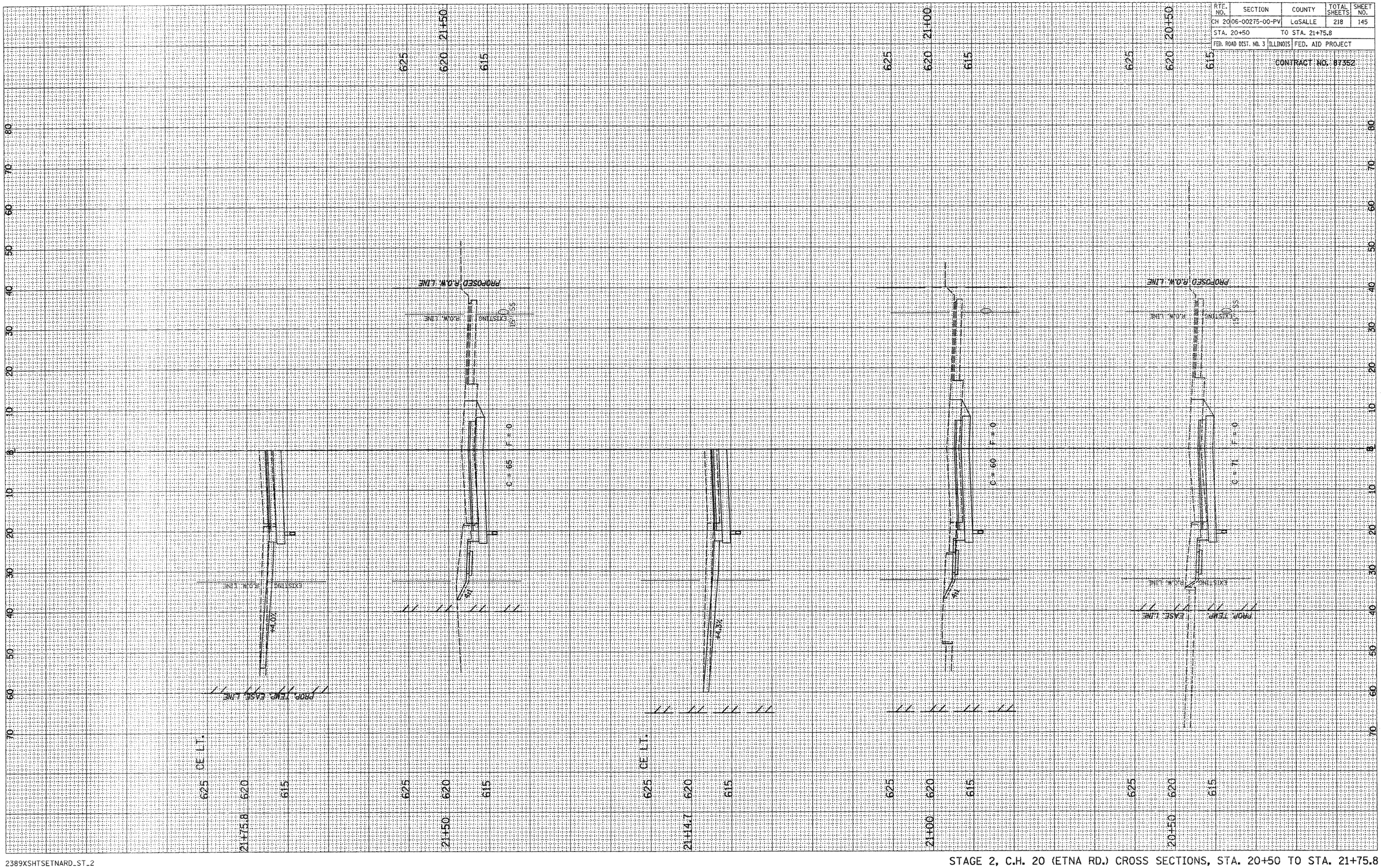


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 18+35.9 TO STA. 20+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	145
STA. 20+50		TO STA. 21+75.8		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

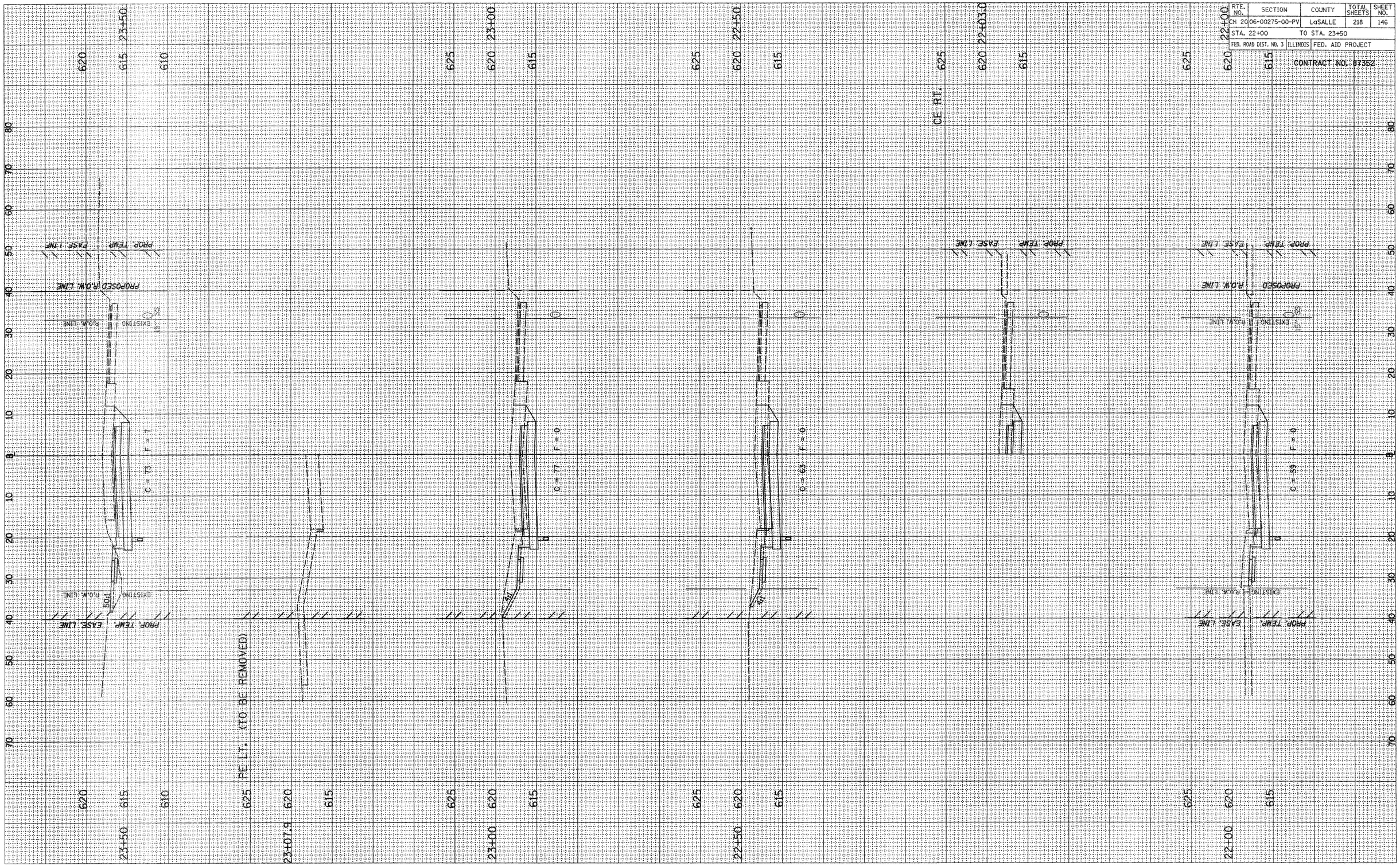


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 20+50 TO STA. 21+75.8

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	146
STA. 22+00		TO STA. 23+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

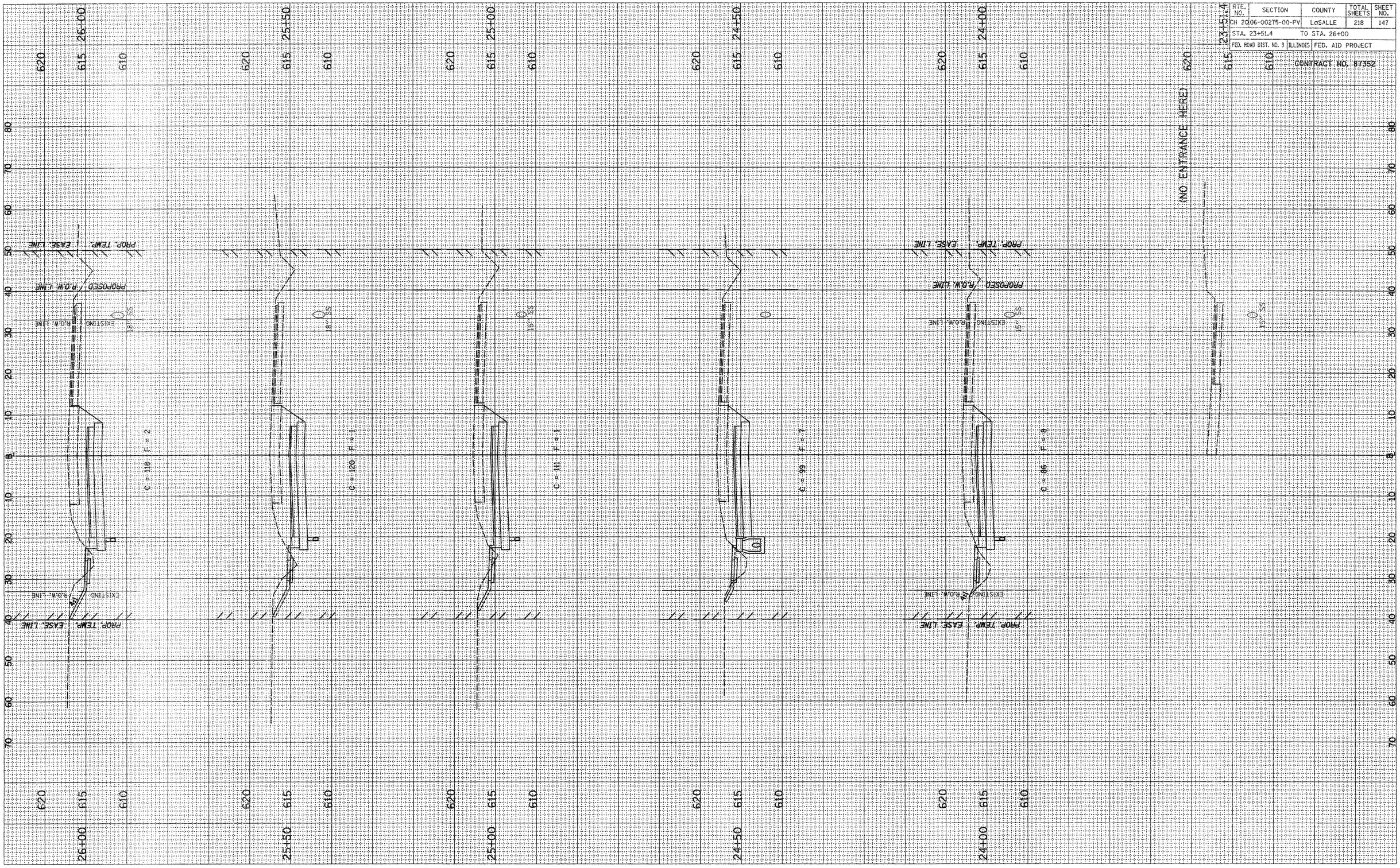


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 22+00 TO STA. 23+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	147
STA. 23+51.4		TO STA. 26+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

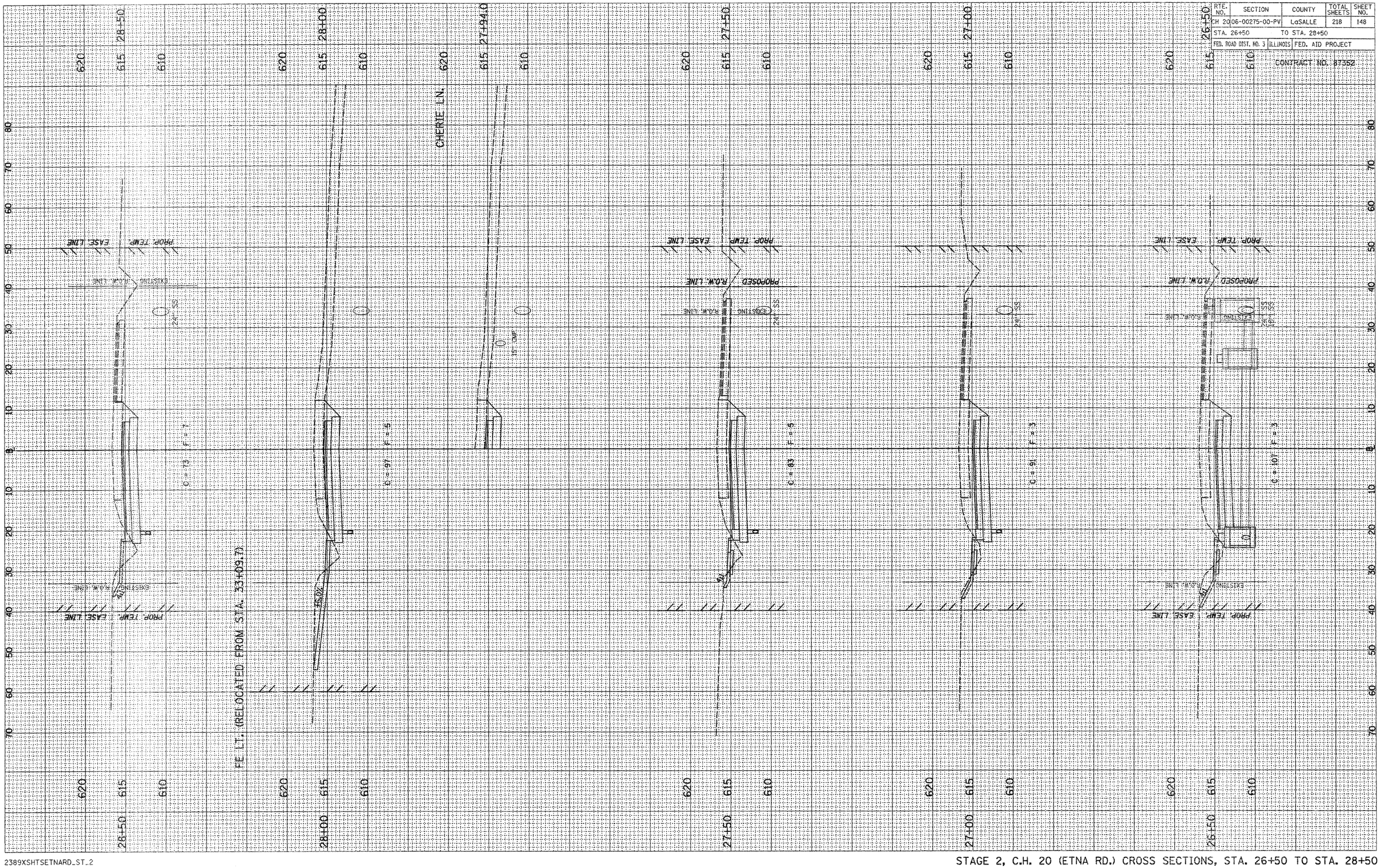


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 23+51.4 TO STA. 26+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	148
STA. 26+50		TO STA. 28+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

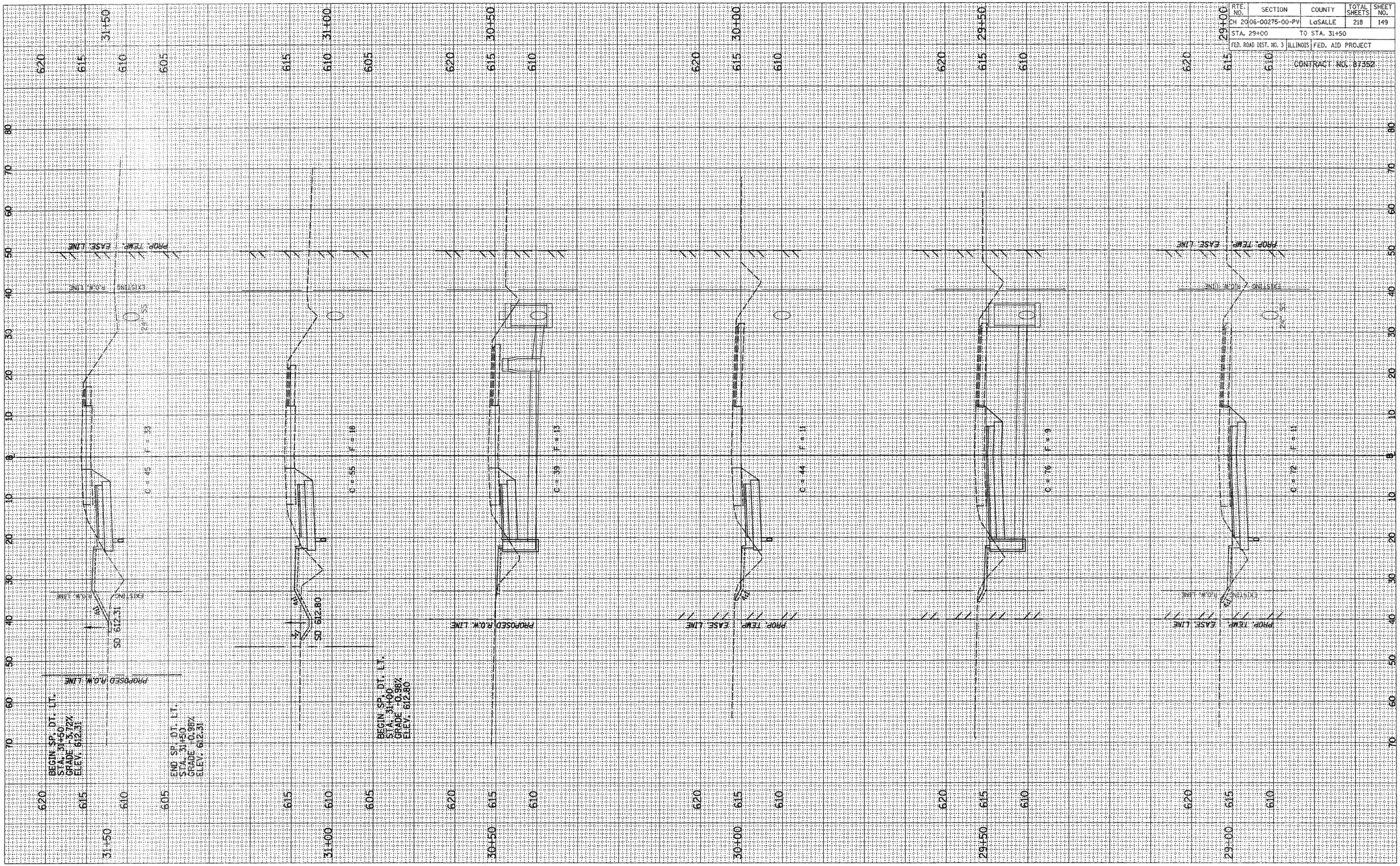


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 26+50 TO STA. 28+50

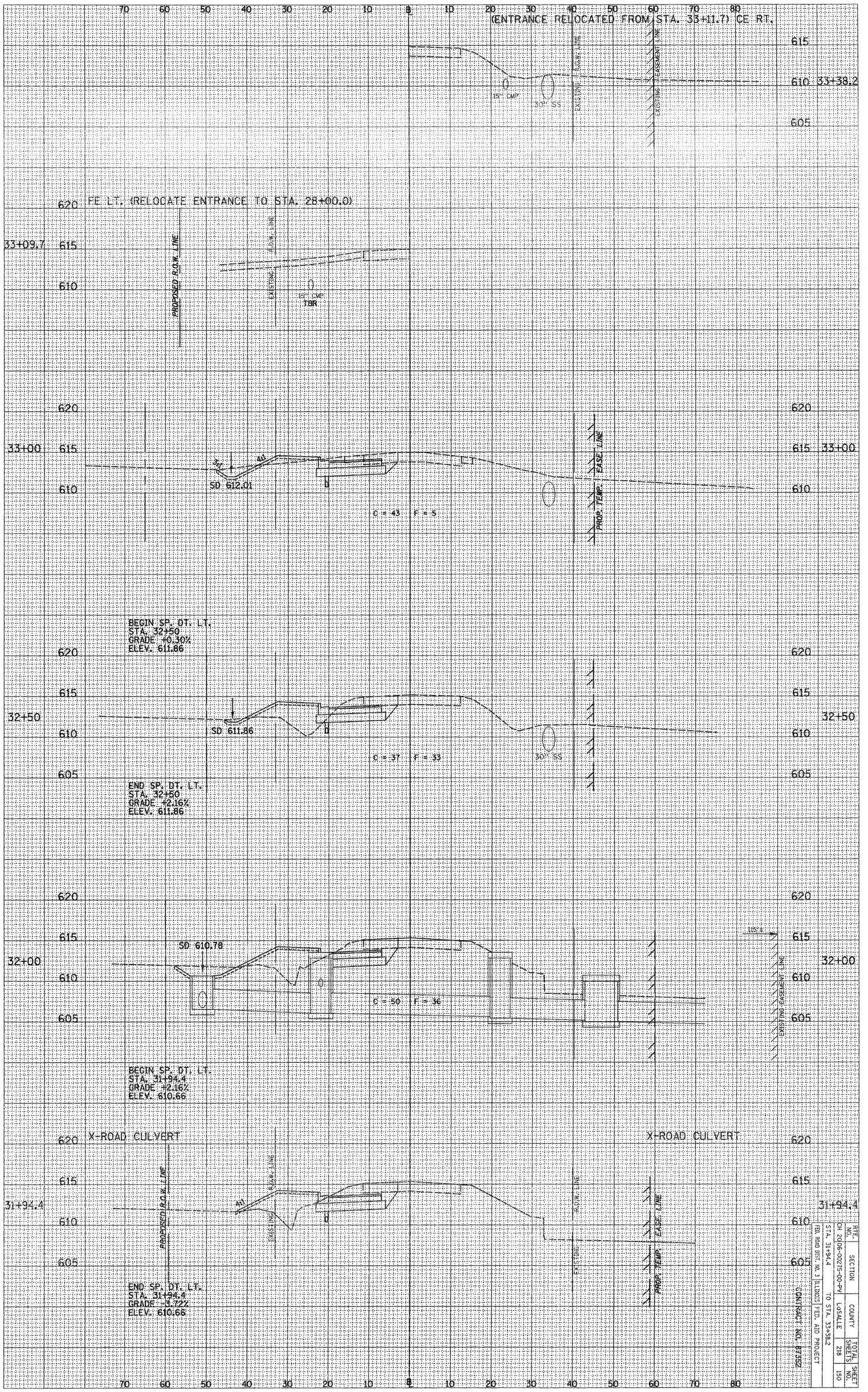
RTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	149
STA. 29+00		TO STA. 31+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 29+00 TO STA. 31+50



STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 31+94.4 TO STA. 33+38.2

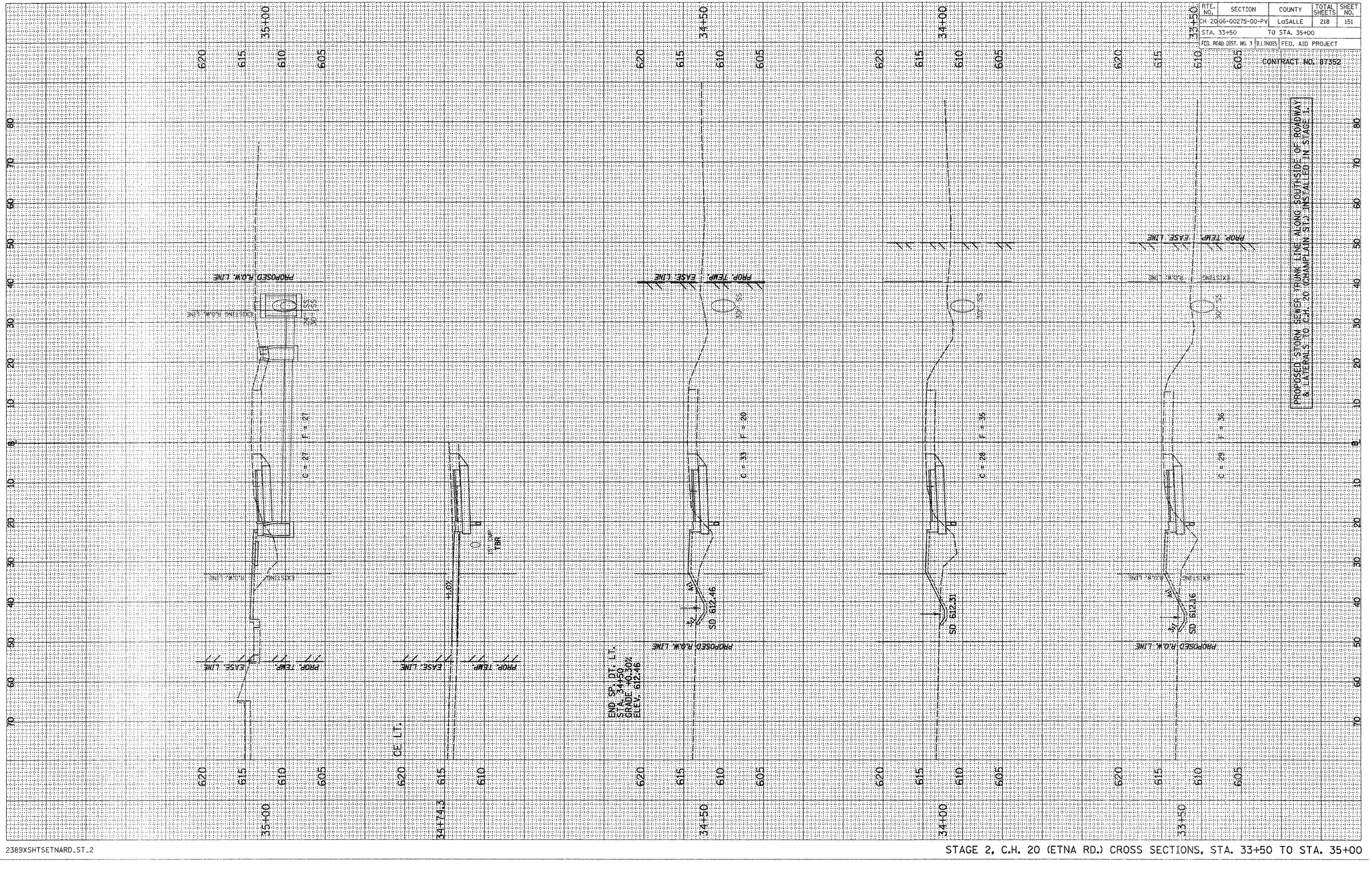
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00270-00-PV	LaSALLE	218	150

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT | TO STA. 33+38.2 | CONTRACT NO. 87352

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	151
STA. 33+50		TO STA. 35+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

PROPOSED STORM SEWER TRUNK LINE ALONG SOUTHSIDE OF ROADWAY & LATERALS TO C.H. 20 (CHAMPLAIN ST.) INSTALLED IN STAGE 1.

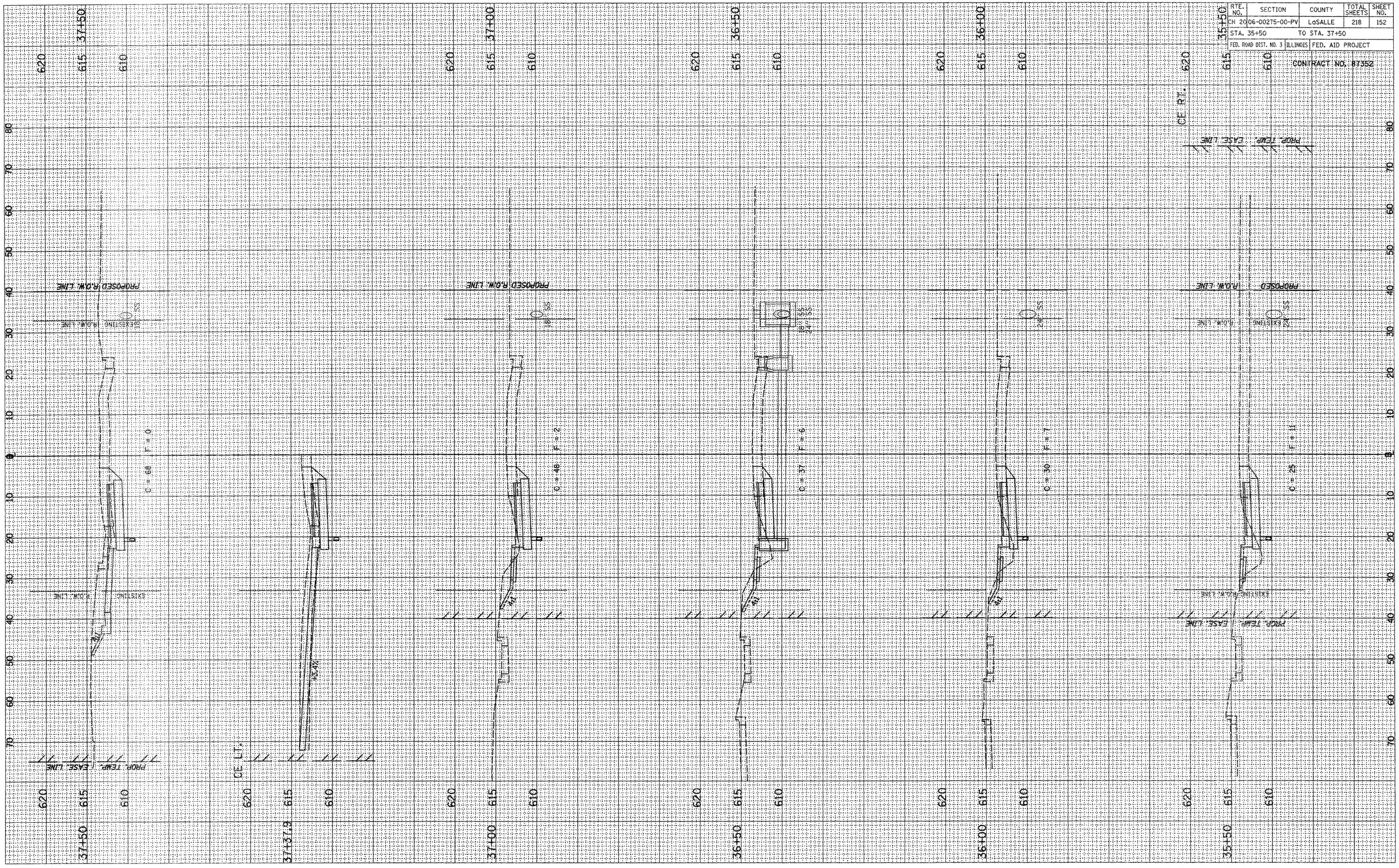


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 33+50 TO STA. 35+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	152
STA. 35+50	TO STA. 37+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

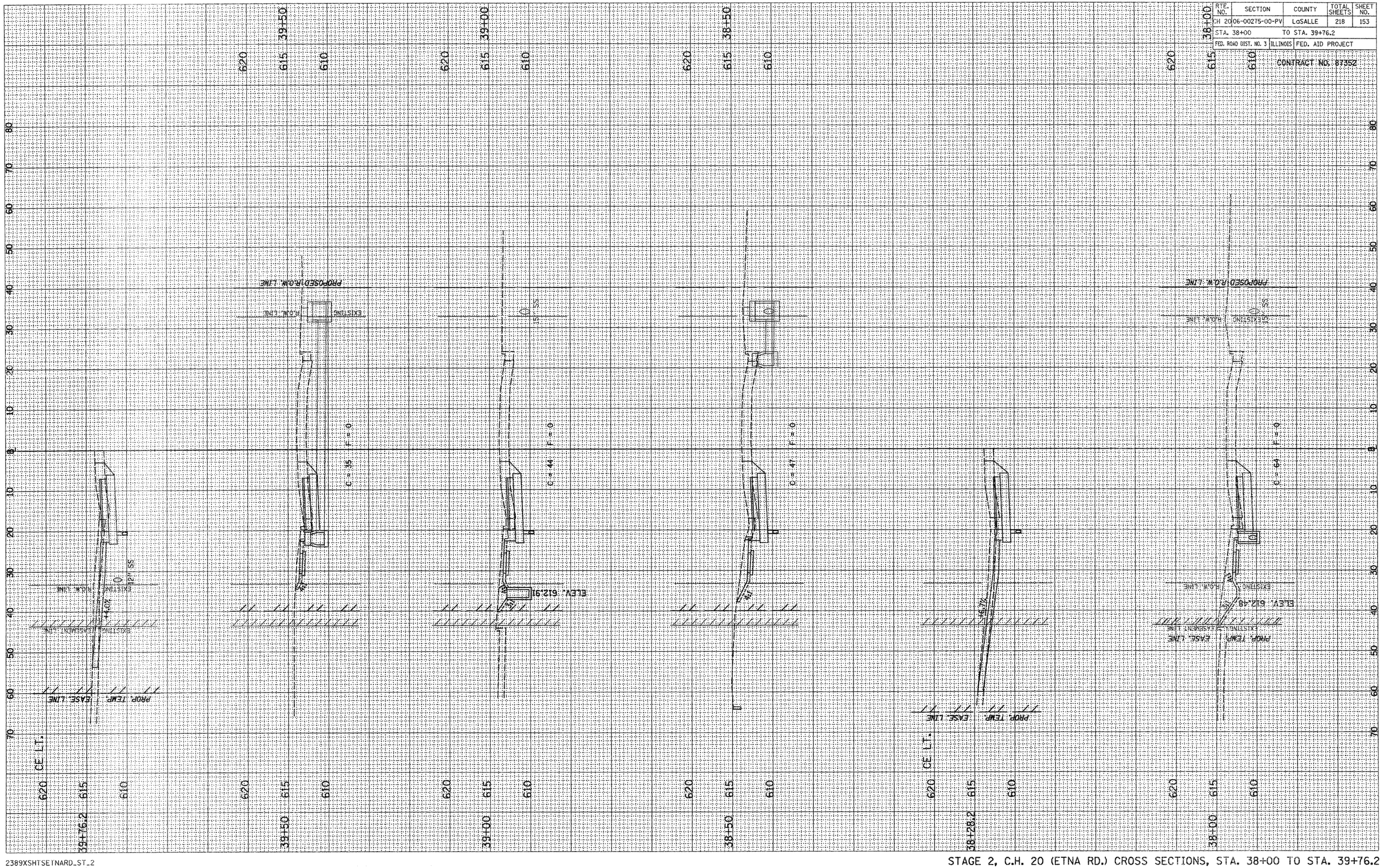


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 35+50 TO STA. 37+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	153
STA. 38+00		TO STA. 39+76.2		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

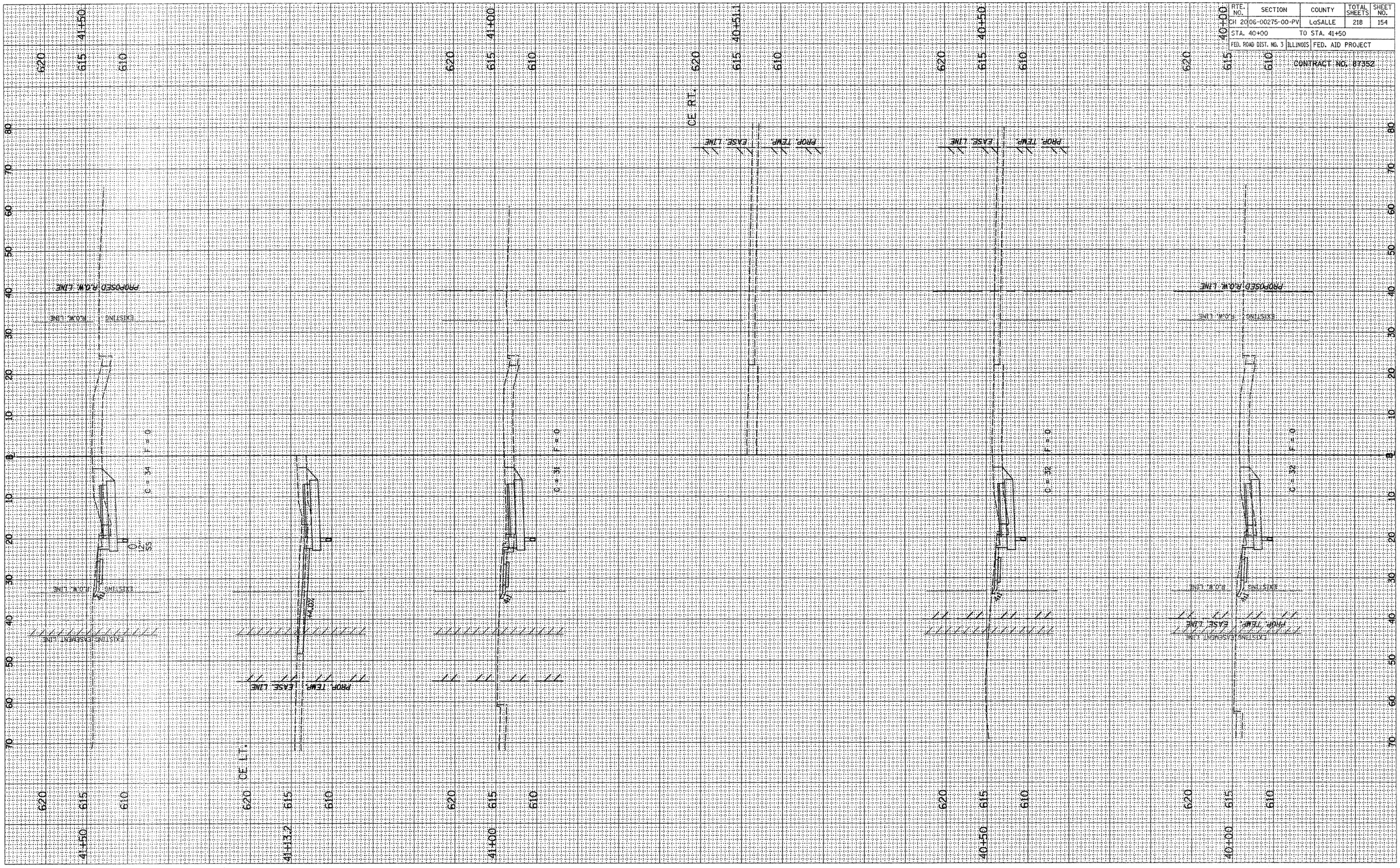


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 38+00 TO STA. 39+76.2

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	154
STA. 40+00		TO STA. 41+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

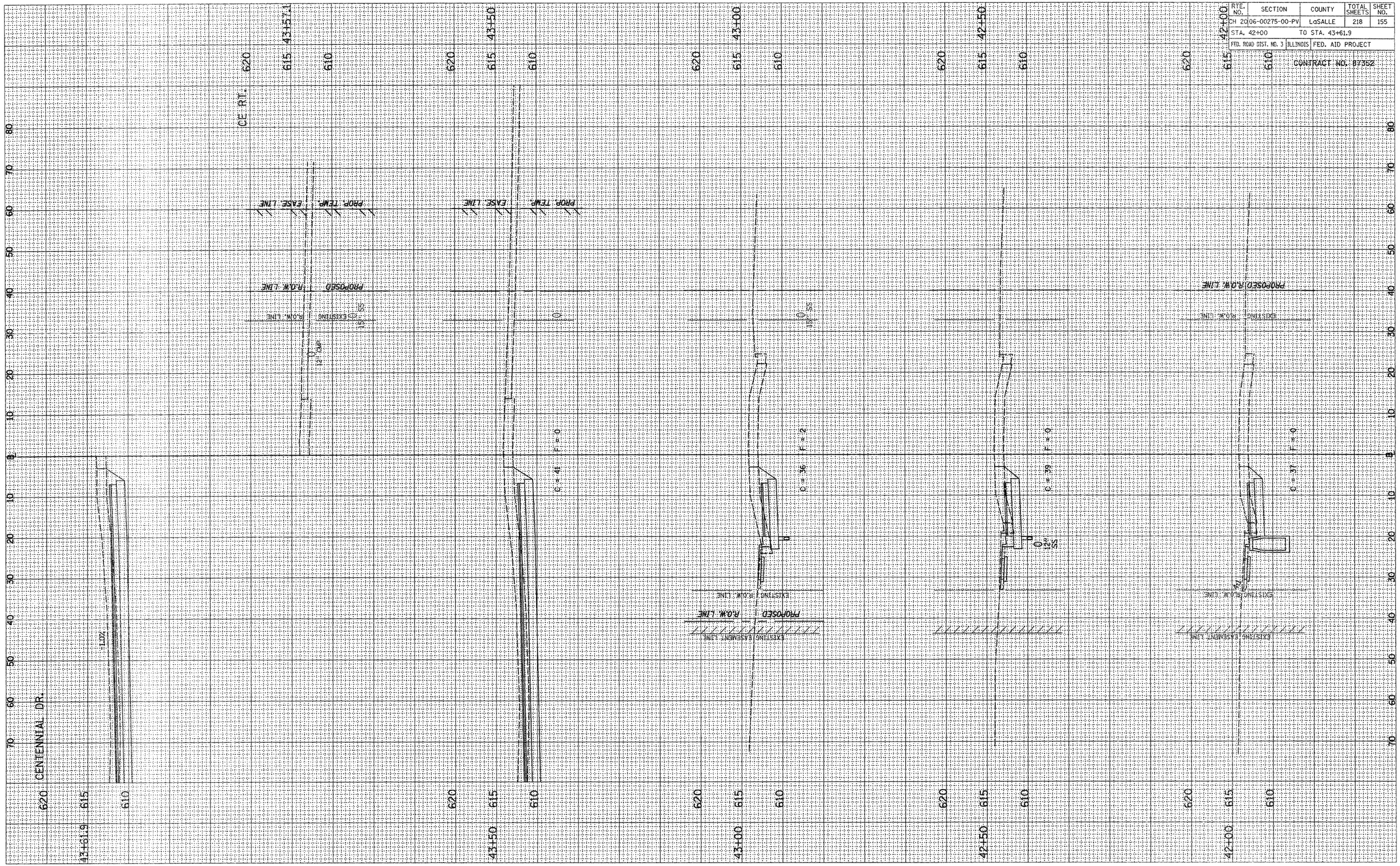


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 40+00 TO STA. 41+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	155
STA. 42+00		TO STA. 43+61.9		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

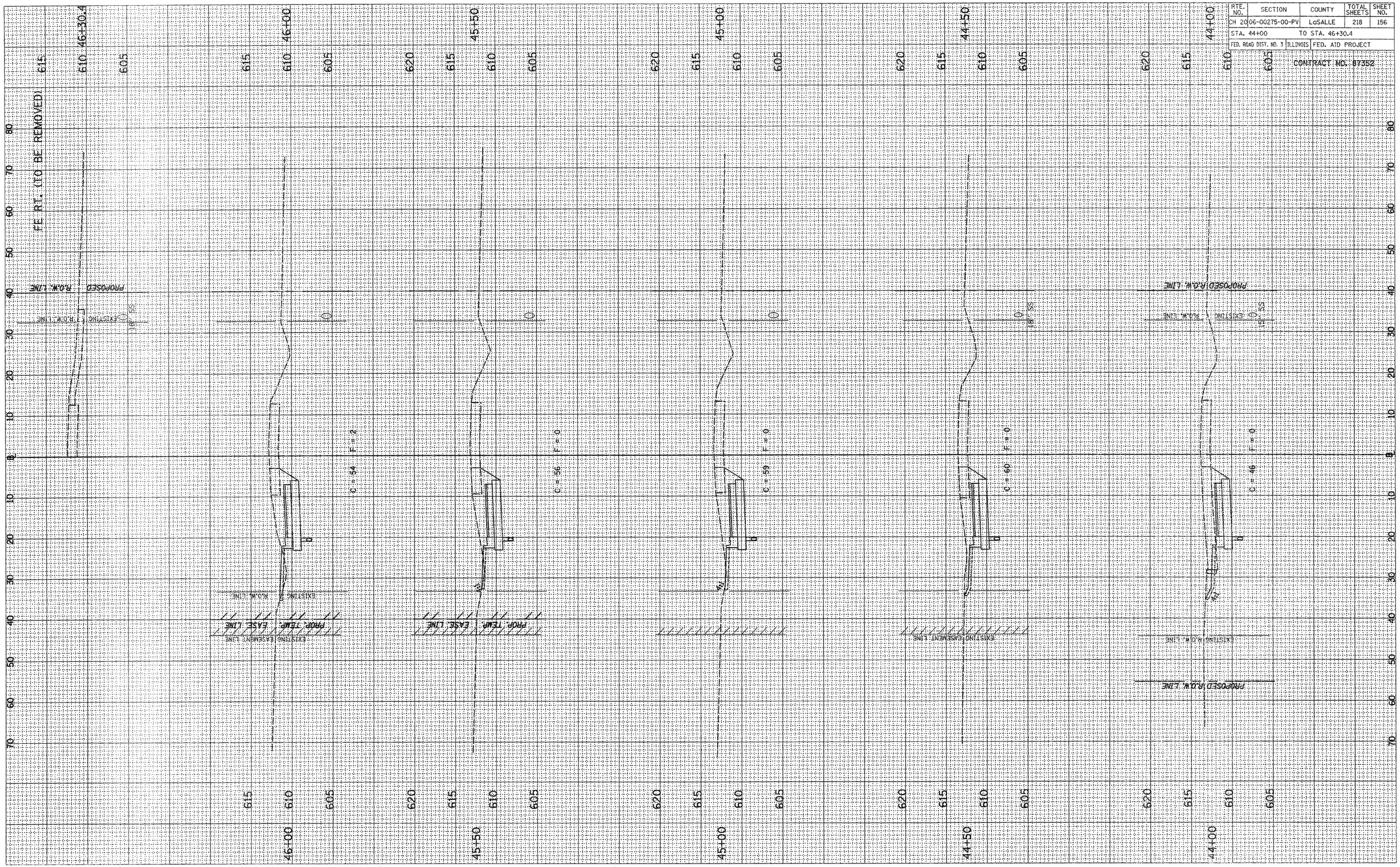


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 42+00 TO STA. 43+61.9

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	156
STA. 44+00		TO STA. 46+30.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 44+00 TO STA. 46+30.4

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	157
STA. 46+50		TO STA. 48+62.1		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

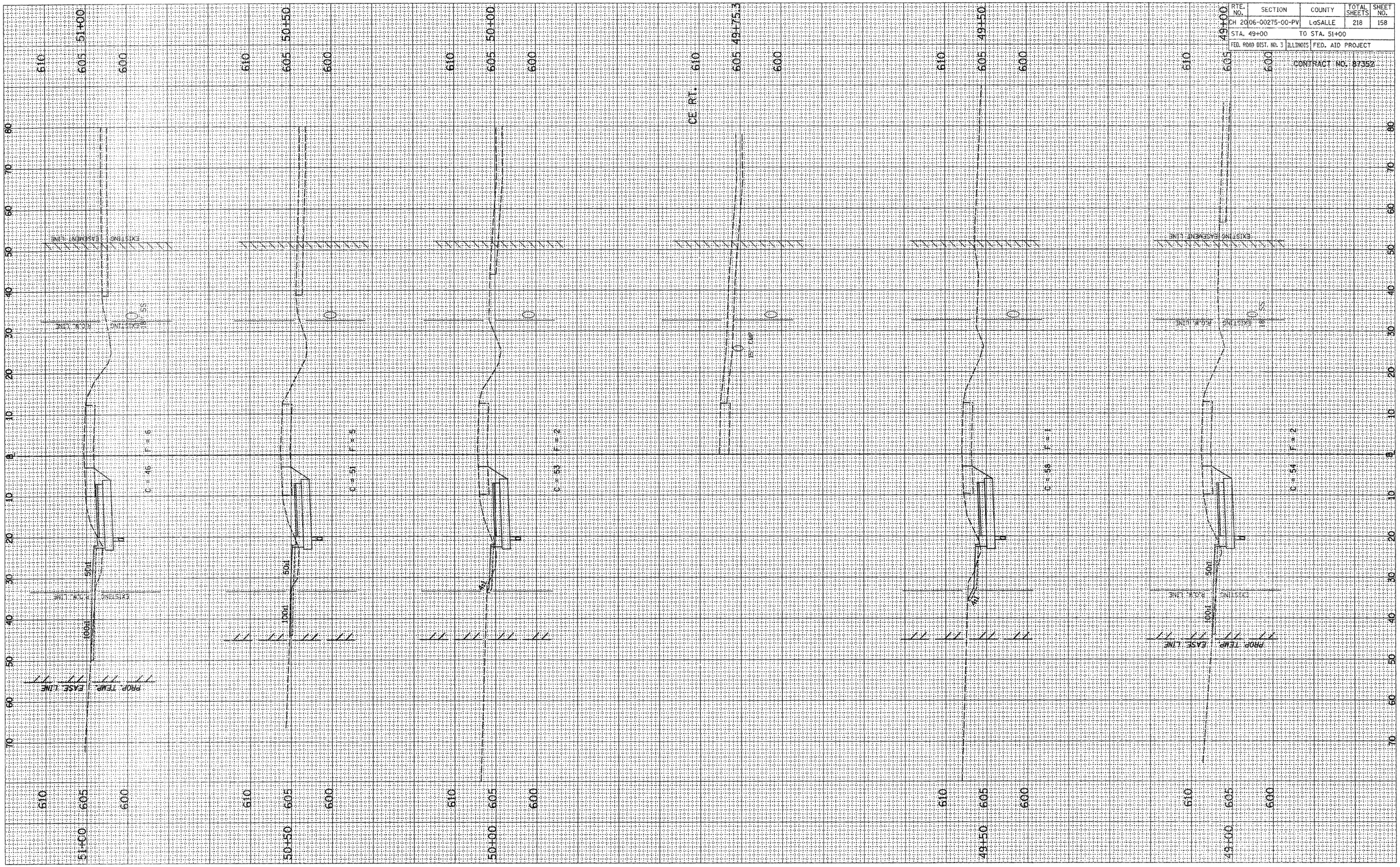
CONTRACT NO. 87352

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 46+50 TO STA. 48+62.1

2389XSHTSETNARD_ST_2

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	158
STA. 49+00		TO STA. 51+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



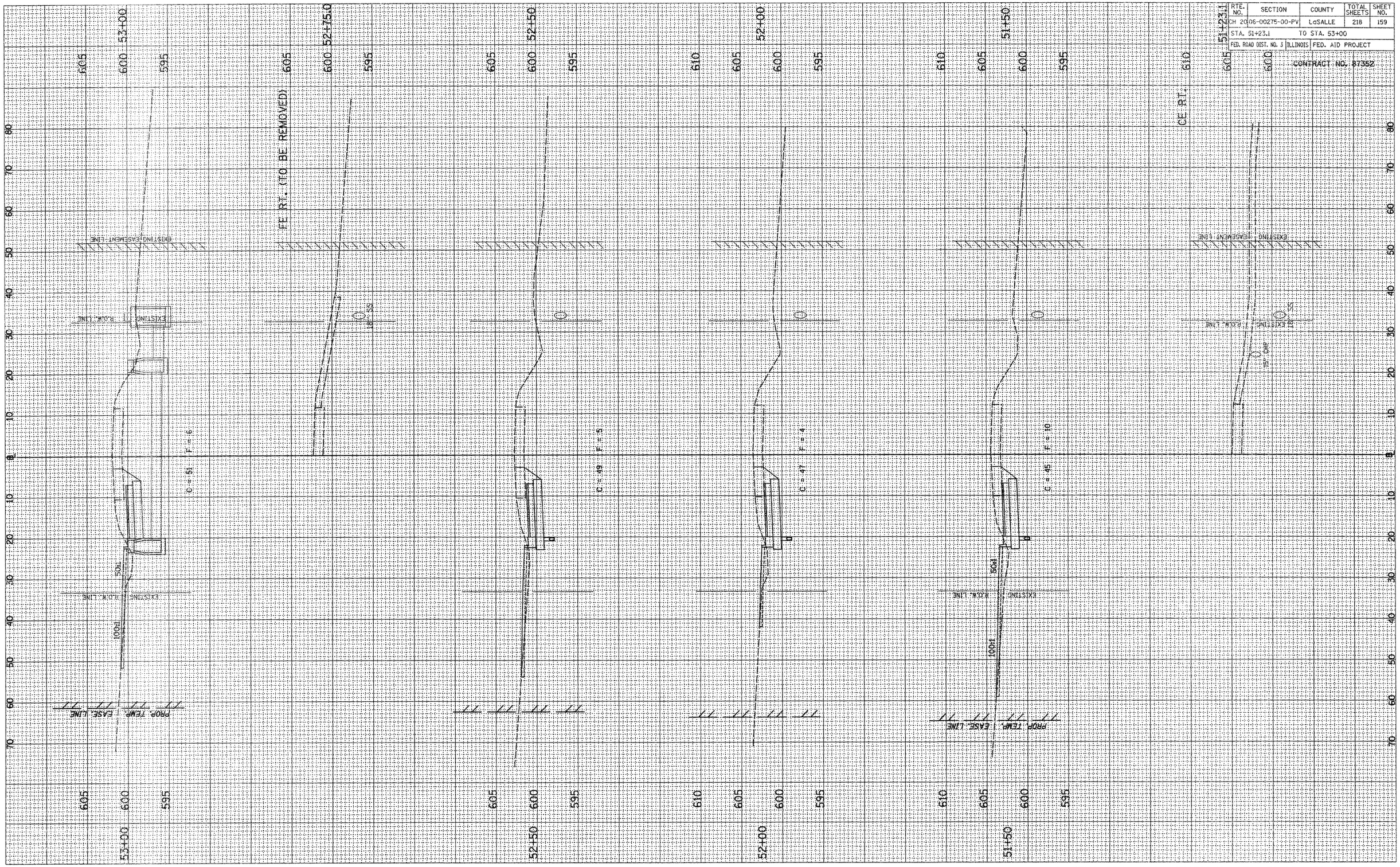
2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 49+00 TO STA. 51+00

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RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 20 06-00275-00-PV	LaSALLE	218	159
STA. 51+23.1	TO STA. 53+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 51+23.1 TO STA. 53+00

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RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 20-06-00275-00-PV	LaSALLE	218	160
STA. 53+45.8	TO STA. 55+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

TURNBERRY RD.

53+45.8 53+50 54+00 54+50 55+00

600 595 590 605

EXISTING R.O.W. LINE
PROPOSED R.O.W. LINE
EXISTING EASEMENT LINE
PROP. TEMP. EASE. LINE

C = 57 F = 11
C = 61 F = 0
C = 64 F = 0
C = 76 F = 0

18" SS
50:1
100:1
7%

2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 53+45.8 TO STA. 55+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	161
STA. 55+50	TO STA. 58+04.1			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

EXISTING ℄ @ STA. 57+94.6 PROPOSED ℄ @ STA. 58+04.1

STA. 58+04.1
STA. 57+50
STA. 57+00
STA. 56+50
STA. 56+00
STA. 55+50

C = 66 F = 0
C = 56 F = 0
C = 53 F = 0
C = 58 F = 0
C = 73 F = 0

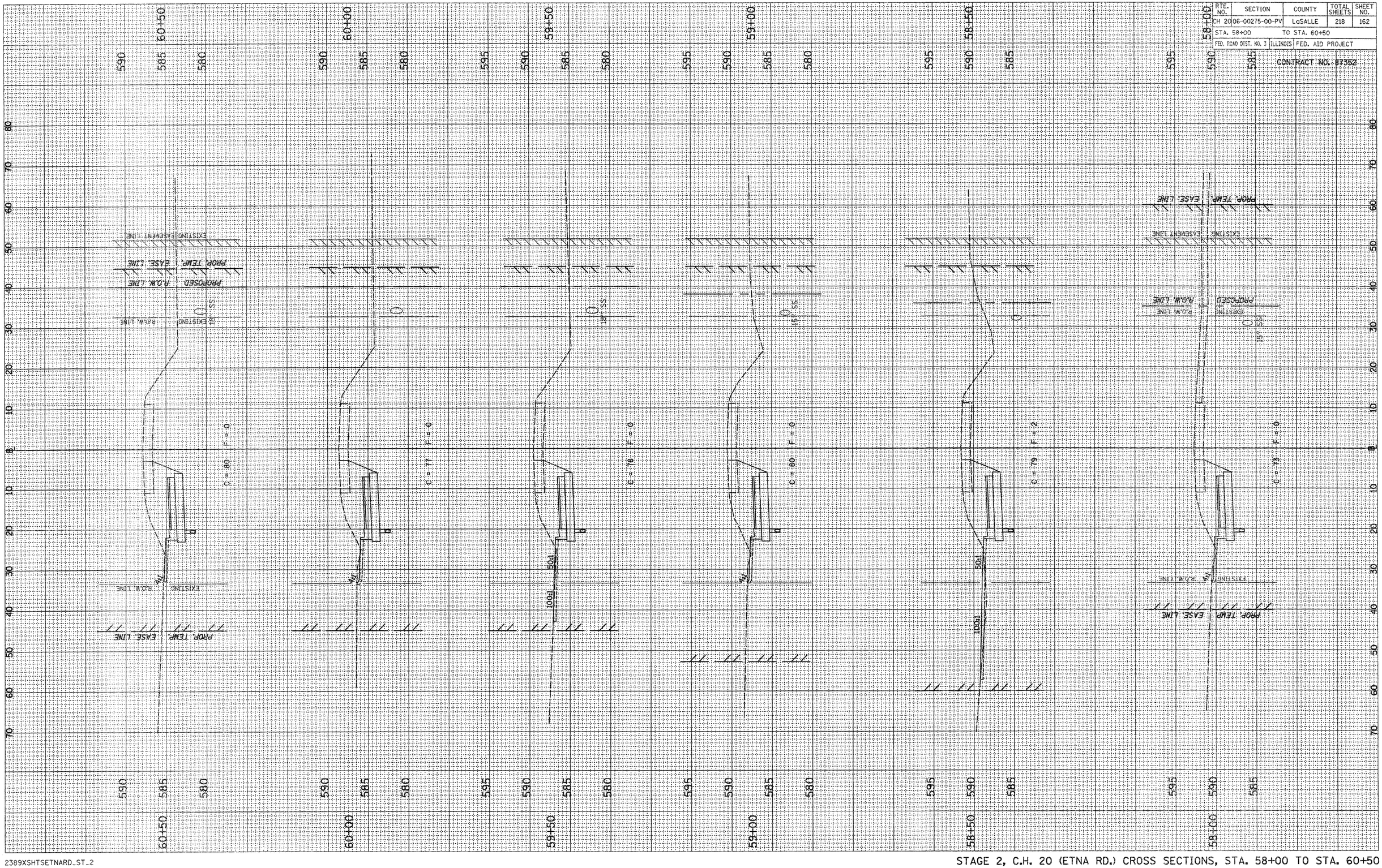
PROP. TEMP. EASE. LINE
EXISTING R.O.W. LINE
PROPOSED
EXISTING EASEMENT LINE
18" CMP
35" SS

2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 55+50 TO STA. 58+04.1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	162
STA. 58+00		TO STA. 60+50		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

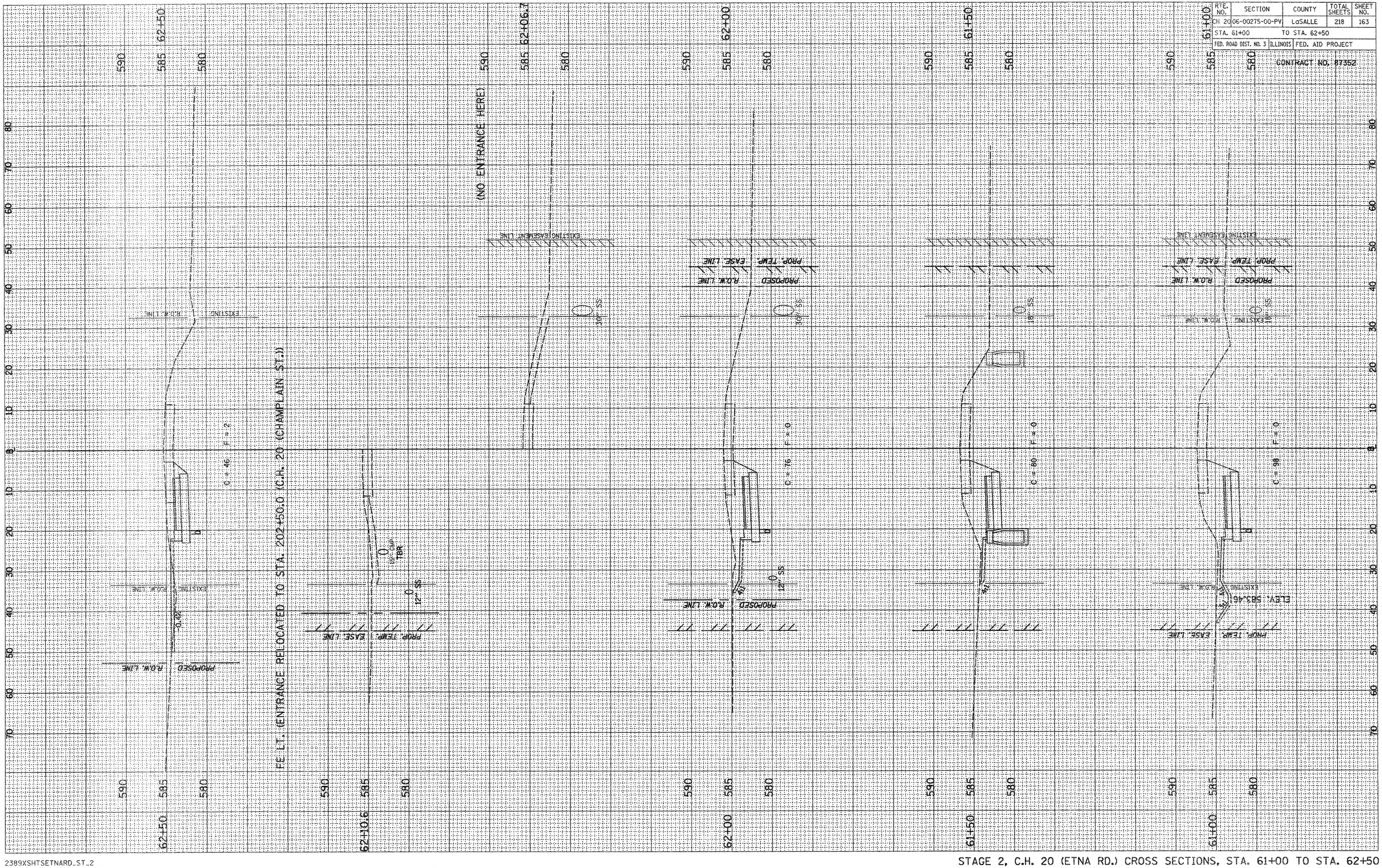


2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 58+00 TO STA. 60+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	163
STA. 61+00		TO STA. 62+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTIONS, STA. 61+00 TO STA. 62+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ICH 20	06-00275-00-PV	LaSALLE	218	164
STA. 62+98.7				
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

62+98.7

585

580

C.H. 20 (CHAMPLAIN ST.)

590

IMPROVEMENT ENDS
C.H. 20 (ETNA RD.)
STA. 62+65.74

CUT (C) = 46.56 Sq. FT. FILL (F) = 2.58 Sq. FT.

590
C.H. 20 (CHAMPLAIN ST.)
585
580
62+98.7

2389XSHTSETNARD_ST_2

STAGE 2, C.H. 20 (ETNA RD.) CROSS SECTION, STA. 62+98.7

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	165
STA. 6+00	TO STA. 8+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

PROPOSED R.O.W. LINE

ELEV. 615.65

C = 52 F = 4

C = 43 F = 0

C = 26 F = 0

CUT (C) = 10.50 FT. FILL (F) = 5.50 FT.

IMPROVEMENT BEGINS
C.H. 20 (ETNA RD.)
STA. 6+31.07

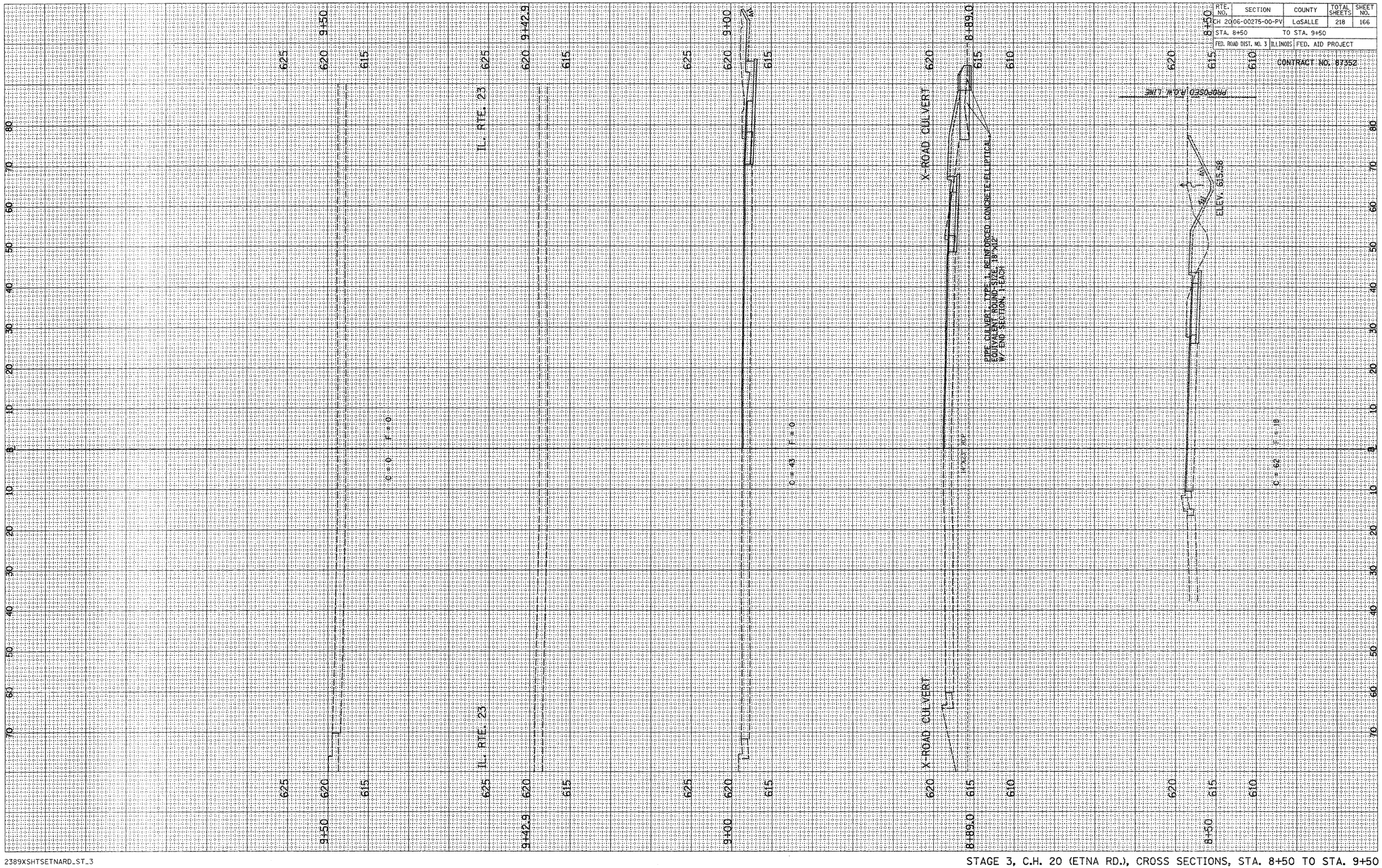
CE LT.

2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 6+00 TO STA. 8+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	166
STA. 8+50	TO STA. 9+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

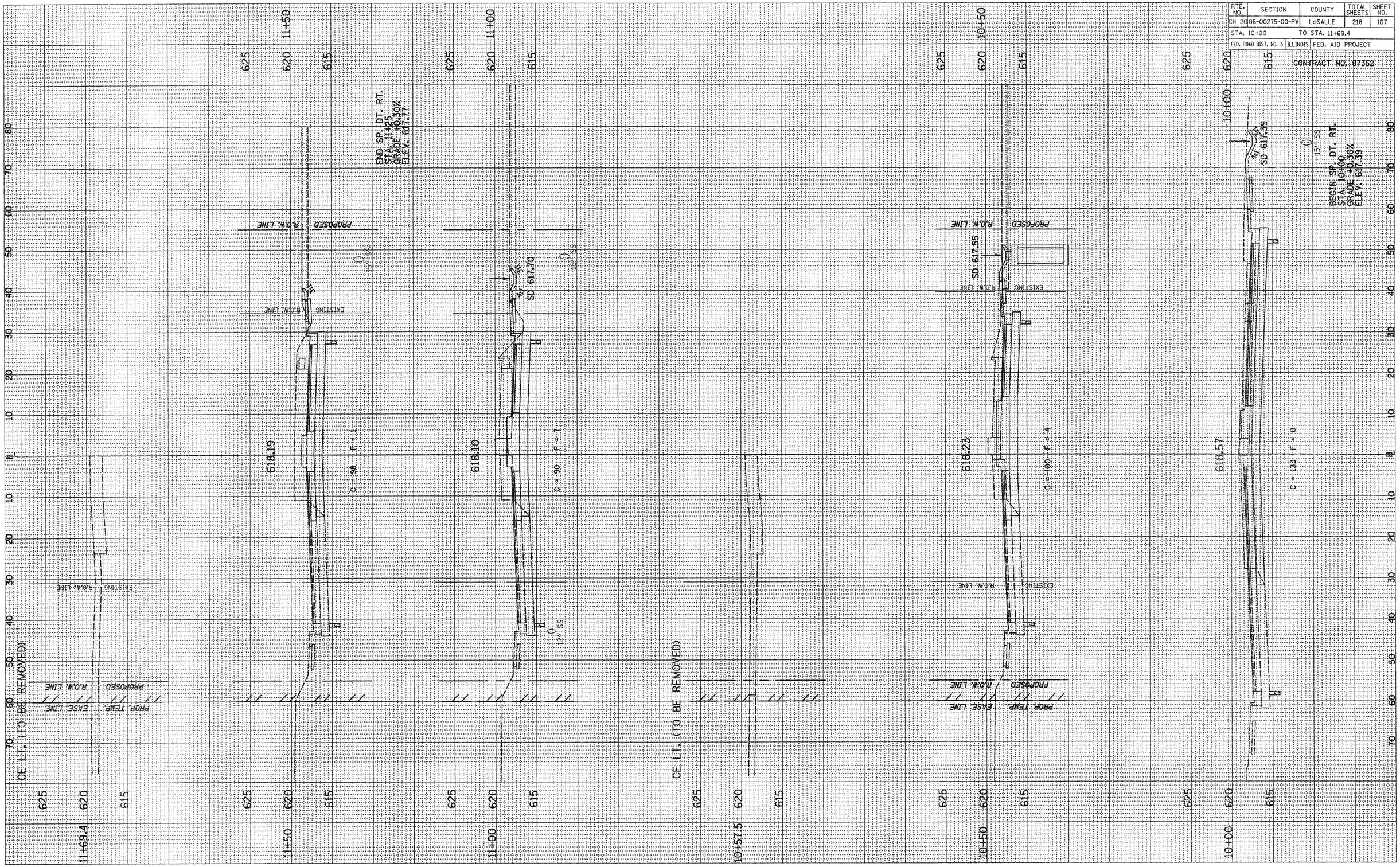


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 8+50 TO STA. 9+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	167
STA. 10+00		TO STA. 11+69.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

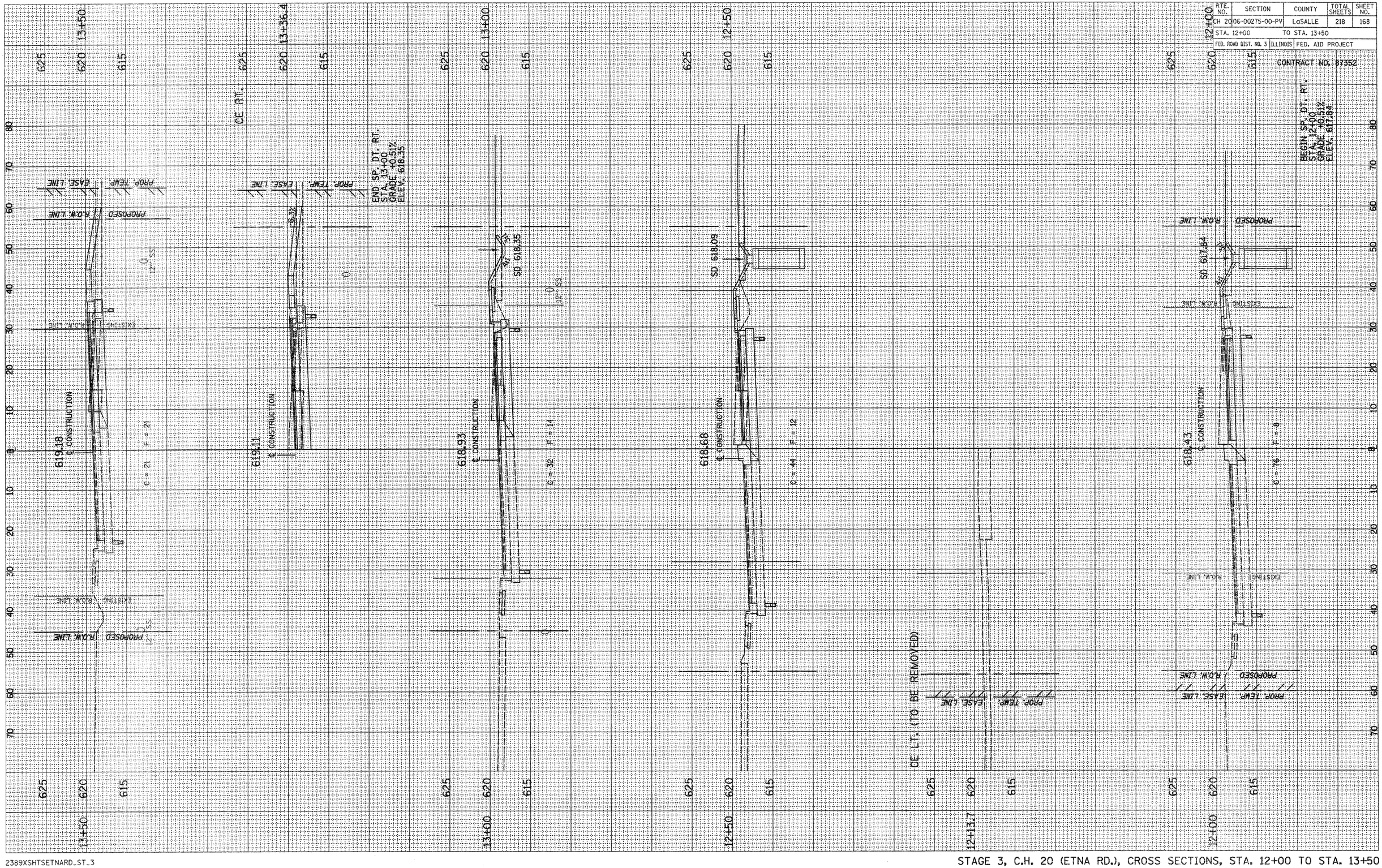


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 10+00 TO STA. 11+69.4

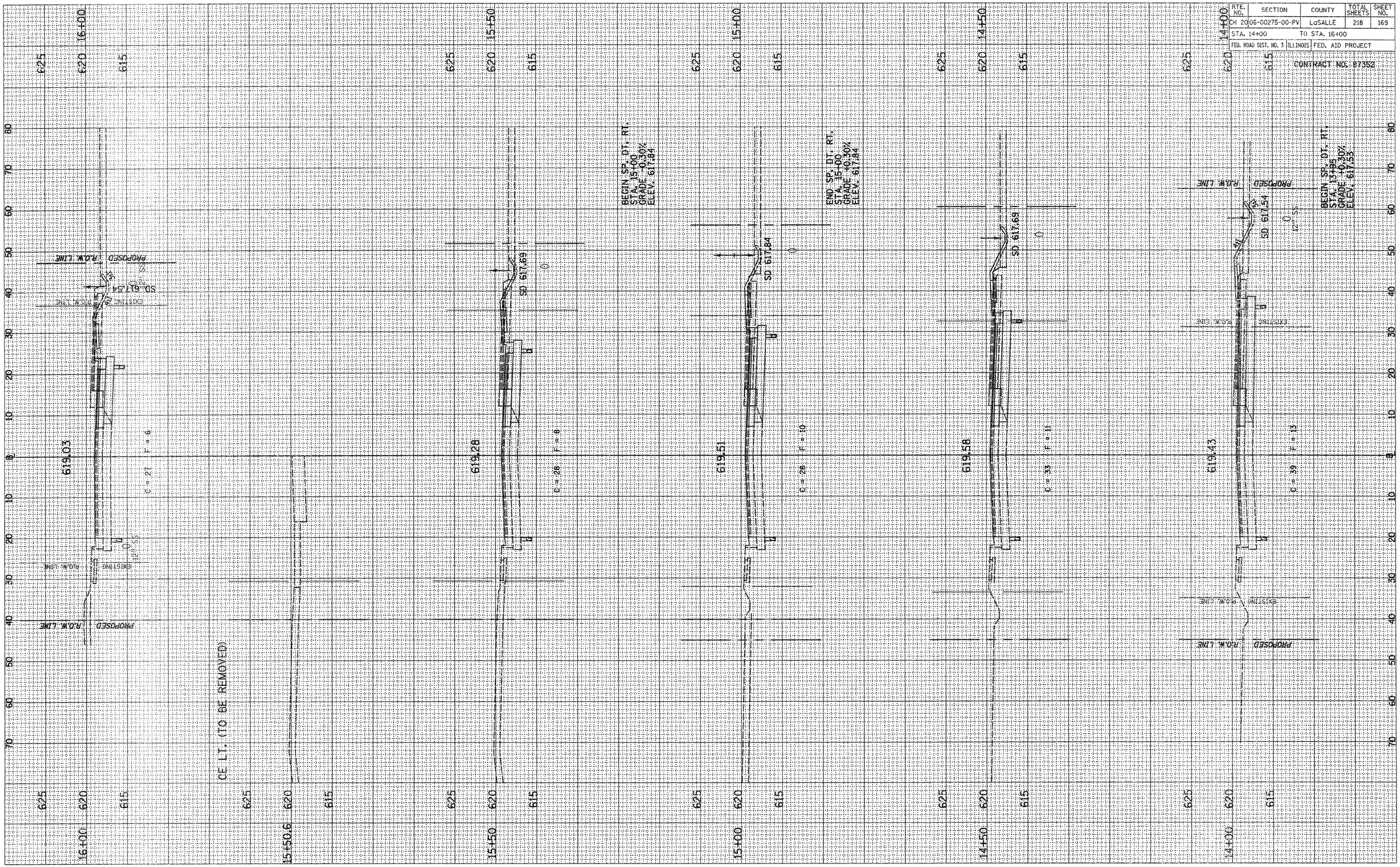
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	168
STA. 12+00		TO STA. 13+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	169
STA. 14+00		TO STA. 16+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

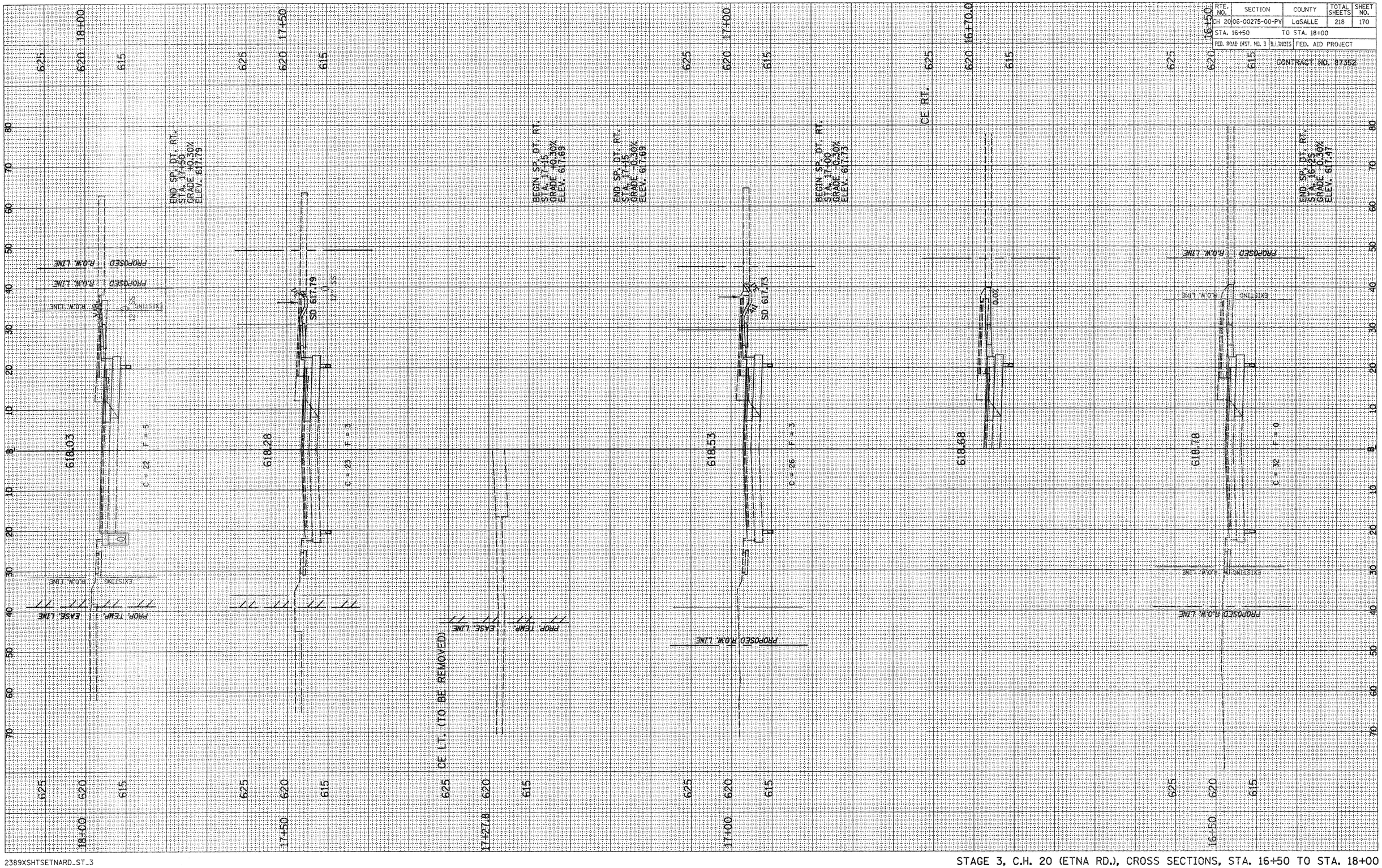


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 14+00 TO STA. 16+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	170
STA. 16+50	TO STA. 18+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

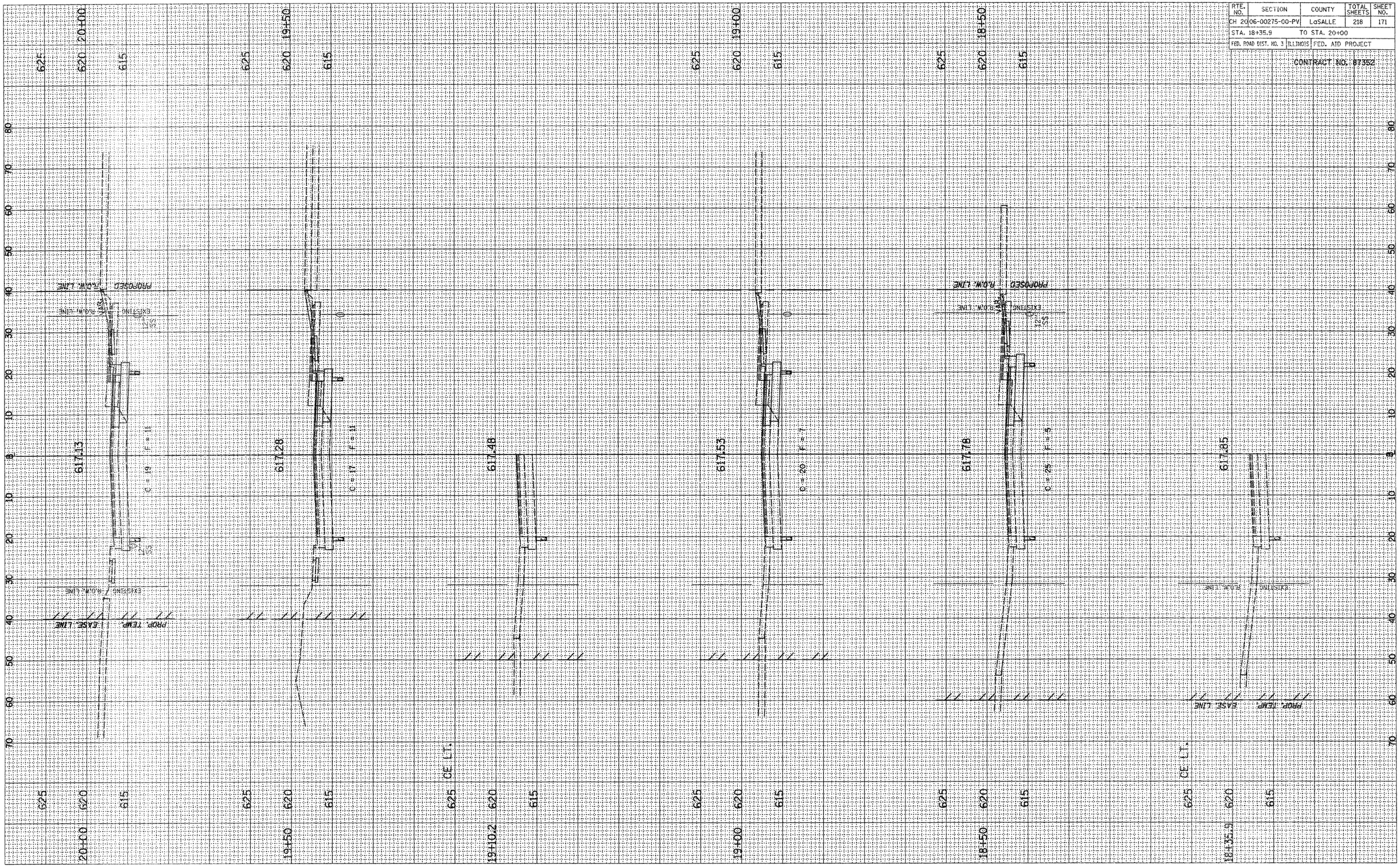


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 16+50 TO STA. 18+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	171
STA. 18+35.9		TO STA. 20+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

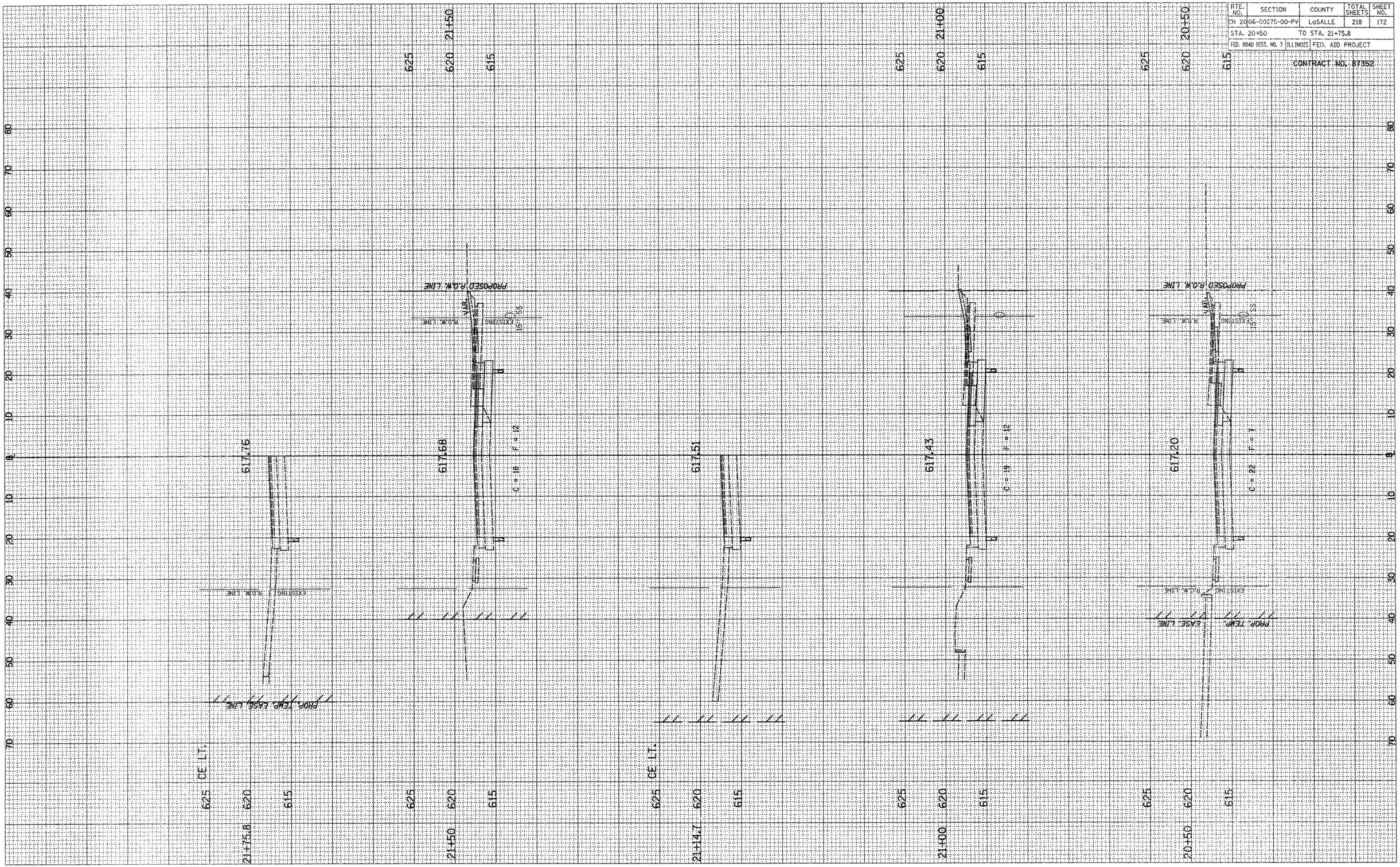


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 18+35.9 TO STA. 20+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	172
STA. 20+50		TO STA. 21+75.8		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

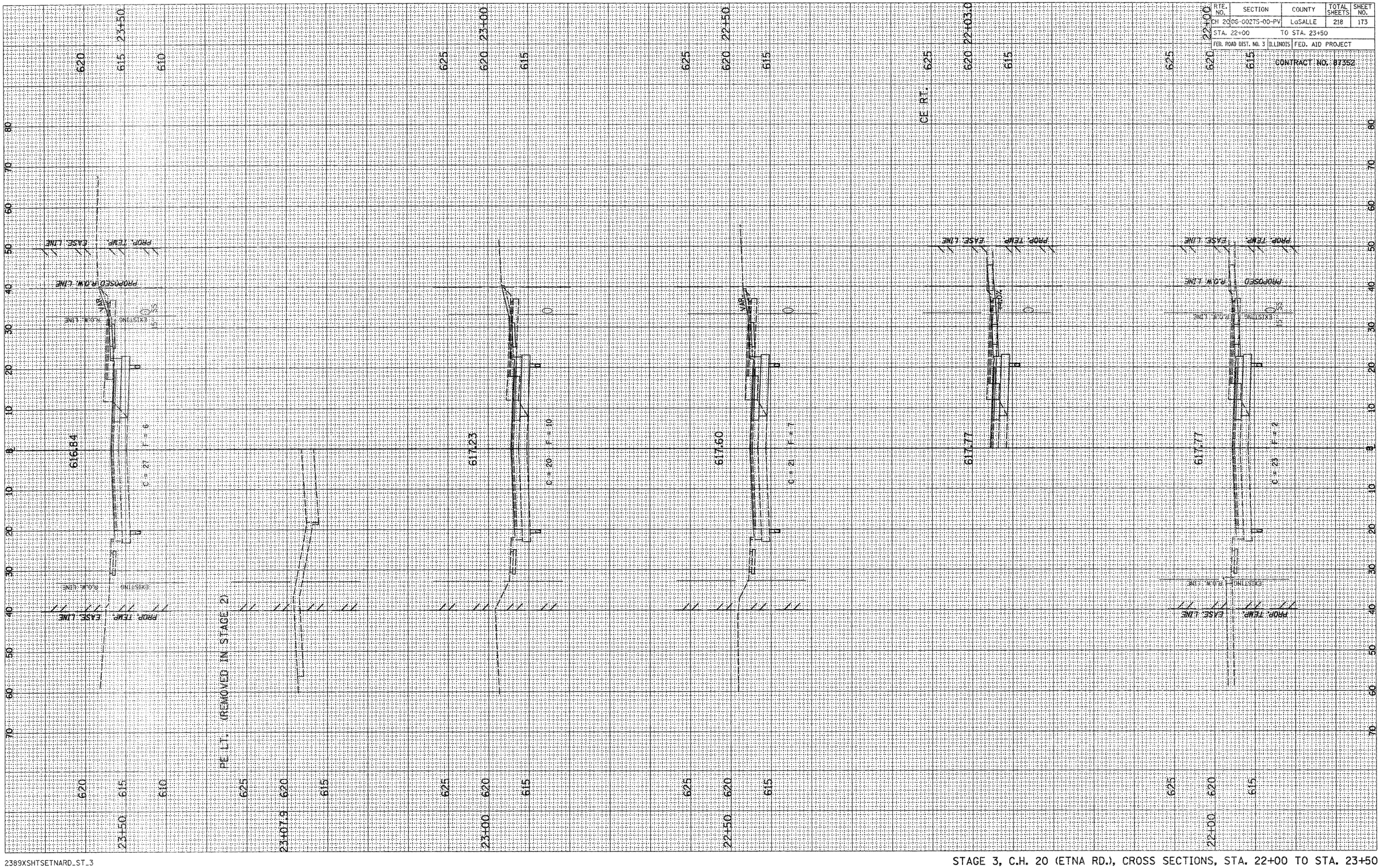


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 20+50 TO STA. 21+75.8

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	173
STA. 22+00	TO STA. 23+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 22+00 TO STA. 23+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	08-00275-00-PV	LaSALLE	218	174
STA. 23+51.4		TO STA. 26+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

(NO ENTRANCE HERE)

23+51.4

26+00

25+50

25+00

24+50

24+00

615.07

615.31

615.68

616.07

616.46

C = 57 F = 5

C = 60 F = 4

C = 55 F = 7

C = 50 F = 5

C = 41 F = 3

PROP. TEMP. EASE. LINE

PROPOSED R.O.W. LINE

EXISTING R.O.W. LINE

2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 23+51.4 TO STA. 26+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	175
STA. 26+50	TO STA. 28+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

CHERIE LN.

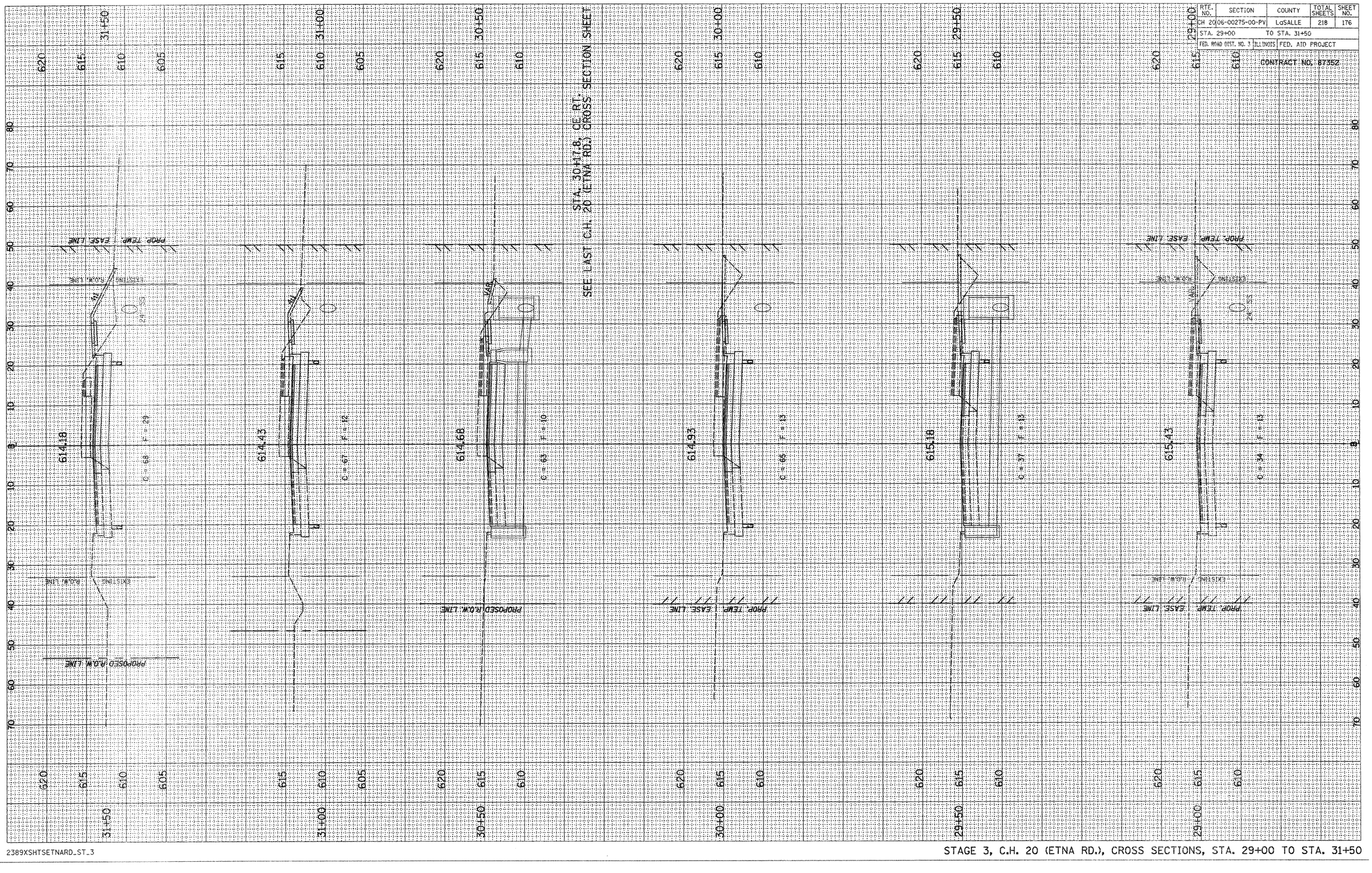
FE L.T. (RELOCATED FROM STA. 33+09.7)

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 26+50 TO STA. 28+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	176
STA. 29+00	TO STA. 31+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

STA. 30+17.8, CE. RT.
SEE LAST C.H. 20 (ETNA RD.) CROSS SECTION SHEET

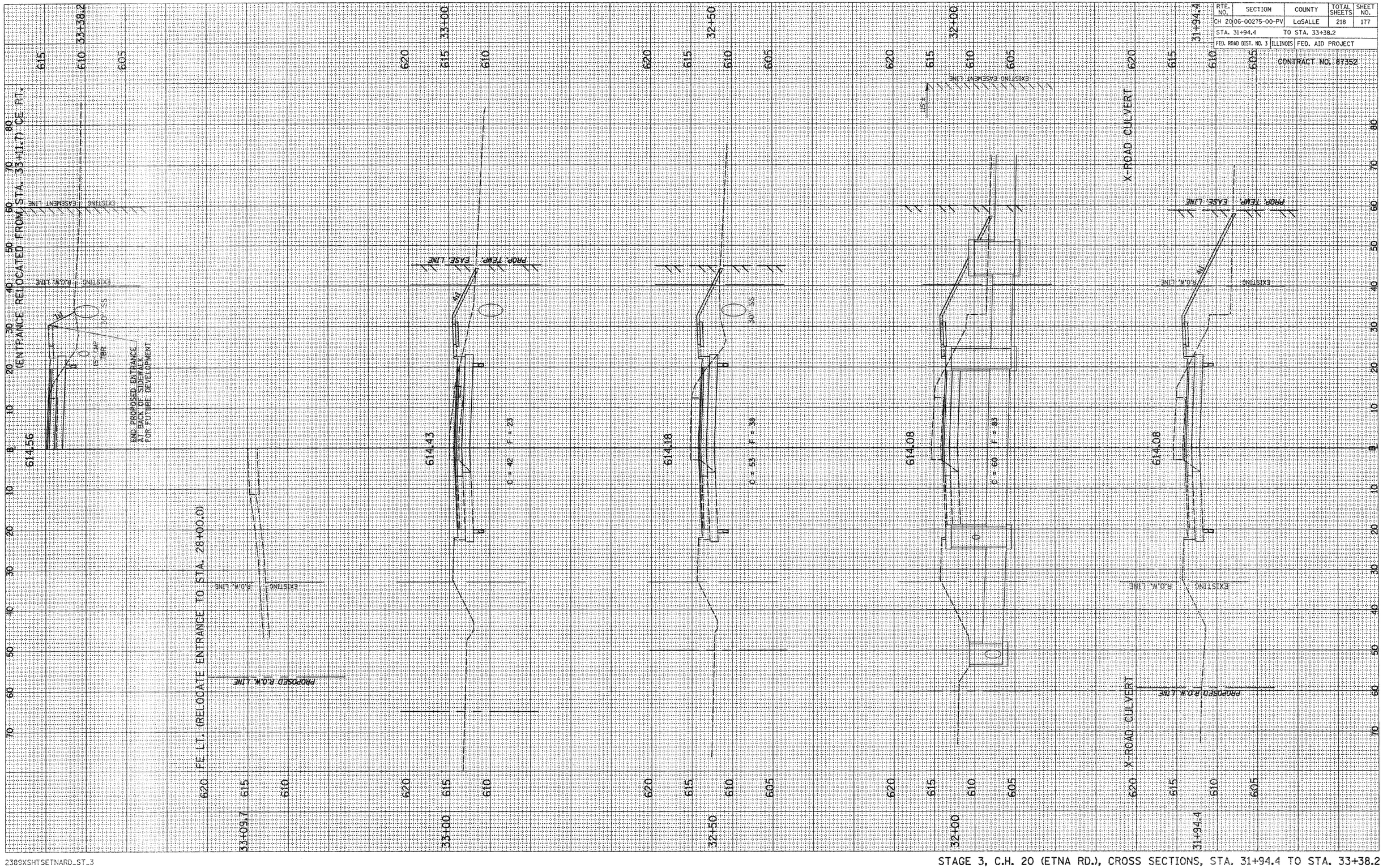


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 29+00 TO STA. 31+50

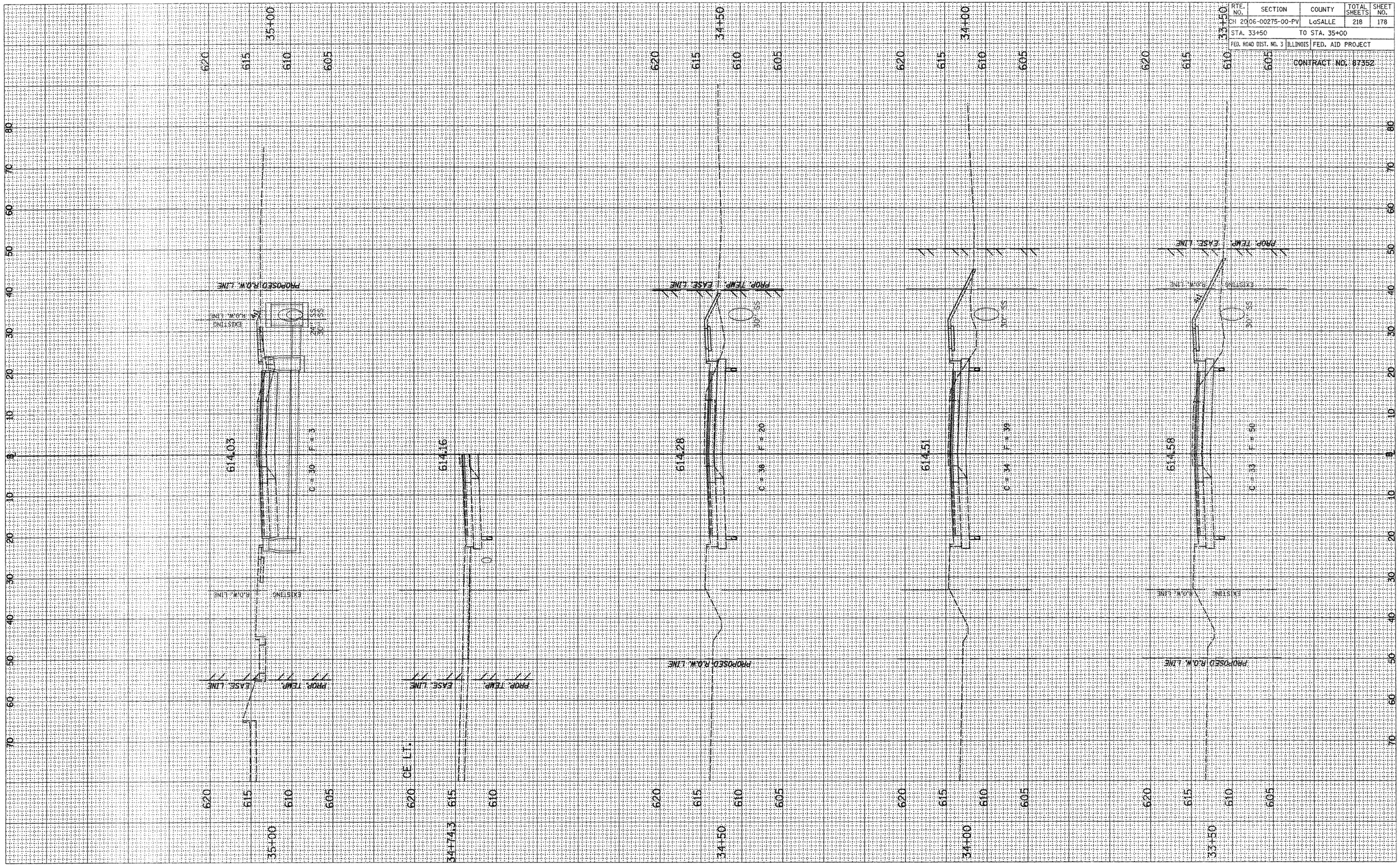
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	177
STA. 31+94.4		TO STA. 33+38.2		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	178
STA. 33+50	TO STA. 35+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

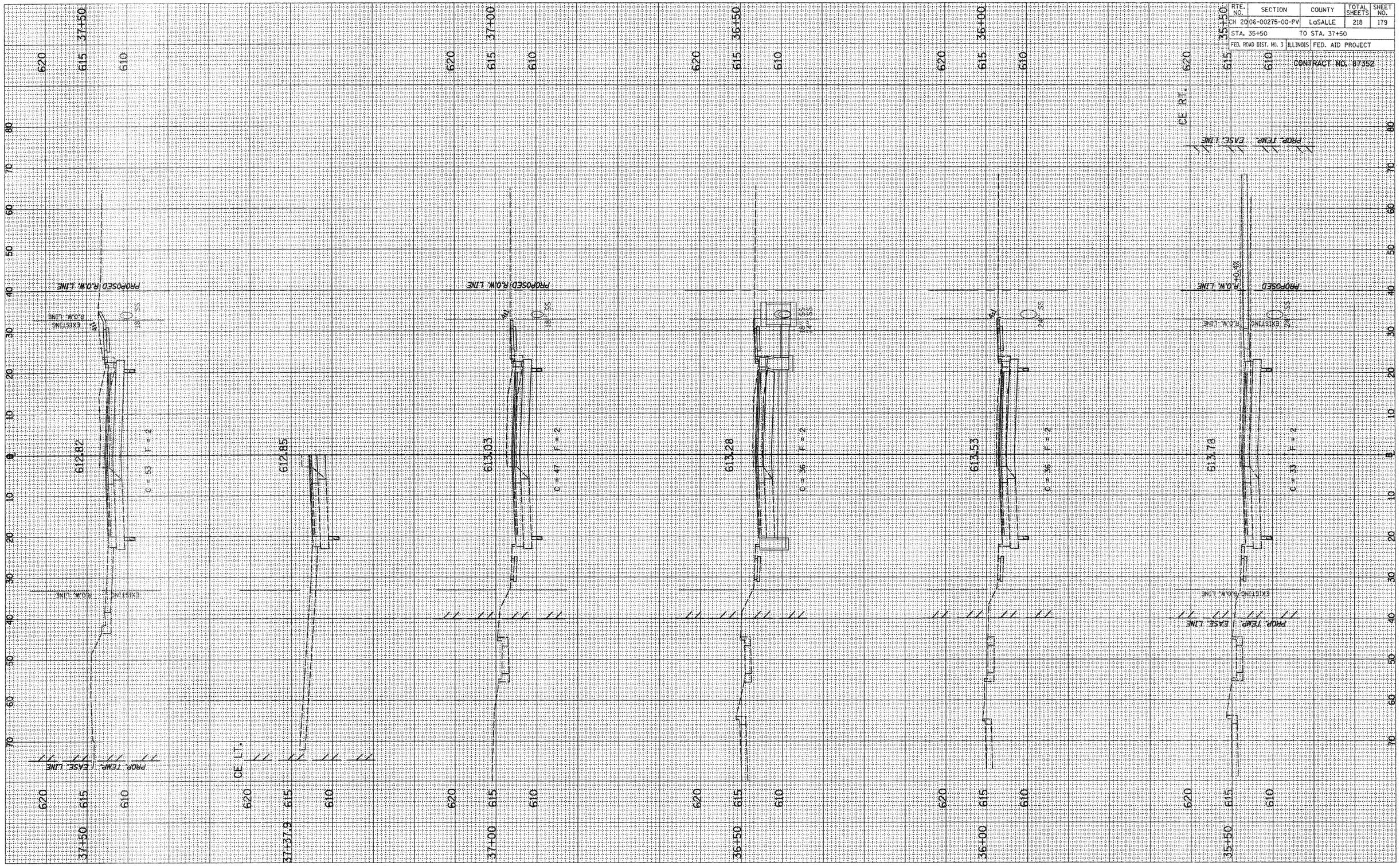


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 33+50 TO STA. 35+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	179
STA. 35+50		TO STA. 37+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

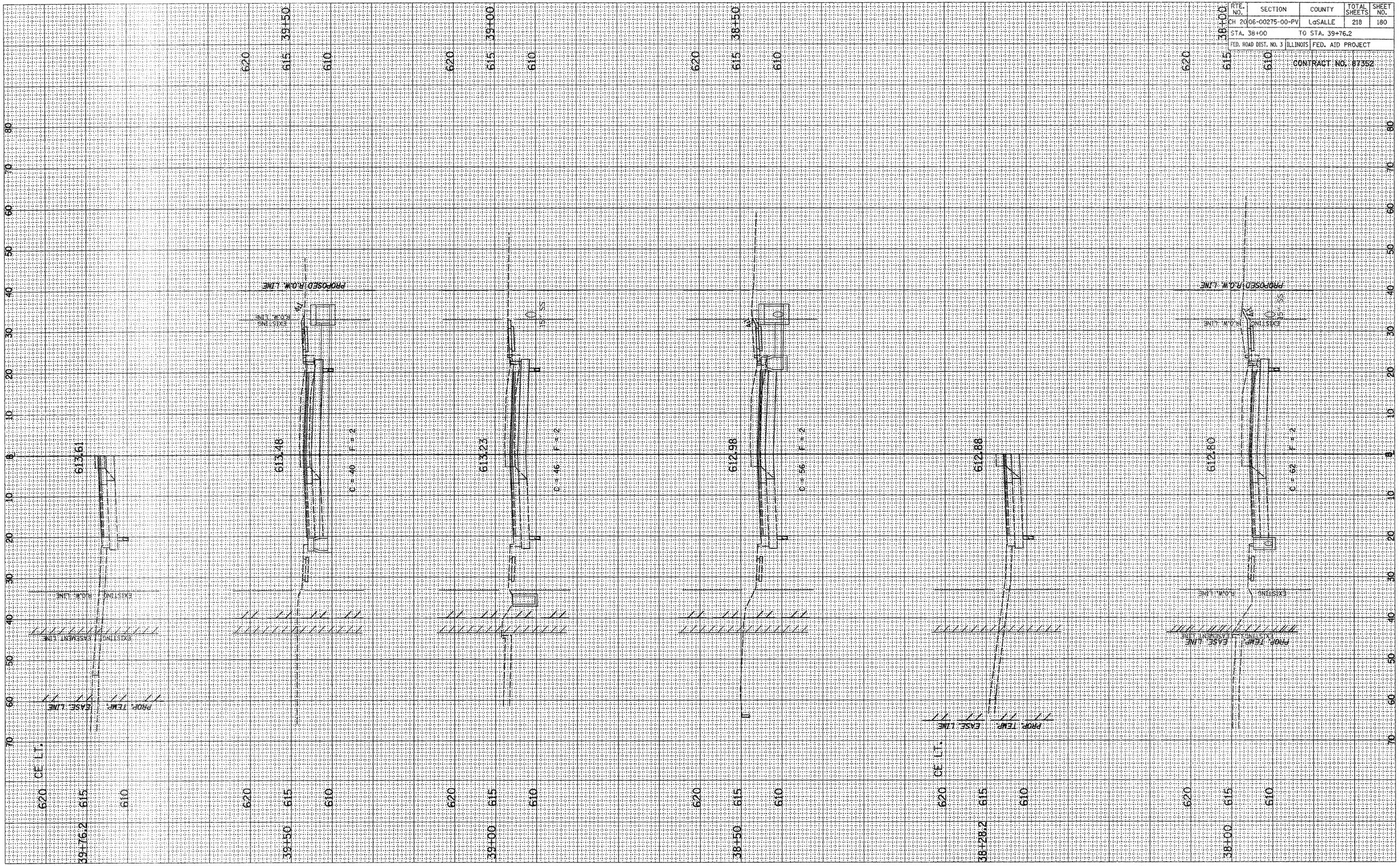


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 35+50 TO STA. 37+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	180
STA. 38+00		TO STA. 39+76.2		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

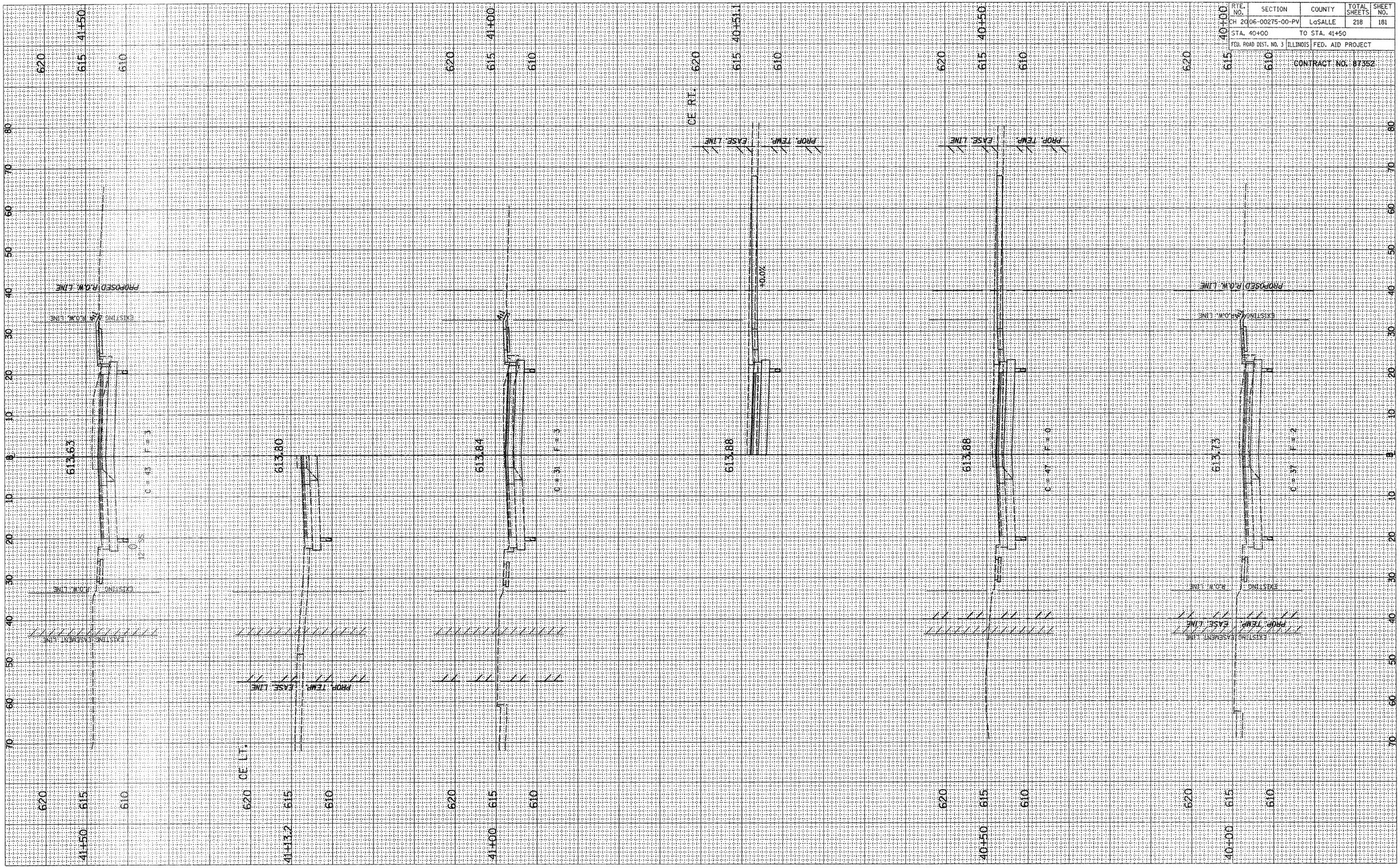


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 38+00 TO STA. 39+76.2

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	181
STA. 40+00	TO STA. 41+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

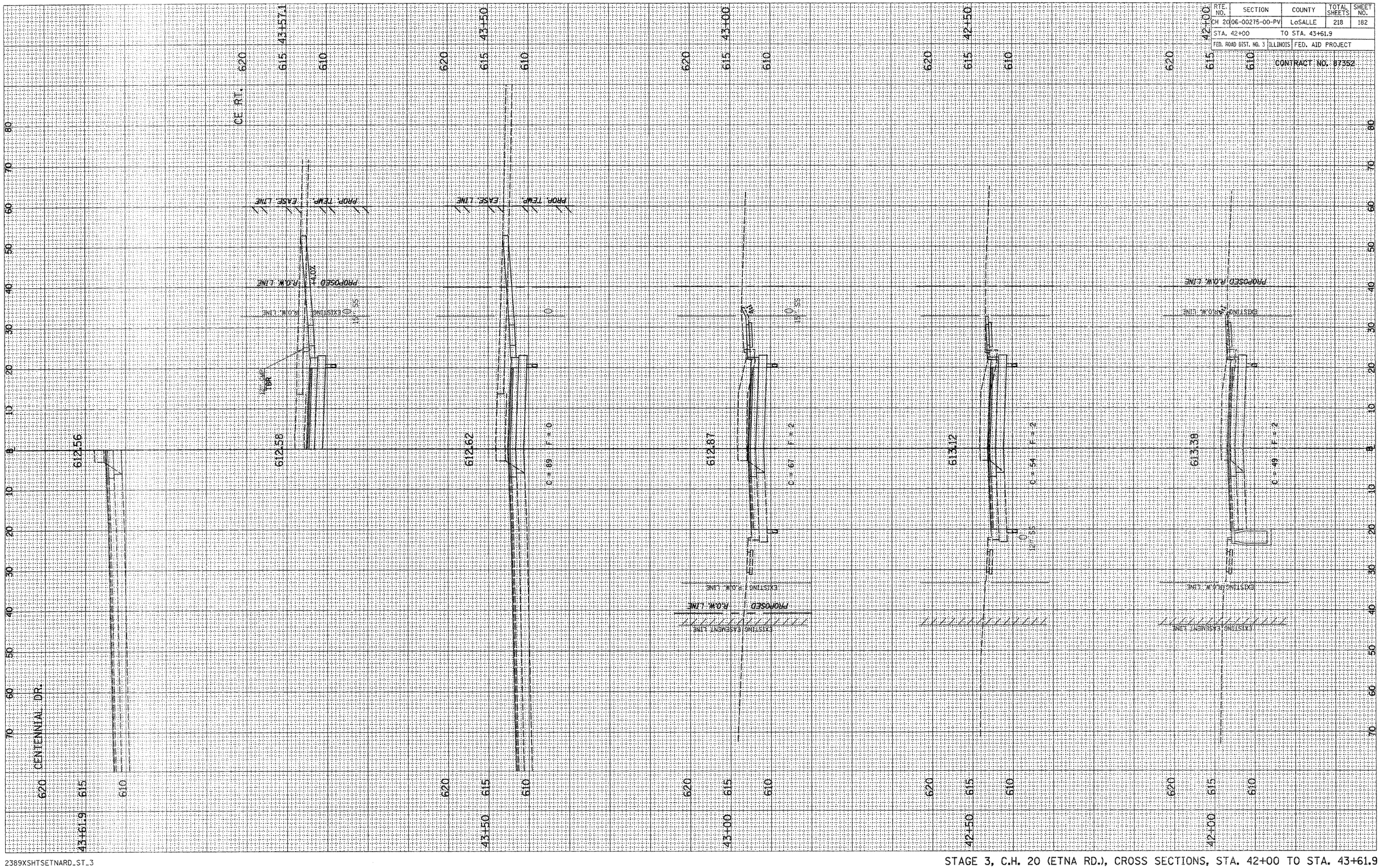


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 40+00 TO STA. 41+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	182
STA. 42+00		TO STA. 43+61.9		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

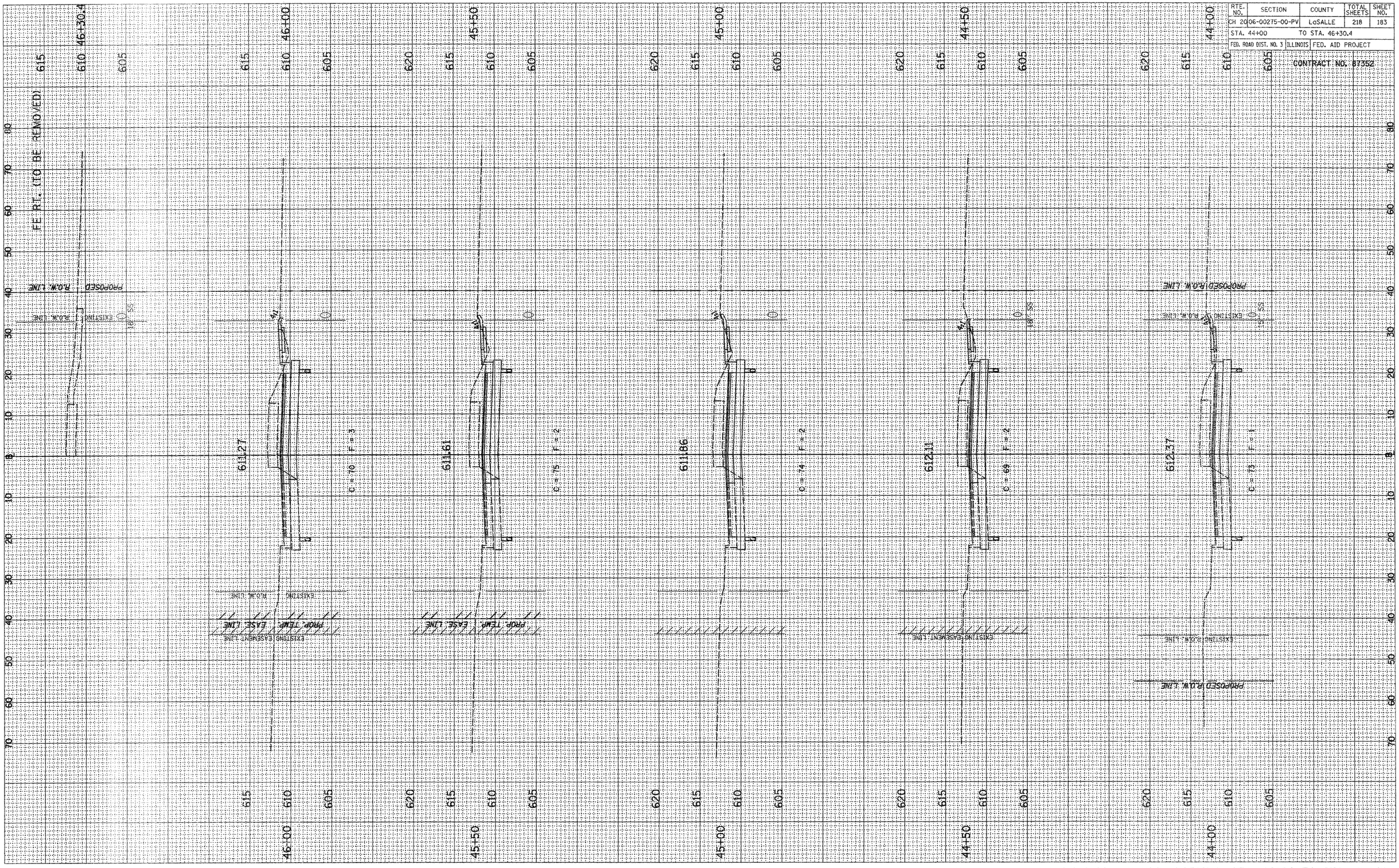


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 42+00 TO STA. 43+61.9

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	183
STA. 44+00		TO STA. 46+30.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

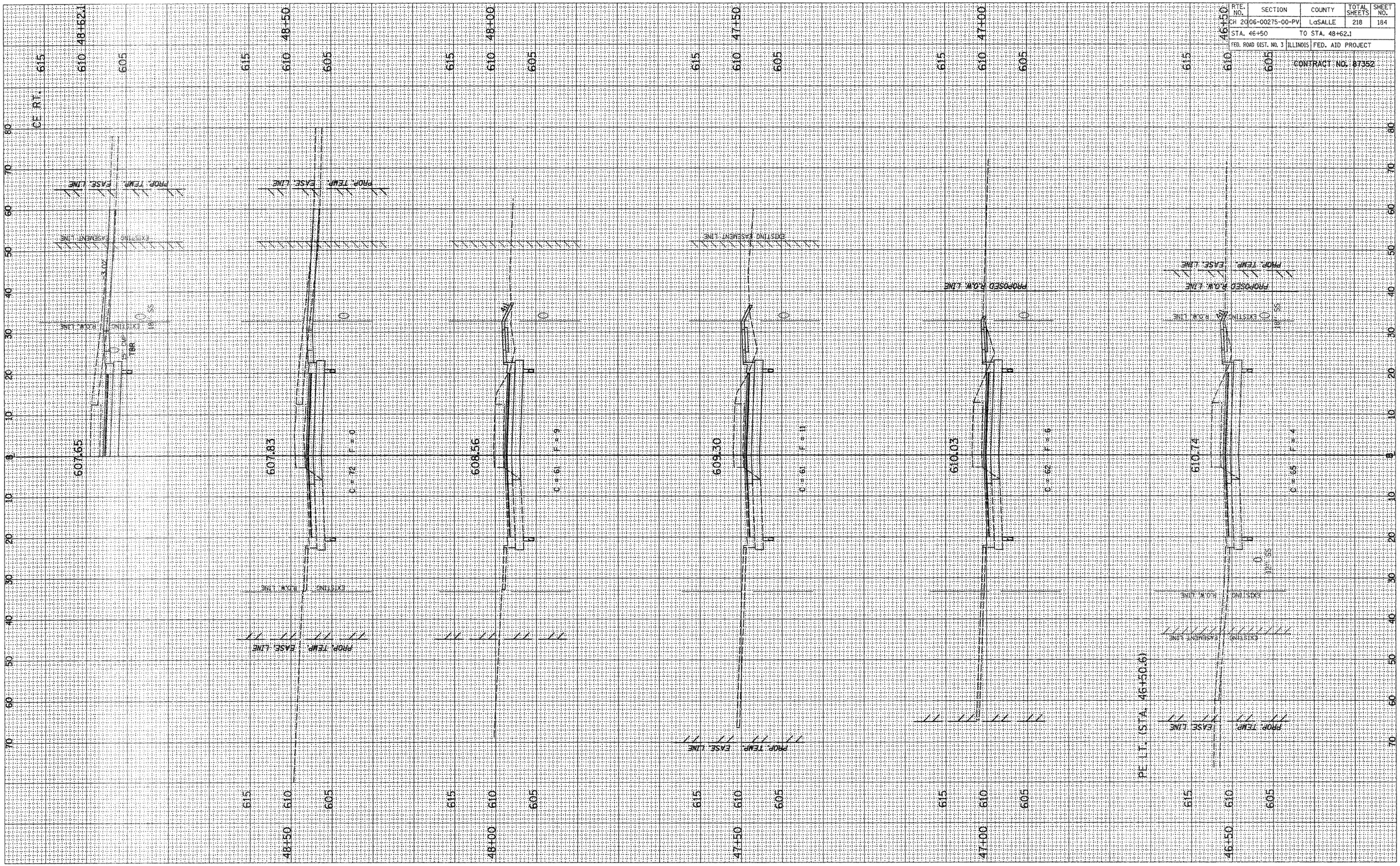


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 44+00 TO STA. 46+30.4

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	184
STA. 46+50	TO STA. 48+62.1			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

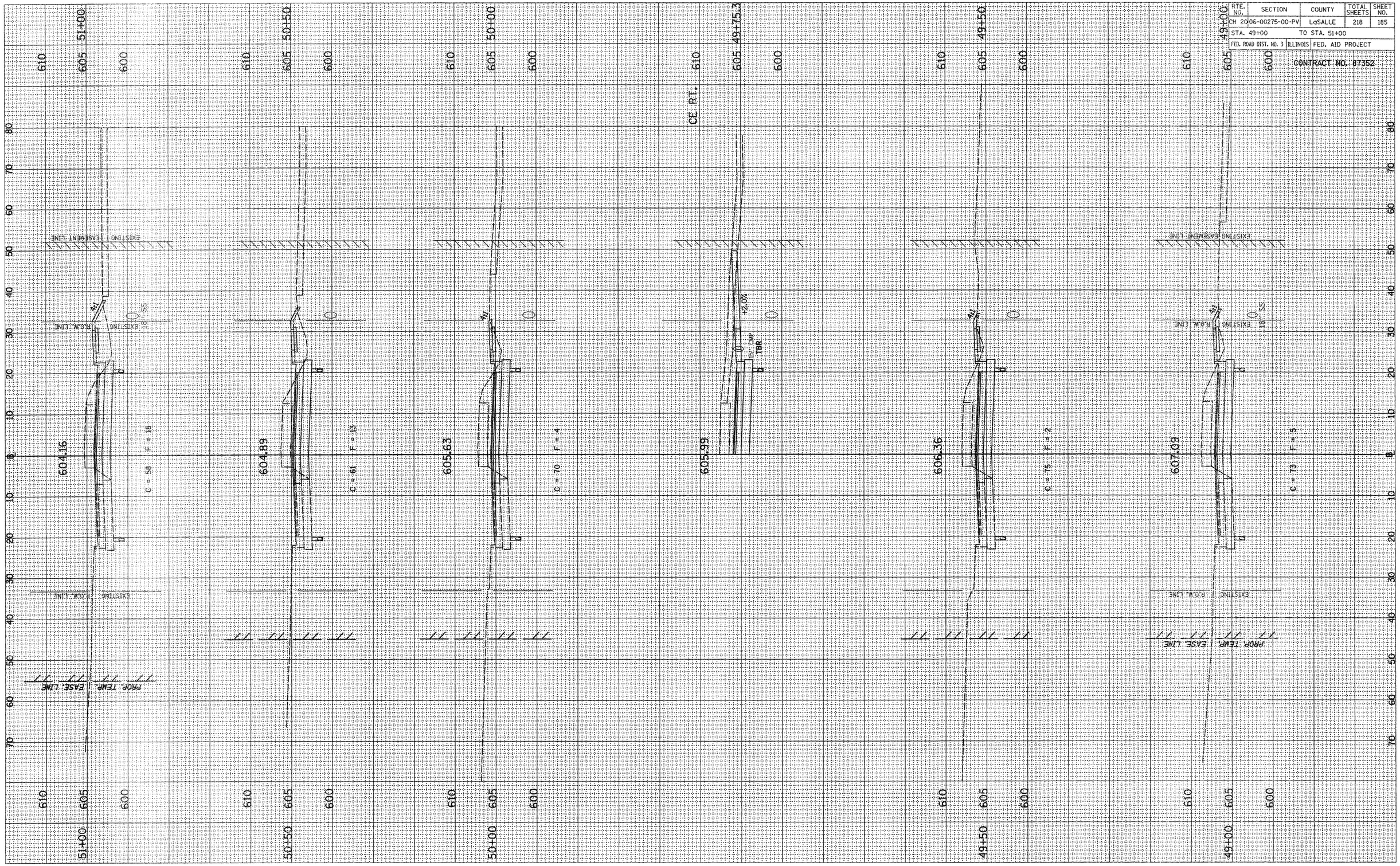


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 46+50 TO STA. 48+62.1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	185
STA. 49+00		TO STA. 51+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

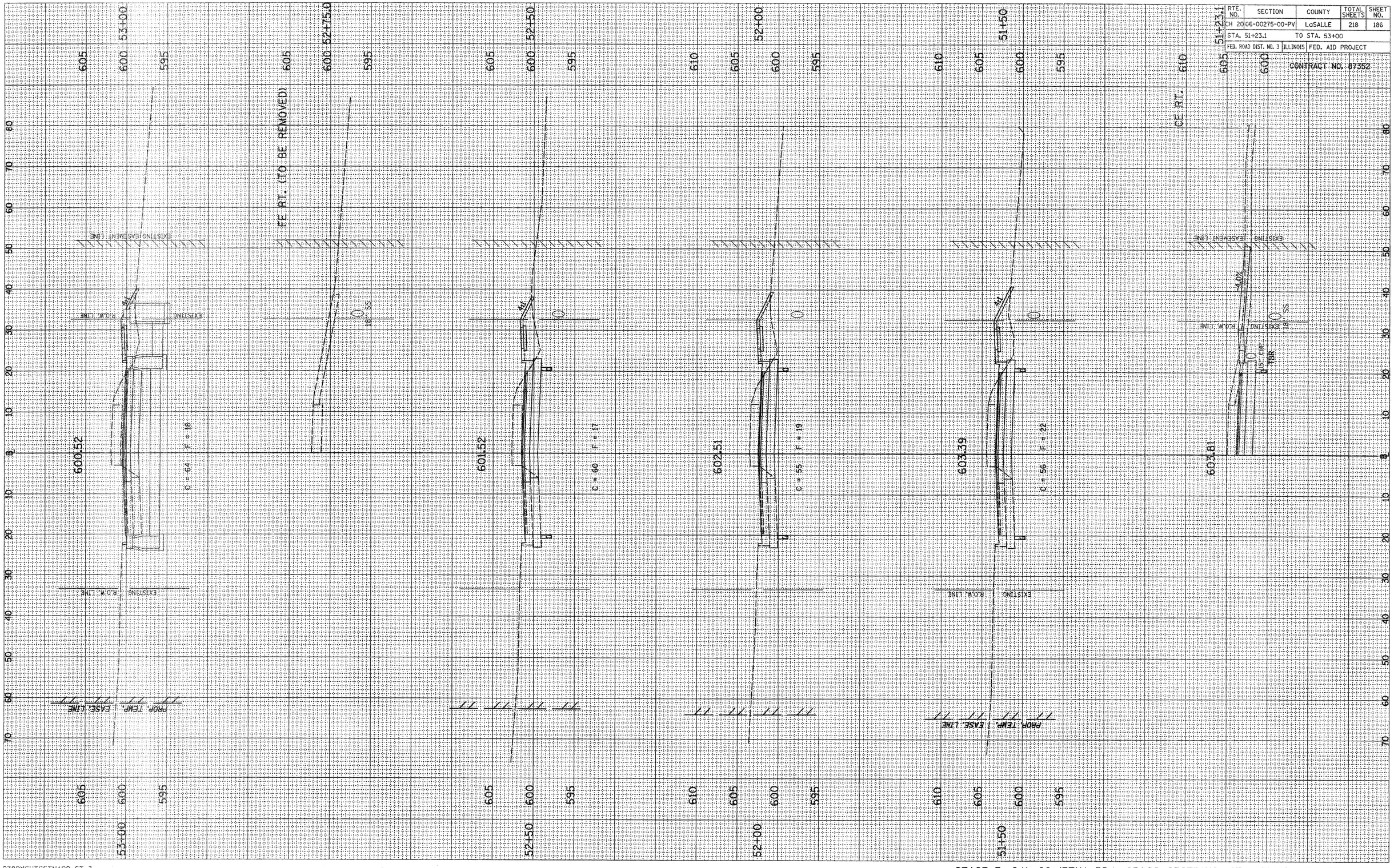


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 49+00 TO STA. 51+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	186
STA. 51+23.1		TO STA. 53+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

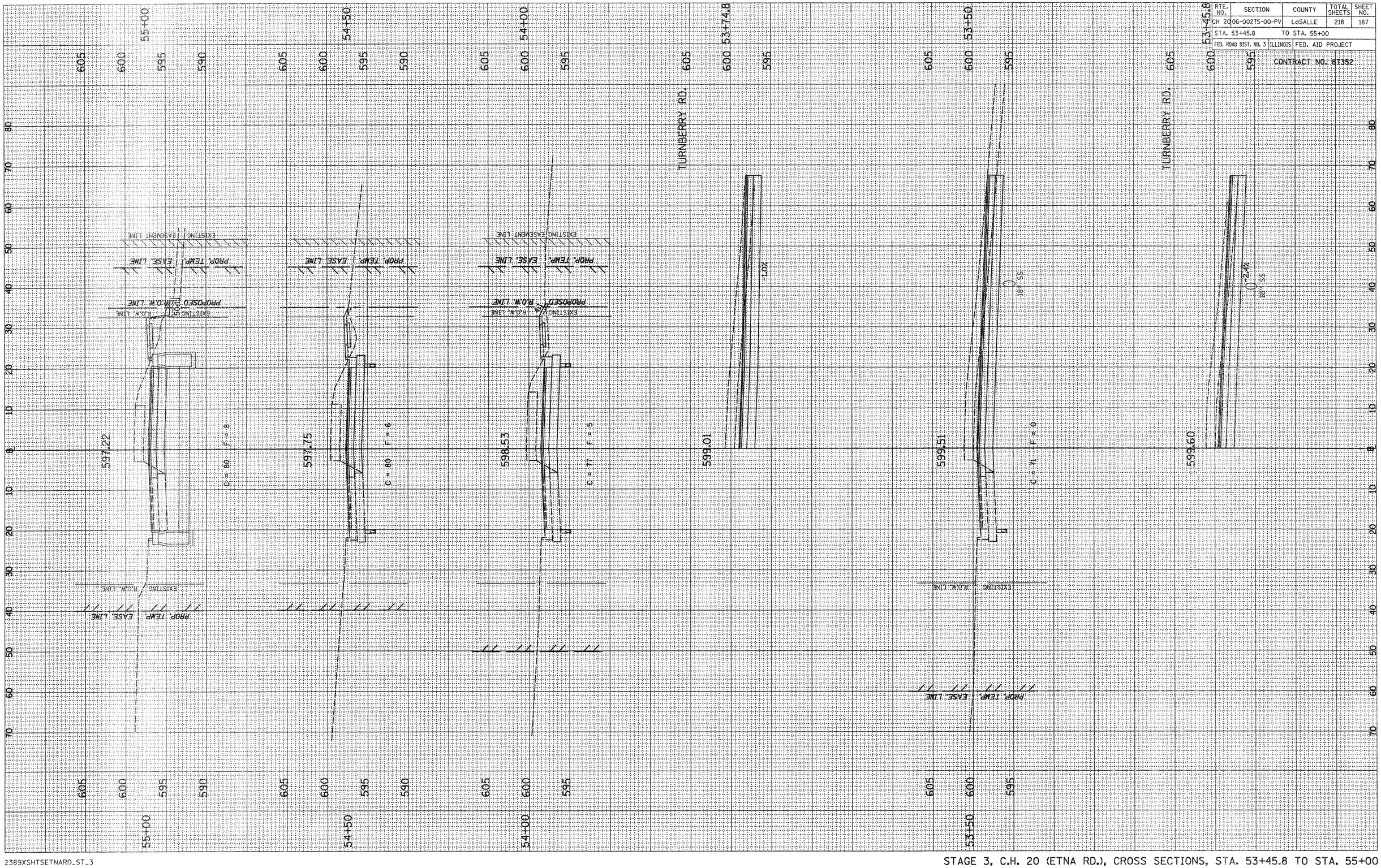


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 51+23.1 TO STA. 53+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	187
STA. 53+45.8		TO STA. 55+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 53+45.8 TO STA. 55+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	188
STA. 55+50		TO STA. 58+04.1		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

EXISTING ℄ @ STA. 57+94.6 PROPOSED ℄ @ STA. 58+04.1

590.33 591.75 593.37 594.94 596.13 596.86

C = 83 F = 2 | C = 73 F = 7 | C = 65 F = 9 | C = 61 F = 10 | C = 65 F = 17

PROP. TEMP. EASE. LINE | EXISTING R.O.W. LINE | PROPOSED R.O.W. LINE | EXISTING EASEMENT LINE

2389XSHTSETNARD_ST_3

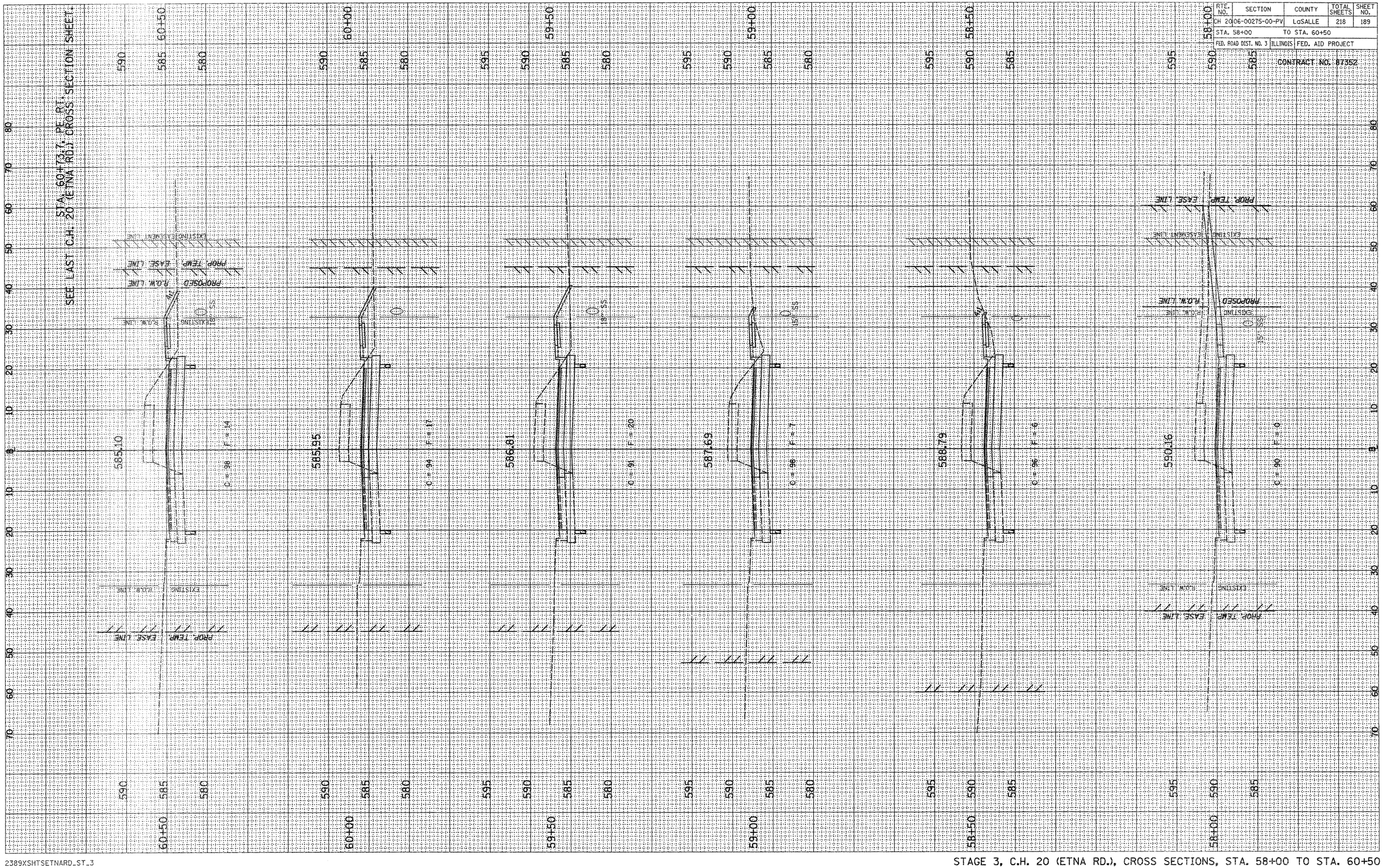
STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 55+50 TO STA. 58+04.1

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	189
STA. 58+00		TO STA. 60+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

SEE LAST C.H. 20 (ETNA RD.) CROSS SECTION SHEET.

STA. 60+73.7, PE, RT.



2389XSHTSETNARD_ST_3

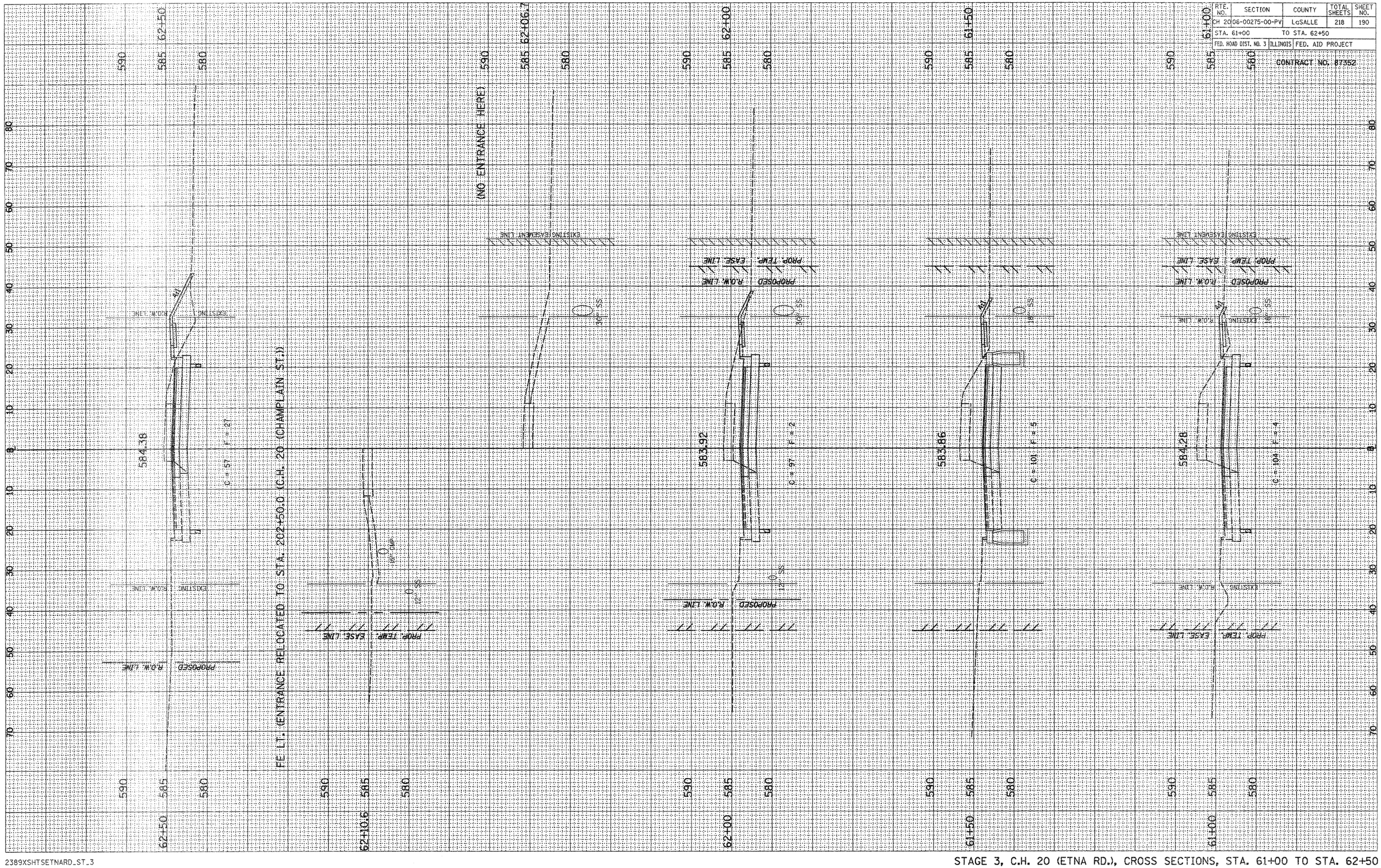
STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 58+00 TO STA. 60+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	190
STA. 61+00		TO STA. 62+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

FE. LT. (ENTRANCE RELOCATED TO STA. 202+50.0 (C.H. 20 (CHAMPLAIN ST.))

(NO ENTRANCE HERE)



2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 61+00 TO STA. 62+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CH 20-06-00275-00-PV	LaSALLE	218	191
	STA. 62+98.7, STA. 30+17.8 & STA. 60+73.7			
	FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 87352

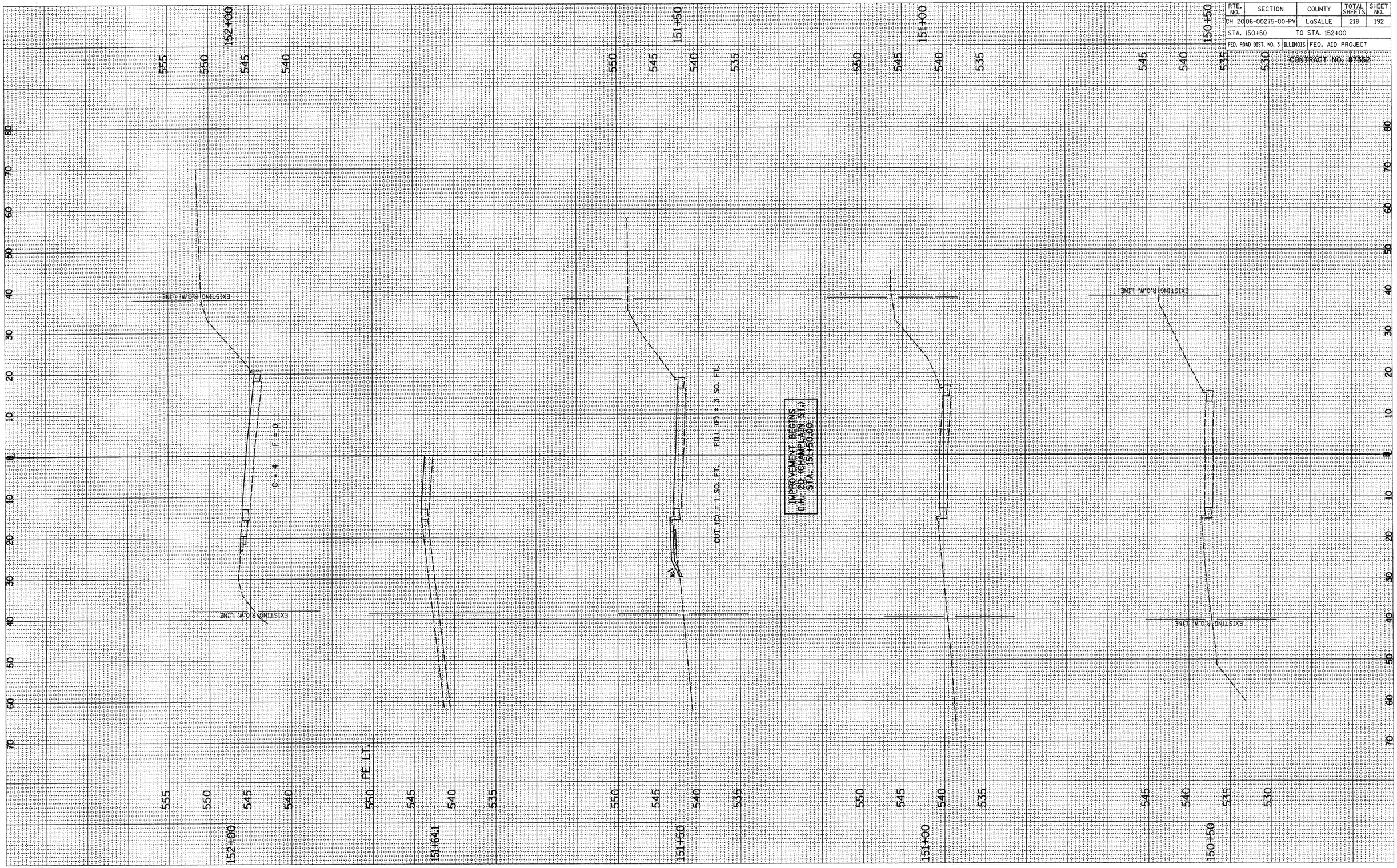


2389XSHTSETNARD_ST_3

STAGE 3, C.H. 20 (ETNA RD.), CROSS SECTIONS, STA. 62+98.7, STA. 30+17.8 & STA. 60+73.7

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	192
STA. 150+50	TO STA. 152+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

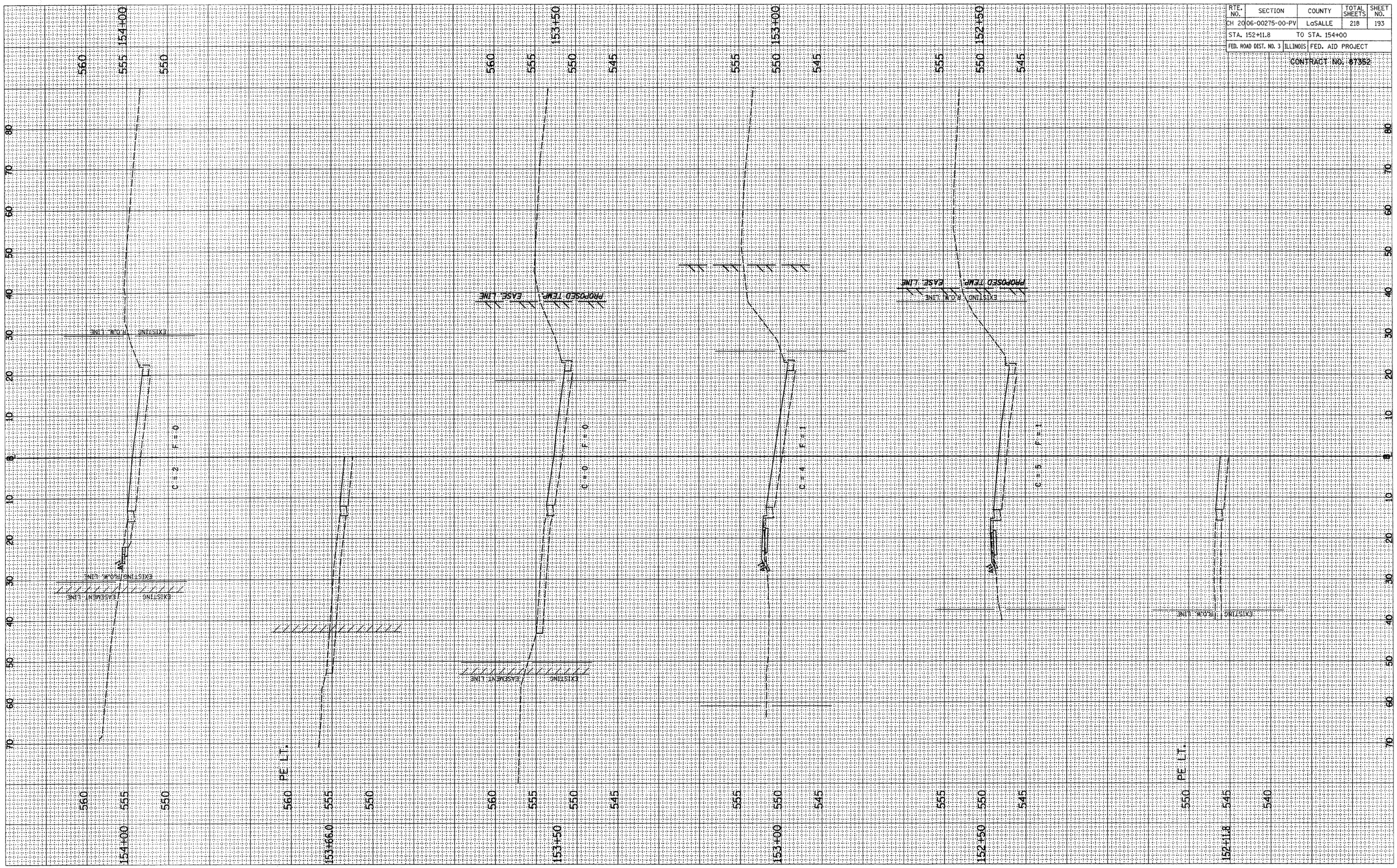


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 150+50 TO STA. 152+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	193
STA. 152+11.8		TO STA. 154+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

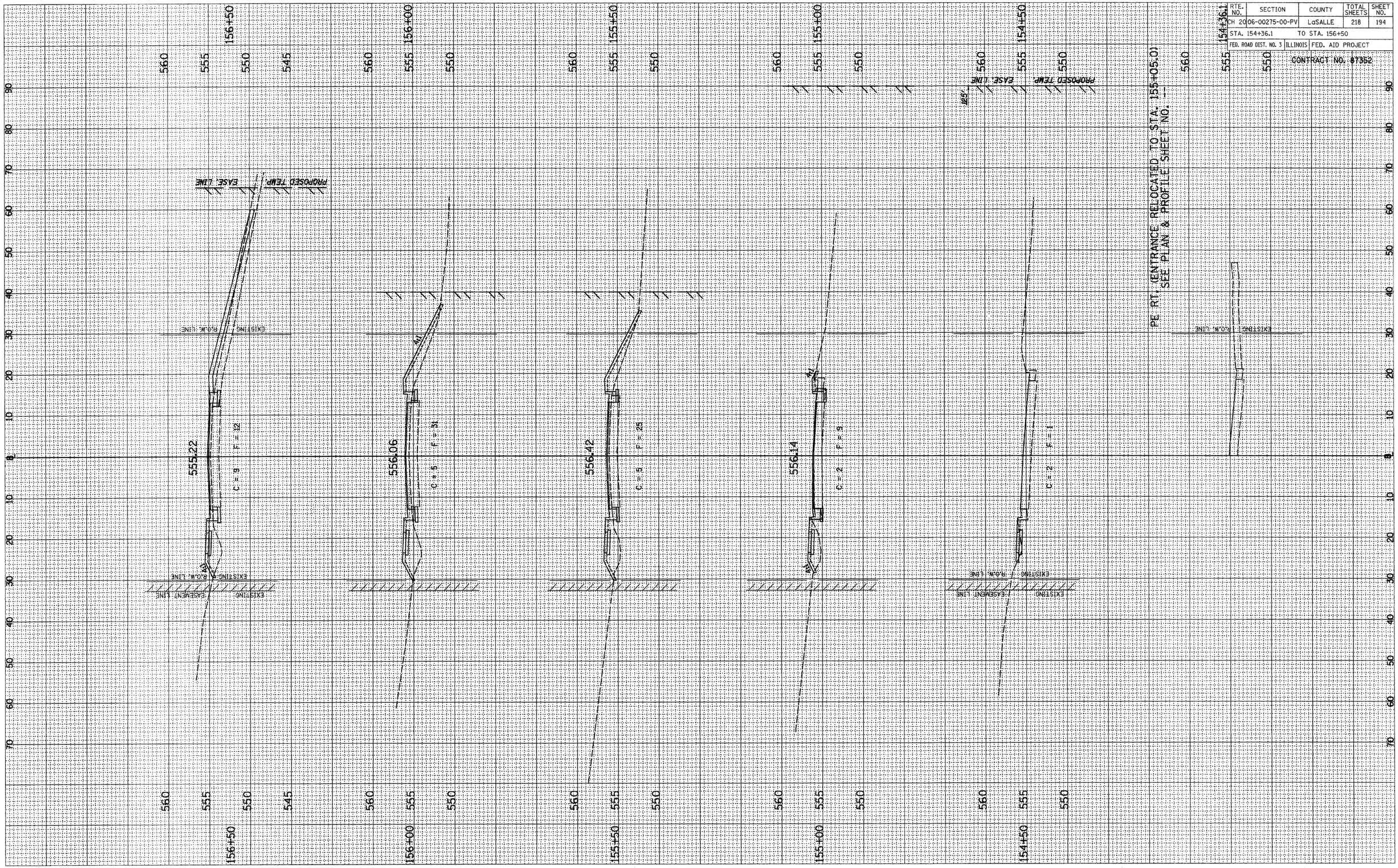
CONTRACT NO. 67352



RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	194
STA. 154+36.1		TO STA. 156+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

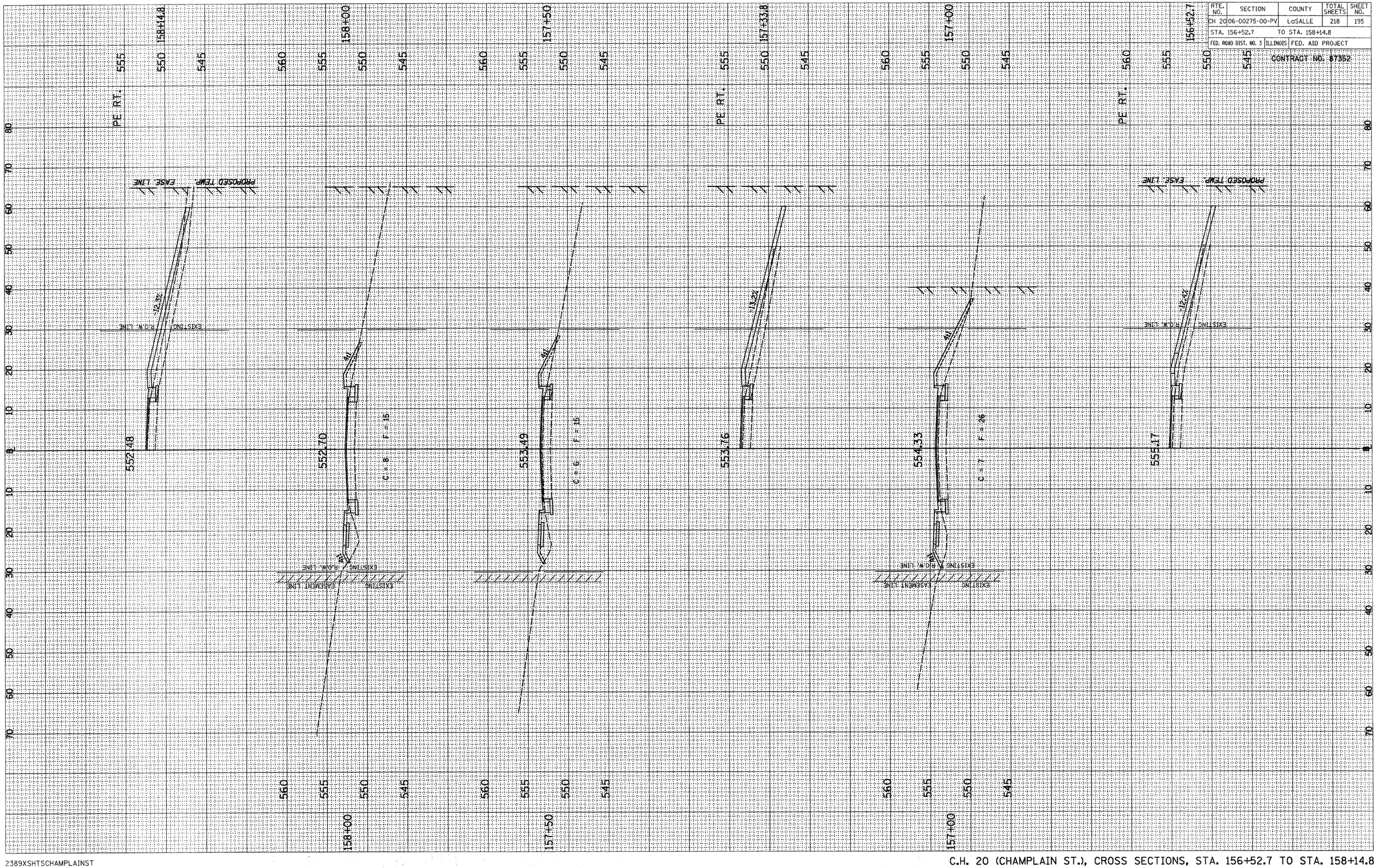
CONTRACT NO. 87352

PE RT. (ENTRANCE RELOCATED TO STA. 155+05.0) SEE PLAN & PROFILE SHEET NO. ---



RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	195
STA. 156+52.7		TO STA. 158+14.8		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

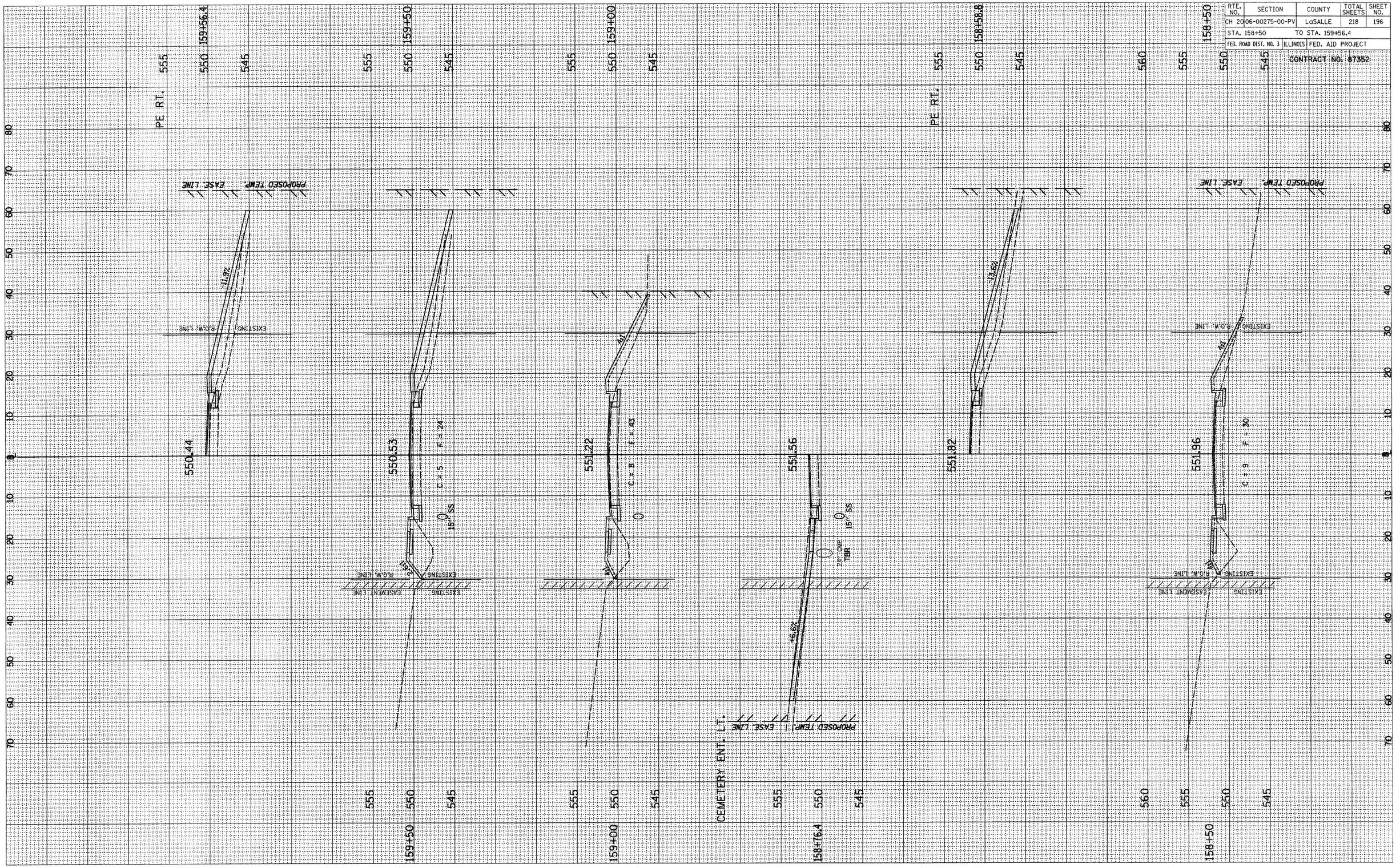


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 156+52.7 TO STA. 158+14.8

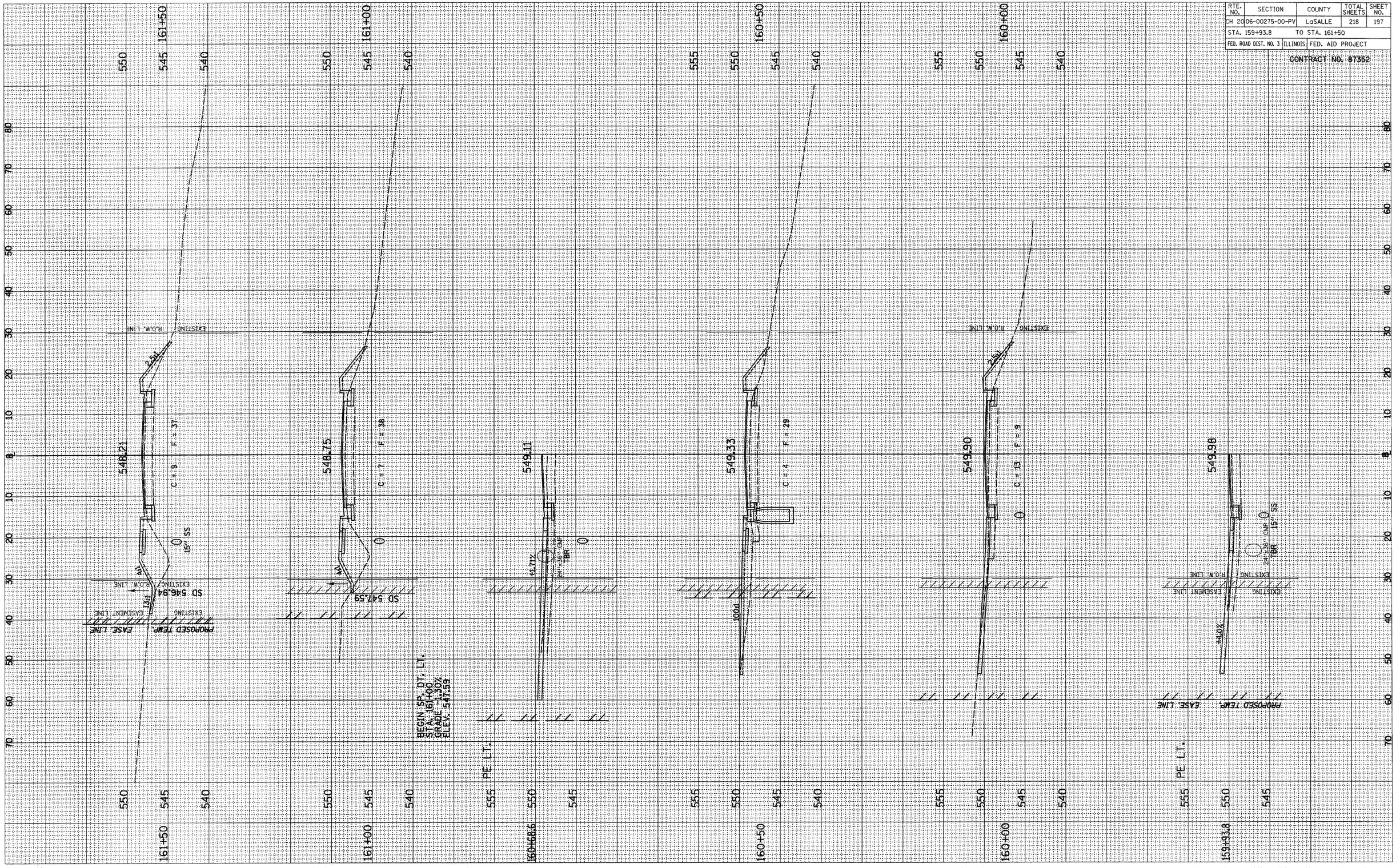
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	196
STA. 158+50		TO STA. 159+56.4		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352



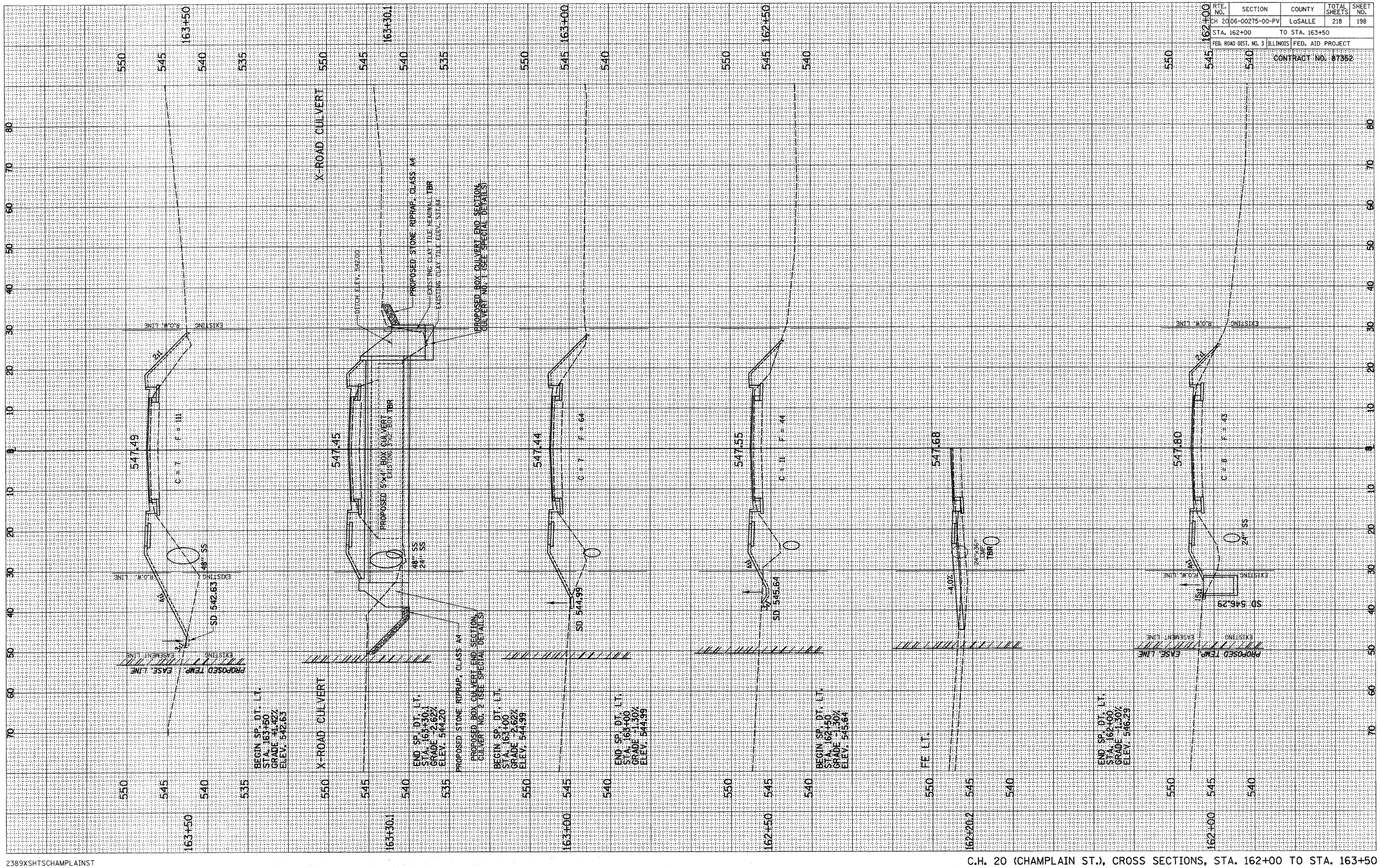
RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	197
STA. 159+93.8	TO STA. 161+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352


161+50
161+00
160+50
160+00
159+93.8
548.21
548.75
549.11
549.33
549.90
549.98
F = 37
F = 36
F = 29
F = 9
C = 9
C = 7
C = 4
C = 13
2.5%
4%
4:1
SD 546.94
SD 547.59
EXISTING R.O.W. LINE
PROPOSED TEMP. EASE. LINE
EASEMENT LINE
BEGIN SP. DT. LT.
STA. 161+00
GRADE -1.30%
ELEV. 547.59
PE LT.
24" CMP
TBR
15" SS
18" SS
0
0
0

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	198
STA. 162+00		TO STA. 163+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

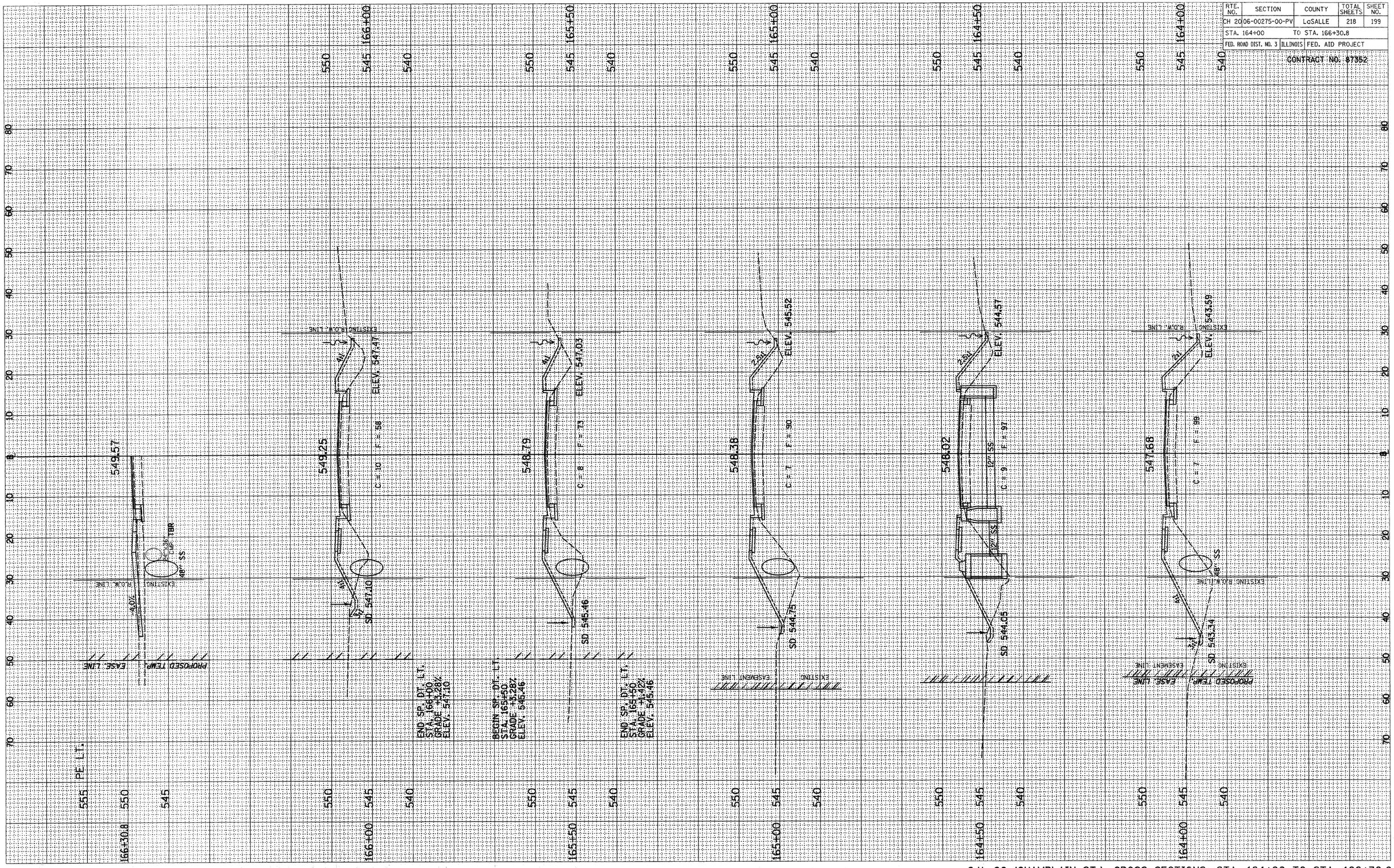


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 162+00 TO STA. 163+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	199
STA. 164+00		TO STA. 166+30.8		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

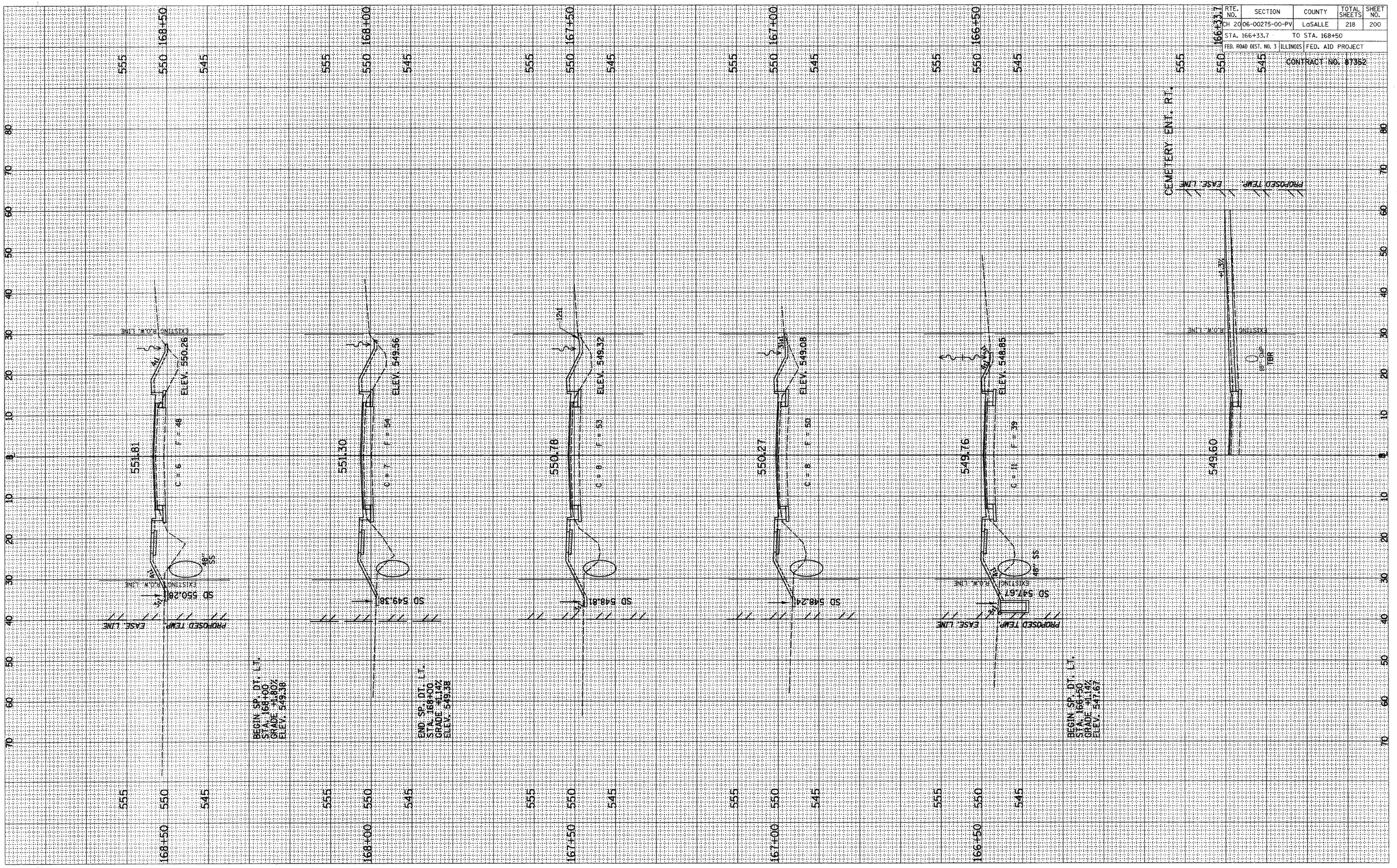


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 164+00 TO STA. 166+30.8

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	200
STA. 166+33.7		TO STA. 168+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

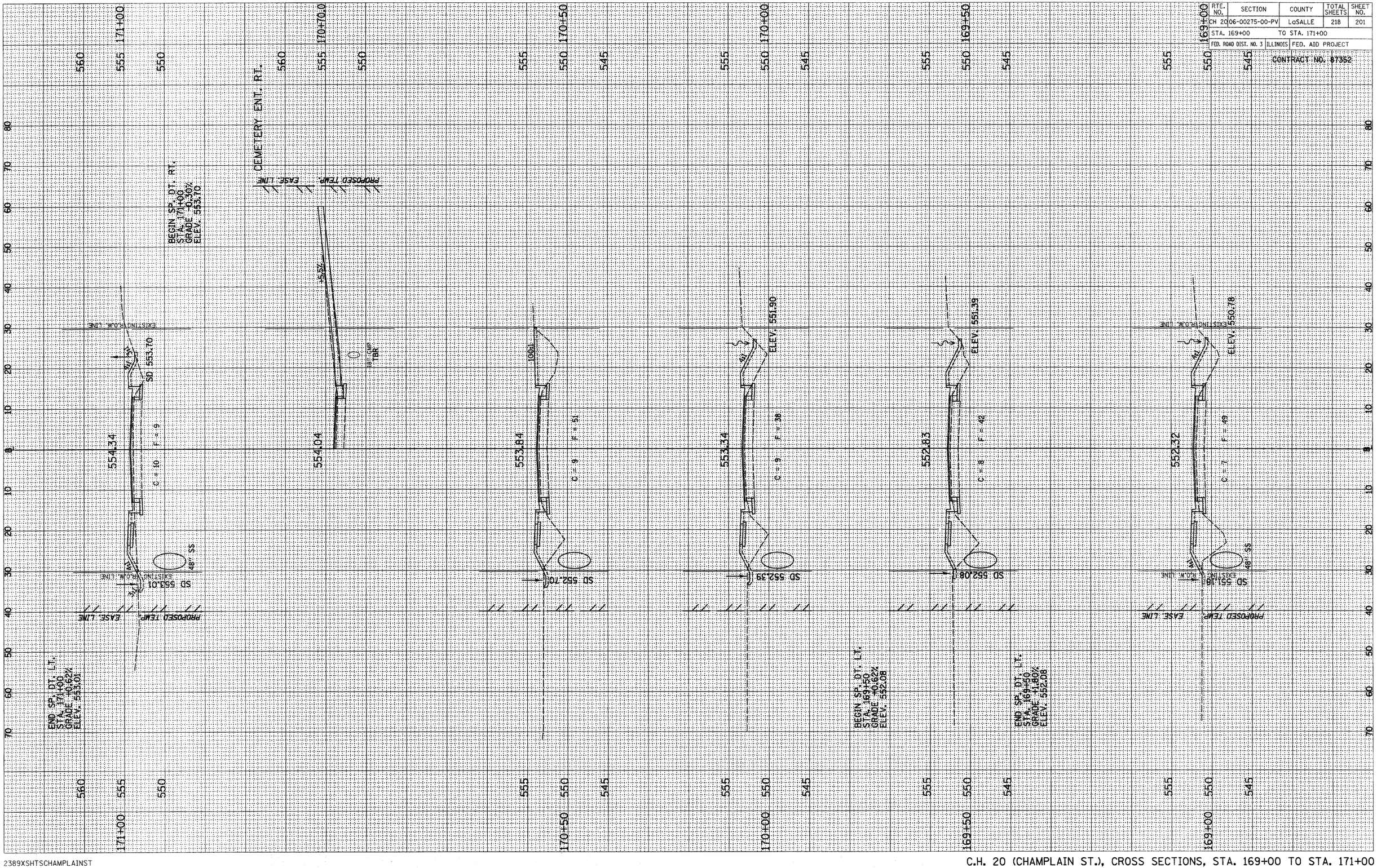


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 166+33.7 TO STA. 168+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	201
STA. 169+00		TO STA. 171+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

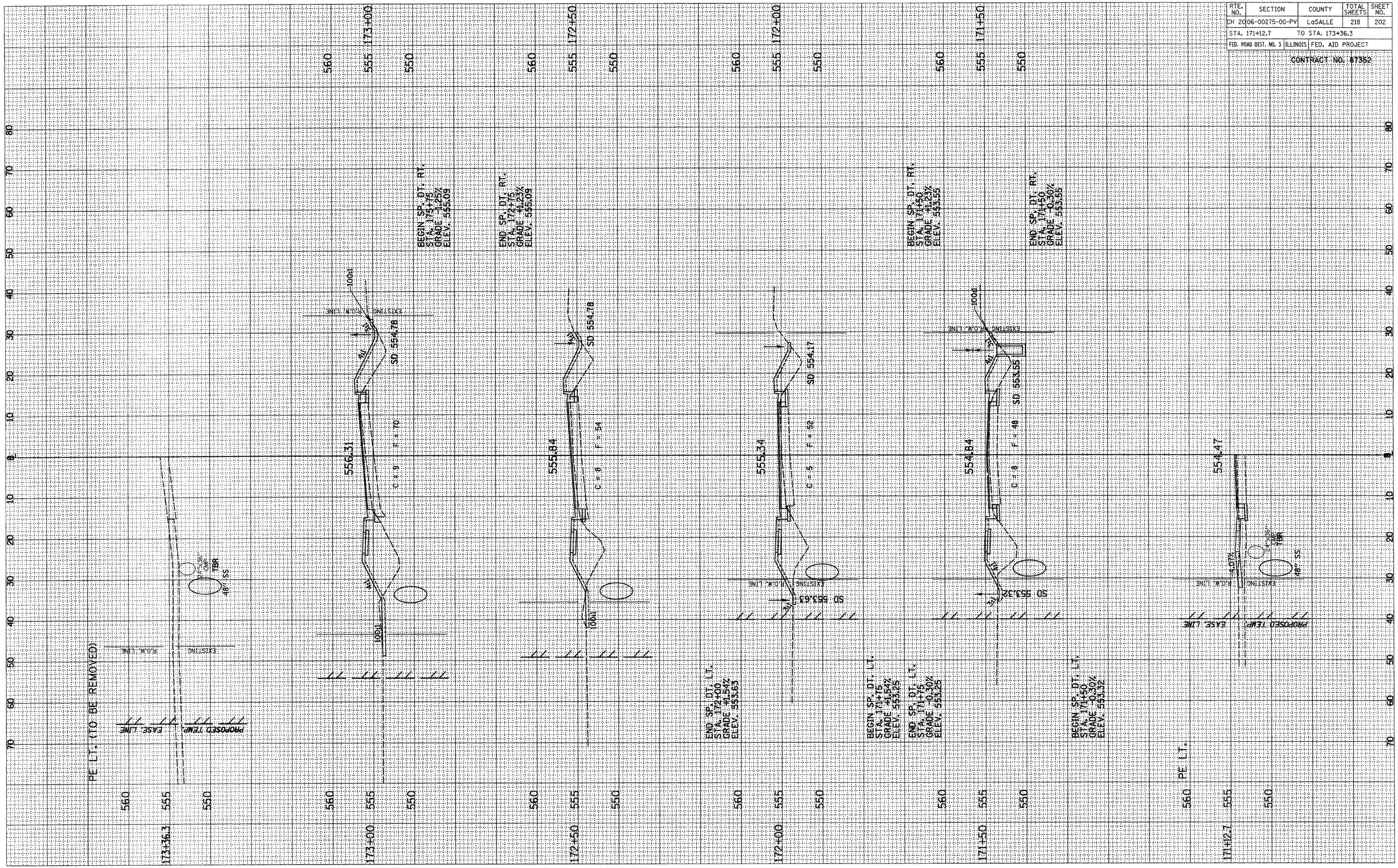


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 169+00 TO STA. 171+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	202
STA. 171+12.7		TO STA. 173+36.3		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

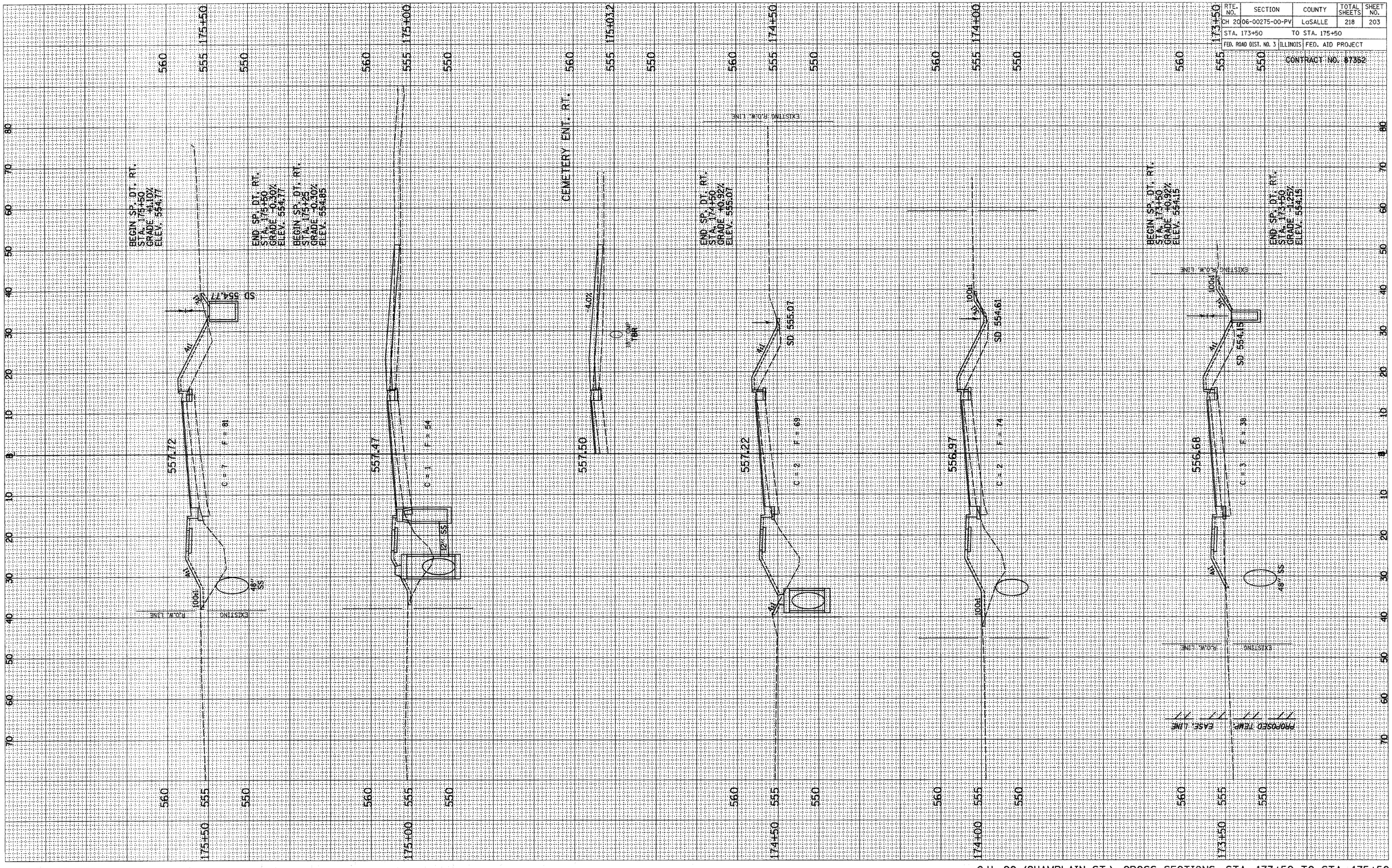


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 171+12.7 TO STA. 173+36.3

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	203
STA. 173+50	TO STA. 175+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

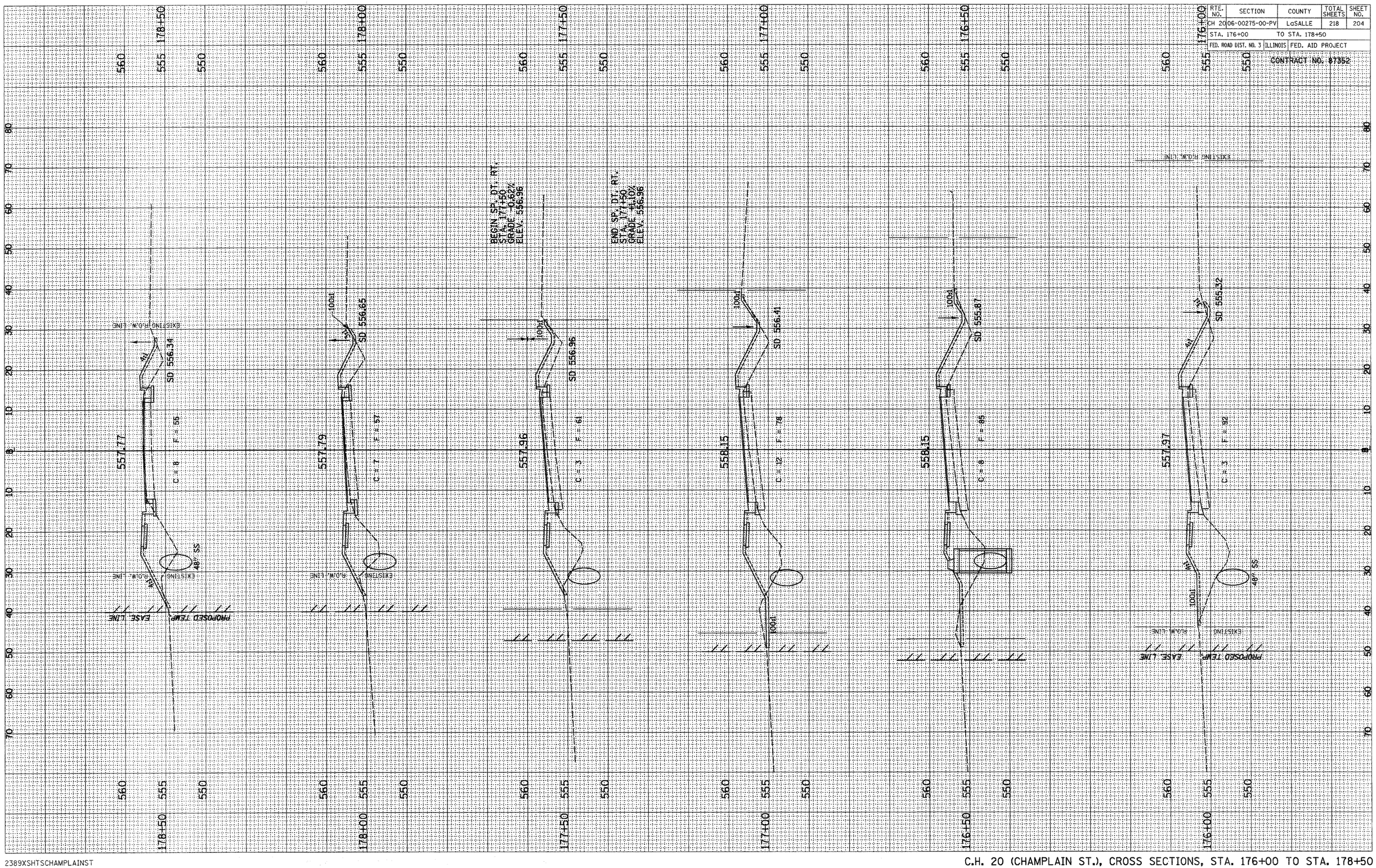


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 173+50 TO STA. 175+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	204
STA. 176+00		TO STA. 178+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

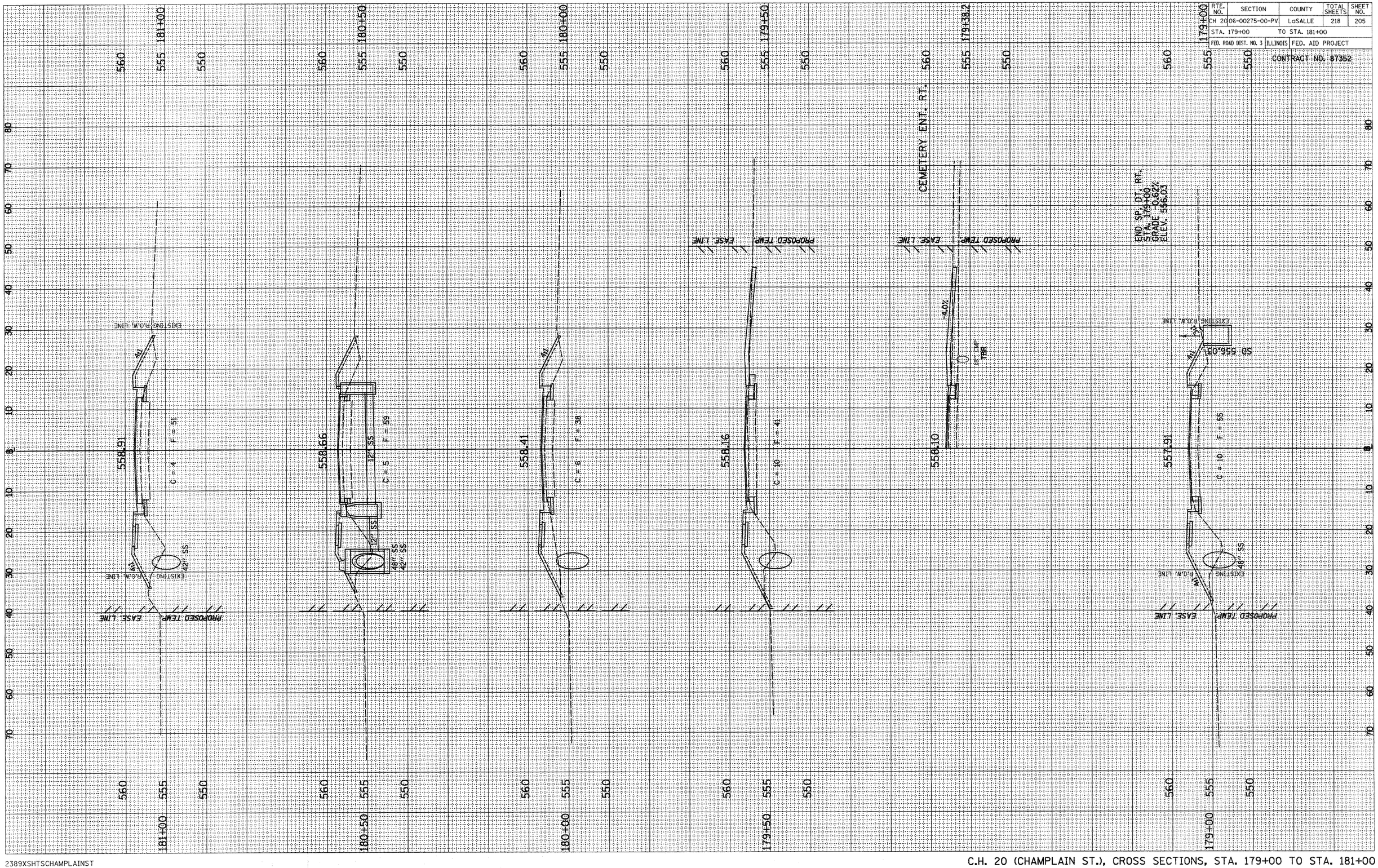
CONTRACT NO. 87352



C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 176+00 TO STA. 178+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	205
STA. 179+00	TO STA. 181+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

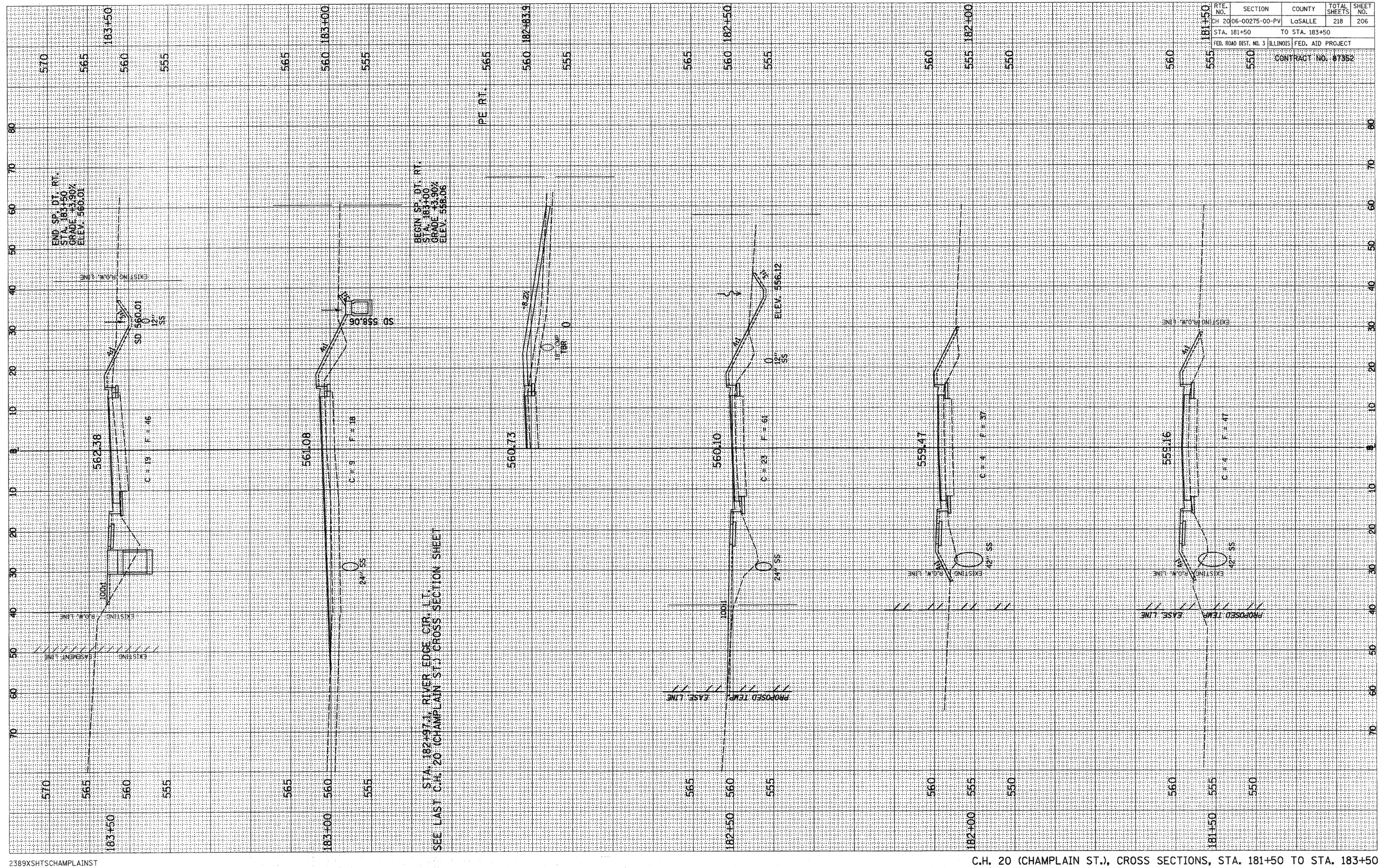


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 179+00 TO STA. 181+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	206
STA. 181+50		TO STA. 183+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 181+50 TO STA. 183+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	207
STA. 183+66.9		TO STA. 185+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

END SP. DT. RT.
STA. 185+50
GRADE +2.92%
ELEV. 566.34

BEGIN SP. DT. RT.
STA. 184+00
GRADE +2.92%
ELEV. 561.96

END SP. DT. RT.
STA. 184+00
GRADE +3.90%
ELEV. 561.96

BEGIN SP. DT. RT.
STA. 183+85
GRADE +3.90%
ELEV. 561.38

ALLEY RT.

PROPOSED TEMP. EASE. LINE

EXISTING R.O.W. LINE

EASEMENT LINE

3.8%

36" SS

100±

SD 566.34
SD 564.88
SD 563.42
SD 561.96

C = 6 F = 58
C = 12 F = 73
C = 15 F = 59
C = 3 F = 15

567.81
566.45
565.09
563.74
563.70
562.84

(ENTRANCE GONE)

BEGIN SP. LT.
STA. 185+25
GRADE +0.77%
ELEV. 565.69

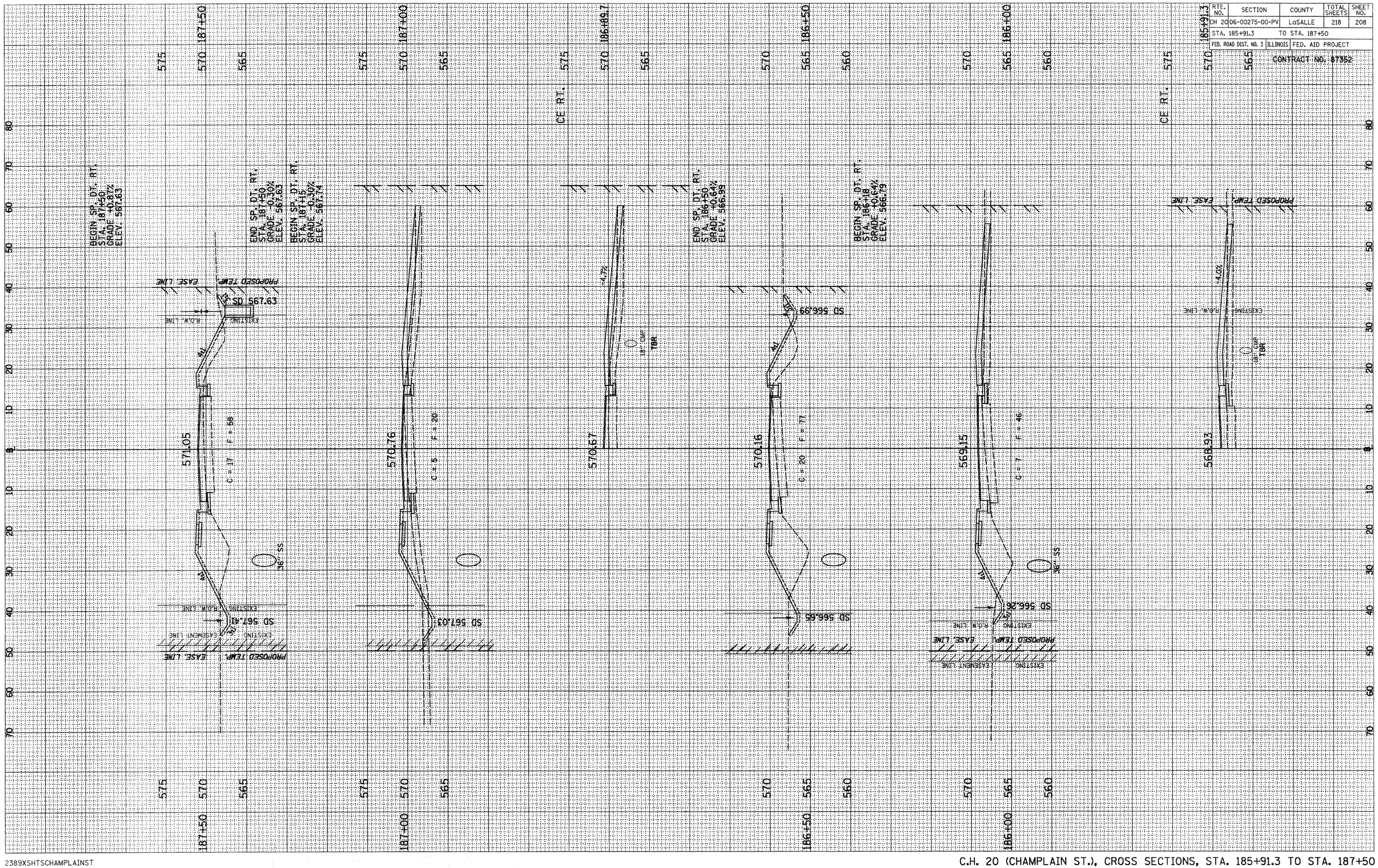
SD 565.88

2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 183+66.9 TO STA. 185+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	208
STA. 185+91.3		TO STA. 187+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 185+91.3 TO STA. 187+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	209
STA. 188+00	TO STA. 189+75.3			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

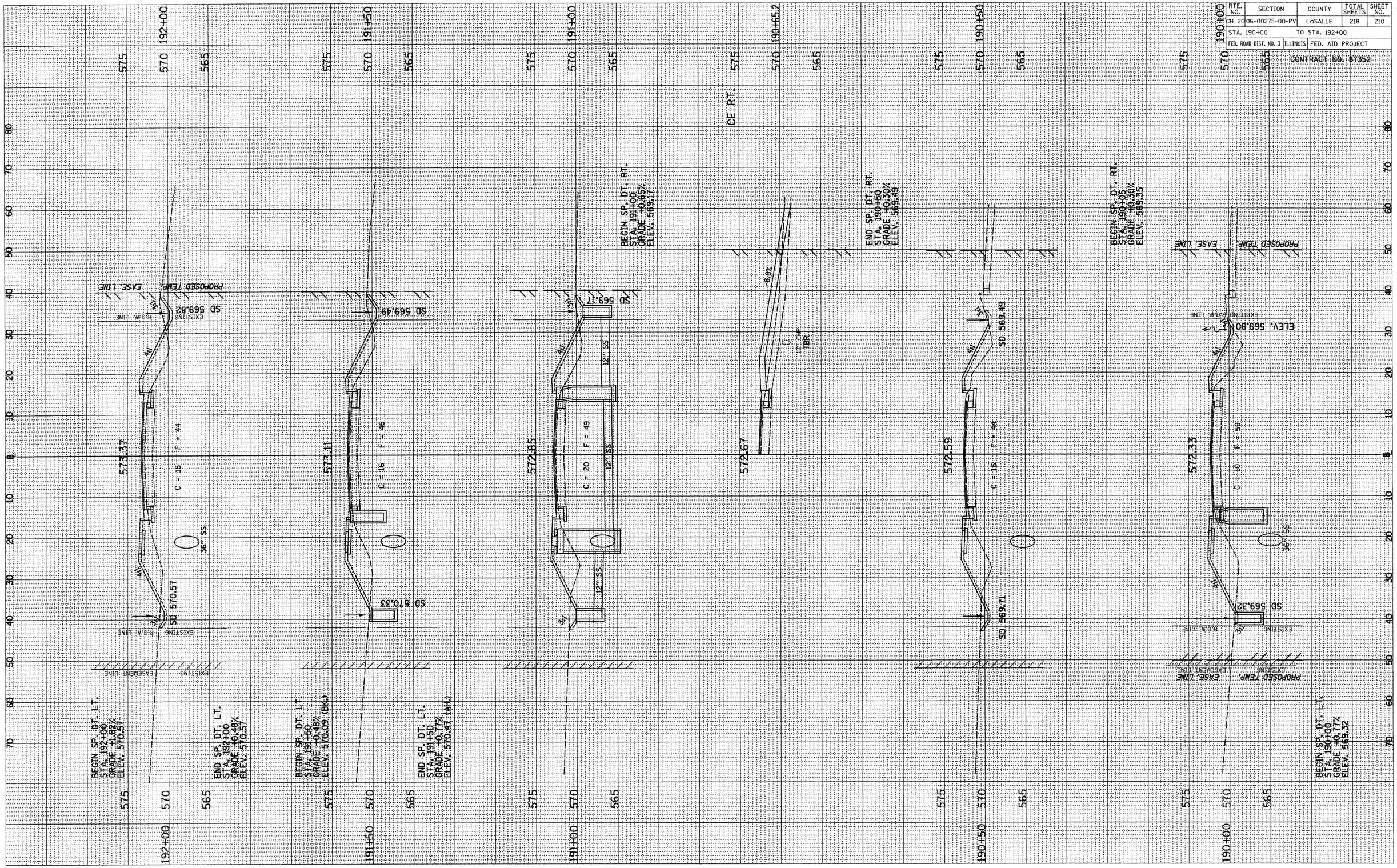
SEE LAST C.H. 20 (CHAMPLAIN ST.) CROSS SECTION SHEET

STA. 189+47.1, CE. LT.

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 188+00 TO STA. 189+75.3

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	210
STA. 190+00	TO STA. 192+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

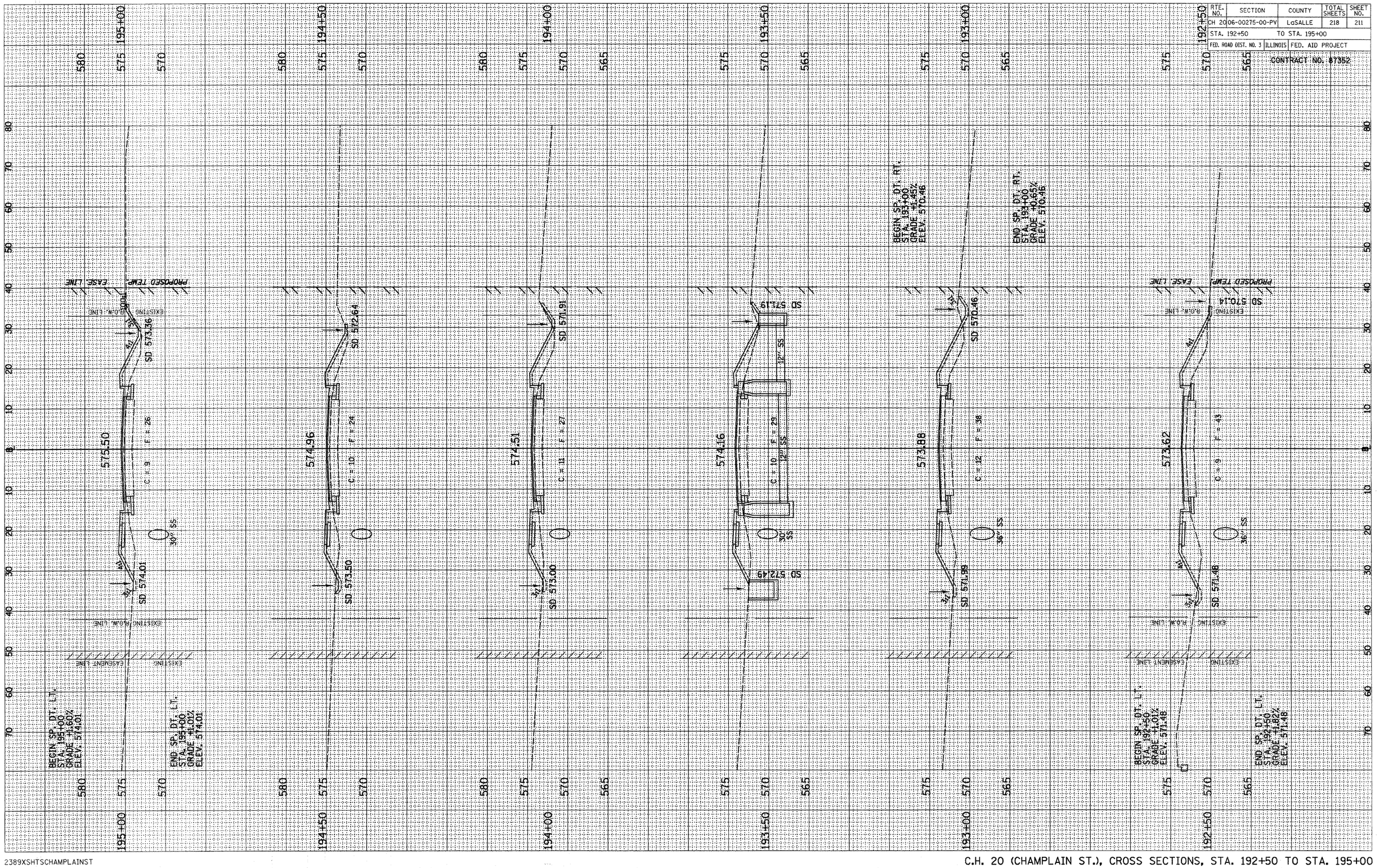


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 190+00 TO STA. 192+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	211
STA. 192+50	TO STA. 195+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

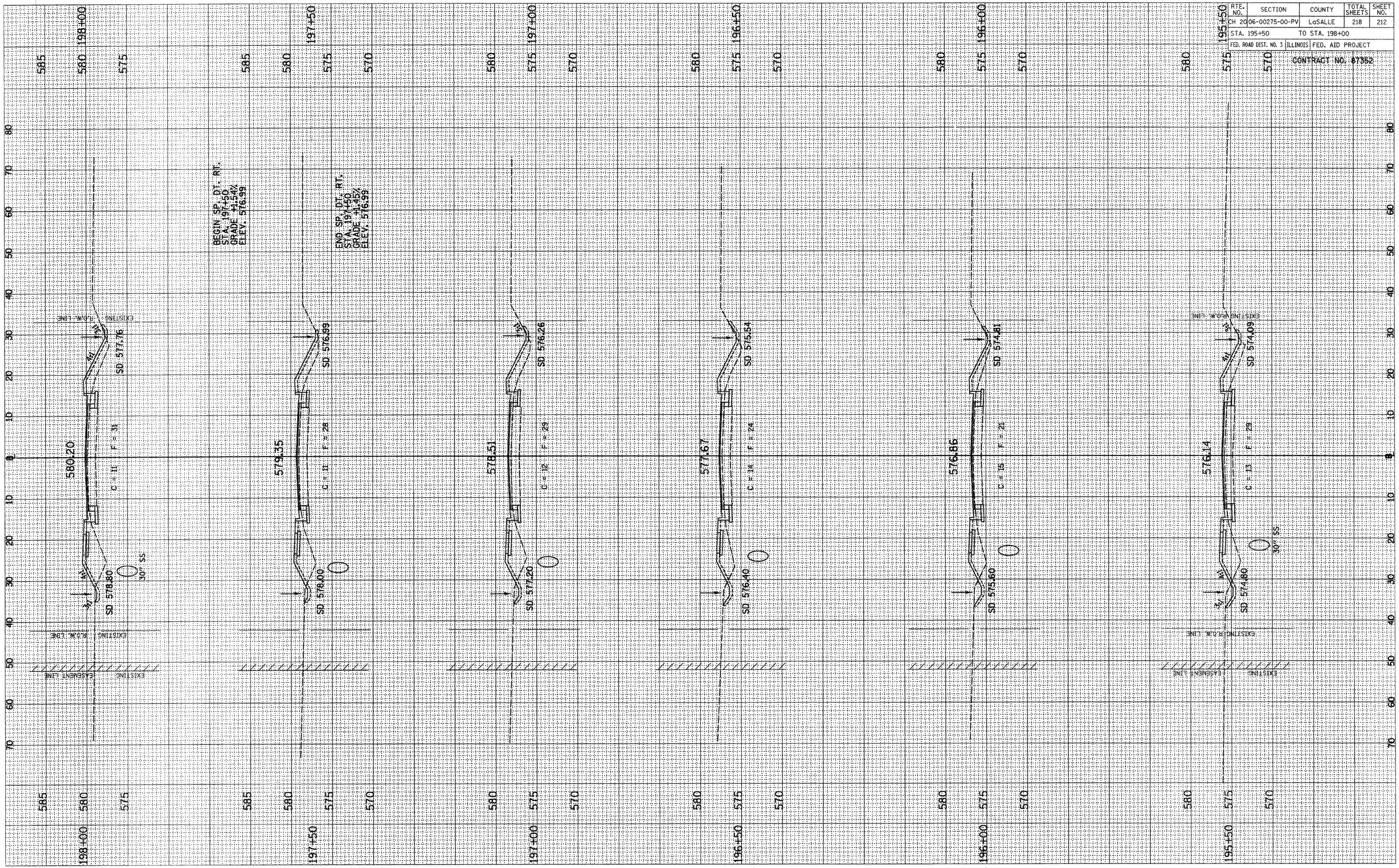


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 192+50 TO STA. 195+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	212
STA. 195+50		TO STA. 198+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352

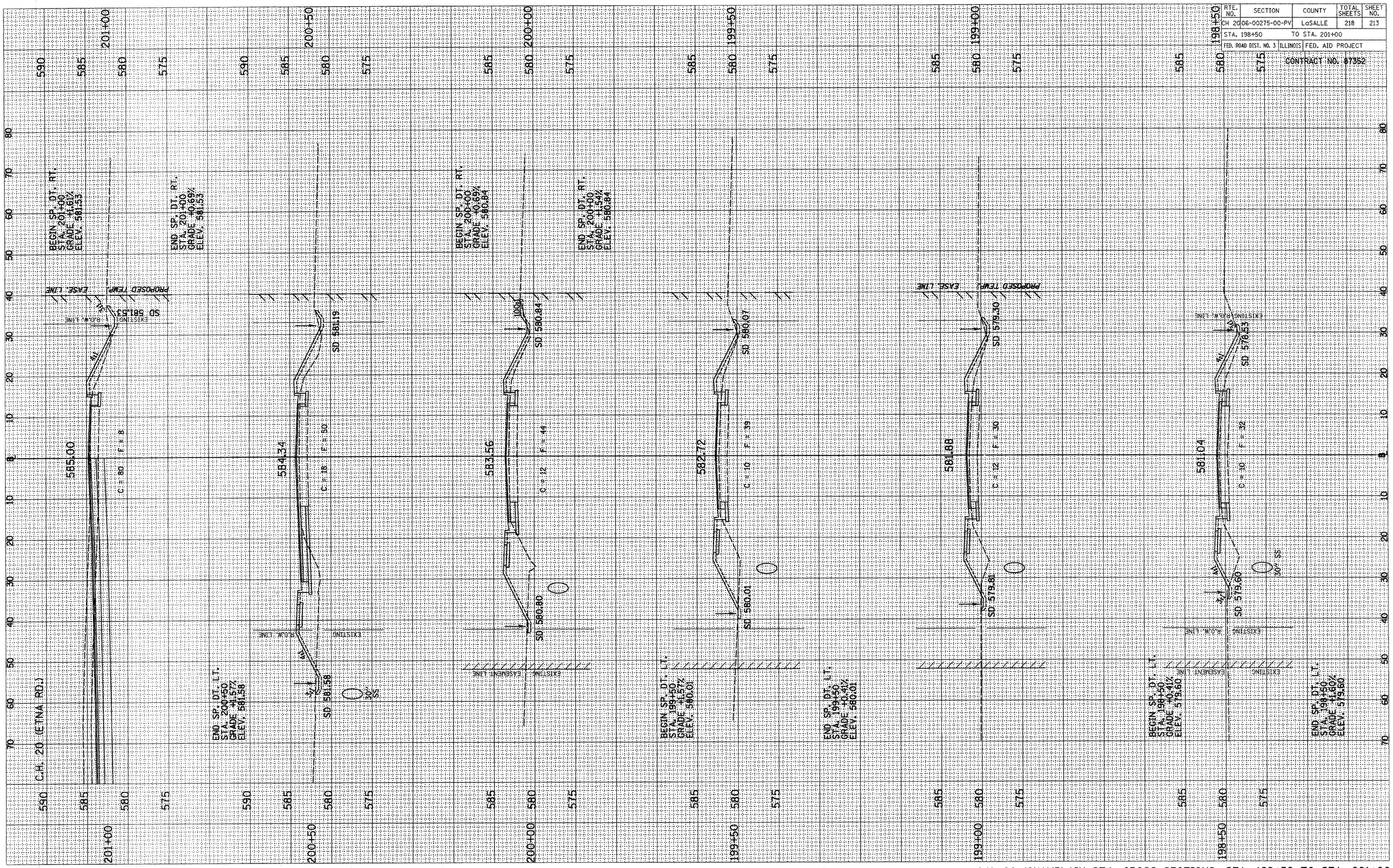


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 195+50 TO STA. 198+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	213
STA. 198+50	TO STA. 201+00			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 67352



2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 198+50 TO STA. 201+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	214
STA. 201+34.6	TO STA. 203+50			
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

IMPROVEMENT ENDS
C.H. 20 (CHAMPLAIN ST.)
STA. 203+25.00

END SP. DT. RT.
STA. 203+00
GRADE +2.90%
ELEV. 585.39

588.04

CUT (C) = 10 SQ. FT. FILL (F) = 24 SQ. FT.

SD 585.39

EXISTING R.O.W. LINE

PROPOSED TEMP. EASE. LINE

EXISTING R.O.W. LINE

FE. LT. (ENTRANCE RELOCATED FROM STA. 62+10.6 (C.H. 20 ETNA RD.))

END SP. DT. LT.
STA. 202+25
GRADE -1.00%
ELEV. 584.82

586.96

C = 16 F = 8

6.0%

SD 583.94

PROPOSED TEMP. EASE. LINE

BEGIN SP. DT. RT.
STA. 202+50
GRADE +2.90%
ELEV. 583.94

END SP. DT. RT.
STA. 202+50
GRADE +1.61%
ELEV. 583.94

586.14

C = 13 F = 27

SD 583.14

SD 584.57

PROPOSED TEMP. EASE. LINE

BEGIN SP. DT. LT.
STA. 201+50
GRADE +1.00%
ELEV. 584.07

585.56

C = 21 F = 14

SD 584.07

PROPOSED R.O.W. LINE

EASEMENT LINE

EXISTING R.O.W. LINE

585.40

5.8%

EXISTING R.O.W. LINE

PROPOSED TEMP. EASE. LINE

15" CMP TBR

2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 201+34.6 TO STA. 203+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	215
STA. 204+00, 204+50, 182+97.1 & 189+41.7				
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 67352				

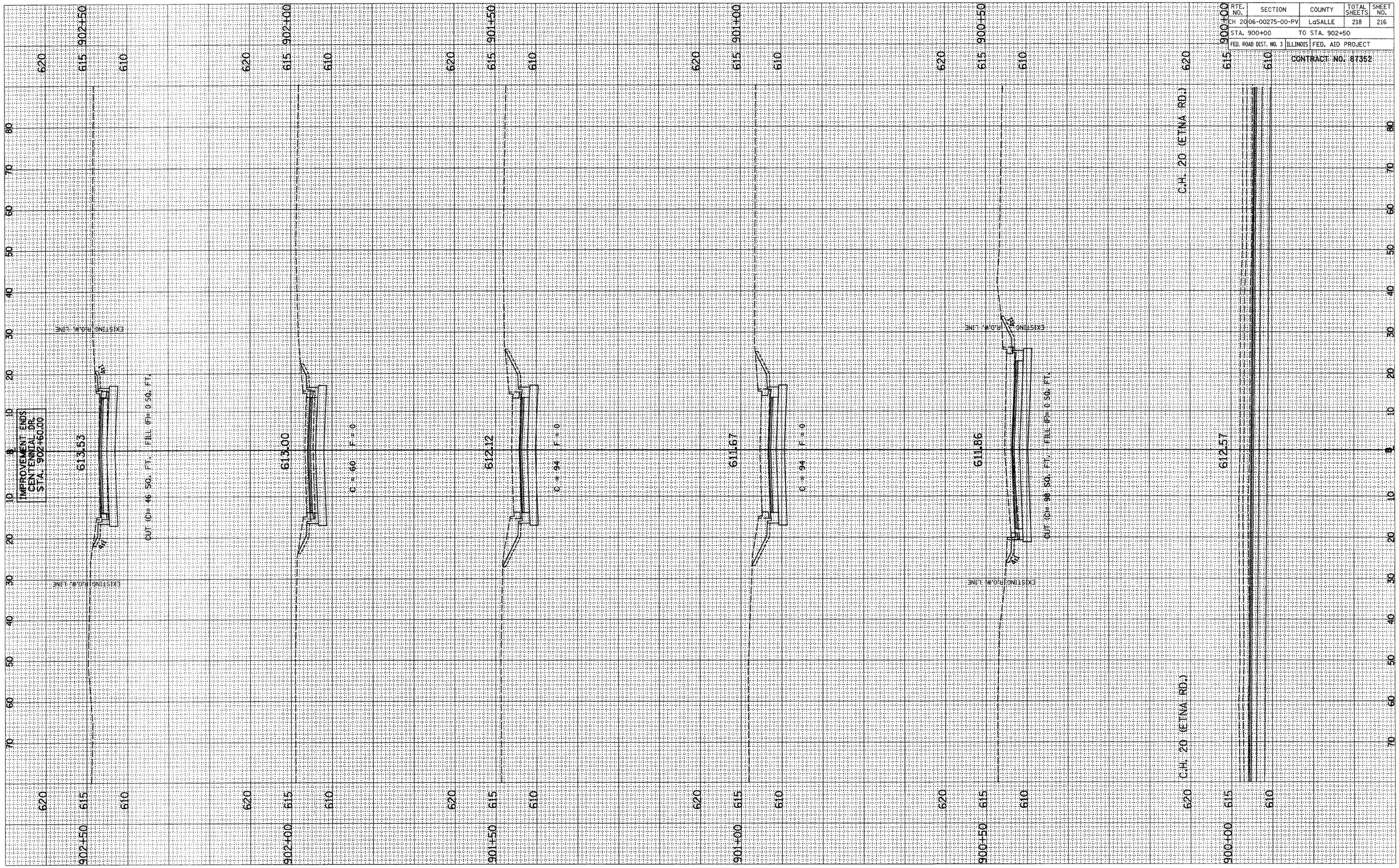


2389XSHTSCHAMPLAINST

C.H. 20 (CHAMPLAIN ST.), CROSS SECTIONS, STA. 204+00, STA. 204+50, STA. 182+97.1 & STA. 189+41.7

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 2006-00275-00-PV		LaSALLE	218	216
STA. 900+00		TO STA. 902+50		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

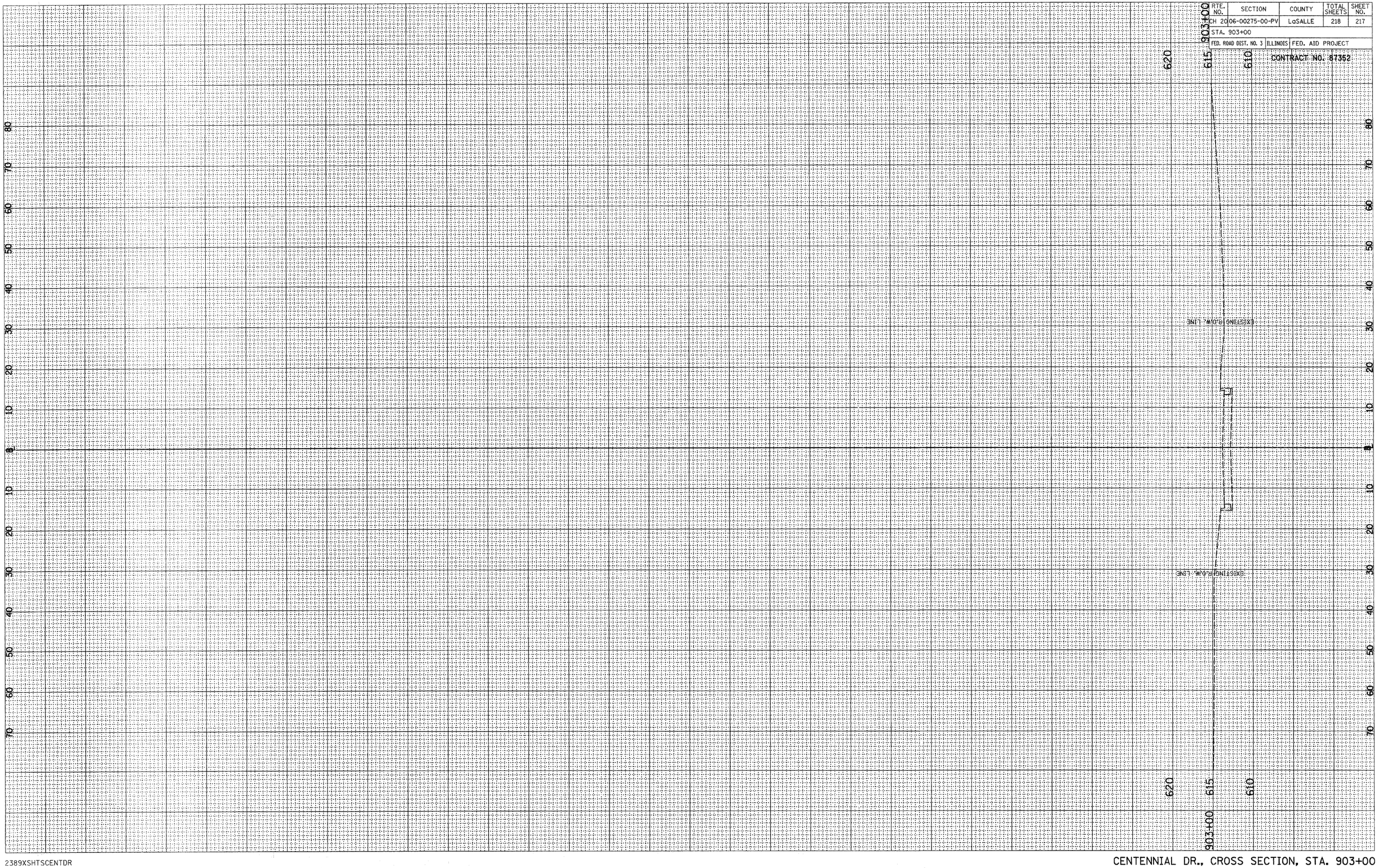


2389XSHTSCENTDR

CENTENNIAL DR., CROSS SECTIONS, STA. 900+00 TO STA. 902+50

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP RTE 2006	00275-00-PV	LaSALLE	218	217
STA. 903+00				
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352

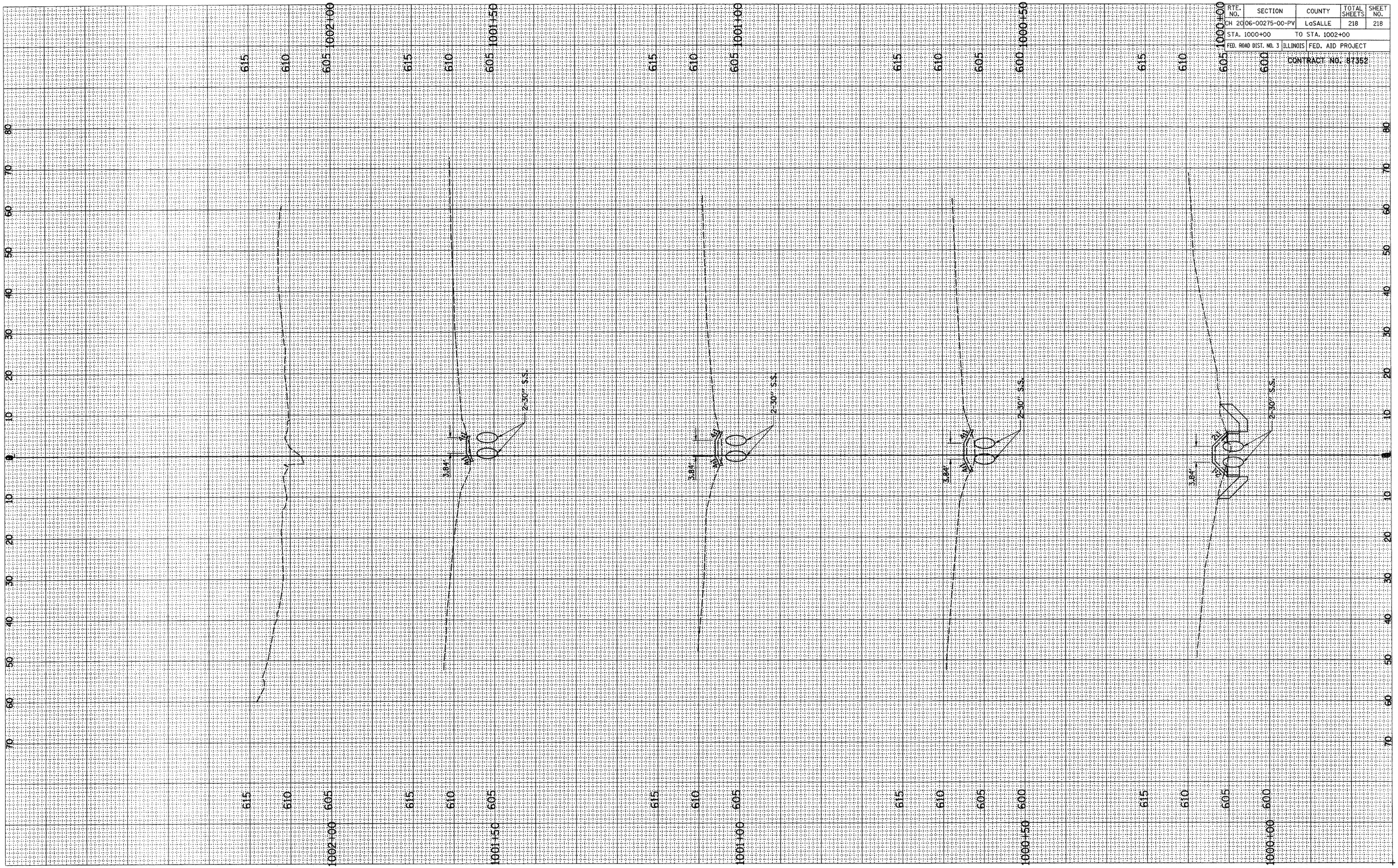


2389XSHTSCENTDR

CENTENNIAL DR., CROSS SECTION, STA. 903+00

RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 20	06-00275-00-PV	LaSALLE	218	218
STA. 1000+00		TO STA. 1002+00		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 87352



2389XSHTSDRAINEASE

DRAINAGE EASEMENT, CROSS SECTIONS, STA. 1000+00 TO STA. 1002+00