

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	1

CONTRACT #63125

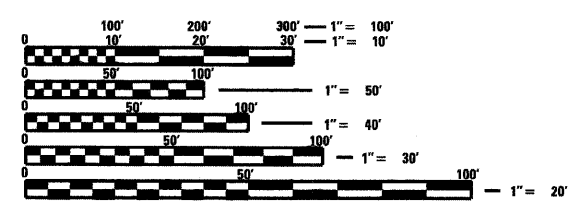
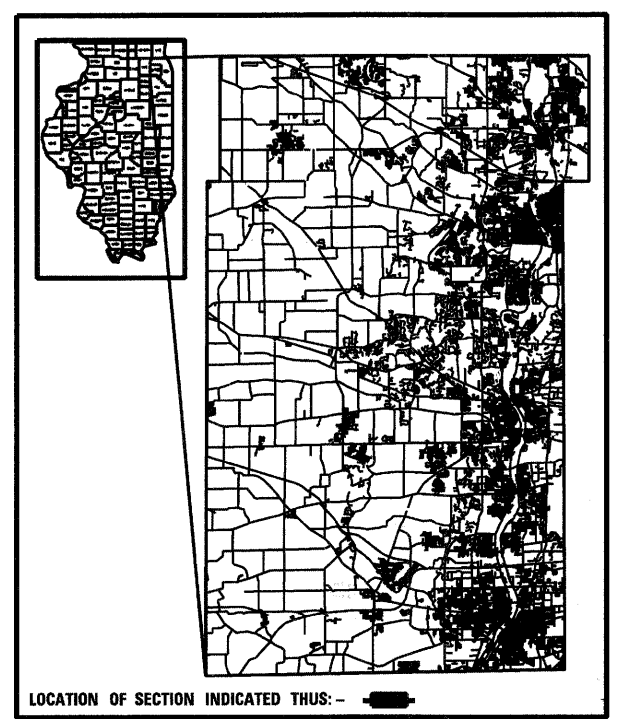
IMPROVEMENT LOCATED IN THE VILLAGE(S) OF SOUTH ELGIN.

FOR INDEX OF SHEETS & LIST OF STATE STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA:  
2006 ADT = 19800 VEHICLES  
POSTED SPEED LIMIT = 45 MPH

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID PROJECT

FAU ROUTE 2509 MCLEAN BOULEVARD BIKEPATH  
SECTION 08-00094-02-BT  
PROJECT CMM-9003(178)  
JOB NO.: C-91-213-09  
KANE COUNTY

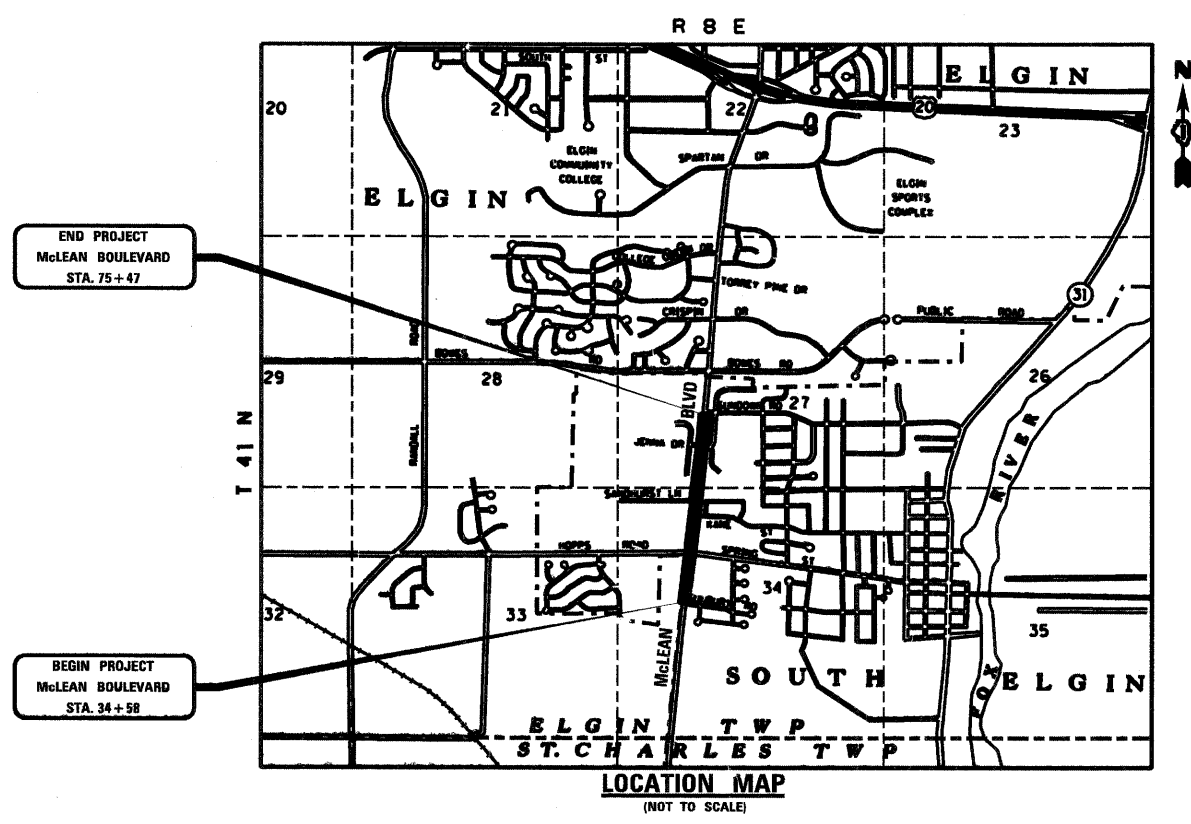


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



Call 48 hours before you dig  
(Excluding Sat., Sun. & Holidays)

CONTRACT #63125



NET LENGTH OF IMPROVEMENT = 4089 LINEAL FEET = 0.77 MILES  
GROSS LENGTH OF IMPROVEMENT = 4089 LINEAL FEET = 0.77 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED AUGUST 19 20 09  
*Carl And* COUNTY ENGINEER

PASSED SEPTEMBER 1 20 09  
*CTE* DISTRICT 1 ENGINEERING OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW SEPTEMBER 1 20 09  
*Diana M. O'Keefe* DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FIELD ENGINEER: MARILYN SOLOMON 847-705-4407

INDEX OF SHEETS	
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-6	BIKEPATH PLAN
7-10	SIGNAL MODIFICATIONS AND CABLE PLANS
11	CONSTRUCTION DETAILS
12	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
13	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
14-33	CROSS SECTIONS
	HIGHWAY STANDARDS

INDEX OF DISTRICT ONE DETAILS	
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

INDEX OF HIGHWAY STANDARDS	
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURBS RAMPS FOR SIDEWALK
602001-01	CATCH BASIN - TYPE A
604001-03	FRAME AND LIDS - TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-02	OFF ROAD OPERATIONS, MULTILANE, 15 FEET TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15 FEET AWAY FROM EDGE OF PAVEMENT
701602-04	URBAN LANE CLOSURE, MULTILANE, 2 WAY, WITH BIDIRECTIONAL LEFT TURN LANE
701801-04	LANE CLOSURE, MULTILANE, 1 WAY OR 2 WAY WITH CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2007; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS," FIFTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE COUNTY AND STATE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE COUNTY OR STATE WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OF CURVE, ETC., ARE TOP OF CURB, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE TO EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURES TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.G.S DATUM.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

SEWERS AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE COST OF INTERCONNECTIONS BETWEEN THE PROPOSED AND EXISTING SEWER SYSTEMS AND PROPOSED AND EXISTING WATER MAIN SYSTEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES OF THE PROPOSED SYSTEM.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE COUNTY OR STATE, AS APPLICABLE. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICK-UP BY THE COUNTY OR STATE OR DELIVERY TO THE COUNTY OR STATE MAINTENANCE YARD SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED, AS PART OF THIS CONTRACT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES 15/32 "STORM"; FOR SANITARY SEWER STRUCTURES 15/32 "SANITARY"; FOR WATER SYSTEM STRUCTURES 15/32 "WATER". ANY ADDITIONAL COST FOR THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE FRAME AND CLOSED LID PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

ALL STORM SEWERS SHALL BE RCCP, CLASS IV, UNLESS NOTED OTHERWISE ON THE PLAN.

BACKFILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACKFILL QUANTITIES FOR STORM AND SANITARY SEWER AND WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

MISCELLANEOUS

BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL " JULIE " AT 1-800-892-0123 FOR FIELD LOCATIONS OF UTILITIES.

THE CONTRACTOR SHALL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON COUNTY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE COUNTY.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING AREAS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE SEEDED. SEED LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

FERTILIZER NUTRIENTS:  
USE A FERTILIZER WITH AN ANALYSIS OF 1:1:1 RATIO AT THE FOLLOWING RATE PER ACRE:  
NITROGEN FERTILIZER NUTRIENT 90 LBS.  
PHOSPHORUS FERTILIZER NUTRIENT 90 LBS.  
POTASSIUM FERTILIZER NUTRIENT 90 LBS.

THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

SIGNING

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR, ENGINEER AND KANE CO. DOT MAINTENANCE PERSONNEL SHALL INVENTORY THE LOCATION, SIZE, TYPE AND CONDITION OF ALL EXISTING SIGNS. ANY SIGN DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL SIGNS SHALL BE ERECTED IN STRICT CONFORMANCE WITH SECTION 720 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND BY STATE PRE-QUALIFIED CONTRACTOR PERSONNEL, SUCH AS A SUB CONTRACTOR THAT SPECIALIZES IN TRAFFIC CONTROL AND SIGN PLACEMENT, TO INSURE THIS OPERATION IS PERFORMED CORRECTLY THERE WILL BE A WALKTHRU ON THE JOB WITH THE ENGINEER AND KANE CO. DOT MAINTENANCE PERSONNEL AS PART OF THE OVERALL PUNCH LIST.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

1. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.

2. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS DURING CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

3. ALL SIGNS SHALL BE INSTALLED OR RELOCATED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEM.

4. ALL REMOVED SIGNS WILL BE RETURNED TO THE COUNTY OR STATE, AS APPLICABLE.

5. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

SEDIMENTATION AND EROSION CONTROL NOTES

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL-STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

SOIL-EROSION AND SEDIMENT-CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDER DAYS OF THE END OF THE ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.

AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN 3H:1V SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.

EROSION-CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH-WATER LEVEL.

ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT-CONTROL MEASURE.

ALL TEMPORARY EROSION 13/32 AND SEDIMENT-CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

ALL TEMPORARY AND PERMANENT EROSION-CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED BY THE CONTRACTOR AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT-DISPOSAL AREA.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.

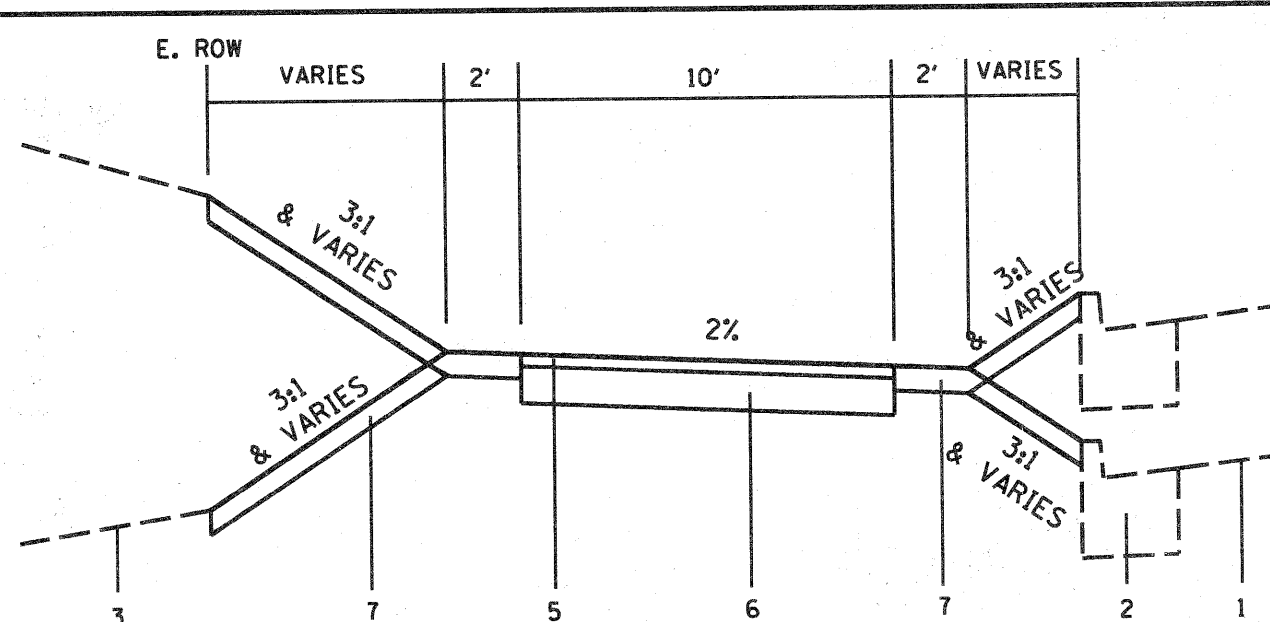
IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT-CONTROL MEASURE (e.g., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

THE EROSION-CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

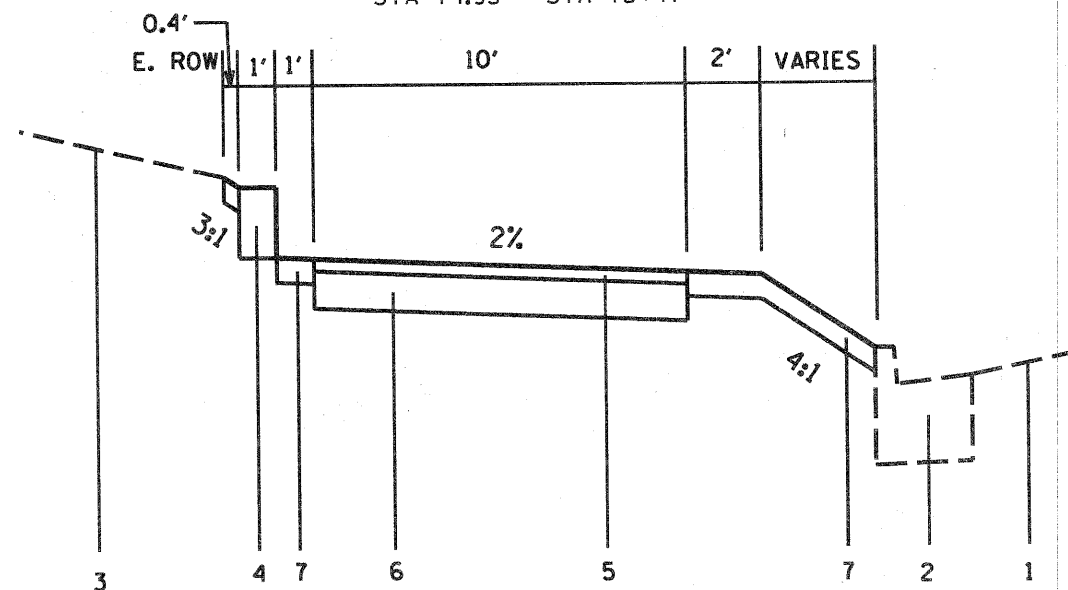
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FILE NAME * #FILE#		USER NAME * #USER#		DESIGNED - PSL		REVISED -		KANE COUNTY DIVISION OF TRANSPORTATION										INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS								F.A.U. RTE.	SECTION		COUNTY		TOTAL SHEETS		SHEET NO.																								
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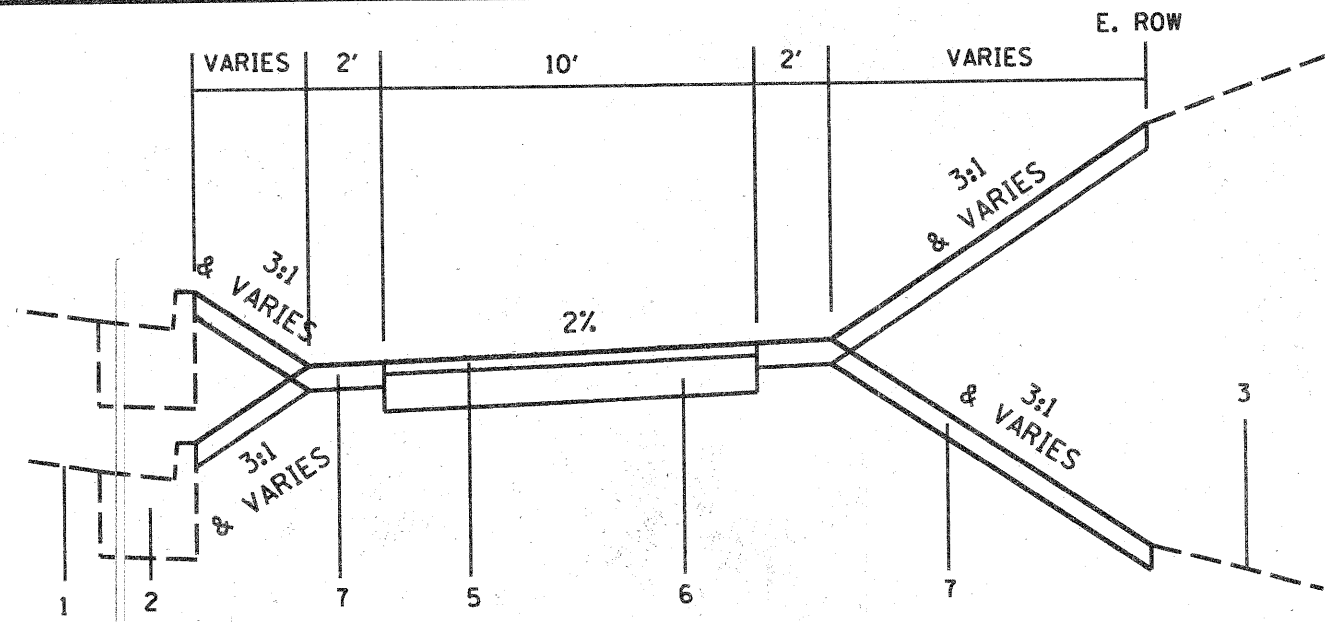




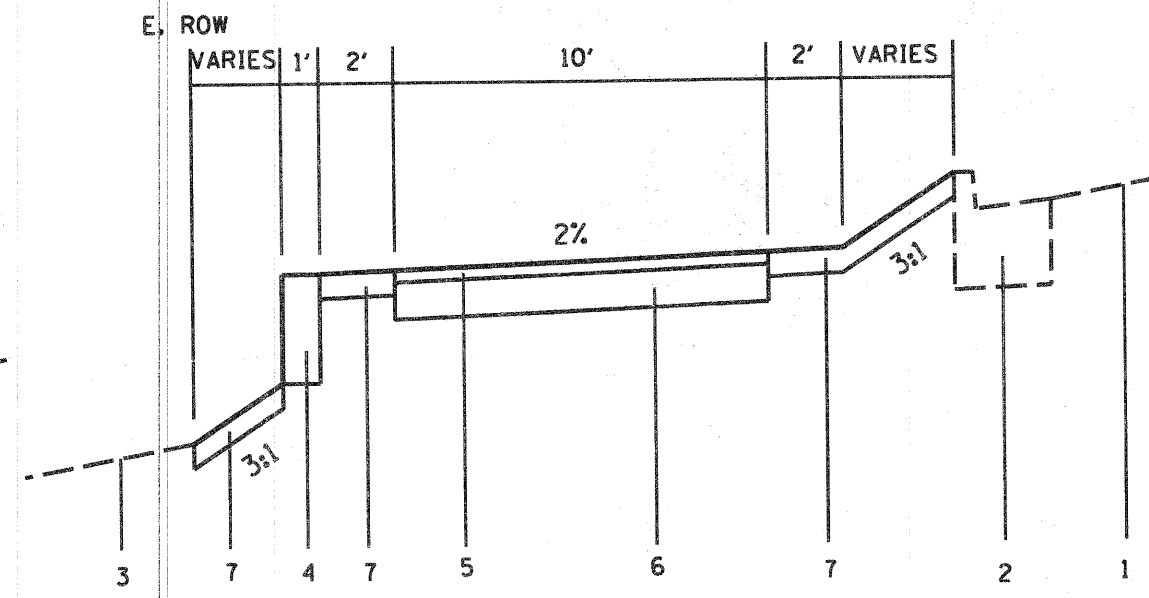
SPRING STREET - STA 50+70  
STA 52+95 - STA 61+05  
STA 69+25 - STA 7305  
STA 74.95 - STA 75+47



STA 61+05 - STA 68+20 (JENNA DRIVE)  
STA 69+00 - STA 69+25  
STA 73+05 - STA 74+95



STA 34+58 - SPRING STREE



STA 50+70 - STA 52+95

#### BENCHMARKS

BENCHMARK	ELEV.	DESCRIPTION
U.S.G.S. 710.37		SOUTHWEST SECTION OF N. ROUTE 31/MCLEAN BOULEVARD.
TBM 10	814.81	SPRUE IN 2ND POWER POLE SOUTH OF BONES ROAD ON EAST SIDE OF MCLEAN BOULEVARD.
TBM 11	818.25	FIRE HYDRANT NORTHWEST BOLT, CHECKED 2 AT SOUTHWEST SECTION OF BONES ROAD/MCLEAN BLVD.
TBM 12	827.57	FIRE HYDRANT NORTHEAST BOLT, CHECKED 2, NORTHEAST SECTION OF BONES ROAD/MCLEAN BOULEVARD.
TBM 13	829.54	FIRE HYDRANT NORTHEAST BOLT, CHECKED 2, BONES ROAD/MCLEAN BOULEVARD

#### HOT MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	MIXTURE TYPE	% AIR VOIDS	THICKNESS
BIKEPATH	HMA SURFACE COURSE, MIX "C", N50 (11 9.5 mm)	4% @ 50 CYR.	2"
REPLACEMENT OVER PATCH	HMA SURFACE COURSE, MIX "D", N70 (11 9.5 mm)	4% @ 70 CYR.	2"

THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN  
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

CONTRACT #63125

#### NOTES:

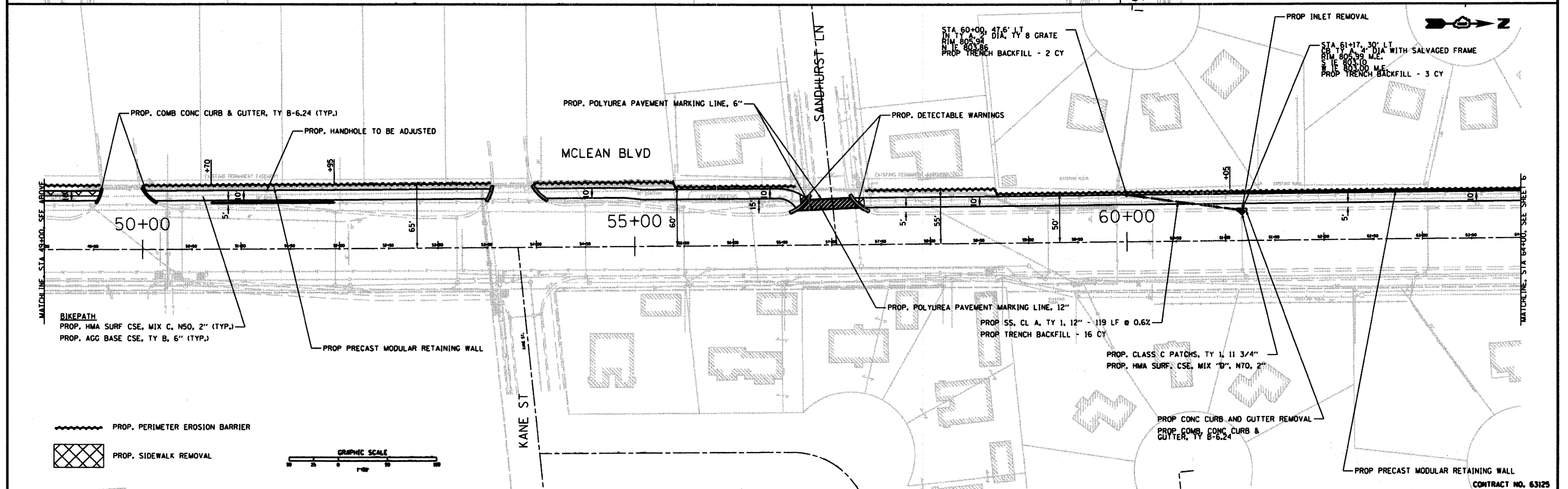
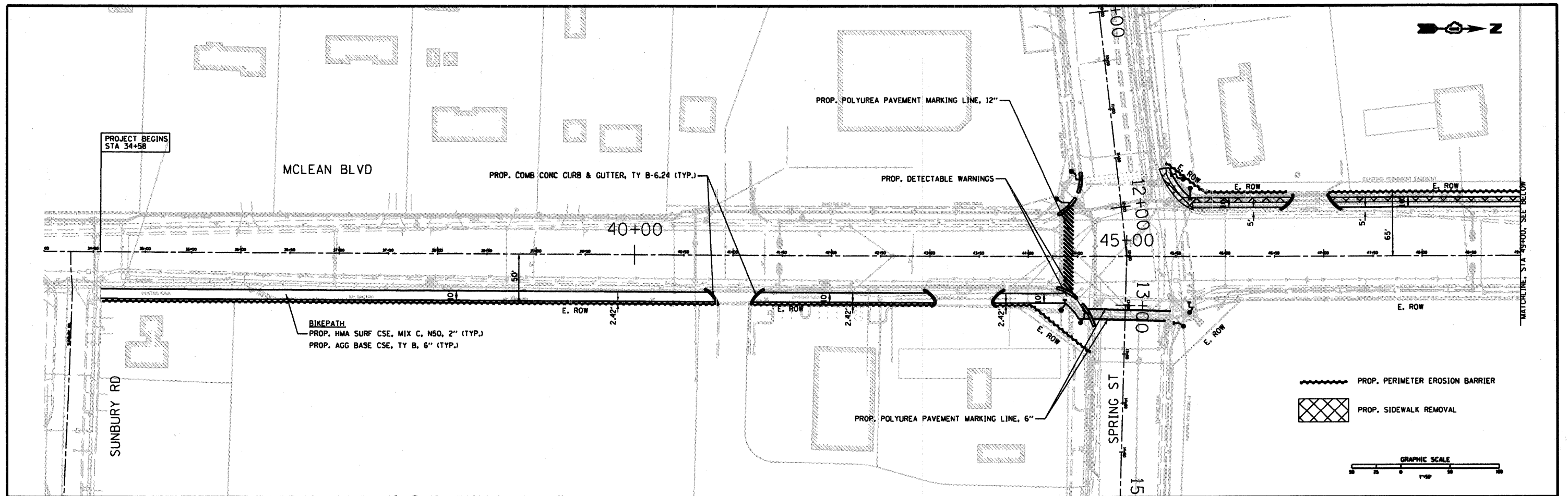
1. TYPICAL SECTIONS SHOWN FOR PAVEMENT COMPOSITION ONLY.
2. ALL SIDE SLOPES AND GRADES ARE TO BE PER THE CROSS SECTIONS. SIDE SLOPE CONDITIONS SHOWN IN THE TYPICAL SECTIONS ARE GENERIC AND NOT TYPICAL.

#### LEGEND

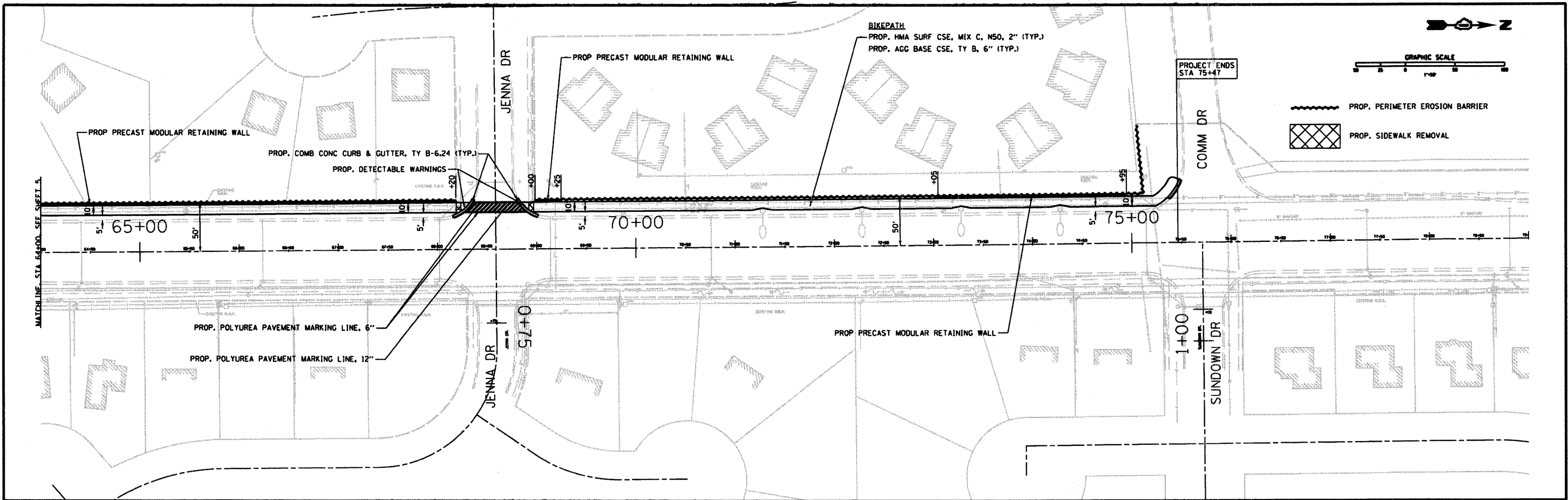
- 1 EXISTING PCC PAVEMENT
- 2 EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- 3 EXISTING GROUND LINE
- 4 PROPOSED PRECAST MODULAR RETAINING WALL, HEIGHT VARIES
- 5 PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- 6 PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- 7 PROPOSED TOPSOIL, FURNISH AND PLACE, 4"

FILE NAME =	USER NAME = BUSERB	DESIGNED - PSL	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	MCLEAN BIKEPATH TYPICAL SECTIONS	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE#		DRAWN - PSL	REVISED -						08-00094-02-BT	KANE	33	4
		CHECKED - PH	REVISED -									
		DATE - 10/31/08	REVISED -									





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		CHECKED - PH	REVISED -									
		DATE - 10/31/08	REVISED -									
				SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		STA. 34+58 TO STA. 64+00		



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FILE NAME * #FILE#	USER NAME * #USER##	DESIGNED - PSL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MCLEAN BIKEPATH PLANS					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * 1"=50'	DRAWN - PSL	REVISED -							2509	08-00094-02-BT	KANE	33	6
	PLOT DATE * ##DATE##	CHECKED - PH	REVISED -		STA. 64+00 TO STA. 75+47									
	DATE - 10/31/08	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.					

CONTROLLER

SERVICE INSTALLATION

SIGNAL HEAD

SIGNAL HEAD WITH BACKPLATE

SIGNAL HEAD, PEDESTRIAN

SIGNAL POST

MAST ARM ASSEMBLY AND POLE, STEEL

HANDHOLE

HEAVY DUTY HANDHOLE

DOUBLE HANDHOLE

G.S. CONDUIT IN TRENCH OR PUSHED

PEDESTRIAN PUSHBUTTON DETECTOR

**EXISTING**

**PROPOSED**

DETECTOR LOOP

CONCRETE JUNCTION BOX

CAST IRON JUNCTION BOX

COMMON TRENCH

MAST ARM ASSEMBLY AND POLE. ALUMINUM

EMERGENCY VEHICLE SYSTEM DETECTOR

SIGNAL HEAD OPTICALLY PROGRAMMED

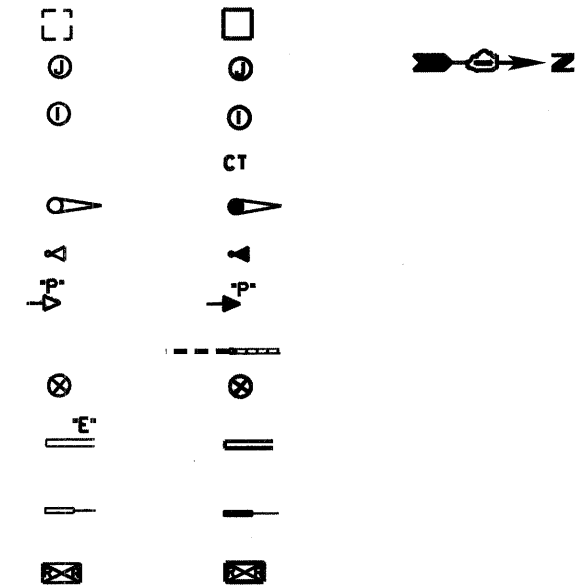
CONDUIT SPLICE

WOOD POLE

RACEWAY FOR MAGNETIC DETECTOR. TYPE I  
OR TYPE II

VEHICLE DETECTOR. NON-COMPENSATED  
MAGNETIC TYPE

RAILROAD CONTROL CABINET



MCLEAN BLVD

Plan view of the bridge deck showing stationing from 42+50 to 47+00. The deck is 12m wide at station 44+50. A 10m wide section is marked on the right side.

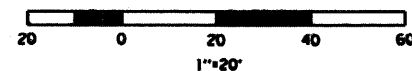
REMOVE EXISTING PEDESTRIAN SIGNAL HEAD

### SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	613
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	613
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
88102717	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
89502200	MODIFY EXISTING CONTROLLER	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
X0325890	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4

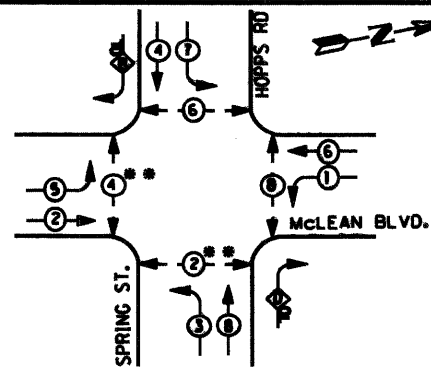
**CONTRACT NO. 63125**

GRAPHIC SCALE



SPRING STREET

FILE NAME =	USER NAME = #USER#	DESIGNED - PH	REVISED -	<div style="text-align: center;"> <b>KANE COUNTY</b>  <b>DIVISION OF TRANSPORTATION</b> </div>	<div style="text-align: center;"> <b>McLEAN BLVD / SPRING STREET</b>  <b>SIGNAL MODIFICATIONS</b> </div>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - PSL	REVISED -						2509	08-00094-02-BT	KANE	33	7
	PLOT SCALE = #SCALE#	CHECKED - PH	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.				
	PLOT DATE = #DATE#	DATE - 11/24/08	REVISED -					STA.	TO STA.				



# LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP

\* NUMBER REFERS TO ASSOCIATED PHASE  
 \*\* DENOTES NEW PHASES

## PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5
D	8	1

## CABLE PLAN LEGEND

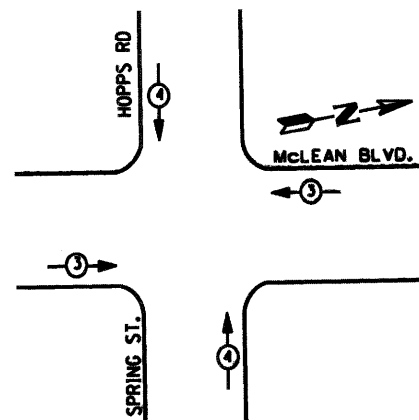
### EXISTING PROPOSED

- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- VIDEO CAMERA ASSEMBLY

### EXISTING PROPOSED

- SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN, L.E.D. "NO LEFT TURN"
- ILLUMINATED SIGN, L.E.D. "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
- GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F

## EMERGENCY VEHICLE PREEMPTION SEQUENCE

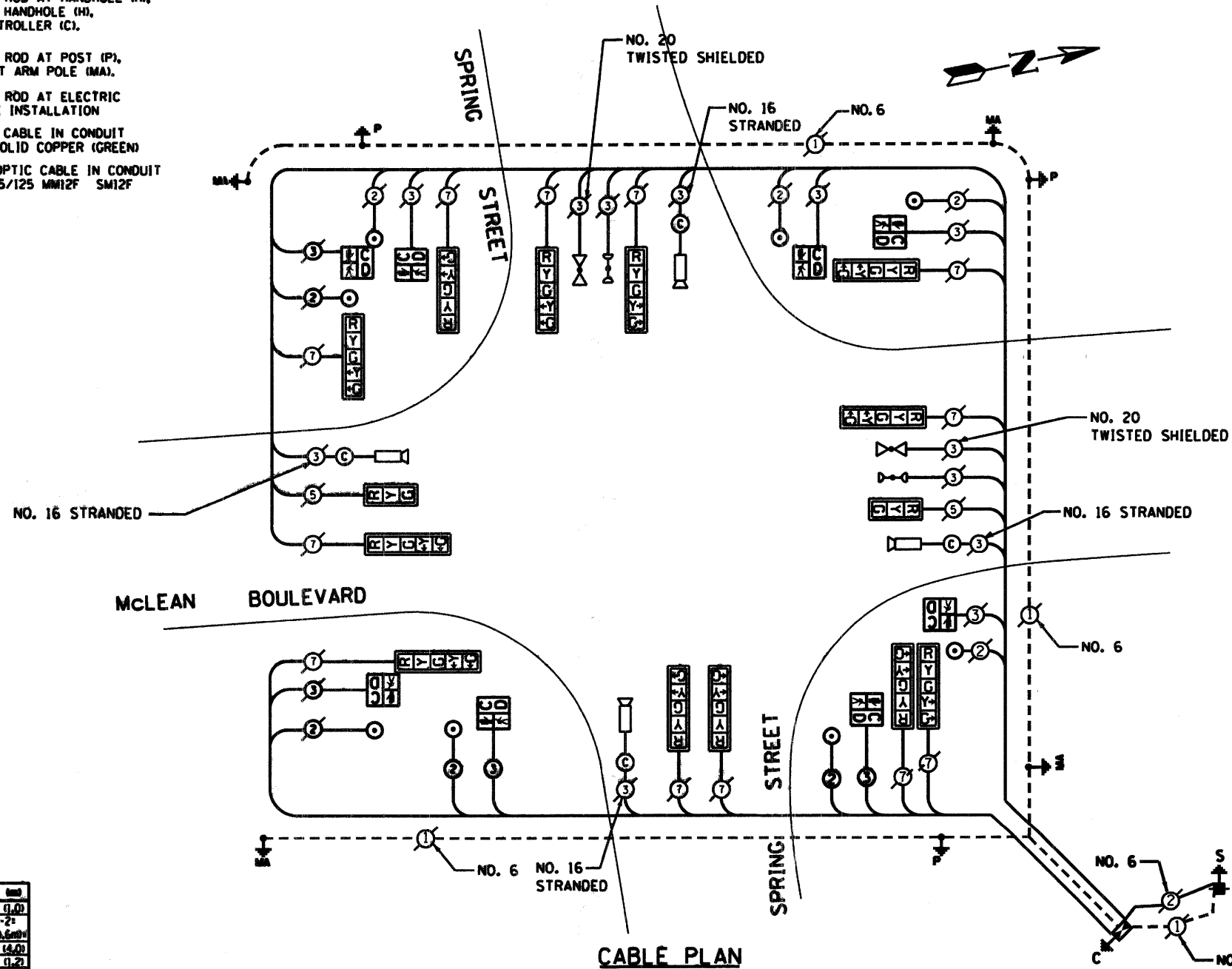


PROPOSED EMERGENCY VEHICLE PREEMPTIONS	
EMERGENCY VEHICLE PREEMPTION	MOVEMENT
3	4
←	↑

### NOTE:

EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

FOUNDATION (DEPTH)	FT. AND	CABLE SLACK	FT. AND	VERTICAL	FT. AND
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-4'-2"
E - M. ARM POLE	15 (4.6)	SIGNAL POST	2 (0.6)	PERM. 0.6mm	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)



## CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCANDESCENT)	OPERATION		
SIGNAL (RED)	14	175	17	0.50	119.00
(YELLOW)	14	175	25	0.25	87.50
(GREEN)	14	175	15	0.25	52.50
ARROW	24	175	12	0.10	28.80
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	1	82		0.05	
FLASHER				0.50	
TOTAL =					597.80

ENERGY COSTS TO: KANE COUNTY DEPARTMENT OF TRANSPORTATION  
 41001 Burlington Road  
 St. Charles, IL 60175  
 ENERGY SUPPLY CONTACT: MIKE LYNCH  
 PHONE: (847) 816-5331  
 COMPANY: COM. EDISON

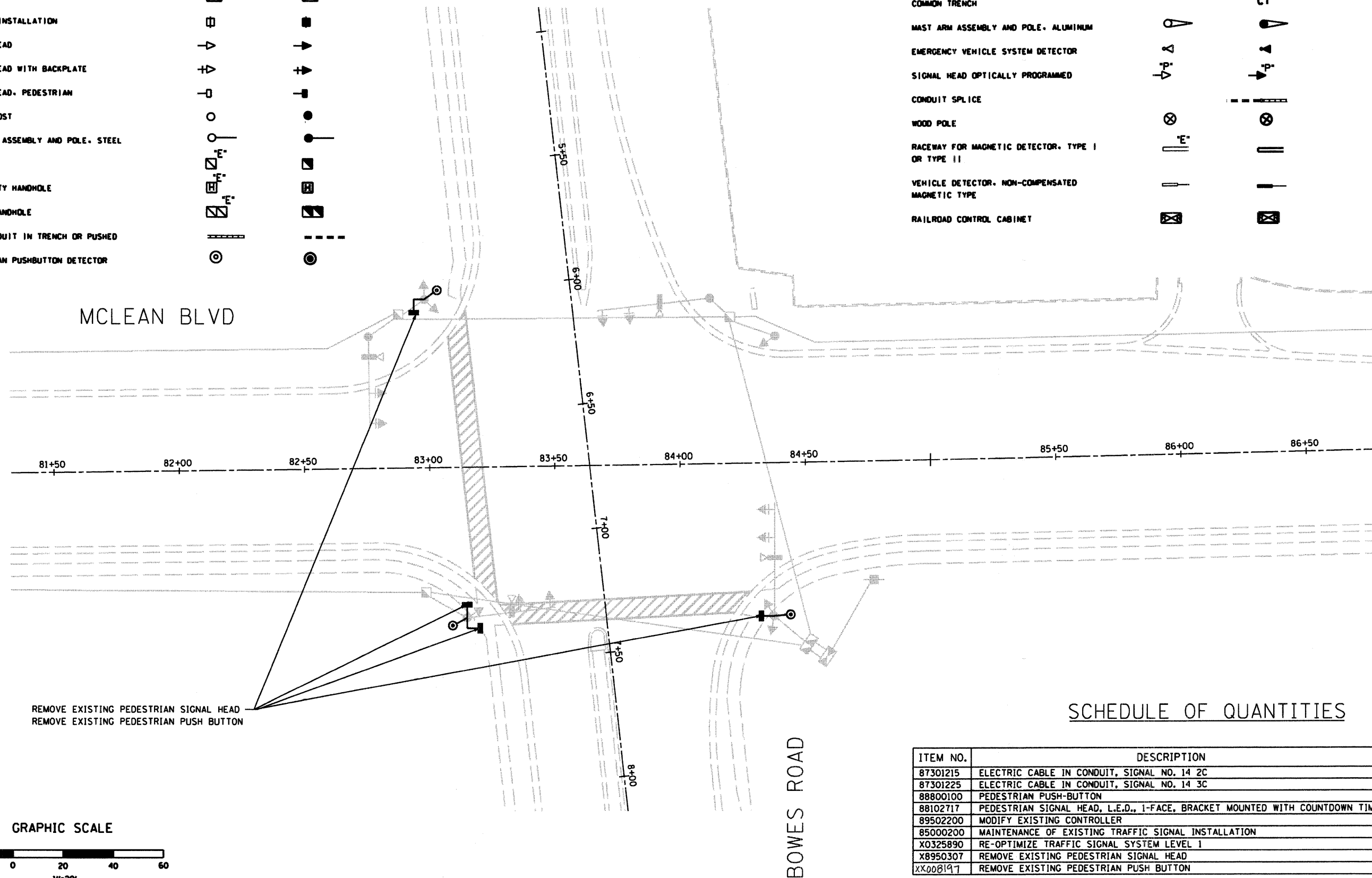
KANE COUNTY  
 DIVISION OF TRANSPORTATION

McLEAN BLVD / SPRING STREET  
 CABLE PLAN

FILE NAME	USER NAME	DESIGNED	REVIS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL8	USER8	PS	PS	08-00094-02-01	KANE	33	8
FILEL8	USER8	PS	PS	STA. TO STA.			

CONTRACT NO. 63125

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		



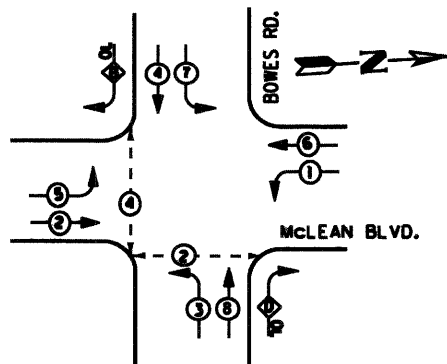
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
8730I215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	0
8730I225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	0
88800I00	PEDESTRIAN PUSH-BUTTON	EACH	3
88I02717	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	0
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
X0325890	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	0
X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4
xx008I97	REMOVE EXISTING PEDESTRIAN PUSH BUTTON	EACH	3

BOWES ROAD

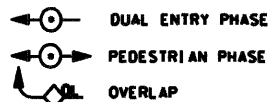
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# CONTROLLER SEQUENCE



## LEGEND



• NUMBER REFERS TO ASSOCIATED PHASE

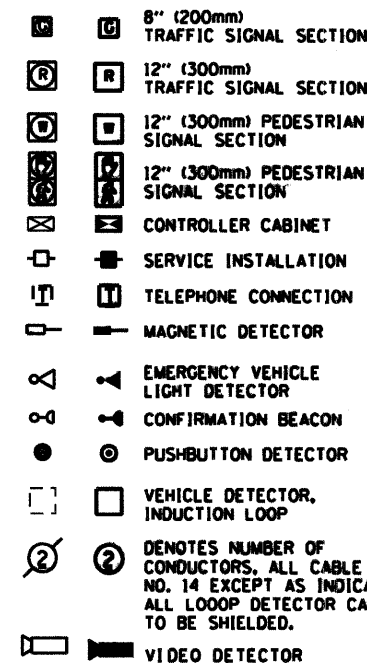
## PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5
D	8	1

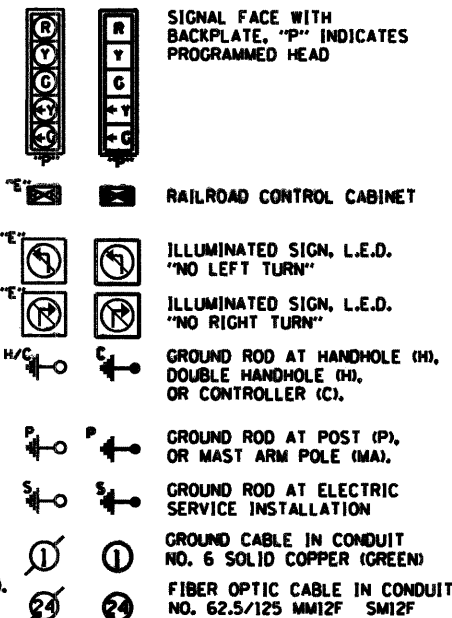
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASE 4+2

# CABLE PLAN LEGEND

EXISTING PROPOSED



EXISTING PROPOSED



SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD

RAILROAD CONTROL CABINET

ILLUMINATED SIGN, L.E.D. "NO LEFT TURN"

ILLUMINATED SIGN, L.E.D. "NO RIGHT TURN"

GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).

GROUND ROD AT POST (P), OR MAST ARM POLE (MA).

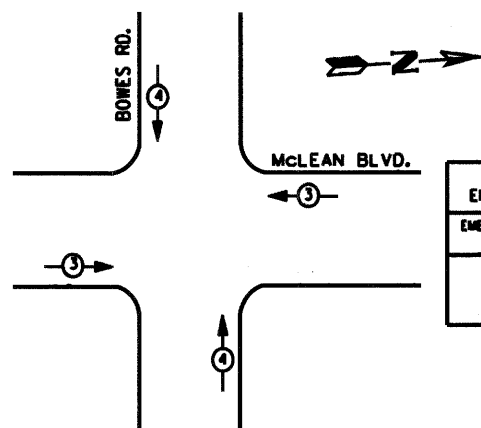
GROUND ROD AT ELECTRIC SERVICE INSTALLATION

GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)

FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F

VIDEO DETECTOR

# EMERGENCY VEHICLE PREEMPTION SEQUENCE



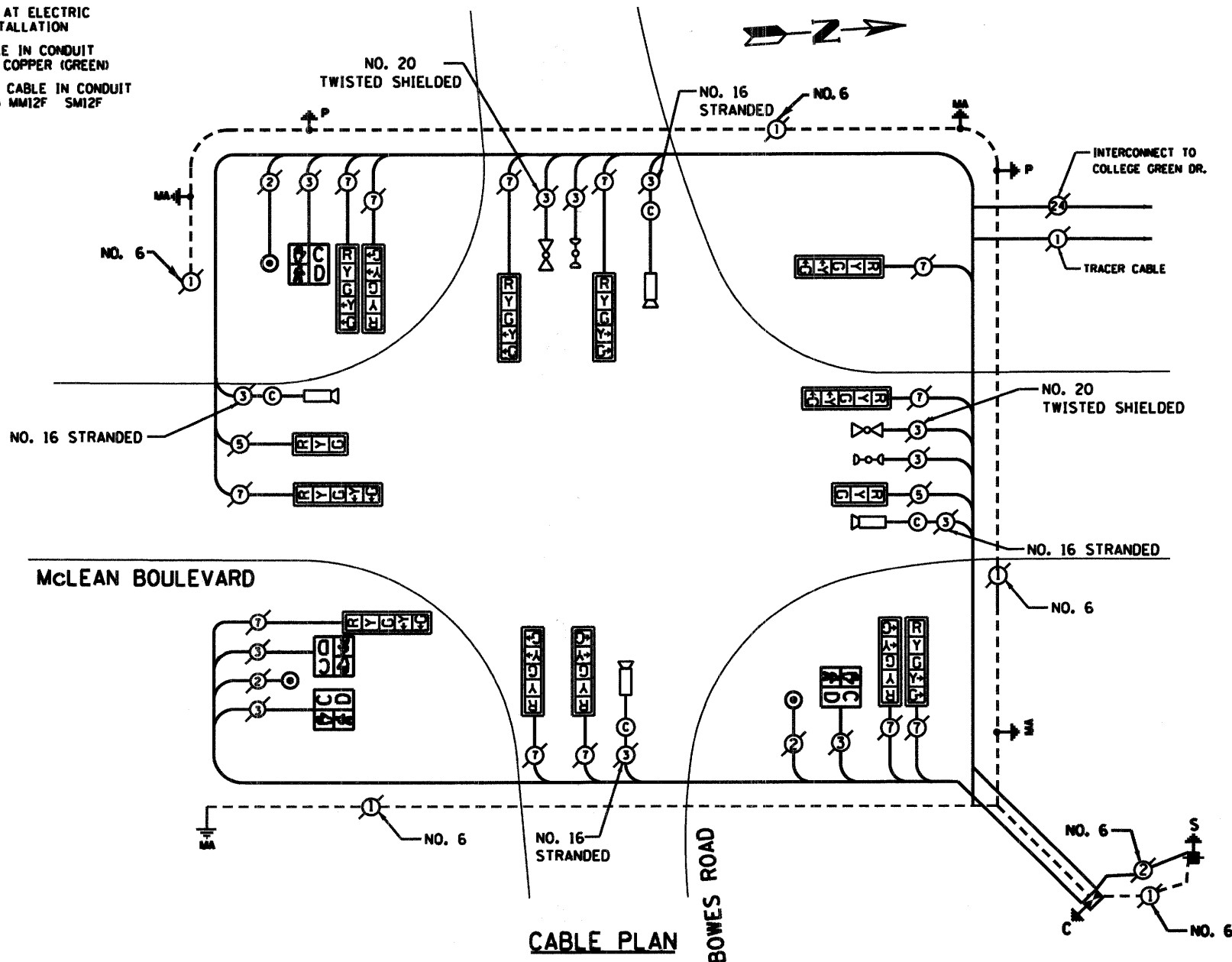
PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	MOVEMENT
3	←
4	→

## NOTE:

EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

FOUNDATION (DEPTH)	FT. (mm)	CABLE SLACK	FT. (mm)	VERTICAL	FT. (mm)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' x 1-2"
E - M. ARM POLE	2 (0.6)	SIGNAL POST	2 (0.6)	20' x 1-2"	20' x 1-2"
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

## McLEAN BOULEVARD



## CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCANDESCENT)	WATTAGE (LED)	OPERATION	
SIGNAL (RED)	14	175	17	0.50	118.00
SIGNAL (YELLOW)	14	175	25	0.25	87.50
SIGNAL (GREEN)	14	175	15	0.25	52.50
ARROW	24	175	12	0.10	28.80
PED. SIGNAL	4	90	25	1.00	100.00
CONTROLLER	100	100	1.00	100.00	
ILLUM. SIGN	84	84	0.05		
FLASHER				0.50	
TOTAL =					487.8

ENERGY COSTS TO: KANE COUNTY DEPARTMENT OF TRANSPORTATION  
41001 Burlington Road  
St. Charles, IL 60155  
CONTACT: MIKE LYNCH  
PHONE: (847) 816-5331  
COMPANY: COM. EDISON

FILE NAME	USER NAME	DESIGNED	REVISED
FILE#	USER#	PSL	---
PLOT SCALE	SCALE#	CHECKED	REVISED
PLOT DATE	DATE#	DATE	REVISED

DESIGNED	REVISED
PSL	---
CHECKED	REVISED
PSL	---
DATE	REVISED
11/22/08	---

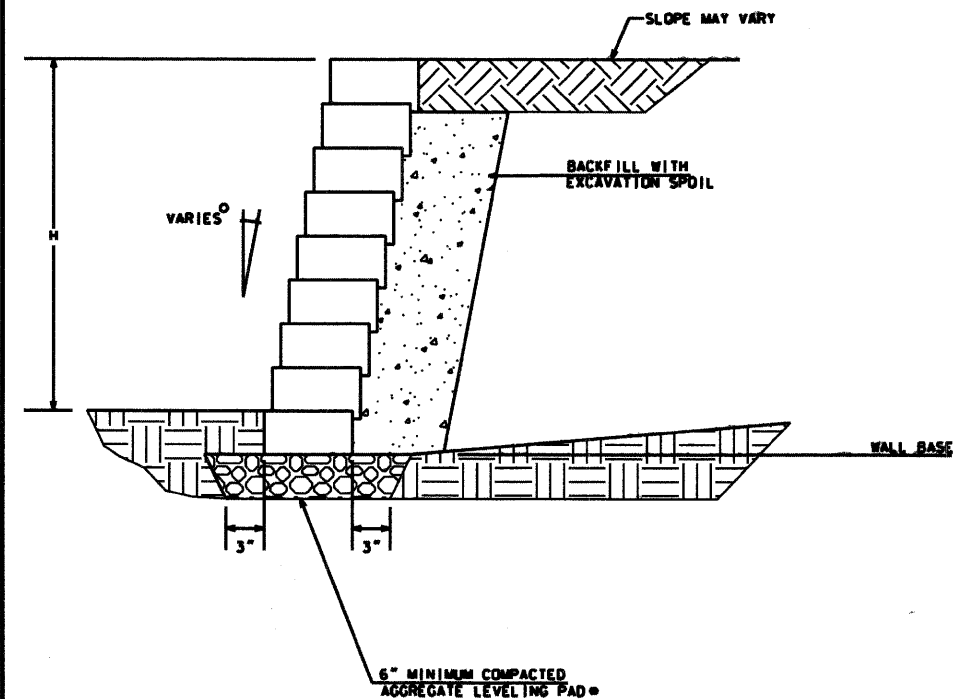
KANE COUNTY  
DIVISION OF TRANSPORTATION

McLEAN BLVD / BOWES ROAD  
CABLE PLAN

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

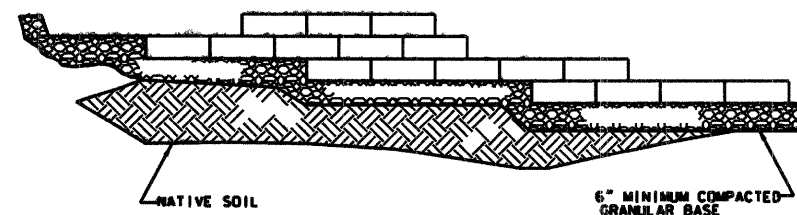
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00099-02-01	KANE	33	10
STA. TO STA.				

CONTRACT NO. 63125

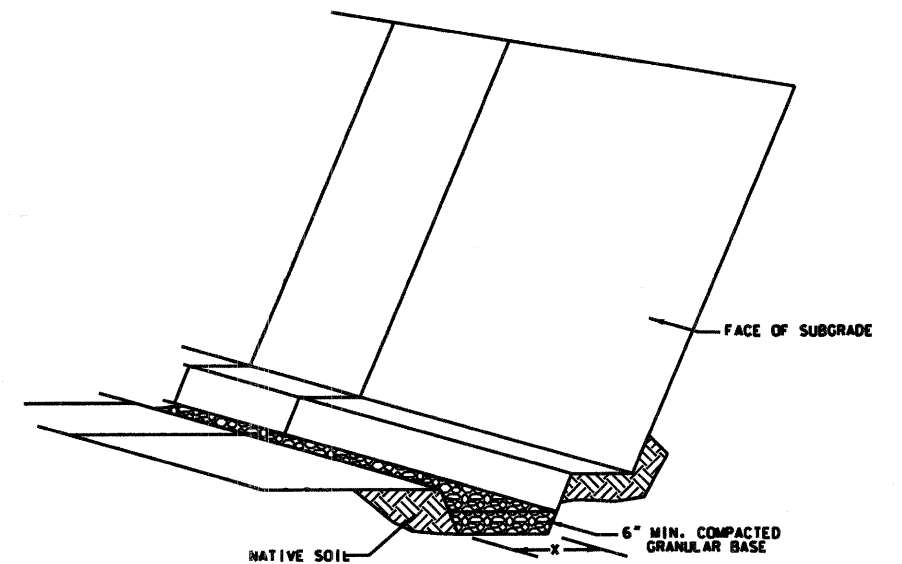


LANDSCAPE BLOCK RETAINING WALL  
TYPICAL SECTION

• INCLUDED IN THE COST OF MODULAR BLOCK RETAINING WALL



TYPICAL STEP DETAIL



NOTE: X IS DEPENDENT ON LANDSCAPE BLOCK PRODUCT USED.

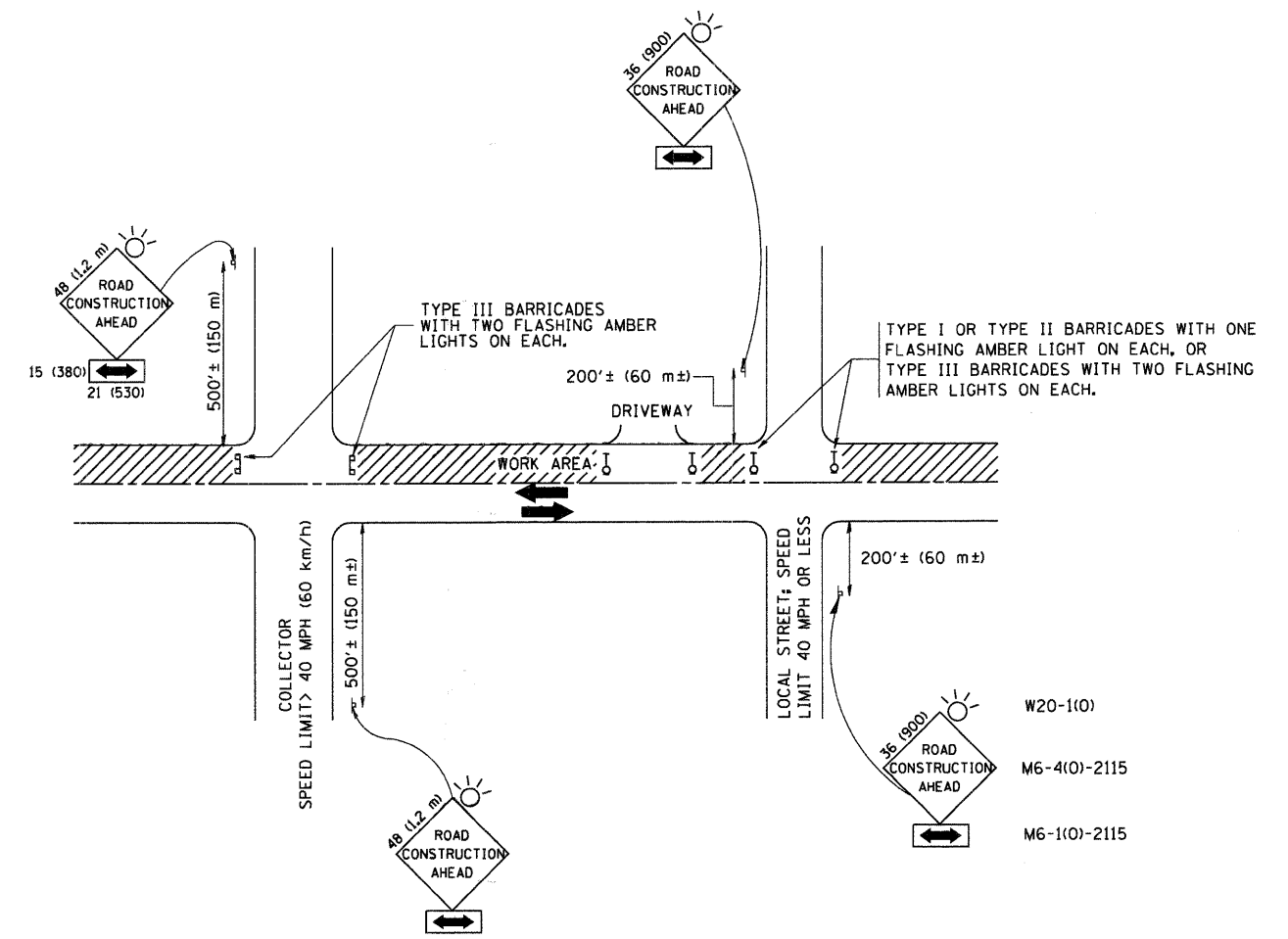
TYPICAL BASE PREPARATION

NOTES:

1. DETAILS ARE NOT DRAWN TO SCALE.

CONTRACT NO. 63125

FILE NAME • #FILE#	USER NAME • #USER#	DESIGNED - PSL		REVISED -		KANE COUNTY DIVISION OF TRANSPORTATION	MCLEAN BIKEPATH CONSTRUCTION DETAILS		F.A.U. RTE. 2509	SECTION 08-00094-02-BT	COUNTY KANE	TOTAL SHEETS 33	SHEET NO. 11
		DRAWN - PSL	CHECKED - PH	REVISOR -	REVISION -		SCALE:	SHEET NO. OF SHEETS					
		DATE - 10/31/08						STA. TO STA.					



## TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

### NOTES:

#### A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

#### B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

#### C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

#### D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = geglennob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\to10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		PLOT SCALE = 50.000' / IN.	REVISED - A. HOUSEH 10-15-96
		PLOT DATE = 1/4/2008	REVISED - T. RAMMACHER 01-06-00

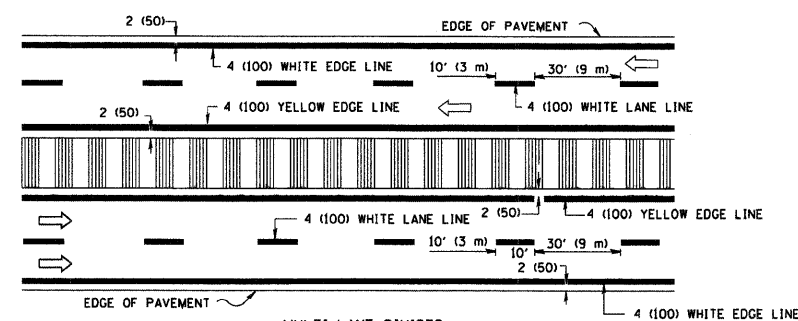
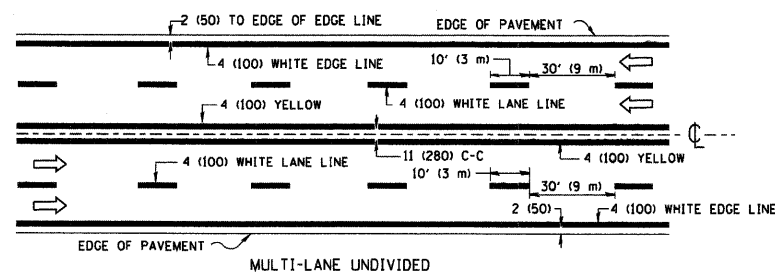
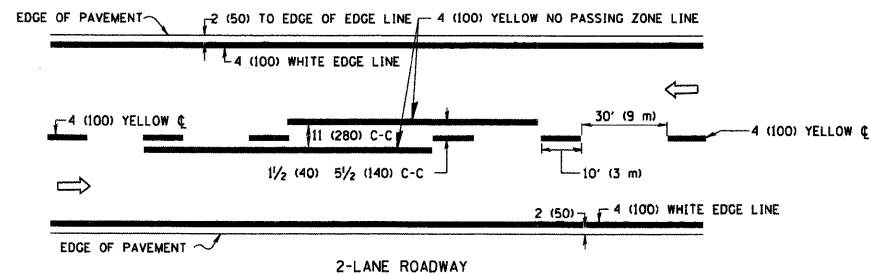
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE

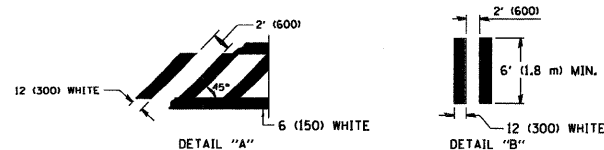
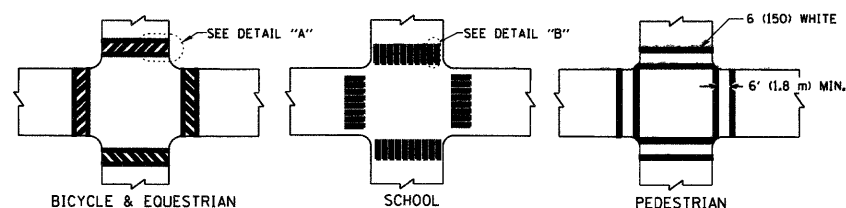
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	12
	TC-10			
	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		

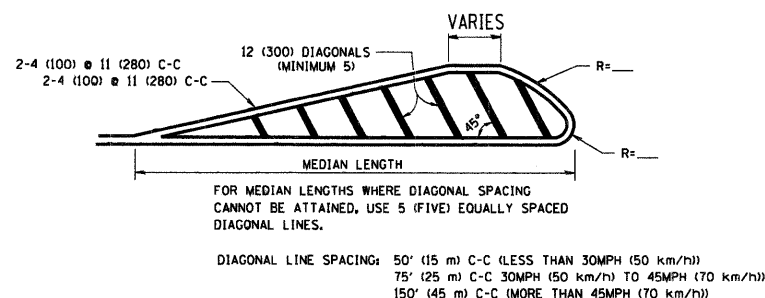
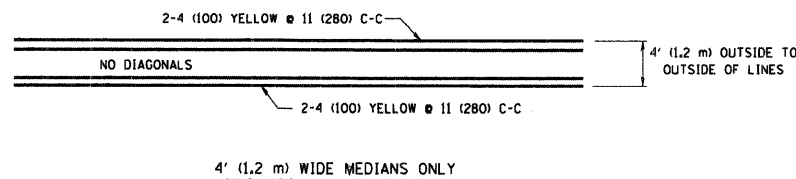


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

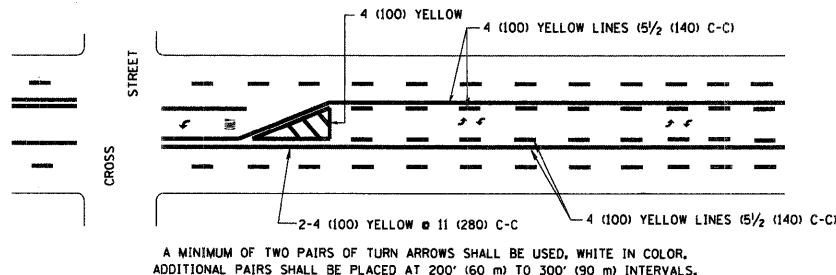
### TYPICAL LANE AND EDGE LINE MARKING



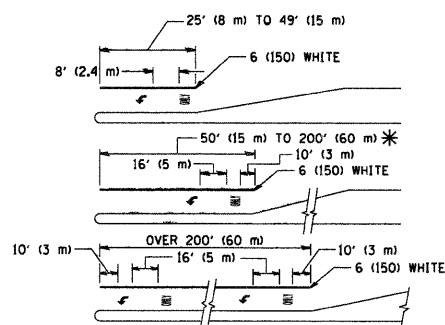
### TYPICAL CROSSWALK MARKING



### MEDIANS OVER 4' (1.2 m) WIDE



### TYPICAL PAINTED MEDIAN MARKING

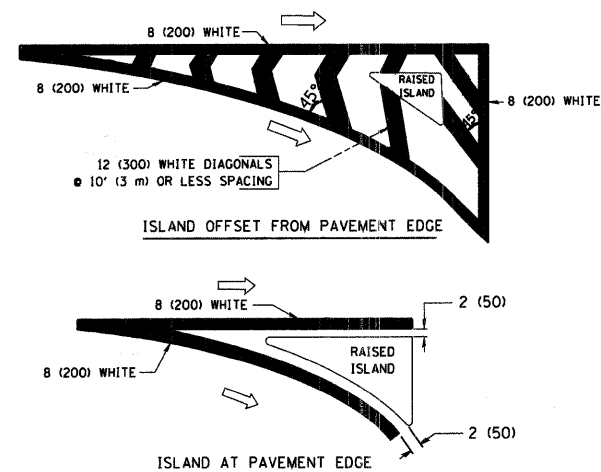


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

### TYPICAL LEFT (OR RIGHT) TURN LANE

### TYPICAL TURN LANE MARKING



### TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4' (100')	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2' 4' (100')	SOLID	YELLOW	11' (280') C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4' (100') 2' 4' (100')	SOLID SOLID	YELLOW YELLOW	5/2' (140') C-C FROM SKIP-DASH CENTERLINE 11' (280') C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4' (100') 5' (125') ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600') LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4' (100')	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6' (150') LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2' 4' (100') EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2' (140') C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2' 6' (150') 12' (300') 45° 12' (300') 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24' (600')	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2' 4' (100') WITH 12' (300') DIAGONALS 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11' (280') C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8' (200') WITH 12' (300') DIAGONALS 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24' (600') TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16' (400') LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12' (300') 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

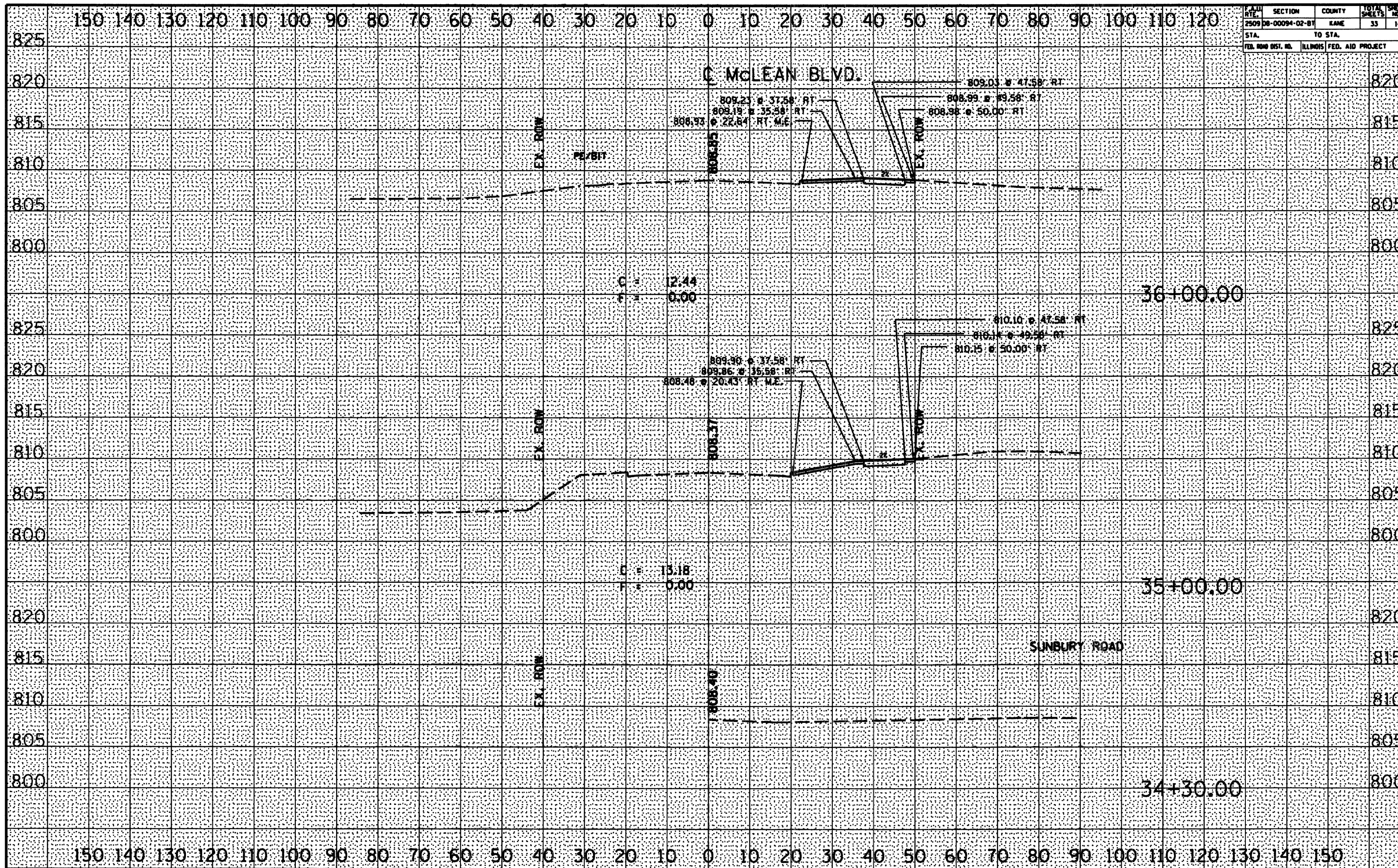


CONTRACT NO. 63125

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509 DB-00094-02-BT	KANE		33	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY
DESIGNED	NOTED
PLANNED	TEMP.
REVISION	NO.
FINAL	NO.

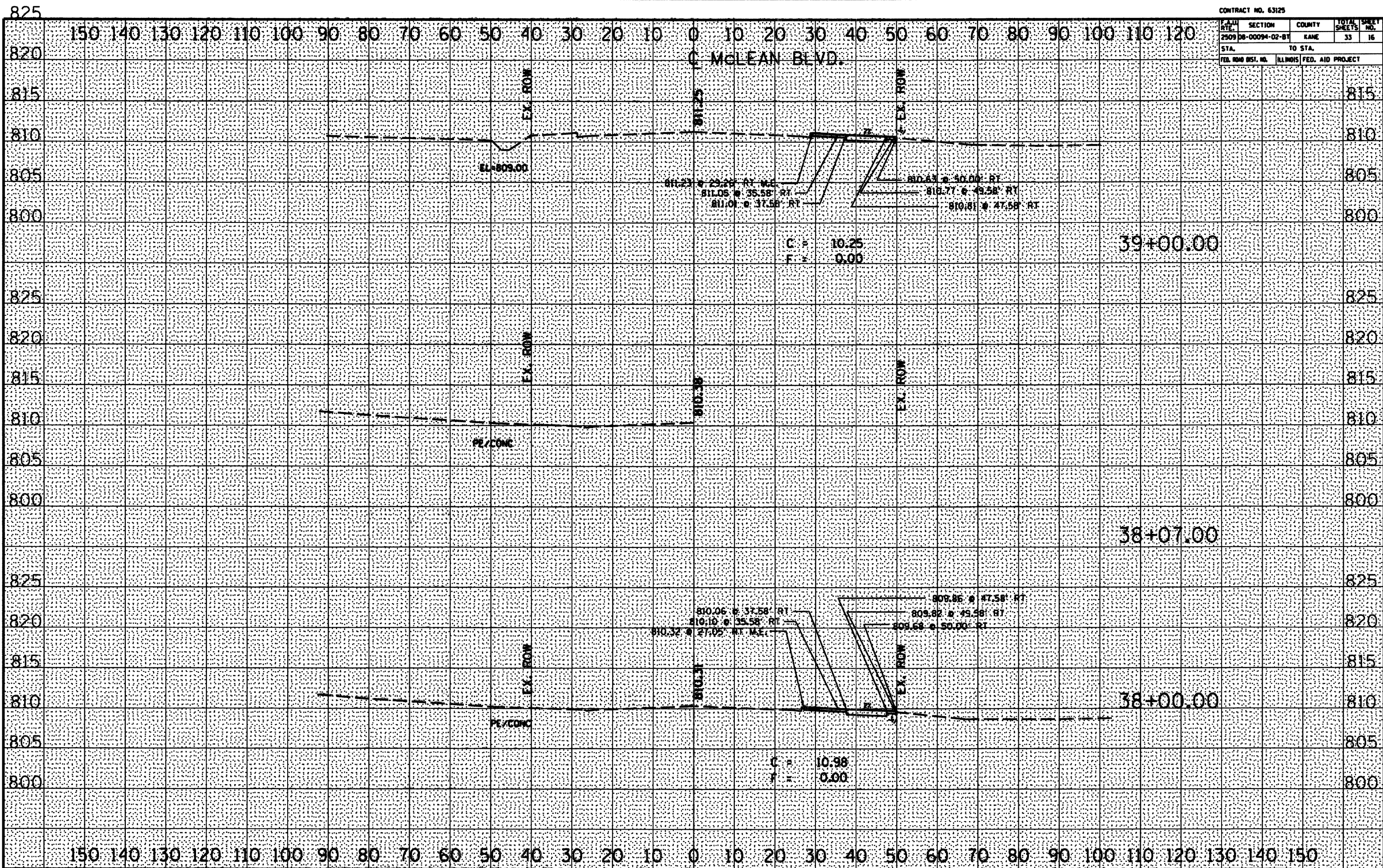
DATE	BY
DESIGNED	NOTED
PLANNED	TEMP.
REVISION	NO.
ORIGINAL	NO.











CONTRACT NO. 63125

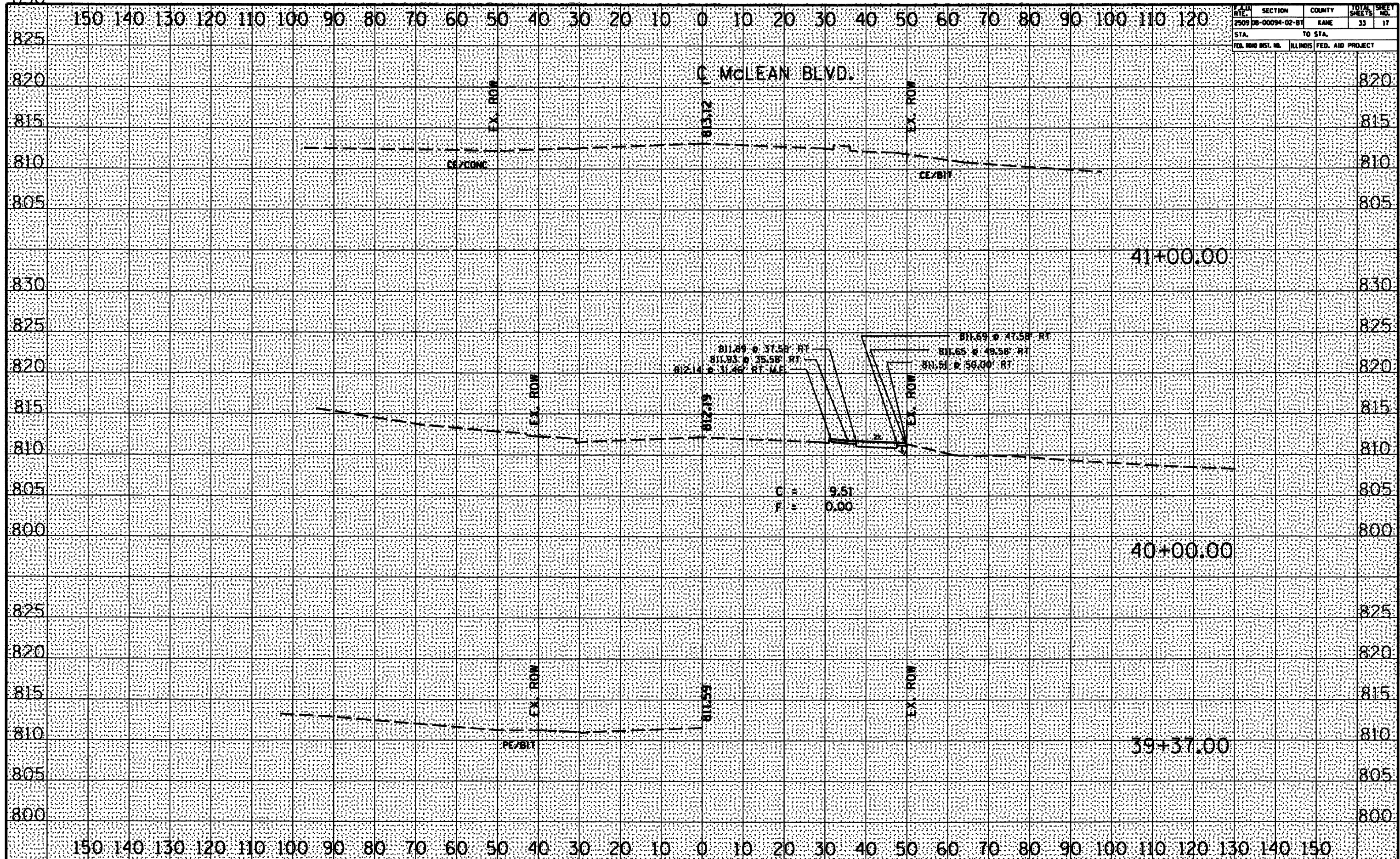
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509 DB-00094-02-BT	KANE	33	16
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

DATE	BY
DESIGNED	NOTED
TEMPLATE	AREAS
NO.	CHECKED

DATE	BY
DESIGNED	NOTED
TEMPLATE	AREAS
NO.	CHECKED



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	17
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

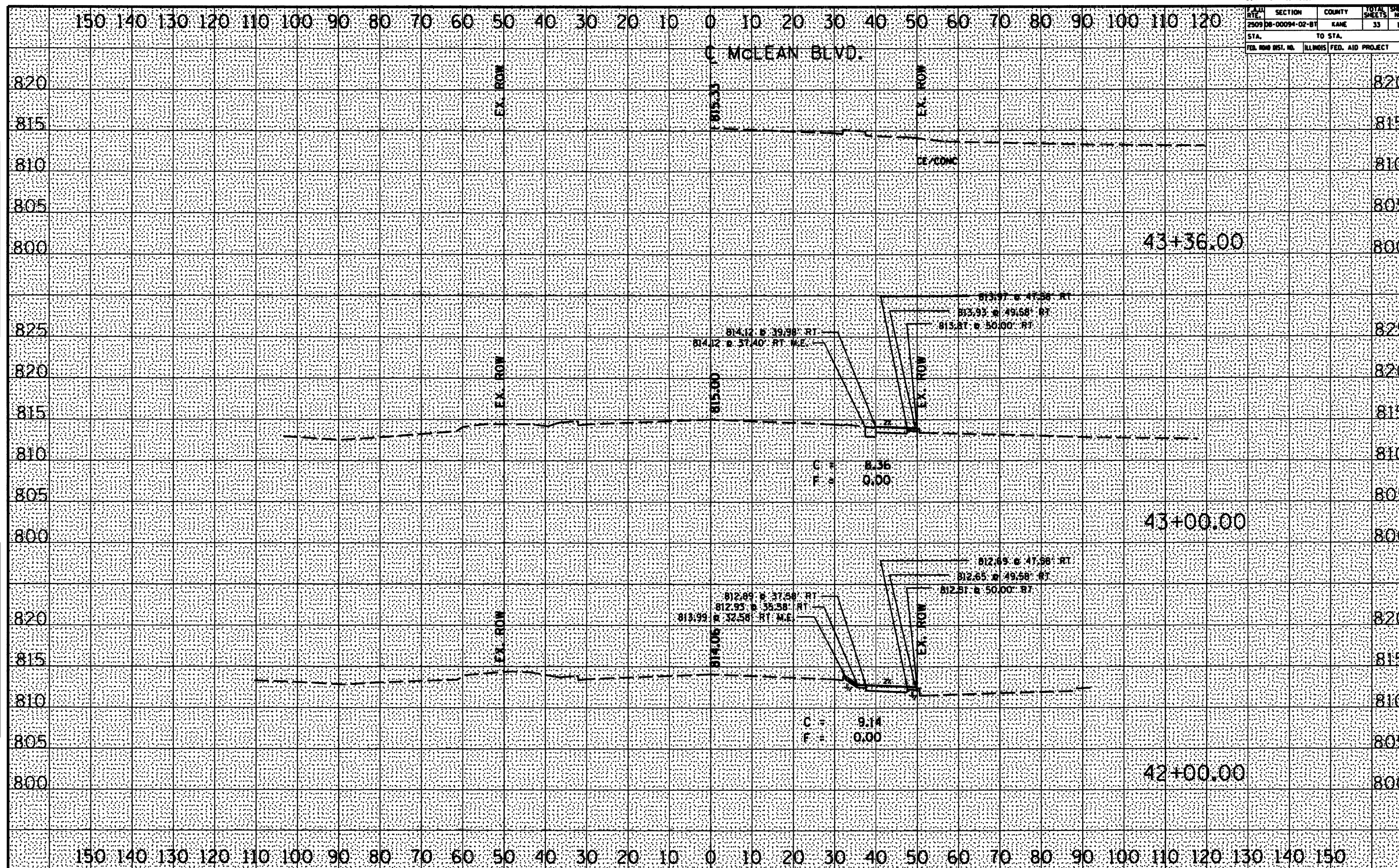




**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	1

STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

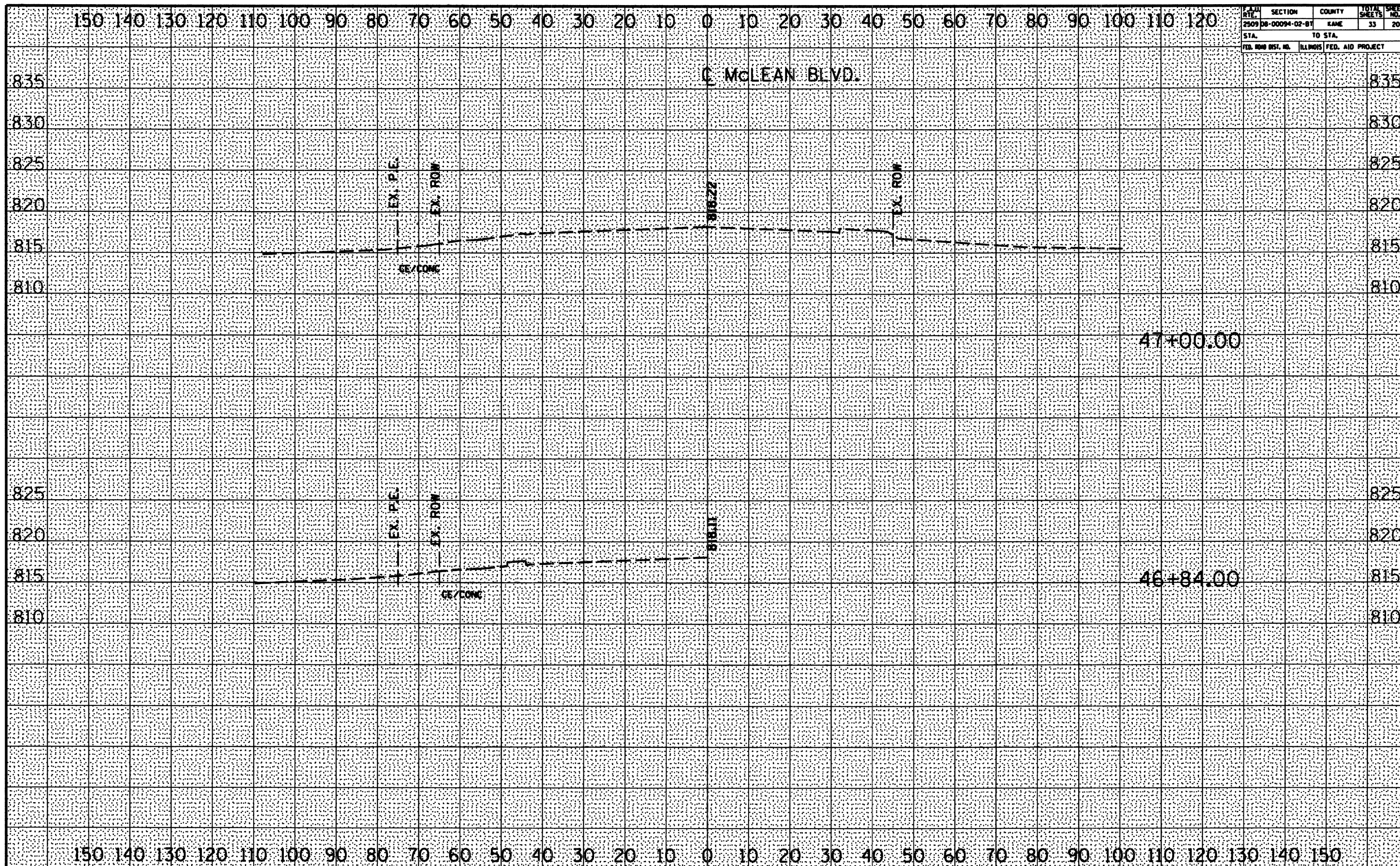








PLAN	SECTION	COUNTY	TOTAL	SHEET
2509	08-00094-02-BT	KANE	33	20
STA.	TO STA.			
FED. RDW DIST. NO.	ILLINOIS	FED. AID PROJECT		



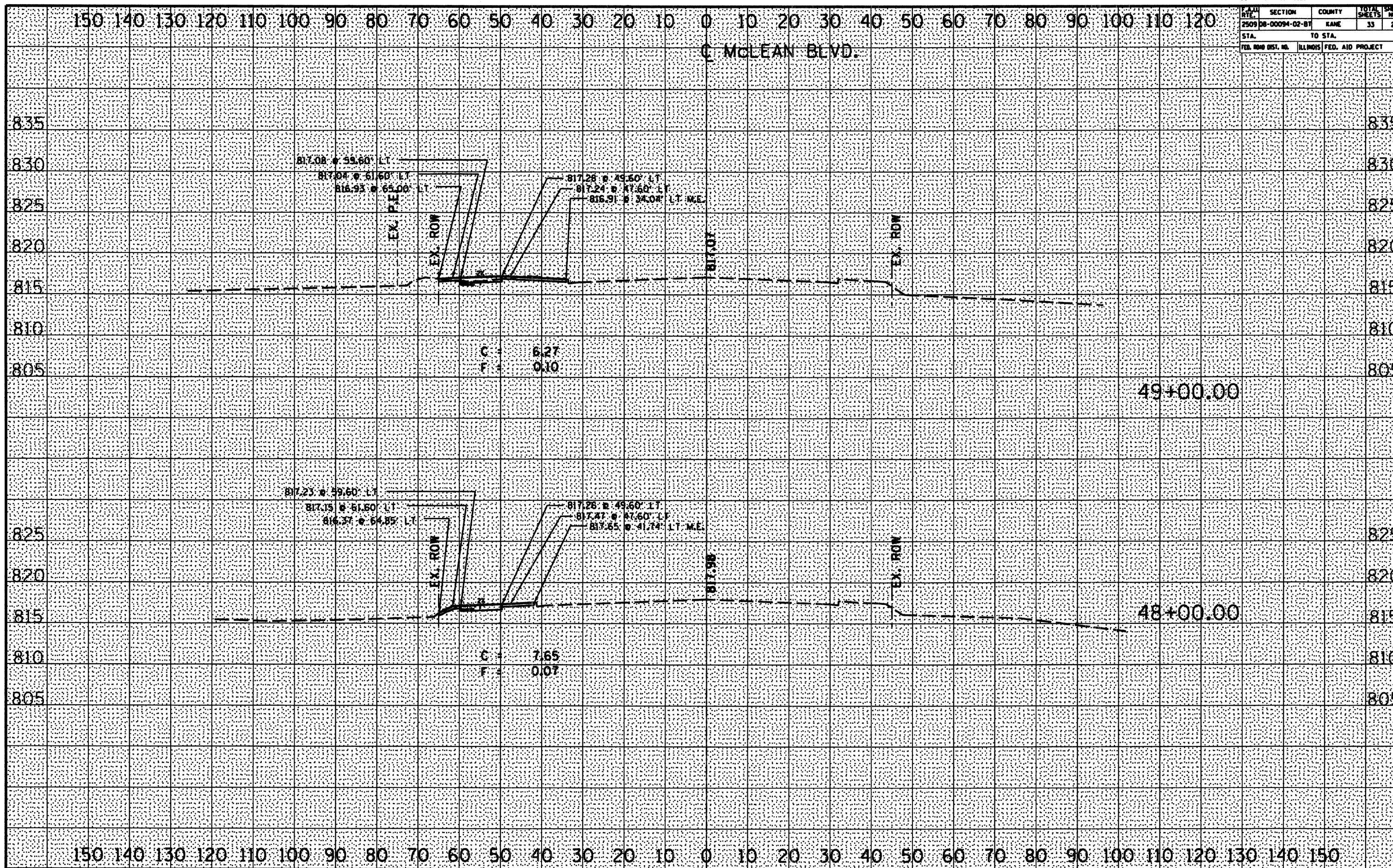
FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	



**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

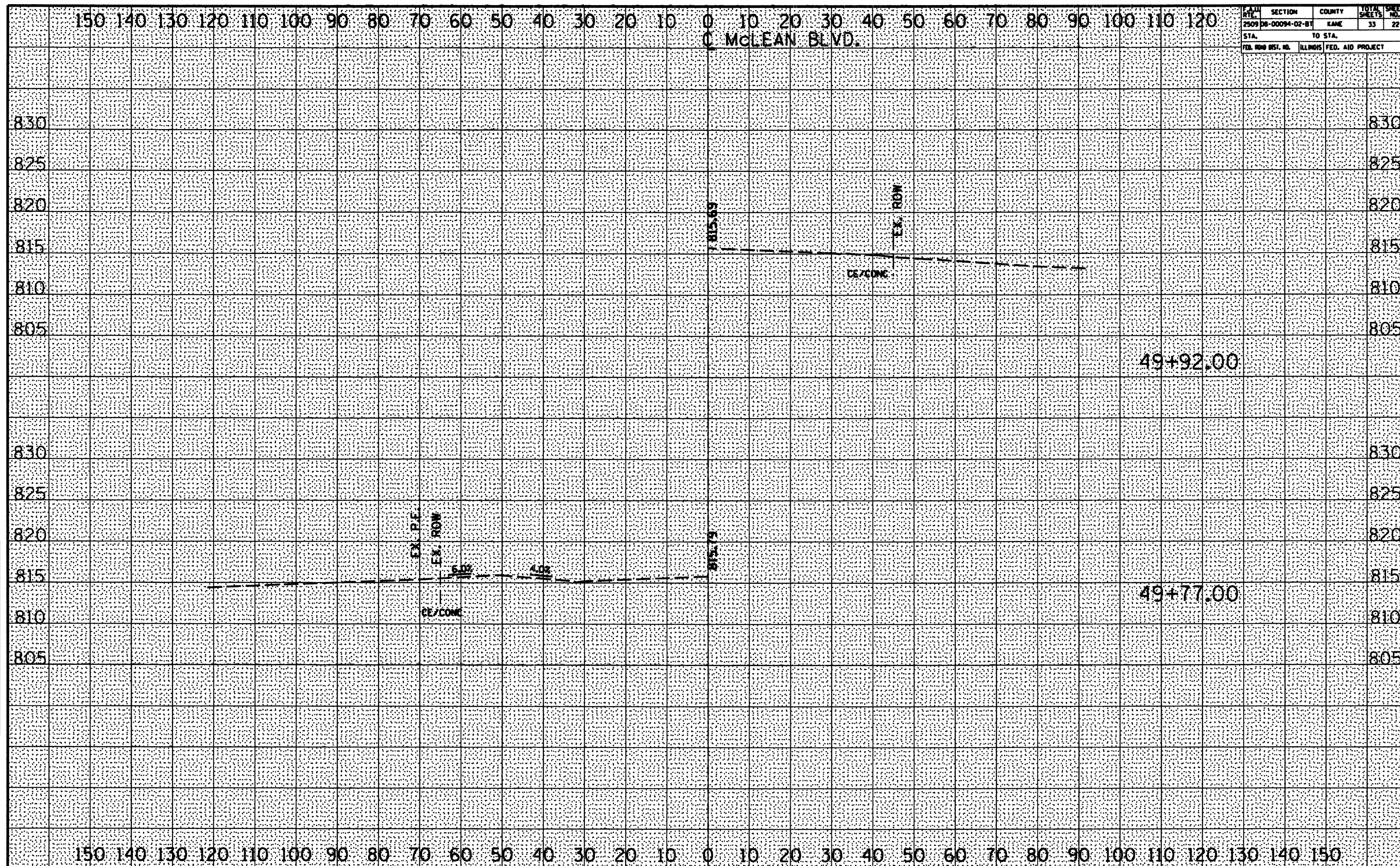
ORIGINAL SURVEY		BY	DATE
NOTE BOOK			
NO.			
		SURVEYED	
		PLOTTED	
		TEMPLATE	
		AREAS	
		AREAS CHECKED	



PLAN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
BY	
COMPILED NOTED	
PLANNED CHECKED	
DESIGNED	

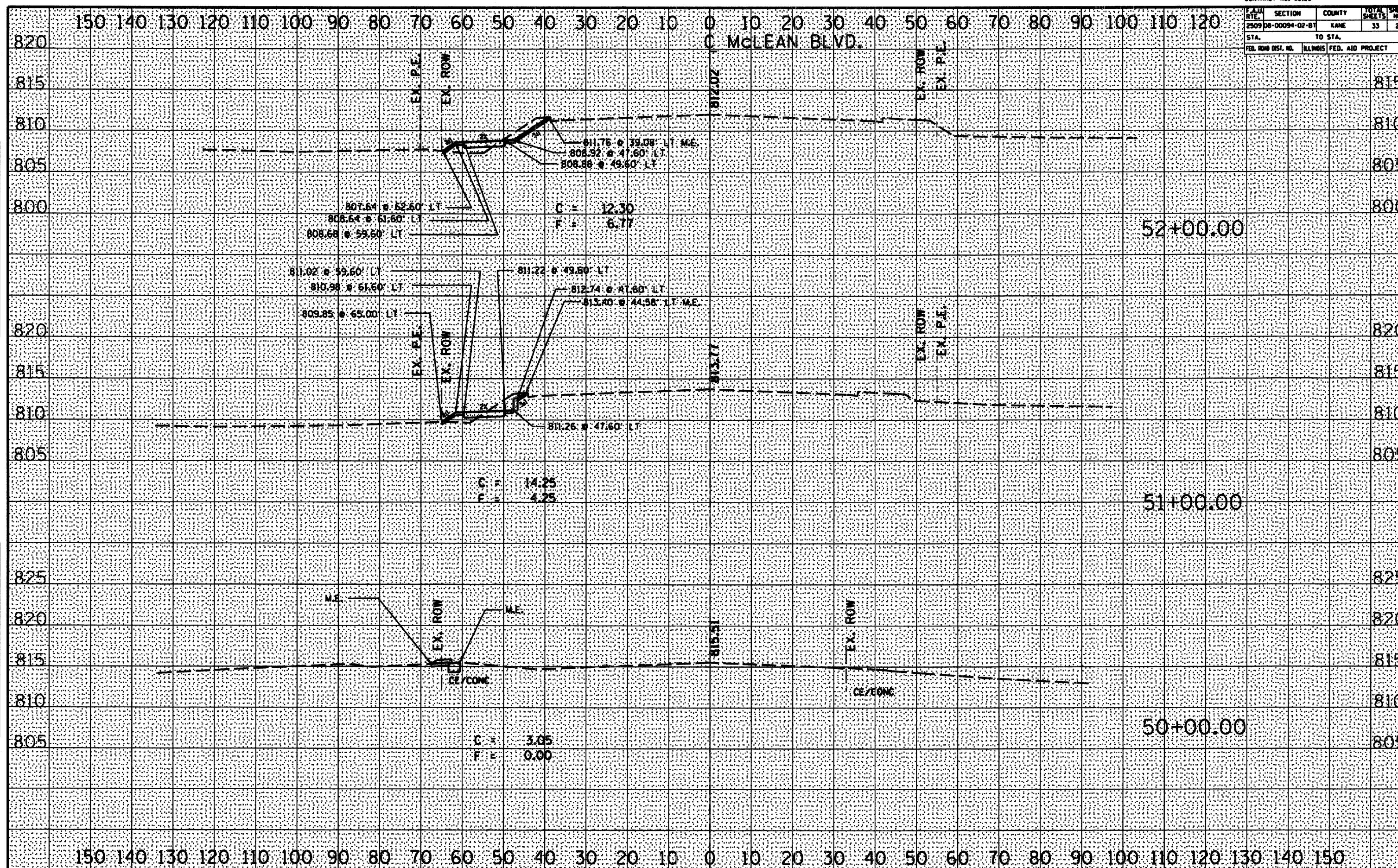
ORIGINAL SURVEY	DATE
BY	
COMPILED NOTED	
PLANNED CHECKED	
DESIGNED	



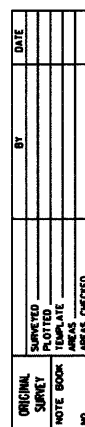


CONTRACT NO. 63125

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



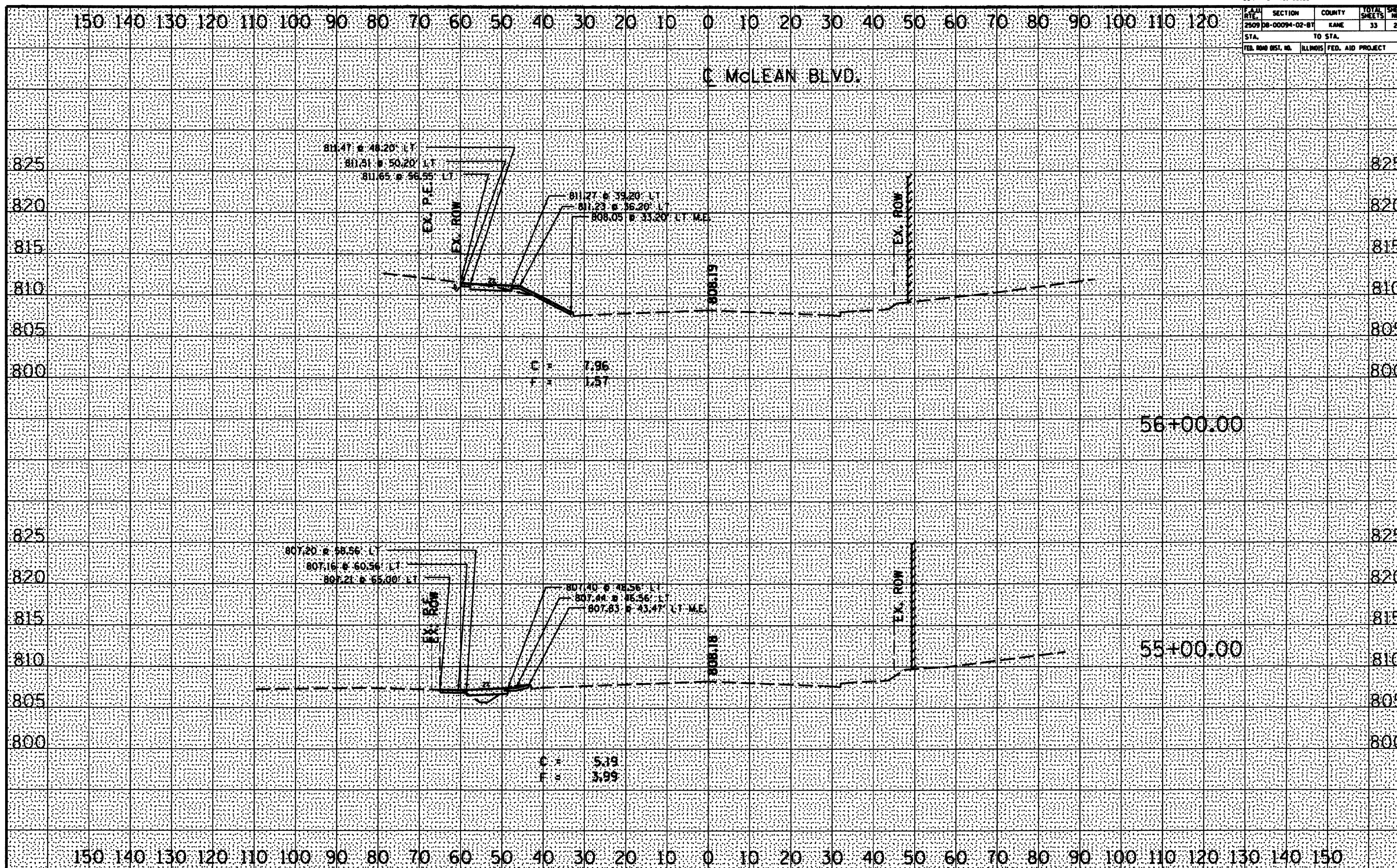






**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

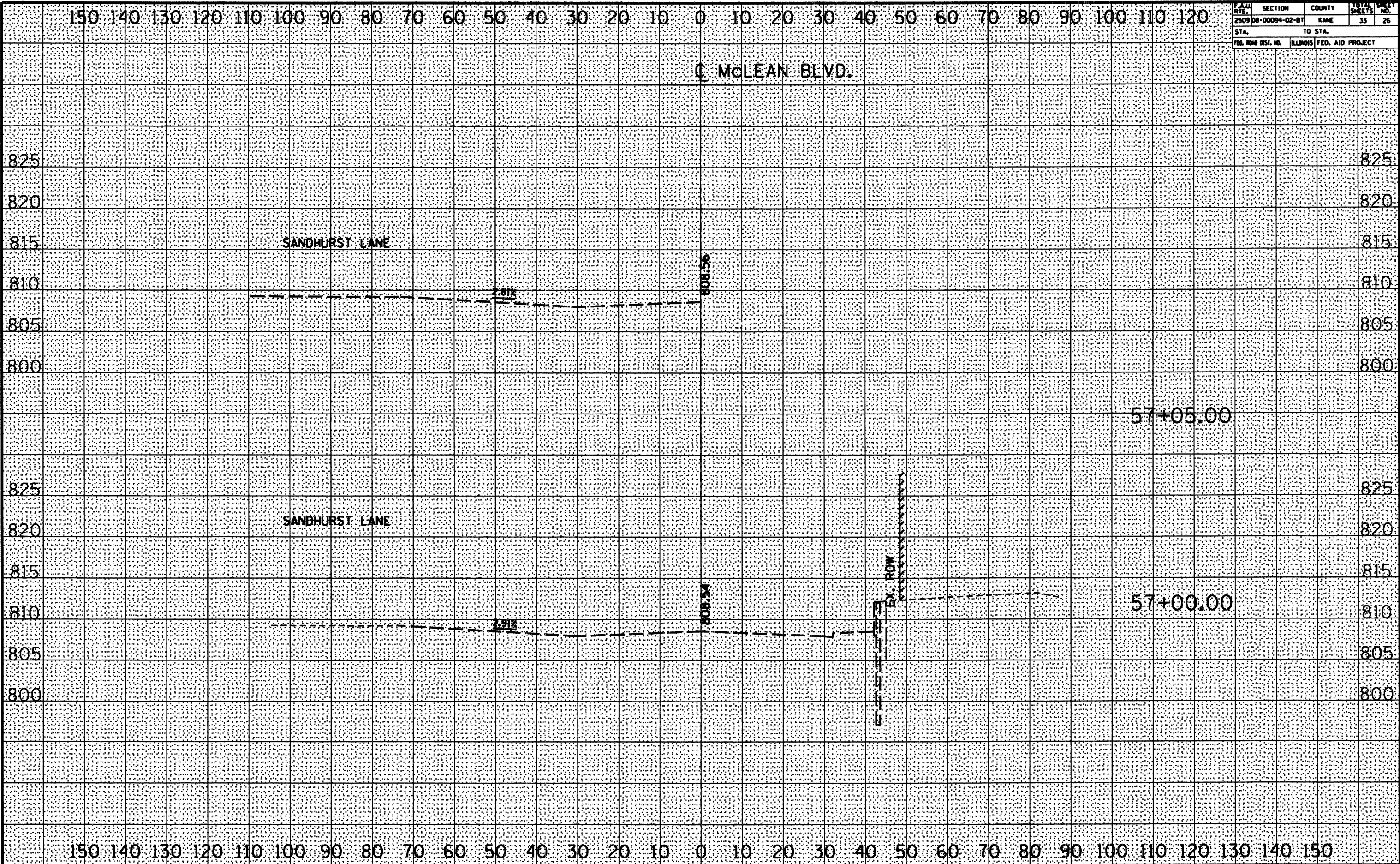
	BY	DATE
SURVEYED _____		
PLOTTED _____		
TEMPLATE _____		
AREAS _____		
CHECKED _____		



PLAN RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509 DB-00094-02-BT	KANE		33	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

DATE	BY
DESIGNED	
ROUTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	BY
DESIGNED	
ROUTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

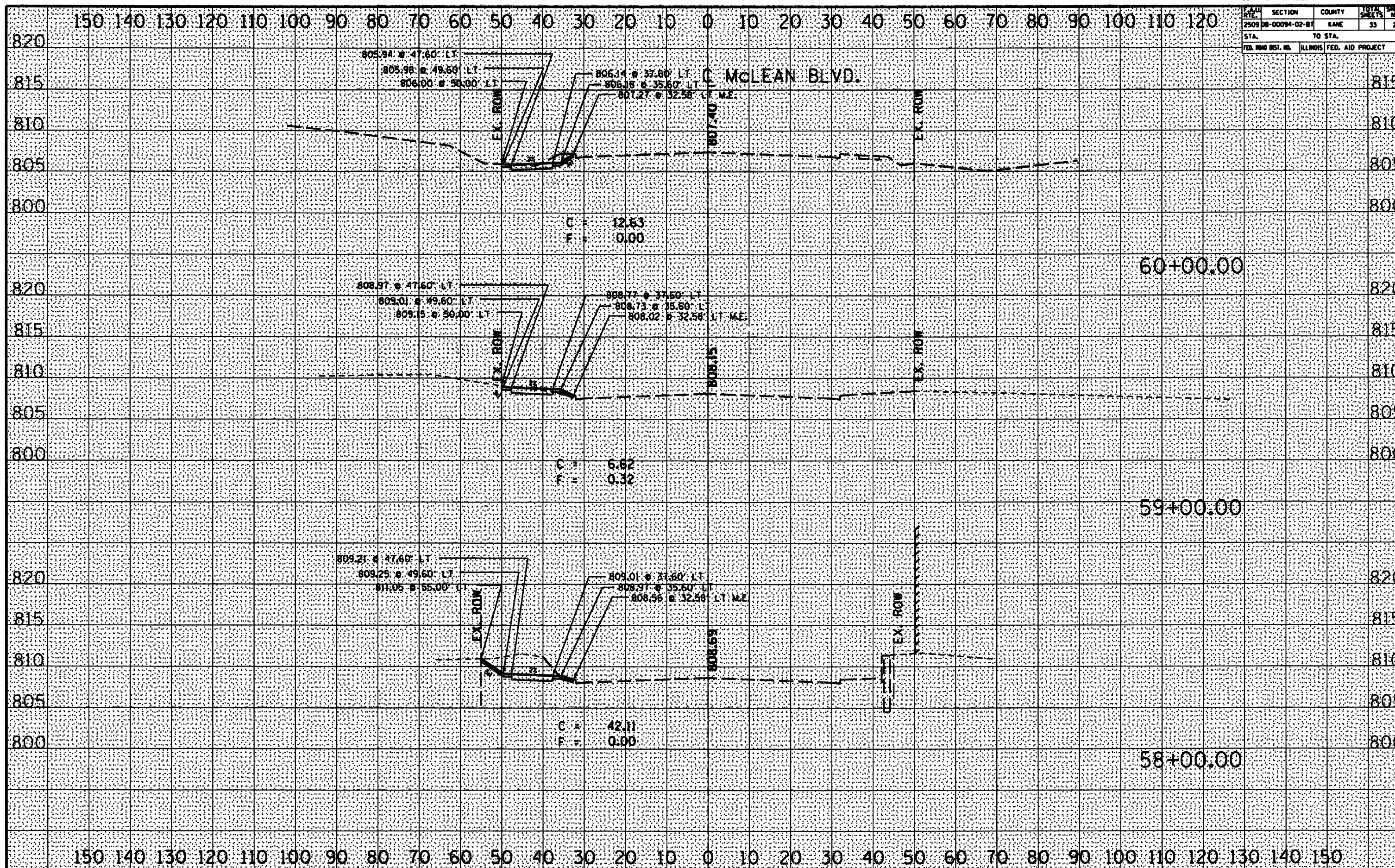




**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	2

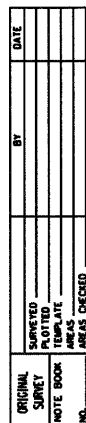
STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



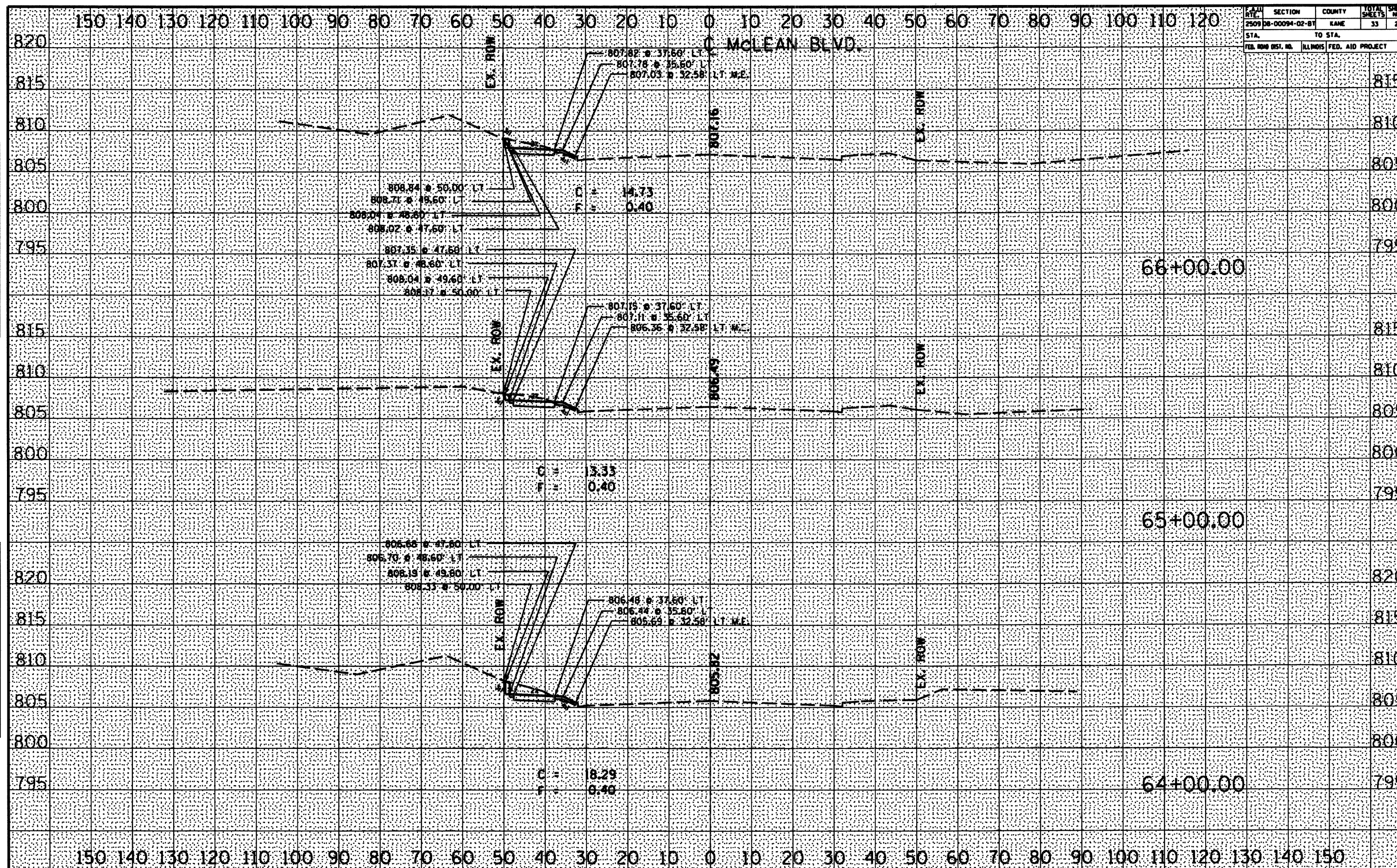
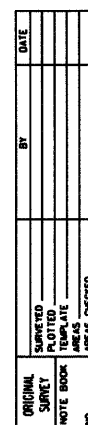
<b>FINAL SURVEY</b>	SURVEYED _____	BY _____	DATE _____
<b>NOTE BOOK</b>	PLOTTED _____	_____	_____
	TEMPLATE _____	_____	_____
	AREAS _____	_____	_____
	AREAS CHECKED _____	_____	_____

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMP. PLATE		
AREAS		
AREAS CHECKED		









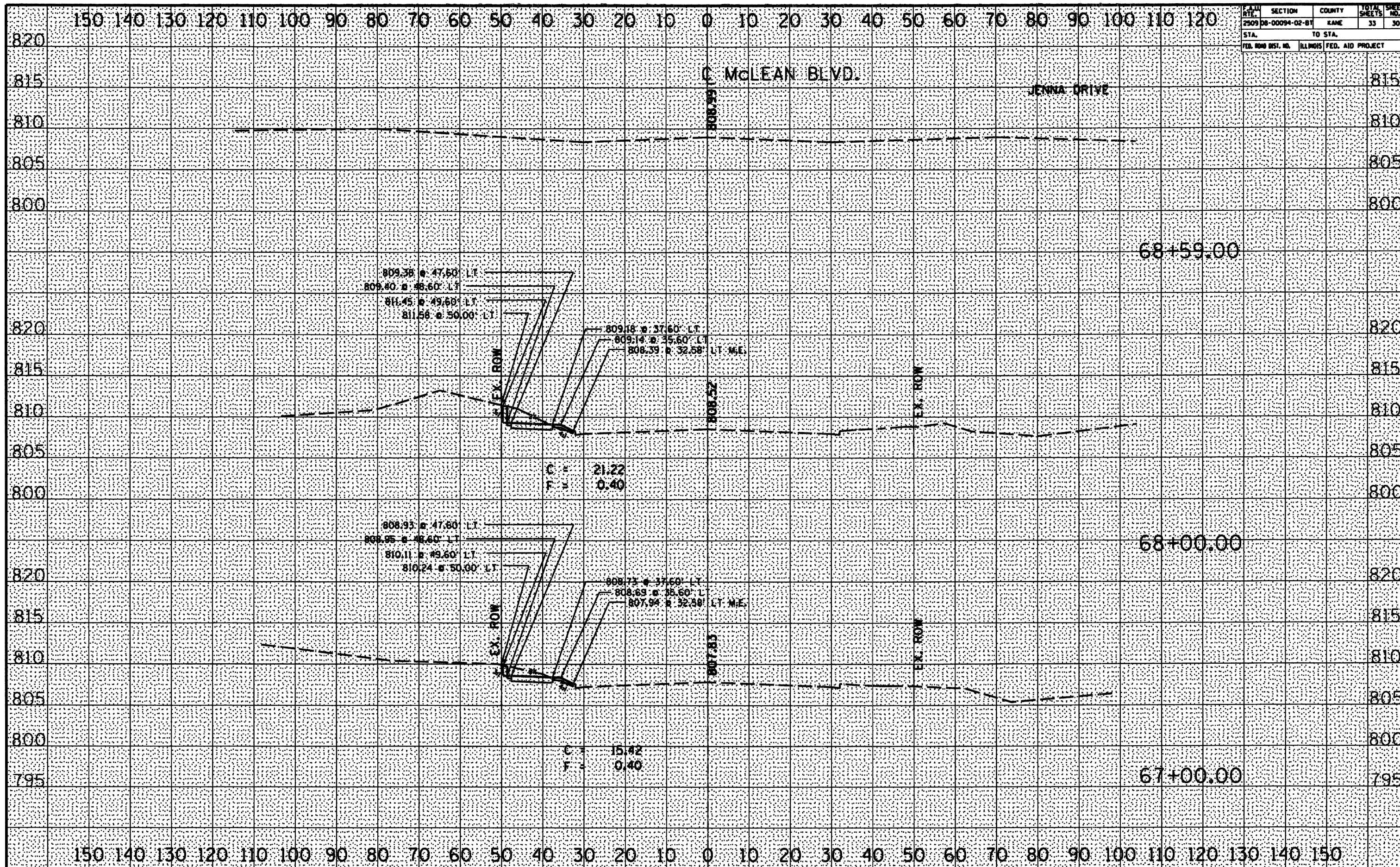


CONTRACT NO. 63125

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503 DB-00094-02-B1	KANE		33	30
STA.		TO STA.		
FED. RDW DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
NOTED BOOK	BY
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NOTED BOOK	BY
AREAS CHECKED	

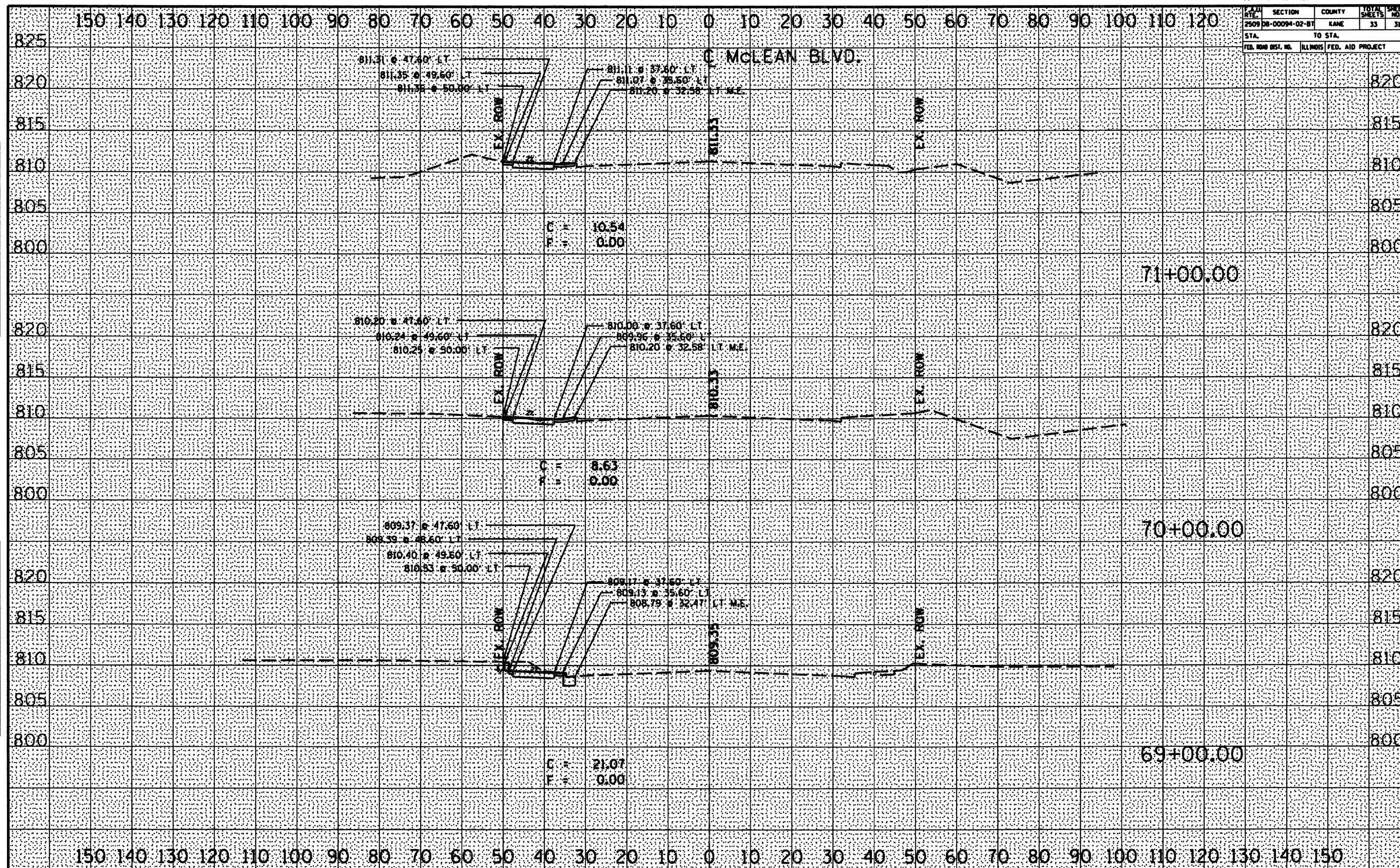




P.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509 DB-00094-02-B1	KANE		33	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVIEWED	DATE
		DESIGNED	
		PLANNED	
		NOTED	
		APPROVED	

DATE	BY	REVIEWED	DATE
		DESIGNED	
		PLANNED	
		NOTED	
		APPROVED	

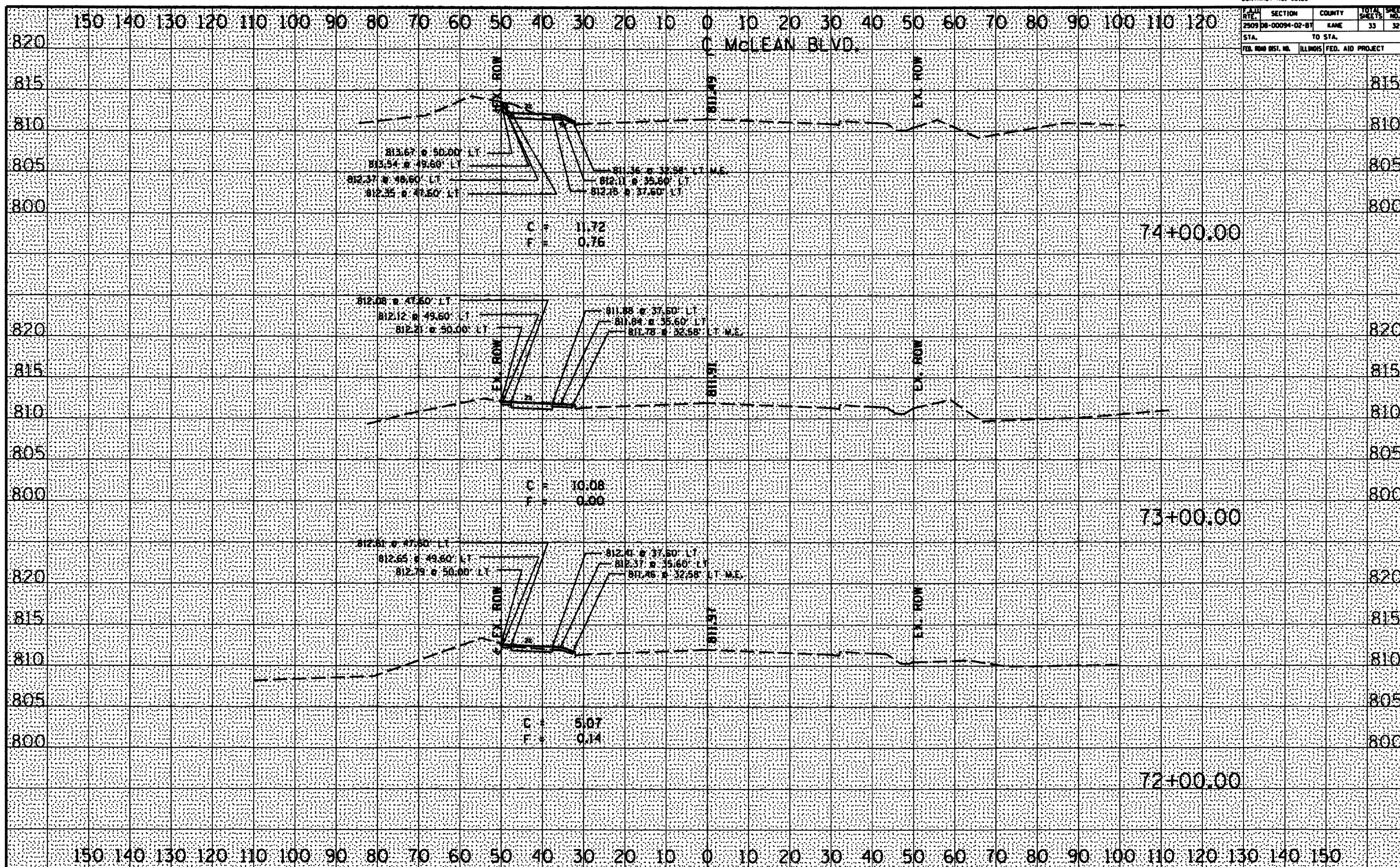




**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	32

STA.		TO STA.	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



FINAL SURVEY NOTE BOOK	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

<b>ORIGINAL</b>				
<b>SURVEY</b>				
<b>NOTE BOOK</b>				
	<b>SURVETED</b>	<b>BY</b>	<b>DATE</b>	
	<b>PLOTTED</b>			
	<b>TEMPLATE</b>			
	<b>AREAS</b>			
	<b>CHECKED</b>			



**CONTRACT NO. 63125**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	08-00094-02-BT	KANE	33	1
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

