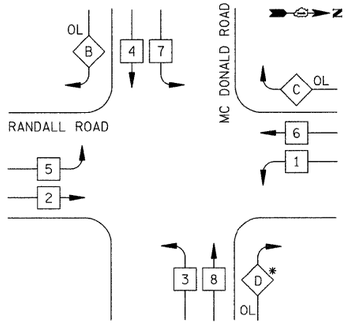
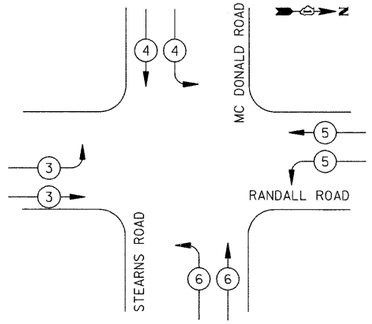
TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

* RIGHT TURN OVERLAP "D" SHALL NOT BE ACTIVE THROUGHOUT THE DURATION OF MOT STAGES 2A THROUGH 4B.

PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

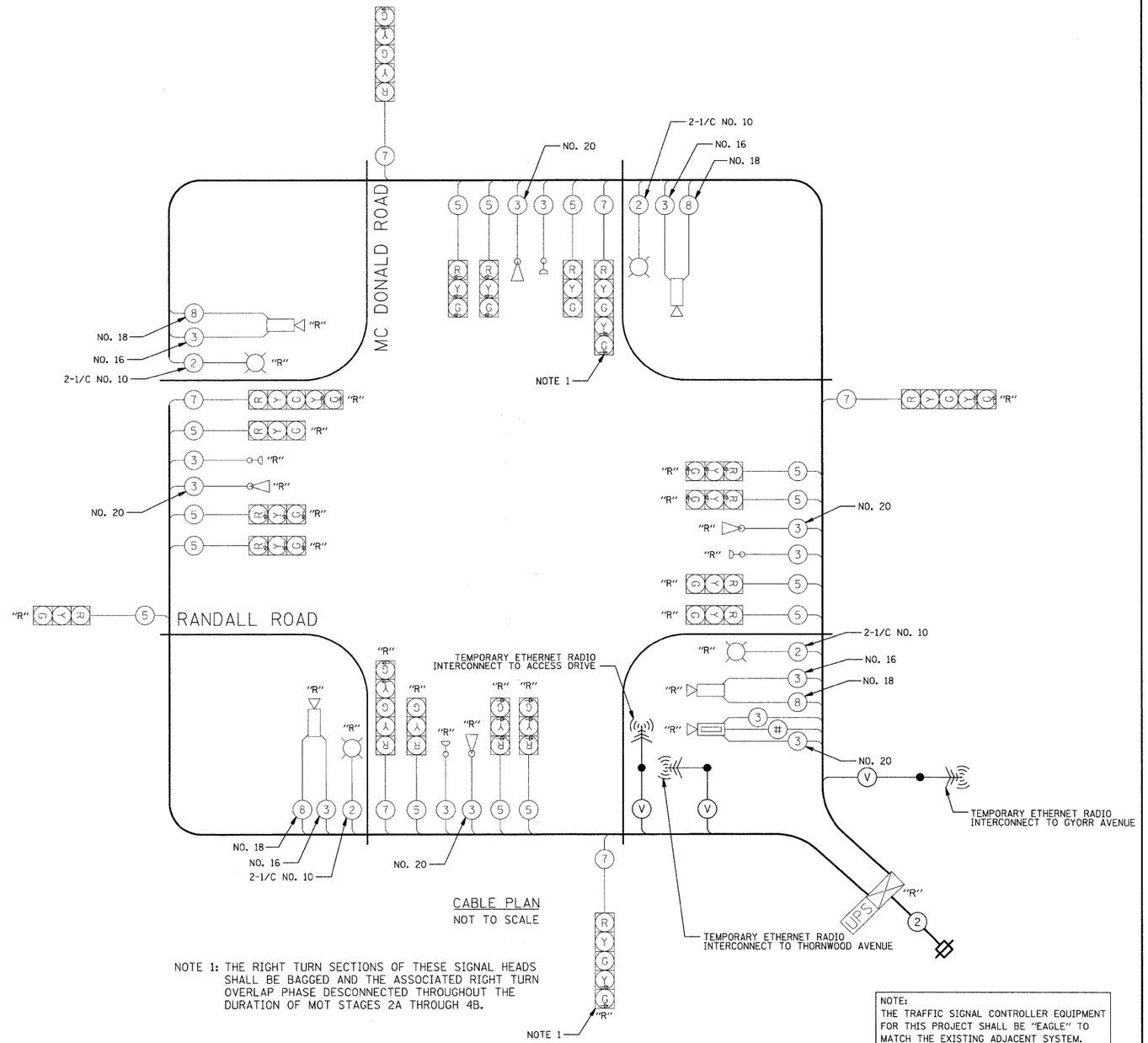
TEMPORARY CABLE DIAGRAM LEGEND

- 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
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- PTZ CAMERA
- VIDEO VEHICLE DETECTOR
- LUMINAIRE
- "R" — RELOCATED EQUIPMENT
- (#) — COAXIAL CABLE
- (V) — VENDOR SPECIFIED CABLE
- UPS — UNINTERRUPTIBLE POWER SUPPLY
- ETHERNET RADIO ANTENNA

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW	12		12	0.10	14.4
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
LUMINAIRES	4	310		0.50	620
				TOTAL =	1255

ENERGY COSTS TO: VILLAGE OF SOUTH ELGIN
10 N. WATER STREET
SOUTH ELGIN, IL 60177

ENERGY SUPPLY: CONTACT: MARTY RUBIN
PHONE: (847) 608-2400
COMPANY: COM ED



CABLE PLAN
NOT TO SCALE

NOTE 1: THE RIGHT TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND THE ASSOCIATED RIGHT TURN OVERLAP PHASE DESCONNECTED THROUGHOUT THE DURATION OF MOT STAGES 2A THROUGH 4B.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

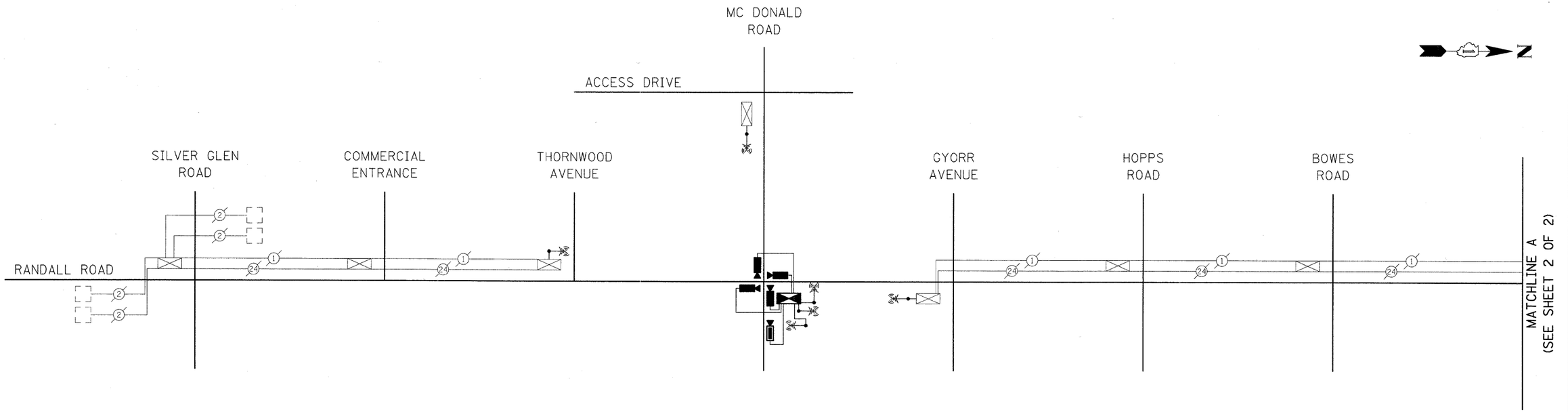
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CIVILTECH		DRAWN - JSH	REVISED -
	PLOT SCALE = 50	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY CABLE PLAN
RANDALL ROAD & MC DONALD ROAD

SCALE: N.T.S. | SHEET NO. 7 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	101
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



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)
- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F (36)
- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F (36)
- EXISTING VIDEO DETECTION CAMERA
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING PTZ CAMERA
- PROPOSED PTZ CAMERA
- ETHERNET RADIO ANTENNA

TEMPORARY INTERCONNECT NOTES

1. THE WIRELESS INTERCONNECT SYSTEM SHALL BE ETHERNET BASED, AND SHALL BE CAPABLE OF MAINTAINING ALL EXISTING SYSTEM ETHERNET COMMUNICATIONS.

2. "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION" AT THE INTERSECTIONS OF RANDALL ROAD/THORNWOOD AVENUE, RANDALL ROAD/GYORR AVENUE, AND MC DONALD ROAD/ACCESS DRIVE SHALL BEGIN AS SOON AS THE CONTRACTOR BEGINS ANY PHYSICAL WORK ON THE CONTRACT OR ANY PORTION THEREOF.

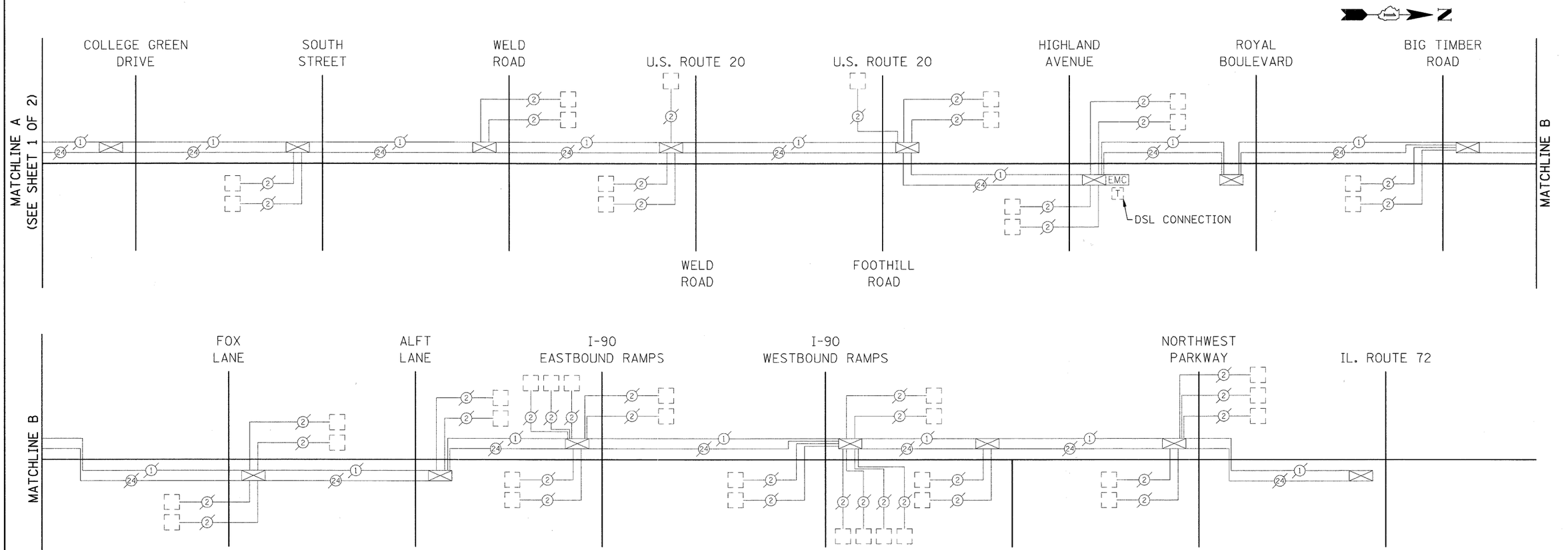
FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - JSH	REVISED -
	PLOT SCALE = 50	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC (SHEET 1 OF 2)
RANDALL ROAD

SCALE: N.T.S. | SHEET NO. 8 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	102
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER	EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
PROPOSED INTERSECTION CONTROLLER	PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
EXISTING MASTER CONTROLLER	EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
PROPOSED MASTER CONTROLLER	PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
MASTER MASTER CONTROLLER	EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS	PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS	PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
EXISTING SAMPLING (SYSTEM) DETECTORS	EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)
PROPOSED SAMPLING (SYSTEM) DETECTORS	PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.	EXISTING TELEPHONE CONNECTION
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED SAMPLING (SYSTEM) DETECTORS.	PROPOSED TELEPHONE CONNECTION
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	EXISTING VIDEO DETECTION CAMERA
PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	PROPOSED VIDEO DETECTION CAMERA
	EXISTING PTZ CAMERA
	PROPOSED PTZ CAMERA
	ETHERNET RADIO ANTENNA

FILE NAME =

CIVILTECH

USER NAME = CIVILTECH ENGINEERING, INC.
PLOT SCALE = 50
PLOT DATE = 3/24/2009

DESIGNED - JSH
DRAWN - JSH
CHECKED - BRD
DATE - 3/30/09

REVISED -
REVISED -
REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
(SHEET 2 OF 2)
RANDALL ROAD

SCALE: N.T.S. | SHEET NO. 9 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	103
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
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	○—	●—
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL	○—⊠	●—⊠
COMMON TRENCH		CT
UNIT DUCT		UD
HANDHOLE	▧	◪
HEAVY-DUTY HANDHOLE	H	H
DOUBLE HANDHOLE	▨	◪◪
G.S. CONDUIT IN TRENCH OR PUSHED	═══	———
PEDESTRIAN PUSH-BUTTON DETECTOR	◉	◉
DETECTOR LOOP	⬚	□
CAST IRON JUNCTION BOX	Ⓘ "E"	Ⓘ

	EXISTING	PROPOSED
EMERGENCY VEHICLE SYSTEM DETECTOR	⊰	◂
CONFIRMATION BEACON	⊰◁	●◂
SIGNAL HEAD PROGRAMMED	→"P"	→"P"
CONDUIT SPLICE		"P"
WOOD POLE	⊗ "E"	⊗
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	"E"	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	▭	▬
RAILROAD CONTROLLER	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	"E"	
TELEPHONE CONNECTION		T
UNINTERRUPTIBLE POWER SUPPLY		UPS
VIDEO DETECTION CAMERA		
PTZ CAMERA		

NOTES FOR TRAFFIC SIGNALS

1. THE VIDEO VEHICLE DETECTION SYSTEM'S MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE ASSISTANCE IN ALL CABLE TERMINATIONS.
2. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT IN THE FIELD BY THE MANUFACTURER'S TECHNICIAN AS APPROVED BY THE ENGINEER.
3. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPED WITH TWO 30 AMP CIRCUIT BREAKERS, ONE PROVIDED FOR THE TRAFFIC SIGNAL LOAD AND ONE PROVIDED FOR POTENTIAL FUTURE LIGHTING. THIS WORK SHALL BE INCLUDED IN THE COST OF "FULL ACTUATED CONTROLLER IN TYPE IV CABINET (SPECIAL)"
4. THE TYPE "E" CONCRETE FOUNDATIONS SHALL INCLUDE AN ADDITIONAL 2½" RACEWAY FOR POTENTIAL FUTURE LIGHTING NEEDS.

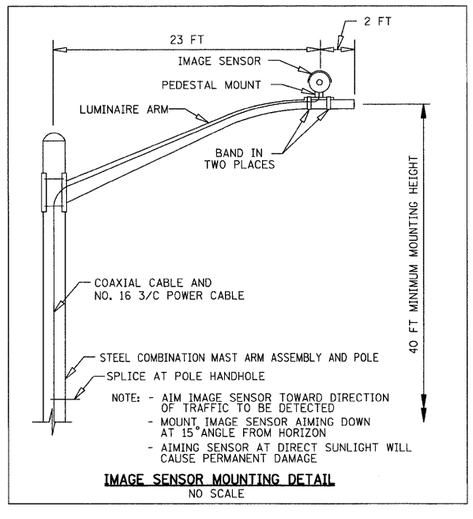
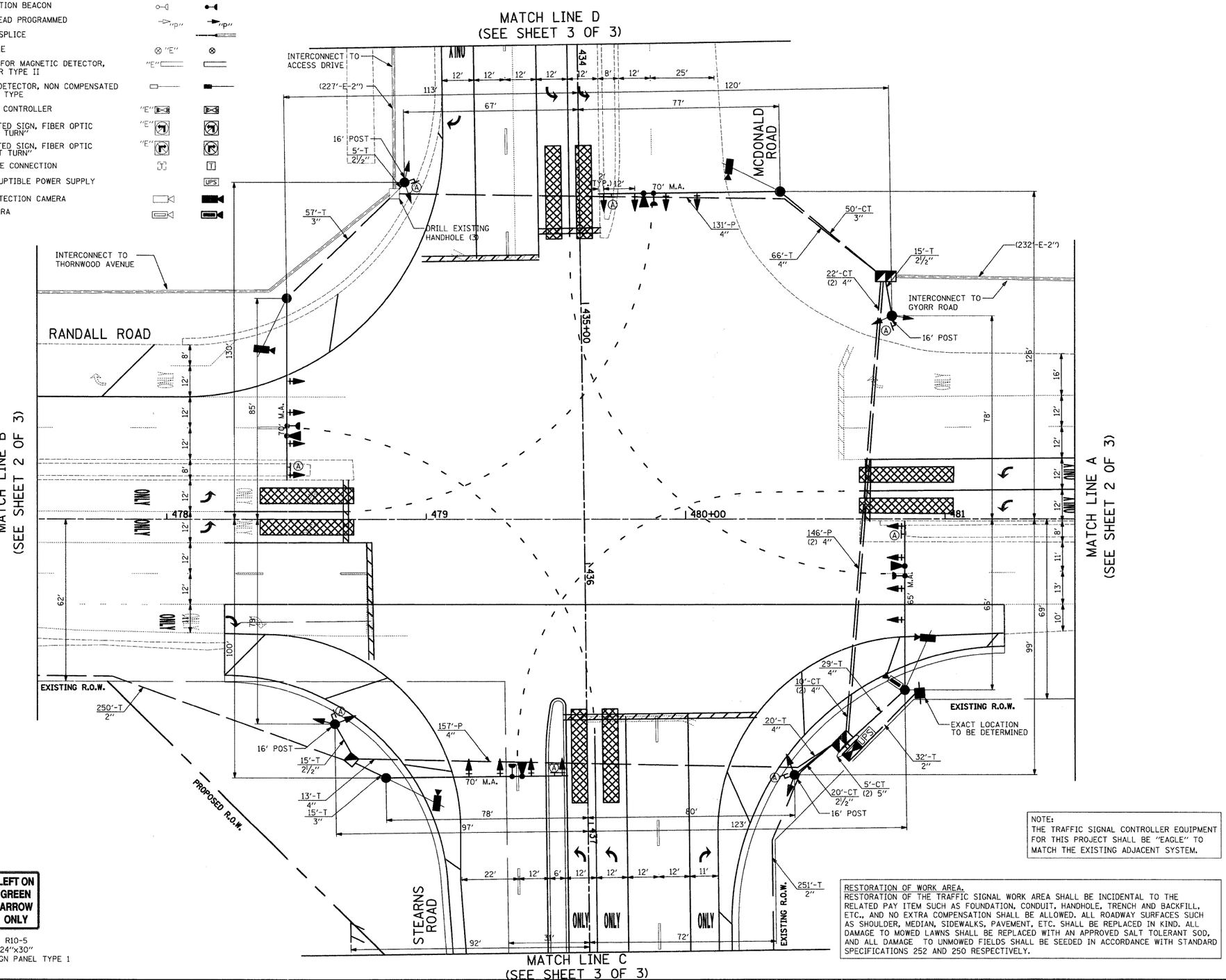


IMAGE SENSOR MOUNTING DETAIL
NO SCALE

Ⓐ **LEFT ON GREEN ARROW ONLY**

R10-5
24"x30"
(TYP.) SIGN PANEL TYPE 1



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "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 SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

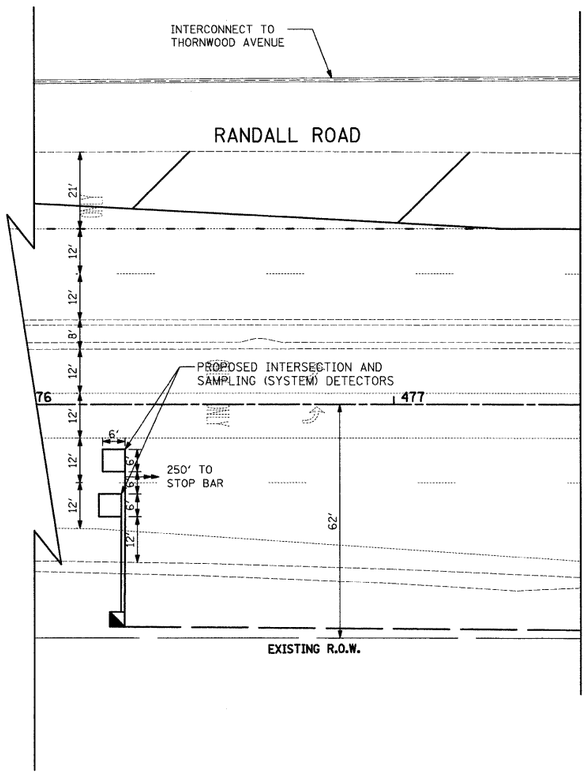
TRAFFIC SIGNAL INSTALLATION PLAN
(SHEET 1 OF 3)
RANDALL ROAD & STEARNS ROAD / MC DONALD ROAD
SCALE: 1"=20' | SHEET NO. 10 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	104
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

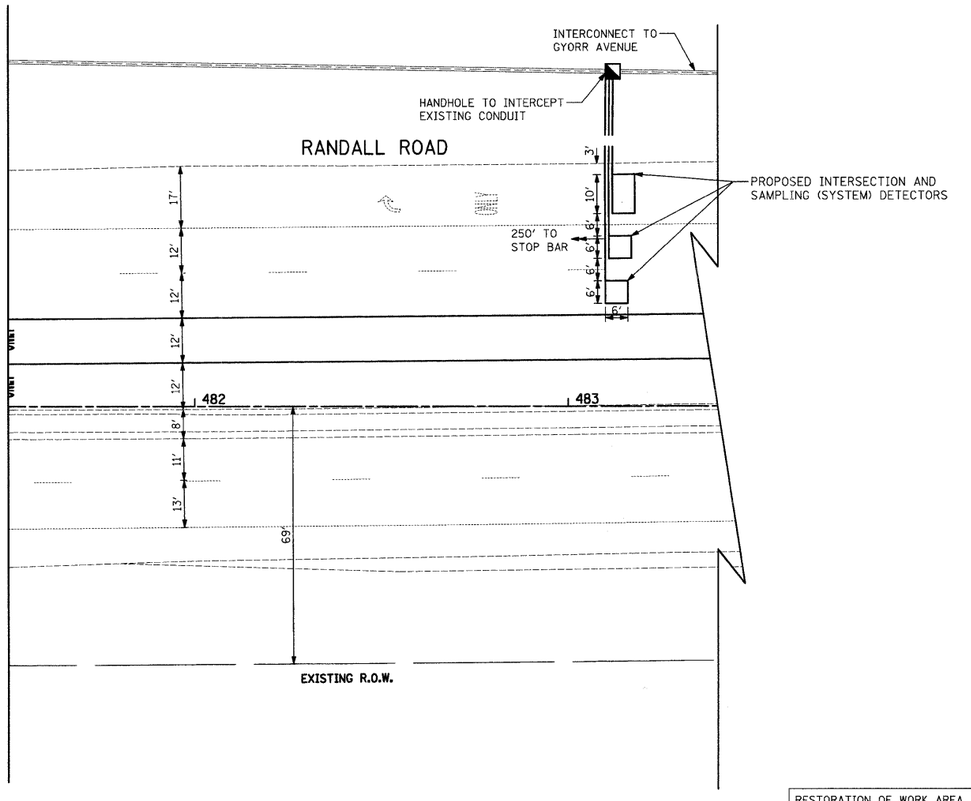
	EXISTING	PROPOSED
CONTROLLER	⊠	⊠
SERVICE INSTALLATION	⊓	■
SIGNAL HEAD	▷	▶
SIGNAL HEAD WITH BACKPLATE	▷	▶
SIGNAL HEAD, PEDESTRIAN	▯	■
SIGNAL POST	○	●
MAST ARM ASSEMBLY AND POLE, STEEL	○———	●———
MAST ARM ASSEMBLY AND POLE, ALUMINUM	○———	●———
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL	○—⊠—	●—■—
COMMON TRENCH		CT
UNIT DUCT		UD
HANDHOLE	▨	◪
HEAVY-DUTY HANDHOLE	[H]	[H]
DOUBLE HANDHOLE	▨▨	◪◪
G.S. CONDUIT IN TRENCH OR PUSHED	═══	———
PEDESTRIAN PUSH-BUTTON DETECTOR	◉	◉
DETECTOR LOOP	⬚	□
CAST IRON JUNCTION BOX	ⓘ "E"	ⓘ

	EXISTING	PROPOSED
EMERGENCY VEHICLE SYSTEM DETECTOR	⊲	◀
CONFIRMATION BEACON	⊲	◀
SIGNAL HEAD PROGRAMMED	▷ "P"	▶ "P"
CONDUIT SPLICE		———
WOOD POLE	⊗ "E"	⊗
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	"E"═══	═══
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	□———	■———
RAILROAD CONTROLLER	"E"⊠	⊠
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	"E"	
TELEPHONE CONNECTION	T	T
UNINTERRUPTIBLE POWER SUPPLY		UPS
VIDEO DETECTION CAMERA	▭◁	■◁
PTZ CAMERA	▭◁	■◁



MATCH LINE B (SEE SHEET 1 OF 3)

MATCH LINE A (SEE SHEET 1 OF 3)



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "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 SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

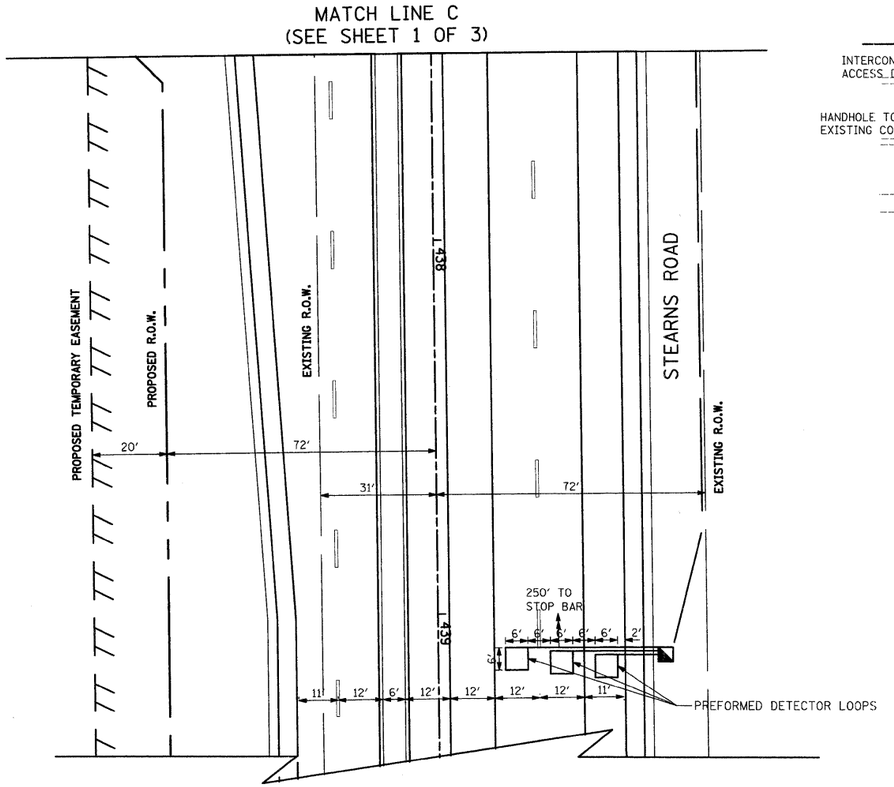
TRAFFIC SIGNAL INSTALLATION PLAN
(SHEET 2 OF 3)
RANDALL ROAD & STEARNS ROAD / MC DONALD ROAD
SCALE: 1"=20' | SHEET NO. 11 OF 23 SHEETS | STA. | TO STA.

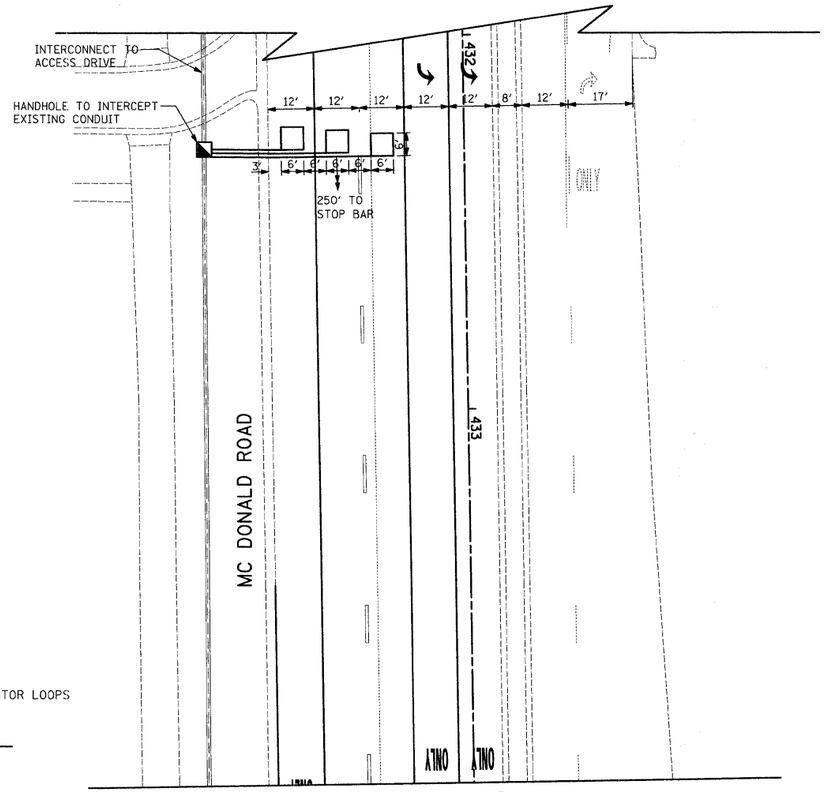
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	105
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
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	○———	●———
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL	○—□	●—■
COMMON TRENCH		CT
UNIT DUCT		UD
HANDHOLE	▨	◪
HEAVY-DUTY HANDHOLE	▨ H	■ H
DOUBLE HANDHOLE	▨▨	◪◪
G.S. CONDUIT IN TRENCH OR PUSHED	═══	———
PEDESTRIAN PUSH-BUTTON DETECTOR	◉	◉
DETECTOR LOOP	⬚	□
CAST IRON JUNCTION BOX	Ⓘ "E"	Ⓘ

	EXISTING	PROPOSED
EMERGENCY VEHICLE SYSTEM DETECTOR	⊲	◀
CONFIRMATION BEACON	○⊲	●◀
SIGNAL HEAD PROGRAMMED	▷ "P"	▶ "P"
CONDUIT SPLICE		——⊗——
WOOD POLE	⊗ "E"	⊗
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	"E" ═══	═══
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	□———	■———
RAILROAD CONTROLLER	"E" ▷⊠	▷⊠
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	"E"	
TELEPHONE CONNECTION		T
UNINTERRUPTIBLE POWER SUPPLY		UPS
VIDEO DETECTION CAMERA	▭◁	▬◀
PTZ CAMERA	▭◁	▬◀





NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

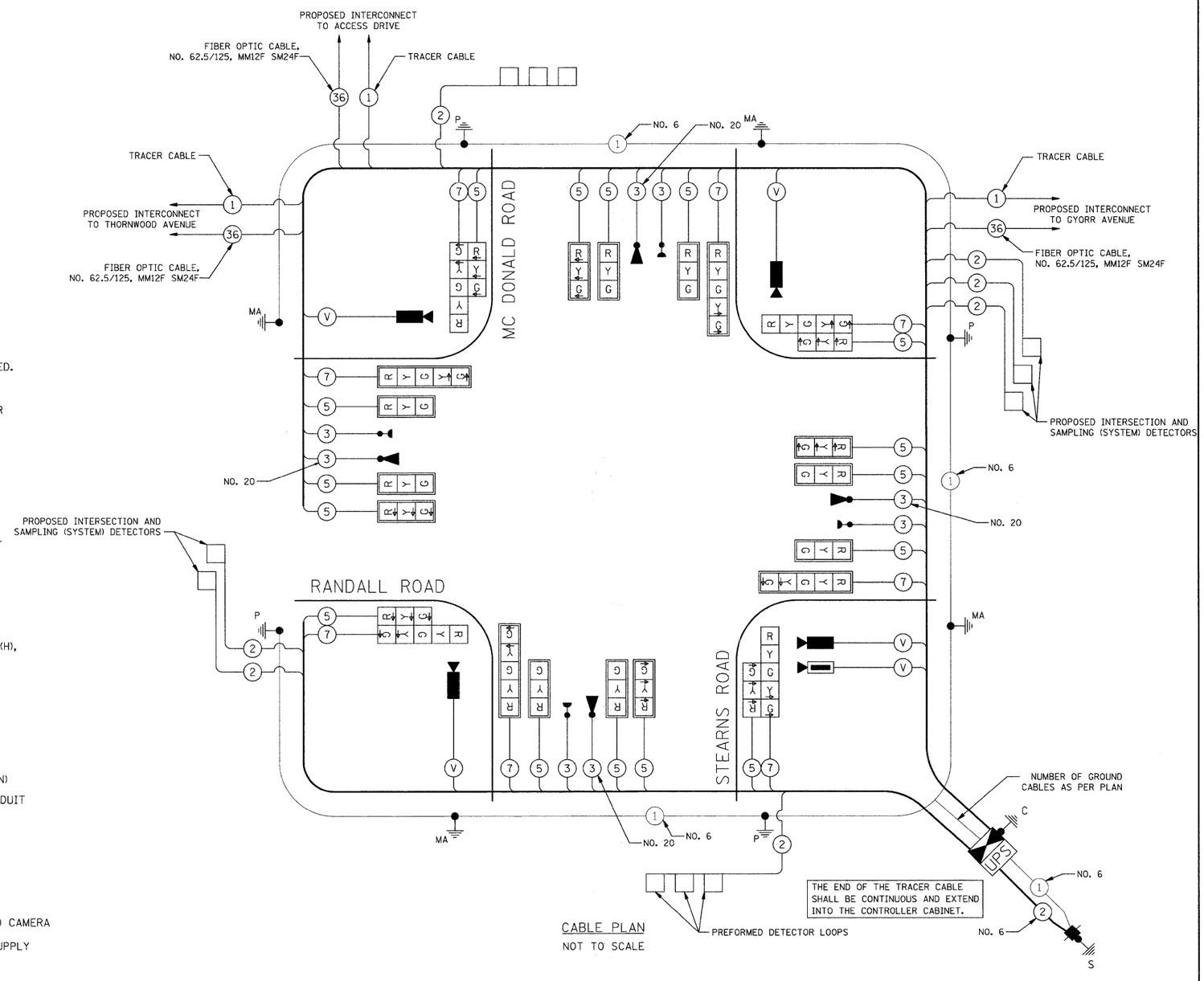
RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 3 OF 3) RANDALL ROAD & STEARNS ROAD / MC DONALD ROAD
CIVILTECH		DRAWN - AKW	REVISED -		
	PLOT SCALE = 20	CHECKED - BRD	REVISED -		SCALE: 1"=20' | SHEET NO. 12 OF 23 SHEETS | STA. TO STA.
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	106
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT				

CABLE PLAN LEGEND

EXISTING	PROPOSED	
	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
T	T	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.
		MICROWAVE VEHICLE SENSOR
R Y G "P"	R Y G Y G "P"	SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
"E"		RAILROAD CONTROL CABINET
"E"		ILLUMINATED SIGN "NO LEFT TURN"
"E"		ILLUMINATED SIGN "NO RIGHT TURN"
H/C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
MA/P	MA/P	GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
1	1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
36	36	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM24F
#	#	COAXIAL CABLE
V	V	VENDOR SPECIFIED CABLE
		IMAGE SENSOR
		STREET LIGHT LUMINAIRE
		DOME PAN/TILT/ZOOM (PTZ) CAMERA
	UPS	UNINTERRUPTIBLE POWER SUPPLY



CABLE PLAN

NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	24		17	0.50	204
(YELLOW)	24		25	0.25	150
(GREEN)	24		15	0.25	90
ARROW	16		12	0.10	19
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	
				TOTAL =	713

ENERGY COSTS TO: VILLAGE OF SOUTH ELGIN
10 N. WATER STREET
SOUTH ELGIN, IL 60177

ENERGY SUPPLY: CONTACT: MARTY RUBIN
PHONE: (847) 608-2400
COMPANY: COM ED

FOUNDATION (DEPTH)	FT.	(m)
TYPE A - POST	4	(1.2)
D- CONTROLLER	4	(1.2)
E- M. ARM POLE		
24" (600mm)	10	(3.0)
30" (750mm)	15	(4.6)
36" (900mm)	15	(4.6)
42" (1050mm)	25	(7.6)

CABLE SLACK	FT.	(m)
HANDHOLE	6.5	(2.0)
DOUBLE HANDHOLE	13	(4.0)
SIGNAL POST	2	(1.0)
CONTROLLER CAB.	1	(0.5)
FIBER OPTIC	13	(4.0)
ELECTRIC SERVICE	1	(0.5)
GROUND CABLE	1	(0.5)

VERTICAL	FT.	(m)
ALL FOUNDATIONS	3.5	(2.0)
MAST ARM (L) POLE	20'+L-2= (6m+L-0.6m)=	
BRACKET MOUNTED	13	(4.0)
PED. PUSHBUTTON	4	(1.2)
ELECTRIC SERVICE	13.5	(4.1)
SERVICE TO GROUND	13.5	(4.1)
POST MOUNTED	6	(1.8)

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - JSH	REVISED -
	PLOT SCALE = 50	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

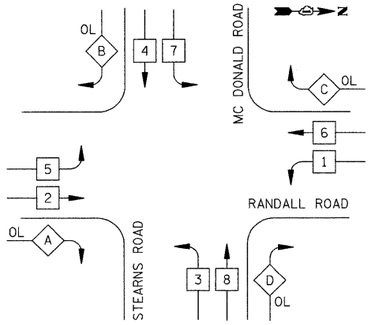
KANE COUNTY
DIVISION OF TRANSPORTATION

CABLE PLAN
RANDALL ROAD & STEARNS ROAD / MC DONALD ROAD

SCALE: N.T.S. | SHEET NO. 13 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	107
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



LEGEND

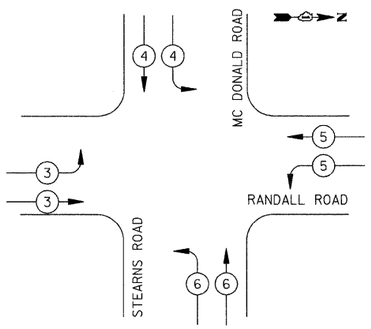
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN PHASE
- • — NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	533
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	56
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	122
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	192
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	580
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	806
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1336
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5034
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2250
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	51
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FOOT	3238
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBY AND POLE, 65 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBY AND POLE, 70 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	100
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	328
PREFORMED DETECTOR LOOP	FOOT	137
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	903
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1336
VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	1
INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
MODIFY TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1
ETHERNET HUB KIT	EACH	1

FILE NAME =

CIVILTECH

USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -	
	DRAWN - JSH	REVISED -	
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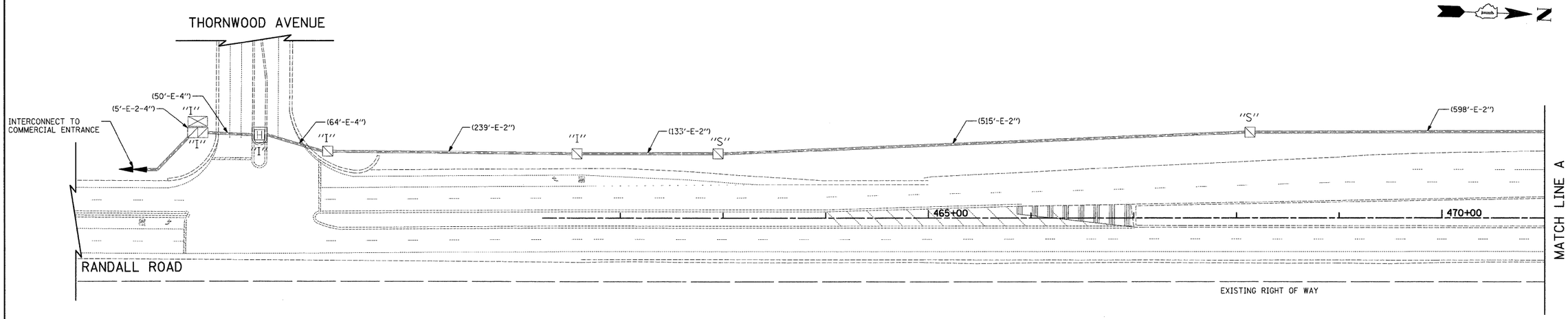
KANE COUNTY
DIVISION OF TRANSPORTATION

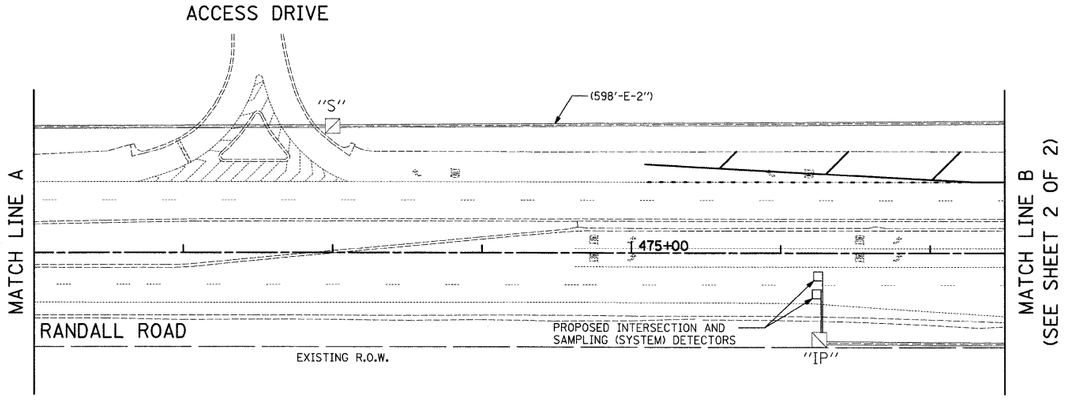
SEQUENCES & SCHEDULE OF QUANTITIES
RANDALL ROAD STEARNS ROAD / MC DONALD ROAD

SCALE: N.T.S. | SHEET NO. 14 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	108
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT





INTERCONNECT PLAN LEGEND

	EXISTING	PROPOSED
CONTROLLER	⊠	⧓
HANDHOLE	▧	◩
HEAVY DUTY HANDHOLE	▣	◨
DOUBLE HANDHOLE	▨	◪
G.S. CONDUIT IN TRENCH OR PUSHED	═══	———
DETECTOR LOOP	[ ]	□
SYSTEM	S	S
INTERSECTION	I	IP
UNIT DUCT		UD
COMMON TRENCH		CT

NOTE:
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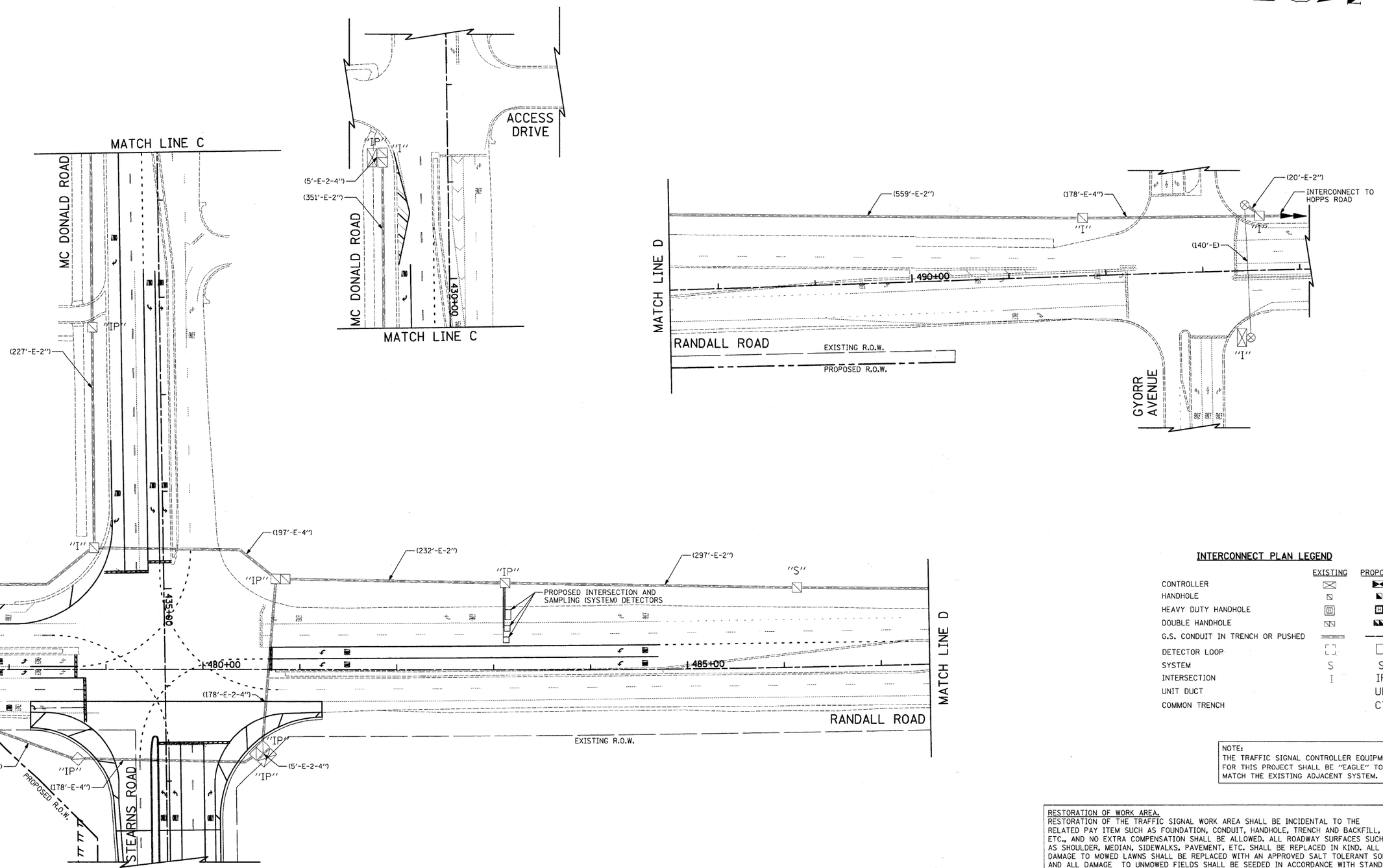
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FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 50	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

INTERCONNECT PLAN
(SHEET 1 OF 2)
RANDALL ROAD FROM THORNWOOD AVENUE TO GYORR AVENUE
SCALE: 1"=50' | SHEET NO. 15 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	109
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



INTERCONNECT PLAN LEGEND

	EXISTING	PROPOSED
CONTROLLER	⊠	⧓
HANDHOLE	▨	◪
HEAVY DUTY HANDHOLE	▣	◧
DOUBLE HANDHOLE	▨▨	◪◪
G.S. CONDUIT IN TRENCH OR PUSHED	═══	———
DETECTOR LOOP	⌈⌉	□
SYSTEM	S	S
INTERSECTION	I	IP
UNIT DUCT		UD
COMMON TRENCH		CT

NOTE:
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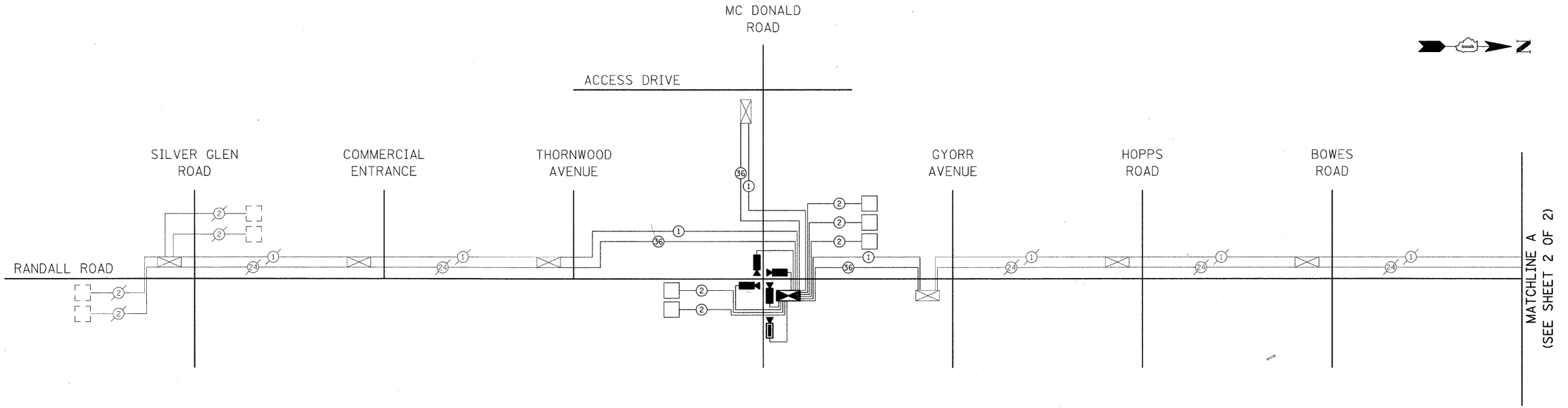
CIVILTECH

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PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -	

KANE COUNTY
DIVISION OF TRANSPORTATION

INTERCONNECT PLAN
(SHEET 2 OF 2)
RANDALL ROAD FROM THORNWOOD AVENUE TO GYORR AVENUE
SCALE: 1"=50' | SHEET NO. 16 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	110
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



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)
- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F (36)
- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F (36)
- EXISTING VIDEO DETECTION CAMERA
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING PTZ CAMERA
- PROPOSED PTZ CAMERA

INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3776
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5410
REOPTIMIZE TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5482
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	3776

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
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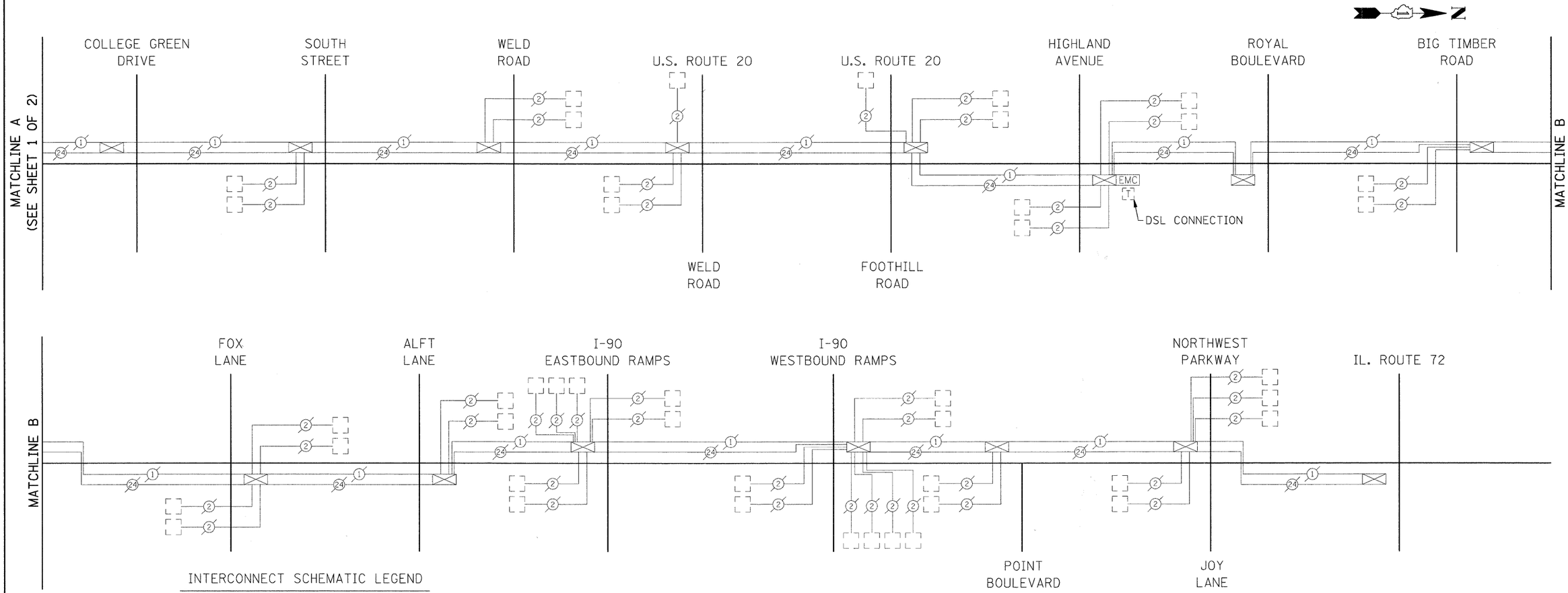
KANE COUNTY
DIVISION OF TRANSPORTATION

INTERCONNECT SCHEMATIC
(SHEET 1 OF 2)
RANDALL ROAD

SCALE: N.T.S. | SHEET NO. 17 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	111
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT



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
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- EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS (P)
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- EXISTING PTZ CAMERA
- PROPOSED PTZ CAMERA

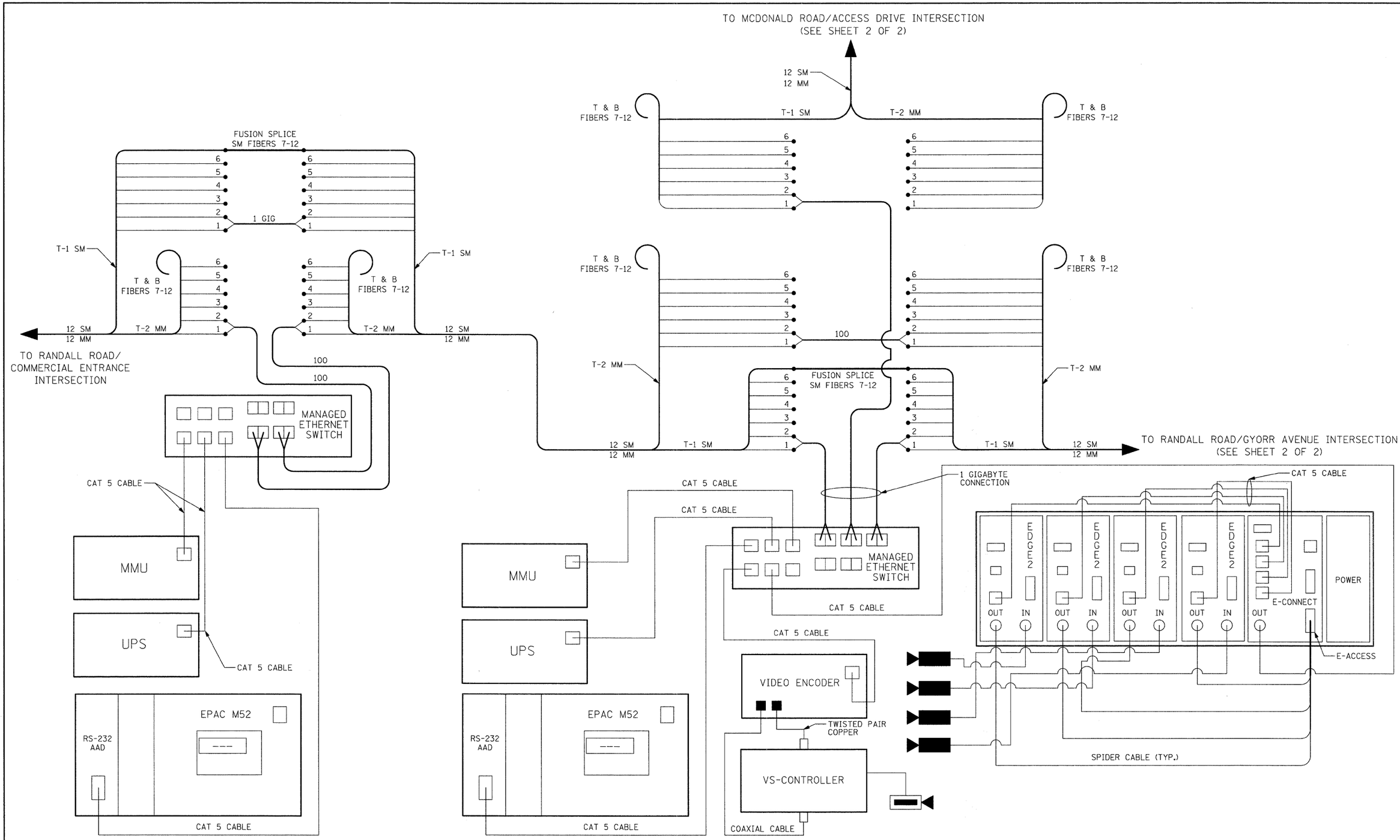
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KANE COUNTY
DIVISION OF TRANSPORTATION

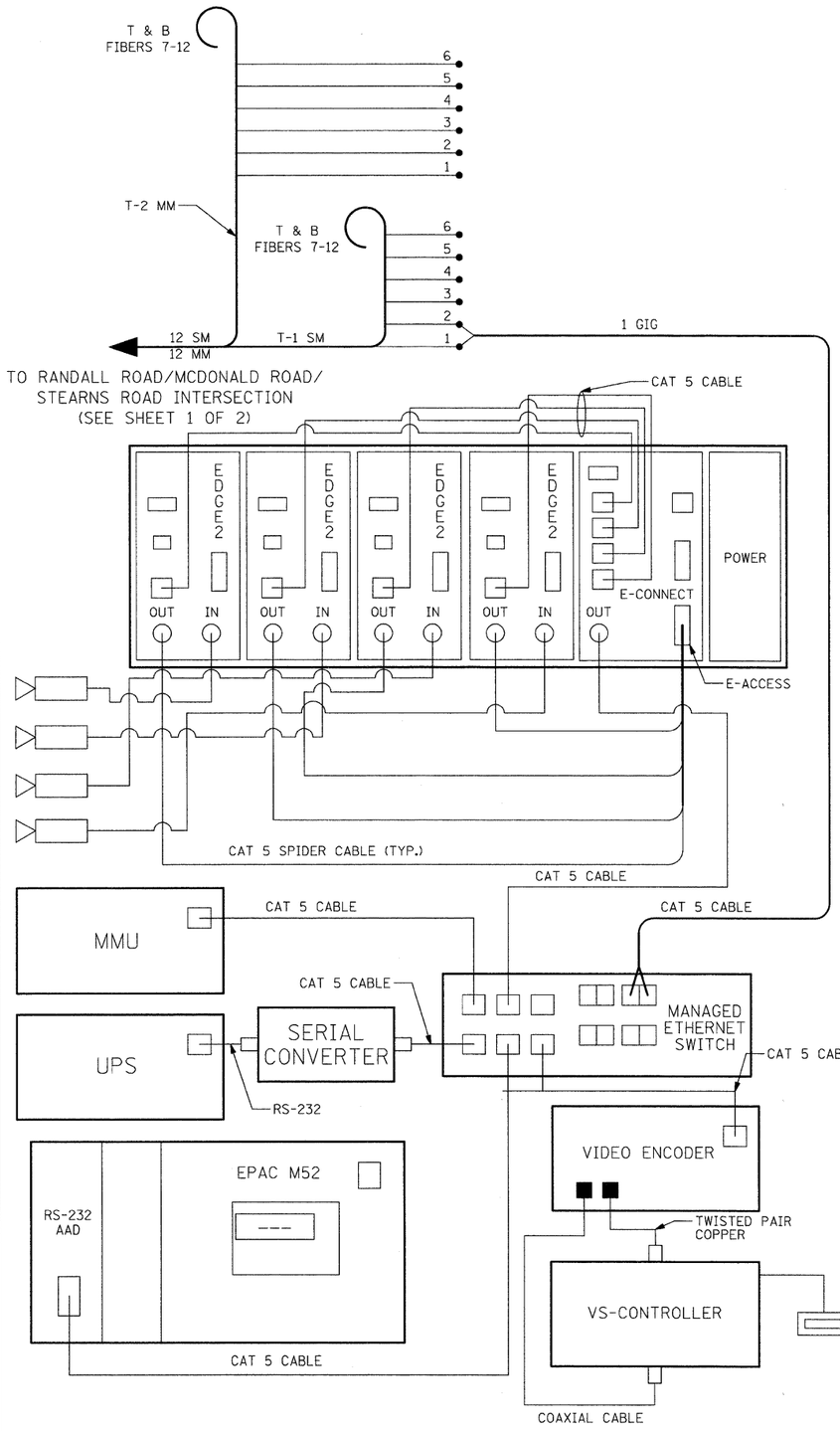
INTERCONNECT SCHEMATIC (SHEET 2 OF 2)
RANDALL ROAD

SCALE: N.T.S. | SHEET NO. 18 OF 23 SHEETS | STA. | TO STA.

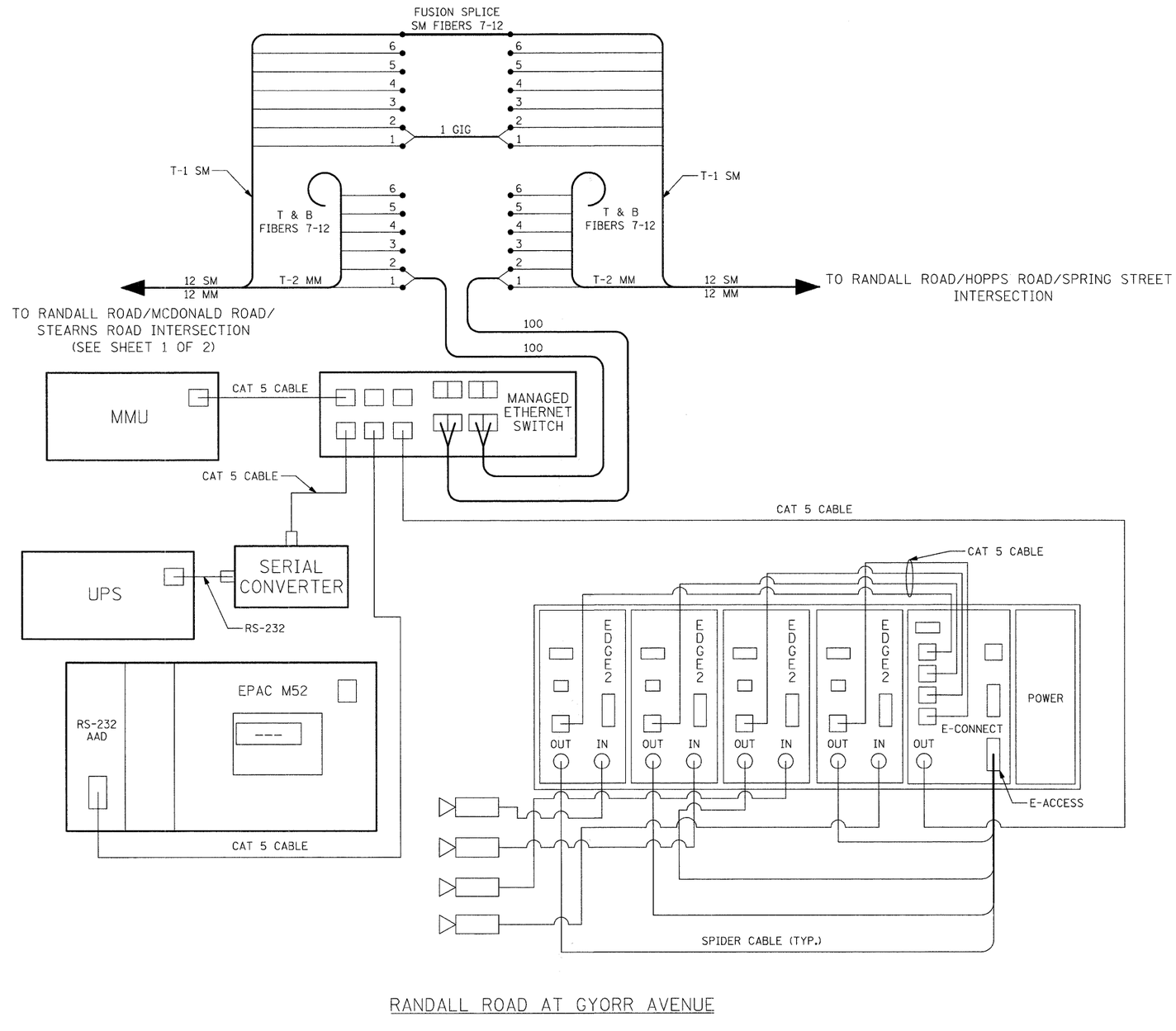
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	112
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -	**KANE COUNTY DIVISION OF TRANSPORTATION**	**ETHERNET SYSTEM SCHEMATIC (SHEET 1 OF 2) RANDALL ROAD**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CIVILTECH		DRAWN - CEC	REVISED -			361	06-00214-25-BR	KANE	220	113
	PLOT SCALE = 50	CHECKED - BRD	REVISED -						CONTRACT NO. 63076	
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -		SCALE: N.T.S. SHEET NO. 19 OF 23 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



MCDONALD ROAD AT ACCESS DRIVE



RANDALL ROAD AT GYORR AVENUE

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - CEC	REVISED -
	PLOT SCALE = 50	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

ETHERNET SYSTEM SCHEMATIC
(SHEET 2 OF 2)
RANDALL ROAD

SCALE: N.T.S. | SHEET NO. 19 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	114
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

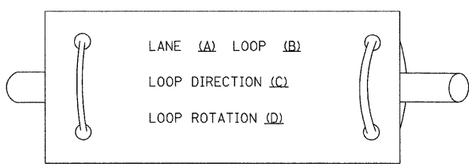
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

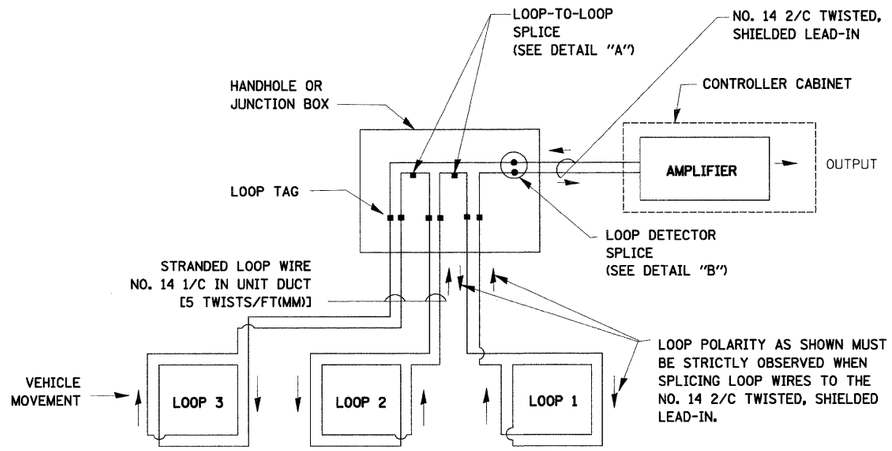


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

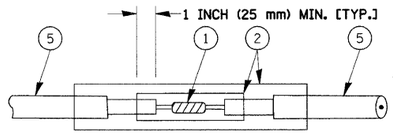
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

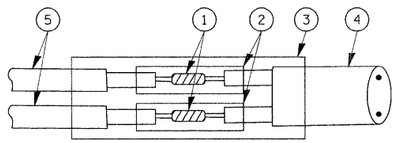


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

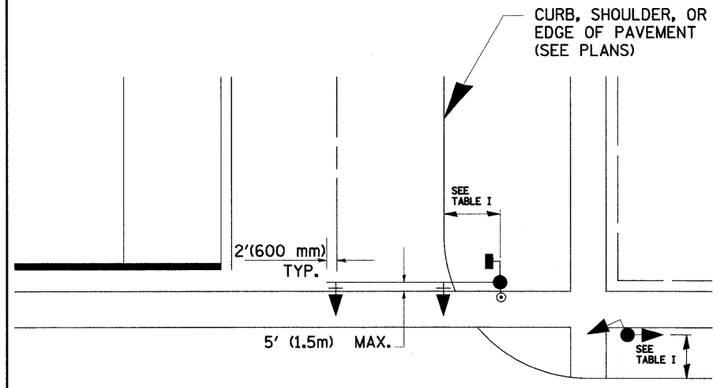
(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

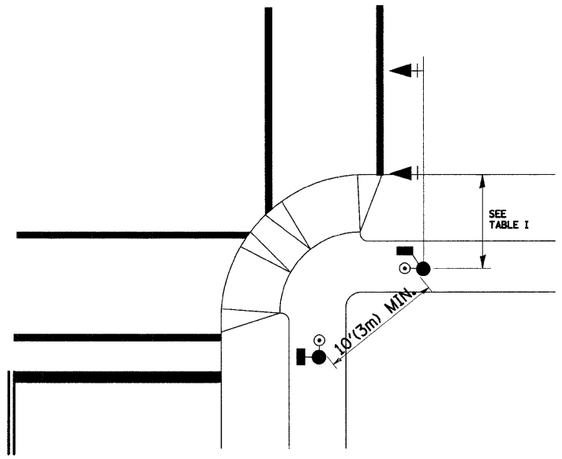
FILE NAME =	CIVILTECH	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - RWP	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 1 OF 4)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - DAD	REVISED -					361	06-00214-25-BR	KANE	220	115
		PLOT SCALE = 50	CHECKED - DAZ	REVISED -							CONTRACT NO. 63076		
		PLOT DATE = 3/24/2009	DATE - 1/1/2002	REVISED -		SCALE: N.T.S.	SHEET NO. 20 OF 23 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION. EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

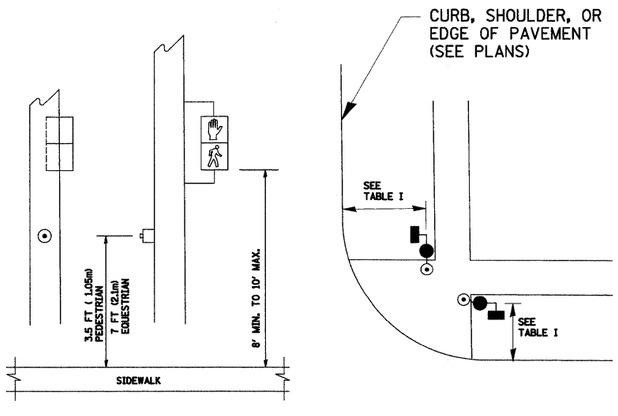


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

FILE NAME =

CIVILTECH

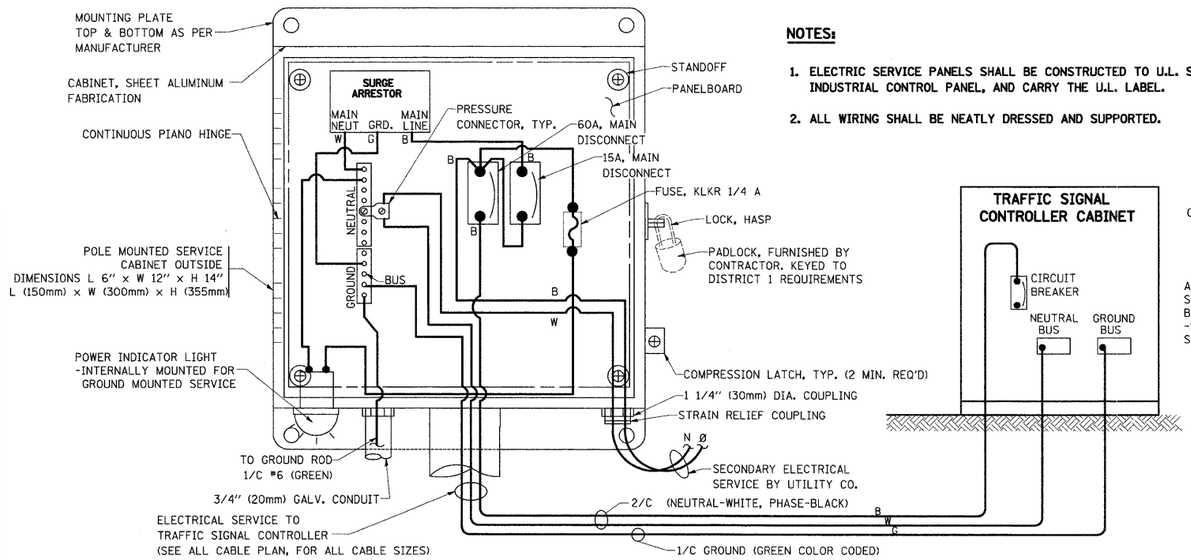
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	DRAWN - DAD	REVISED -	
PLOT SCALE = 50	CHECKED - DAZ	REVISED -	
PLOT DATE = 3/24/2009	DATE - 1/1/2002	REVISED -	

KANE COUNTY
DIVISION OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 2 OF 4)

SCALE: N.T.S. | SHEET NO. 21 OF 23 SHEETS | STA. | TO STA.

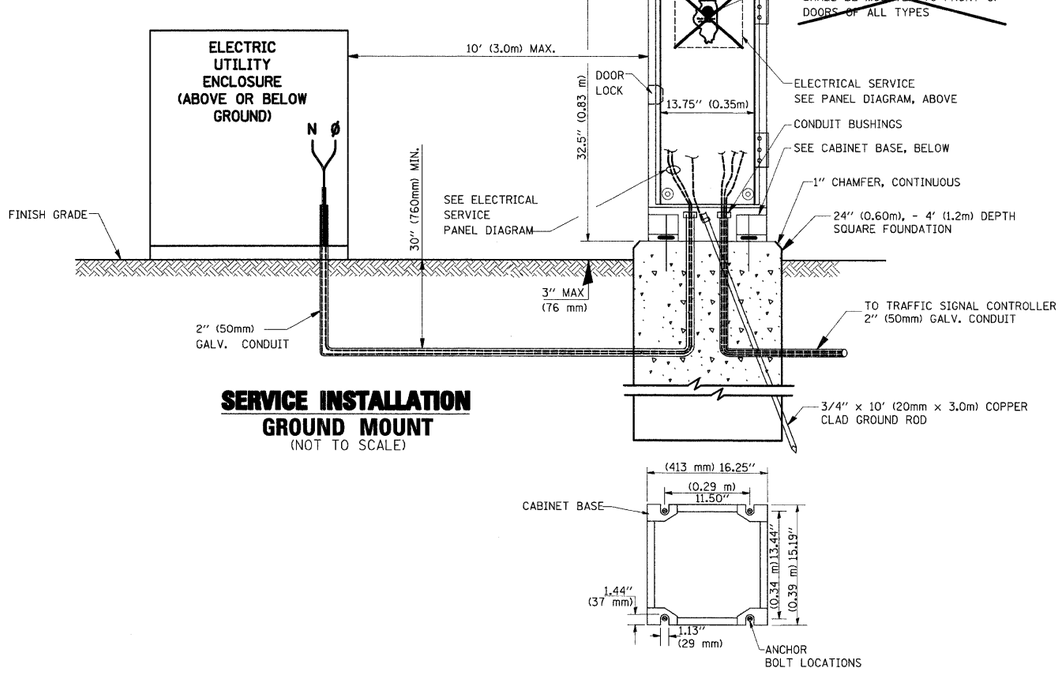
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	116
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



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

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT

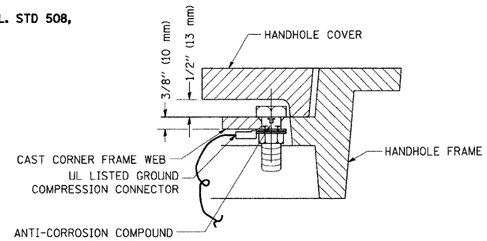
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CABINET – BASE BOLT PATTERN

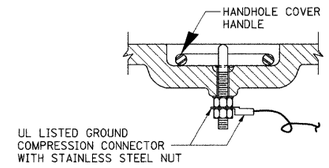
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NOTES:

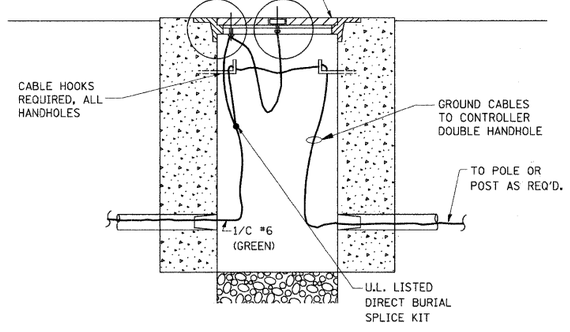
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



DETAIL "A"

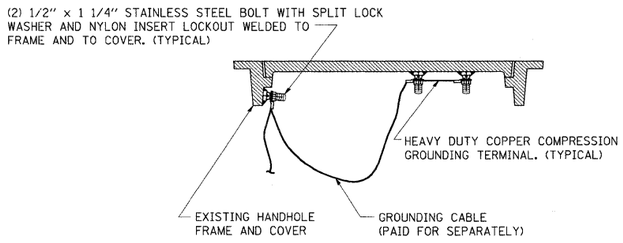


DETAIL "B"



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



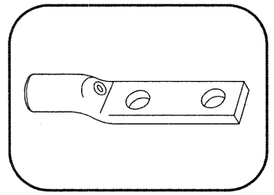
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

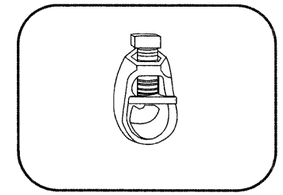
NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



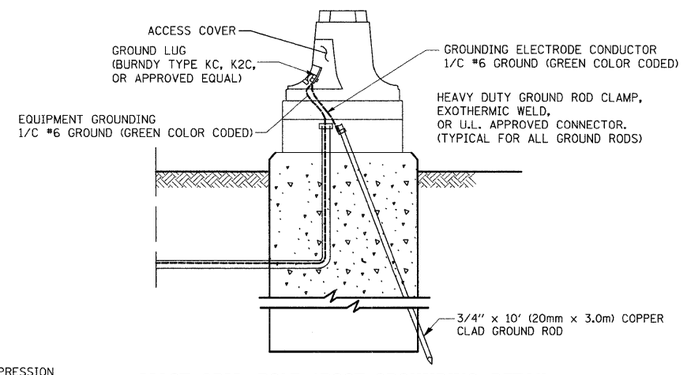
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EUAL)

NOTES:

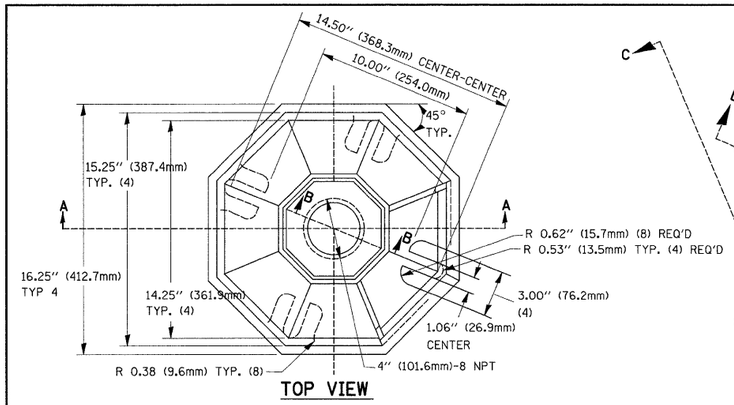
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



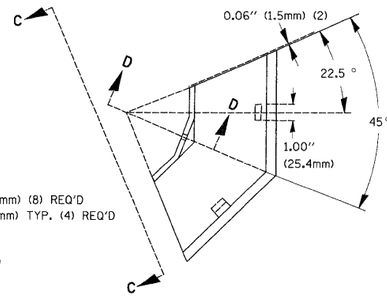
MAST ARM POLE / POST–GROUNDING DETAIL

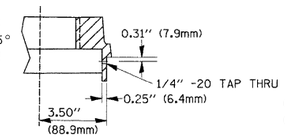
(NOT TO SCALE)

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - RQP	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 3 OF 4)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CIVILTECH		DRAWN - DAD	REVISED -			361	06-00214-25-BR	KANE	220	117
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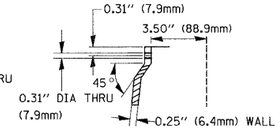


TOP VIEW

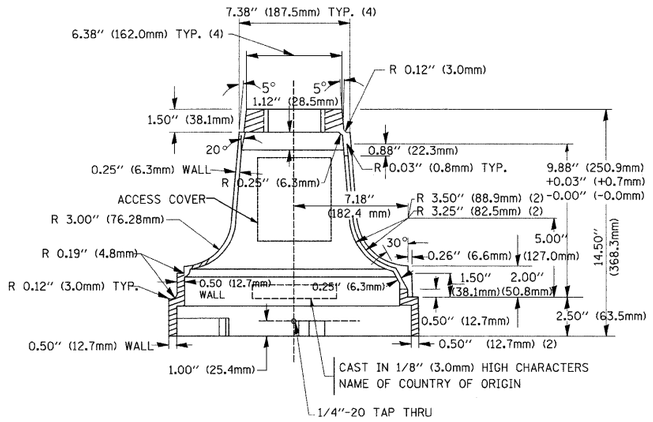




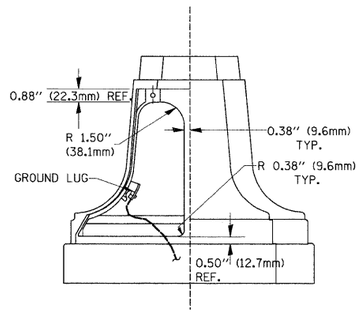
SECTION B-B



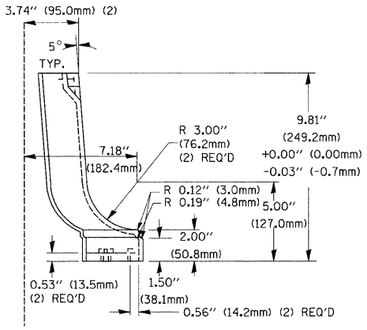
SECTION D-D



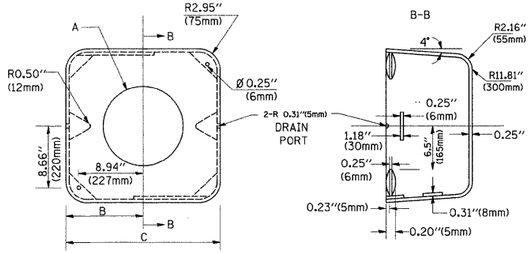
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

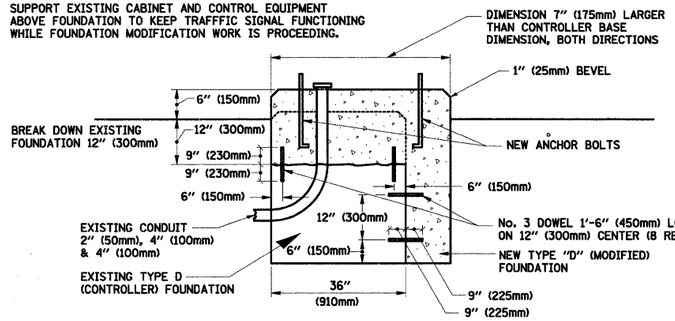


MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125"(257mm)	9.5"(241mm)	19"(483mm)	12" (300mm)	24kg
II	Ø 11.125"(283mm)	10.75"(273mm)	21.5"(546mm)	12" (300mm)	26kg

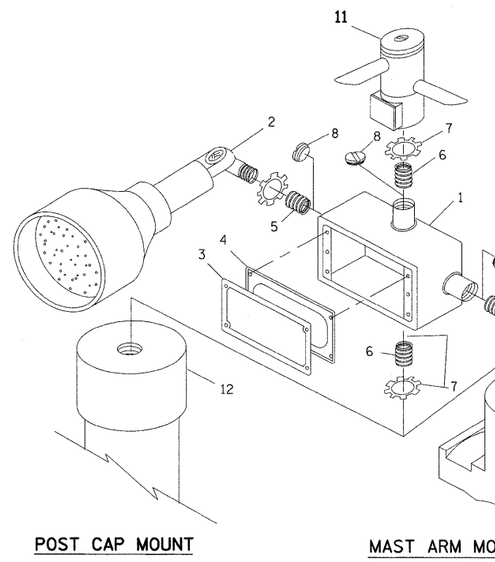
SHROUD DETAIL

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



POST CAP MOUNT

MAST ARM MOUNT

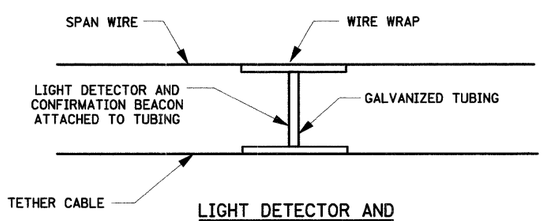
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

NOTES:

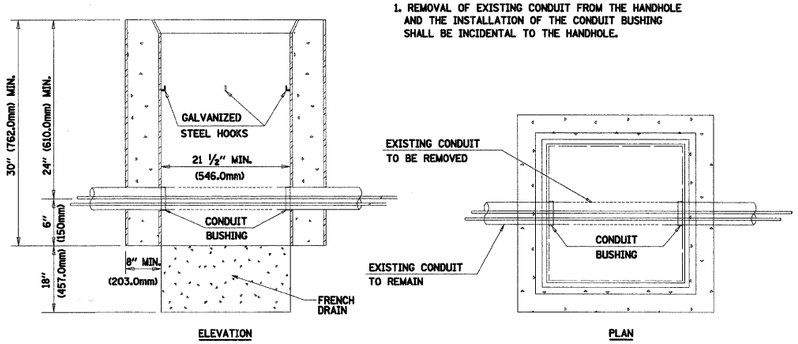
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

NOTES:
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION

PLAN

DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT

N.T.S.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - RWP	REVISED -
CIVILTECH		DRAWN - DAD	REVISED -
	PLOT SCALE = 50	CHECKED - DAZ	REVISED -
	PLOT DATE = 3/24/2009	DATE - 1/1/2002	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 4 OF 4)

SCALE: N.T.S. | SHEET NO. 23 OF 23 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	118
		CONTRACT NO. 63076		

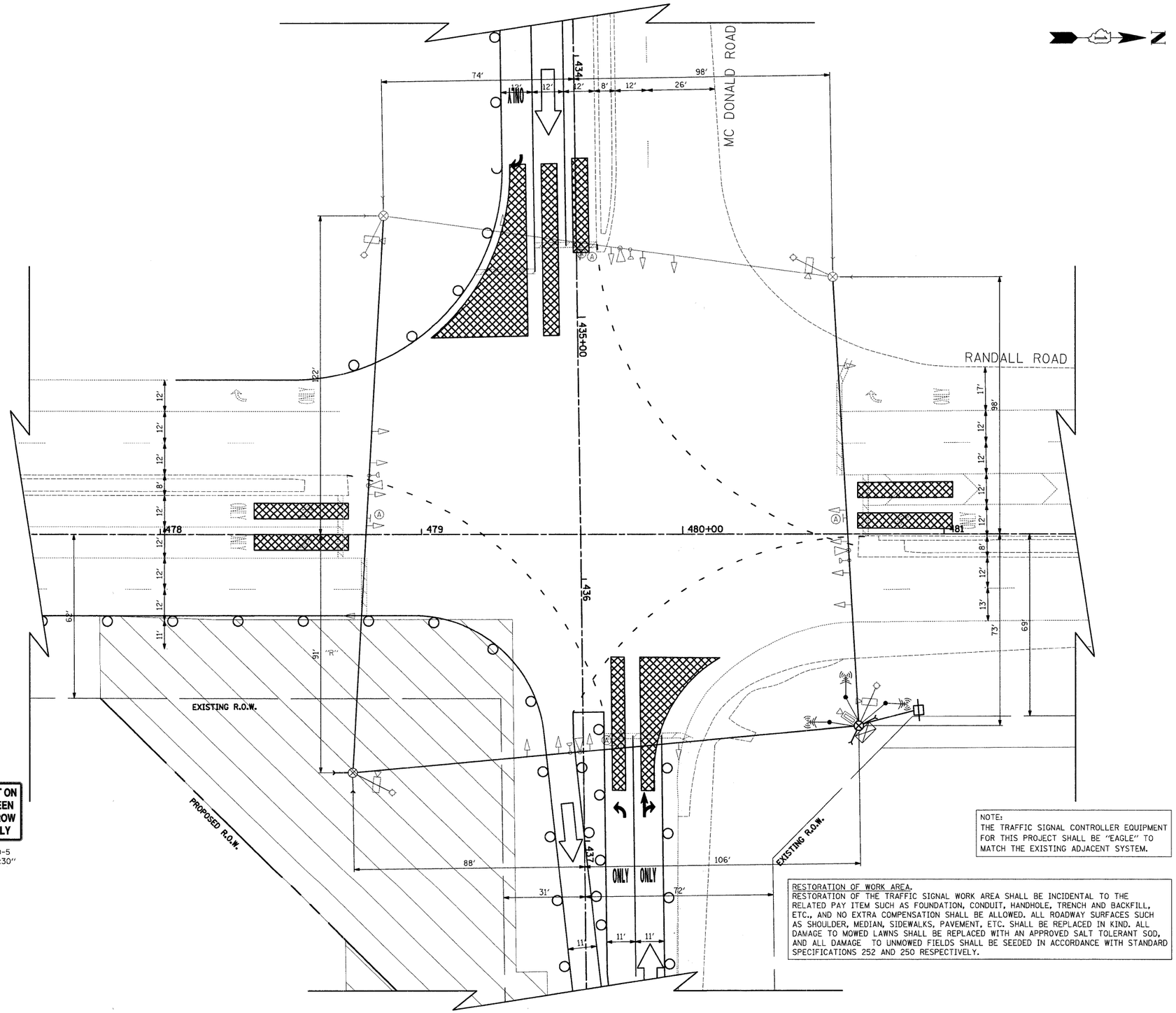
FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

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 (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE DETECTOR
- PTZ CAMERA
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH — CT
- UNIT DUCT — UD
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE — H
- TEMPORARY DETECTION ZONE
- ETHERNET RADIO ANTENNA

NOTES FOR TEMPORARY TRAFFIC SIGNALS

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7. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED AND LAID OUT IN THE FIELD BY THE MANUFACTURER'S TECHNICIAN AS APPROVED BY THE ENGINEER.



NOTE:
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RESTORATION OF WORK AREA.
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FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL STAGING PLAN – STAGES 2A & 2B
STEARNS ROAD

SCALE: 1"=20' | SHEET NO. 3 OF 23 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	119
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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 (13.7m) MINIMUM	⊗
TEMPORARY CONTROLLER CABINET	⊠
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	—
TEMPORARY SERVICE INSTALLATION	⊣⊢
TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED	▮
TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR	◉
VIDEO VEHICLE DETECTOR	▬
PTZ CAMERA	▭
EMERGENCY VEHICLE LIGHT DETECTOR	◀
CONFIRMATION BEACON	●
VEHICLE DETECTOR, INDUCTION LOOP	□
COMMON TRENCH	CT
UNIT DUCT	UD
G.S. CONDUIT IN TRENCH OR PUSHED	———
HANDHOLE	◪
HEAVY-DUTY HANDHOLE	H
TEMPORARY DETECTION ZONE	▨
ETHERNET RADIO ANTENNA	→≋

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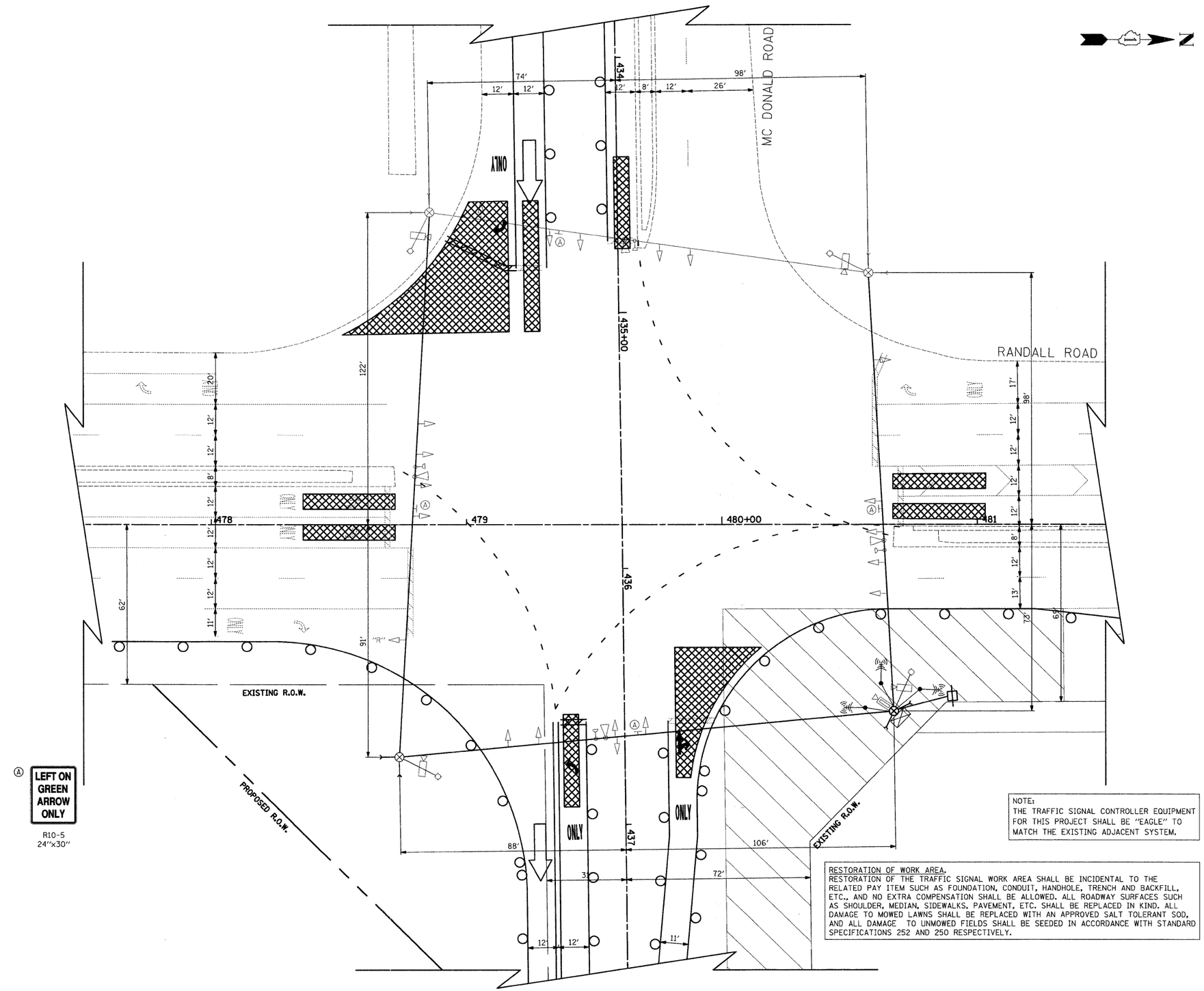
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FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL STAGING PLAN – STAGES 3A & 3B
STEARNS ROAD

SCALE: 1"=20' | SHEET NO. 4 OF 23 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	120
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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 (13.7m) MINIMUM	⊗
TEMPORARY CONTROLLER CABINET	⊠
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	—
TEMPORARY SERVICE INSTALLATION	⊟
TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED	▮
TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR	◉
VIDEO VEHICLE DETECTOR	▬
PTZ CAMERA	▭
EMERGENCY VEHICLE LIGHT DETECTOR	◀
CONFIRMATION BEACON	●
VEHICLE DETECTOR, INDUCTION LOOP	□
COMMON TRENCH	CT
UNIT DUCT	UD
G.S. CONDUIT IN TRENCH OR PUSHED	———
HANDHOLE	◥
HEAVY-DUTY HANDHOLE	H
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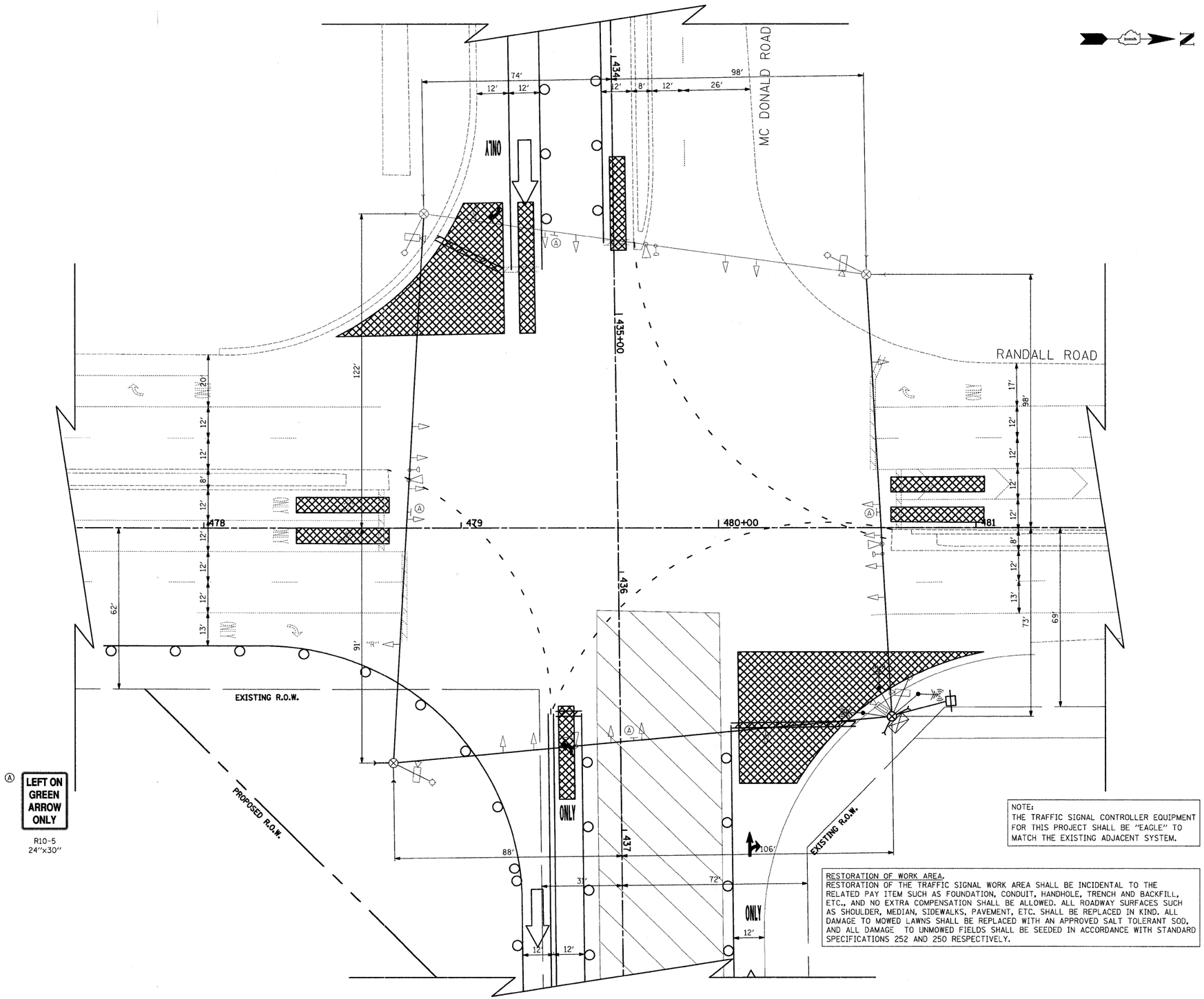
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FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL STAGING PLAN – STAGE 4A
STEARNS ROAD

SCALE: 1"=20' | SHEET NO. 5 OF 23 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	121
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL LEGEND

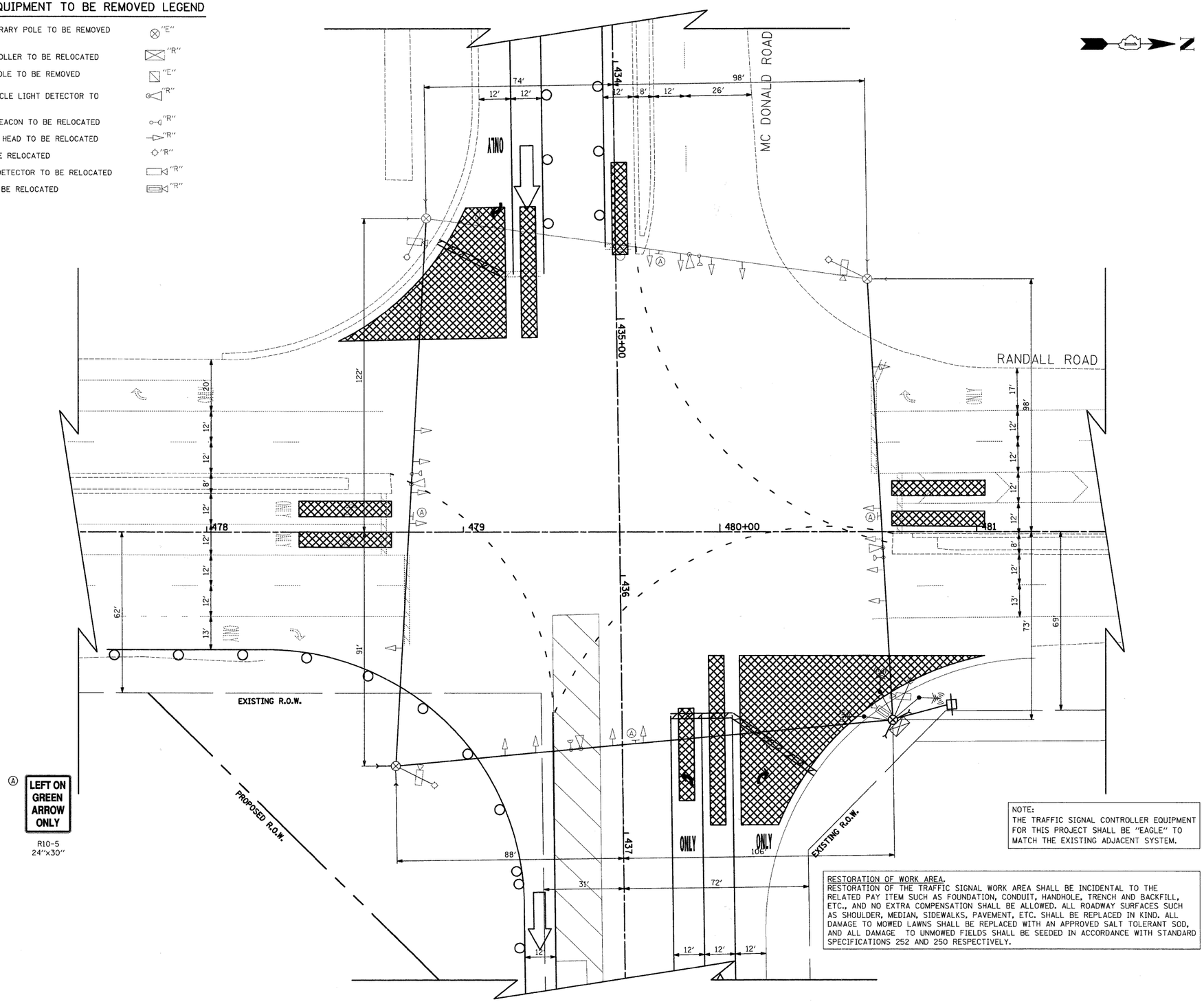
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- PTZ CAMERA
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- UNIT DUCT — UD
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE — H
- TEMPORARY DETECTION ZONE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING TEMPORARY POLE TO BE REMOVED — "E"
- EXISTING CONTROLLER TO BE RELOCATED — "R"
- EXISTING HANDHOLE TO BE REMOVED — "E"
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE RELOCATED — "R"
- CONFIRMATION BEACON TO BE RELOCATED — "R"
- TRAFFIC SIGNAL HEAD TO BE RELOCATED — "R"
- LUMINAIRE TO BE RELOCATED — "R"
- VIDEO VEHICLE DETECTOR TO BE RELOCATED — "R"
- PTZ CAMERA TO BE RELOCATED — "R"

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7. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED AND LAID OUT IN THE FIELD BY THE MANUFACTURER'S TECHNICIAN AS APPROVED BY THE ENGINEER.



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "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 SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME =	USER NAME = CIVILTECH ENGINEERING, INC.	DESIGNED - JSH	REVISED -
CIVILTECH		DRAWN - AKW	REVISED -
	PLOT SCALE = 20	CHECKED - BRD	REVISED -
	PLOT DATE = 3/24/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL STAGING PLAN – STAGE 4B
STEARNS ROAD

SCALE: 1"=20' | SHEET NO. 6 OF 23 SHEETS | STA. TO STA.

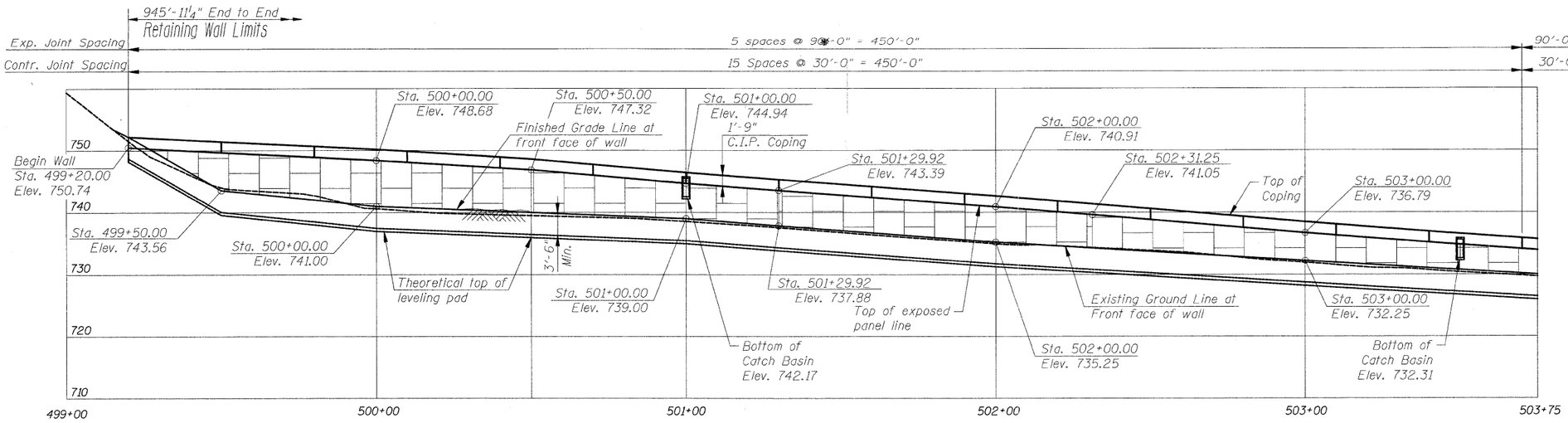
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	122
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

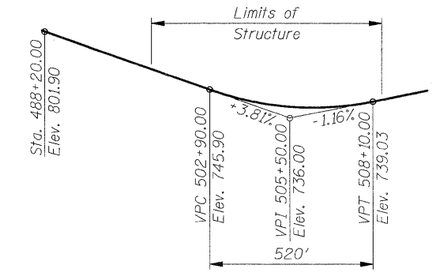
Bench Mark: BM-15 - "Aluminum Disk" set in concrete at the southwest corner of IL Route 31 and McLean Boulevard. Elev. 716.31
Existing Structure: None

SHEET W1 OF W7

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	123
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076





PROPOSED PROFILE GRADE STEARNS ROAD

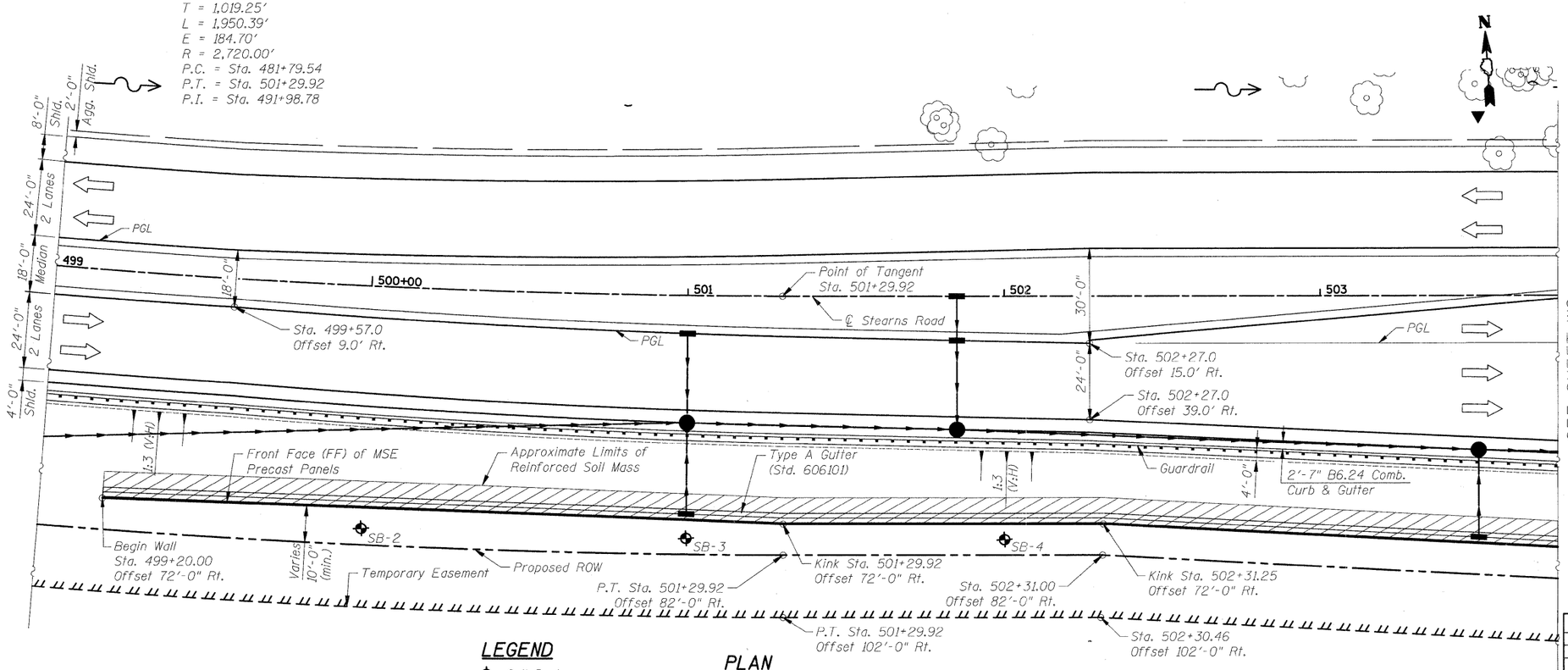
(Along PGL)

ELEVATION

(looking North)

CURVE DATA

Δ = 41° 05' 03" (LT)
D = 2° 06' 23"
T = 1,019.25'
L = 1,950.39'
E = 184.70'
R = 2,720.00'
P.C. = Sta. 481+79.54
P.T. = Sta. 501+29.92
P.I. = Sta. 491+98.78



PLAN

SEE SHEET W2

LEGEND

- Soil Borings
- Proposed ROW
- Temporary Easement
- Prop. Storm Sewer
- Drainage Arrow

GENERAL NOTE

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

STATE OF ILLINOIS
GREGORY J. HATLESTAD
081-005562
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

GREGORY J. HATLESTAD, S.E.
081-005562
EXP 11/30/10
DATE 3/30/09

INDEX OF SHEETS

W1 General Plan I
W2 General Plan II
W3 Sections & Details
W4 Soil Boring Logs I
W5 Soil Boring Logs II
W6 Soil Boring Logs III
W7 Soil Boring Logs IV

TOTAL BILL OF MATERIAL

	ITEM	UNIT	TOTAL
*	Porous Granular Embankment, Special	Cu. Yd.	594
	Structure Excavation	Cu. Yd.	2,260
*	Form Liner Textured Surface	Sq. Ft.	8,289
*	Biaxial Geogrid	Sq. Ft.	887
*	Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	8,289

*See Special Provision

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

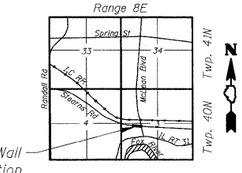
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 4,500 psi (Precast Panels)



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN I

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

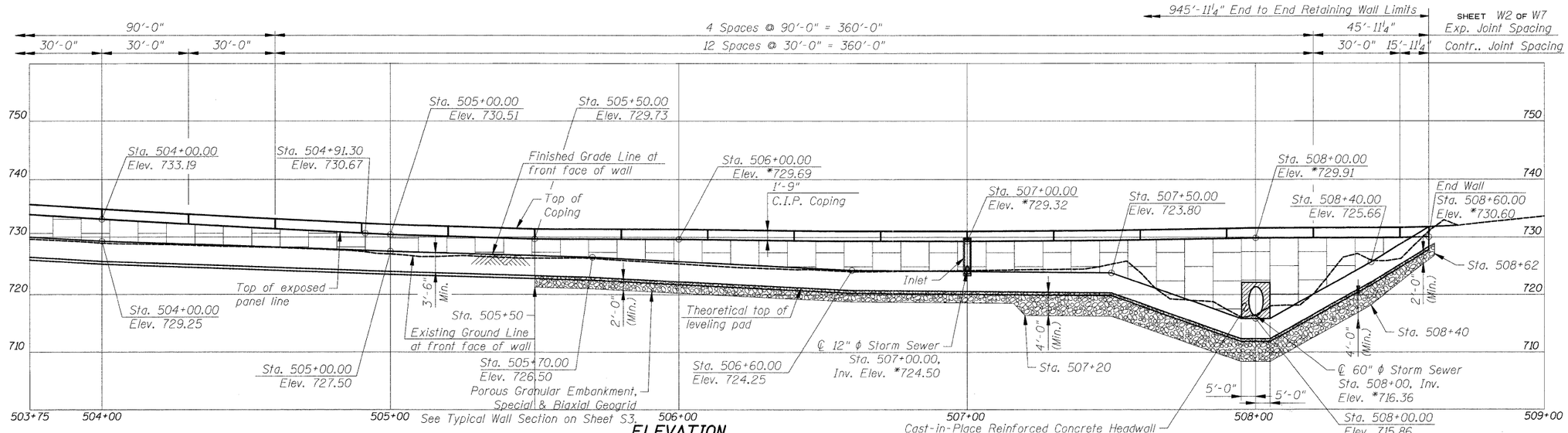
SCALE: None DRAWN BY: M. Lange
DATE: March 30, 2009 CHECKED BY: G. Hatlestad

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Tel: 630.773.3900 Fax: 630.773.3975
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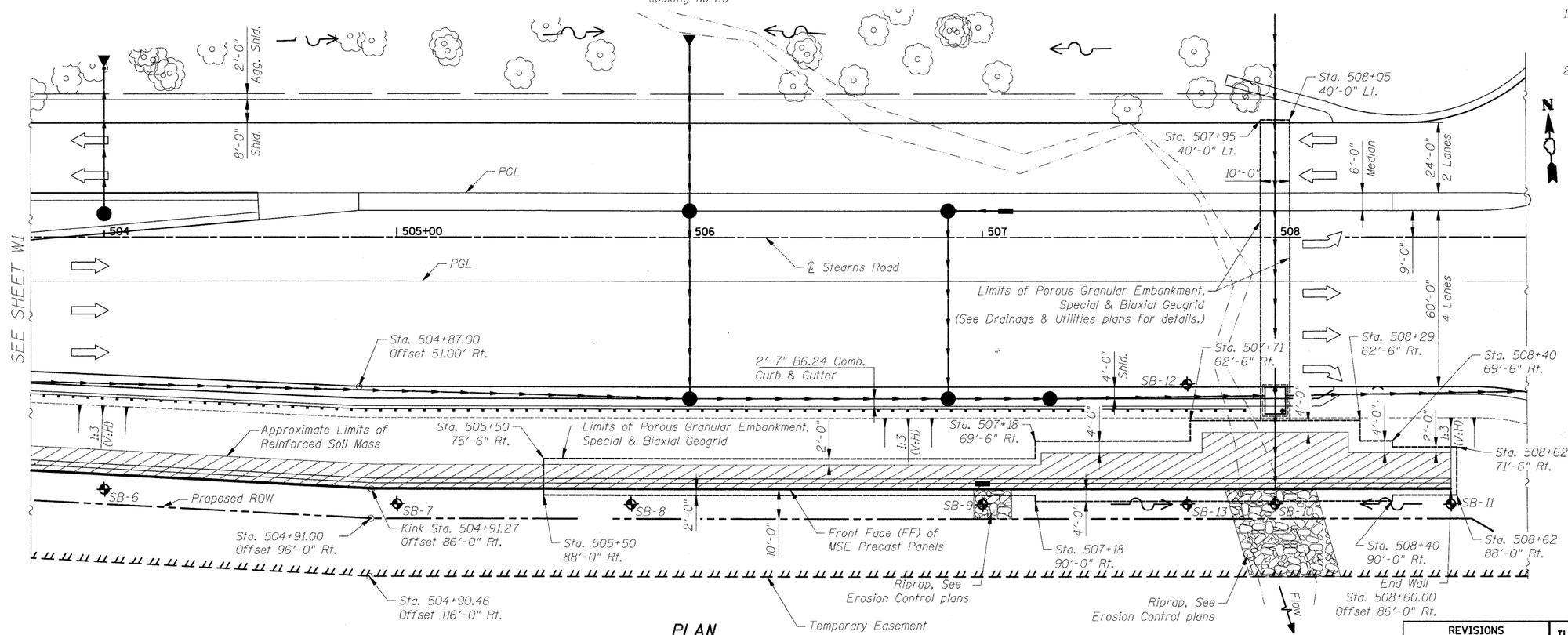
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	124
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

Contract # 63076



ELEVATION

(looking North)



PLAN

Notes:

1. Panels must be arranged to provide continuous vertical joints for the full height of the wall to accommodate potential differential settlement.
2. * - indicates that the elevations have been adjusted for the anticipated settlement of approximately 6 inches.

LEGEND

- Soil Borings
- Proposed ROW
- Temporary Easement
- Prop. Storm Sewer
- Drainage Arrow

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN II

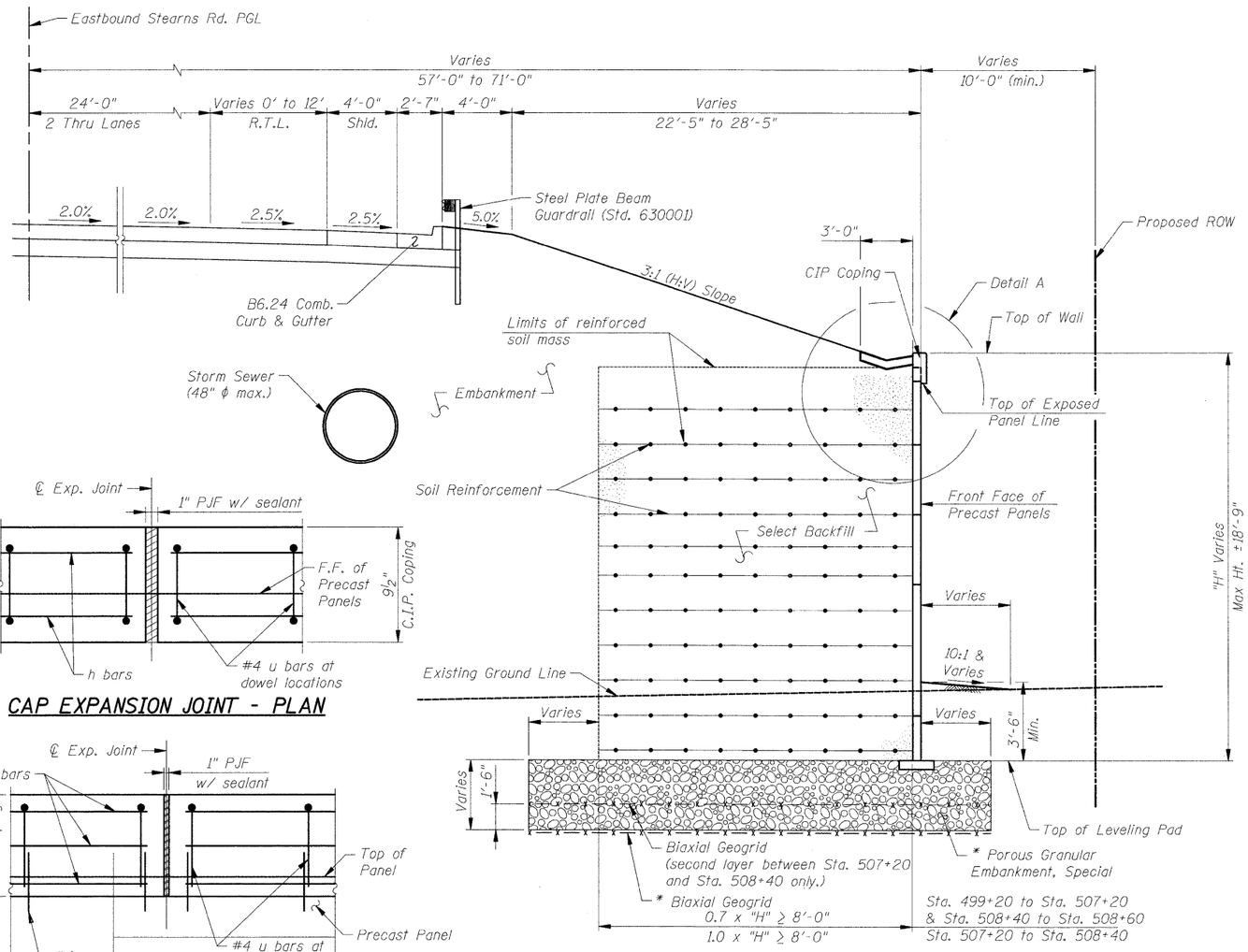
STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: None DRAWN BY: M. Lange
DATE: March 30, 2009 CHECKED BY: G. Hatlestad

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	125
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076

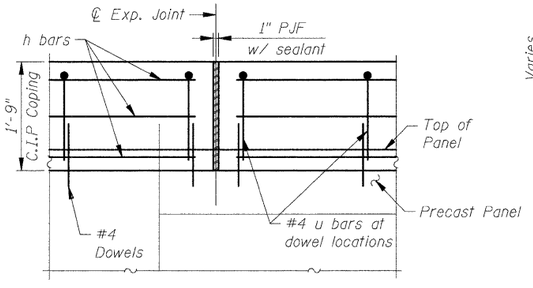


TYPICAL WALL SECTION

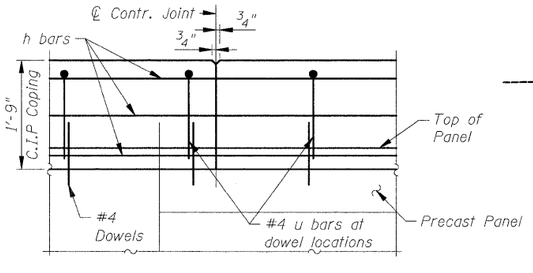
(Looking East)

* - Occurs only between Station 505+50 and 508+62

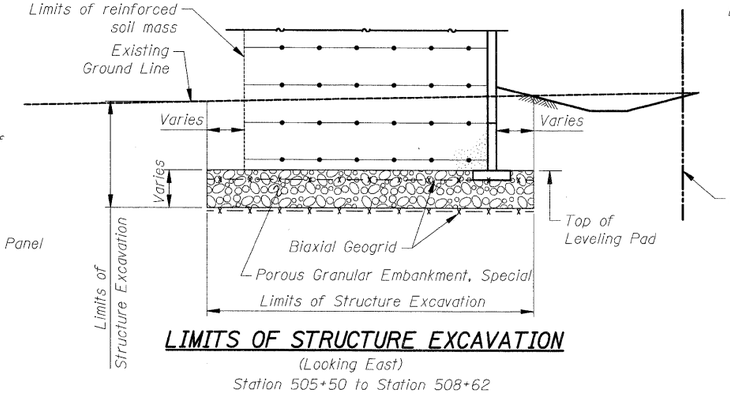
CAP EXPANSION JOINT - PLAN



CAP EXPANSION JOINT - ELEVATION



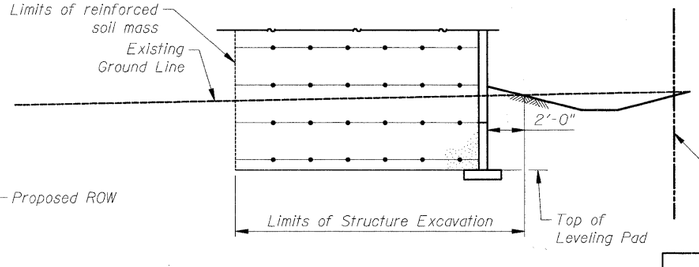
CAP CONTRACTION JOINT - ELEVATION



LIMITS OF STRUCTURE EXCAVATION

(Looking East)

Station 505+50 to Station 508+62



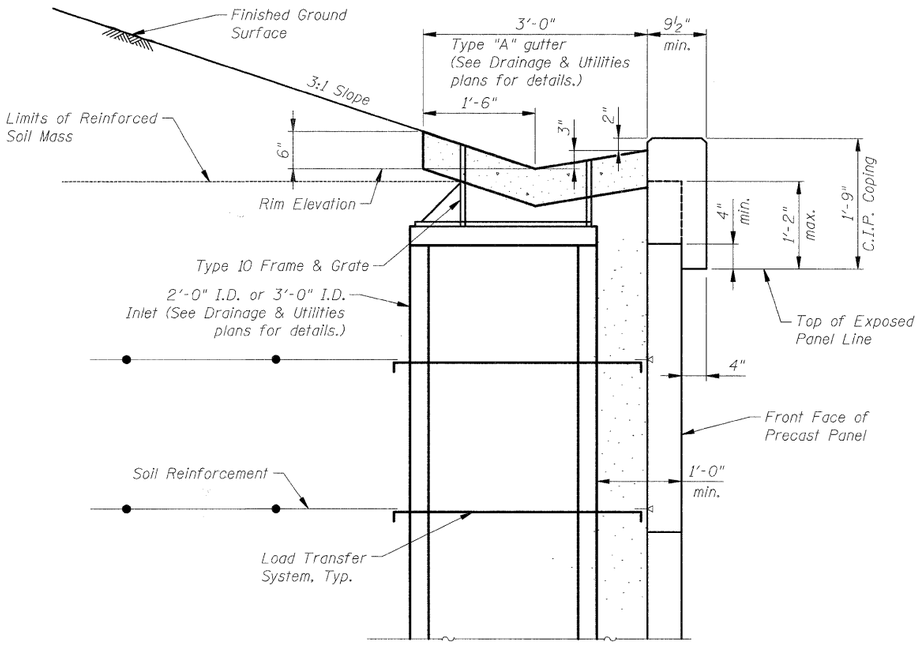
LIMITS OF STRUCTURE EXCAVATION

(Looking East)

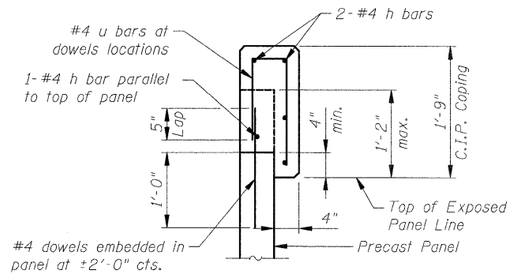
Station 499+20 to Station 505+50

Notes:

1. Neither the construction of the CIP Coping, Type "A" Gutter nor the roadway pavement shall not begin until after the roadway embankment and retaining wall have been in place for 5 months, at which time two thirds of the anticipated settlement of 6 inches is assumed to have occured, without prior approval of the Engineer.
2. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.



DETAIL A



CAST IN PLACE COPING

Notes: All edges shall have ¾" chamfer.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTIONS & DETAILS

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: None DRAWN BY: M. Lange

DATE: March 30, 2009 CHECKED BY: G. Hatlestad

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	126
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/12/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-2
STATION 500+00
OFFSET 77' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

GROUND SURFACE EL. 740.0	Depth M (Ft)	N/6"	Qu tsf	W %
Grey Crushed Limestone Screenings over CA-06: FILL		9 8 10	4.0 P	15
Brown to Brown and Grey CLAY, A-6, very stiff to hard: FILL	1			
	(5)	4 8 12	4.26 B	10
	2	10 12 26	6.59 BS	15
few Sand pockets throughout	3 (10)	10 12 12	4.5+ P	11
		12 19 30	4.5+ P	10
End of Boring @ 12.5'	4 (15)			
	5			
	6 (20)			
	7 (25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%) ST- Shelby tube sample

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/12/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-3
STATION 501+00
OFFSET 77' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

GROUND SURFACE EL. 738.0	Depth M (Ft)	N/6"	Qu tsf	W %
Grey Crushed Limestone, CA-06: FILL				
Brown CLAY, A-6, hard: FILL		9 10 12	8.14 BS	12
Grey CLAY, A-6, hard: FILL	1			
	(5)	6 8 12	2.71 S	8
	2	22 10 13	4.5+ P	9
few interbedded Sand pockets	3 (10)	8 9 10	3.68 B	20
		6 10 12	3.80 B	9
End of Boring @ 12.5'	4 (15)			
	5			
	6 (20)			
	7 (25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%) ST- Shelby tube sample

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-4
STATION 502+00
OFFSET 77' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

GROUND SURFACE EL. 735.0	Depth M (Ft)	N/6"	Qu tsf	W %
Grey Crushed Limestone, CA-06: FILL				
Grey CLAY, hard, A-6: FILL		50/3"	-	2
	1			
	(5)	13 18 19	4.03 S	7
few interbedded Sand pockets	2	19 13 16	3.91 S	6
Grey Sandy LOAM, A-2-4, dense: FILL	3 (10)	33 18 15	-	9
		10 13 13	-	9
End of Boring @ 12.5'	4 (15)			
	5			
	6 (20)			
	7 (25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf) W- Water Content-percentage of oven dry weight (%) ST- Shelby tube sample

Type failure: B- Bulge Failure S- Shear Failure E- Estimated Value P-Penetrometer

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS I

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: *None* DRAWN BY: *C. Cooney*
DATE: *March 30, 2009* CHECKED BY: *G. Hatlestad*

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450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	127
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-6
STATION 504+00
OFFSET 86' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %	Depth	M (Ft)	N/6"	Qu tsf	W %
	GROUND SURFACE EL. 729.0								
	Grey Crushed Limestone, CA-06: FILL	20 16 18	-	3					
	Grey CLAY, A-6, very stiff: FILL				7				
1		9 12 16	3.0 P	10					
(5)					(25)				
2		8 12 15	2.79 B	16	8				
3		3 5 6	2.95 B	19	9				
(10)					(30)				
	Limestone Cobble @ 12.0'	10 23 10	2.17 B	21	10				
	End of Boring @ 12.5'								
4									
(15)					(35)				
5					11				
					12				
6									
(20)					(40)				

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-7
STATION 505+00
OFFSET 91' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %	Depth	M (Ft)	N/6"	Qu tsf	W %
	GROUND SURFACE EL. 727.0								
	Grey Crushed Limestone, CA-06: FILL	18 26 30	-	5					
	Grey CLAY, A-6: FILL				7				
1		14 33 28	4.5+ P	7					
(5)					(25)				
2		8 12 15	4.88 B	13	8				
3	Limestone Cobble or Boulder @ 9.0'	4 22 28	2.56 B	18	9				
(10)					(30)				
		8 10 10	2.71 B	18	10				
	End of Boring @ 12.5'								
4									
(15)					(35)				
5					11				
					12				
6									
(20)					(40)				

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-8
STATION 505+80
OFFSET 91' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %	Depth	M (Ft)	N/6"	Qu tsf	W %
	GROUND SURFACE EL. 725.0								
	Grey Crushed Limestone, CA-06: FILL	24 22 12	-	10					
	Brown CLAY, A-6, hard: FILL				7				
1		4 8 11	4.5+ P	11					
(5)					(25)				
2	Grey CLAY, A-6, very stiff to stiff: FILL	4 5 7	1.86 B	11	8				
3		3 3 3	1.67 B	14	9				
(10)					(30)				
		3 3 3	1.74 B	15	10				
4									
(15)	interbedded Sand pockets, very stiff, very moist	2 2 3	1.43 B	12	(35)				
5		3 4 5	2.0 P	15	11				
	End of Boring @ 17.5'								
6					12				
(20)					(40)				

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS II

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: *None* DRAWN BY: *C. Cooney*
DATE: *March 30, 2009* CHECKED BY: *G. Hatlestad*

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	128
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-9
STATION 507+00
OFFSET 91' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %
GROUND SURFACE EL. 724.0				
Grey Crushed Limestone, CA-06: FILL				
		50/0"	-	5
Brown and Grey CLAY, A-6, hard: FILL	1			
	(5)	7 8 15	4.5+ P	5
	2	6 8 9	3.75 P	8
Grey CLAY, A-6, stiff to firm: FILL				
	3 (10)	4 3 4	1.36 B	10
	4	3 3 3	0.81 B	19
	(15)	1 2 3	0.78 B	21
	5	1 2 3	1.12 B	17
	6 (20)	3 4 5	1.5 P	15

CONTINUED

Depth	M (Ft)	N/6"	Qu tsf	W %
End of Boring @ 20.0'				
	7			
	(25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-10
STATION 508+00
OFFSET 116' R of CL

WATER SURFACE EL. 713.6
GROUND WATER AT
COMPLETION 3.4'
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %
GROUND SURFACE EL. 717.0				
Grey Crushed Limestone CA-06 over Grey Crushed Limestone mixed with Grey CLAY, A-6: FILL		5 10 15	-	6
	1			
Grey GRAVEL, A-1-a: FILL		4 5 8	-	9
	(5)			
Grey CLAY, A-6, firm: FILL	2	2 2 2	0.5 P	16
		2		
stiff	3 (10)	2 3 3	1.55 B	17
soft	4	1 2 1	0.25 P	12
stiff	(15)	2 3 3	1.25 P	14
End of Boring @ 15.0'	5			
	6 (20)			

Depth	M (Ft)	N/6"	Qu tsf	W %
	7			
	(25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5 — DATE 6/11/08
ROUTE FAP 361 — BORED BY SPE
SECTION 06-00214-25-BR — BRIDGE — CHECKED BY

COUNTY Kane
BORING SB-11
STATION 508+60
OFFSET 91' R of CL

WATER SURFACE EL. -
GROUND WATER AT
COMPLETION none
AFTER - HOURS -

Depth	M (Ft)	N/6"	Qu tsf	W %
GROUND SURFACE EL. 725.0				
±14" Grey Crushed Limestone, CA-06: FILL				
Brown CLAY, A-6, very stiff: FILL		13 8 6	-	10
	1			
Grey Crushed Limestone, CA-06		10 18 13	-	5
	(5)			
Brown and Grey CLAY, A-6, stiff: FILL	2	7 3 5	1.75 P	14
	3 (10)	3 4 4	1.75 P	19
	4	3 3 4	1.0 P	19
End of Boring @ 12.5'	(15)			
	5			
	6 (20)			

Depth	M (Ft)	N/6"	Qu tsf	W %
	7			
	(25)			
	8			
	9 (30)			
	10			
	(35)			
	11			
	12 (40)			

N-Standard Penetration Test-
Blows per foot to drive 2 inch
O.D. Split Spoon Sampler 12 inches
with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS III

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: None — DRAWN BY: C. Cooney
DATE: March 30, 2009 — CHECKED BY: G. Hatlestad

CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 361	06-00214-25-BR	KANE	220	129
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-	

Contract # 63076

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5
ROUTE FAP 361
SECTION 06-00214-25-BR
BRIDGE
DATE 7/7/08
BORED BY SPE
CHECKED BY

COUNTY Kane
BORING SB-12
STATION 507+70
OFFSET 50' R of CL
WATER SURFACE EL. 716.2
GROUND WATER AT COMPLETION 3.8'
AFTER - HOURS -

GROUND SURFACE EL. 720.0

Depth M (Ft)	N/6"	Qu tsf	W %
Grey Crushed Limestone, CA-06: FILL			
1	12 11 11	-	2
(5)	5 4 3	-	6
2	6 4 3	-	18
Grey Clay LOAM, A-6(6): FILL*			
3 (10)	ST	0.75 P	25
4	1 2 2	0.25 P	25
(15)	ST	0.5 P	20
5	3 1 3	0.25 P	13
Brown Sandy Clay LOAM, A-6, mixed FILL			
6 (20)	3 3 4	0.75 P	16
CONTINUED			
Brown and Grey Sandy Clay LOAM, A-6: FILL			
7	3 2 3	0.5 P	16
(25)	ST	0.75 P	25
8	3 6 12	0.25 P	31
	10 11 50	-	9
Grey GRAVEL, A-2 to A-1			
9 (30)			
Weathered Dolomite			
End of Boring @ 31.5'			
10			
(35)			
11			
12 (40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

MIDLAND STANDARD ENGINEERING & TESTING, INC.

STRUCTURAL BORING LOG

SHEET 1 OF 1

PROJECT Stearns Road Bridge Corridor - Stage 5
ROUTE FAP 361
SECTION 06-00214-25-BR
BRIDGE
DATE 7/7/08
BORED BY SPE
CHECKED BY

COUNTY Kane
BORING SB-13
STATION 507+70
OFFSET 91' R of CL
WATER SURFACE EL. 713.5
GROUND WATER AT COMPLETION 3.5'
AFTER - HOURS -

GROUND SURFACE EL. 717.0

Depth M (Ft)	N/6"	Qu tsf	W %
Grey Crushed Limestone CA-06: FILL			
1	13 13 10	-	4
Brown Silty Clay LOAM, A-6: FILL			
(5)	8 4 3	1.0 P	13
2	1 2 2	0.51 B	21
Dark Grey and Olive-Brown Silty CLAY, A-6: FILL			
3 (10)	ST	0.5 P	19
4	2 2 2	0.25 P	21
(15)	ST	0.5 P	14
Black and Dark Grey Silty CLAY, A-6: FILL			
5	4 5 6	0.93 B	19
6 (20)	ST	1.25 P	17
CONTINUED			
Brown and Dark Grey Silty Clay LOAM, A-6: FILL			
7	5 4 7	0.62 B	24
(25)	ST	1.0 P	20
8	2 2 4	0.5 P	34
Dark Grey Silty CLAY, A-6: FILL			
9 (30)	3 50/0"	-	17
Weathered Dolomite			
End of Boring @ 30.5'			
10			
(35)			
11			
12 (40)			

N-Standard Penetration Test- Blows per foot to drive 2 inch O.D. Split Spoon Sampler 12 inches with 140 lbs. hammer falling 30 inches

Qu- Unconfined Compressive Strength (tsf)
W- Water Content-percentage of oven dry weight (%)
ST- Shelby tube sample

Type failure: B- Bulge Failure, S- Shear Failure, E- Estimated Value, P-Penetrometer

CIVILTECH
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www.civiltechinc.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS IV

STEARNS ROAD (FAP 361) RETAINING WALL
STA. 499+20 TO STA. 508+60
SECTION 06-00214-25-BR KANE COUNTY
STRUCTURE NUMBER 045-7000

SCALE: None DRAWN BY: C. Cooney
DATE: March 30, 2009 CHECKED BY: G. Hatlestad

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5/30/2009

SOIL PROFILE DRAWING

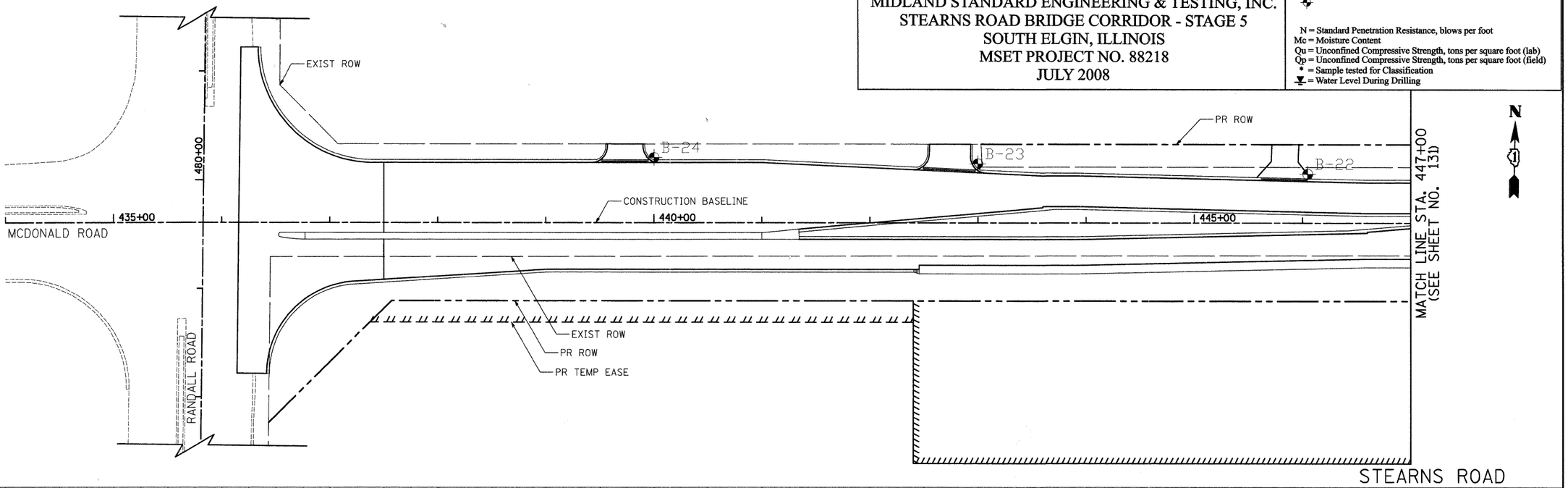
MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

LEGEND

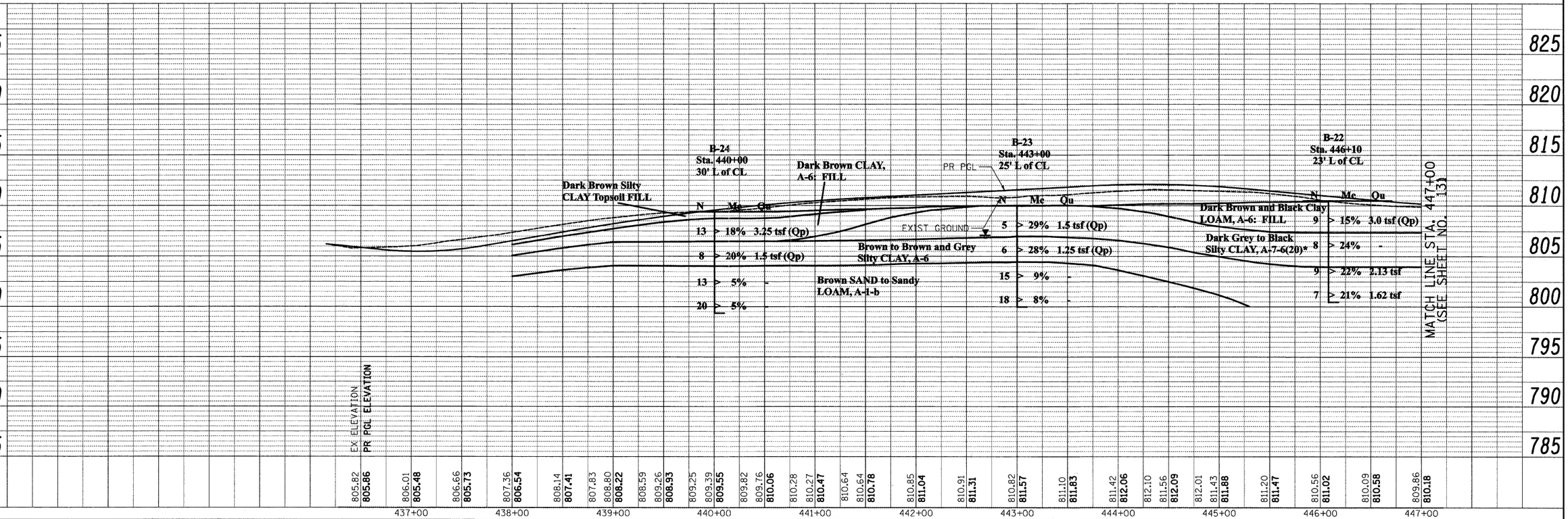
BORING NUMBER — BORING LOCATION

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
▼ = Water Level During Drilling

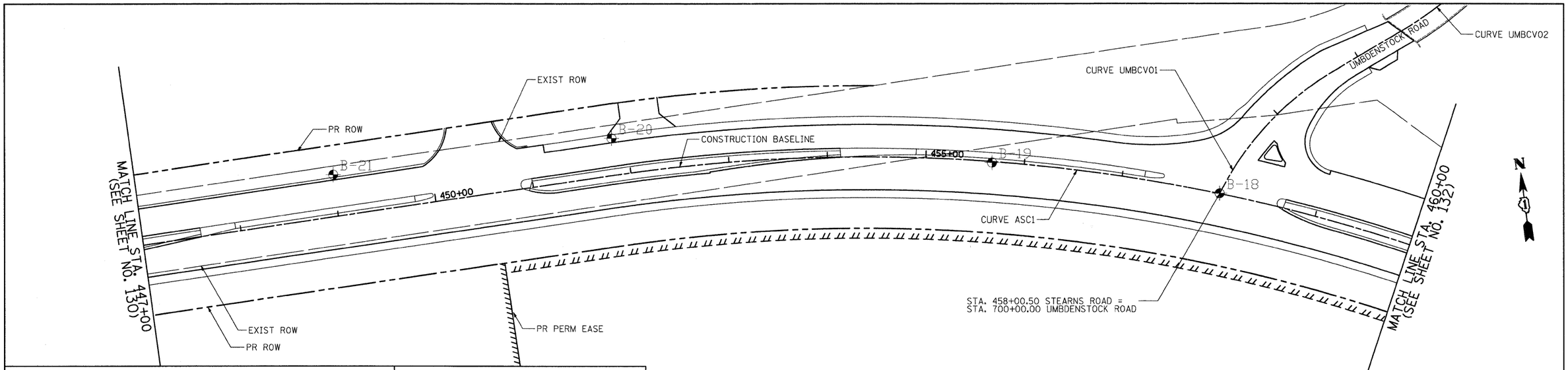
PLAN — SURVEYED — PLOTTED — AS-BUILT CHECKED — ROW CHECKED — NOTE BOOK — R.T. OF WAY CHECKED — NO. — CADD FILE NAME — BY — DATE



PROFILE — SURVEYED — PLOTTED — AS-BUILT CHECKED — ROW NOTED — NOTE BOOK — STRUCTURE NOTATNS CHKD — NO. — BY — DATE



FILE NAME =	USER NAME = jsm	DESIGNED - MSET	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	SOIL BORING LOCATION PLAN & SOIL PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CIVILTECH	PLOT SCALE = 50.0000 ' / IN.	DRAWN - MSET	REVISED -			361	06-00214-25-BR	KANE	220	130
	PLOT DATE = 3/27/2009	CHECKED - MSET	REVISED -		SCALE: 1"=50' SHEET NO. 1 OF 7 SHEETS STA. 436+15.8 TO STA. 447+00			CONTRACT NO. 63076		
		DATE - 3/30/09	REVISED -			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



SOIL PROFILE DRAWING

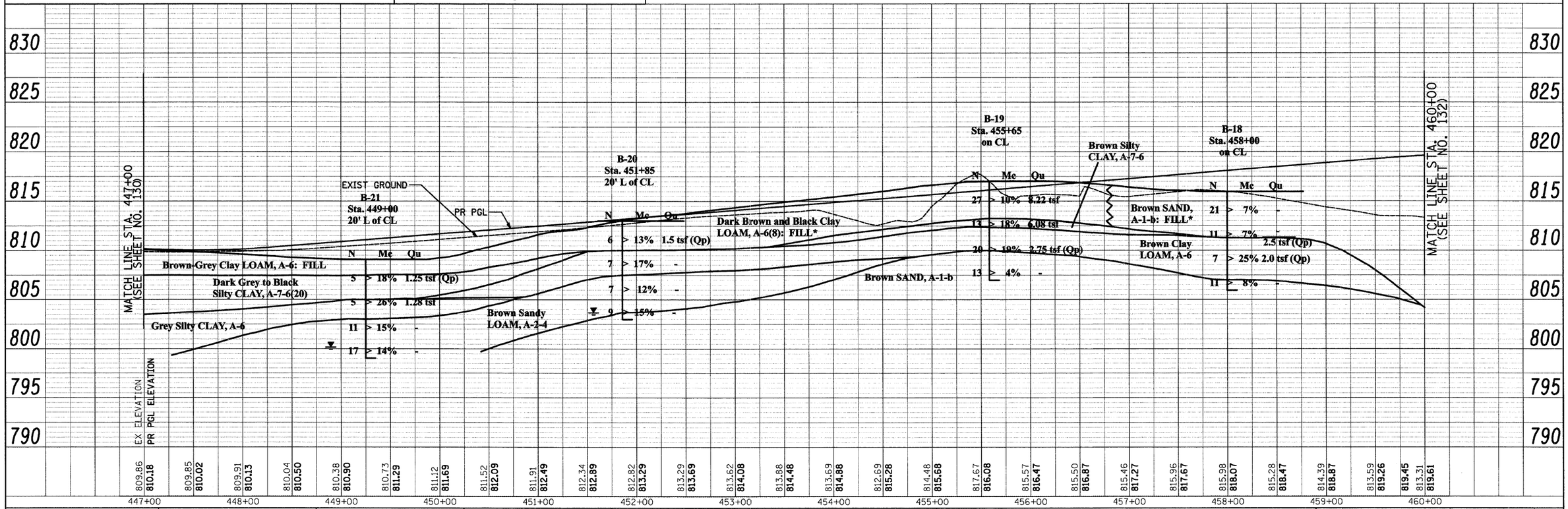
MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

LEGEND

BORING NUMBER **BORING LOCATION**

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
▼ = Water Level During Drilling

STEARNS ROAD



FILE NAME =	USER NAME = jam	DESIGNED - MSET	REVISED -
CIVILTECH		DRAWN - MSET	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MSET	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

SOIL BORING LOCATION PLAN & SOIL PROFILE

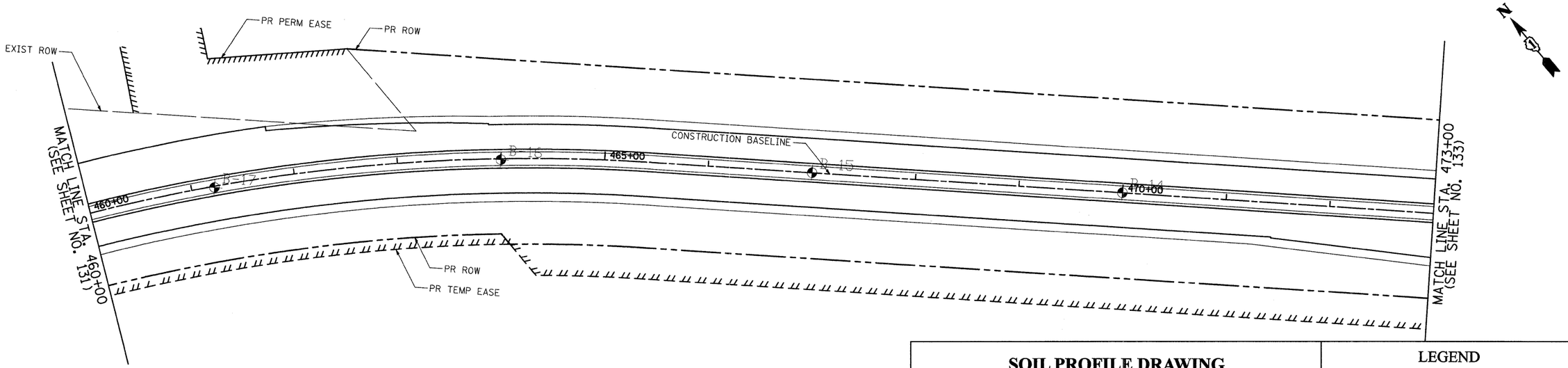
SCALE: 1"=50' | SHEET NO. 2 OF 7 SHEETS | STA. 447+00 TO STA. 460+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	131

CONTRACT NO. 63076

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

PLAN / PROFILE — SURVEYED — PLOTTED — DRAWN — CHECKED — ALIGNMENT — R/T OF WAY CHECKED — NOTE BOOK — CARD FILE NAME — NO. — STRUCTURE NO.(A'NS GIVEN) — BY — DATE



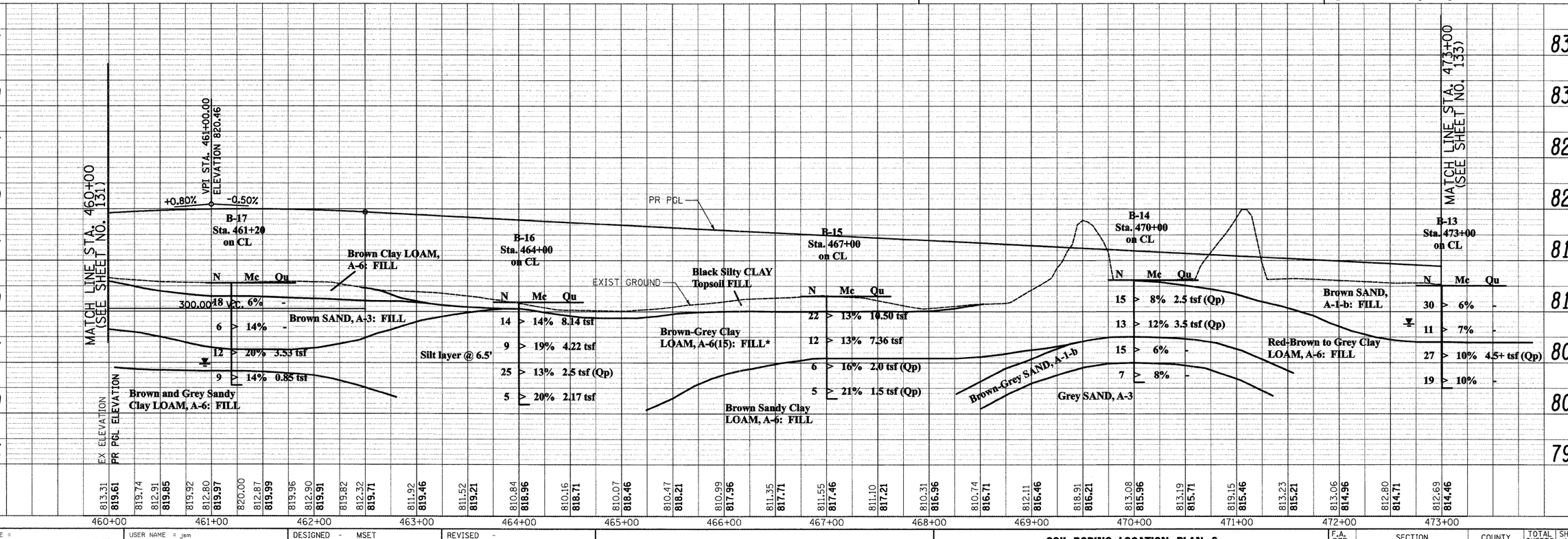
SOIL PROFILE DRAWING

MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

LEGEND

BORING NUMBER **BORING LOCATION**

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
▼ = Water Level During Drilling

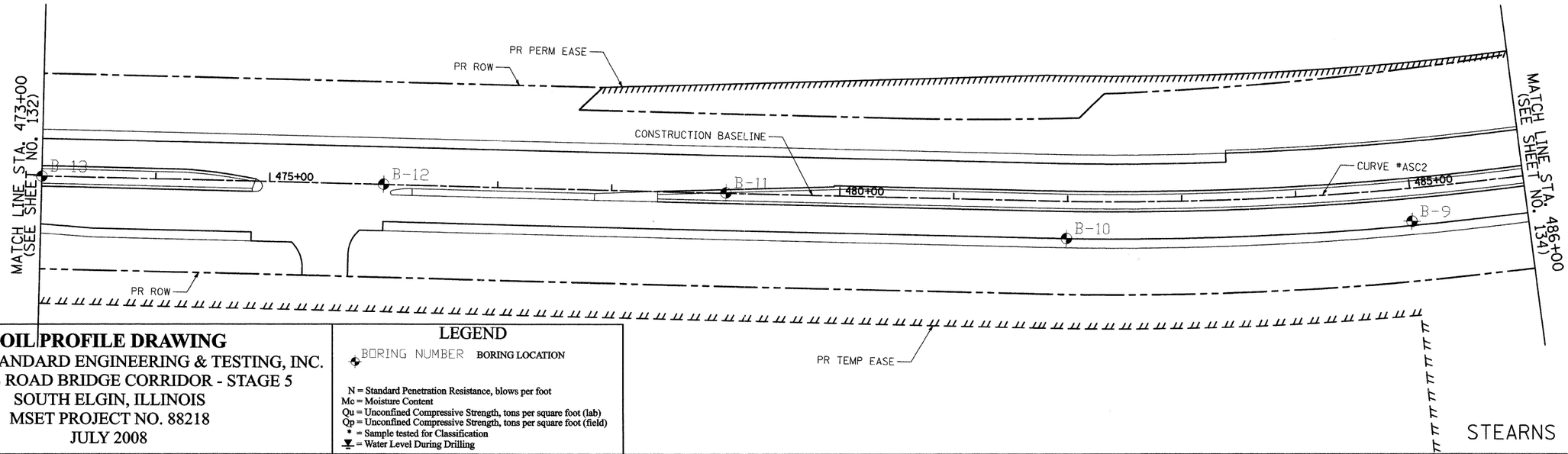


FILE NAME =	USER NAME = jsm	DESIGNED - MSET	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	SOIL BORING LOCATION PLAN & SOIL PROFILE
CIVILTECH		DRAWN - MSET	REVISED -		SCALE: 1"=50' | SHEET NO. 3 OF 7 SHEETS | STA. 460+00 TO STA. 473+00
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MSET	REVISED -		
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	132
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PLAN / PROFILE — SURVEYED, PLOTTED, ALIGNMENT, R.O.W., R.M. NOTED, STRUCTURE NOTATNS CHKD, PLOTTED, CROSS SECTIONED, CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PLAN
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE BOOK
NO.
BY
DATE



SOIL PROFILE DRAWING

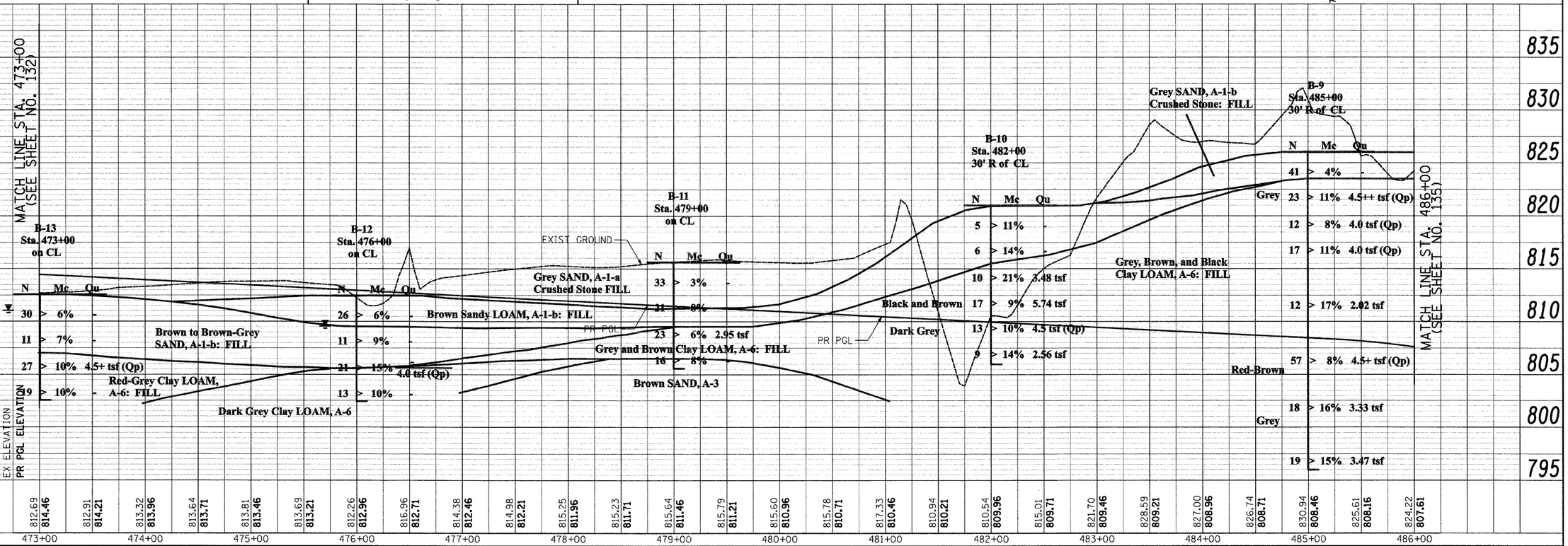
MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

LEGEND

BORING NUMBER **BORING LOCATION**

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
▼ = Water Level During Drilling

PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE BOOK
R.M. NOTED
NO.
BY
DATE
STRUCTURE NOTATIONS GRADE



FILE NAME =	USER NAME = jsm	DESIGNED - MSET	REVISED -
CIVILTECH		DRAWN - MSET	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MSET	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

SOIL BORING LOCATION PLAN & SOIL PROFILE

SCALE: 1"=50' | SHEET NO. 4 OF 7 SHEETS | STA. 473+00 TO STA. 486+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	133
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

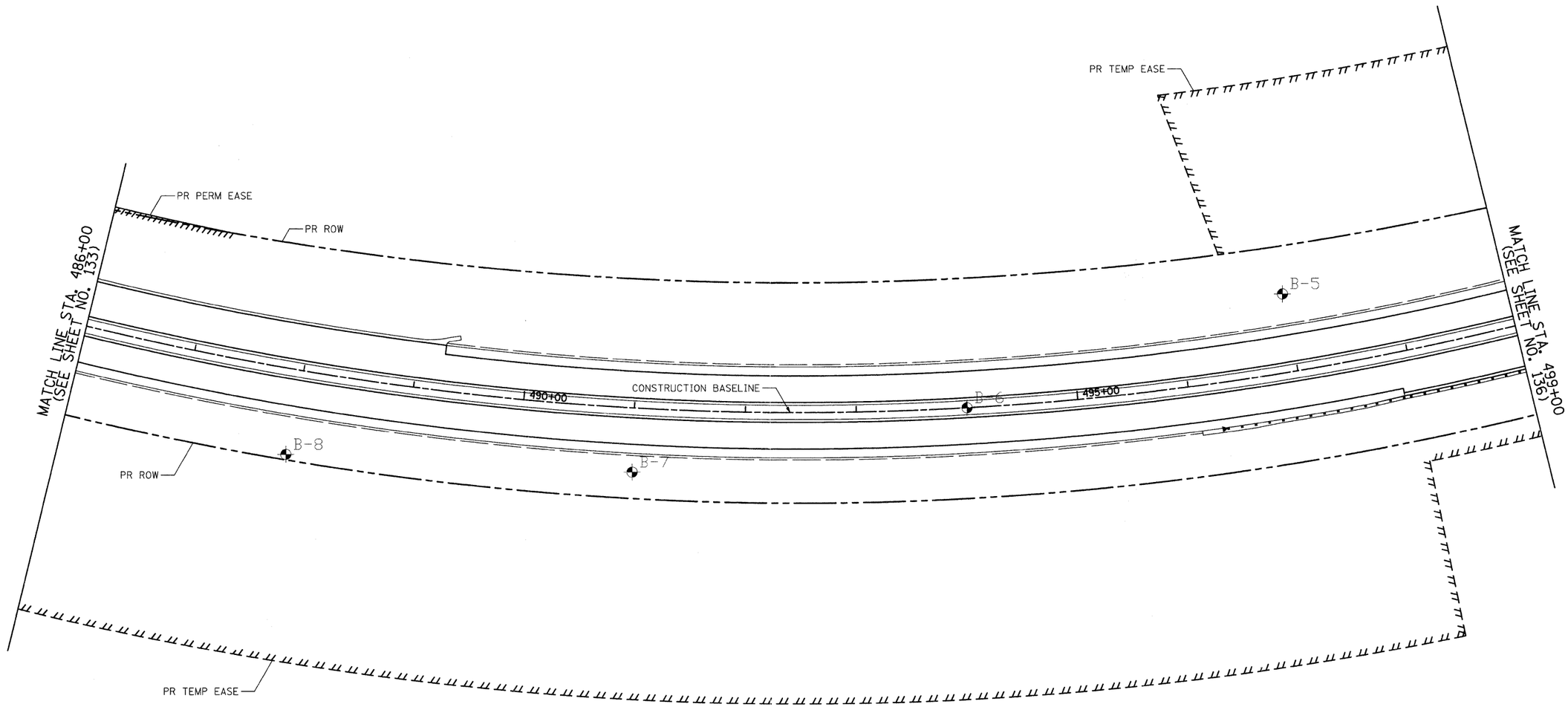
SOIL PROFILE DRAWING

MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

LEGEND

BORING NUMBER **BORING LOCATION**

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
= Water Level During Drilling



STEARNS ROAD

FILE NAME =	USER NAME = jsm	DESIGNED - MSET	REVISED -	**KANE COUNTY DIVISION OF TRANSPORTATION**	**SOIL BORING LOCATION PLAN & SOIL PROFILE**	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CIVILTECH		DRAWN - MSET	REVISED -			361	06-00214-25-BR	KANE	220	134
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MSET	REVISED -					CONTRACT NO. 63076		
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		SCALE: 1"=50' SHEET NO. 5 OF 7 SHEETS STA. 486+00 TO STA. 499+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SOIL PROFILE DRAWING

MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

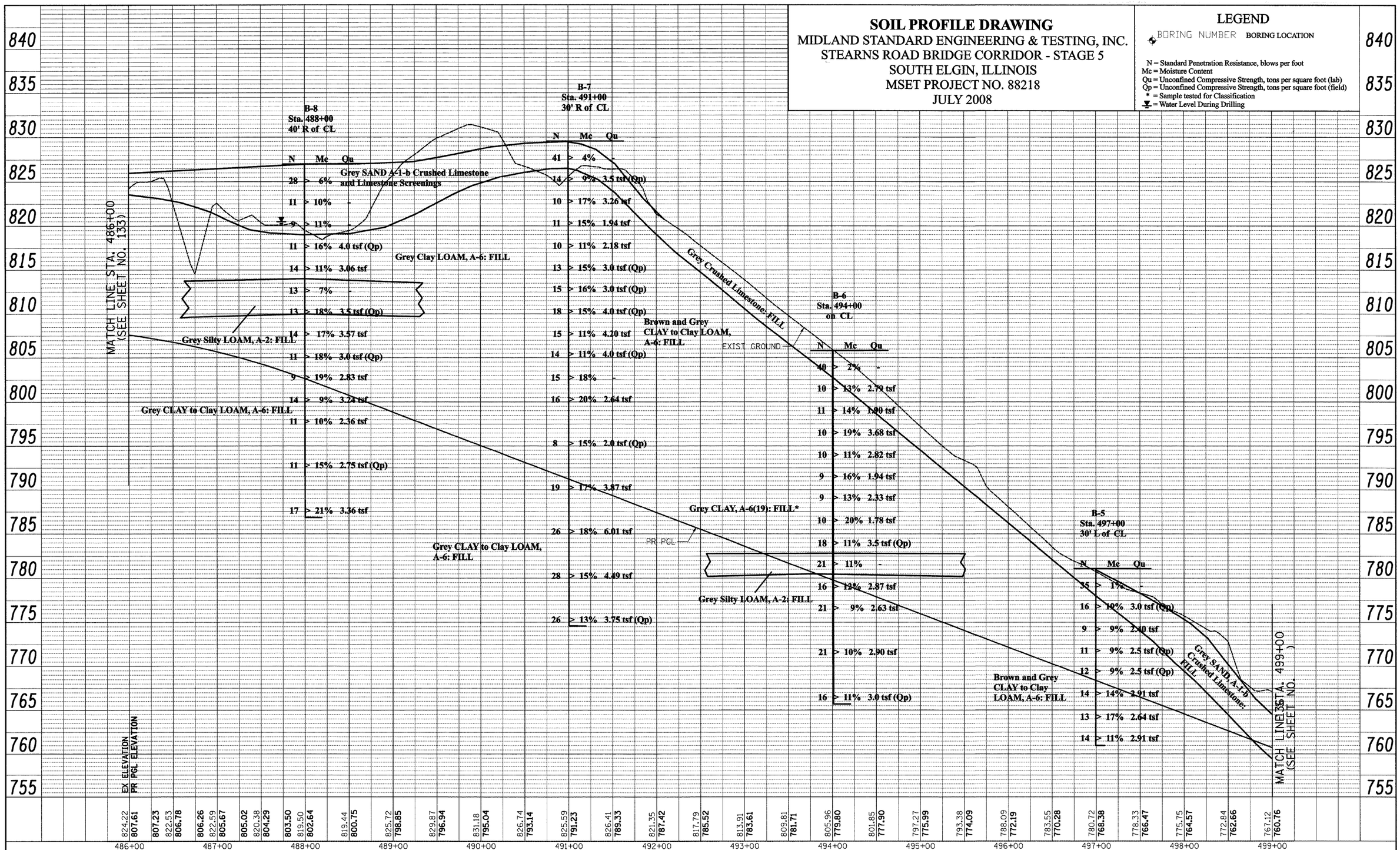
LEGEND

BORING NUMBER — BORING LOCATION

N = Standard Penetration Resistance, blows per foot
Mc = Moisture Content
Qu = Unconfined Compressive Strength, tons per square foot (lab)
Qp = Unconfined Compressive Strength, tons per square foot (field)
* = Sample tested for Classification
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PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, R.O.W. CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, QUANTITIES CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE



FILE NAME =	USER NAME = jsm	DESIGNED - MSET	REVISED -	**KANE COUNTY DIVISION OF TRANSPORTATION**
CIVILTECH		DRAWN - MSET	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MSET	REVISED -	
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -	

SOIL BORING LOCATION PLAN & SOIL PROFILE

SCALE: 1"=50' | SHEET NO. 6 OF 7 SHEETS | STA. 486+00 TO STA. 499+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	135
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SOIL PROFILE DRAWING

MIDLAND STANDARD ENGINEERING & TESTING, INC.
STEARNS ROAD BRIDGE CORRIDOR - STAGE 5
SOUTH ELGIN, ILLINOIS
MSET PROJECT NO. 88218
JULY 2008

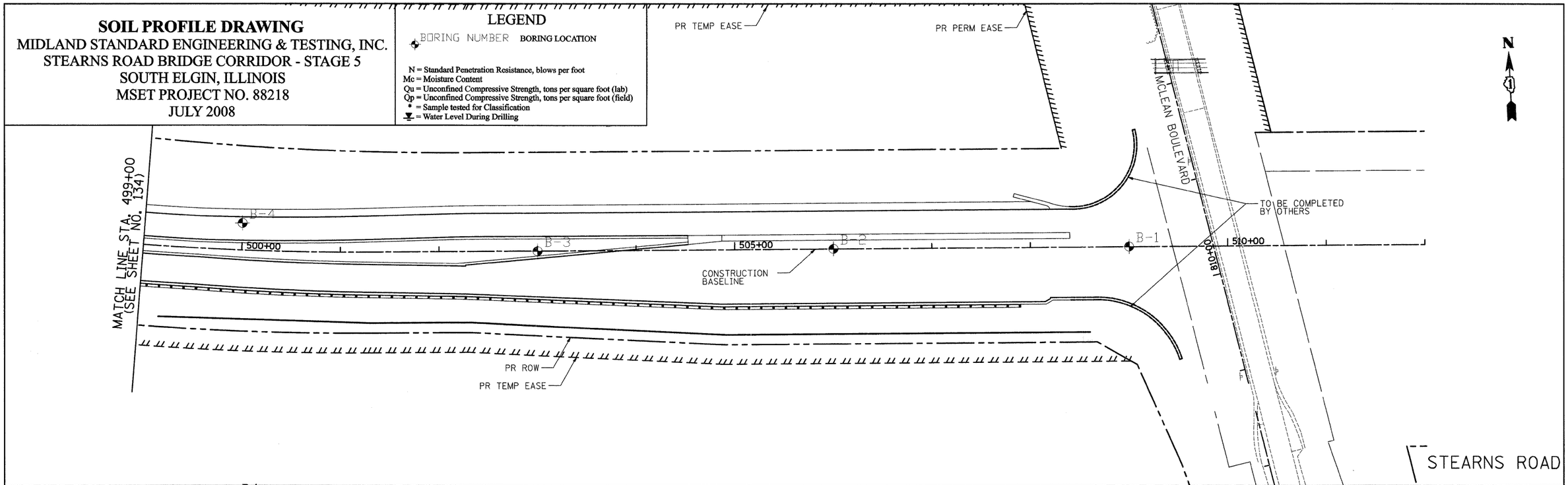
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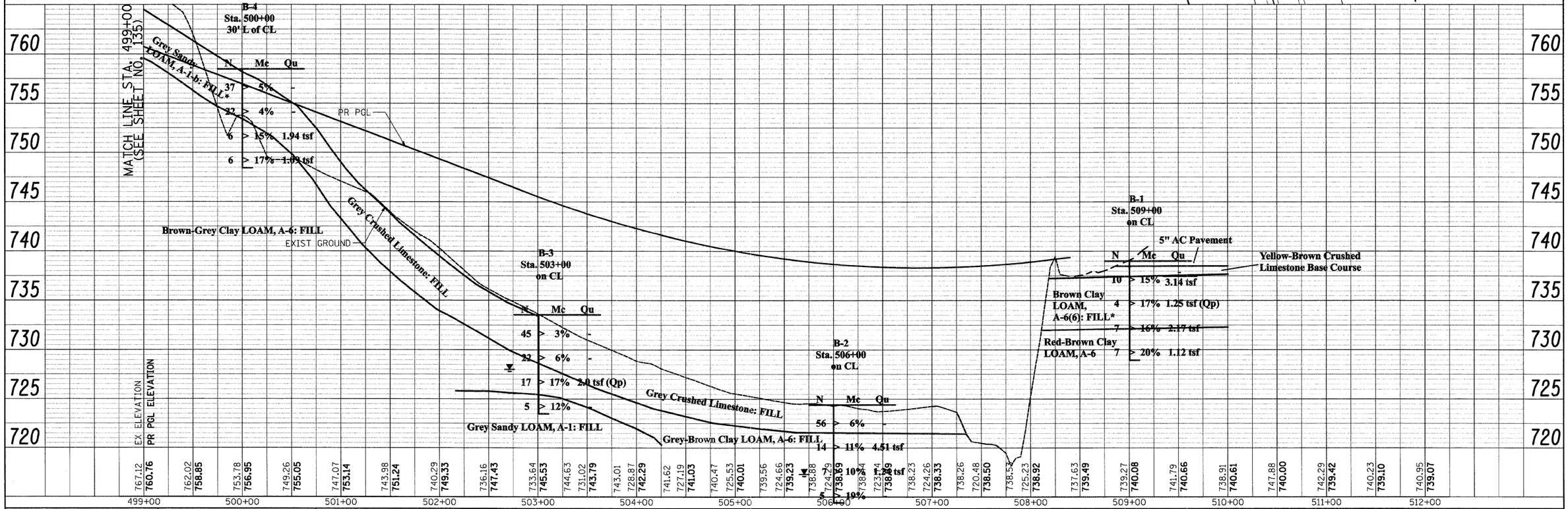
BORING NUMBER — BORING LOCATION

N = Standard Penetration Resistance, blows per foot
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Qu = Unconfined Compressive Strength, tons per square foot (lab)
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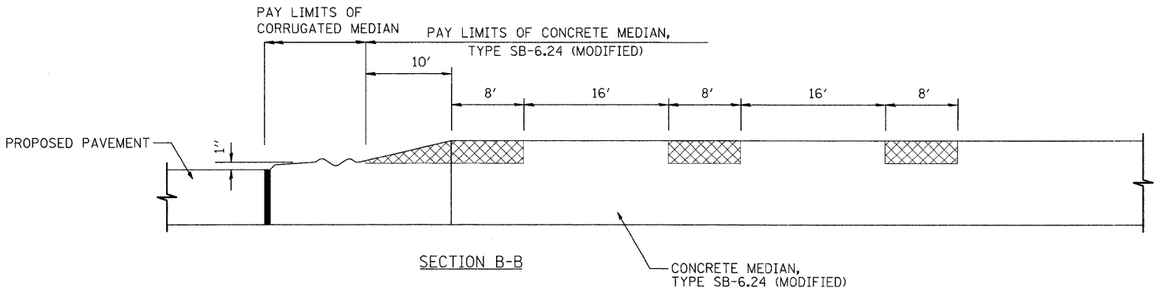
PLAN
SURVEYED BY
PLOTTED DATE
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED BY
PLOTTED DATE
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.

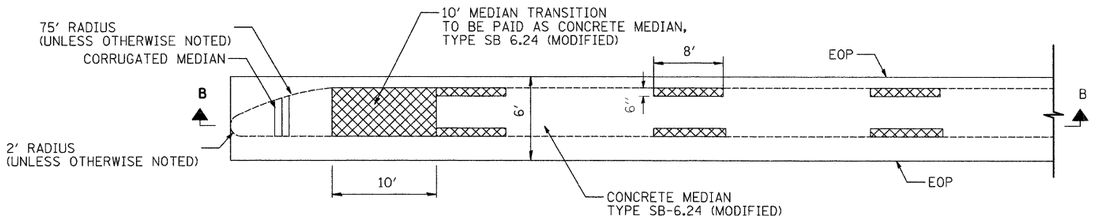




| | | |



SECTION B-B

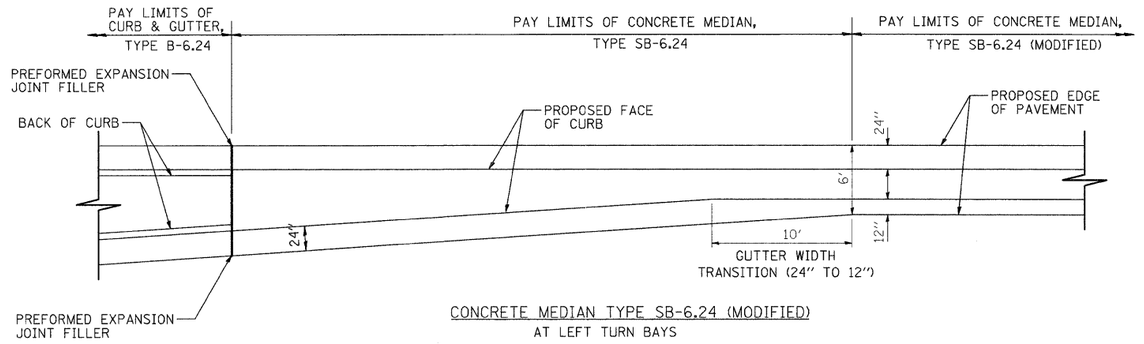


CORRUGATED MEDIAN

NOTE: CONCRETE MEDIAN, TYPE SB-6.24 SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PORTIONS OF STANDARD 606301

PAINT FOR THE NOSES AND CURB SHALL BE POLYUREA AND WILL BE PAID AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS

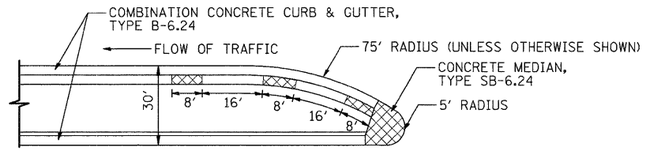
YELLOW PAINT



CONCRETE MEDIAN TYPE SB-6.24 (MODIFIED)
AT LEFT TURN BAYS

NOTE: CONCRETE MEDIAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PORTIONS OF STANDARD 606301

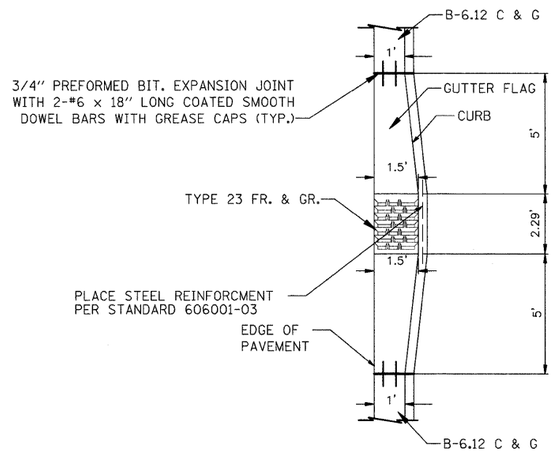
YELLOW PAINT



NOTE: CONCRETE MEDIAN, TYPE SB-6.24 SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PORTIONS OF STANDARD 606301

PAINT FOR THE NOSES AND CURB SHALL BE POLYUREA AND WILL BE PAID AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS

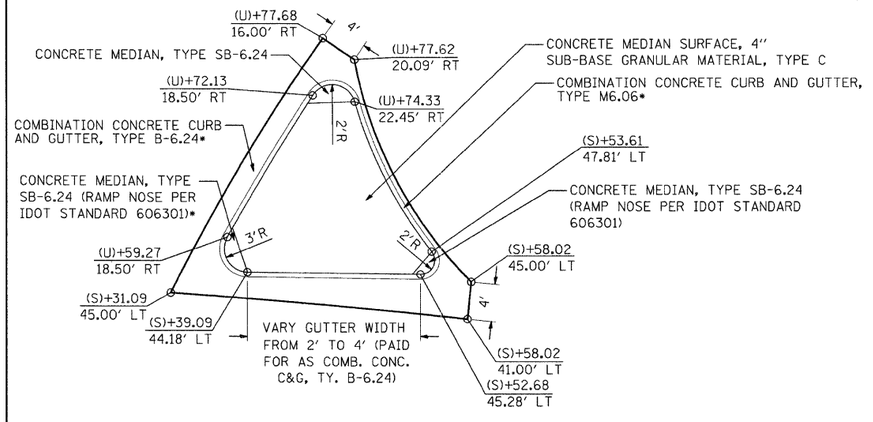
CONCRETE MEDIAN, TYPE SB-6.24
AT MEDIAN NOSES



TYPE 23 FRAME AND GRATE IN B-6.12 C & G OR SB-6.24 (MODIFIED)

NOTE: THE ADDITIONAL GUTTER FLAG WIDTH AND THE EXPANSION JOINTS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 OR SB-6.24 (MODIFIED).

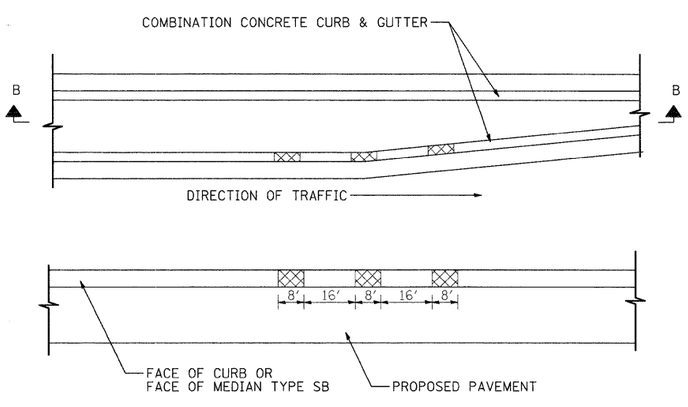
WHERE TWO DRAINAGE STRUCTURES ARE LESS THAN 25 FEET APART, THE FACE OF CURB SHALL REMAIN 1.5 FEET FROM THE EDGE OF PAVEMENT BETWEEN THE TWO STRUCTURES.



(U) CORRESPONDS TO UMBDENSTOCK ROAD ALIGNMENT
(S) CORRESPONDS TO STEARNS ROAD ALIGNMENT
* ALL RAMPED NOSES SHALL BE PAINTED WHITE & WILL BE PAID AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS. TOP & FACE OF CURB SHALL BE PAINTED WHITE & WILL BE PAID AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS.

ISLAND DETAIL

RIGHT TURN LANE @ UMBDENSTOCK RD AND STEARNS ROAD



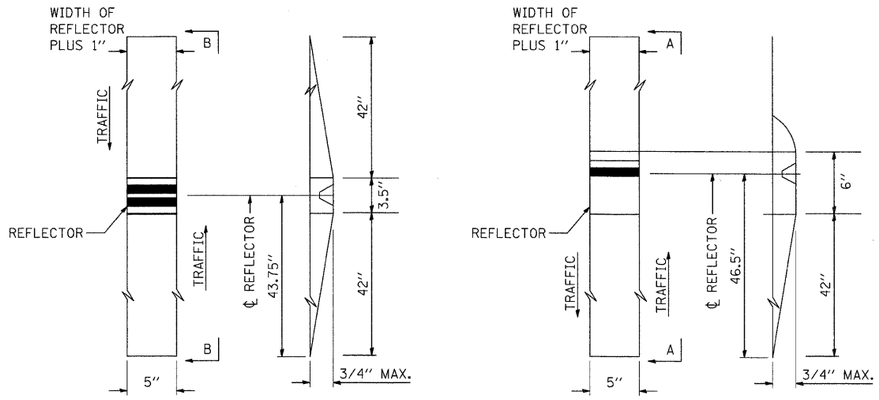
SECTION B-B

PAINTED CURB DETAIL

NOTE: THE PAINTED CENTER DASH SHALL BE CENTERED ON THE CURB BREAK POINT OR CENTERED ON THE DRIVEWAY DIRECTLY ACROSS.

PAINTED CURB SHALL BE POLYUREA AND WILL BE PAID AS POLYUREA PAVEMENT MARKING, LETTERS AND SYMBOLS

FILE NAME =	CIVILTECH	USER NAME = jsm	DESIGNED - JSM	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - JSM	REVISED -			361	06-00214-25-BR	KANE	220	137
		PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -					CONTRACT NO. 63076		
		PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		SCALE: N.T.S. | SHEET NO. 1 OF 3 SHEETS | STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



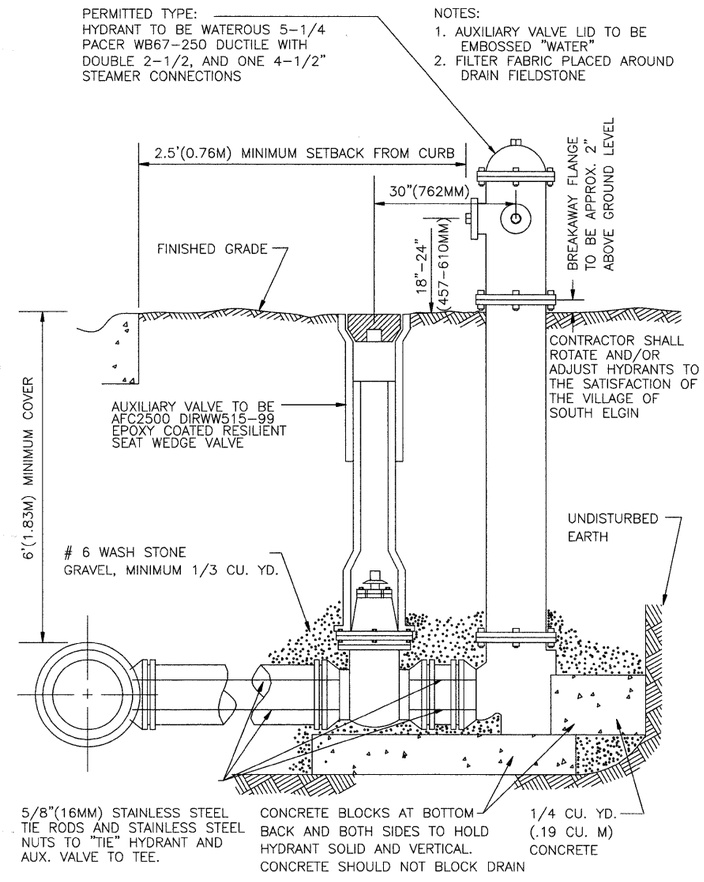
RECESSED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO IDOT HIGHWAY STANDARD 781001-02 (OR LATEST) FOR MARKER PLACEMENT.
2. IDOT STANDARD 781001-02 SHALL BE MODIFIED TO REFLECT RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

INSTALLATION NOTES:

1. SAW CUT TO DIMENSIONS SHOWN.
2. SAW CUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR +/- 3/8 INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 190 OR APPROVED EQUIVALENT.



HYDRANT SETTING

FILE NAME =	USER NAME = jsm	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

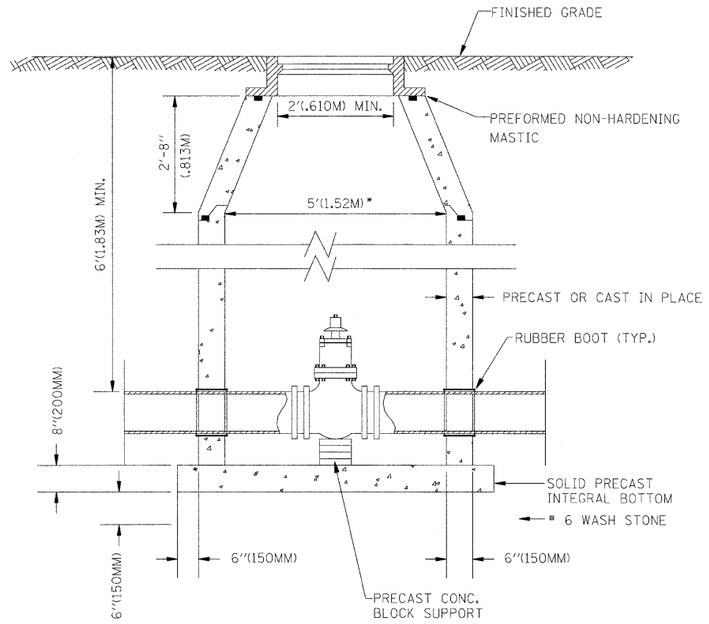
DETAILS

SCALE: N.T.S. | SHEET NO. 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	138
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

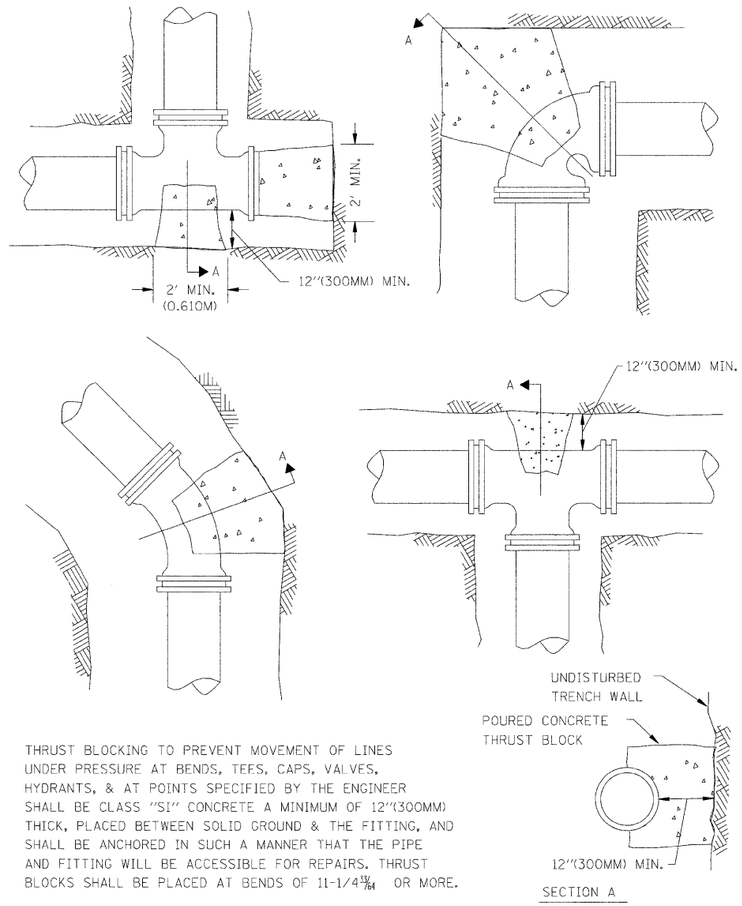
AT EACH JOINT, APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL, CONSEAL CS-102B, OR APPROVED EQUAL, TO PREVENT INFLOW.

FRAME TO BE NEENAH HEAVY-DUTY MODEL R1712. LID TO BE EMBOSSED "WATER" STOPS TO BE STEEL REINFORCED POLYPROPYLENE, SPACES 16".



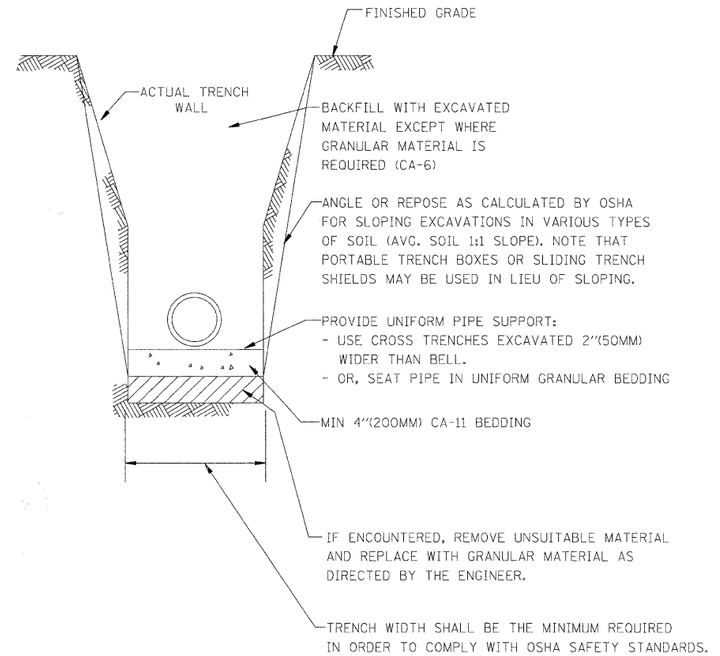
1) VAULT TO BE PRE-CAST CONCRETE MEETING ASTM C-478 STANDARDS
2) VALVE MUST ALIGN WITH THE CENTER OF VAULT OPENINGS.
3) CONES MUST BE CONCENTRIC WITH VALVES 12"(300MM) AND SMALLER.
4) BUTTERFLY VALVES AND PRESSURE TAP VALVES REQUIRE ECCENTRIC CONES.
5) WHEN ADJUSTMENTS ARE NECESSARY, THEY SHALL BE PERFORMED WITH A MAXIMUM OF 8" OF PRECAST CONCRETE RINGS SET IN A BED OF PREFORMED NON-HARDENING MASTIC MATERIAL(CONSEAL CS-102B, OR APPROVED EQUAL) TO A MAXIMUM HEIGHT OF 8"(300MM).

VALVE VAULTS



THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS, & AT POINTS SPECIFIED BY THE ENGINEER SHALL BE CLASS "SI" CONCRETE A MINIMUM OF 12"(300MM) THICK, PLACED BETWEEN SOLID GROUND & THE FITTING, AND SHALL BE ANCHORED IN SUCH A MANNER THAT THE PIPE AND FITTING WILL BE ACCESSIBLE FOR REPAIRS. THRUST BLOCKS SHALL BE PLACED AT BENDS OF 11-1/4$^{13}/_{64}$ OR MORE.

THRUST BLOCK INSTALLATION



IN PAVED AREAS ALL TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TRENCH SECTION FOR WATERMAIN

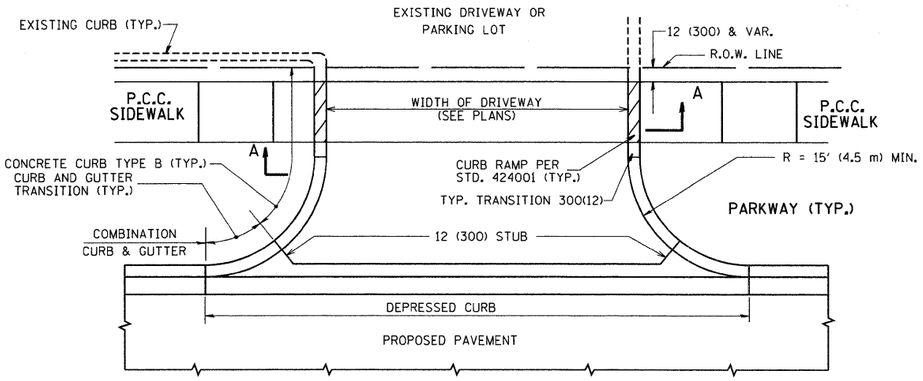
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CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DIVISION OF TRANSPORTATION

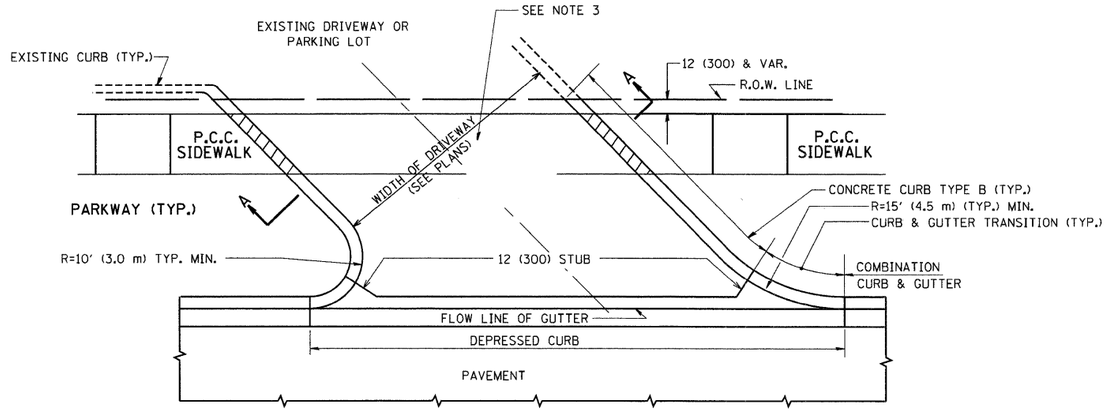
DETAILS

SCALE: N.T.S. | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

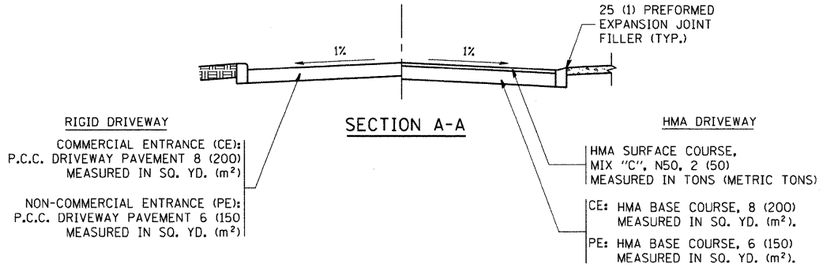
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	139
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

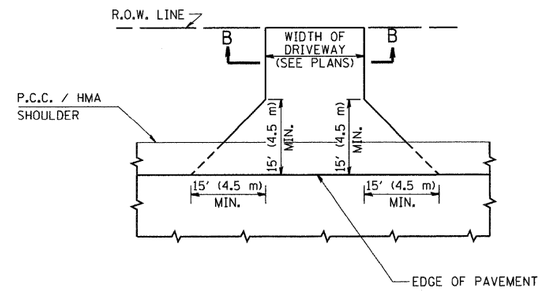


WITH CONCRETE CURB, TYPE B

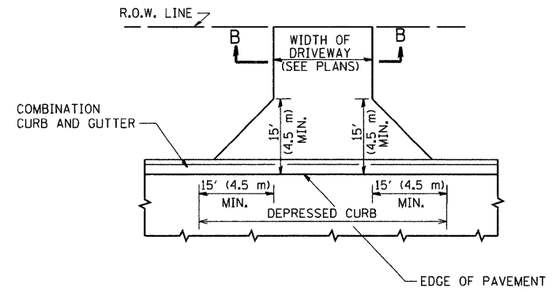


WITH CONCRETE CURB, TYPE B

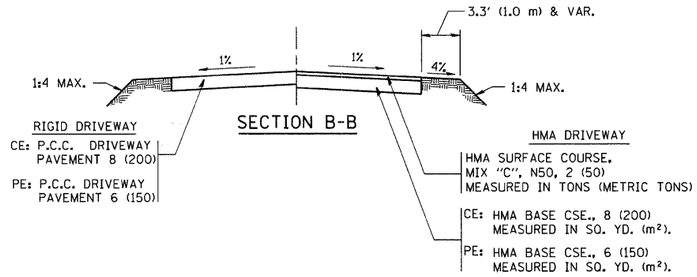




ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

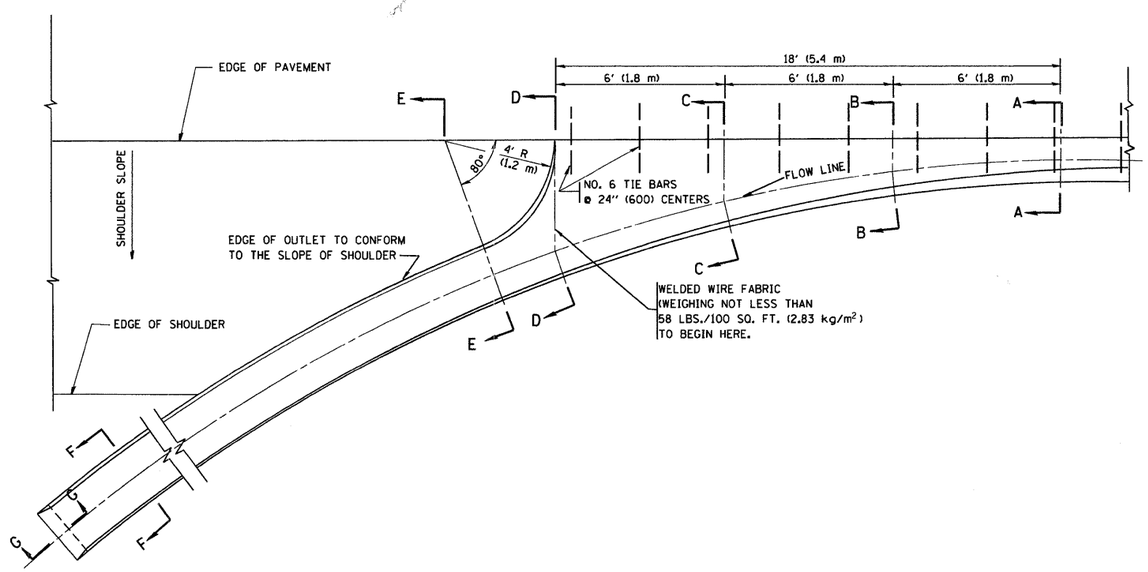
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		DRAWN -	REVISED - P. LaFLUER 04-15-03
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08

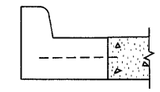
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

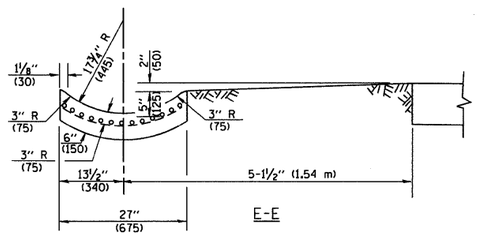
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	140
	BD0156-07 (BD-01)	CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



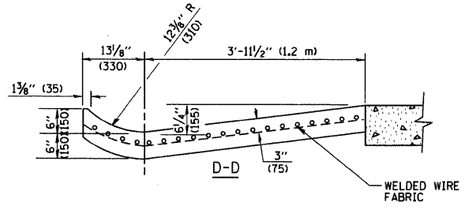


A-A *

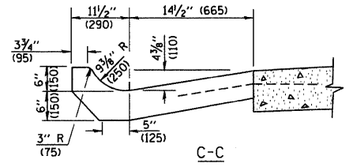
* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001.
FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



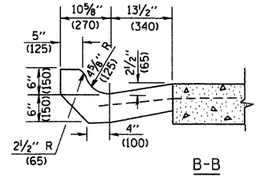
E-E



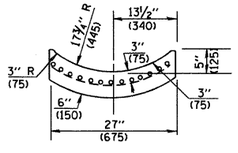
D-D



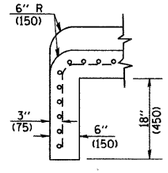
C-C



B-B



F-F



G-G

GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL=
1.25 CU. YDS. (0.96 m^3) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96 m^3) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F=
0.045 CU. YDS. (0.03 m^3) CLASS SI CONCRETE PER ft. (m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd03.dgn	USER NAME = gegianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94
		DRAWN -	REVISED - R. SHAH 10-25-94
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

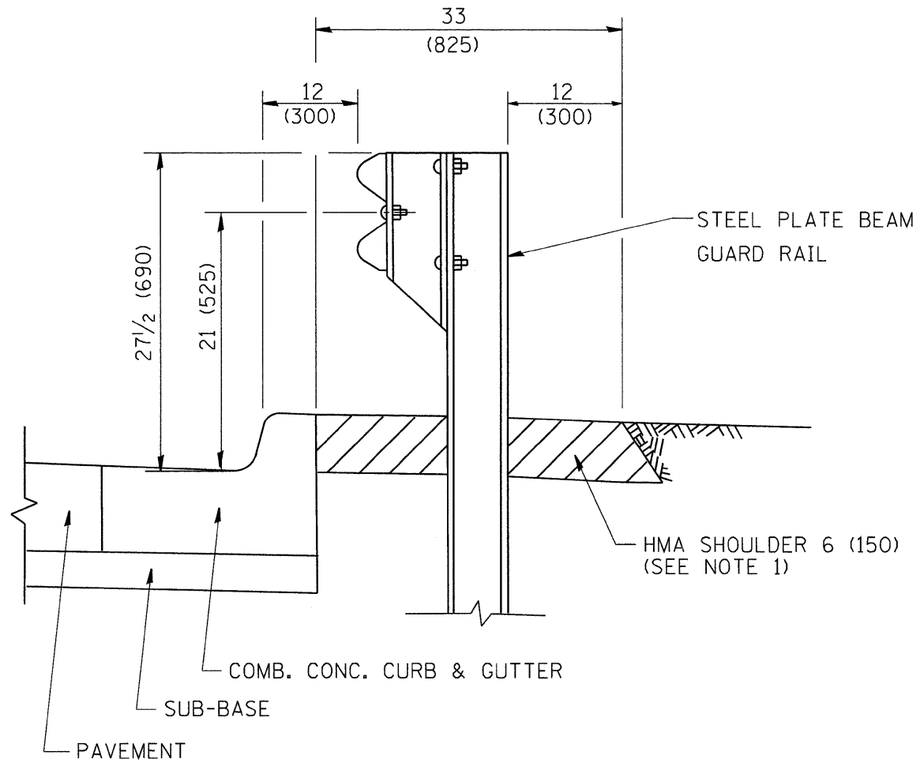
OUTLET FOR CONCRETE CURB AND GUTER

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	141

BD600-01 (BD-03) CONTRACT NO. 63076

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL

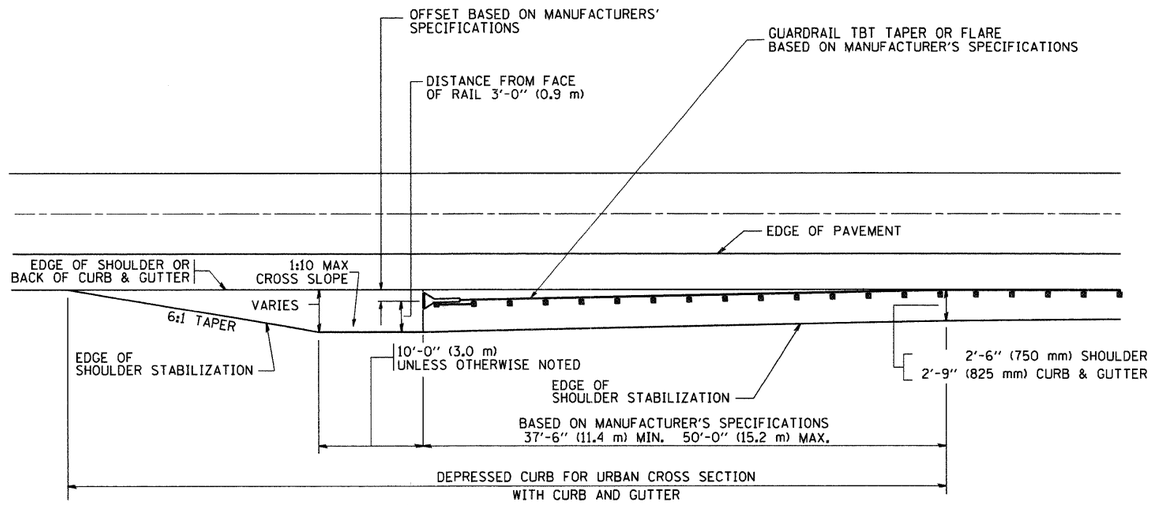
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER

[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



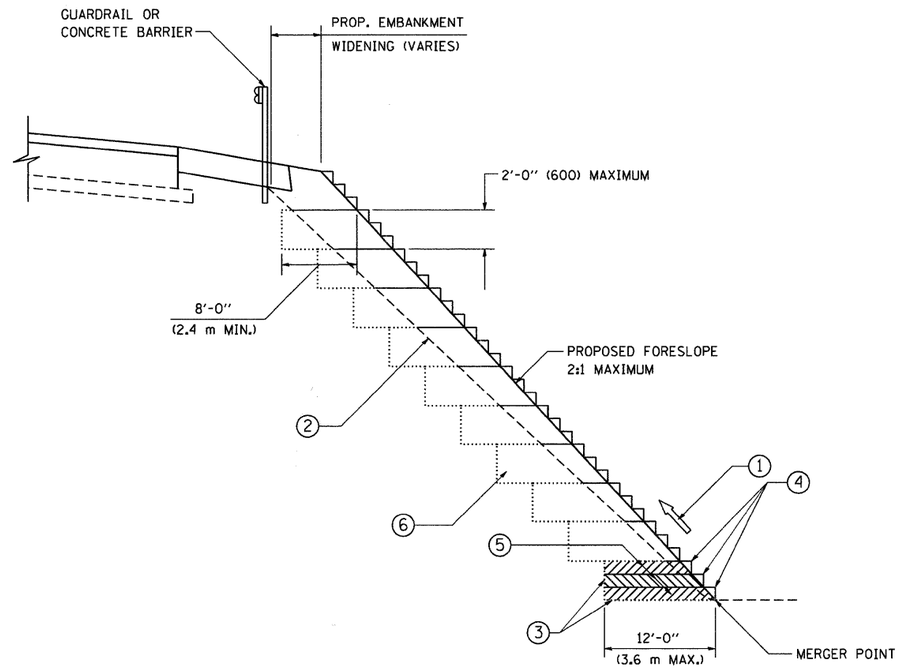
STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd34.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 02-23-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.
		DRAWN -	REVISED - A. ABBAS 03-21-97		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - E. GOMEZ 08-28-00		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 1/4/2008	DATE - 09-22-90	REVISED - R. BORO 01-01-07		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	142
	BD600-10 (BD 34)	CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

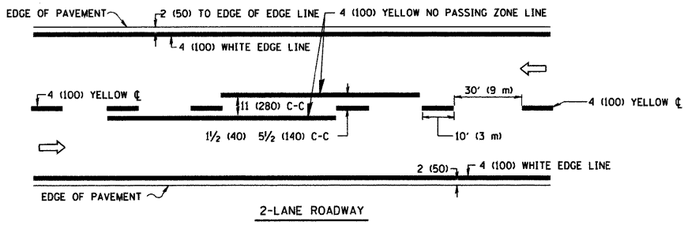
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

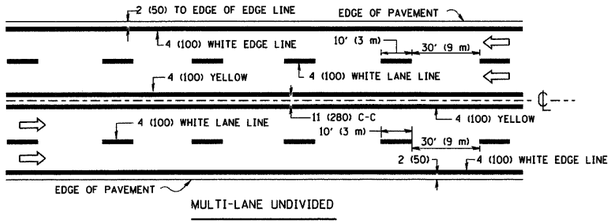
BENCHING DETAIL
FOR EMBANKMENT WIDENING

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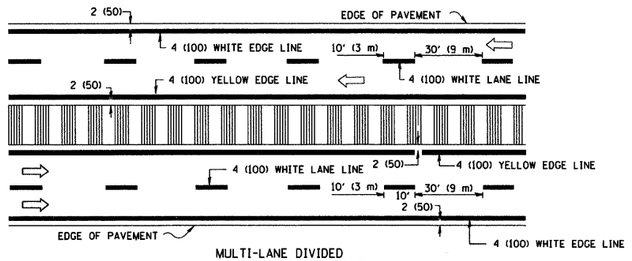
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	143
	BD-51	CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



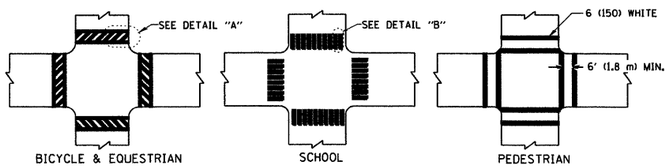
MULTI-LANE UNDIVIDED

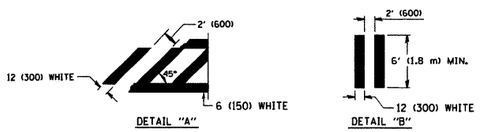


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

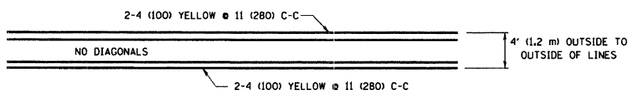
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

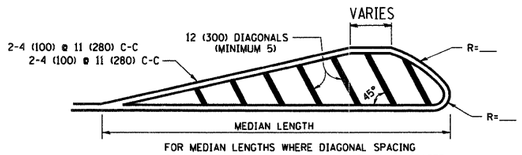




TYPICAL CROSSWALK MARKING



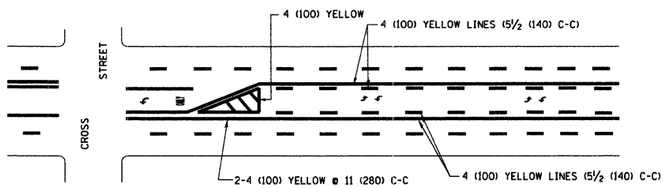
4' (1.2 m) WIDE MEDIANS ONLY



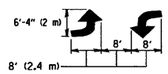
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

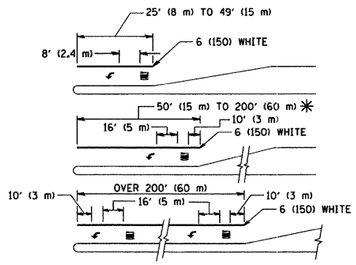


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

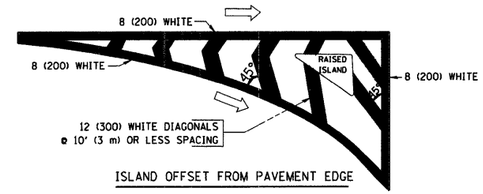


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

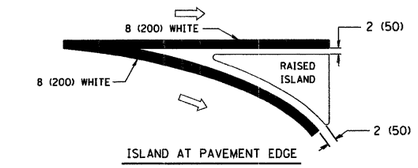
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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 UNDIVEDED 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	5½ (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' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (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 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^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
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.

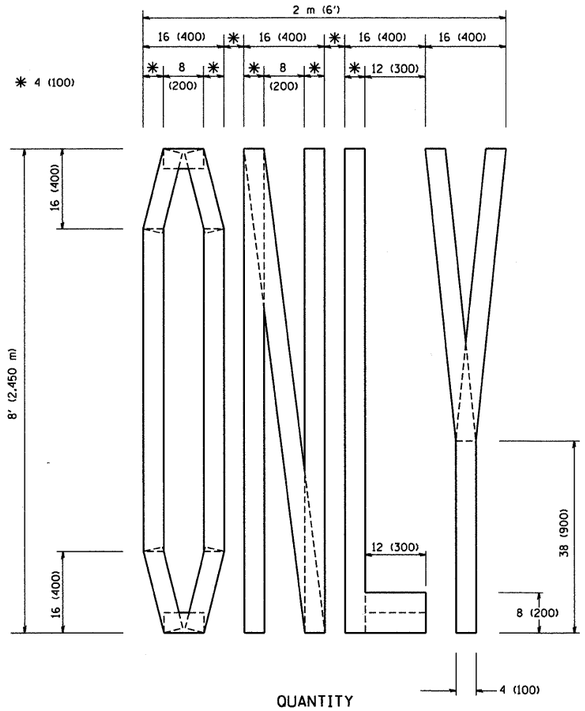
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

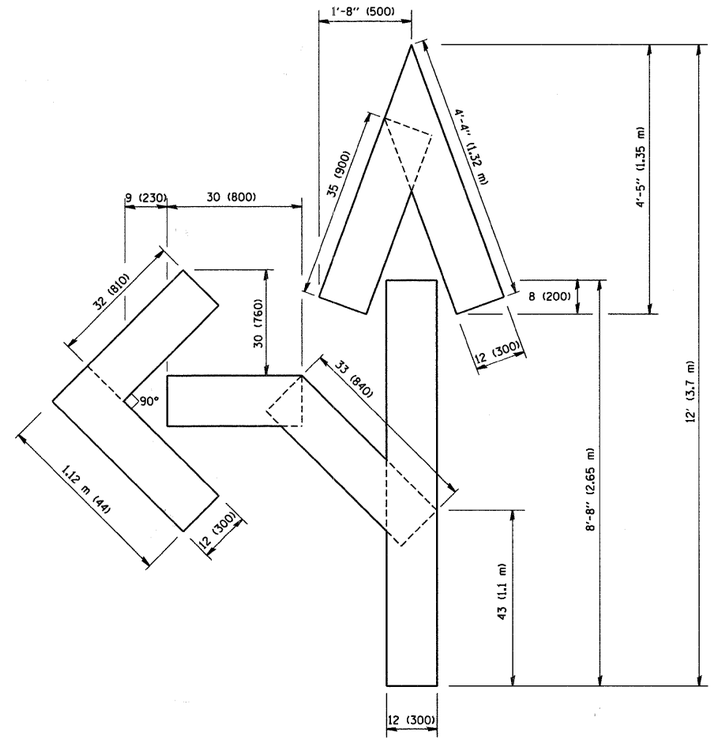
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

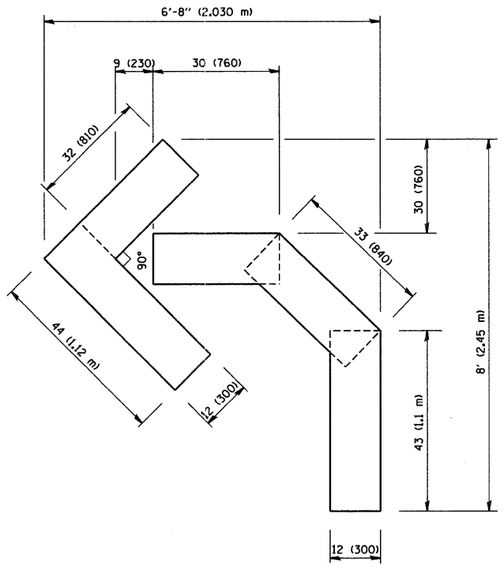
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	144
	TC-13	CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2,53 sq. m)

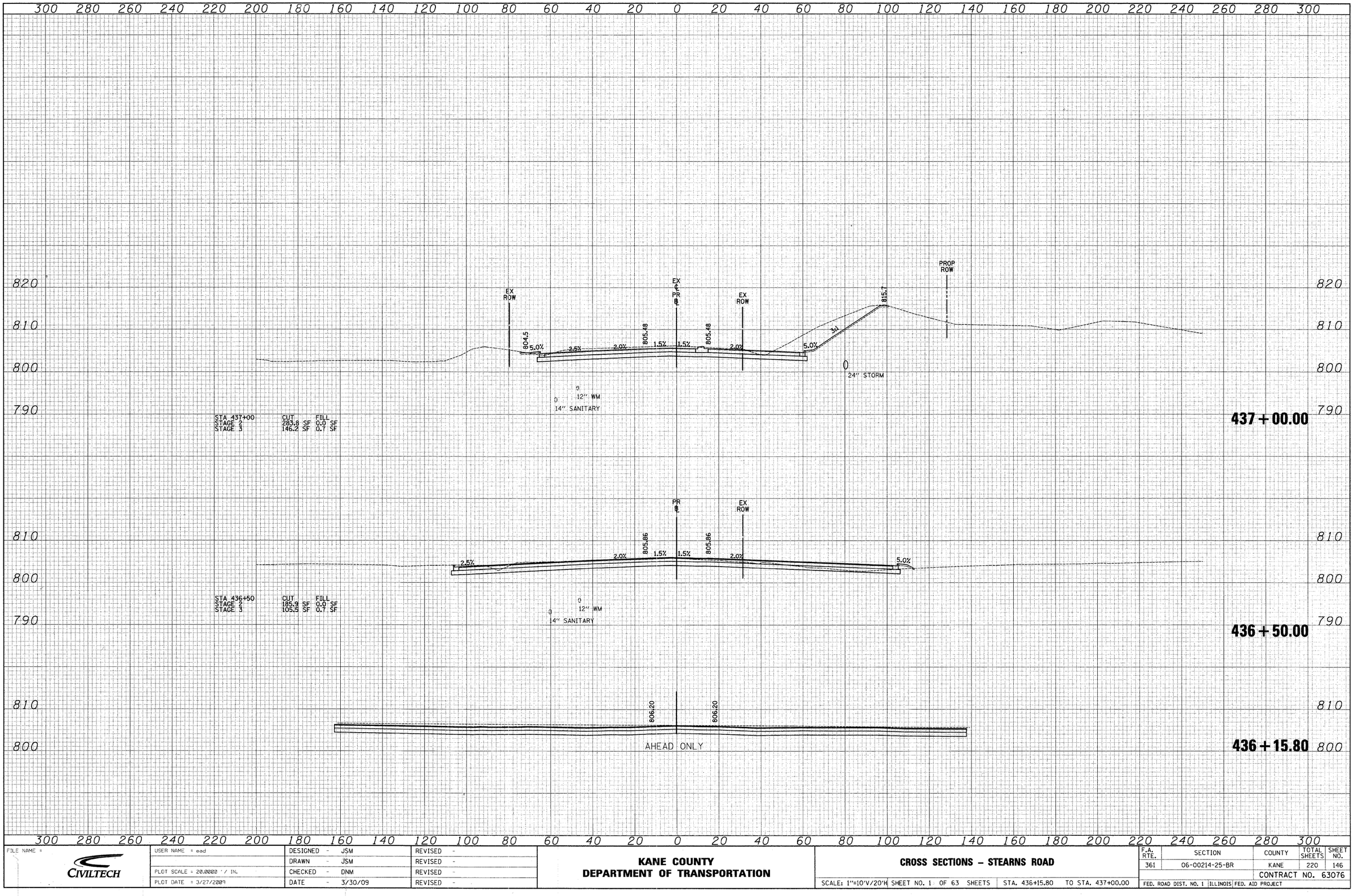


QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

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

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	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



ORIGINAL SURVEY	NOTE BOOK	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
AREAS			
AREAS CHECKED			

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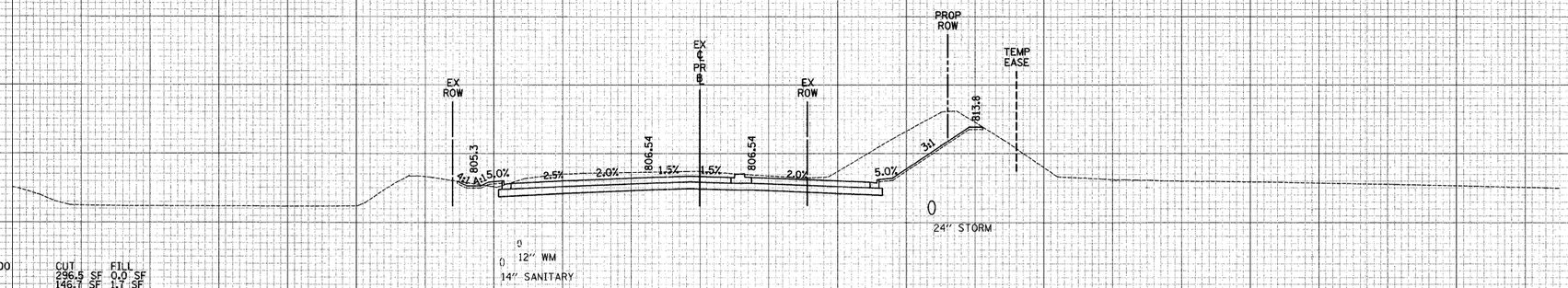
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 1 OF 63 SHEETS | STA. 436+15.80 TO STA. 437+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	146
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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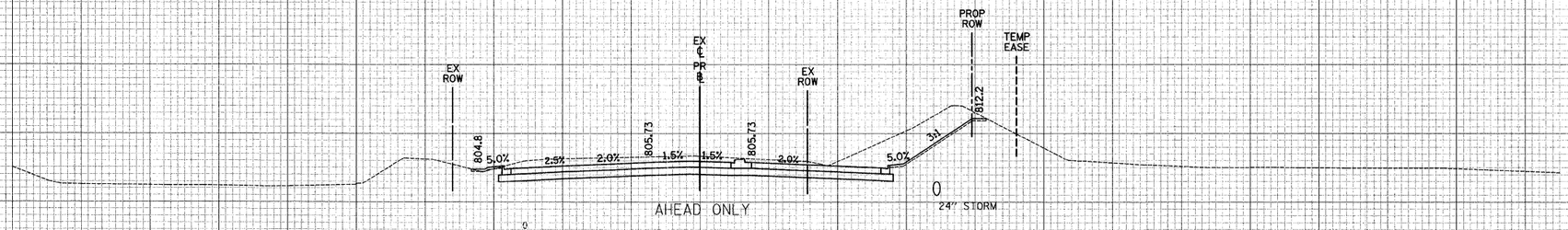
830 820 810 800 790



STA 438+00
STAGE 2
STAGE 3

CUT FILL
296.5 SF 0.0 SF
146.7 SF 1.7 SF

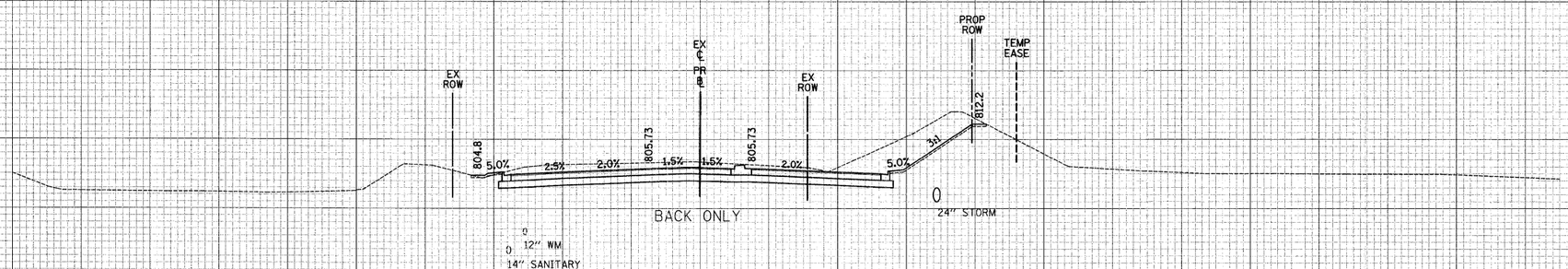
438 + 00.00



STA 437+50.10
STAGE 2
STAGE 3

CUT FILL
276.2 SF 0.0 SF
155.5 SF 0.1 SF

437 + 50.10



STA 437+50
STAGE 2
STAGE 3

CUT FILL
276.2 SF 0.0 SF
155.5 SF 0.1 SF

437 + 50.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

DATE	BY	
		SURVEYED
		PLOTTED
		FIELD BOOK
		NOTE BOOK
		NO.

FINAL SURVEY

AREAS CHECKED

DATE	BY	
		SURVEYED
		PLOTTED
		FIELD BOOK
		NOTE BOOK
		NO.

ORIGINAL SURVEY

AREAS CHECKED

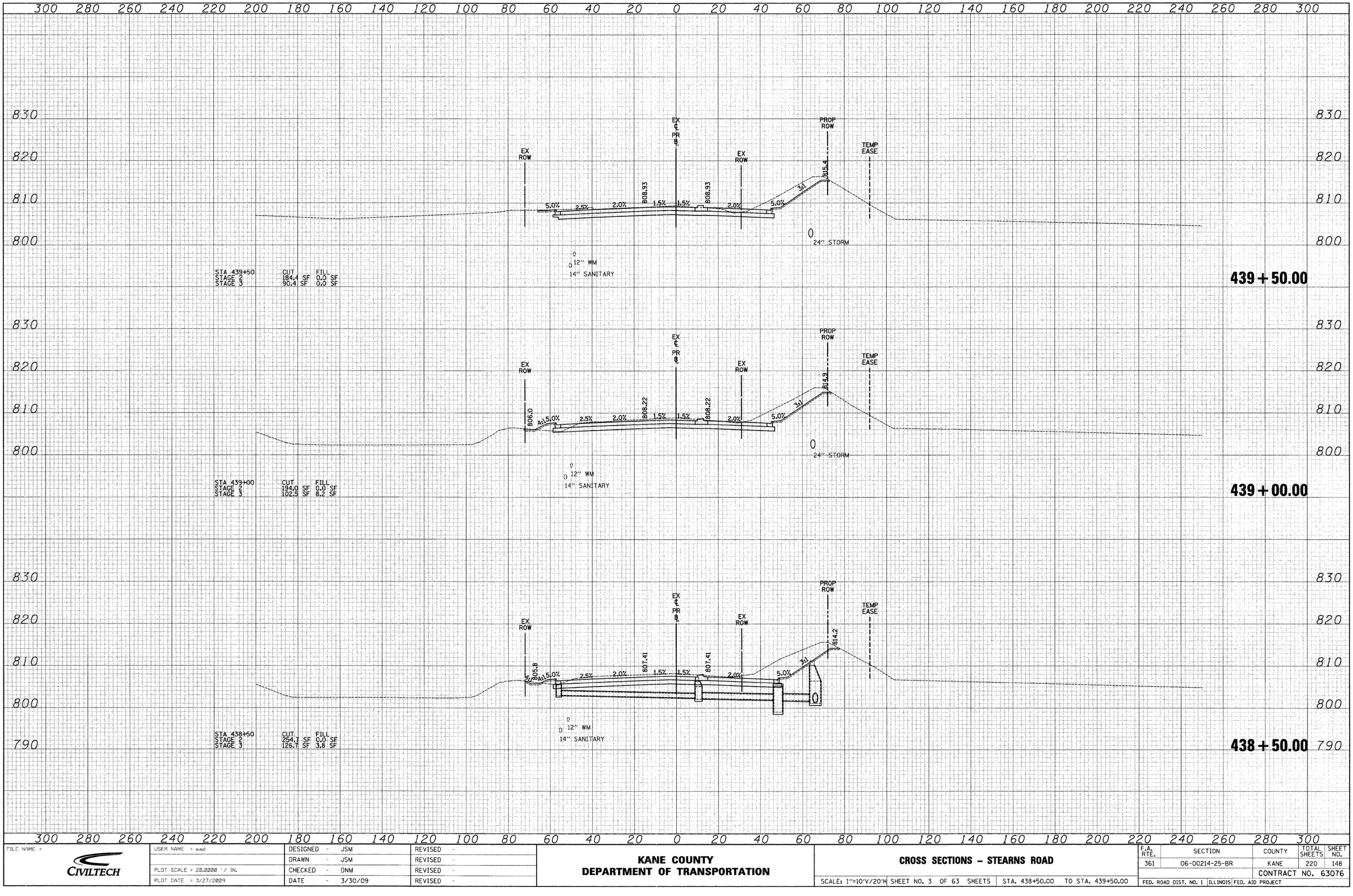
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 2 OF 63 SHEETS | STA. 437+50.00 TO STA. 438+00.00

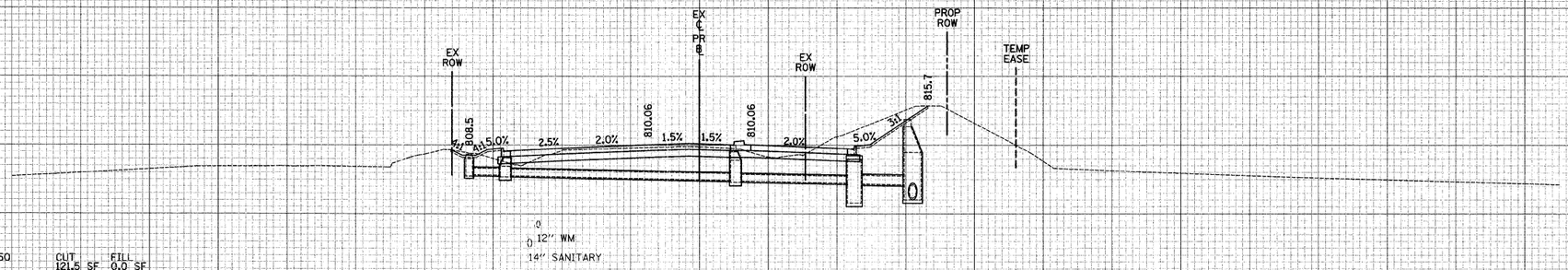
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	147
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		


300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300
830
820
810
800
790
EX ROW
EX CL PR
EX ROW
PROP ROW
TEMP EASE
5.0%
2.5%
2.0%
808.93
1.5%
1.5%
808.93
2.0%
5.0%
3:1
815.4
0
24" STORM
0
0 12" WM
14" SANITARY
STA 439+50
STAGE 2
STAGE 3
CUT
184.4 SF
90.4 SF
FILL
0.0 SF
0.0 SF
439+50.00
806.0
4:1
808.22
814.9
STA 439+00
194.0 SF
102.5 SF
8.2 SF
439+00.00
805.8
807.41
814.2
STA 438+50
254.7 SF
126.7 SF
3.8 SF
438+50.00

| | | |

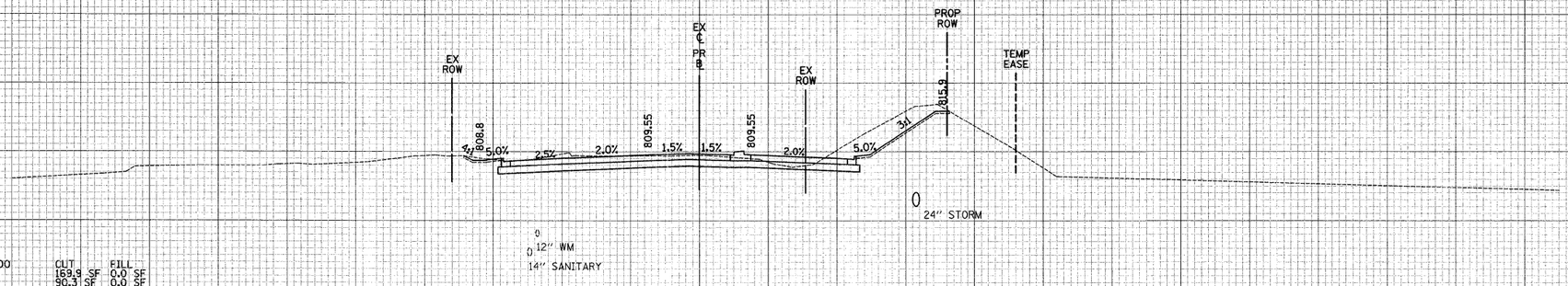
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830 820 810 800



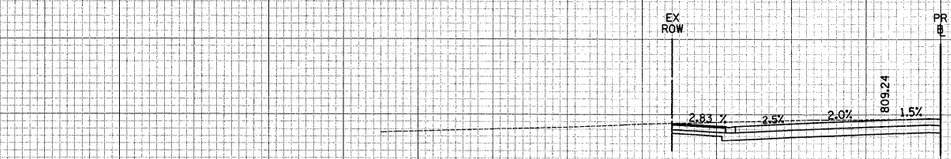
STA 440+50 CUT FILL
STAGE 2 121.5 SF 0.0 SF
STAGE 3 66.1 SF 6.1 SF

440 + 50.00



STA 440+00 CUT FILL
STAGE 2 169.9 SF 0.0 SF
STAGE 3 90.3 SF 0.0 SF

440 + 00.00



439 + 74.54

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

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

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FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 4 OF 63 SHEETS | STA. 439+74.54 | TO STA. 440+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	149
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

820 810 800 790

EX ROW | EX PROP ROW | EX ROW | PROP ROW | TEMP EASE

4 | 808.8 | 4:1 | 5.0% | 2.5% | 2.0% | 811.04 | 1.5% | 811.04 | 2.0% | 5.0% | 3:1 | 815.5

0 24" STORM

0 0 12" WM 14" SANITARY

STA 442+00 STAGE 2 STAGE 3

CUT 94.8 SF 72.2 SF

FILL 1.0 SF 17.3 SF

442+00.00

820 810 800 790

EX ROW | EX PROP ROW | EX ROW | PROP ROW | TEMP EASE

4 | 809.0 | 4:1 | 5.0% | 2.5% | 2.0% | 810.78 | 1.5% | 1.5% | 810.78 | 2.0% | 5.0% | 3:1 | 815.4

0 24" STORM

0 0 12" WM 14" SANITARY

STA 441+50 STAGE 2 STAGE 3

CUT 102.1 SF 71.4 SF

FILL 1.0 SF 7.3 SF

441+50.00

830 820 810 800

EX ROW | EX PROP ROW | EX ROW | PROP ROW | TEMP EASE

4 | 808.8 | 4:1 | 5.0% | 2.5% | 2.0% | 810.47 | 1.5% | 1.5% | 810.47 | 2.0% | 5.0% | 3:1 | 816.5

0 24" STORM

0 0 12" WM 14" SANITARY

STA 441+00 STAGE 2 STAGE 3

CUT 143.3 SF 73.3 SF

FILL 0.0 SF 5.5 SF

441+00.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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

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USER NAME = ead

PLOT SCALE = 20.0000 ' / IN.

PLOT DATE = 3/27/2009

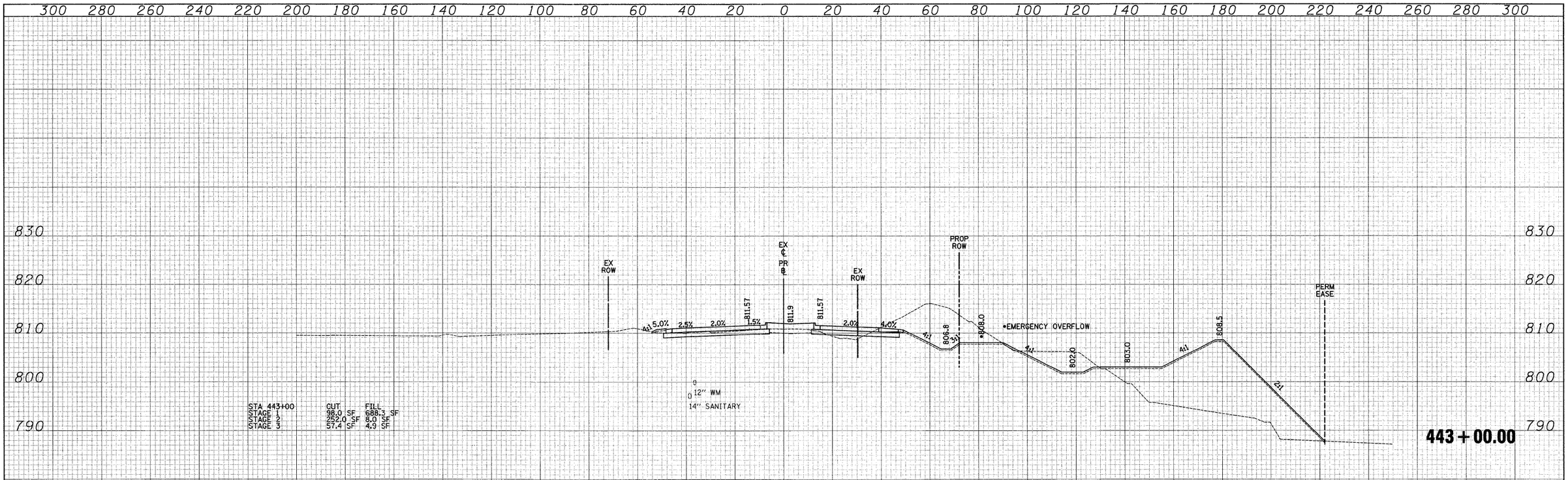
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DRAWN - JSM	REVISED -	
CHECKED - DNM	REVISED -	
DATE - 3/30/09	REVISED -	

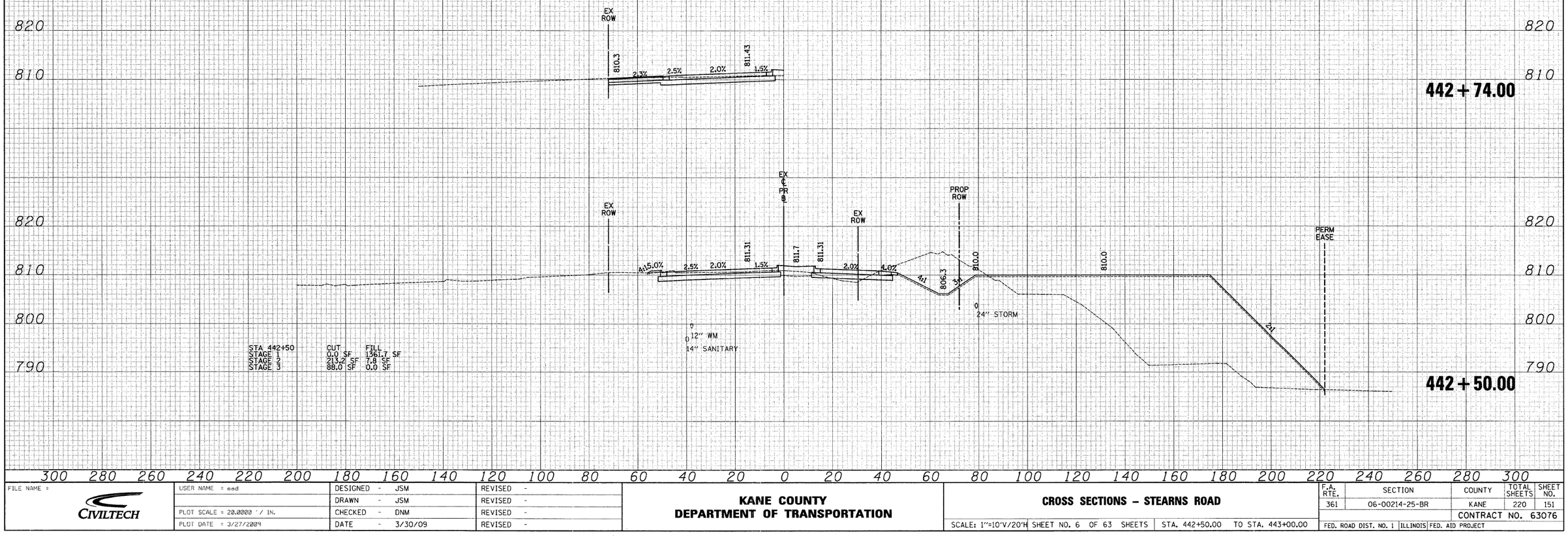
KANE COUNTY DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 5 OF 63 SHEETS | STA. 441+00.00 TO STA. 442+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	150
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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

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

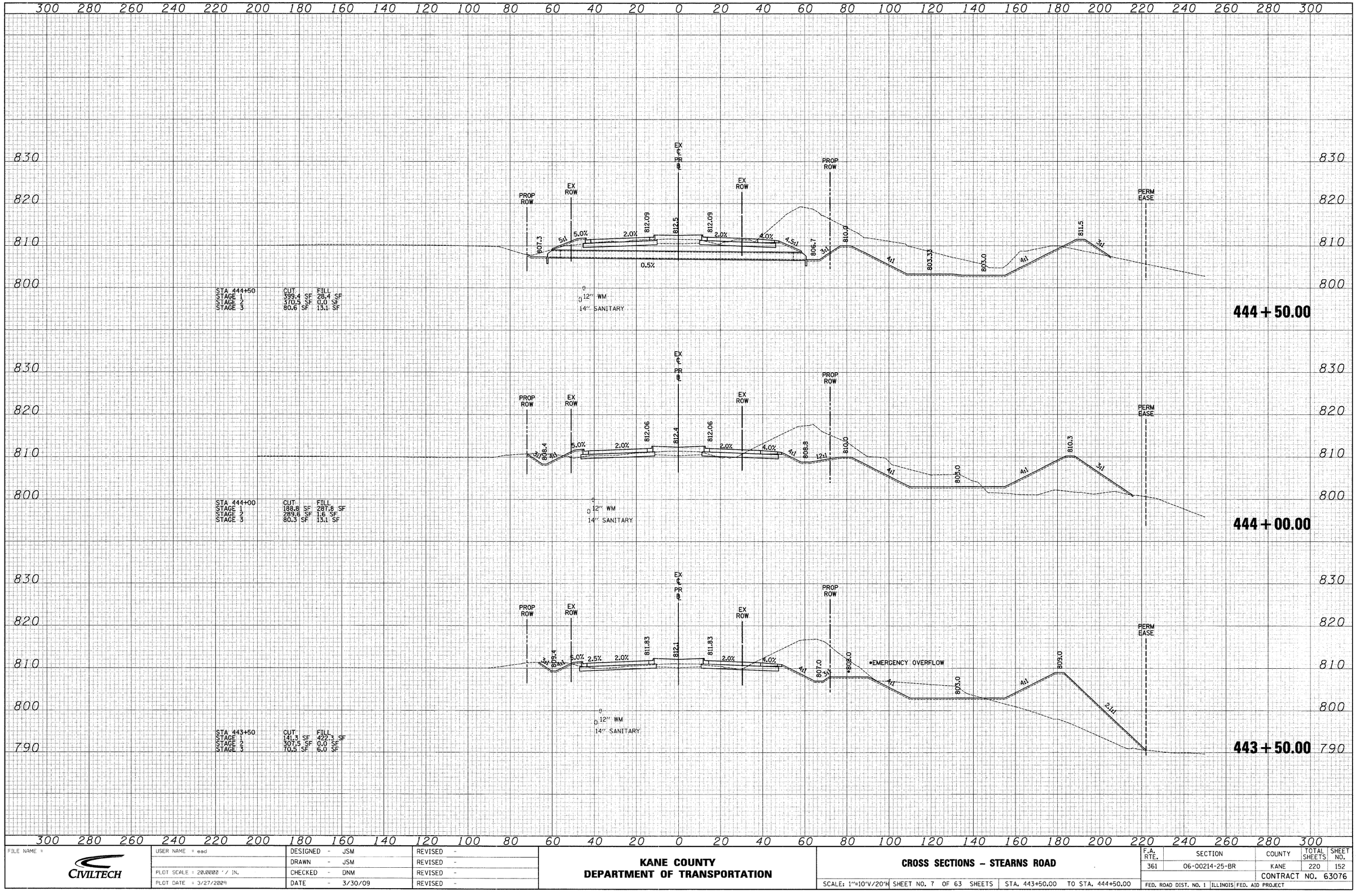
FILE NAME =	USER NAME = eed	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 6 OF 63 SHEETS | STA. 442+50.00 TO STA. 443+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	151
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

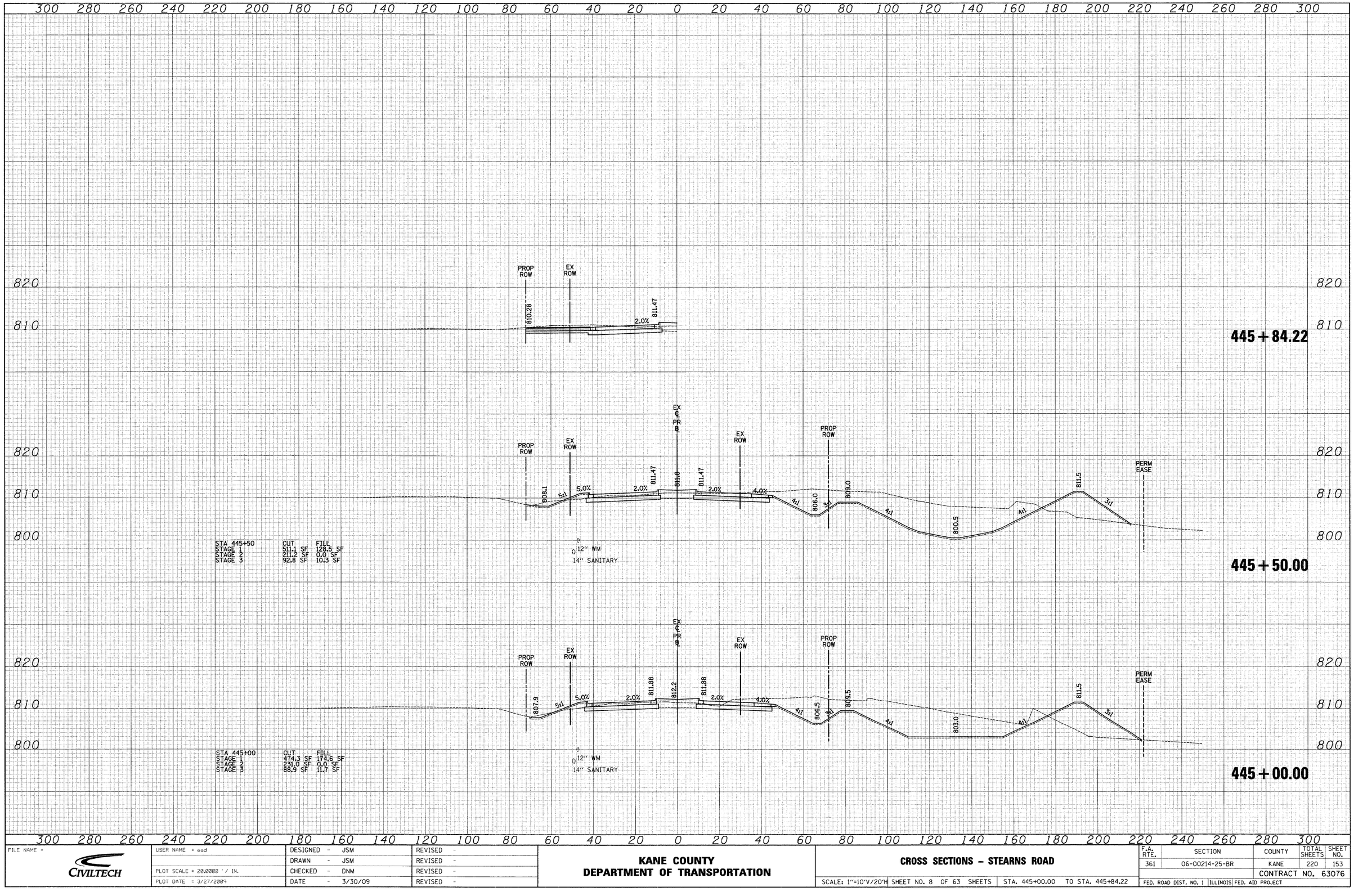
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 7 OF 63 SHEETS | STA. 443+50.00 TO STA. 444+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	152
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

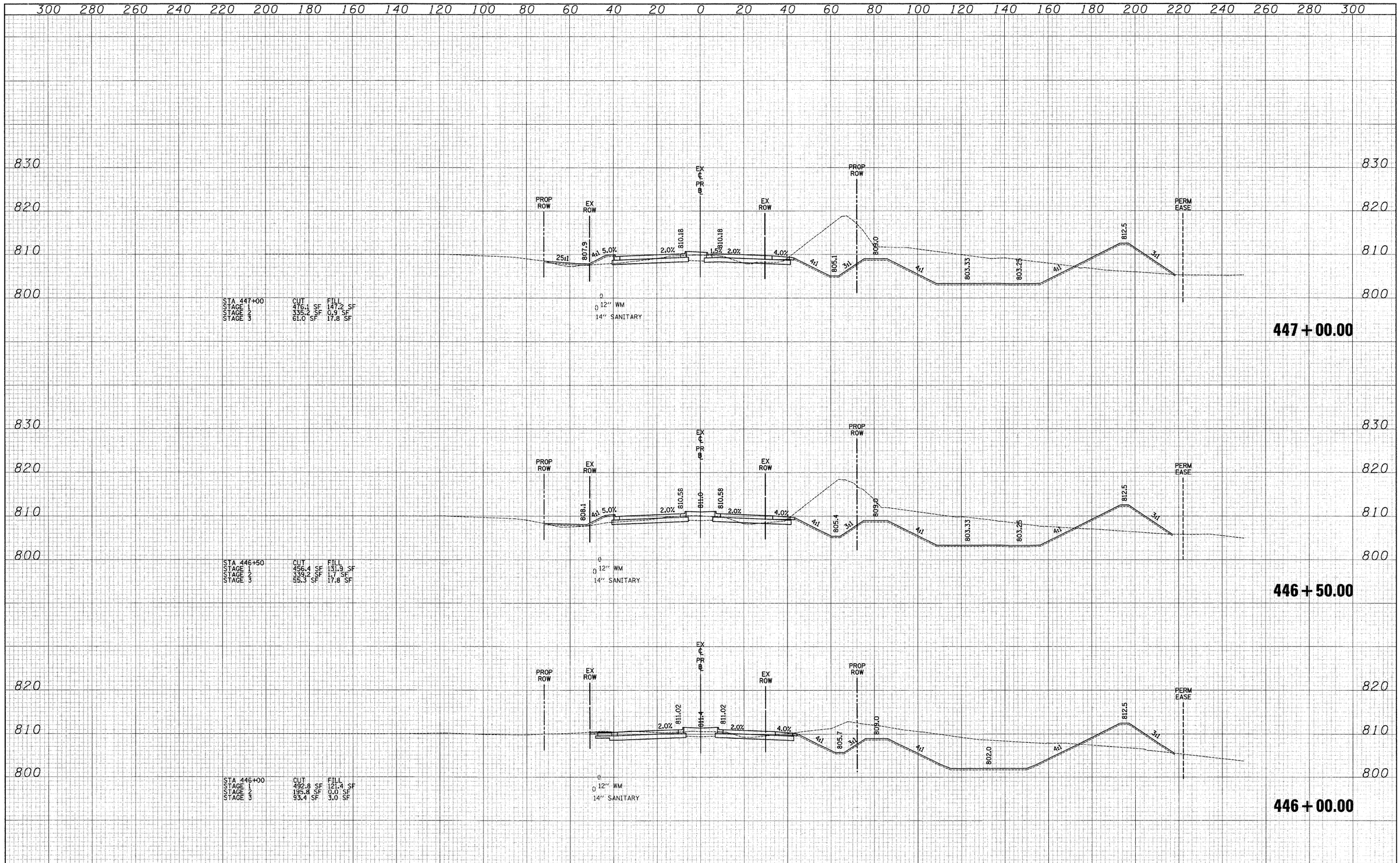
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CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 8 OF 63 SHEETS | STA. 445+00.00 TO STA. 445+84.22

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	153
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =

CIVILTECH

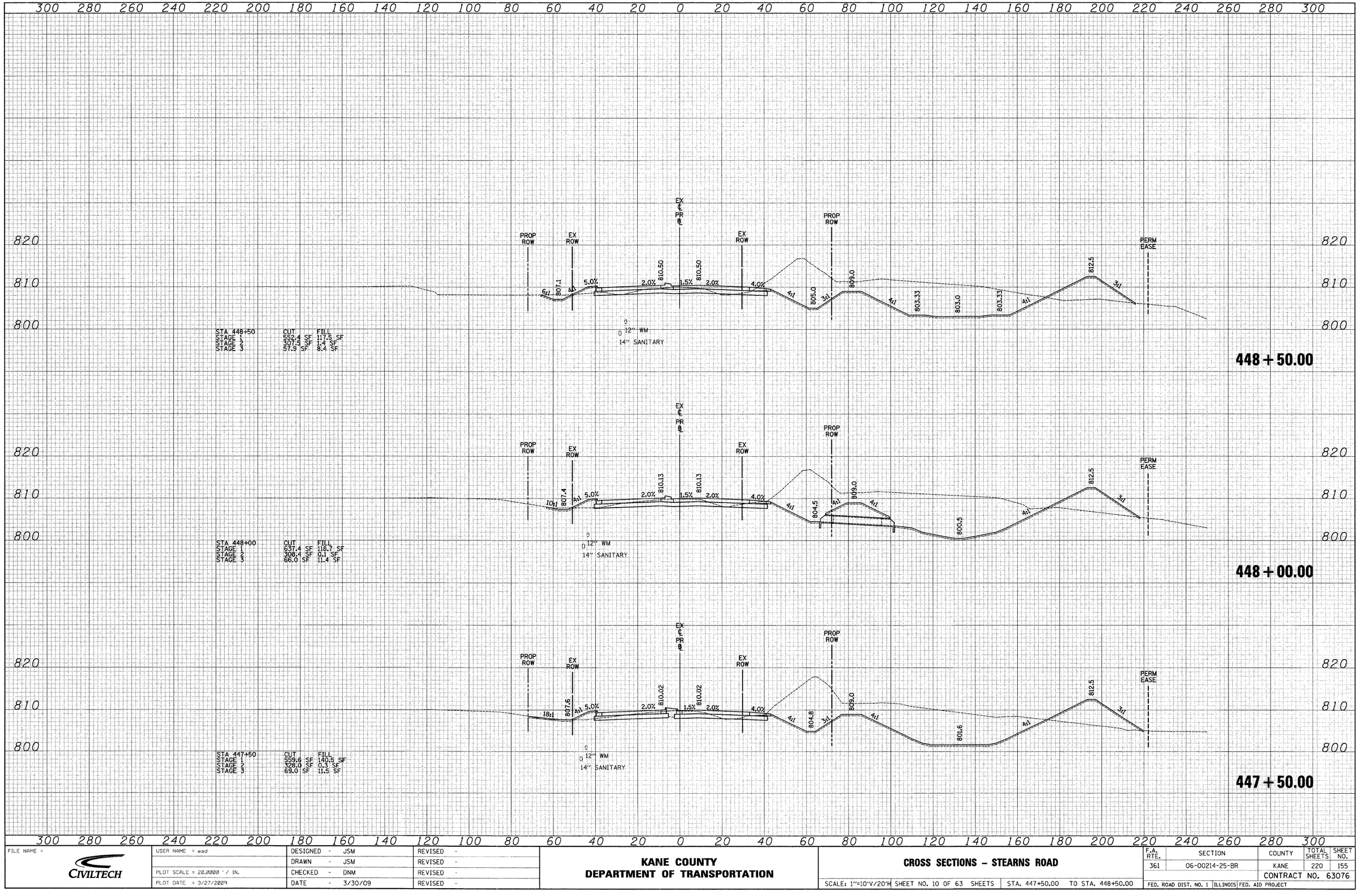
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	DRAWN - JSM	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 9 OF 63 SHEETS | STA. 446+00.00 TO STA. 447+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	154
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

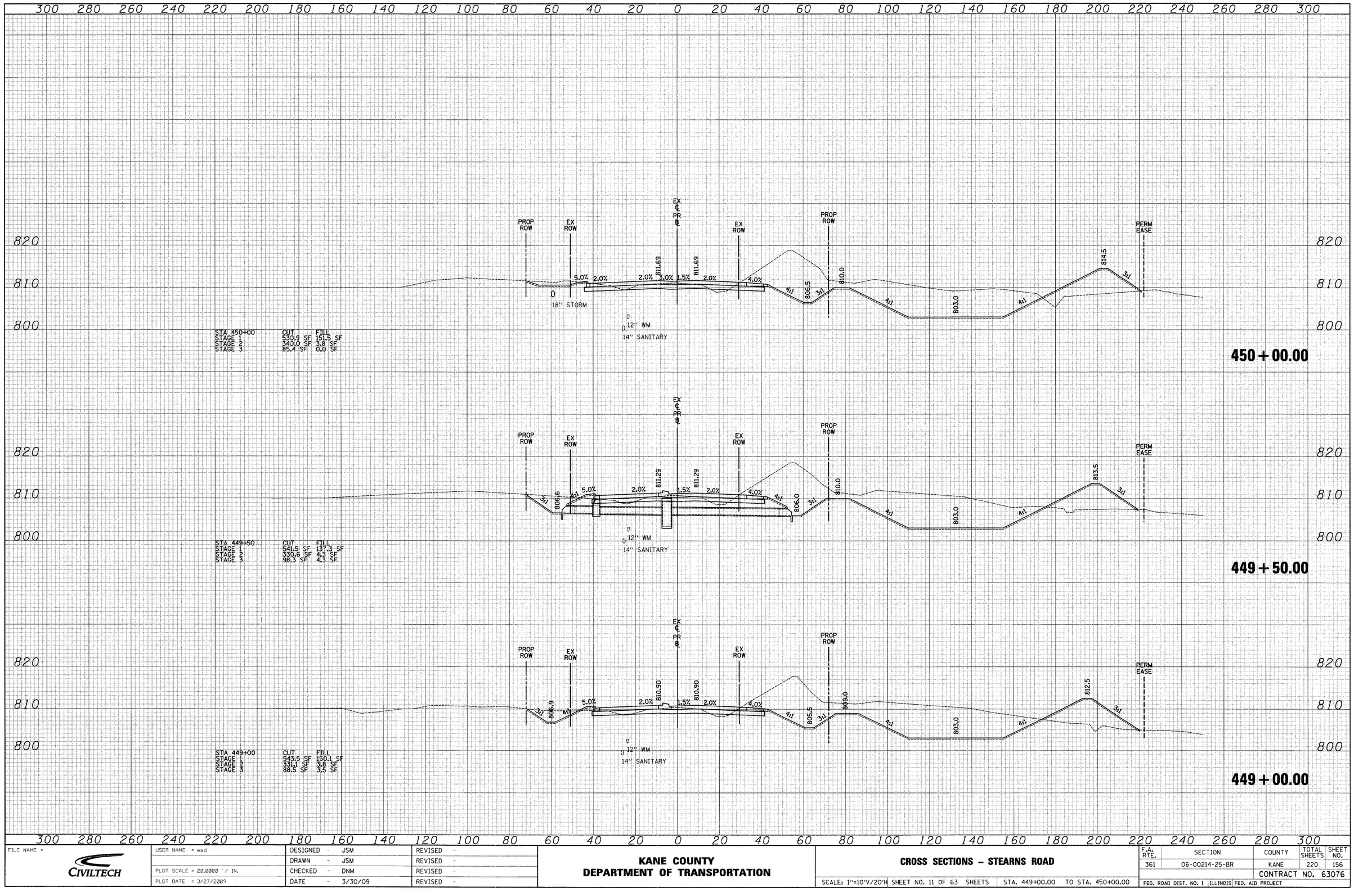
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 10 OF 63 SHEETS | STA. 447+50.00 TO STA. 448+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	155
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



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

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

FILE NAME =	USER NAME = eed	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

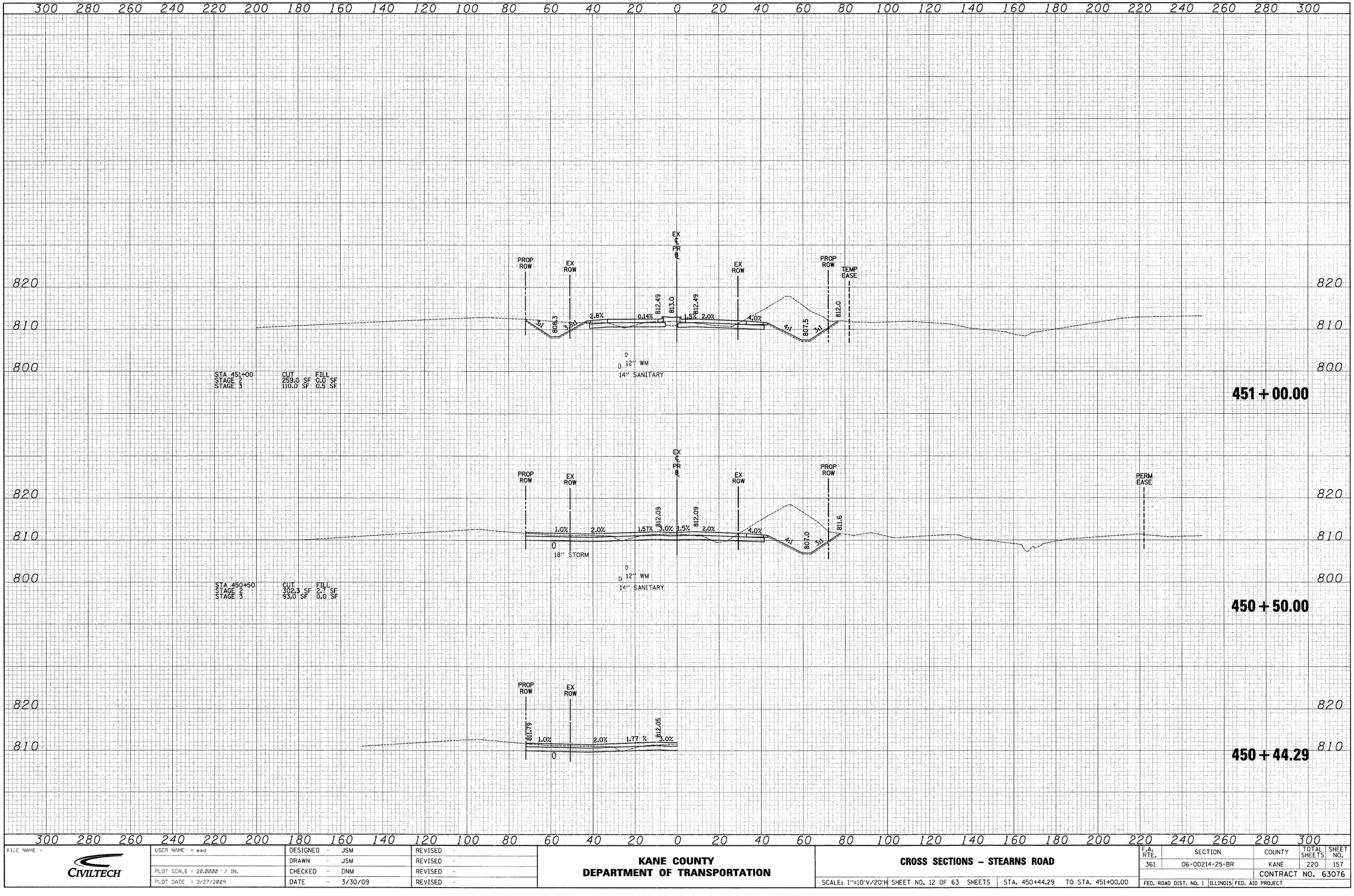
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 11 OF 63 SHEETS | STA. 449+00.00 TO STA. 450+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	156
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	KANE COUNTY DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS – STEARNS ROAD
CIVILTECH		DRAWN - JSM	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 12 OF 63 SHEETS STA. 450+44.29 TO STA. 451+00.00
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

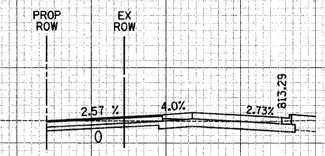
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	157
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

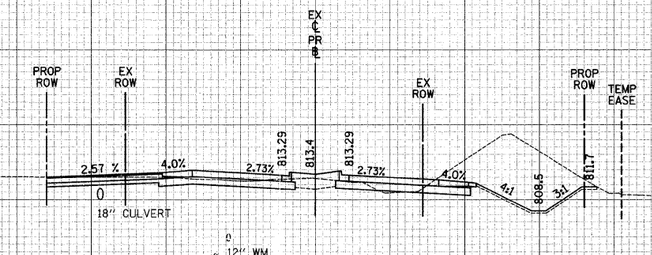
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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820 810 800 790 780

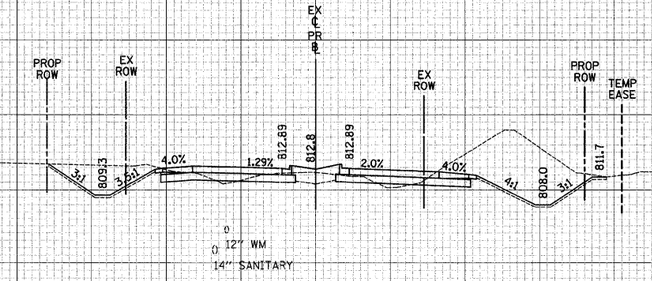


452+15.71



STA 452+00
STAGE 2 CUT 235.8 SF FILL 1.3 SF
STAGE 3 CUT 82.3 SF FILL 1.3 SF

452+00.00



STA 451+50
STAGE 2 CUT 236.1 SF FILL 3.1 SF
STAGE 3 CUT 120.8 SF FILL 2.4 SF

451+50.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

FILE NAME =	USER NAME = eed	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

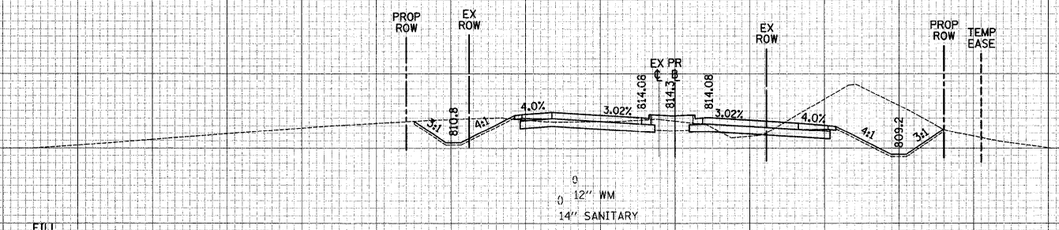
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 13 OF 63 SHEETS | STA. 451+50.00 TO STA. 452+15.71

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	158
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

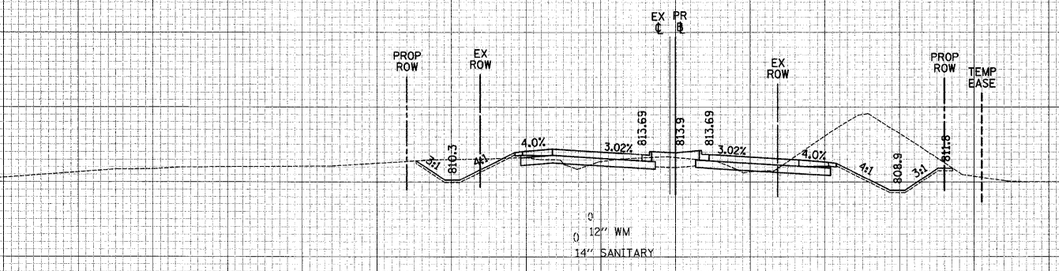
820 810 800 790



STA 453+00
STAGE 2
STAGE 3

CUT	FILL
223.9 SF	3.9 SF
110.1 SF	2.2 SF

453+00.00



STA 452+50
STAGE 2
STAGE 3

CUT	FILL
248.1 SF	0.9 SF
89.2 SF	5.0 SF

452+50.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

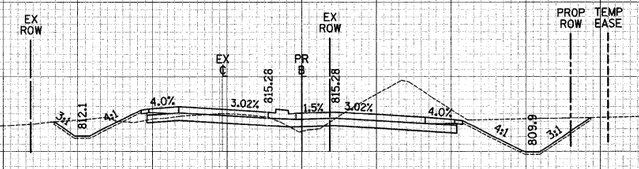
ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	**KANE COUNTY DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS – STEARNS ROAD**
CIVILTECH		DRAWN - JSM	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 14 OF 63 SHEETS STA. 452+50.00 TO STA. 453+00.00
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	159
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

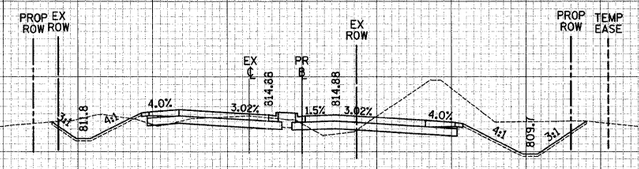
820
810
800



STA 454+50
STAGE 2
STAGE 3

CUT FILL
238.3 SF 0.0 SF
64.3 SF 8.6 SF

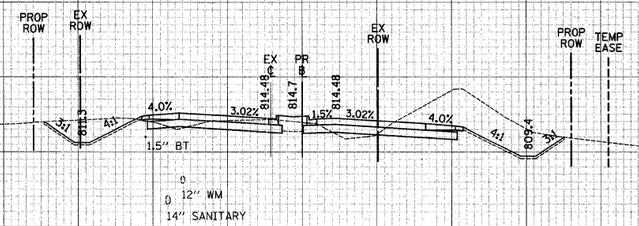
454+50.00



STA 454+00
STAGE 2
STAGE 3

CUT FILL
233.6 SF 2.5 SF
82.7 SF 7.1 SF

454+00.00



STA 453+50
STAGE 2
STAGE 3

CUT FILL
190.5 SF 5.2 SF
101.0 SF 2.6 SF

453+50.00

820
810
800
790

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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

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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

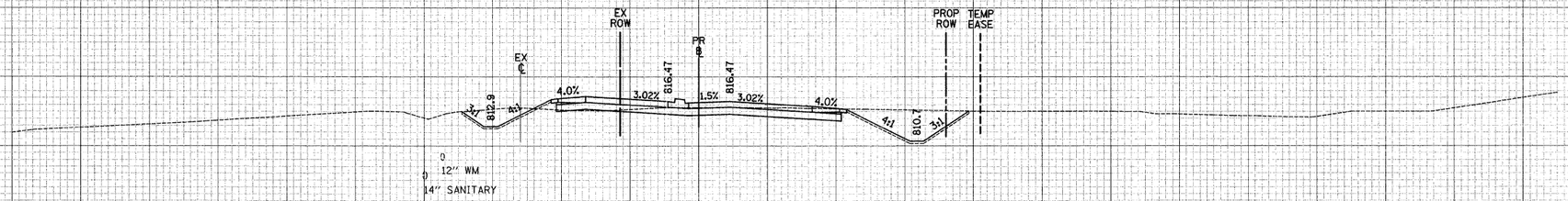
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 15 OF 63 SHEETS | STA. 453+50.00 TO STA. 454+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	160
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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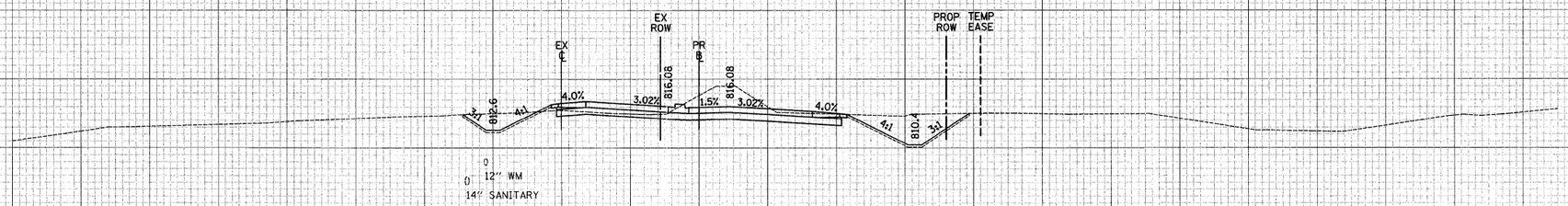
830 820 810 800



STA 456+00
STAGE 2
STAGE 3

CUT FILL
174.1 SF 0.8 SF
39.0 SF 4.2 SF

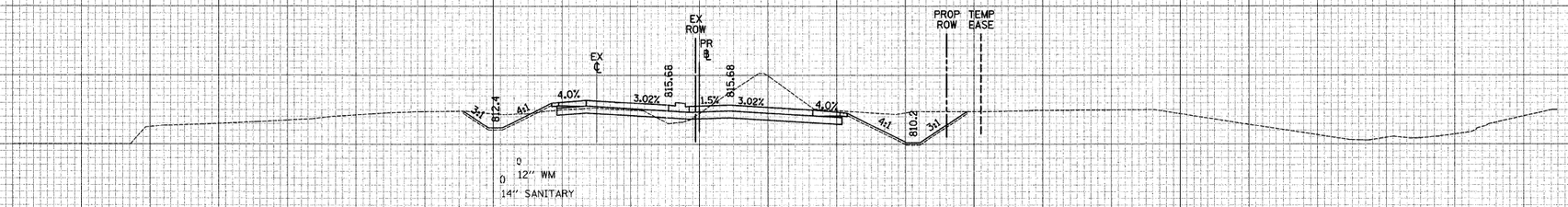
456 + 00.00



STA 455+50
STAGE 2
STAGE 3

CUT FILL
234.4 SF 0.0 SF
53.7 SF 1.4 SF

455 + 50.00



STA 455+00
STAGE 2
STAGE 3

CUT FILL
253.8 SF 4.1 SF
51.4 SF 3.2 SF

455 + 00.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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

FILE NAME =

CIVILTECH

USER NAME = ead
PLOT SCALE = 20.0000 ' / IN.
PLOT DATE = 3/27/2009

DESIGNED - JSM
DRAWN - JSM
CHECKED - DNM
DATE - 3/30/09

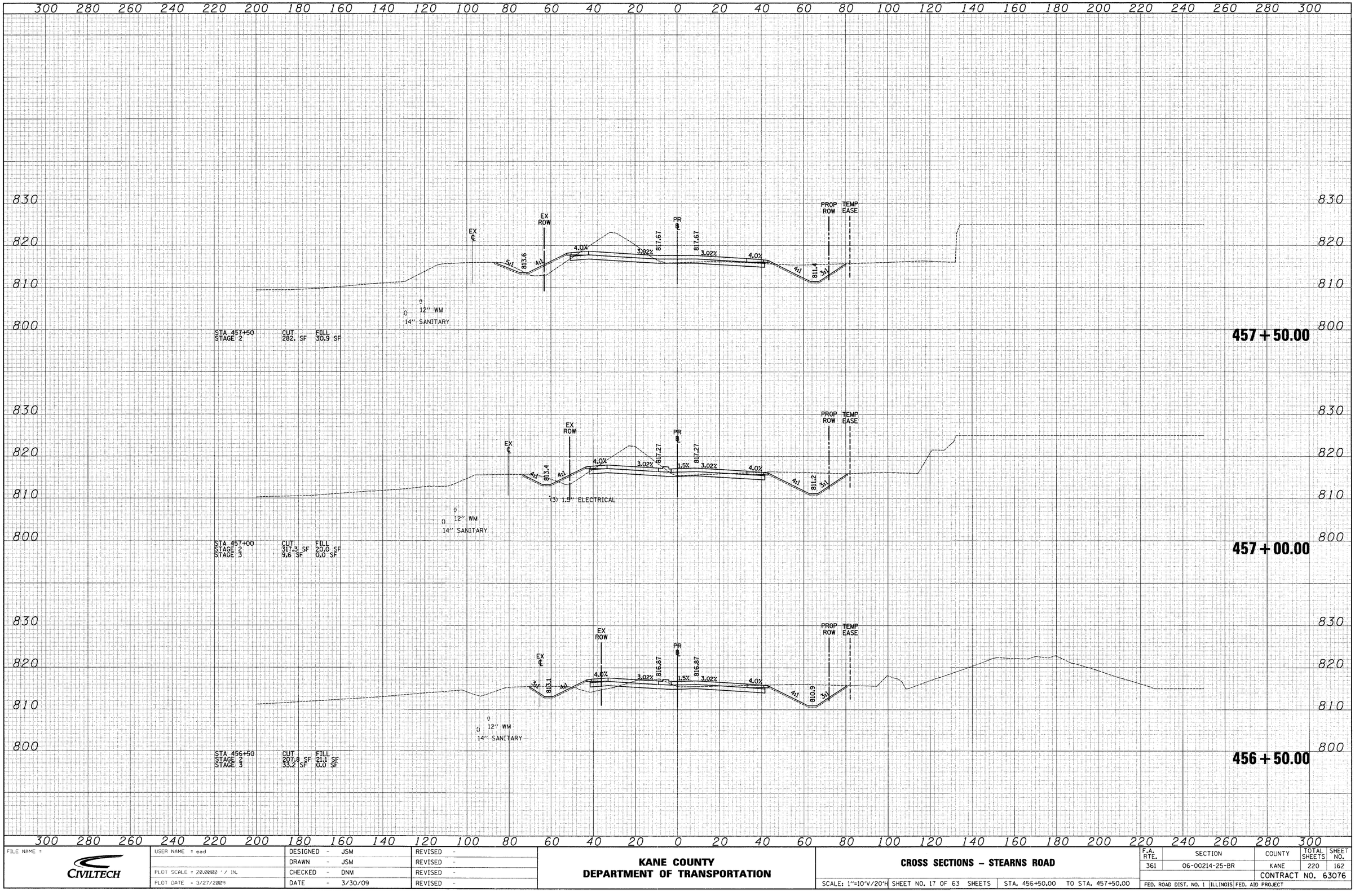
REVISED -
REVISED -
REVISED -
REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 16 OF 63 SHEETS | STA. 455+00.00 TO STA. 456+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	161
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =

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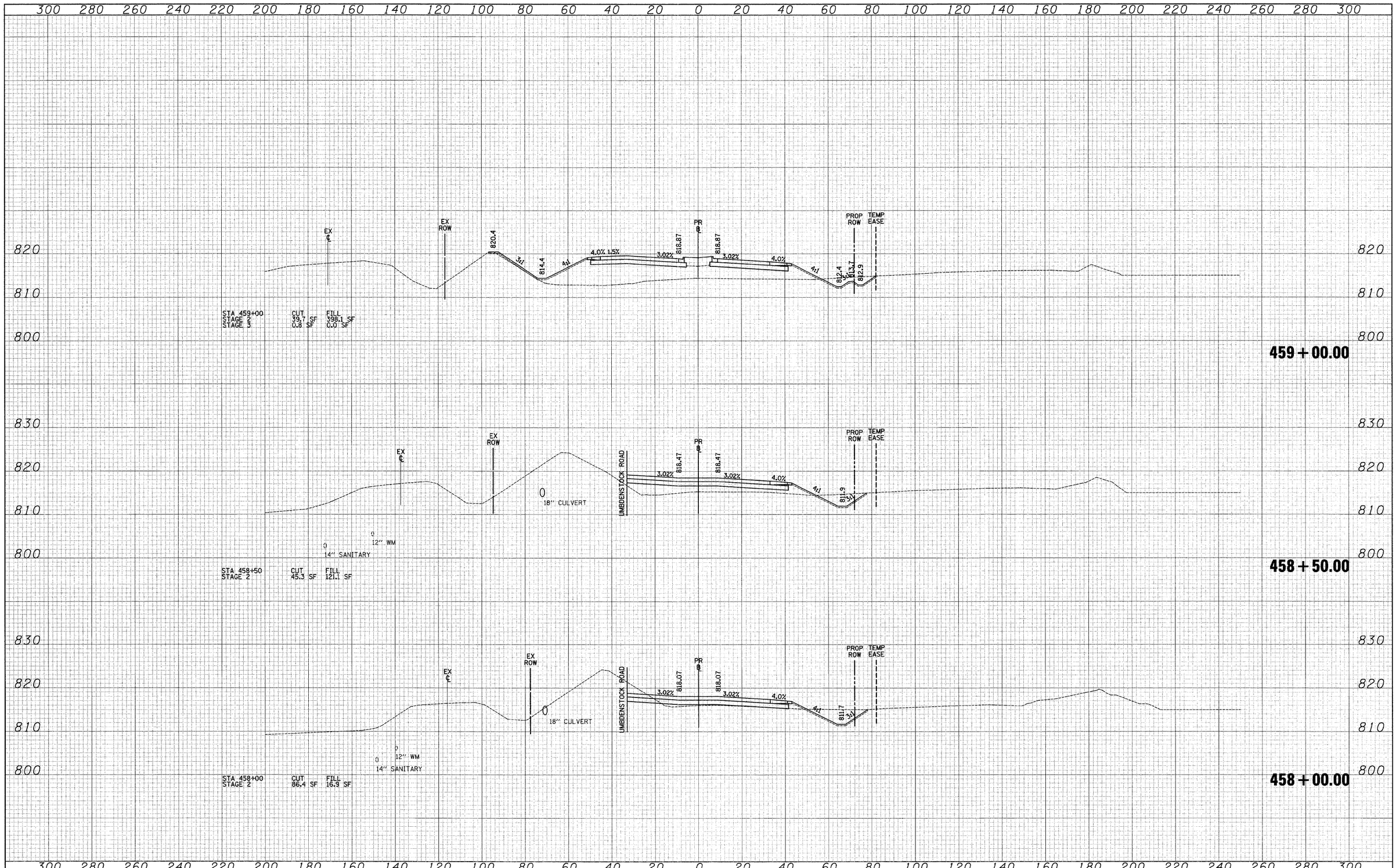
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	DRAWN - JSM	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -	
PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -	

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 17 OF 63 SHEETS | STA. 456+50.00 TO STA. 457+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	162
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME =

CIVILTECH

USER NAME = eod

PLOT SCALE = 20.0000 ' / IN.

PLOT DATE = 3/27/2009

DESIGNED	- JSM	REVISED	-
DRAWN	- JSM	REVISED	-
CHECKED	- DNM	REVISED	-
DATE	- 3/30/09	REVISED	-

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 18 OF 63 SHEETS | STA. 458+00.00 TO STA. 459+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	163
		CONTRACT NO. 63076		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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

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

FILE NAME =

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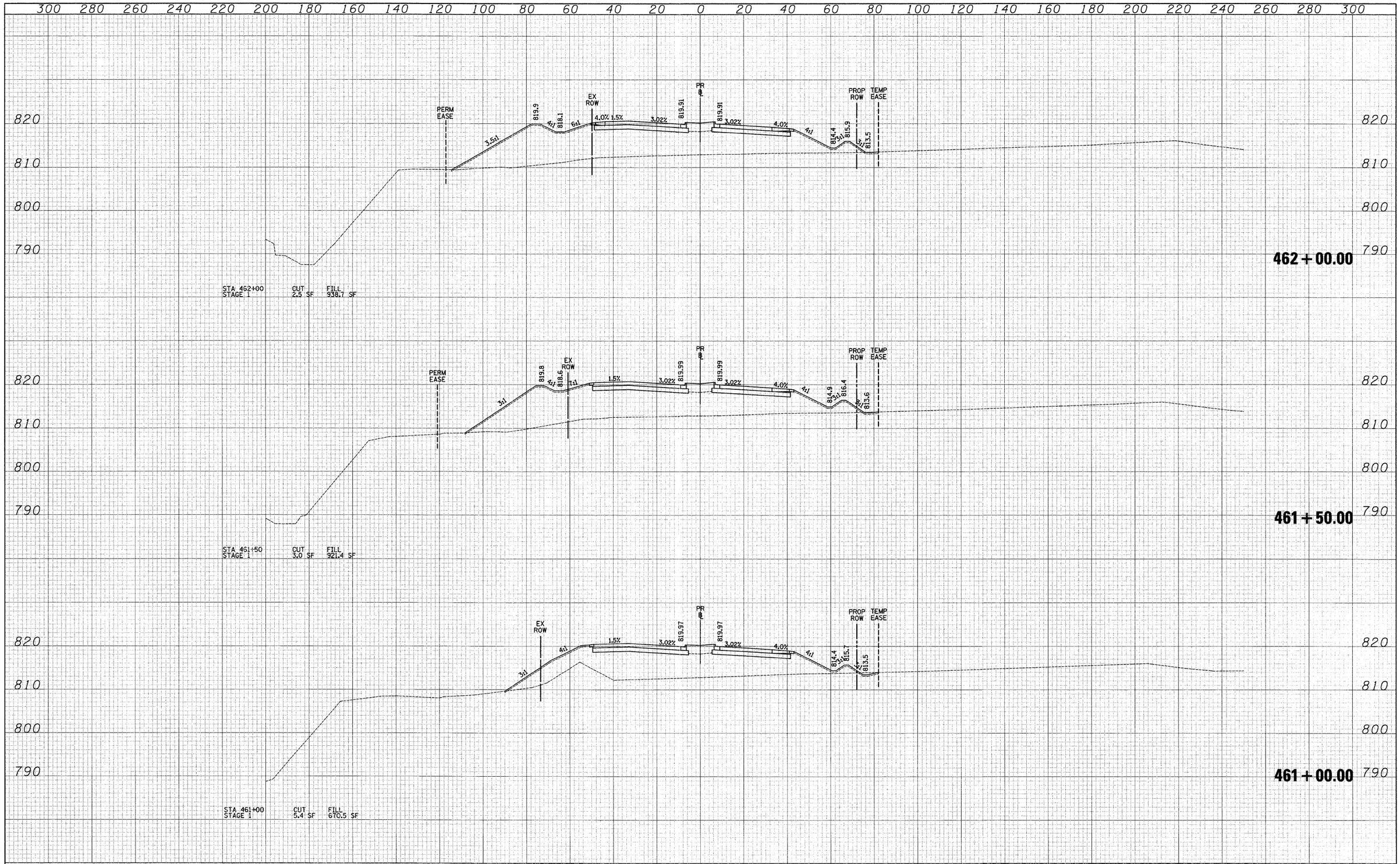
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	DRAWN - JSM	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 19 OF 63 SHEETS | STA. 459+50.00 TO STA. 460+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	164
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

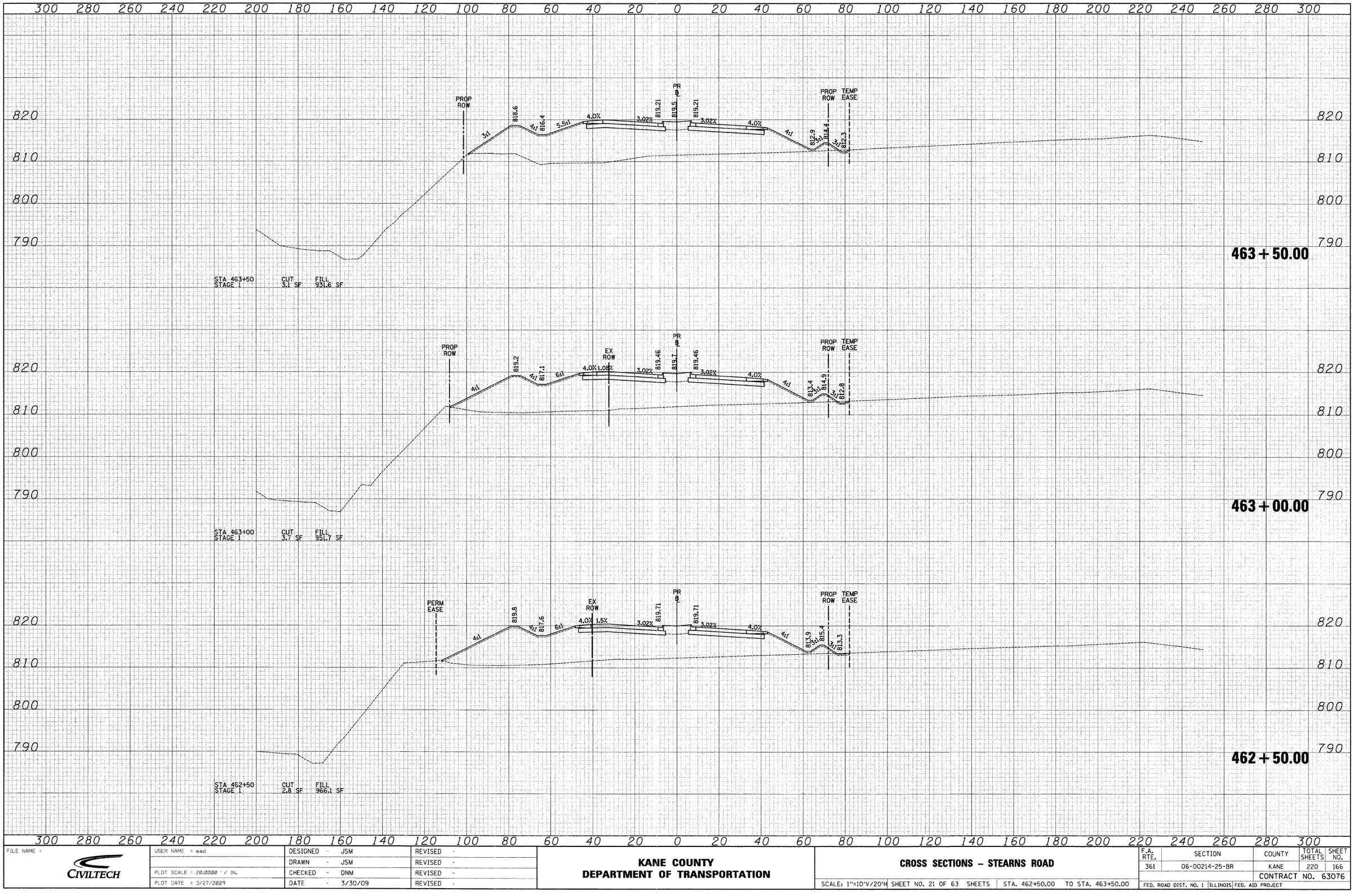
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 20 OF 63 SHEETS | STA. 461+00.00 TO STA. 462+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	165
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

NO.	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
FIELD AREAS		
AREAS CHECKED		

ORIGINAL SURVEY

NO.	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
FIELD AREAS		
AREAS CHECKED		

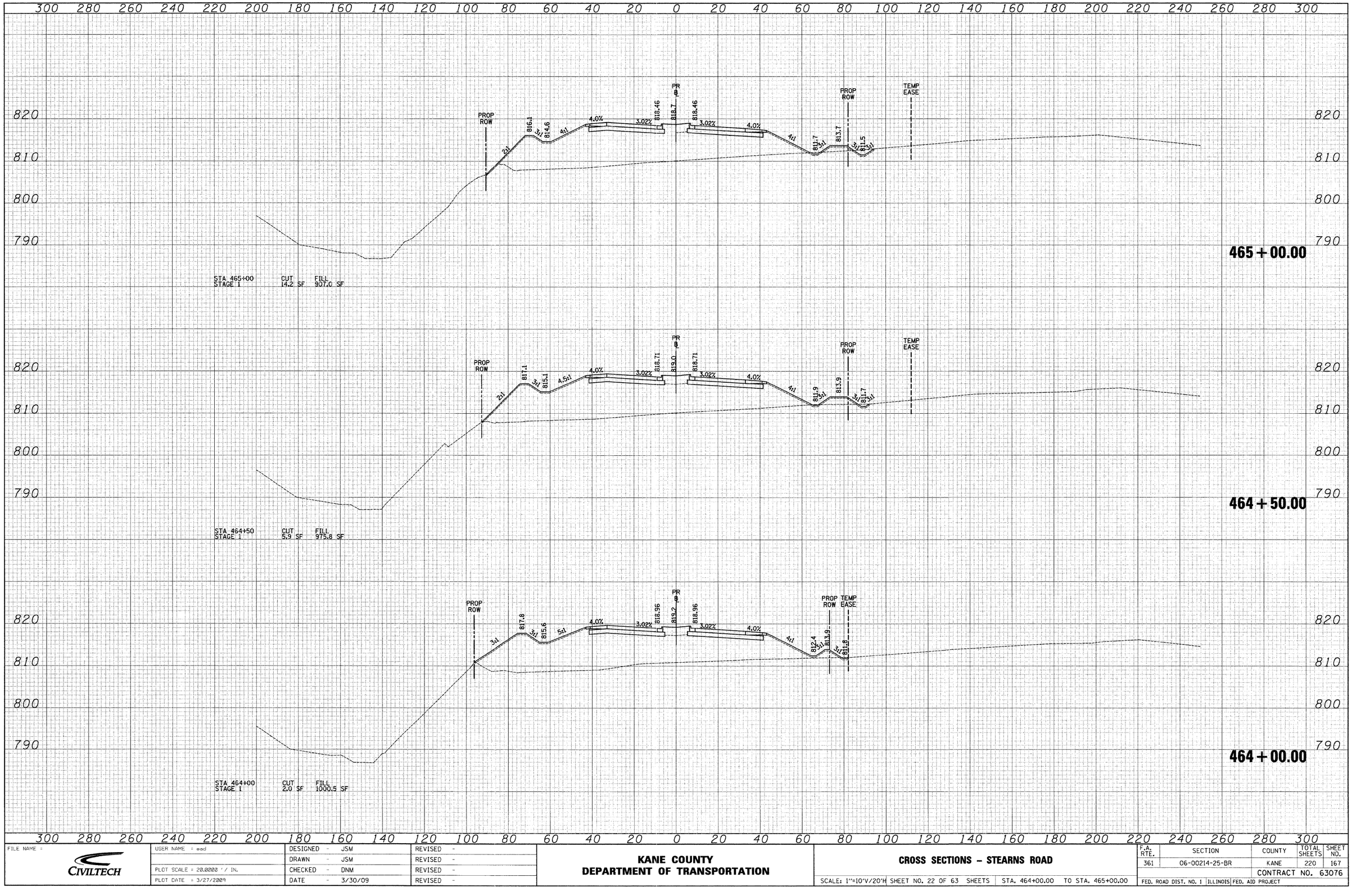
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 21 OF 63 SHEETS | STA. 462+50.00 TO STA. 463+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	166
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

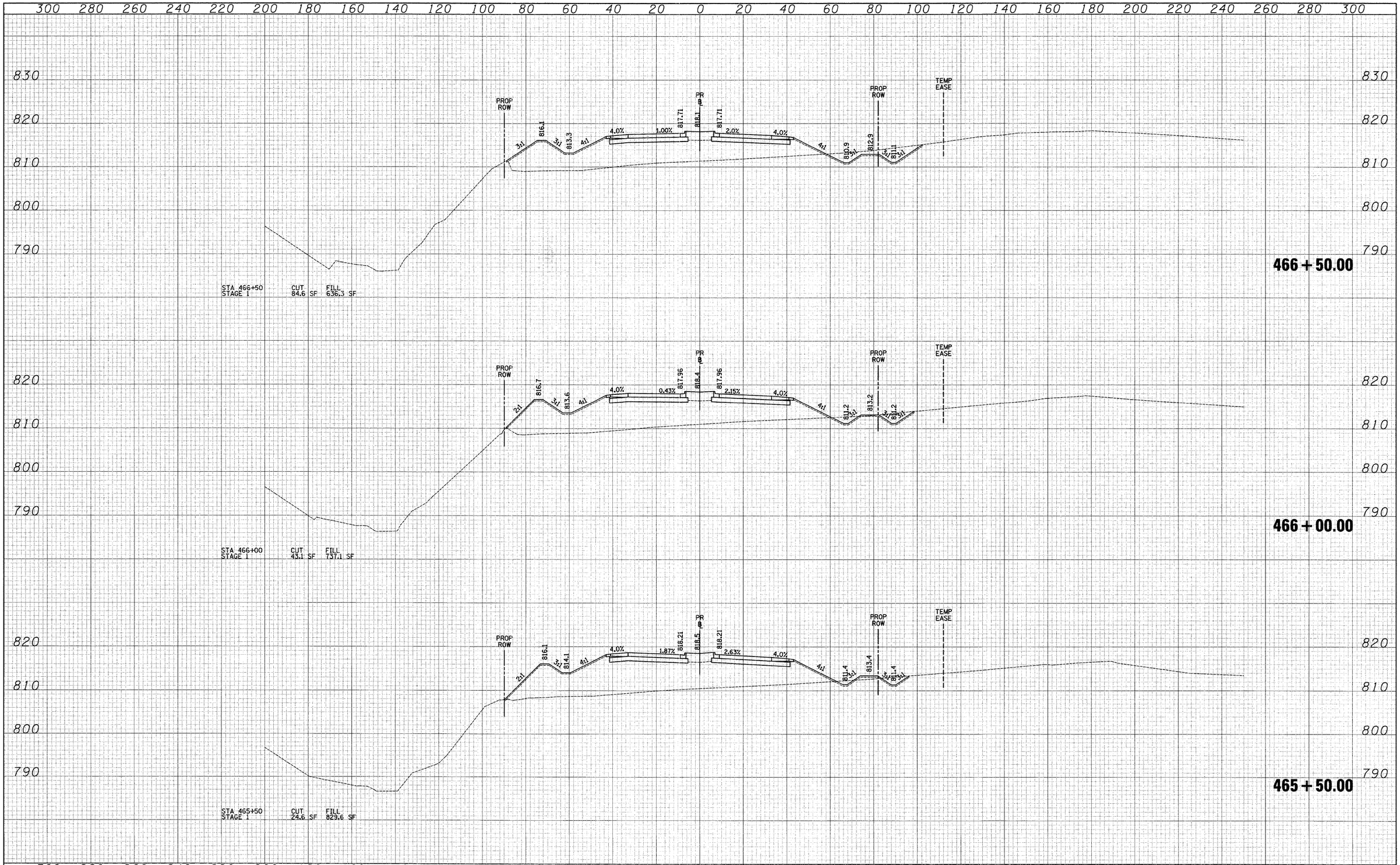
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 22 OF 63 SHEETS | STA. 464+00.00 TO STA. 465+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	167
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =	USER NAME = sad	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

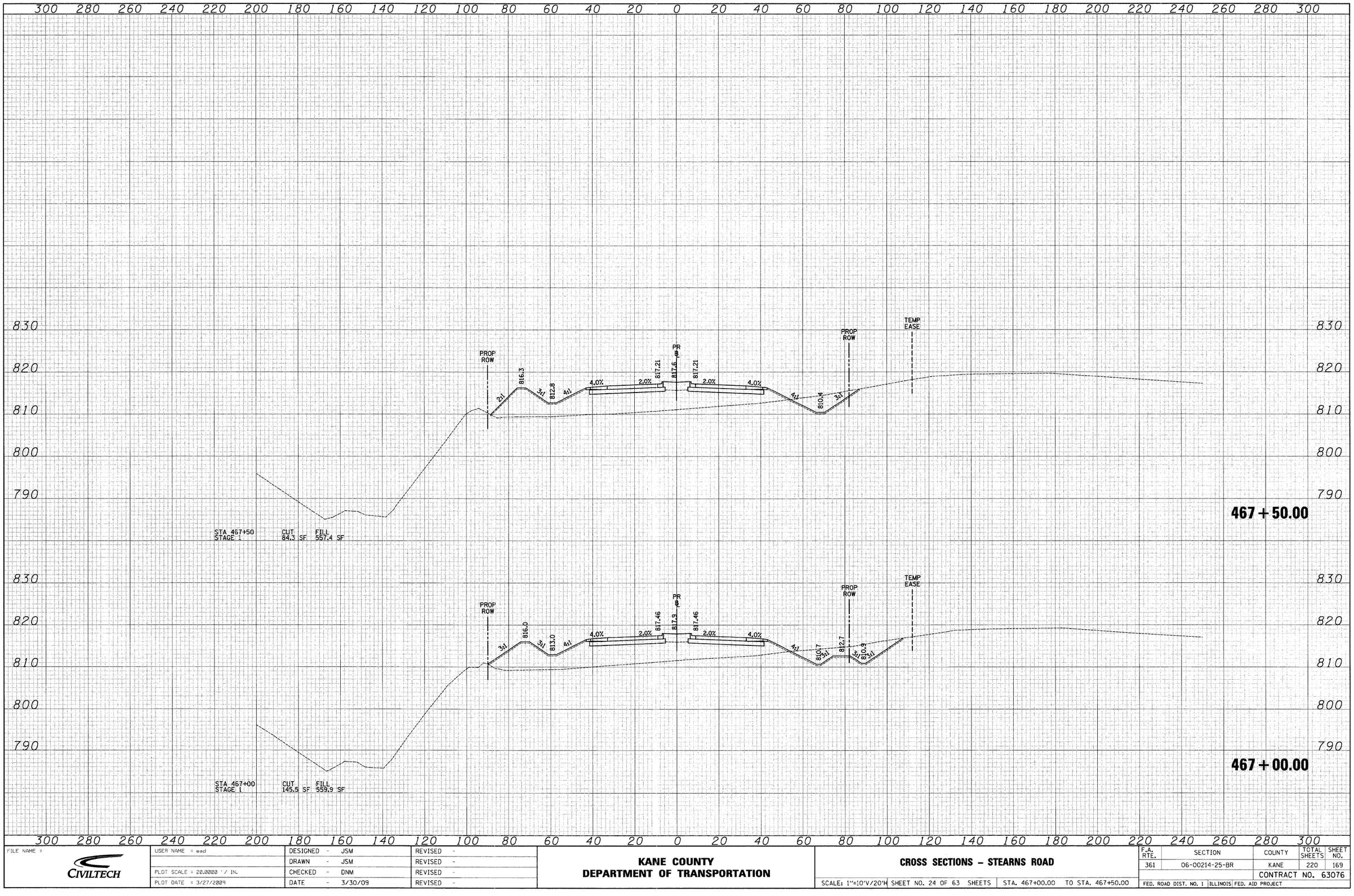
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 23 OF 63 SHEETS | STA. 465+50.00 TO STA. 466+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	168
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

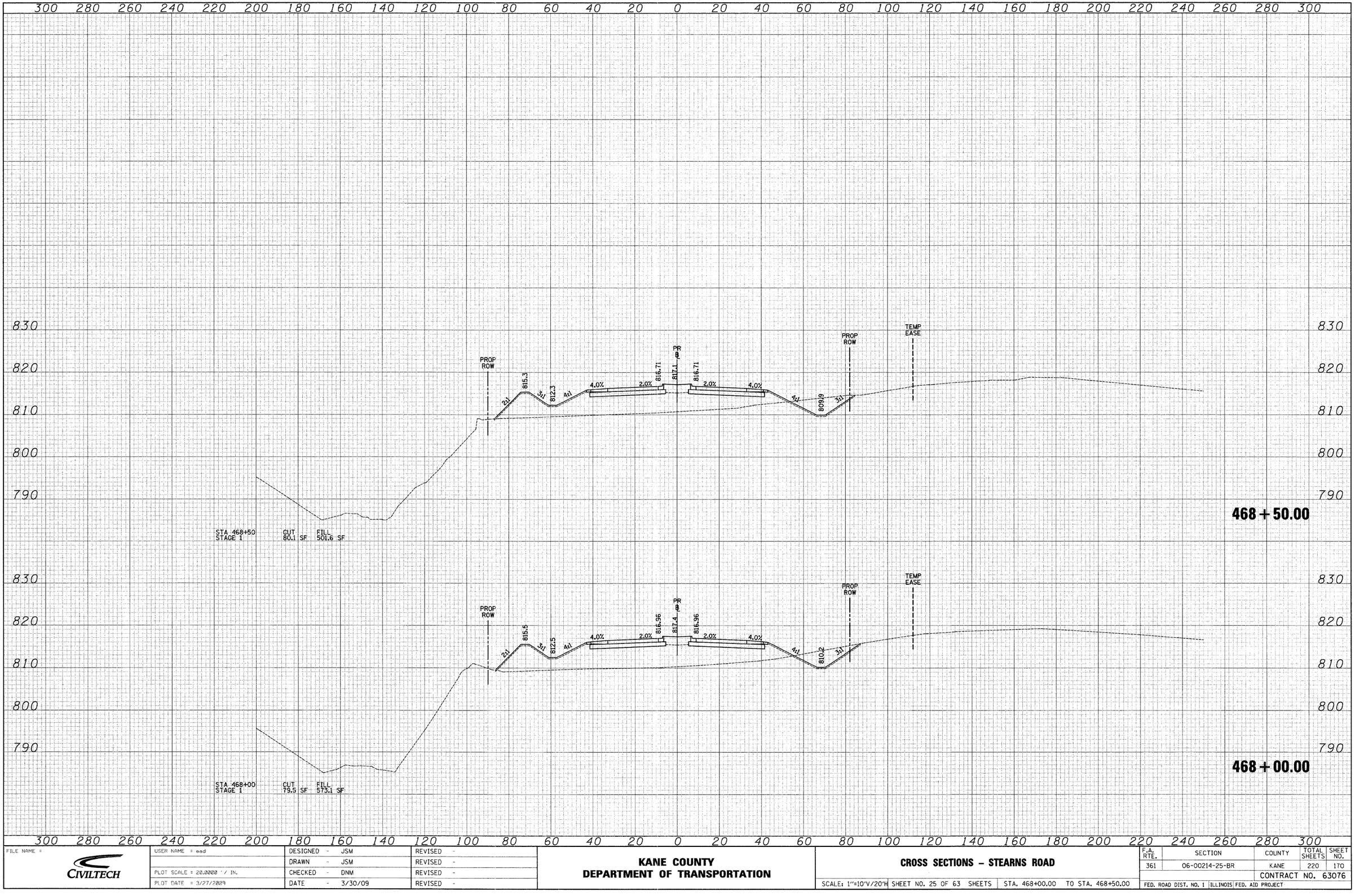
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 24 OF 63 SHEETS | STA. 467+00.00 TO STA. 467+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	169
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 25 OF 63 SHEETS | STA. 468+00.00 TO STA. 468+50.00

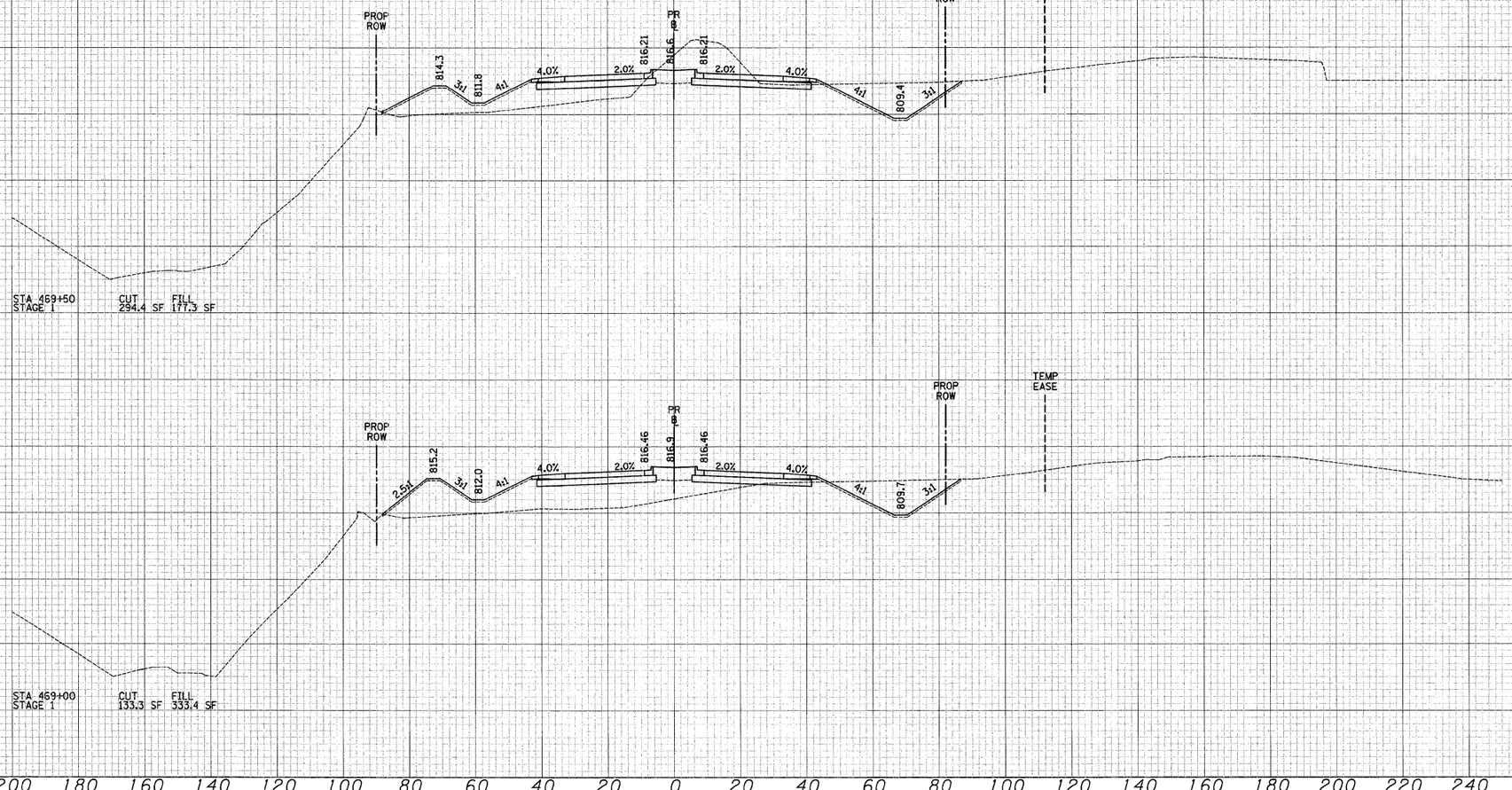
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	170
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

830 820 810 800 790



469+50.00

469+00.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

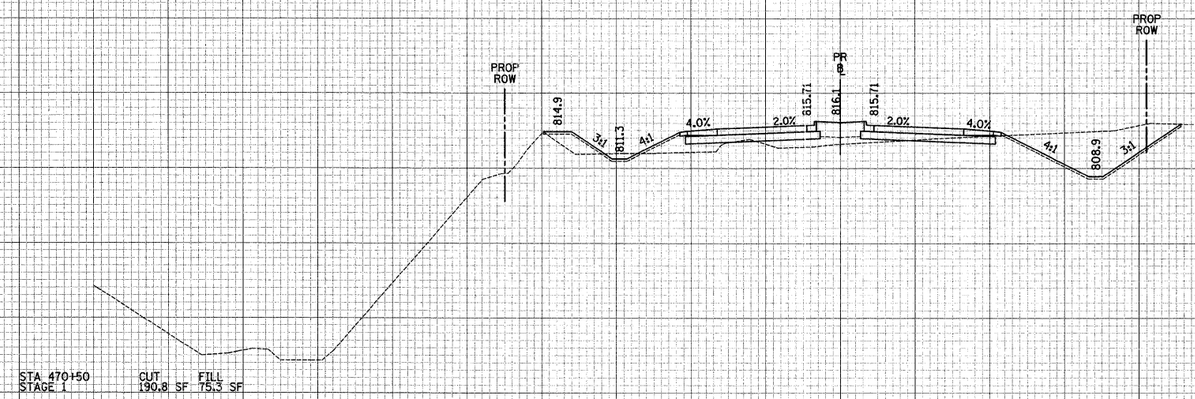
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 26 OF 63 SHEETS | STA. 469+00.00 TO STA. 469+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	171
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

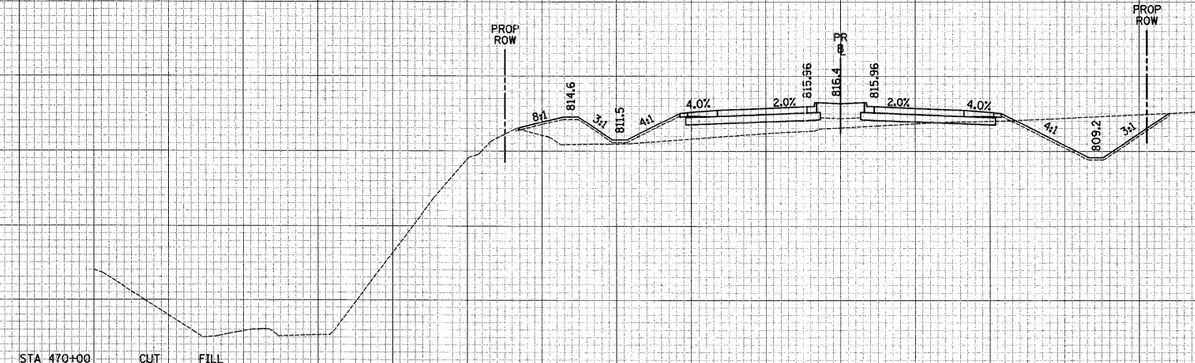
830 820 810 800 790



STA 470+50
STAGE 1

CUT 190.8 SF
FILL 75.3 SF

470 + 50.00



STA 470+00
STAGE 1

CUT 140.9 SF
FILL 161.9 SF

470 + 00.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

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

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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

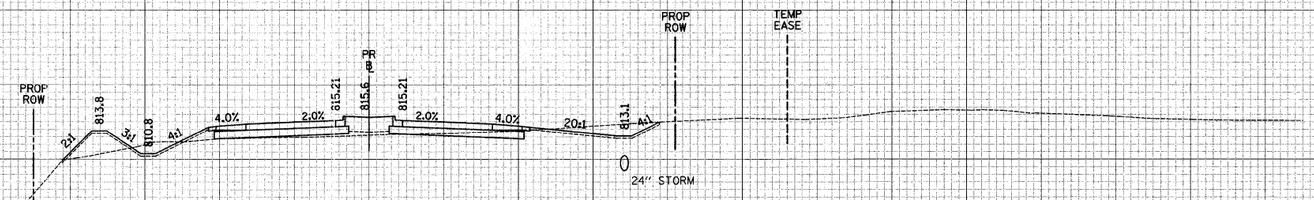
SCALE: 1"=10'V/20'H | SHEET NO. 27 OF 63 SHEETS | STA. 470+00.00 TO STA. 470+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	172
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

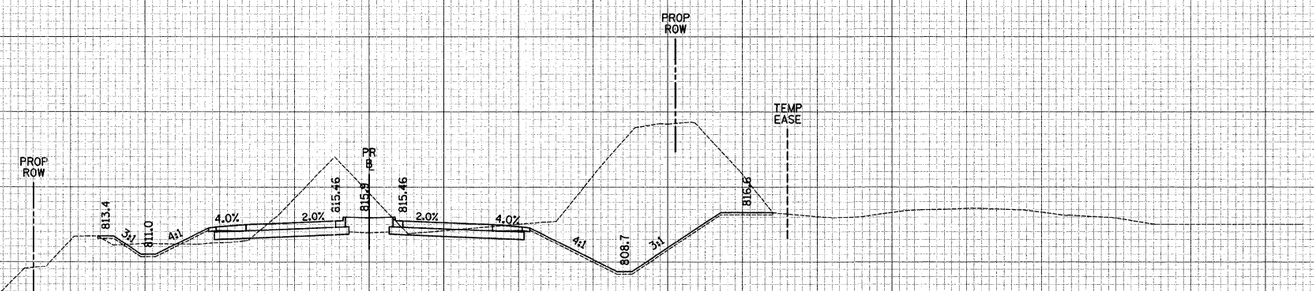
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830 820 810 800 790



STA 471+50
STAGE 1
CUT 68.5 SF
FILL 47.3 SF

471 + 50.00



STA 471+00
STAGE 1
CUT 947.2 SF
FILL 18.5 SF

471 + 00.00

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

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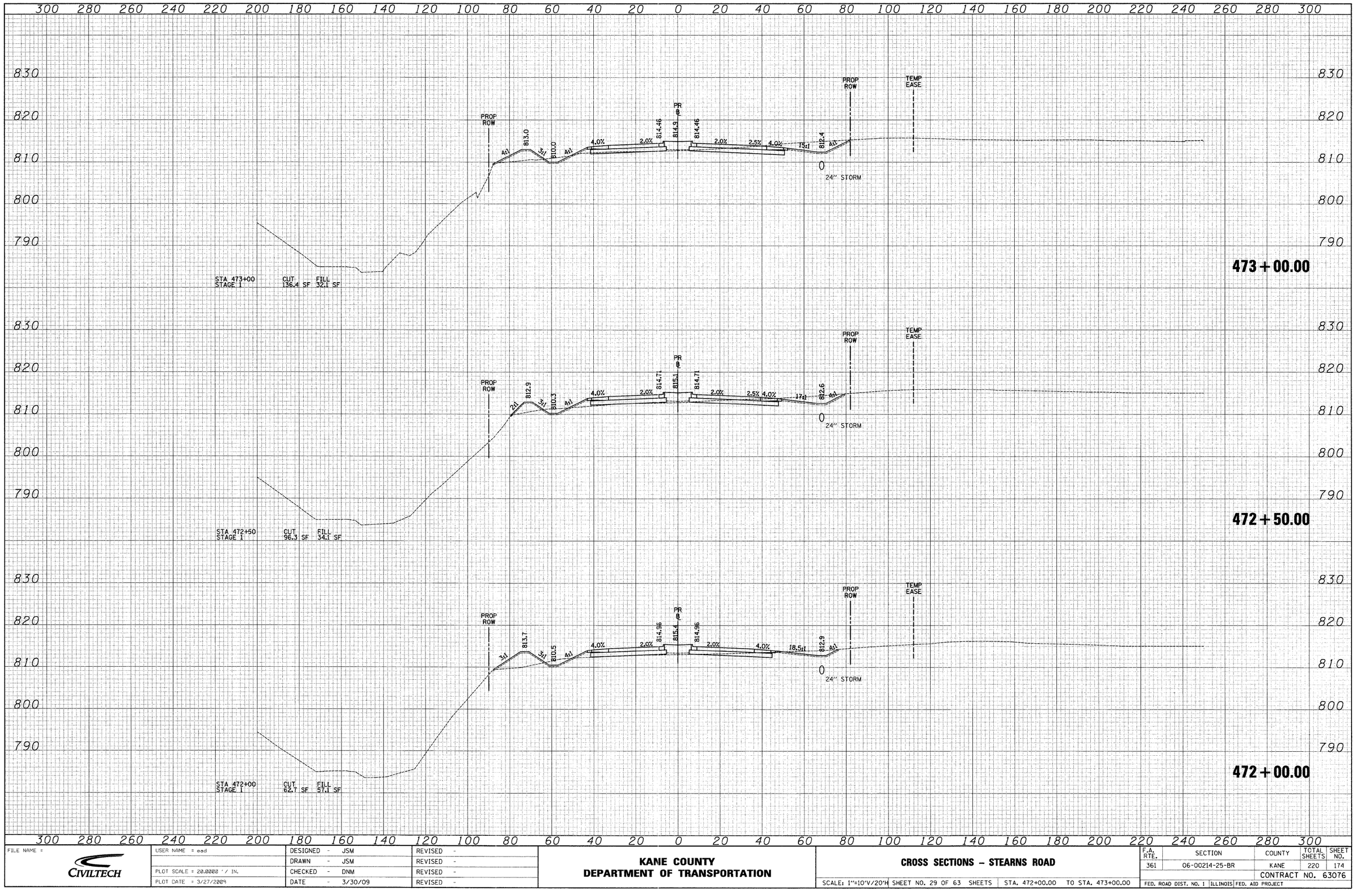
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 28 OF 63 SHEETS | STA. 471+00.00 TO STA. 471+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	173
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

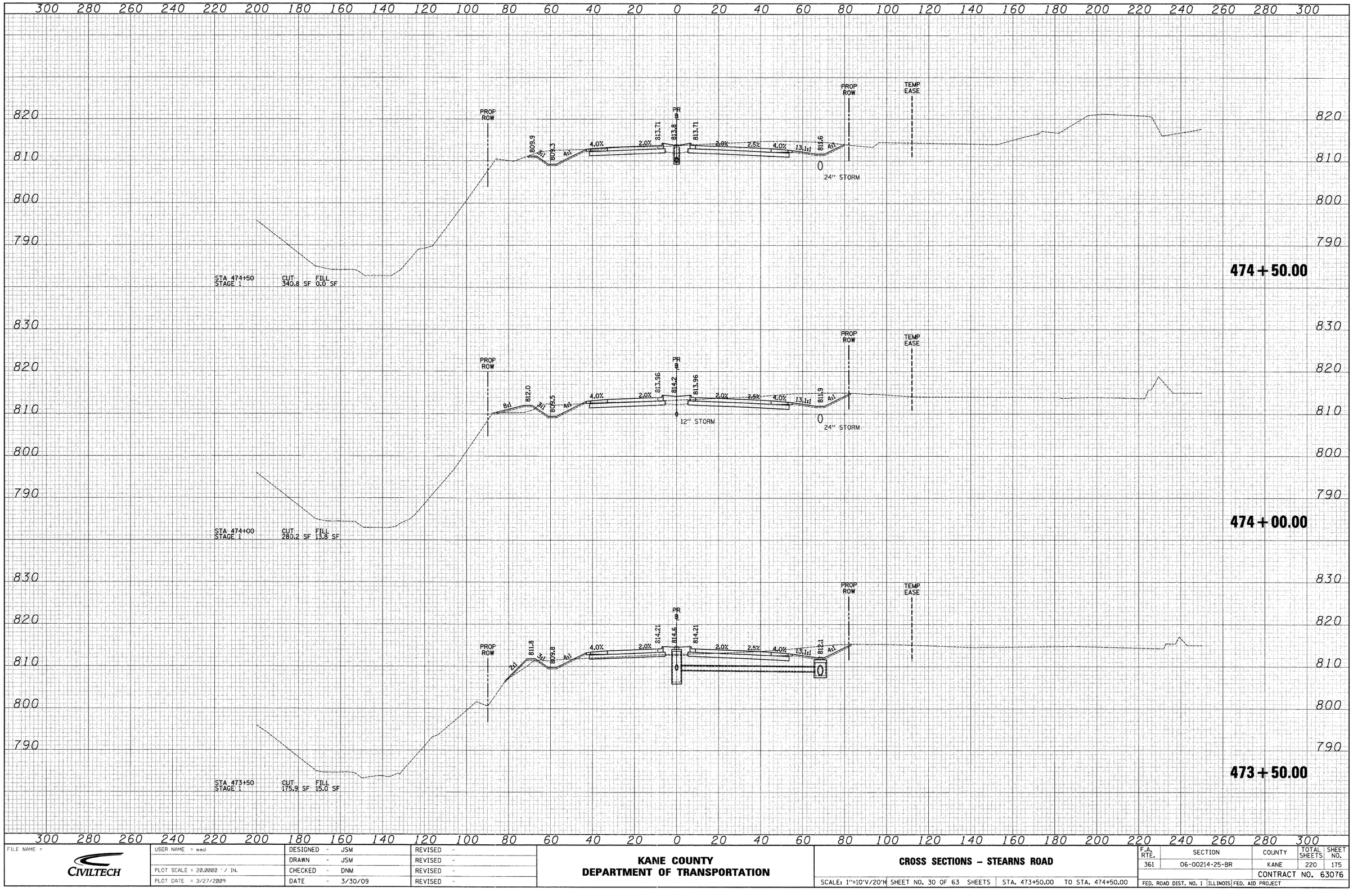
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CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 29 OF 63 SHEETS | STA. 472+00.00 TO STA. 473+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	174
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

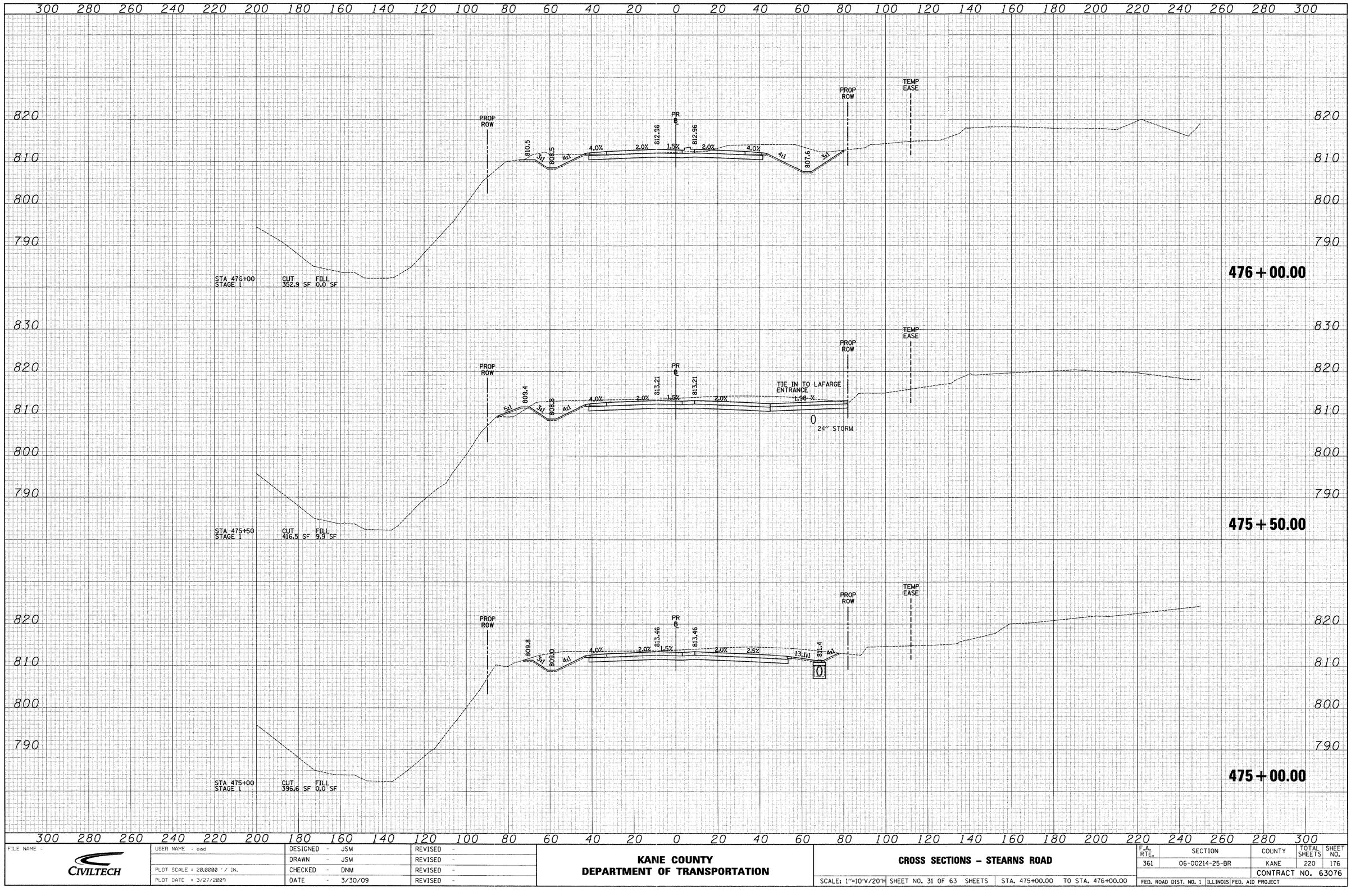
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 30 OF 63 SHEETS | STA. 473+50.00 TO STA. 474+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	175
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	AREAS CHECKED	BY	DATE

ORIGINAL SURVEY

NO.	NOTE BOOK	SURVEYED	PLOTTED	AREAS CHECKED	BY	DATE

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 31 OF 63 SHEETS | STA. 475+00.00 TO STA. 476+00.00

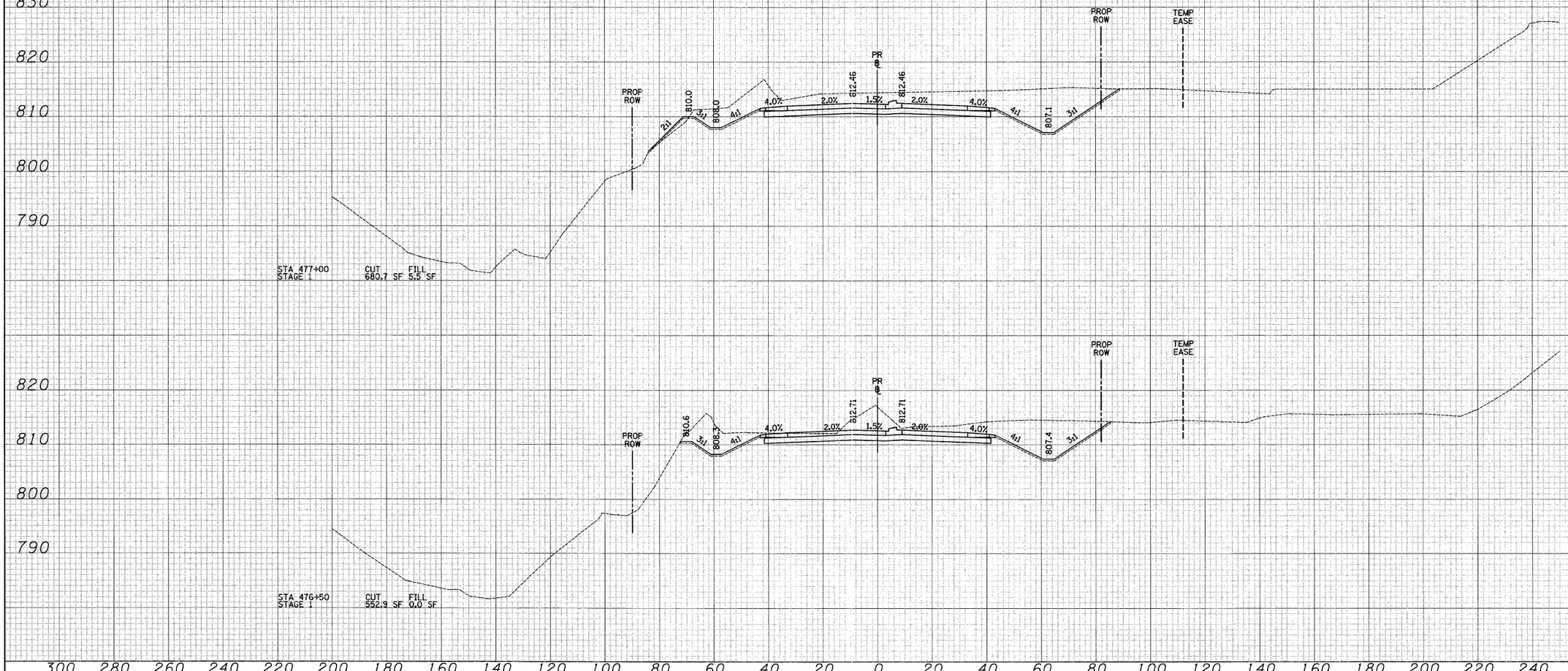
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	176
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

830 820 810 800 790



FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 32 OF 63 SHEETS | STA. 476+50.00 TO STA. 477+00.00

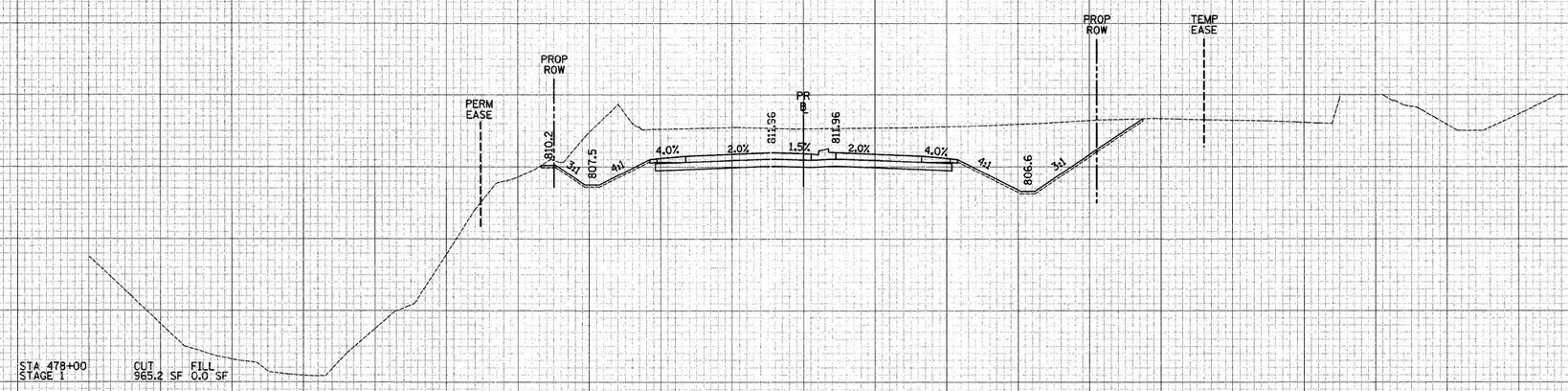
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	177
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

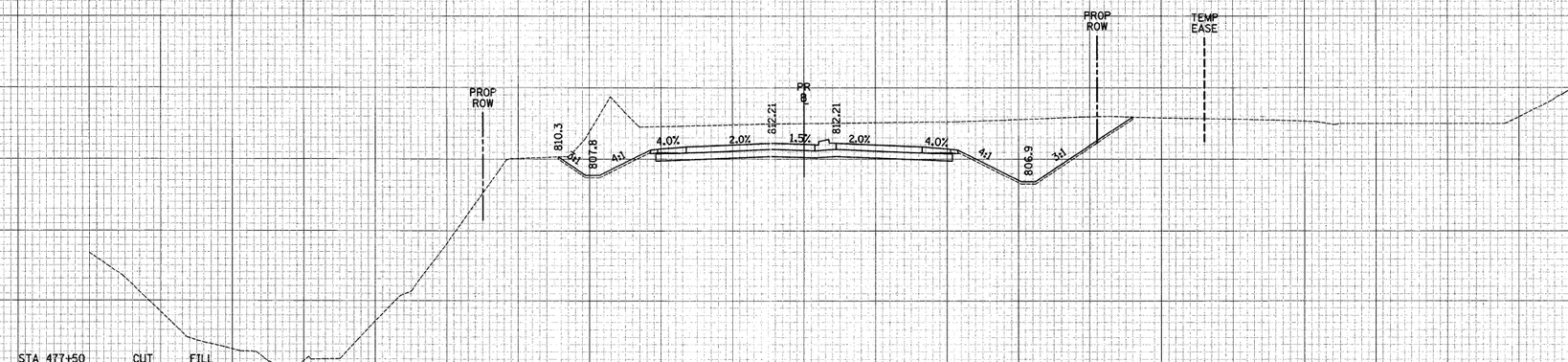
ORIGINAL SURVEY	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

830 820 810 800 790



478+00.00



477+50.00

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

FILE NAME =	USER NAME = sad	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

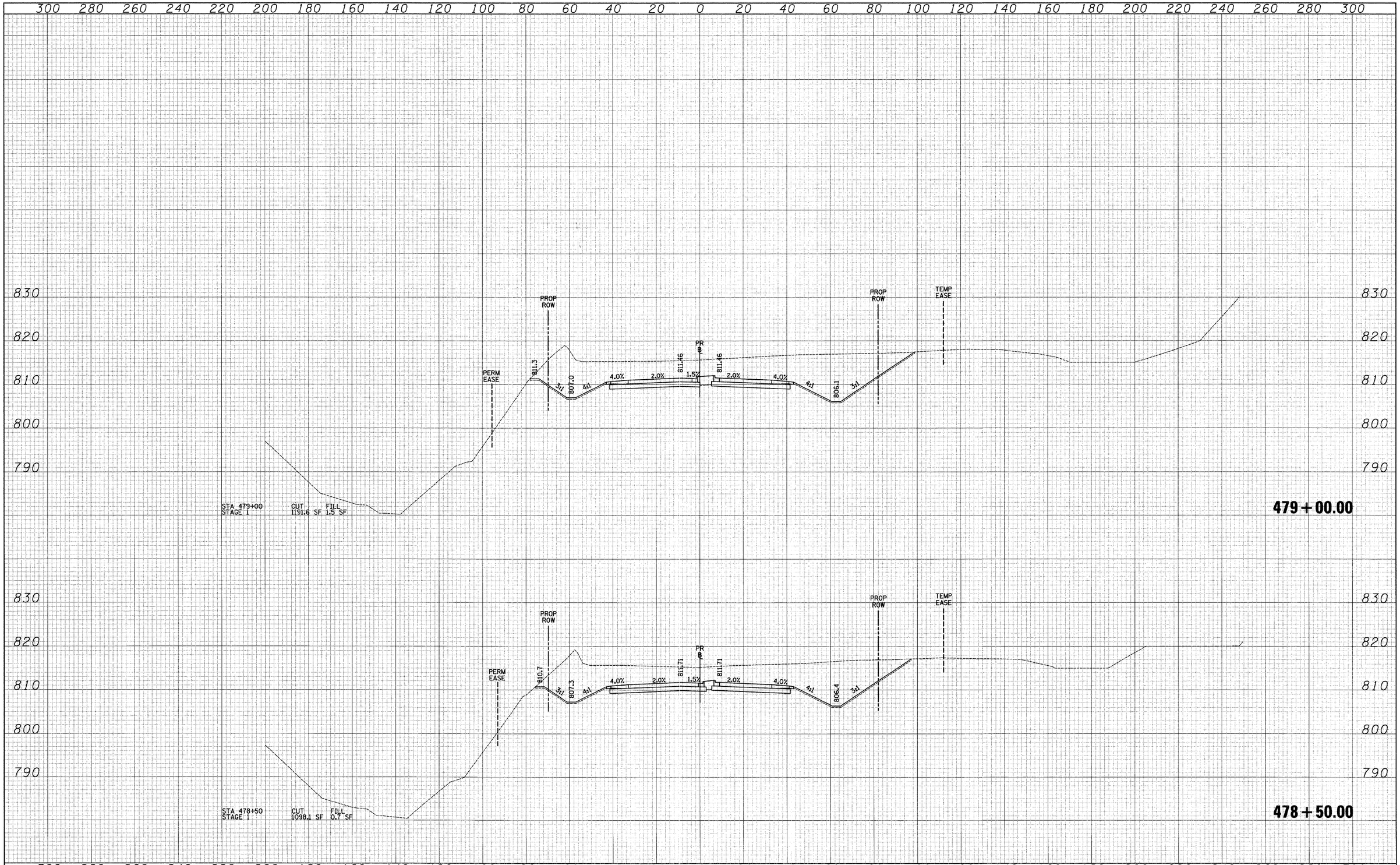
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 33 OF 63 SHEETS | STA. 477+50.00 TO STA. 478+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	178
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	**KANE COUNTY DEPARTMENT OF TRANSPORTATION**
CIVILTECH		DRAWN - JSM	REVISED -	
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -	
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -	

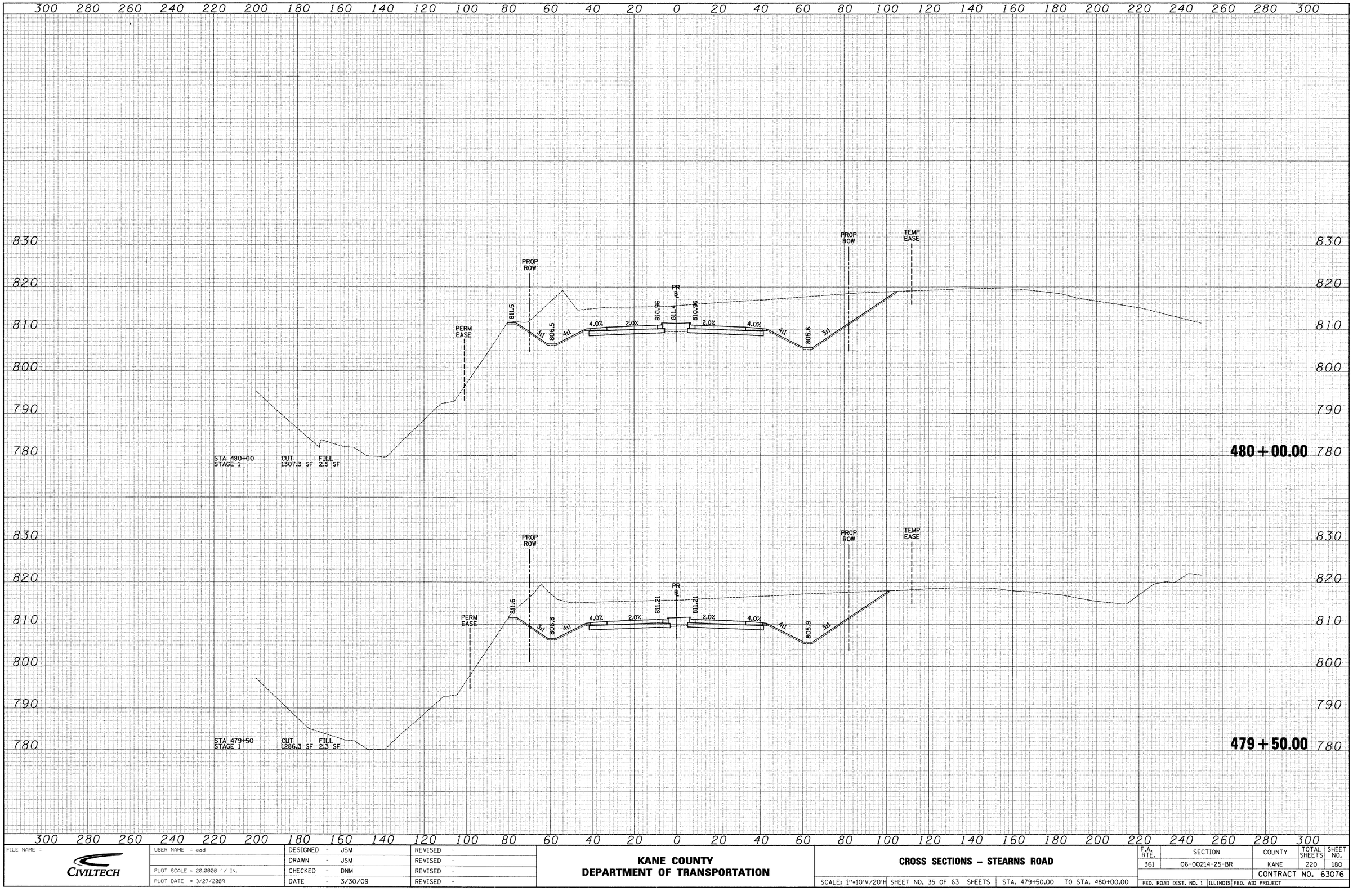
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 34 OF 63 SHEETS | STA. 478+50.00 TO STA. 479+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	179
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

BY	DATE



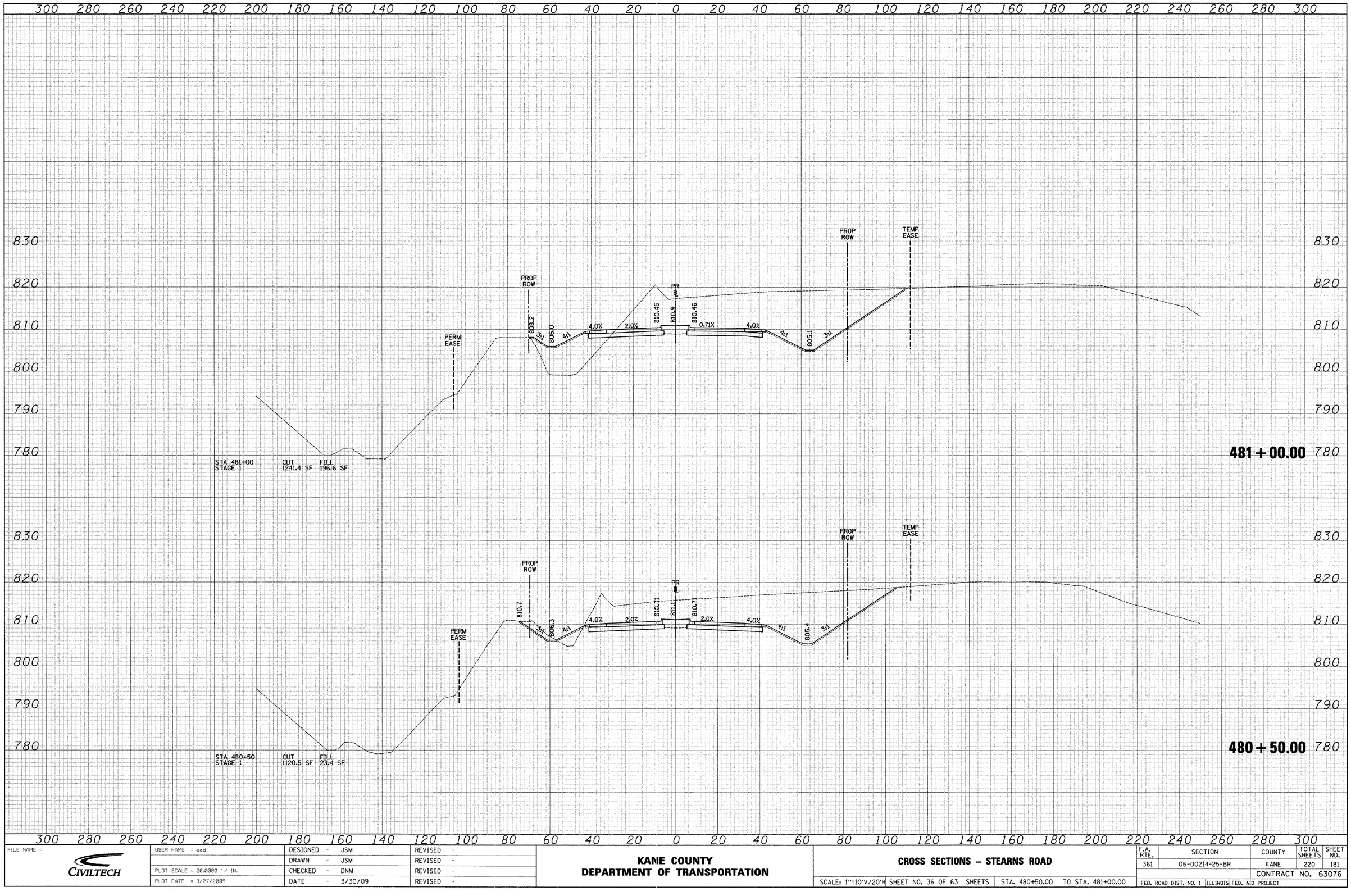
ORIGINAL SURVEY	NOTE BOOK	SURVEYED	PLOTTED	ISSUE DATE	AREAS CHECKED
NO.					

BY	DATE

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	KANE COUNTY DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS – STEARNS ROAD
CIVILTECH		DRAWN - JSM	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		SCALE: 1"=10'V/20'H | SHEET NO. 35 OF 63 SHEETS | STA. 479+50.00 TO STA. 480+00.00
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	180
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

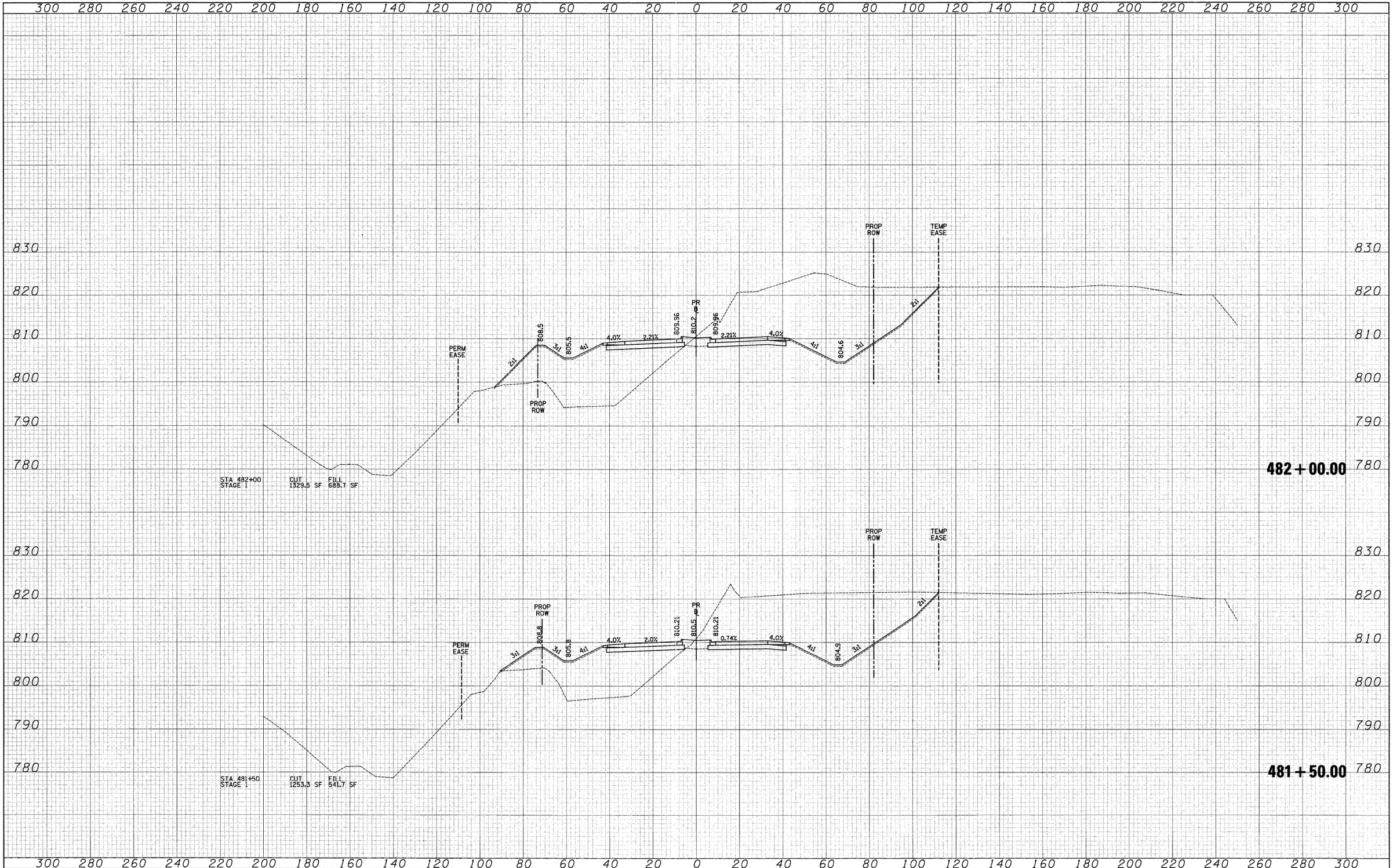
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 36 OF 63 SHEETS | STA. 480+50.00 TO STA. 481+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	181
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

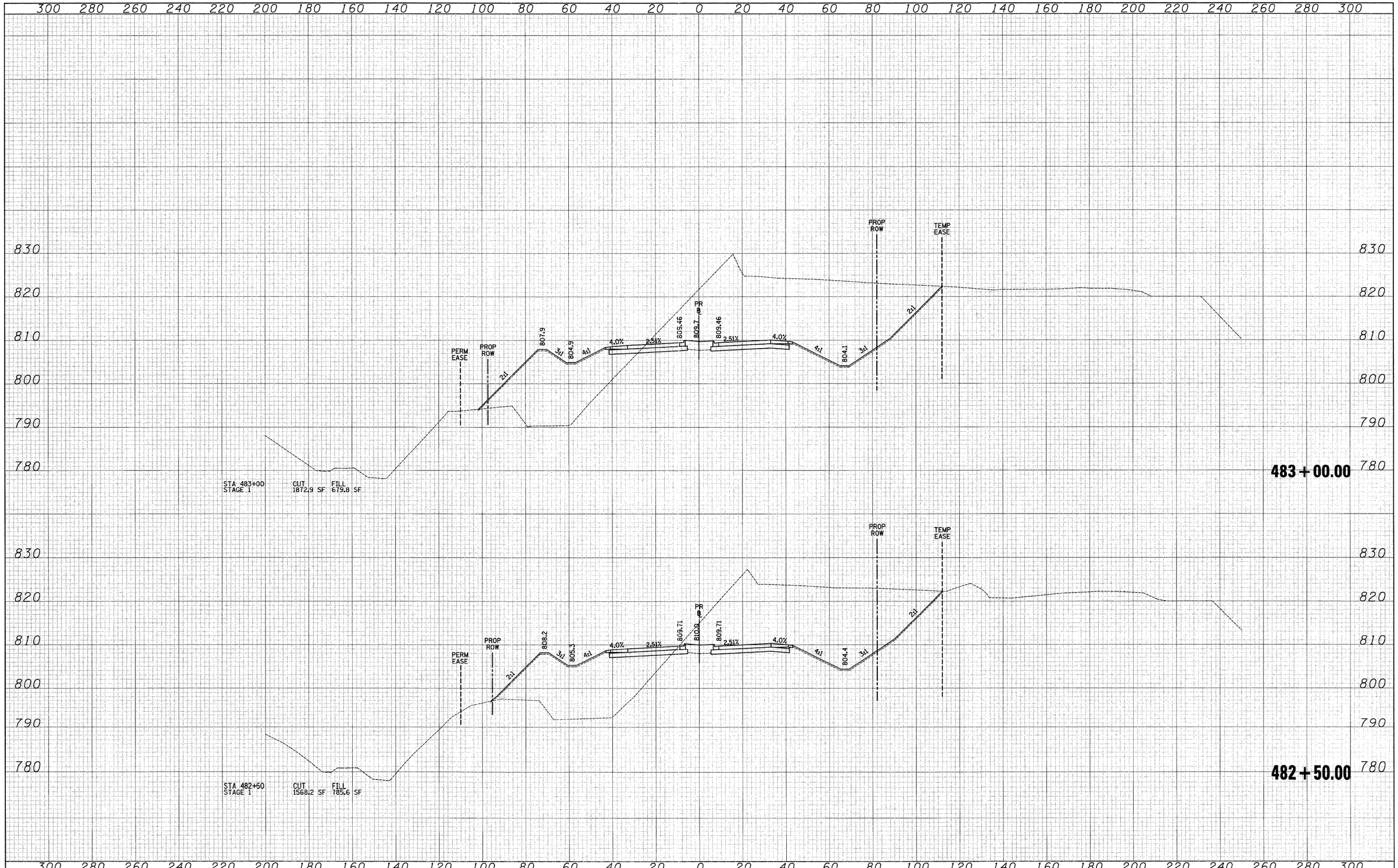


ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TRIANGULATE		
NOTE BOOK		
AREAS		
AREAS CHECKED		
NO.		

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	**KANE COUNTY DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS – STEARNS ROAD**
CIVILTECH		DRAWN - JSM	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 37 OF 63 SHEETS STA. 481+50.00 TO STA. 482+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	182
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

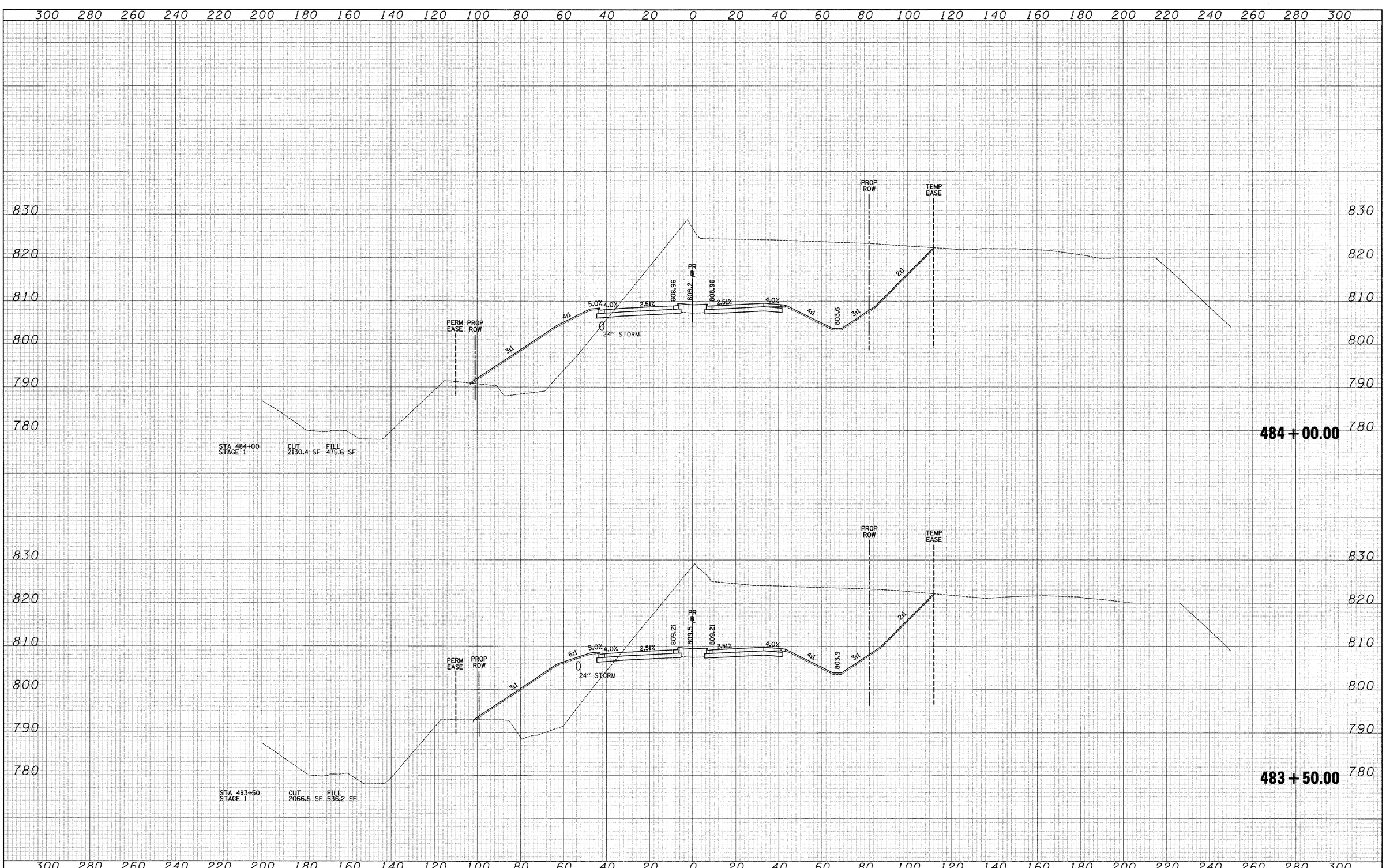
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 38 OF 63 SHEETS | STA. 482+50.00 TO STA. 483+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	183
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

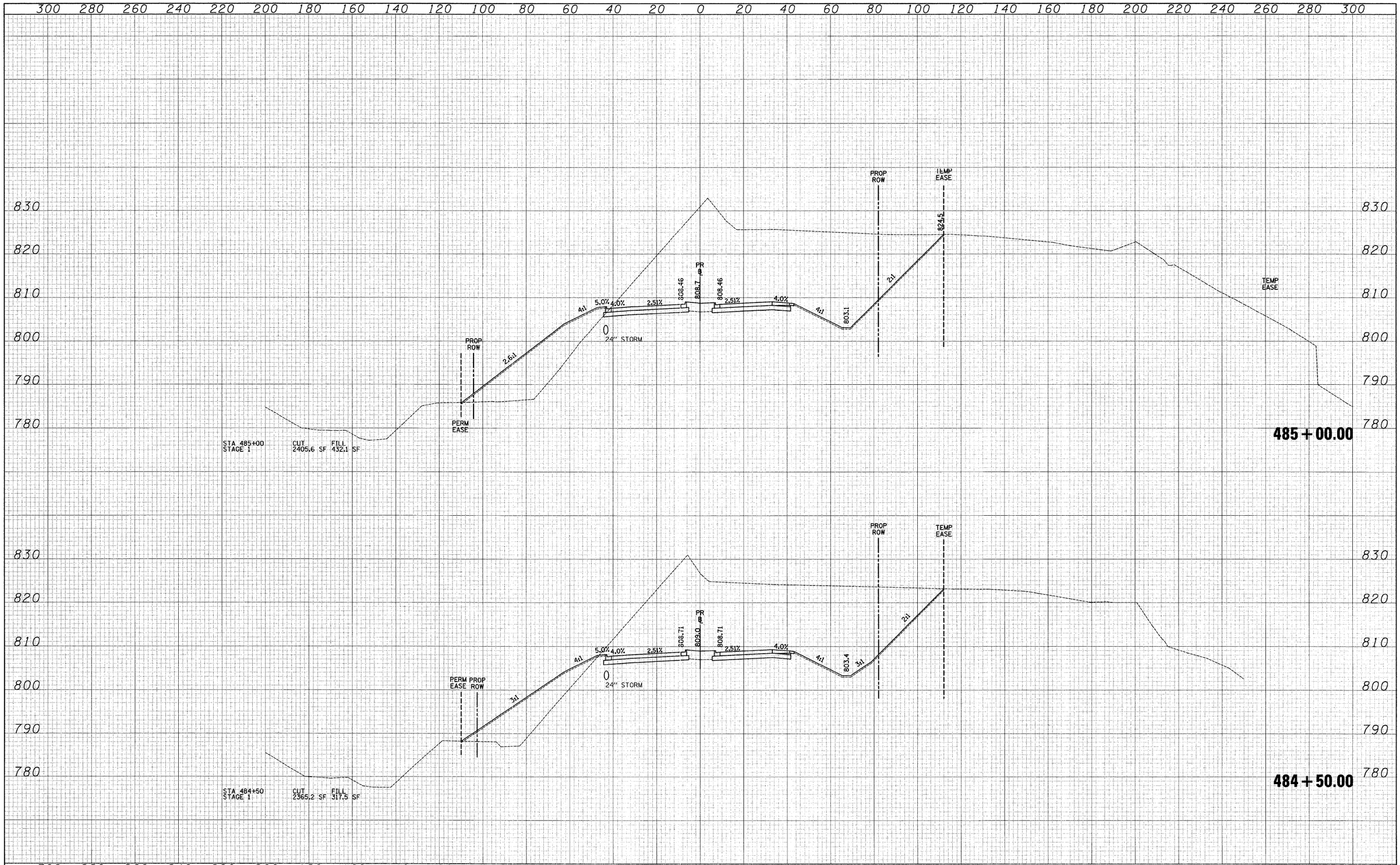


ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TOTALS ATE	
NO.	AREAS CHECKED	

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	KANE COUNTY DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS – STEARNS ROAD
CIVILTECH		DRAWN - JSM	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 39 OF 63 SHEETS STA. 483+50.00 TO STA. 484+00.00
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	184
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

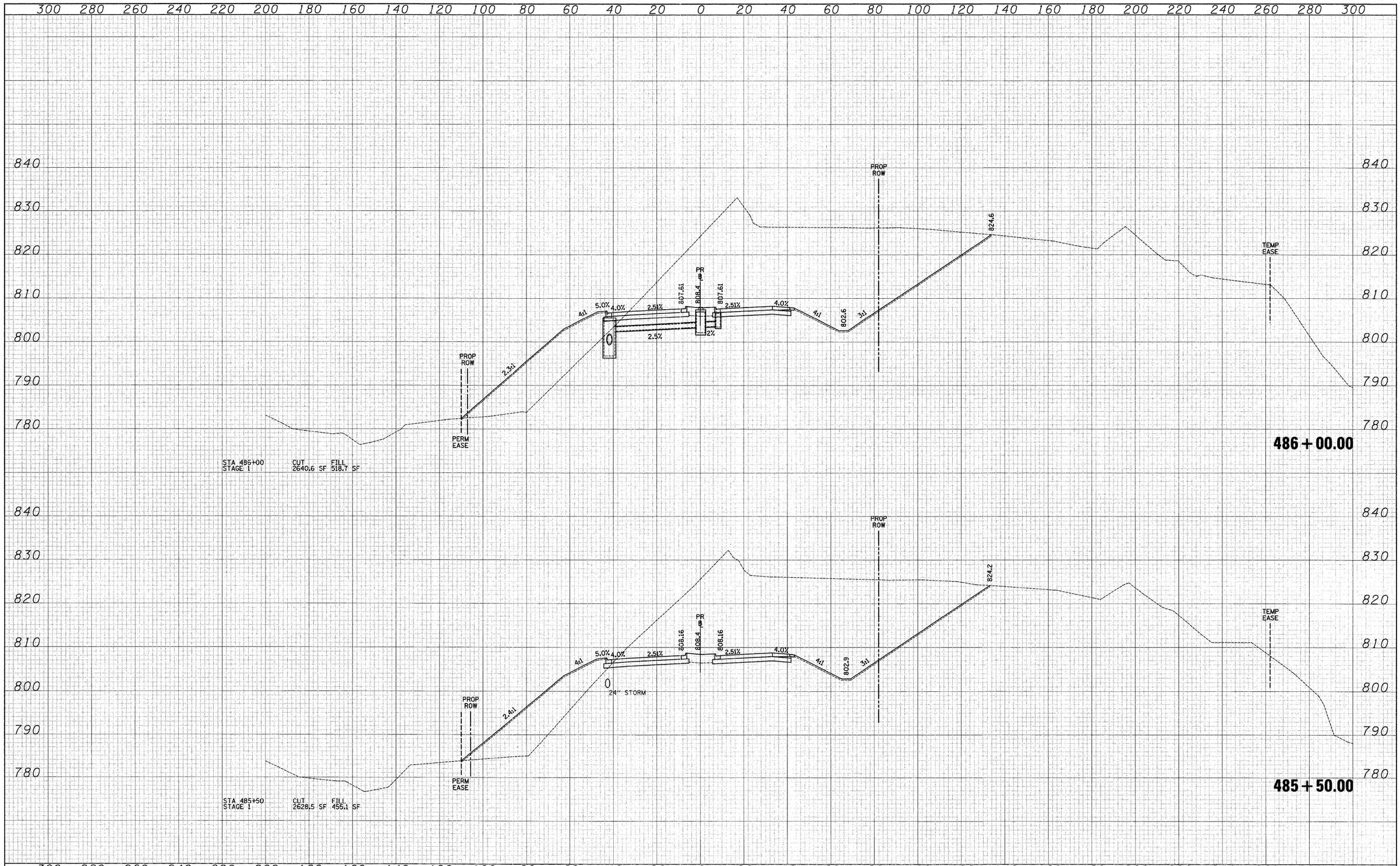
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 40 OF 63 SHEETS | STA. 484+50.00 TO STA. 485+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	185
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



ORIGINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTED				
TRACED				
AREAS				
AREAS CHECKED				

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

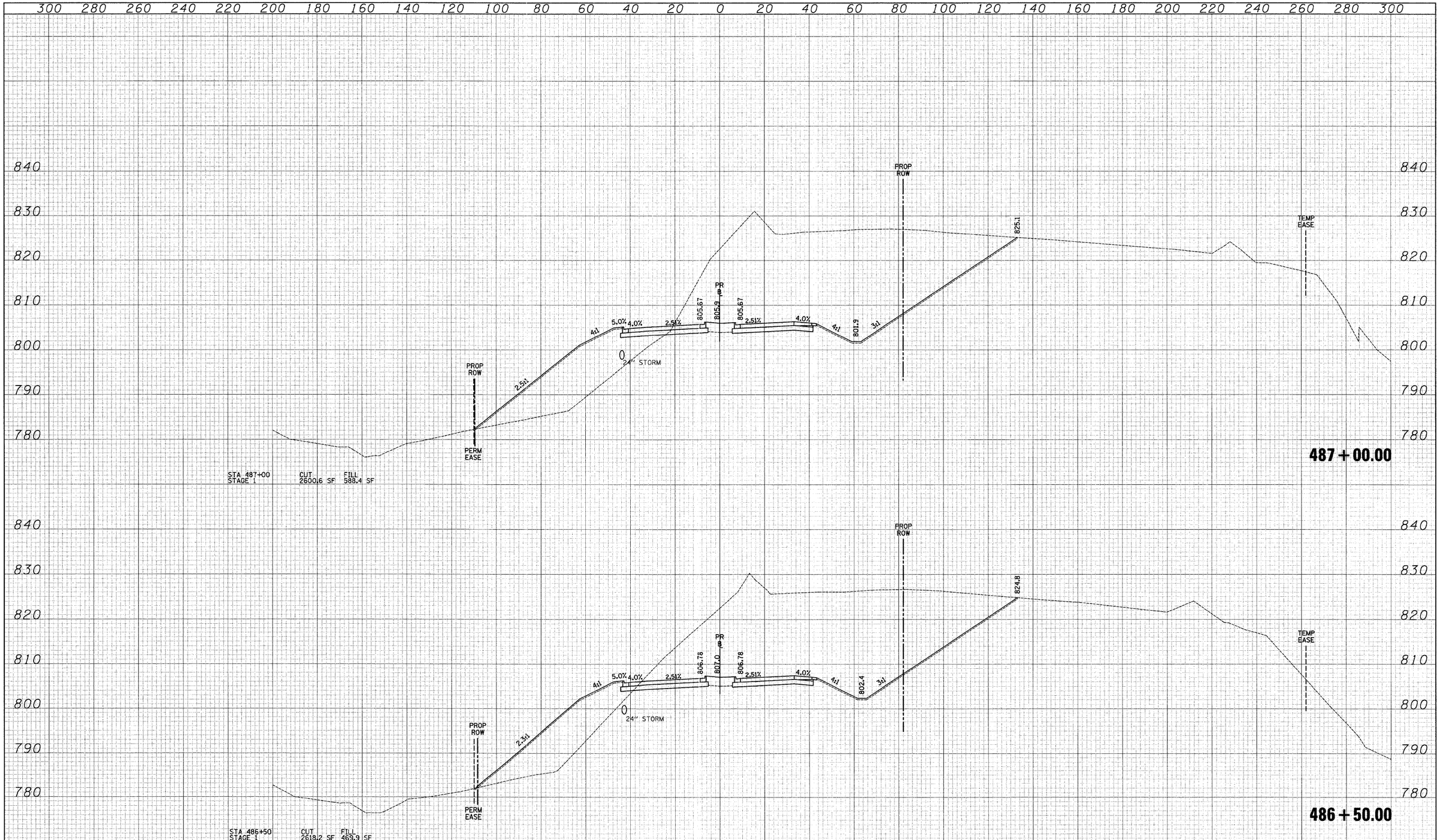
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 41 OF 63 SHEETS | STA. 485+50.00 TO STA. 486+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	186
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = sad	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
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	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

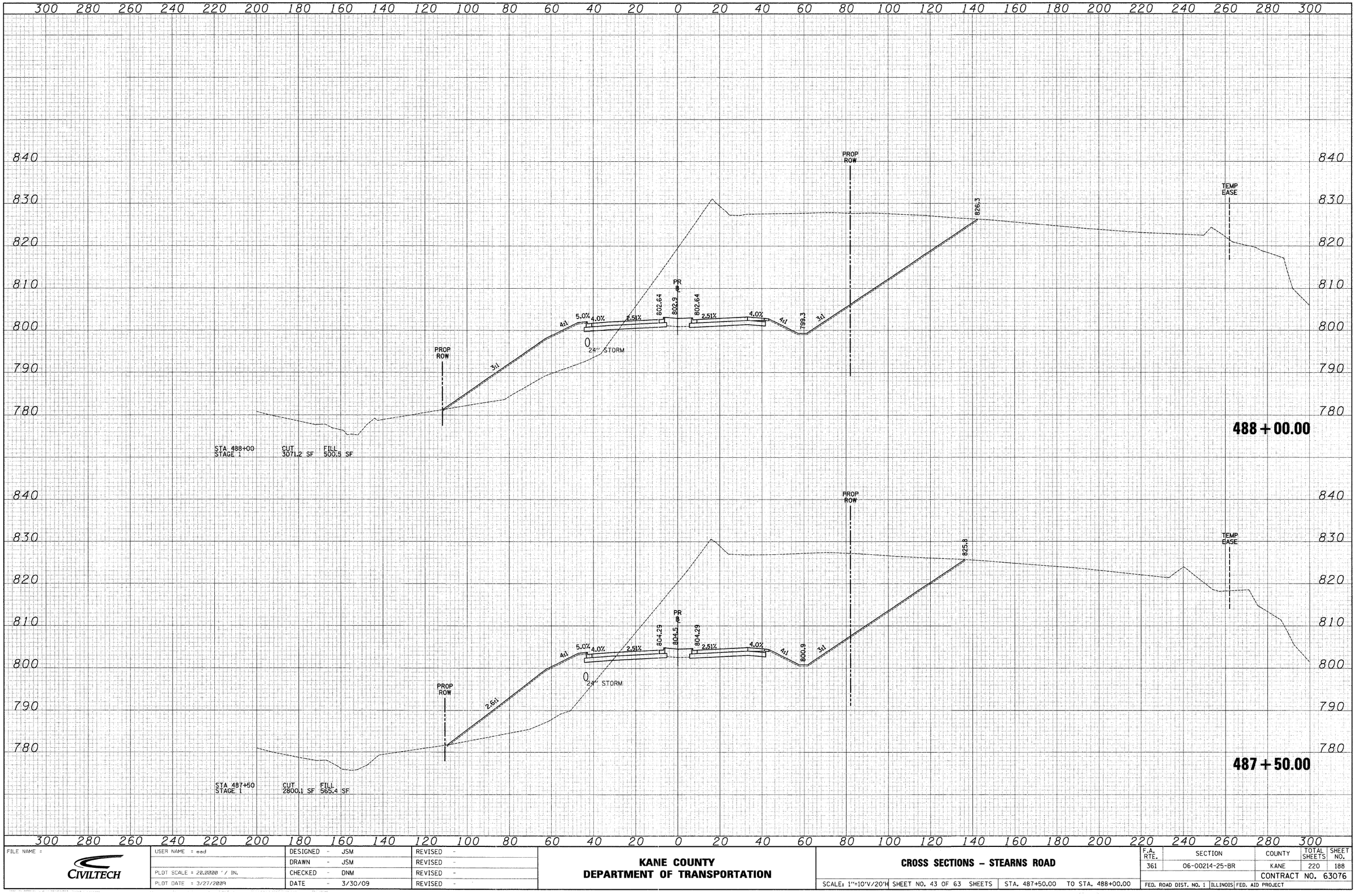
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 42 OF 63 SHEETS | STA. 486+50.00 TO STA. 487+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	187
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

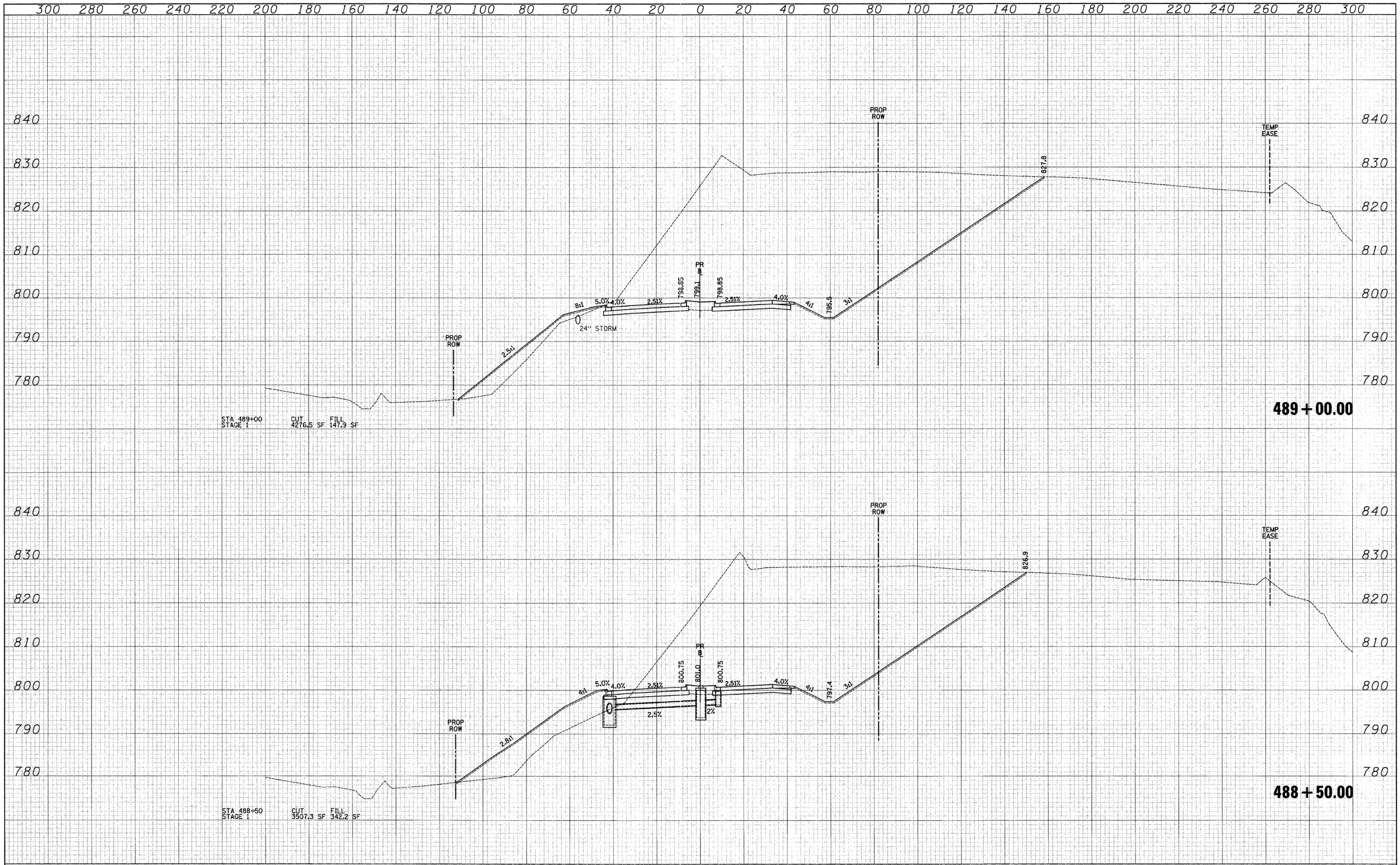
FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 43 OF 63 SHEETS | STA. 487+50.00 TO STA. 488+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	188
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =	USER NAME = aad	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

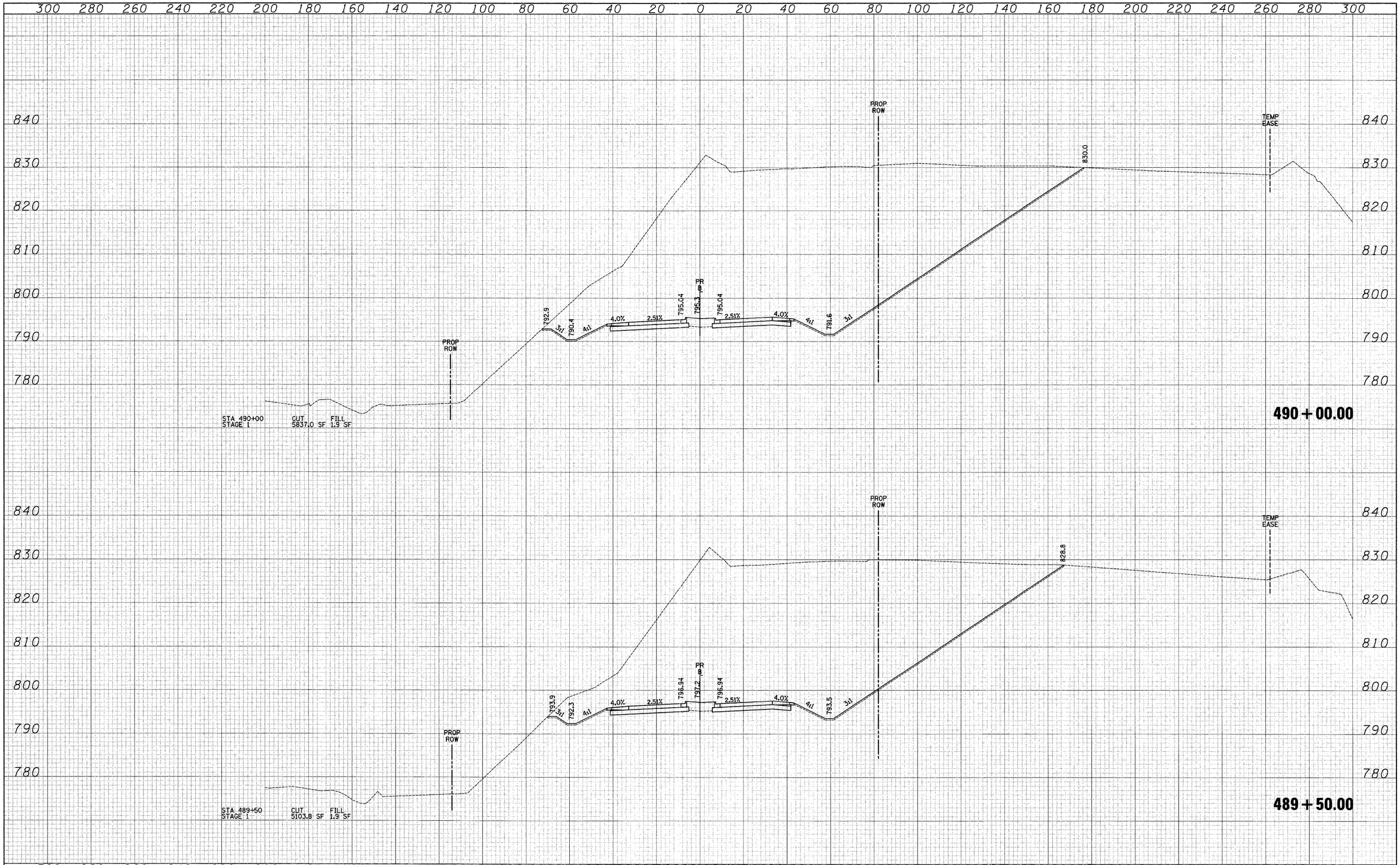
KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 44 OF 63 SHEETS | STA. 488+50.00 TO STA. 489+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	189
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

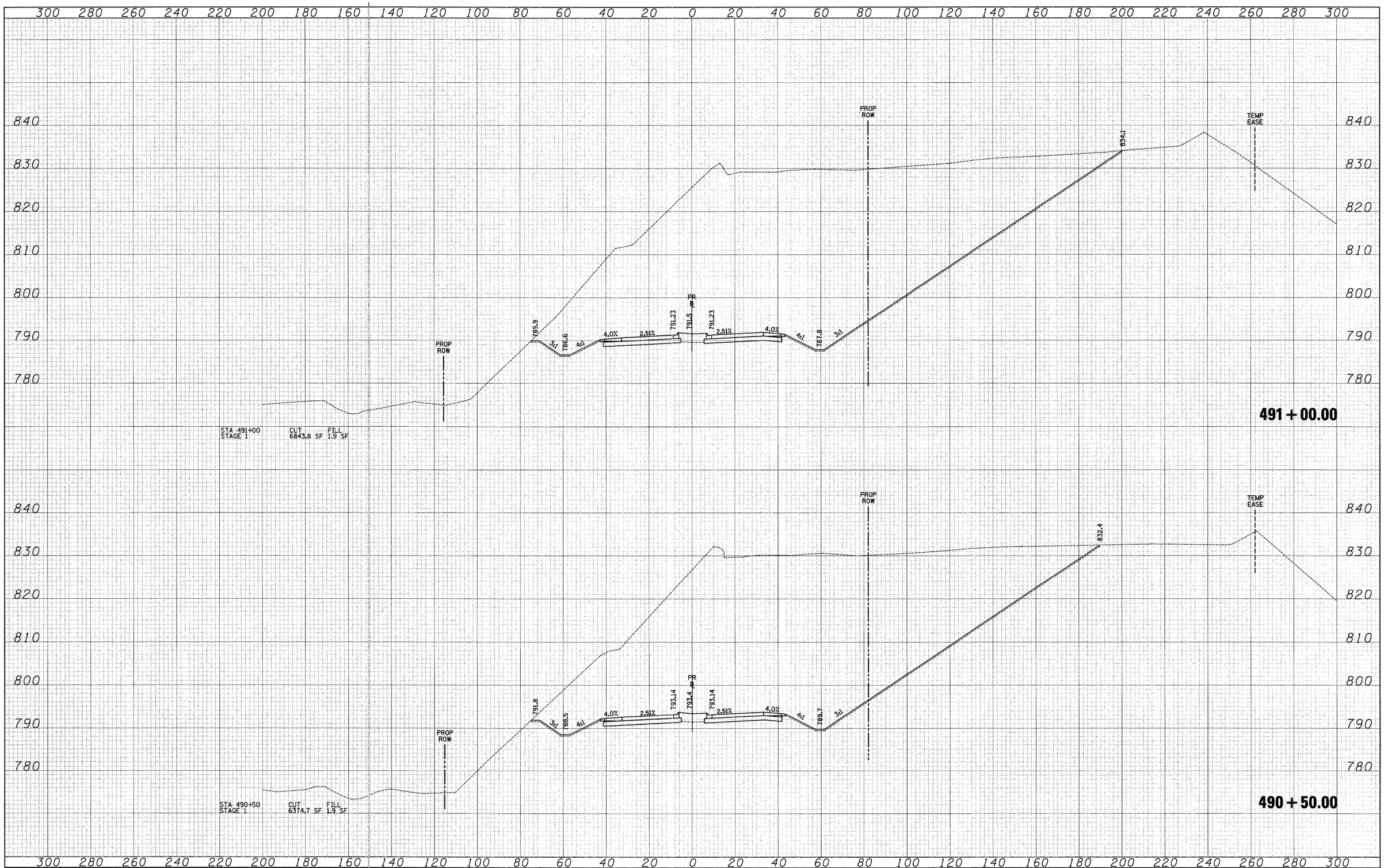
FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 45 OF 63 SHEETS | STA. 489+50.00 TO STA. 490+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	190
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

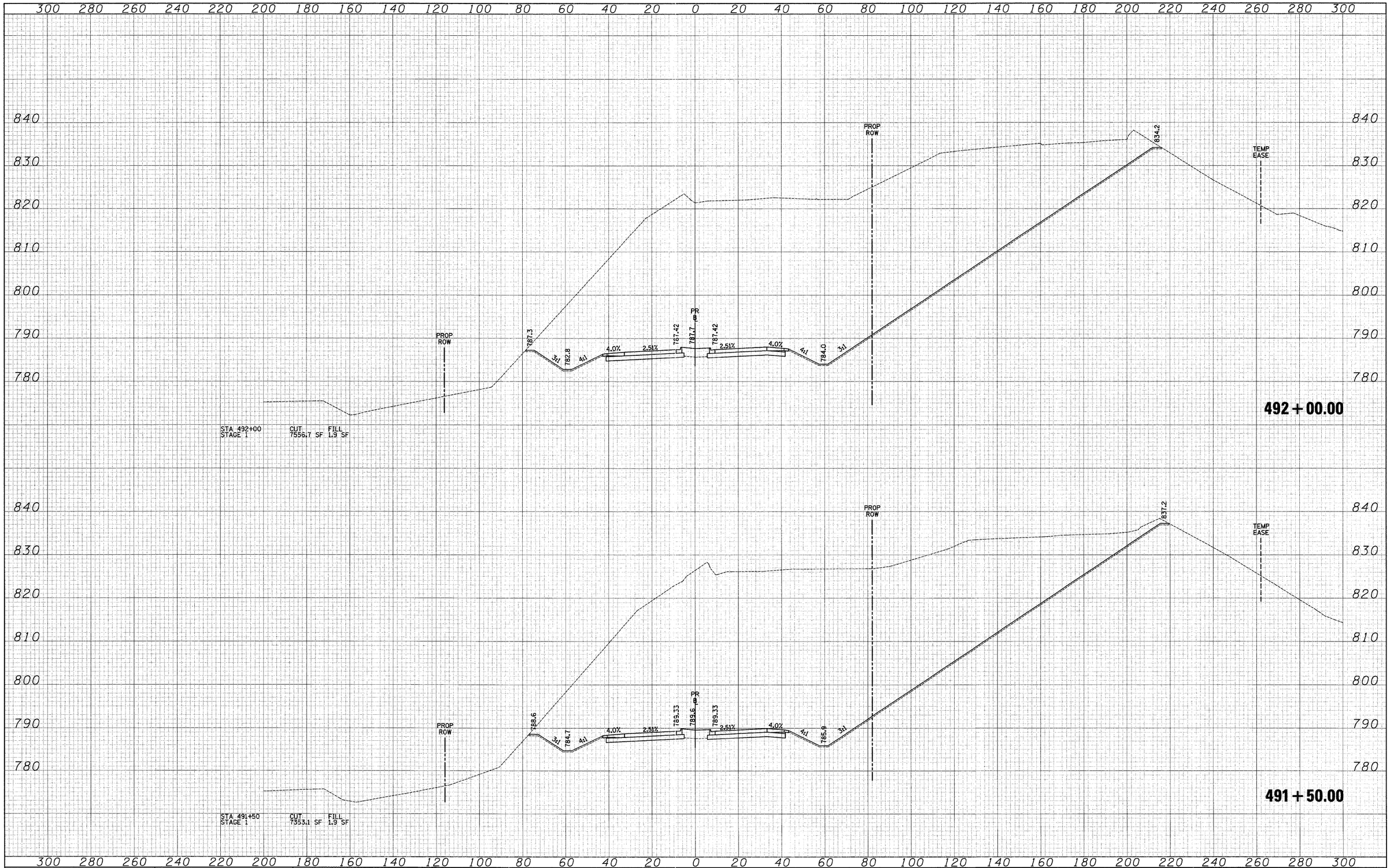
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 46 OF 63 SHEETS | STA. 490+50.00 TO STA. 491+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	191
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

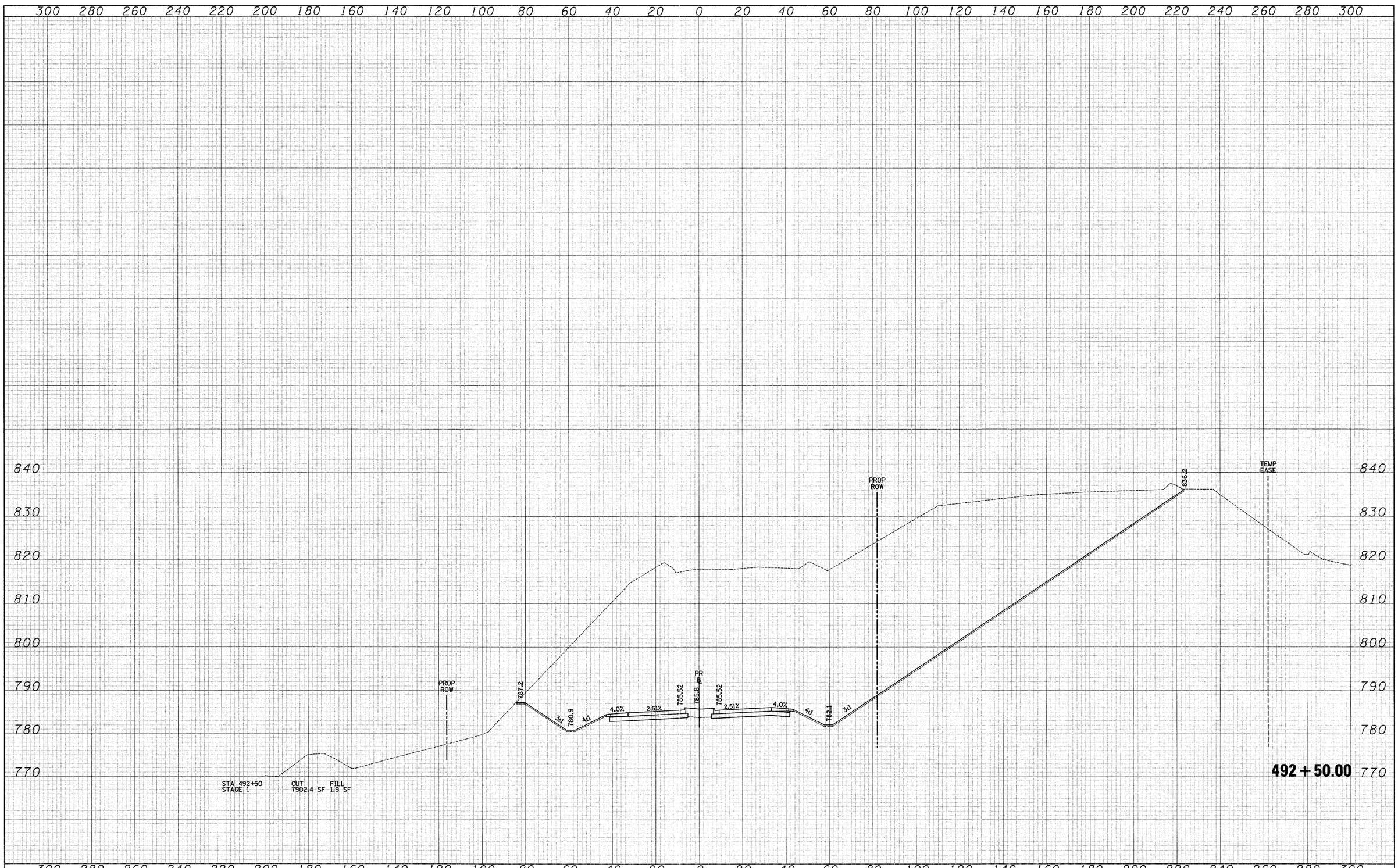


FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRANSMITTED — AREAS CHECKED — BY — DATE

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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	KANE COUNTY DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS – STEARNS ROAD
CIVILTECH		DRAWN - JSM	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 47 OF 63 SHEETS STA. 491+50.00 TO STA. 492+00.00
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	192
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

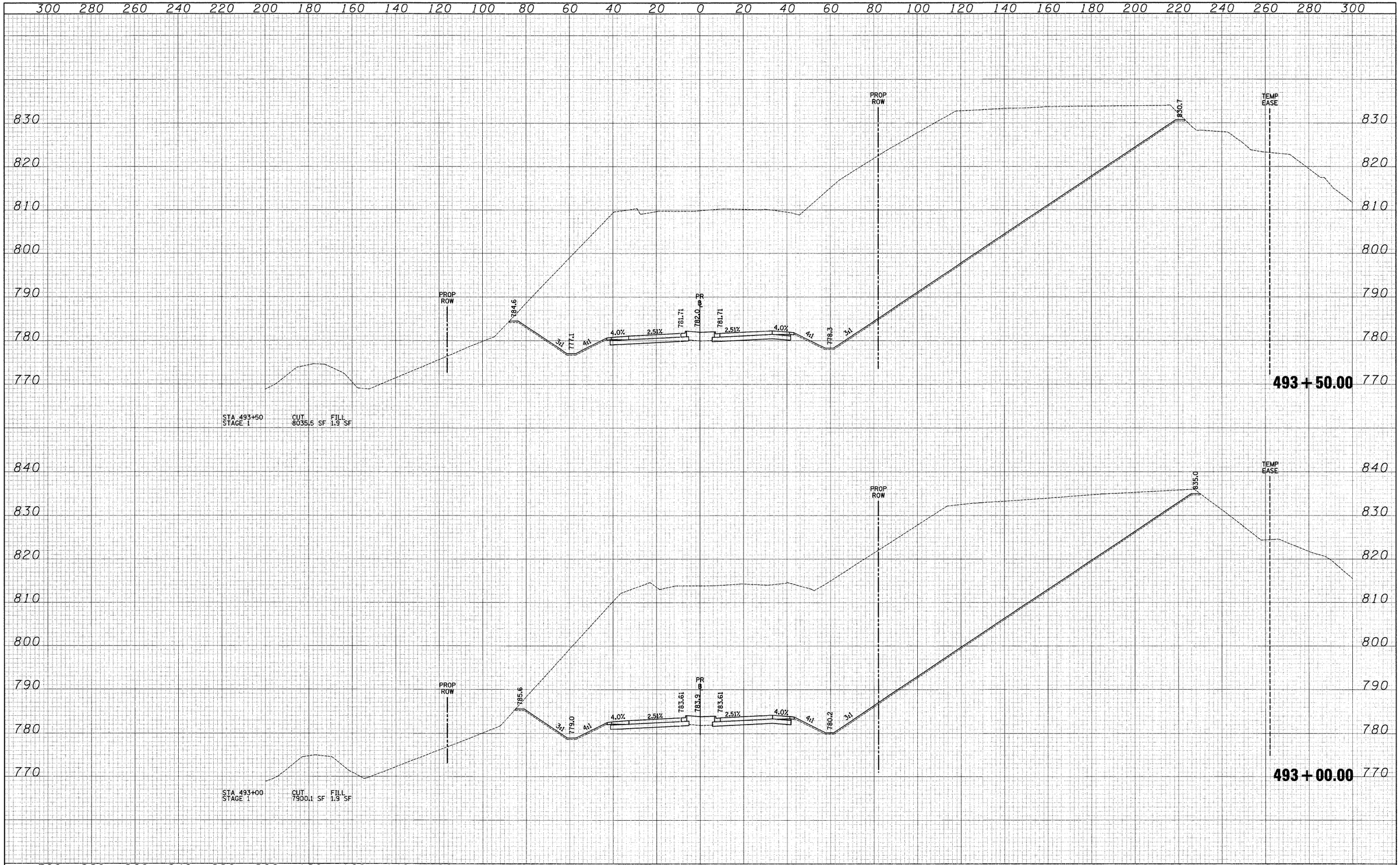
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CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 48 OF 63 SHEETS | STA. 492+50.00 TO STA. 492+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	193
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

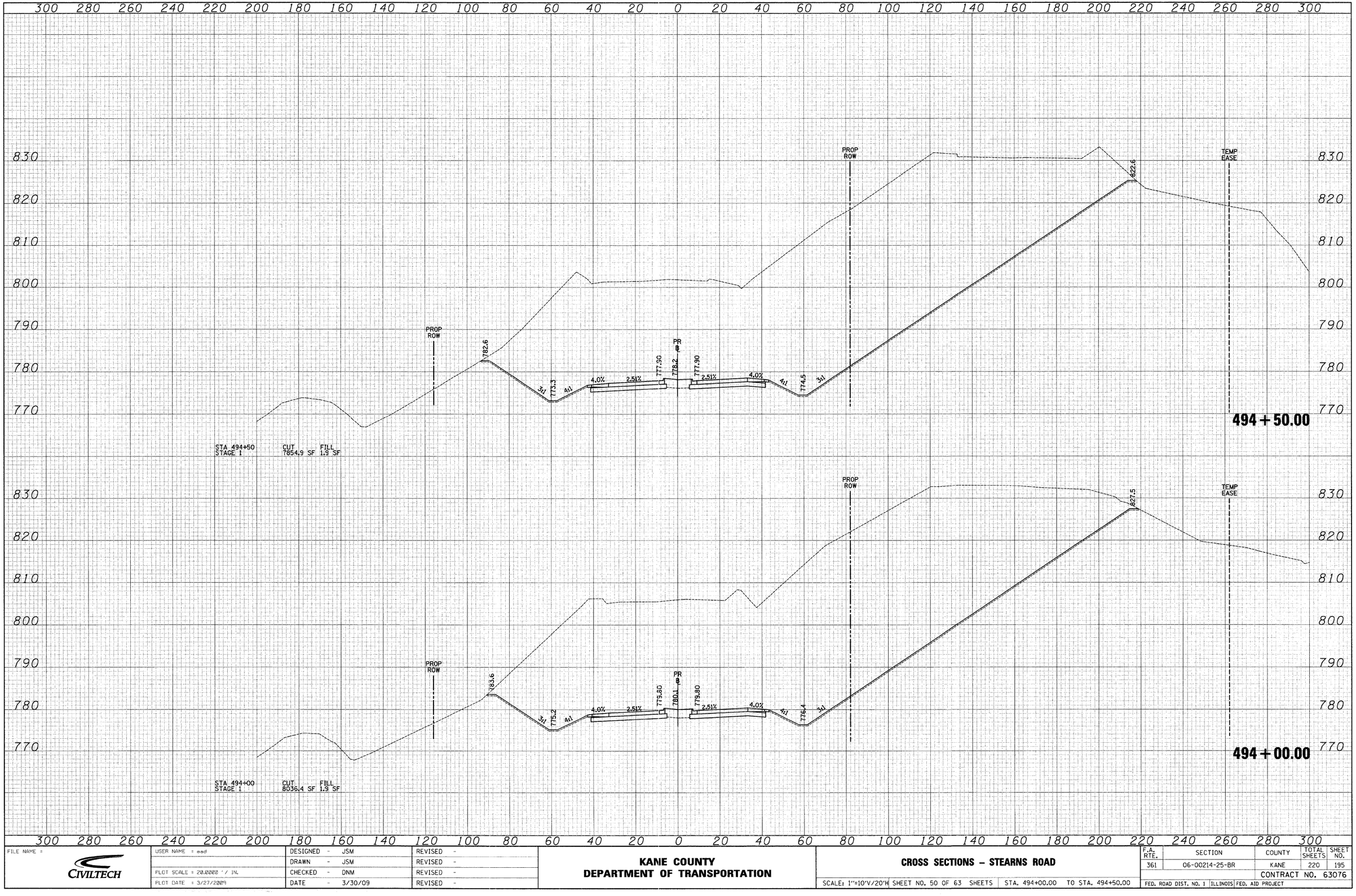
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 49 OF 63 SHEETS | STA. 493+00.00 TO STA. 493+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	194
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

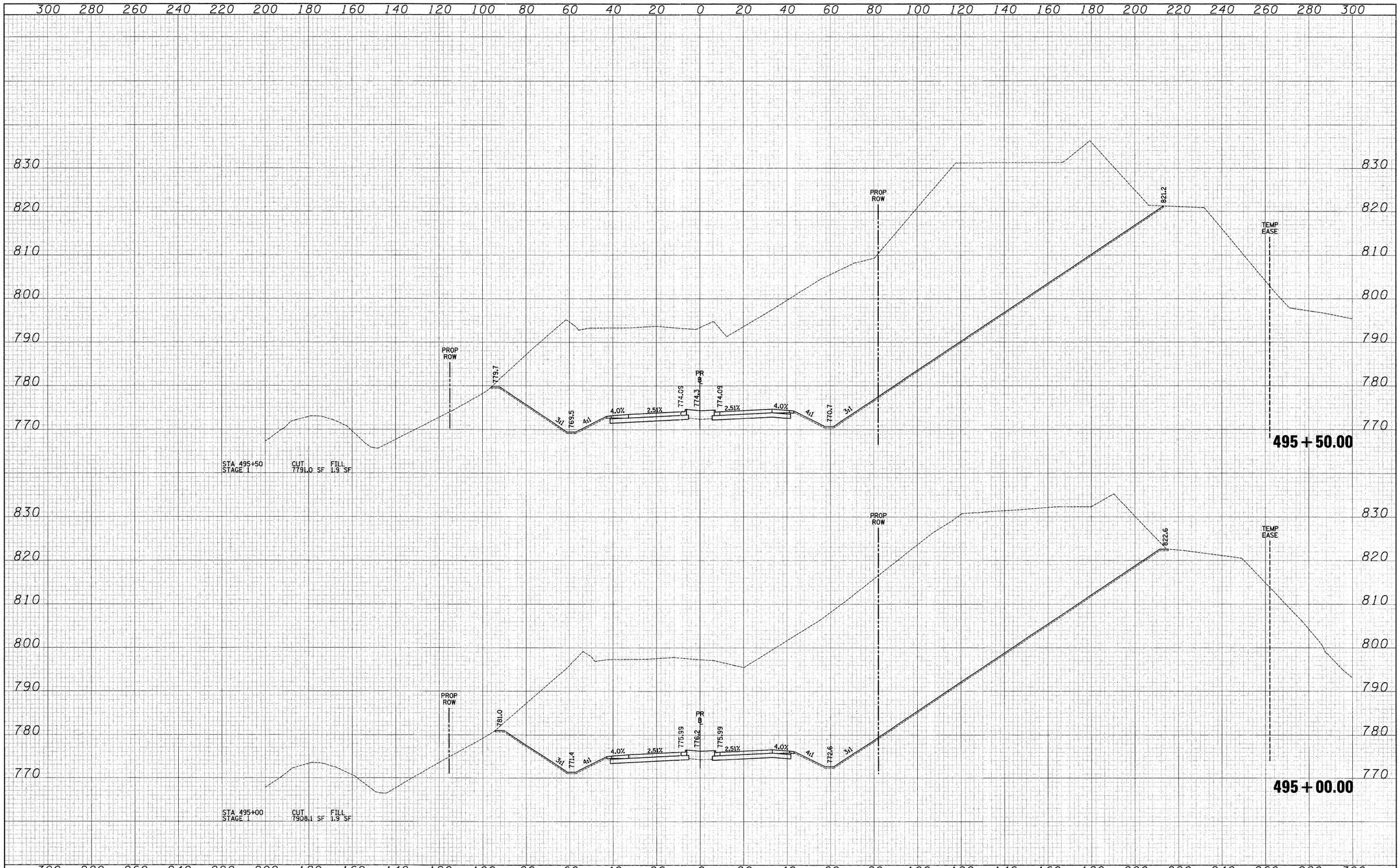
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	



FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	KANE COUNTY DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS – STEARNS ROAD
CIVILTECH		DRAWN - JSM	REVISED -		
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -		SCALE: 1"=10'V/20'H SHEET NO. 50 OF 63 SHEETS STA. 494+00.00 TO STA. 494+50.00
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	195
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -	**KANE COUNTY DEPARTMENT OF TRANSPORTATION**
CIVILTECH		DRAWN - JSM	REVISED -	
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -	
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -	

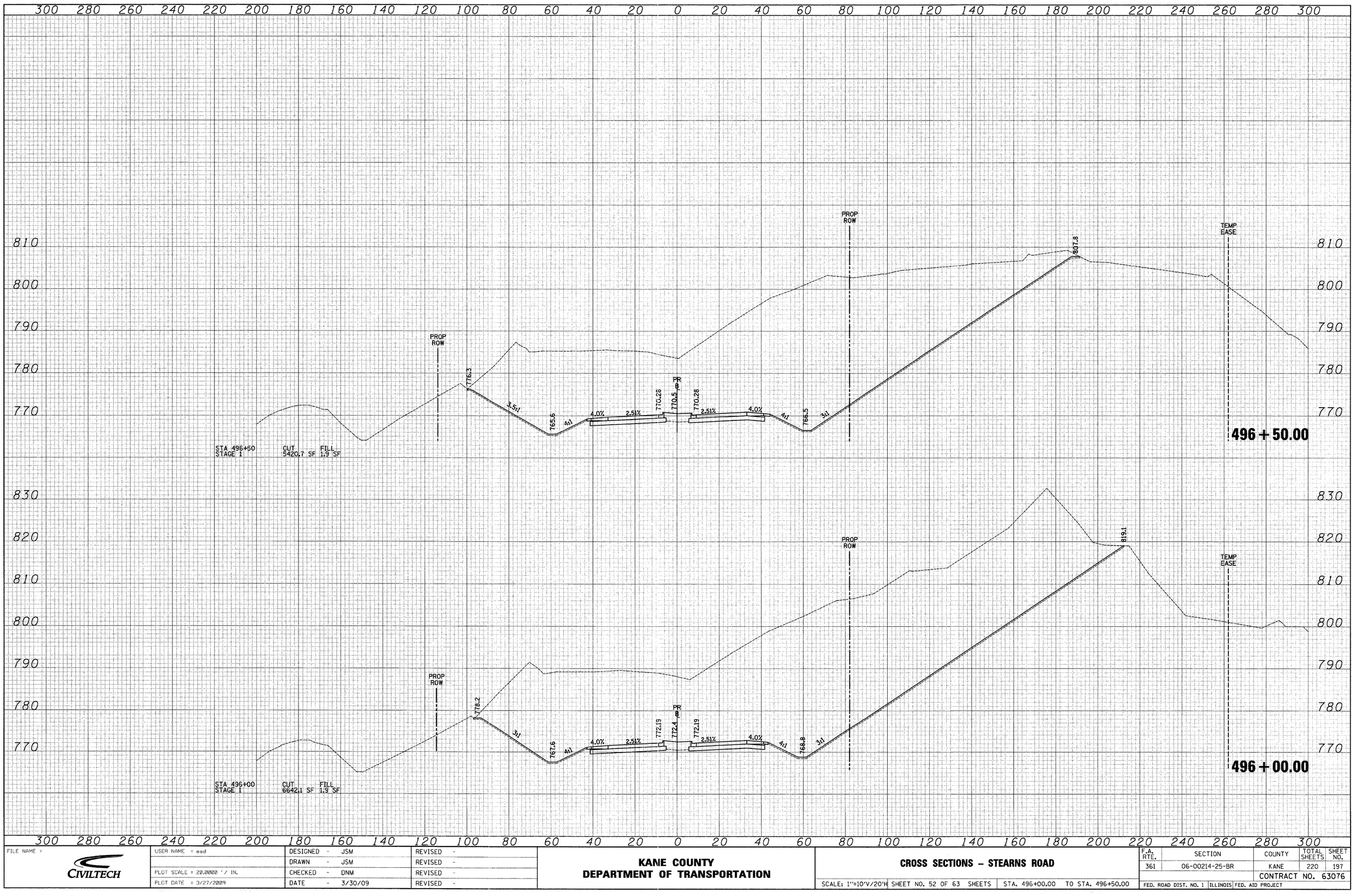
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 51 OF 63 SHEETS | STA. 495+00.00 TO STA. 495+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	196
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = ead	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

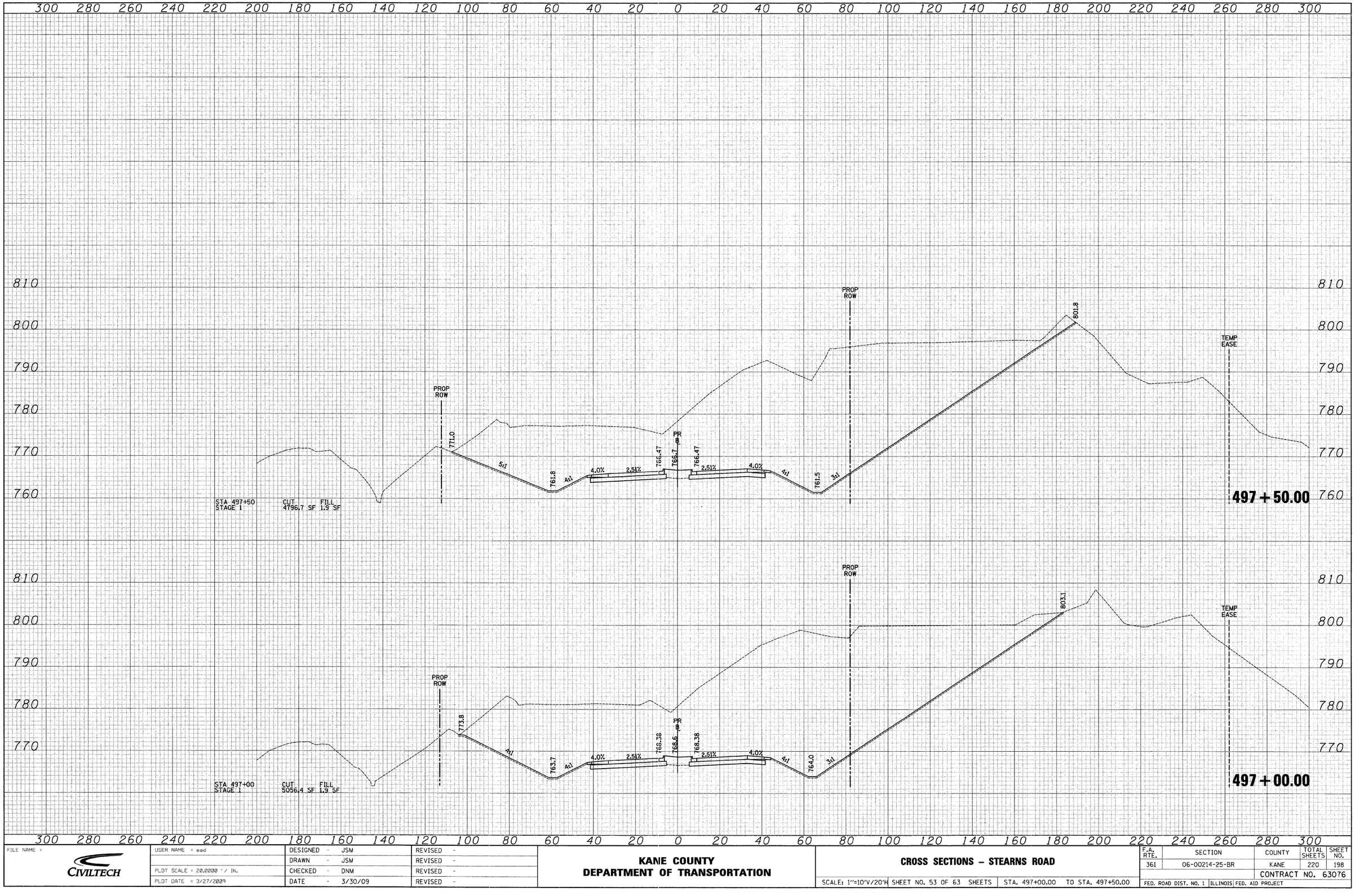
CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 52 OF 63 SHEETS | STA. 496+00.00 TO STA. 496+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	197
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPE/SCALE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TYPE/SCALE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	



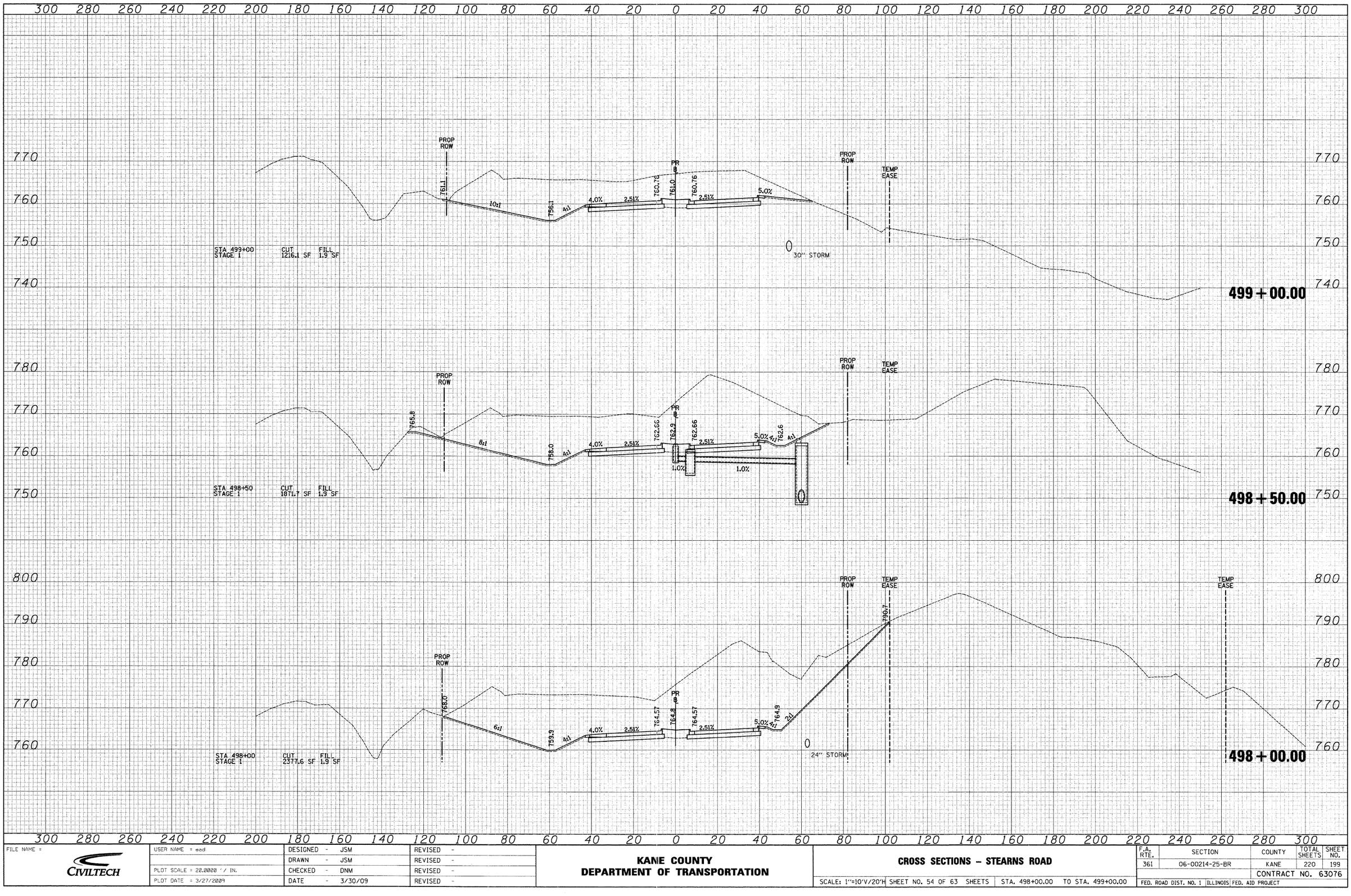
FILE NAME =	USER NAME = eod	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 53 OF 63 SHEETS | STA. 497+00.00 TO STA. 497+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	198
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

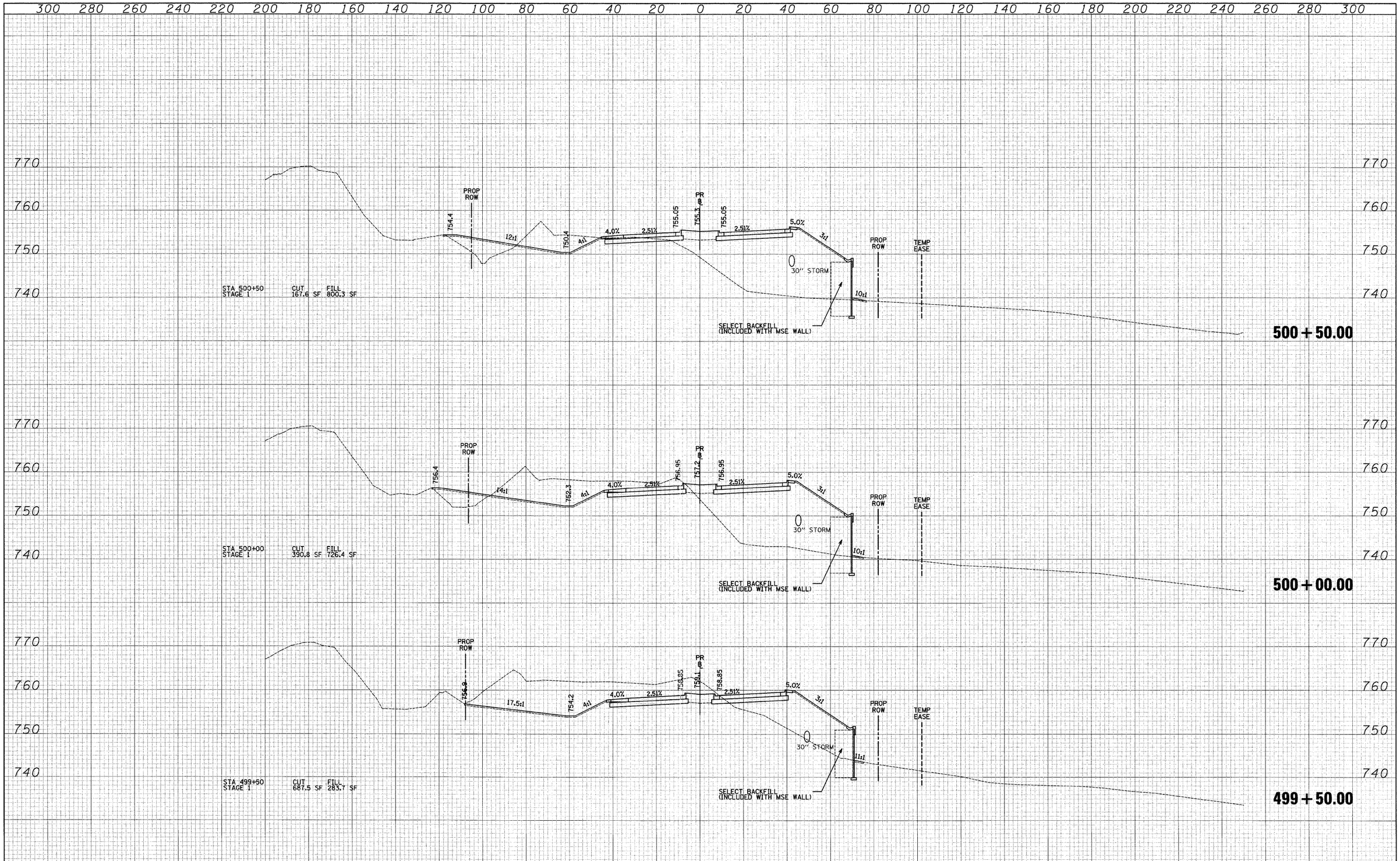
FILE NAME =	USER NAME = eod	DESIGNED - JSM	REVISED -
CIVILTECH		DRAWN - JSM	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DNM	REVISED -
	PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 54 OF 63 SHEETS | STA. 498+00.00 TO STA. 499+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	199
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME =

CIVILTECH

USER NAME = ead	DESIGNED - JSM	REVISED -
	DRAWN - JSM	REVISED -
PLOT SCALE = 20.0202 ' / IN.	CHECKED - DNM	REVISED -
PLOT DATE = 3/27/2009	DATE - 3/30/09	REVISED -

KANE COUNTY
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS – STEARNS ROAD

SCALE: 1"=10'V/20'H | SHEET NO. 55 OF 63 SHEETS | STA. 499+50.00 TO STA. 500+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-25-BR	KANE	220	200
		CONTRACT NO. 63076		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		