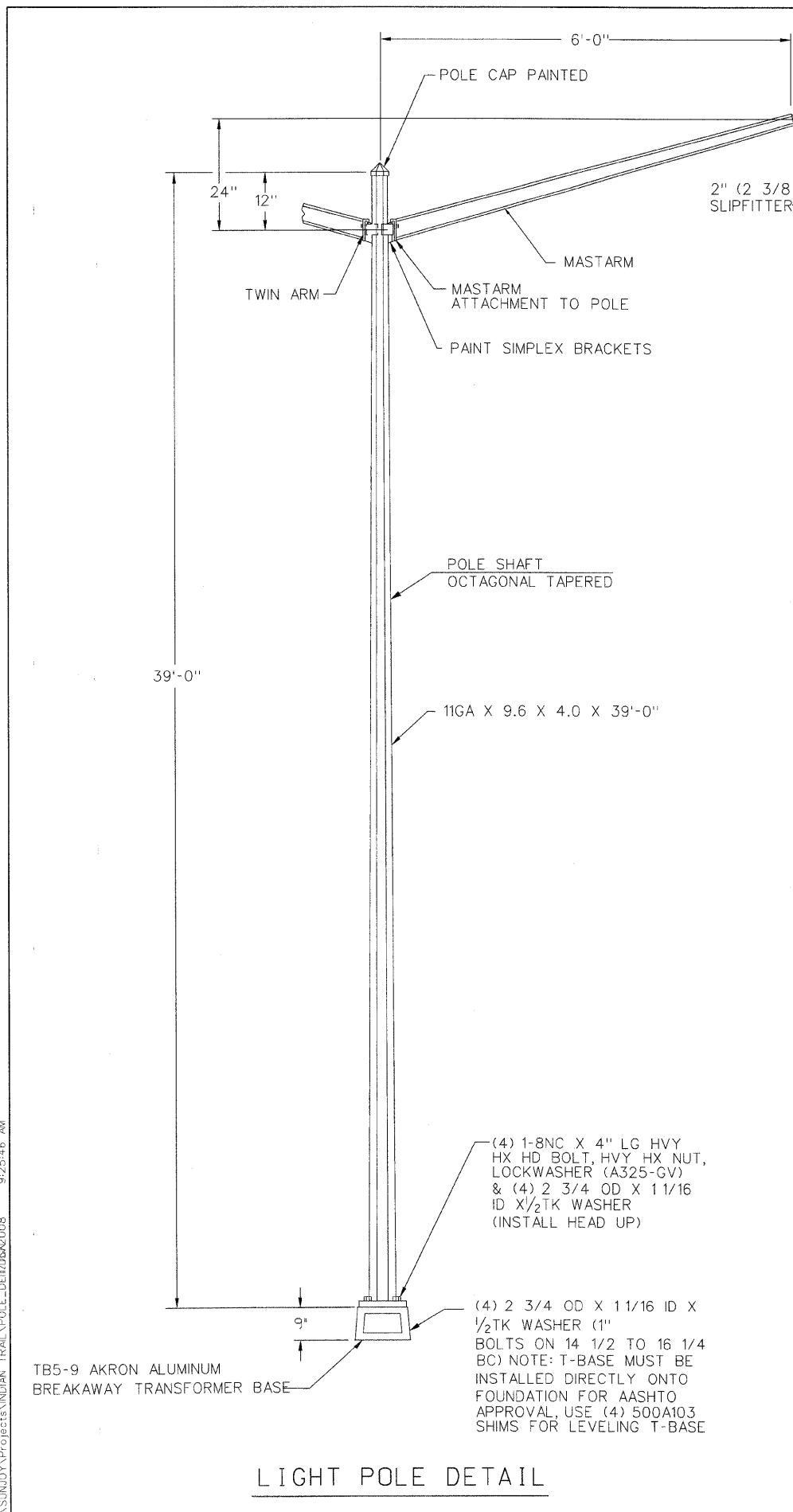
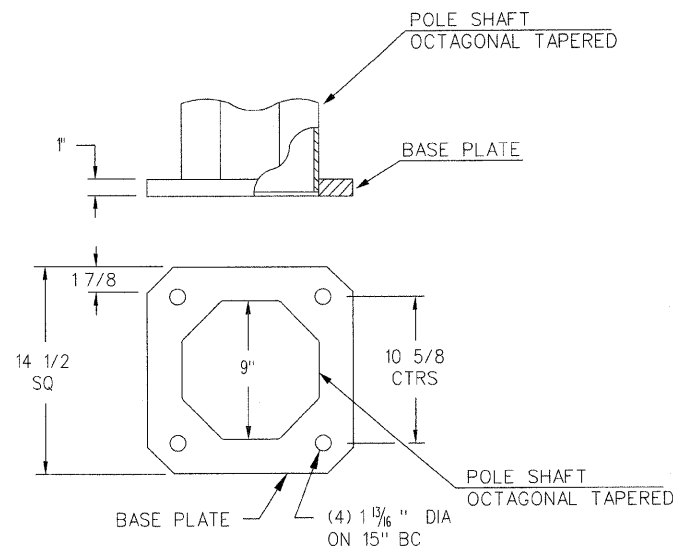


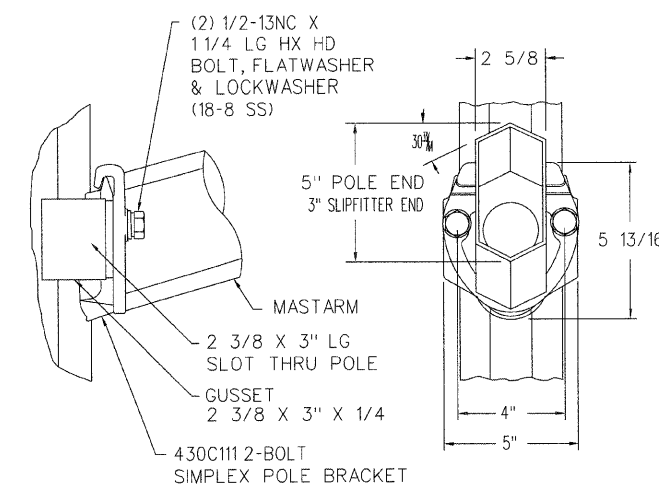
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	101



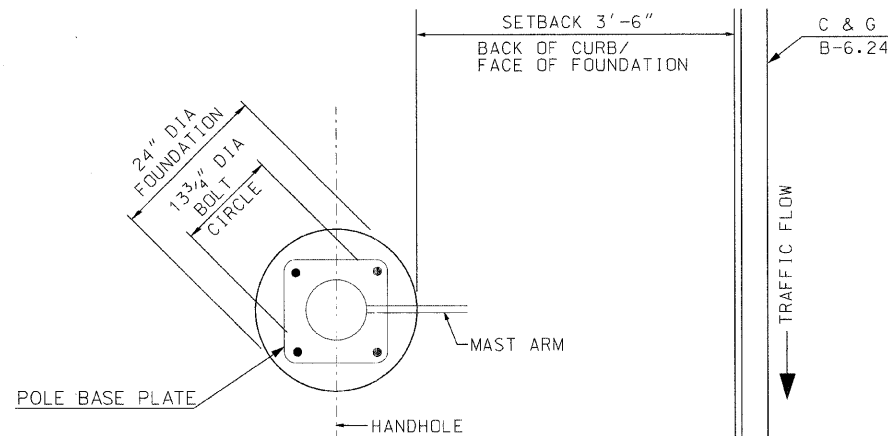
LIGHT POLE DETAIL



POLE BASE PLATE



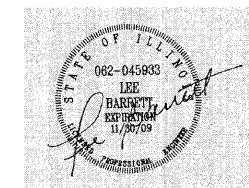
DETAIL 210A20 MASTARM ATTACHMENT TO POLE



POSITION OF ANCHOR BOLTS AND HOLDHOLE AND POLE SETBACK

NOTE:

1. LUMINAIRE ARE TO BE INSTALLED AS SOON AS POSSIBLE AFTER POLE ERECTION. THE POLE WILL NOT BE PAID FOR UNTIL THE LUMINAIRE IS INSTALLED
2. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA.
3. THE RACEWAY SHALL EXTEND A MINIMUM OF (12") ABOVE THE BASE



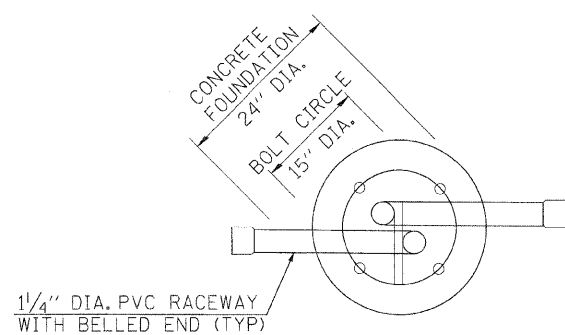
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Sunjoy Inc.
Area Lighting
212 TIMBERCREST DRIVE
SCHAUMBURG, ILLINOIS
60193-1572

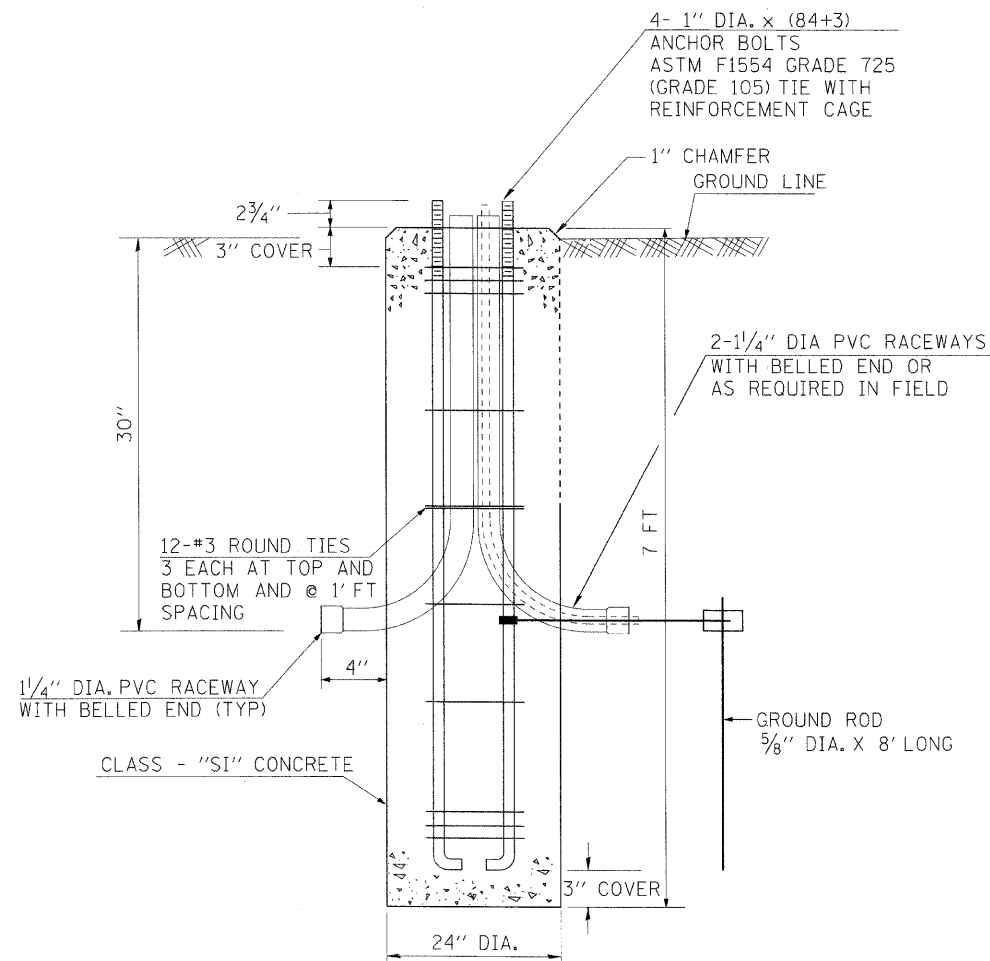
ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD
LIGHT POLE, WEATHERING STEEL
40FT MOUNTING HEIGHT, 8 FT MAST ARM

SCALE: NONE
DATE: 06-03-08
DRAWN BY: HKQ
CHECKED BY: JS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	102



TOP VIEW



FOUNDATION DETAIL

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	3.962 m (13'-0")	4.572 m (15'-0")	8-#6x3.810 m (12'-0")	#3x37.186 m (122')	8-#6x4.343 m (14'-3")	#3x42.977 m (141')
MEDIUM CLAY	2.896 m (9'-6")	3.277 m (10'-9")	8-#6x2.743 m (9'-0")	#3x27.432 m (90')	8-#6x3.048 m (10'-0")	#3x30.480 m (100')
STIFF CLAY	2.134 m (7'-0")	2.438 m (8'-0")	8-#6x1.981 m (6'-6")	#3x20.112 m (66')	8-#6x2.286 m (17'-6")	#3x23.165 m (76')
LOOSE SAND	2.743 m (9'-0")	3.048 m (10'-0")	8-#6x2.591 m (8'-6")	#3x25.908 m (85')	8-#6x2.896 m (9'-6")	#3x28.651 m (94')
MEDIUM SAND	2.515 m (8'-3")	2.743 m (9'-0")	8-#6x2.438 m (8'-0")	#3x23.774 m (78')	8-#6x2.591 m (8'-6")	#3x25.908 m (85')
DENSE SAND	2.362 m (7'-9")	2.743 m (9'-0")	8-#6x2.286 m (7'-6")	#3x22.250 m (73')	8-#6x2.591 m (8'-6")	#3x25.908 m (85')
ROCK OR SOLIDIFIED SLAG	1.524 m (5'-0")	1.524 m (5'-0")	NONE	NONE	NONE	NONE

NOTES: FOUNDATION

1. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
2. THE DESIGN DEPTH "D" OF FOUNDATION SHALL BE ACCORDING TO FIELD CONDITIONS.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24" IN DIAMETER.
4. THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" O.C.
5. THE ANCHOR BOLTS TIED WITH RACEWAYS AND TIES SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT STANDARD IS ERRECTED.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERRECTED.
8. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
9. THE CONTRACTOR SHALL COORDINATE EXTENTION OF ANCHOR BOLTS ABOVE THE TOP OF THE FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIRMENTS.



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ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD

LIGHT POLE, FOUNDATION 24" DIA.

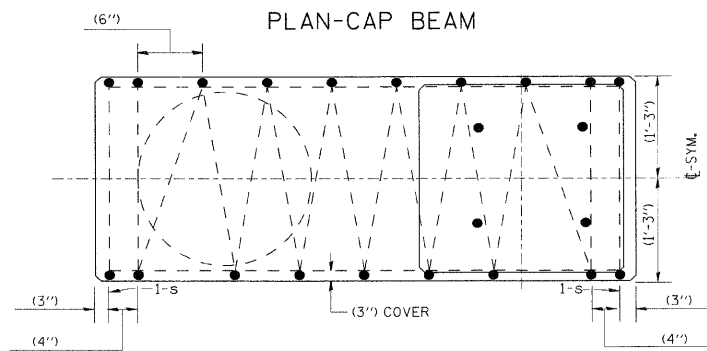
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DATE: 06-03-08

DRAWN BY: HKQ
CHECKED BY: JS

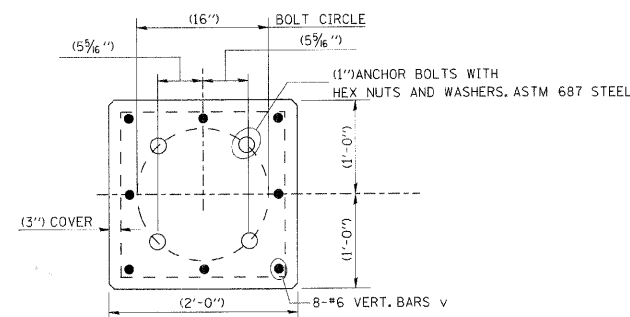
F.A. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	103
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

FOUNDATION DESIGN TABLE

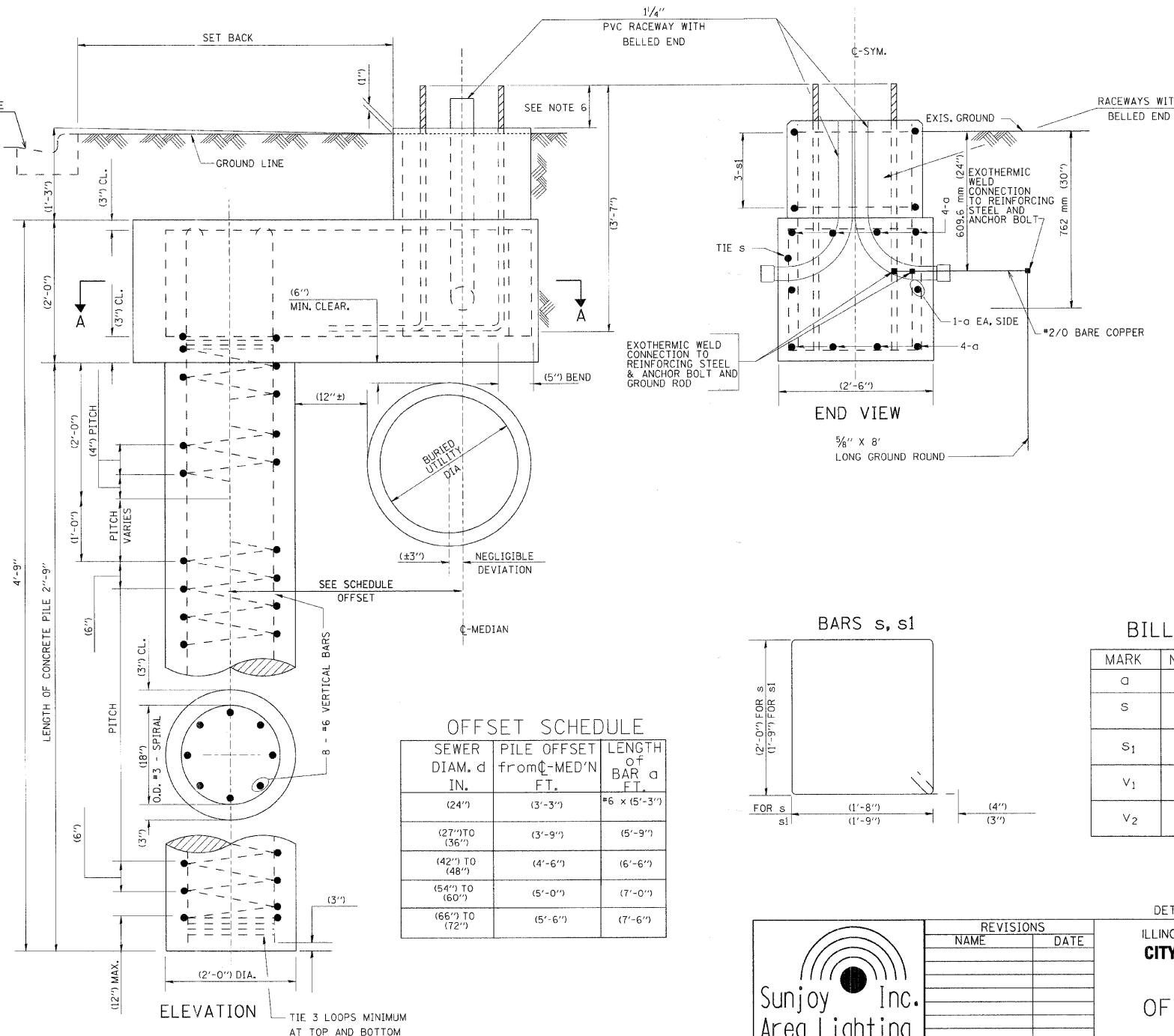
TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
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ROCK OR SOLIDIFIED SLAG	1.524 m (5'-0")	1.524 m (5'-0")	NONE	NONE	NONE	NONE



SECTION A-A

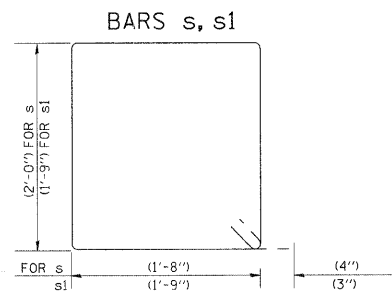


TOP VIEW



OFFSET SCHEDULE

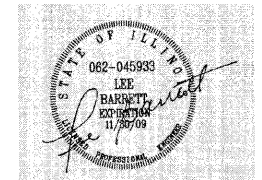
SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH OF BAR FT.
(24")	(3'-3")	#6 x (5'-3")
(27") TO (36")	(3'-9")	(5'-9")
(42") TO (48")	(4'-6")	(6'-6")
(54") TO (60")	(5'-0")	(7'-0")
(66") TO (72")	(5'-6")	(7'-6")



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	(8'-0")	□
s1	3	3	(7'-6")	□
v1	8	6	(2'-9")	—
v2				

- NOTES
1. THE CONTRACTOR SHALL IDENTIFY IN FIELD BURIED UTILITY CONFLICT FOR THE INSTALLATION OF CONCRETE FOUNDATION. THE ENGINEER SHALL DETERMINE USE OF OFFSET FOUNDATION DESIGN AND LOCATION FOR PILE INSTALLATION.
 2. THE SHAFT FOR PILE SHALL BE MADE WITH AN AUGER, (24") IN DIAMETER.
 3. THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
 4. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
 5. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
 6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE LIGHT POLE MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
 7. RACEWAYS SHALL PROJECT (1") ABOVE THE TOP OF THE FOUNDATION.
 8. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR TEN (10) DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
 9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED.



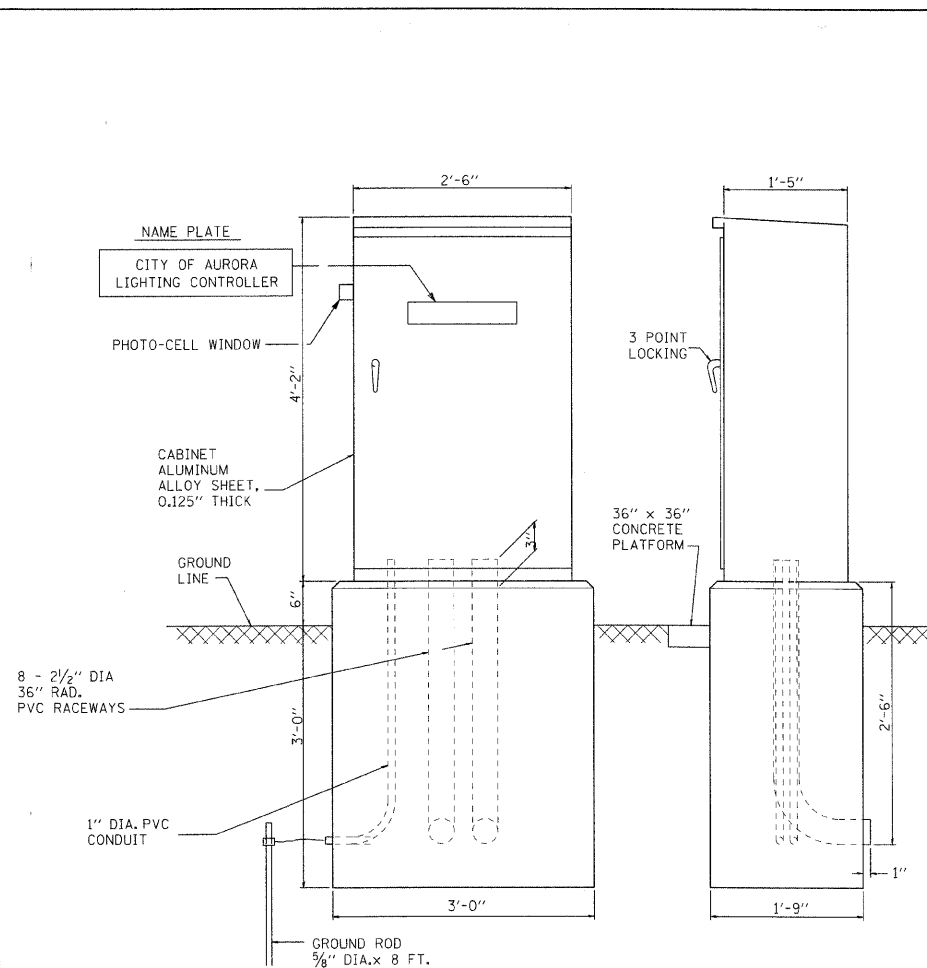
Sunjoy Inc. Area Lighting
212 TIMBERCREST DRIVE
SCHAUMBURG, ILLINOIS
60193-1572

REVISIONS

NAME	DATE

DETAILS FROM BEO/IDOT DRAWING #BEG
ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD
OFFSET FOUNDATION
SCALE: NONE
DRAWN BY JKM
DATE \$\$\$DATE\$\$
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	104



CONTROL CABINET - CONSOLE TYPE

NOTES

THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET DOOR SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.

THE CONTRACTOR SHALL REMOVE VEGETATION AND TOPSOIL, LEVEL THE AREA IN FRONT OF THE CONTROL CABINET DOOR AND PLACE LENGTH WISE, PARALLEL TO CONTROL CABINET, A PRECAST PAD, 36"x60"x3" MINIMUM SIZE. THE COST OF LABOR AND MATERIALS SHALL BE INCIDENTAL TO THE CONTROL CABINET.

CONTROL WIRE SHALL BE #12 AWG, 600V, TYPE "SIS" STRANDED COPPER GRAY SWITCH BOARD WIRE. THE ENDS OF ALL CONTROL WIRES SHALL BE IDENTIFIED.

ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.

ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.

R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN

PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.

ALL 120 VOLT SYSTEM CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.

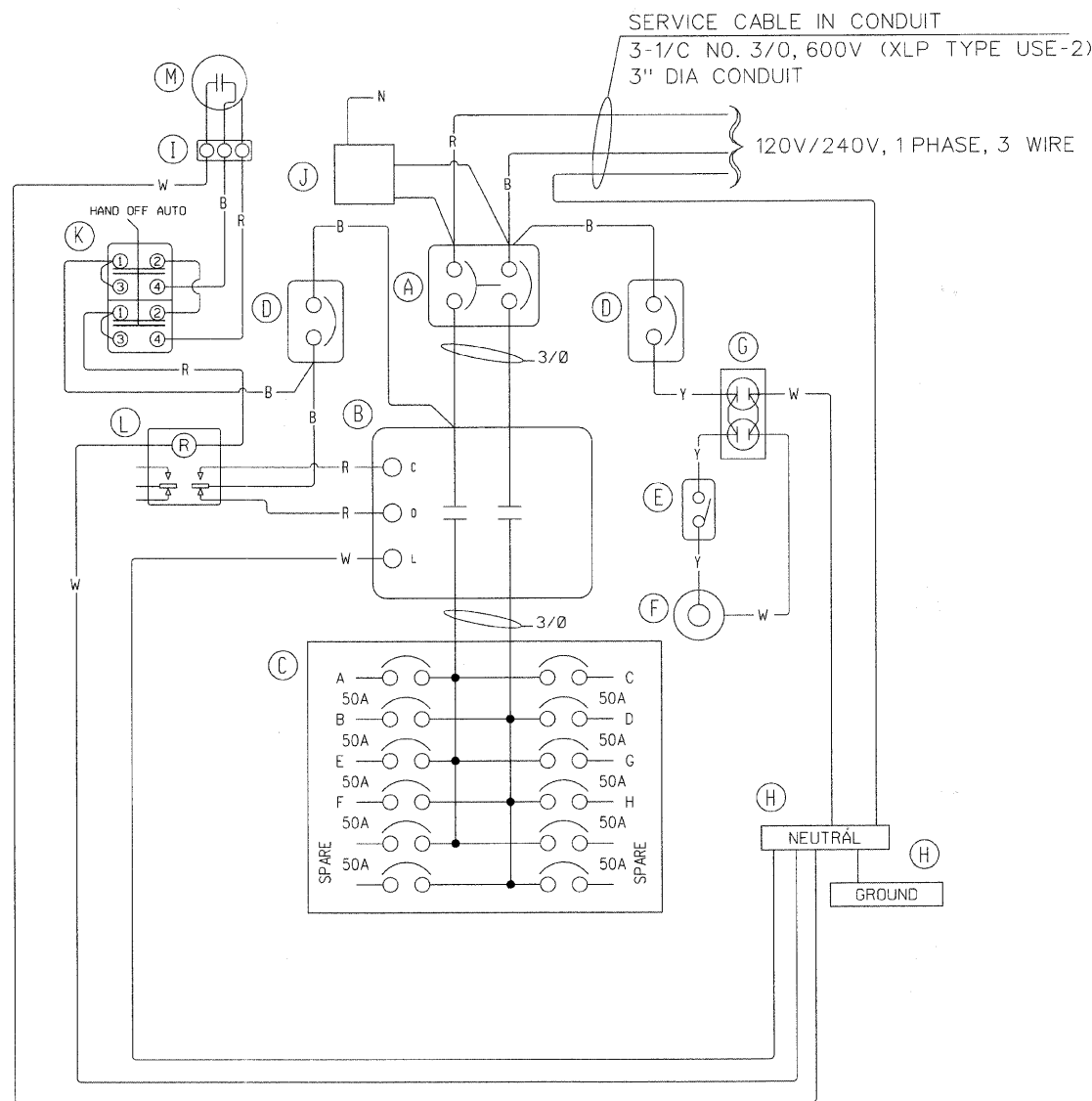
THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUSS CONNECTION AND GREEN FOR GROUND BUSS CONNECTORS.

PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES WITHIN THE CONTROL CABINET.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".

PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR. THE HOLDER AND POUCH SHALL BE MOUNTED SO THAT RAIN WATER OR CONDENSED WATER CANNOT ENTER THE POUCH WITH THE CABINET DOOR OPEN. FURNISH THE APPROVED COPY OF THE "CONTROL CABINET WIRING DIAGRAM".



PANEL WIRING DIAGRAM
200 AMPERE, 120/240 VOLT, 1 PHASE, 3 WIRE

POWER WIRING RHH/RHW
CONTROL WIRING #12 MTW
NEUTRAL BUS COLOR CODED WHITE
GROUND BUS COLOR CODED GREEN
UL LISTED

BL = BLUE
W = WHITE
B = BLACK
R = RED
Y = YELLOW

DEVICE SCHEDULE

ITEM	QUANT.	DESCRIPTION
(A)	1	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 600V. A.C., 225A. FRAME, 200A. NON-INTERCHANGABLE TRIP. BOLT-ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 65,000 RMS SYMMETRICAL AMPERES AT 240V.
(B)	1	LIGHTING CONTACTOR (REMOTE CONTROL SWITCH) MECHANICALLY HELD, ASCO 920, MOUNTED ON SUB PANEL, 200A., 2P., 600V. WITH 120V. COIL.
(C)	1	PANELBOARD (INTERIOR ONLY) 240/1200V. SINGLE PHASE WITH 200A. COPPER MAINS AND TWELVE IP-50A BOLT-ON BRANCH BREAKERS EACH RATED 277V. WITH INTERRUPTING CAPACITY OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(D)	2	CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 277V., BOLT-ON TYPE WITH AN INTERRUPTING RATING OF NOT LESS THAN 14,000 RMS SYMMETRICAL AMPERES AT 277V.
(E)	1	MICRO SWITCH (MOUNT WITH ACTUATOR TO SWITCH WHEN DOOR OPENED)
(F)	1	60 WATT LIGHT FIXTURE, VAPORTIGHT, WITH GLOBE AND GUARD AND MOUNTING BOX.
(G)	1	GFI RECEPTACLE, 120V., 15A., PREMIUM SPEC. GRADE. NEMA REFERENCE 5-15R IN WEATHER-PROOF BOX WITH FLAP-TYPE COVER.
(H)	2	GROUND AND NEUTRAL BUS
(I)	1	3 POINT TRMINAL BLOCK
(J)	1	SURGE ARRESTOR, 600 V
(K)	1	HOA SWITCH
(L)	1	CONTROL RELAY 120V
(M)	1	PHOTOCELL

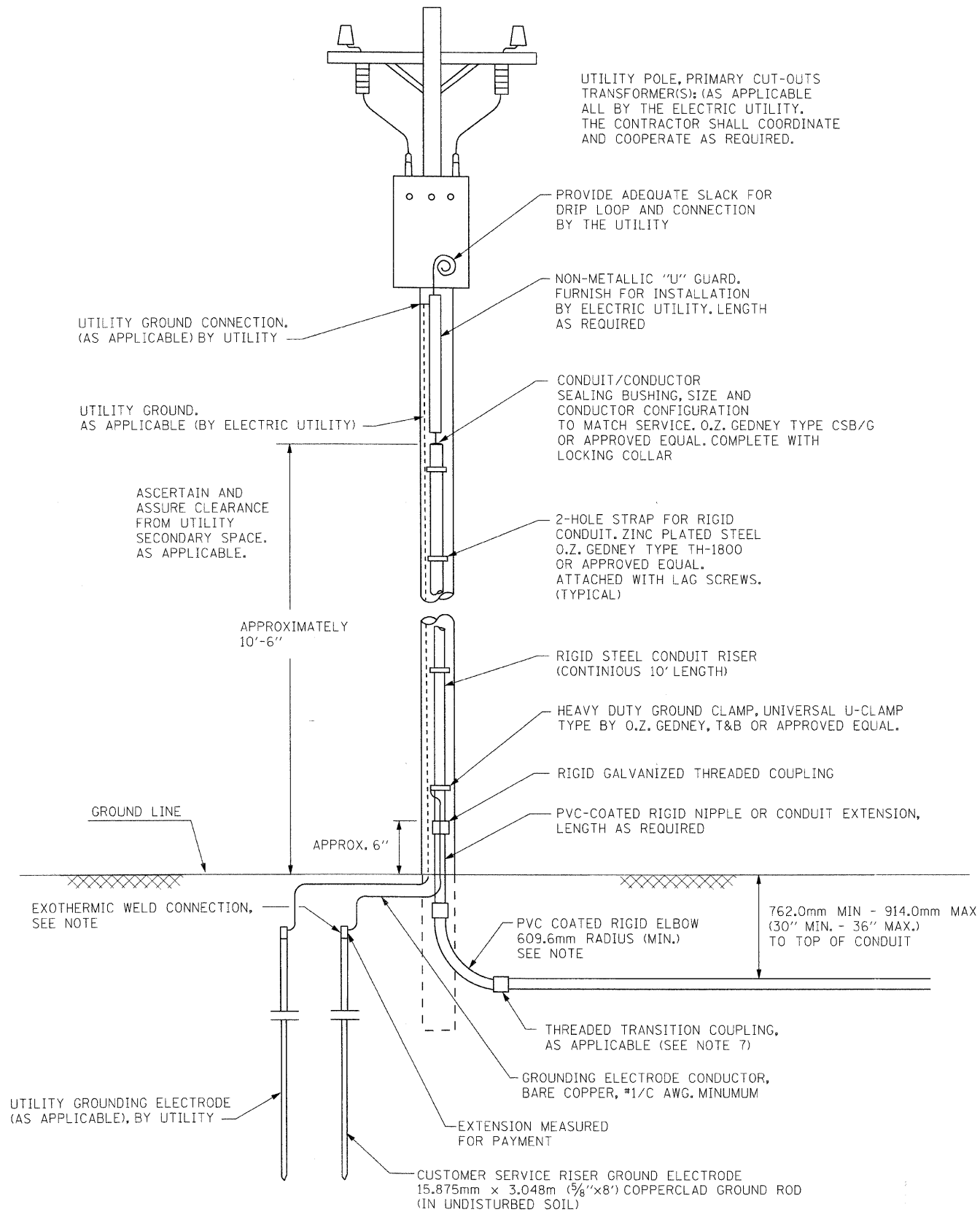


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60193-1572

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD
LIGHTING CONTROLLER, CONSOLE TYPE
200 AMP, 120/240 VOLT, 1 PHASE, 3 WIRE

SCALE: NONE DATE: 06-03-08 DRAWN BY: HKO CHECKED BY: JS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	105



UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S): (AS APPLICABLE ALL BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AND COOPERATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

NON-METALLIC "U" GUARD, FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. O.Z. GEDNEY TYPE CSB/G OR APPROVED EQUAL. COMPLETE WITH LOCKING COLLAR

2-HOLE STRAP FOR RIGID CONDUIT. ZINC PLATED STEEL 0.2, GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' LENGTH)

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING

PVC-COATED RIGID NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

PVC COATED RIGID ELBOW 609.6mm RADIUS (MIN.) SEE NOTE

762.0mm MIN - 914.0mm MAX (30" MIN. - 36" MAX.) TO TOP OF CONDUIT

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 7)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/C AWG. MINIMUM

EXTENSION MEASURED FOR PAYMENT

CUSTOMER SERVICE RISER GROUND ELECTRODE 15.875mm x 3.048m (5/8"x8') COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL)

UTILITY GROUND CONNECTION, (AS APPLICABLE) BY UTILITY

UTILITY GROUND, AS APPLICABLE (BY ELECTRIC UTILITY)

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

APPROXIMATELY 10'-6"

GROUND LINE

APPROX. 6"

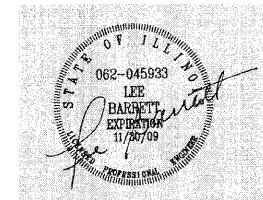
EXOTHERMIC WELD CONNECTION, SEE NOTE

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

**PROPOSED SERVICE INSTALLATION
POLE TOP MOUNTED TRANSFORMER**

NOTES:

1. THE PAY ITEM - "ELECTRIC UTILITY SERVICE CONNECTION" SHALL CONSIST OF PAYMENT FOR WORK PERFORMED BY THE ELECTRIC UTILITY COMPANY IN PROVIDING OR MODIFYING ELECTRIC SERVICE AS INDICATED.
2. THE PAY ITEM- "ELECTRIC SERVICE INSTALLATION" SHALL CONSIST OF ALL MATERIAL AND LABOR REQUIRED TO EXTEND, CONNECT OR MODIFY THE ELECTRIC SERVICE AS INDICATED OR SPECIFIED, WHICH IS OVER AND ABOVE THE WORK PERFORMED BY UTILITY COMPANY. THE SERVICE METER SOCKET, AS APPLICABLE, MOUNTED ELSEWHERE, SHALL BE INCLUDED IN THIS PAY ITEM.
3. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE PROJECT DRAWINGS.
4. ELECTRIC SERVICE SPAN BETWEEN THE CONTROLLER AND UTILITY TRANSFORMER SHALL NOT EXCEED 250 FEET.
5. CONDUIT FOR SERVICE CABLE:
 - 5.1 CONDUIT DIAMETER AND CONDUIT FITTINGS SHALL BE SIZED WITH WIRE GAUGE AND MAXIMUM NUMBER OF CONDUCTORS PERMITTED BY NEC.
 - 5.2 CONDUIT FOR SERVICE CABLE SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.
 - 5.3 PVC COATED GALVANIZED STEEL CONDUIT AND CONDUIT FITTINGS OF THE SAME TYPE SHALL BE CAREFULLY INSTALLED WITH MANUFACTURER'S RECOMMENDED TOOLS AND PROCEDURES. DAMAGE TO CONDUIT SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACE AT NO ADDITIONAL COST.
 - 5.4 THE COUPLING (CONDUIT FITTING) SHALL BE A METALLIC TO NON-METALLIC ADAPTER BETWEEN STEEL CONDUIT AND PVC CONDUIT.
 - 5.5 CONCRETE COVER OVER THE ENCASED RACEWAY RUN SHALL BE A MINIMUM 3 INCH ALL AROUND.
6. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS OF THE UTILITY SERVICE WITHOUT EVERY ACCESSORY AND ATTACHMENT. THE CONTRACTOR IS OBLIGED TO THE CONTRACTOR SHALL COORDINATE IN FURNISHING ALL MATERIAL AND WORK NOT PROVIDED BY THE UTILITY FOR COMPLETING ELECTRIC SERVICE INSTALLATION.
7. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER AND UTILITY COMPANY BEFORE BACKFILL AND/OR ENCLOSING ELECTRIC SERVICE INSTALLATION.



DETAILS FROM BE0/ID0T 05-21-05

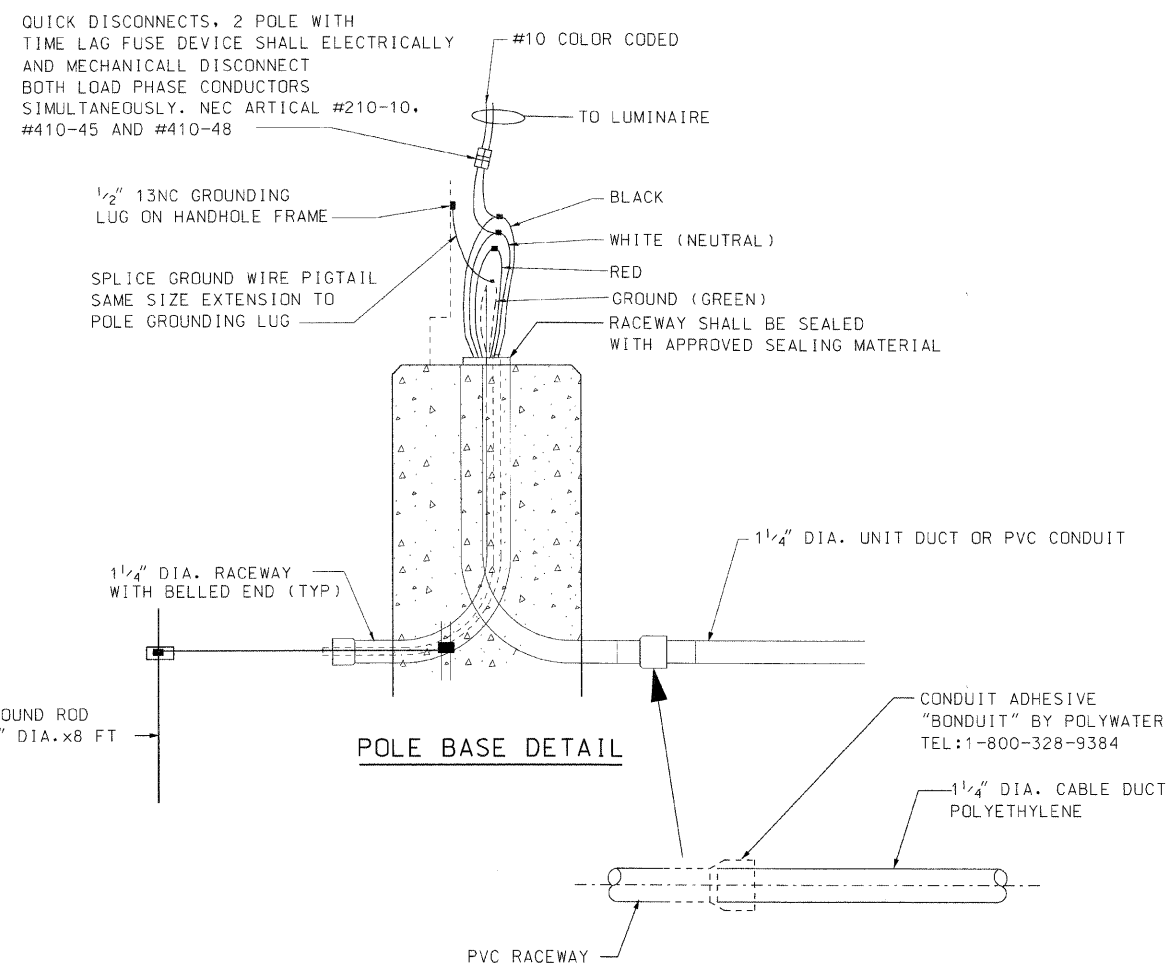


ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD
**ELECTRIC SERVICE INSTALLATION
ABOVE GROUND**

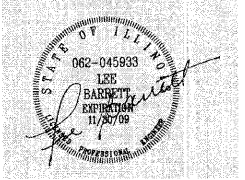
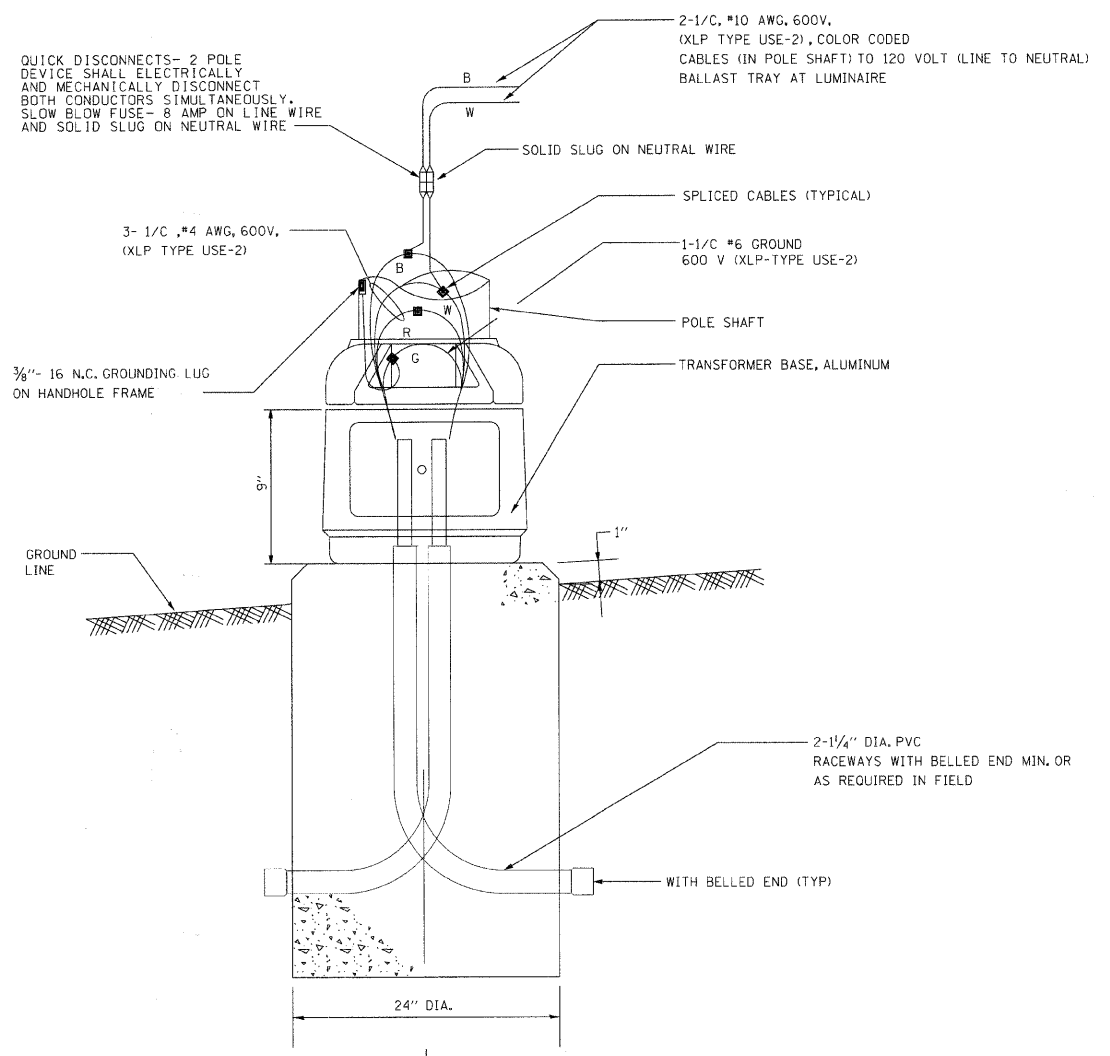
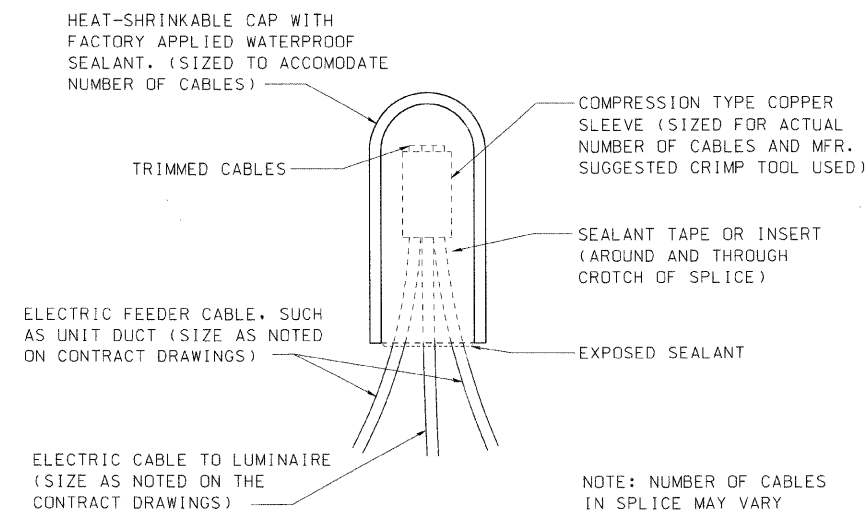
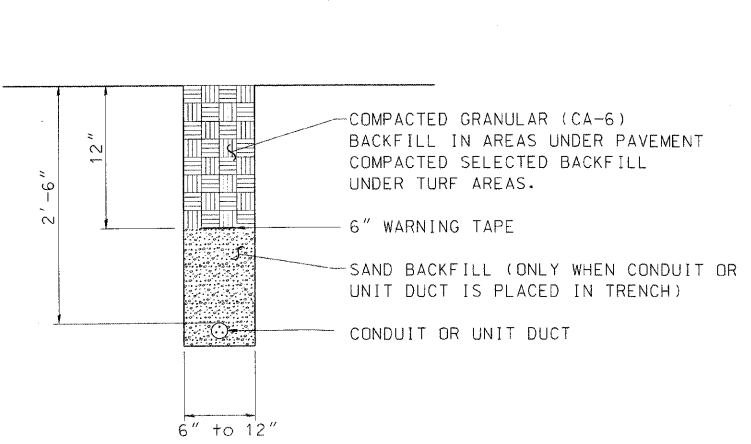
SCALE: NONE
DATE: 06-03-08

DRAWN BY HKQ
CHECKED BY JS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	106



PVC RACEWAY AND POLYETHYLENE UNIT DUCT/PVC CONDUIT JOINT CONNECTION DETAILS



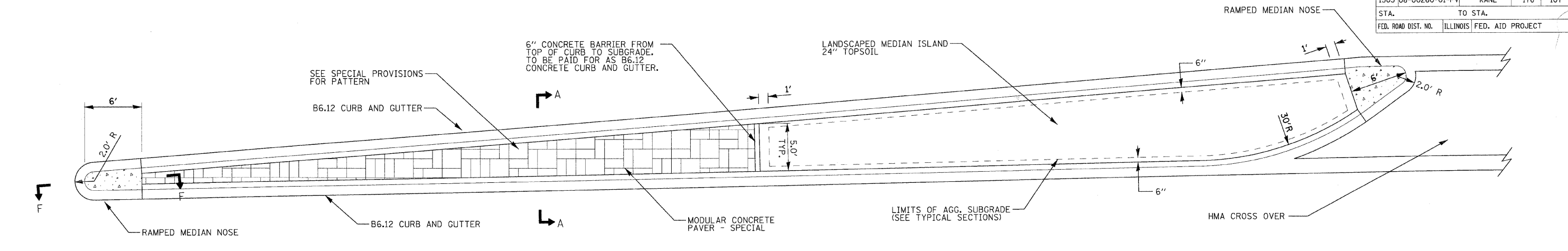
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60193-1572

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF AURORA, KANE COUNTY
INDIAN TRAIL ROAD
ELECTRICAL DETAILS

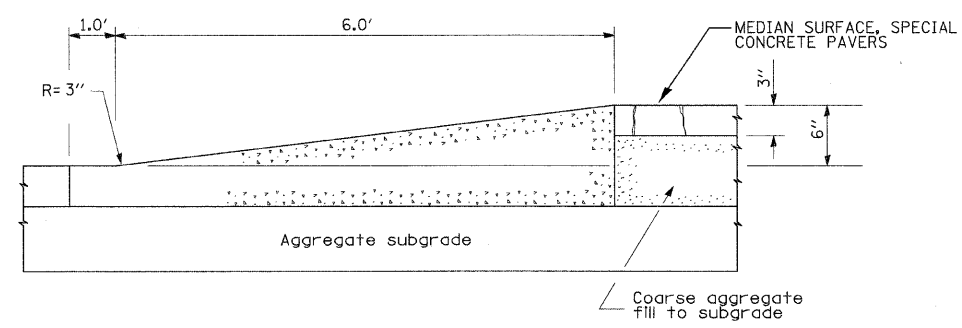
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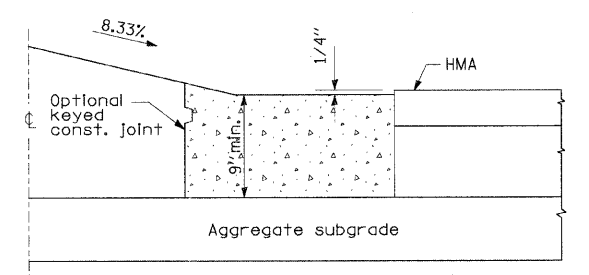
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



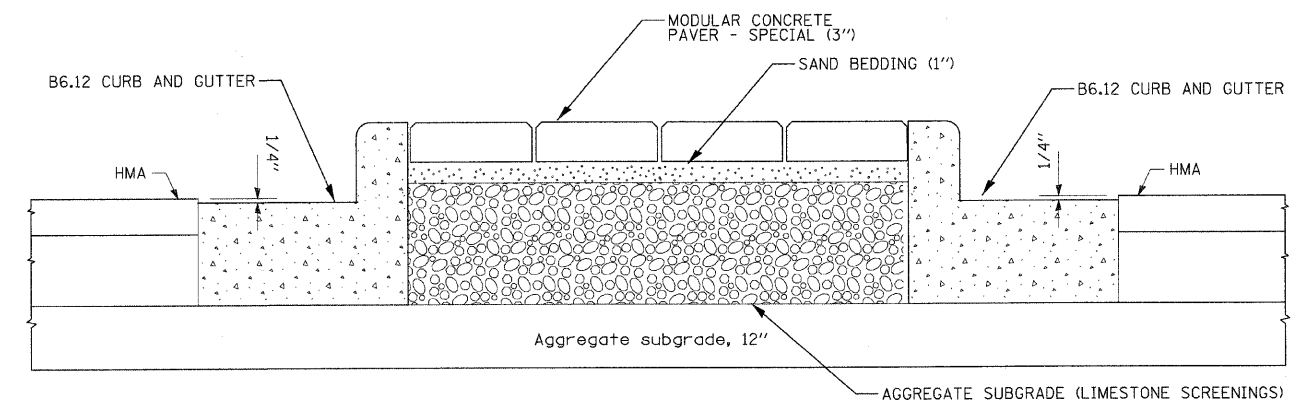
TYPICAL PLAN OF MEDIAN ISLAND



SECTION F-F

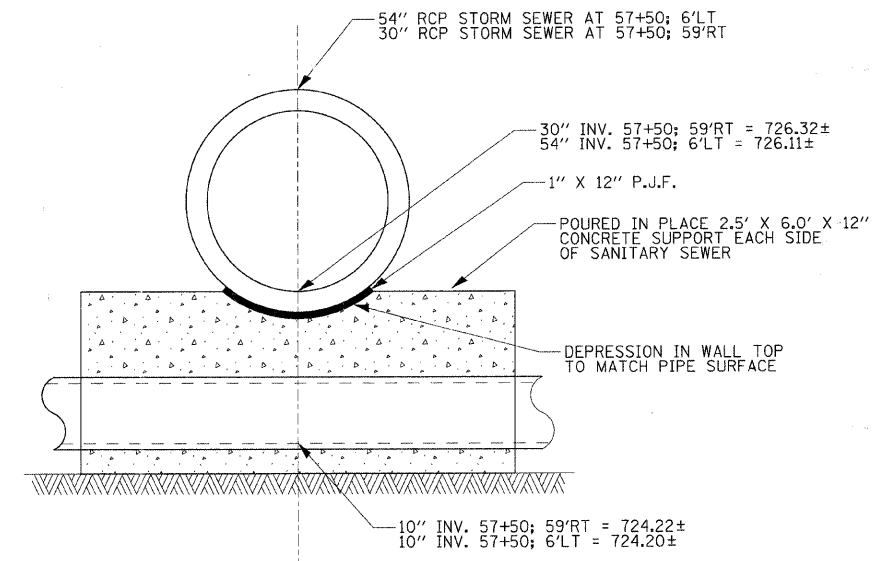
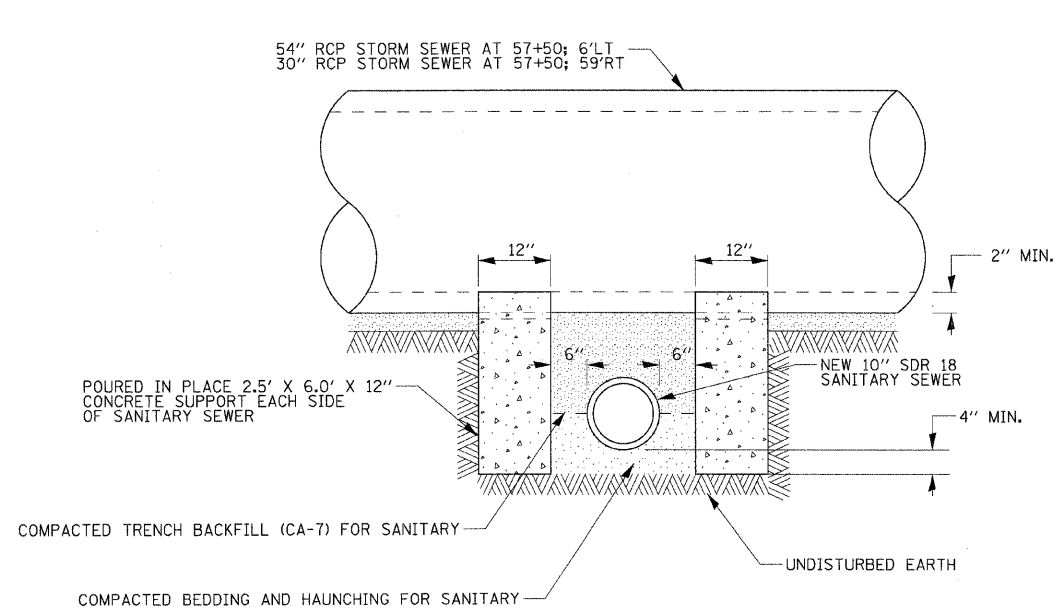


HALF SECTION FOR FLEXIBLE PAVEMENT



SECTION A-A

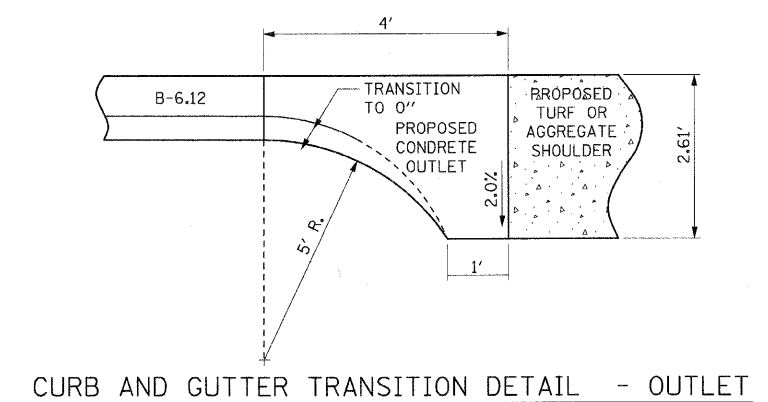
NOTE: MEDIAN SURFACES SHALL BE SLOPED OR CROWNED TO ASSURE POSITIVE DRAINAGE.



ALL LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED AND SUPPORT WALLS SHALL NOT BE CONSTRUCTED WITHOUT APPROVAL OF THE ENGINEER.

CONCRETE SUPPORT WALLS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEM, "SANITARY SEWER REMOVAL AND REPLACEMENT 10".

RCP STORM SEWER PIPE SUPPORT DETAIL FOR CROSSING SANITARY SEWER AT STA. 57+50; 6"LT and 59"RT



CURB AND GUTTER TRANSITION DETAIL - OUTLET

PLOT DATE = 5/25/2009
FILE NAME = H:\Users\m120095\ITP\11\CA\11\Site\Details_R101.dgn
USER NAME = JUSER



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CONSTRUCTION DETAILS

SCALE: VERT. NONE
DATE 1/7/09

DRAWN BY
CHECKED BY TC/SBP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	108
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

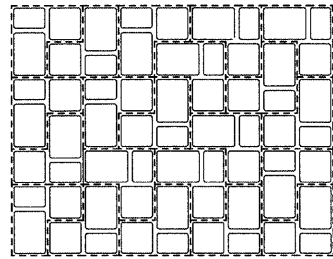
STRUCTURAL DESIGN OF UNILOC ECO-OPTILOC PAVEMENT

STRUCTURAL NUMBERS (SN):
(STRUCTURAL NUMBERS VARY DEPENDING ON THE SPECIFICATIONS OF THE INDIVIDUAL PRODUCT. THESE NUMBERS ARE CONSERVATIVE FOR THE PURPOSE OF PROVIDING THE BEST POSSIBLE PRODUCT)

CONCRETE =	0.50
UNILOC ECO-OPTILOC =	0.50
ASPHALT SURFACE COURSE =	0.40
ASPHALT BASE COURSE =	0.30
ROCK BASE =	0.10

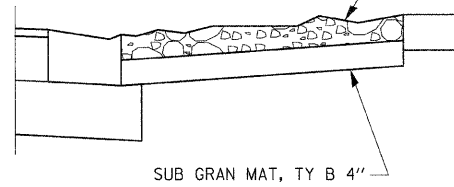
UNILOC ECO-OPTILOC - 3" PAVER BLOCK
ON 2" CA-17 ROCK ON 17" CA-7 ROCK

SN = 3" x 0.50 + 19" x 0.10 = 3.4



PAVERS MUST BE INSTALLED PER UNILOC SPECIFICATIONS AND LAYING PATTERNS

EXPOSED AGGREGATE CONCRETE. (5" THICKNESS)
COLOR AND WHITE AGGREGATE TO BE INTEGRAL TO THE CONCRETE MIX.



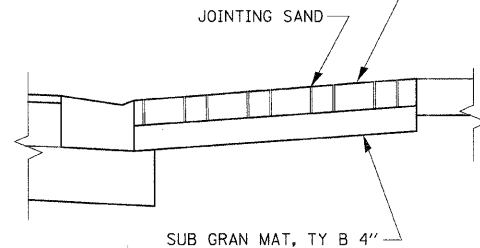
EXPOSED AGGREGATE CONCRETE SIDEWALK

EXPOSED AGGREGATE SIDEWALK DESIGN NOTES

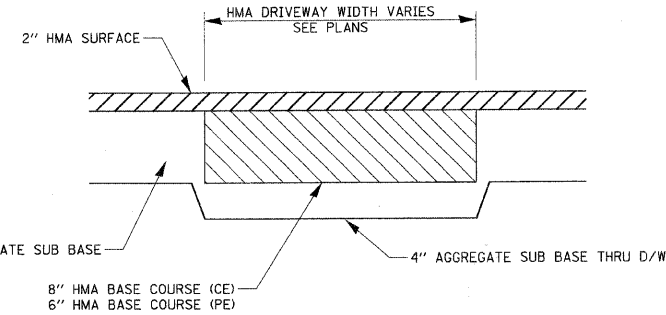
Color: Scofield Integral Color SG, SG084-2 Wheat Fields
Retarder: "Top Cast" No. Code 50 by Grace Construction Products
Curing Agent: Curesal S with Anti-skid Agent
Anti-Skid Agent: Ozinga Grip at 16 oz / 5 gal of Curesal
•Course Aggregate: CA#7 from Vulcan's McCook Quarry
Design Mix:

Ozinga Design Mix - 1097
Strength at 28 days - 4,000 PSI
Slump Range - 4" 35/64 1"
Air Content - 5% 35/64 1"
Cement - 470 lb Type 1, ASTM C150
Fly Ash - 100 lb, ASTM C618
Fine Aggregate - 1,360 lb / cy, #2 Natural Sand, ASTM C33
•Course Aggregate - 1,750 lb / cy, CA#7, ASTM C33
Water - 260 lbs / cy, ASTM C94 Potable
Water Reducing Agent - 14.1 oz / cy, ASTM C494, Type A/D

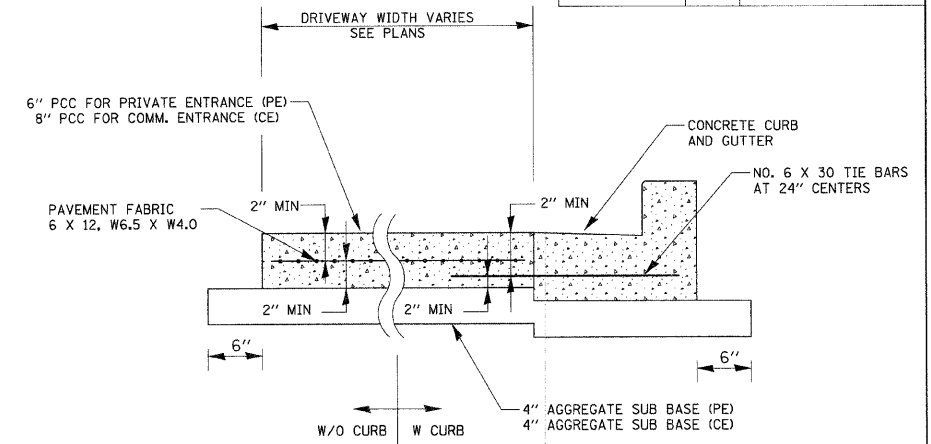
BRICK PAVER SIDEWALK (2 3/8" PAVERS)



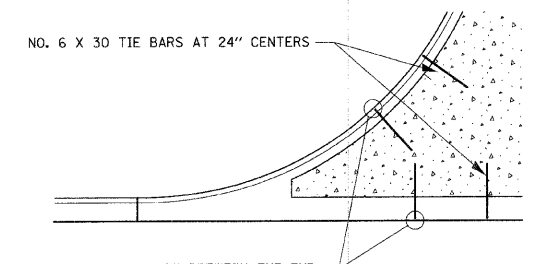
CONCRETE PAVER SIDEWALK SECTION



HMA PATH AT DRIVEWAY CROSSING



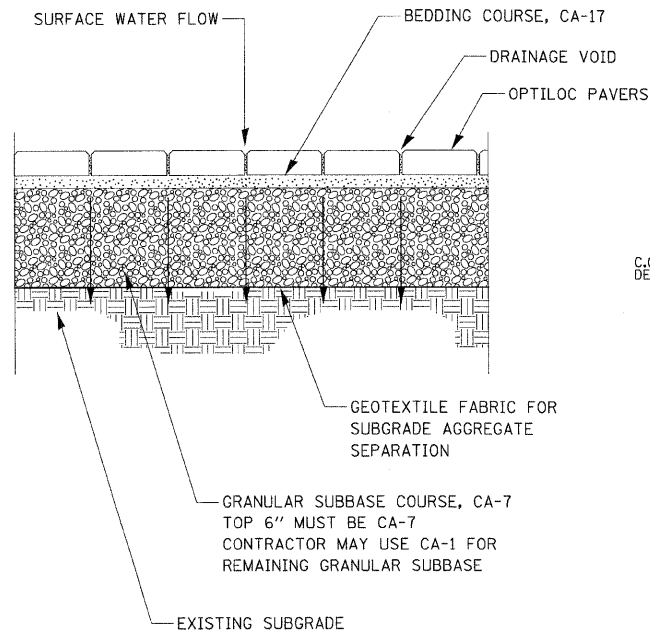
CONCRETE DRIVEWAY



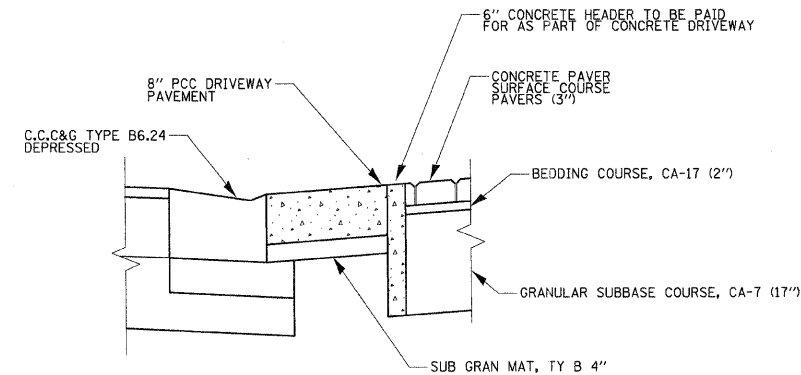
A MINIMUM CLEARANCE OF 2" BETWEEN THE END OF THE TIE BAR AND THE OUTSIDE FACE OF THE CURB SHALL BE MAINTAINED.

TIE BARS FOR CONCRETE DRIVEWAY WITH ADJACENT CURB AND GUTTER

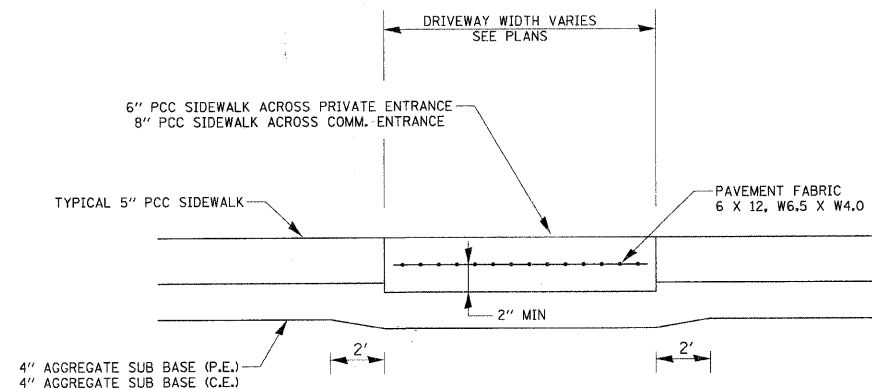
CONCRETE COMMERCIAL ENTRANCE



PERMIABLE CONCRETE PAVER SURFACE



SECTION AT POLICE HEADQUARTERS AND PARK ENTRANCE



SIDEWALK CROSSING DRIVEWAY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION DETAILS

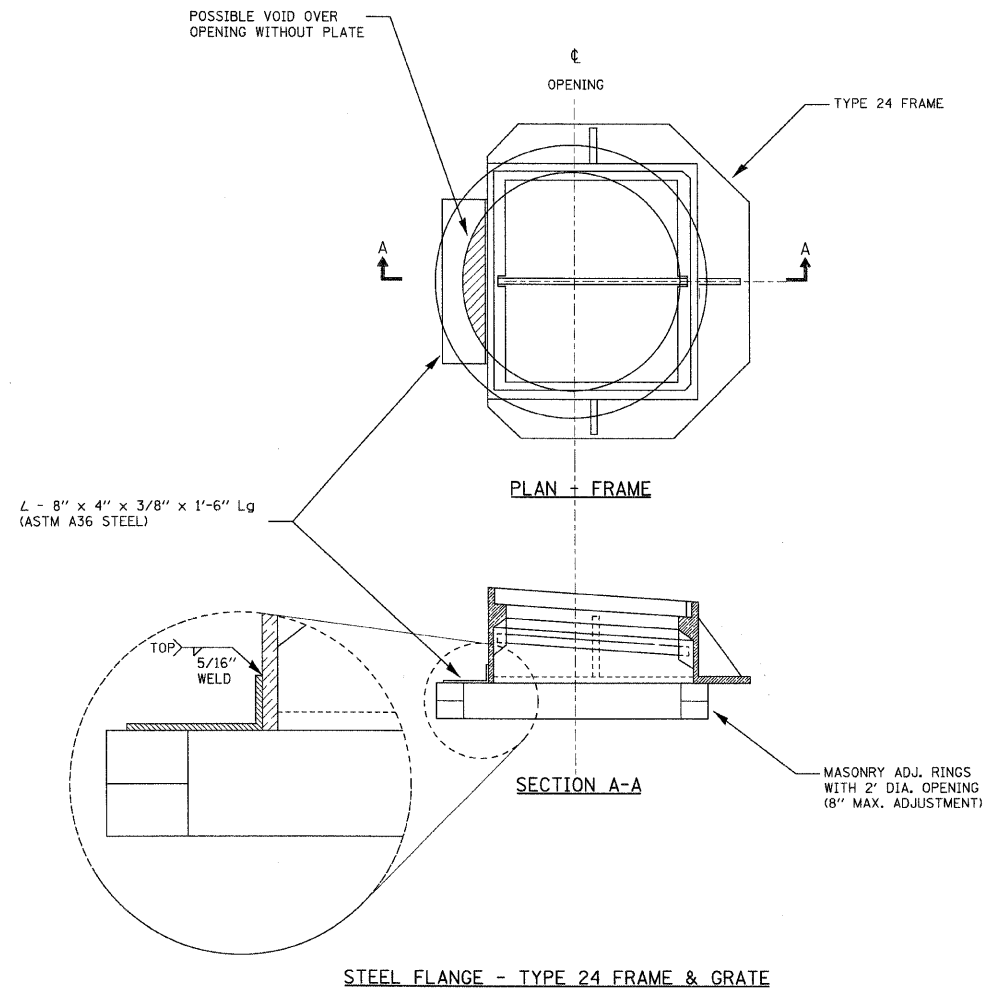
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DATE: 1/7/09

DRAWN BY
CHECKED BY TC/SBP

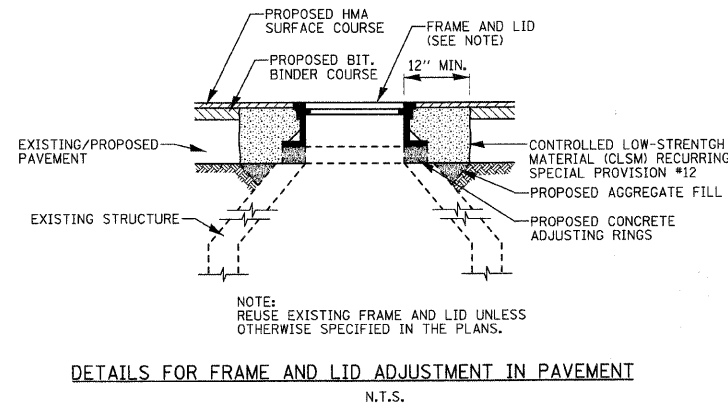
RHAA
Robert H. Anderson & Associates, Inc.
Consulting Engineers & Land Surveyors
License No. 184-015291
Phone No. 630-584-3530

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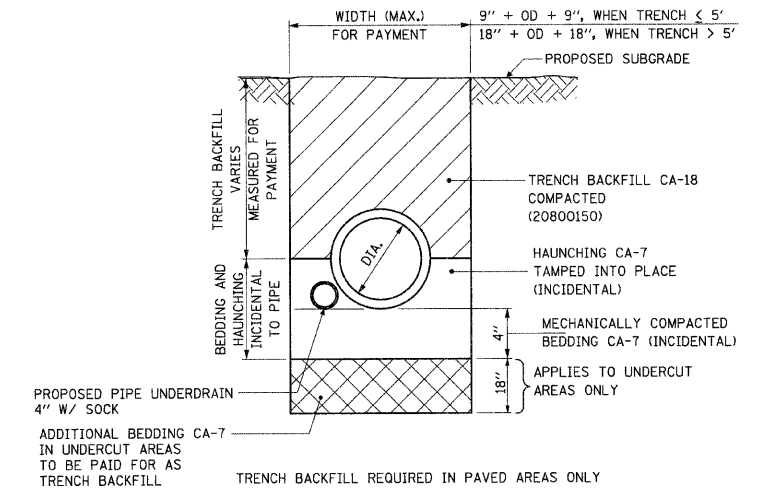
F.A.U. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	109
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



STEEL FLANGE - TYPE 24 FRAME & GRATE

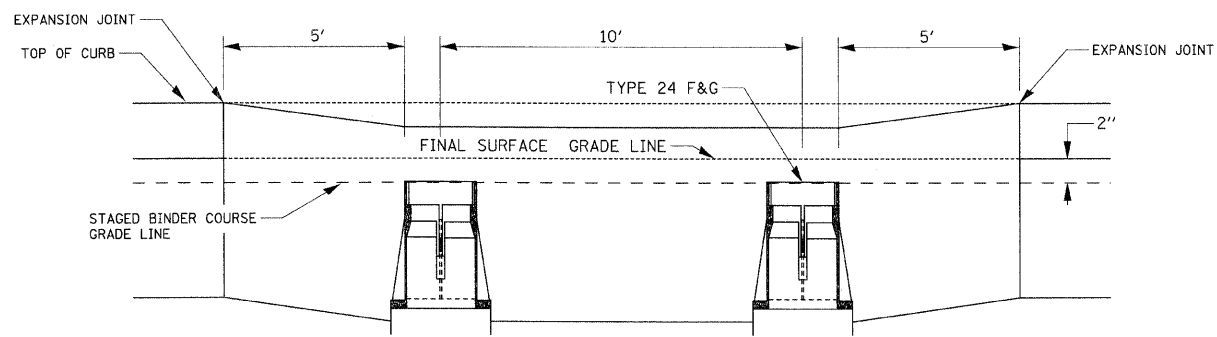


DETAILS FOR FRAME AND LID ADJUSTMENT IN PAVEMENT
N.T.S.



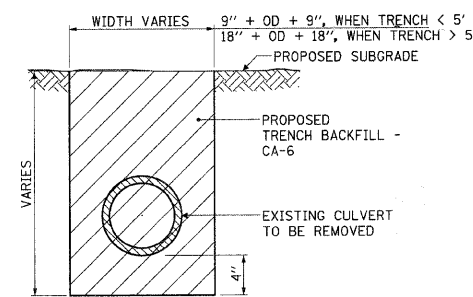
PROPOSED TRENCH - STORM SEWER WITH UNDERDRAIN DETAIL
SEE PLANS FOR UNDERDRAIN LOCATIONS

1. NO TRENCHBACKFILL WILL BE COMPUTED FOR THE PIPE UNDERDRAIN THAT IS IN THE SAME TRENCH AS THE STORM SEWER.

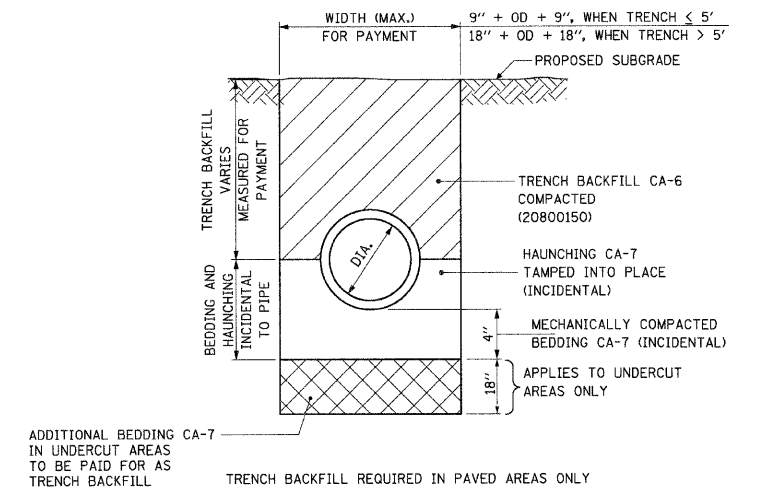


SPECIAL CURB DETAIL FOR STAGED CONSTRUCTION
(SAG LOCATION ILLUSTRATED)

STATION	OFFSET	STRUCTURE NO.
46+07	30' LT	(112)
46+17	30' LT	(113)
46+17	30' RT	(114)
46+07	30' RT	(115)
72+05	30' LT	(226)
72+05	30' RT	(228)



TRENCH BACKFILL - EXISTING CULVERT REMOVAL
TRENCH BACKFILL REQUIRED IN PAVED AREAS ONLY



PROPOSED TRENCH - STORM SEWER

1. NO TRENCHBACKFILL WILL BE COMPUTED FOR THE PIPE UNDERDRAIN THAT IS IN THE SAME TRENCH AS THE STORM SEWER.

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REVISIONS	
NAME	DATE

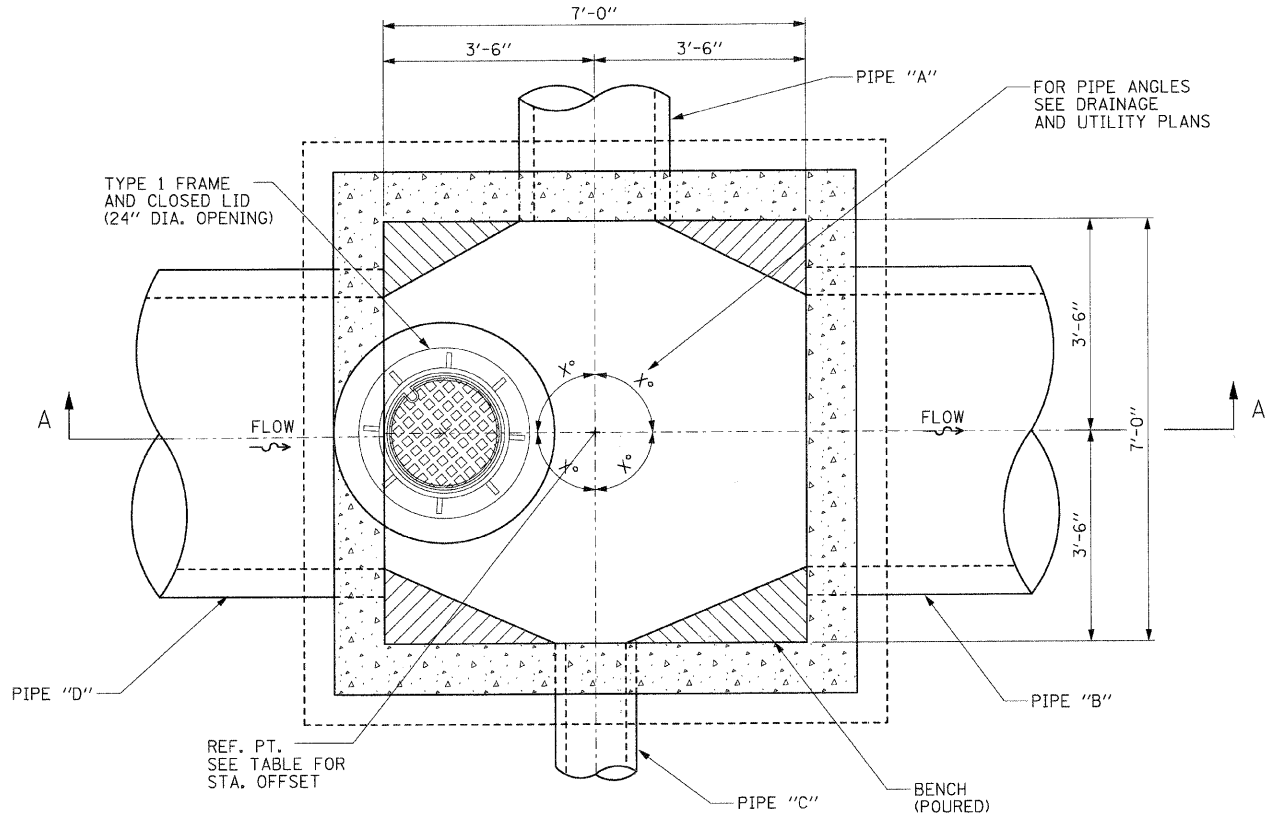
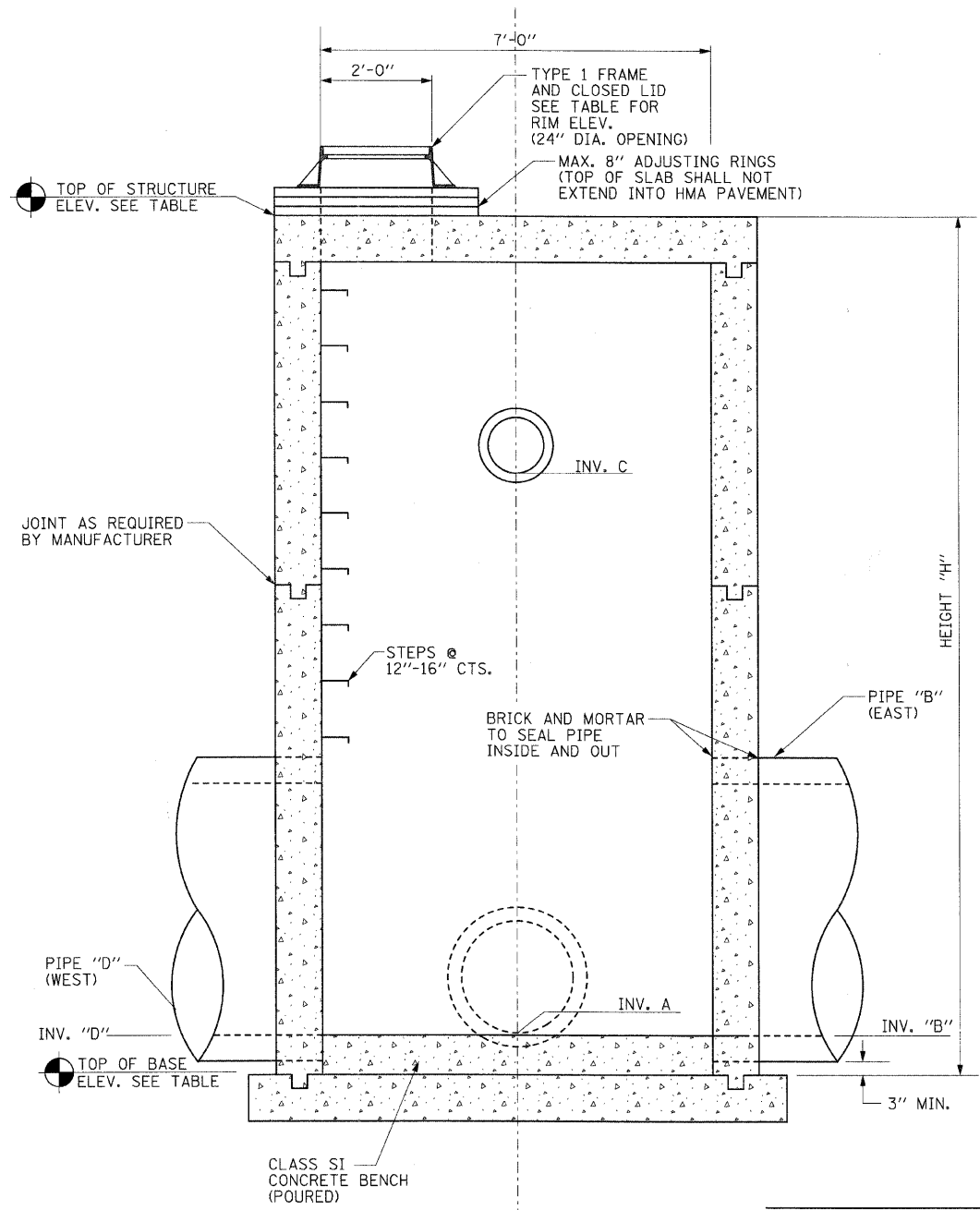
ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: VERT. NONE
HORIZ. NONE
DATE: 1/7/09

DRAWN BY
CHECKED BY TC/SBP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	110
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BILL OF MATERIAL

Item	Description	Unit	Quantity
* 60247800	JUNCTION CHAMBER	EA.	5

* Indicates pay item governed by a special provision

- STRUCTURE NOTES**
- CONTRACTOR HAS OPTION TO CONSTRUCT A CAST-IN-PLACE OR PRECAST CONCRETE STRUCTURE.
 - STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION, 2002. DESIGN SHALL BE PROVIDED FOR EITHER A PRECAST OR CAST-IN-PLACE STRUCTURE.
 - STRUCTURE SHALL BE DESIGNED FOR AN HS20-44 TRAFFIC LOADING.
 - SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ILLINOIS AND SHALL BE SUBMITTED TO THE PHASE II ENGINEER FOR REVIEW.
 - SHOP DRAWINGS SHALL SHOW COMPLETE DETAILS INCLUDING ALL DIMENSIONS, REINFORCING, OPENING DETAILS, JOINT MATERIALS, AND INFORMATION PERTINENT TO THE DESIGN AND CONSTRUCTION OF THE STRUCTURE.
 - THE PRECAST OPTION SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 504 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007. CLASS SI CONCRETE SHALL BE USED. MINIMUM WALL AND SLAB THICKNESS SHALL BE 10 INCHES. REINFORCING STEEL SHALL BE PROVIDED ON BOTH FACES OF WALLS AND SLABS.
 - THE CAST-IN-PLACE OPTION SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SECTION 504 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007. CLASS SI CONCRETE SHALL BE USED. MINIMUM WALL AND SLAB THICKNESS SHALL BE 10 INCHES. REINFORCING STEEL SHALL BE PROVIDED ON BOTH FACES OF WALLS AND SLABS.
 - BASE MATERIAL FOR PRECAST OPTION SHALL BE COMPACTED CA-18. BASE MATERIAL FOR CAST-IN-PLACE OPTION SHALL BE CA-6 COMPACTED TO 98% STANDARD PROCTOR DENSITY.
 - JOINTS BETWEEN PRECAST CONCRETE SECTIONS SHALL BE SEALED WITH A MASTIC JOINT SEALER CONFORMING TO SECTION 1055 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007. HANDLING HOLES SHALL BE FILLED WITH A PRECAST PLUG, SEALED AND COVERED WITH MASTIC.
 - JOINTS IN CAST-IN-PLACE CONSTRUCTION SHALL BE SEALED WITH A PVC WATER SEAL CONFORMING TO SECTION 1054.02 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.

GENERAL NOTES

- GROUTING OF REINFORCING BARS INTO HARDENED CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 584 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.
- THE STRUCTURE SHALL INCLUDE THE TYPE 1 FRAME AND LID. A CLOSED LID SHALL BE PROVIDED (IDOT STD. 604001) THE FRAME AND LID SHALL CONFORM TO SECTION 604 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.
- THE MANHOLE STEPS SHALL BE PLASTIC REINFORCED WITH A STEEL ROD.

JUNCTION CHAMBER TABLE

JUNCT'N No.	STATION	OFFSET	PIPE A (NORTH)	PIPE B (EAST)	PIPE C (SOUTH)	PIPE D (WEST)	RIM ELEV.	INV. A (NORTH)	INV. B (EAST)	INV. C (SOUTH)	INV. D (WEST)	TOP STRUCT.	TOP BASE	H HEIGHT
140	52+75	6.0' LT	12"	54"	24"	36"	745.37	741.27	727.19	727.19	728.69	744.04	726.48	17.56'
147	54+17	6.0' LT	24"	54"	12"	54"	742.59	726.81	726.77	736.82	726.77	741.26	726.06	15.20'
160	57+60	6.0' LT	18"	54"	30"	54"	735.07	731.00	726.09	726.12	726.09	733.74	725.38	8.36'
179	59+90	6.0' LT	18"	54"	12"	54"	732.70	726.60	724.16	727.04	724.16	731.37	723.45	7.92'
227	72+05	5.0' LT	54"	NONE	12"	54"	719.63	711.15	NONE	713.89	711.15	718.63	710.44	7.86'

*STATION/OFFSET IS TO CENTER OF STRUCTURE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
JUNCTION CHAMBER

SCALE: VERT. NONE
HORIZ. NONE

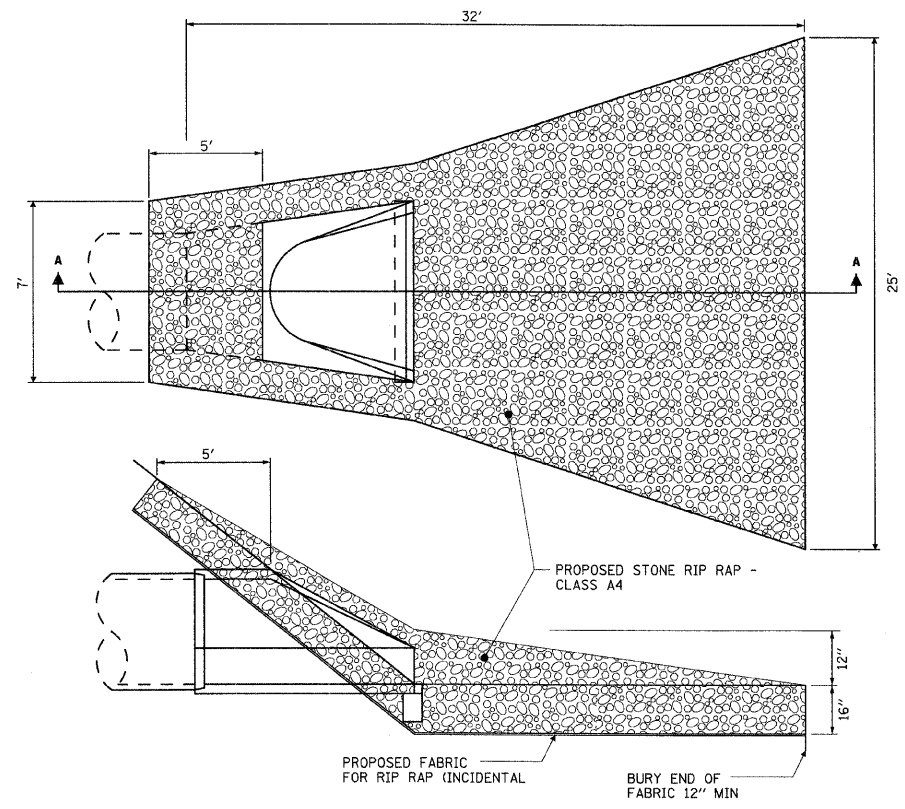
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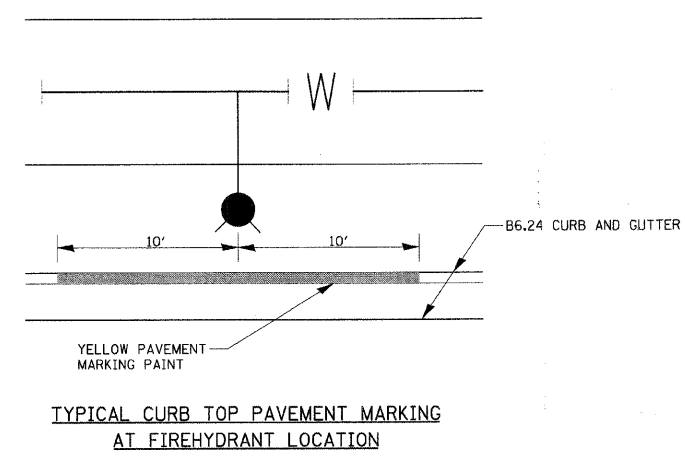
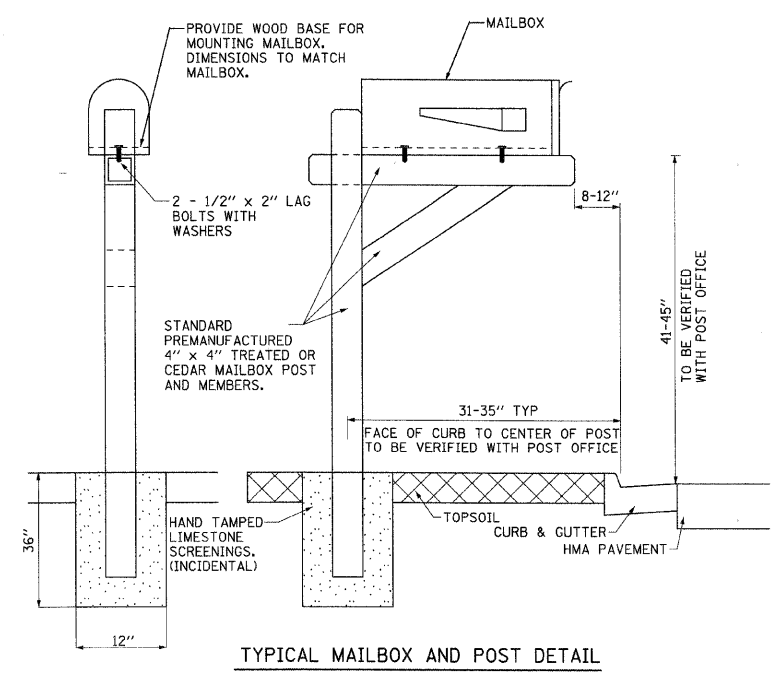
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	111
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



- NOTES:**
1. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS IN NCRS MATERIAL SPECIFICATIONS 592 GEOTEXTILE TABLE 1 OR 2, CLASS 1.
 2. THE ROCK RIPRAP SHALL MEET THE IDOT REQUIREMENTS FOR THE FOLLOWING GRAD. NO. 4, QUALITY DESIGNATION A.
 3. THE RIPRAP SHALL BE PLACED ACCORDING TO NCRS CONSTRUCTION SPECIFICATION 61 ROCK RIPRAP. THE ROCK MAY BE EQUIPMENT PLACED.

RIP RAP DETAIL AT 54" END SECTION



STREET SIGN REQUIREMENTS

All streets shall use a 9" flat aluminum blank with 6" letters, upper and lower case. The prefix (N, S, E, W) and suffix (St, Ave, etc.) are 3". Sign length is determined by length of street name. The blank is covered with 3M #3990 vip diamond grade white. The letters are cut and removed from 3M #1177 green film. This is then placed over the white to create white letters on a green background.

All signs should be mounted on the northeast corners unless obstructed. Signs may be mounted on light posts with a wing type bracket, one for each sign. Light posts must be at the northeast corner of the intersection.

FLAT ALUMINIUM BLANK THICKNESS .090

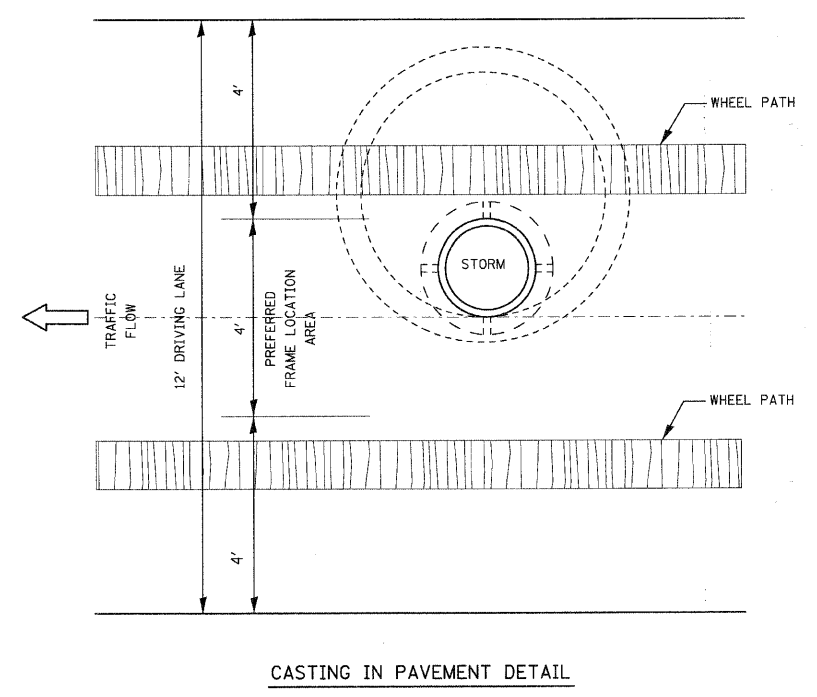
3M VIP WHITE DIAMOND GRADE FILM # 3990 Typical

6" LETTERS 438 BORDER 3" LETTERS

3M GREEN FILM # 1177 (Typical) 2" SPACING (Typical) NOT LESS THAN 1" (Typical)

Revisions		STREET SIGN REQUIREMENTS	
Date:	By:	Scale:	Checked:
12/03	D. Feltman	None	
		Date:	Drawn:
			D Goewey

EXHIBIT II-H-1



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

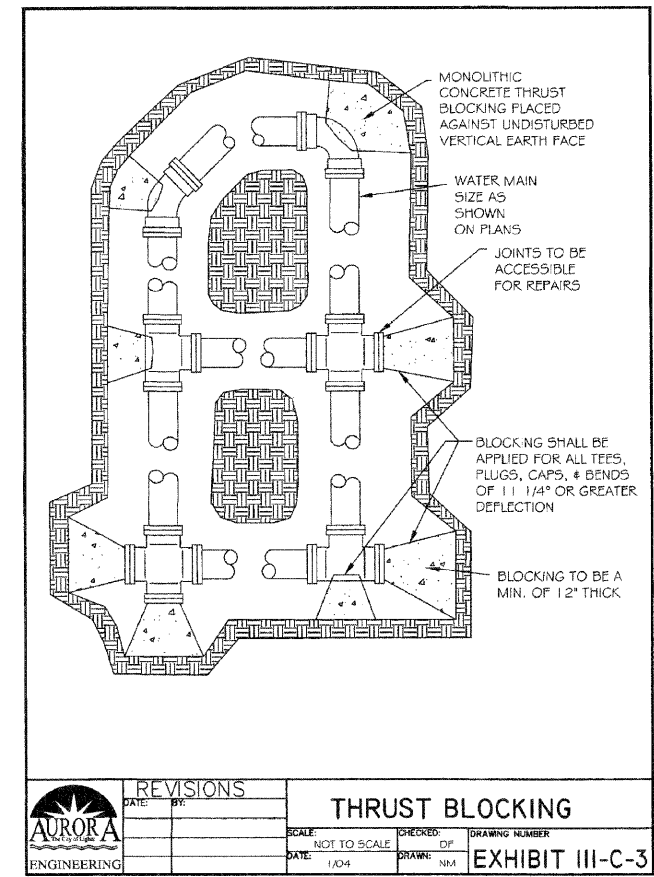
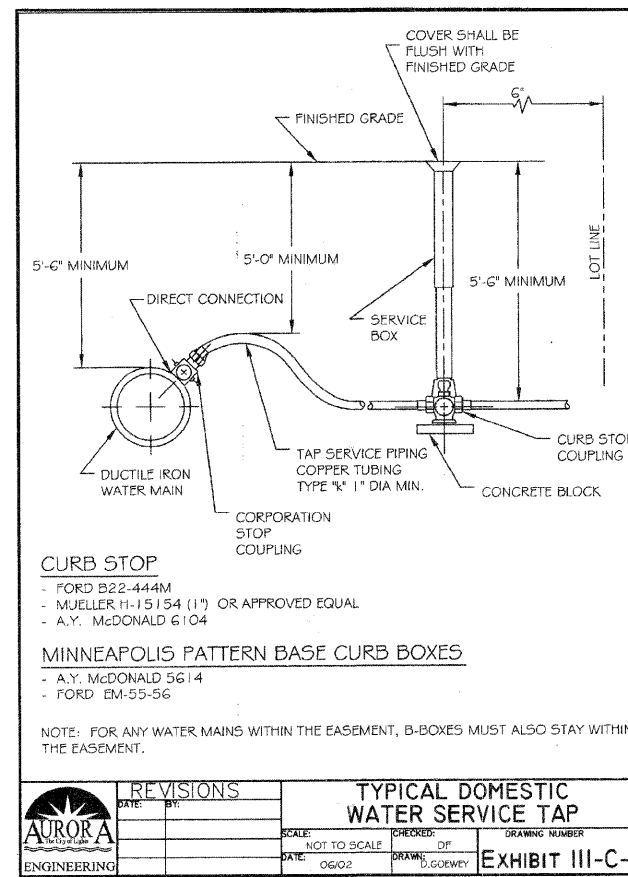
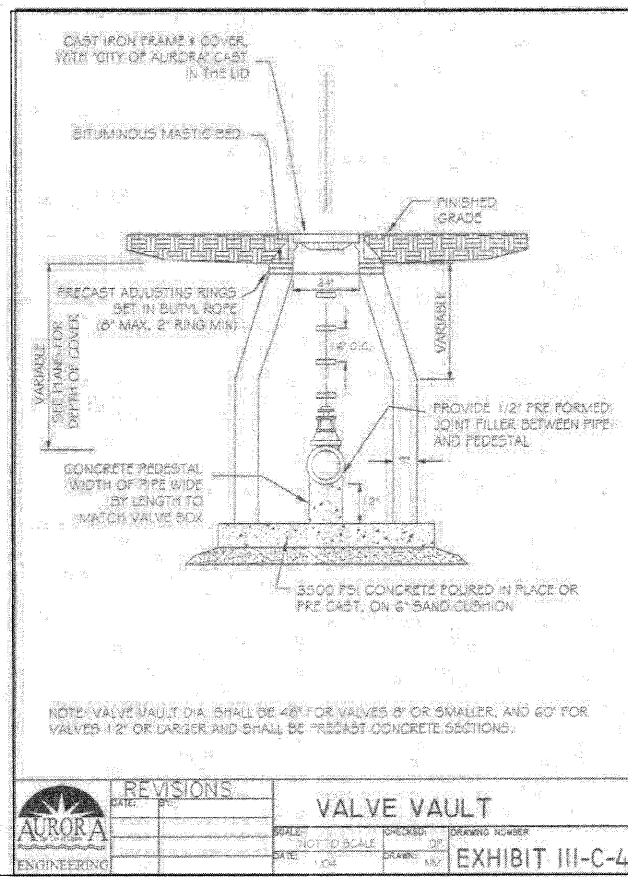
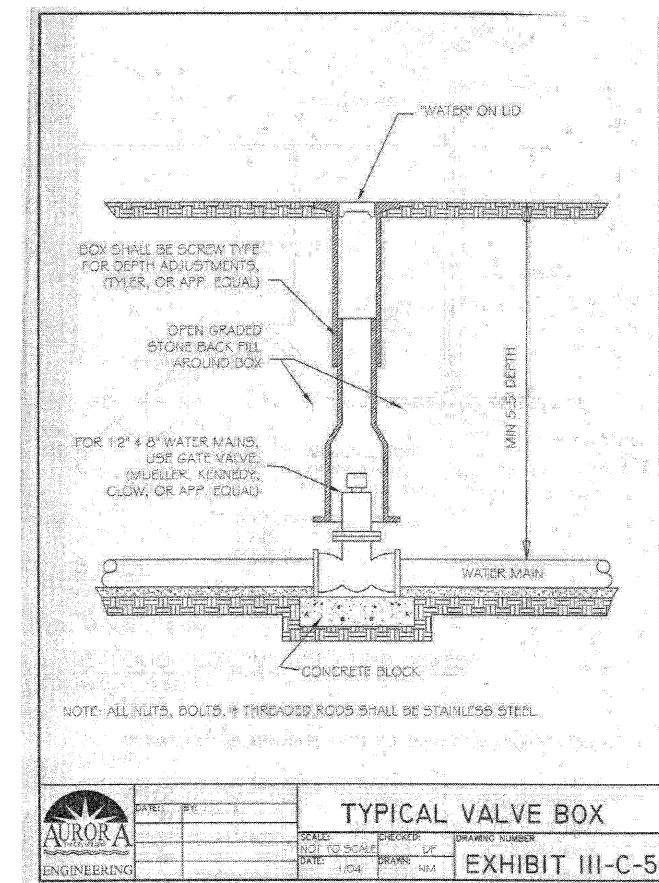
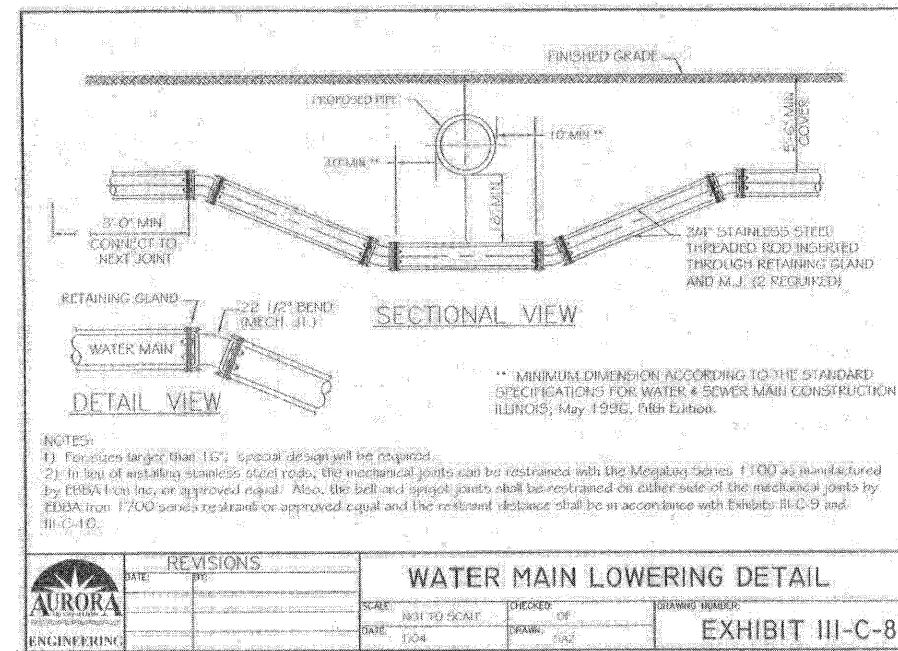
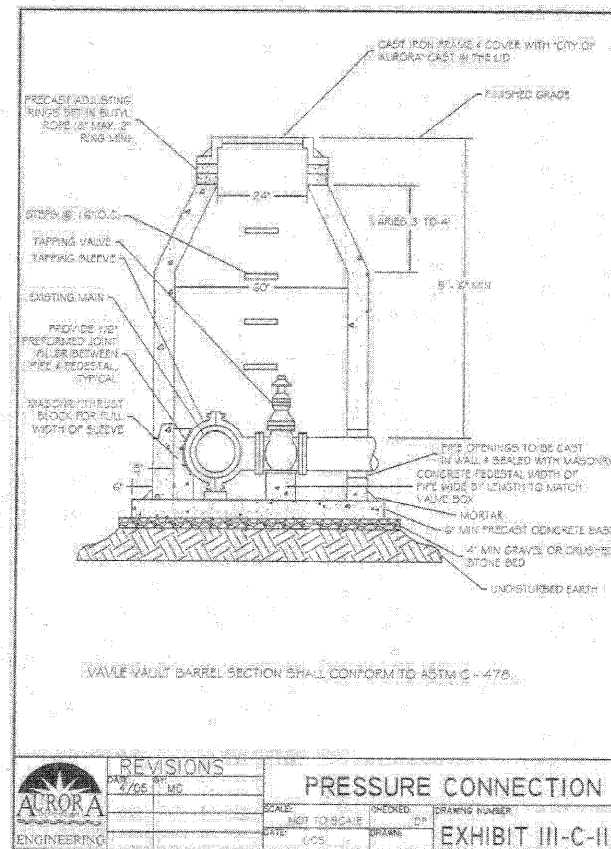
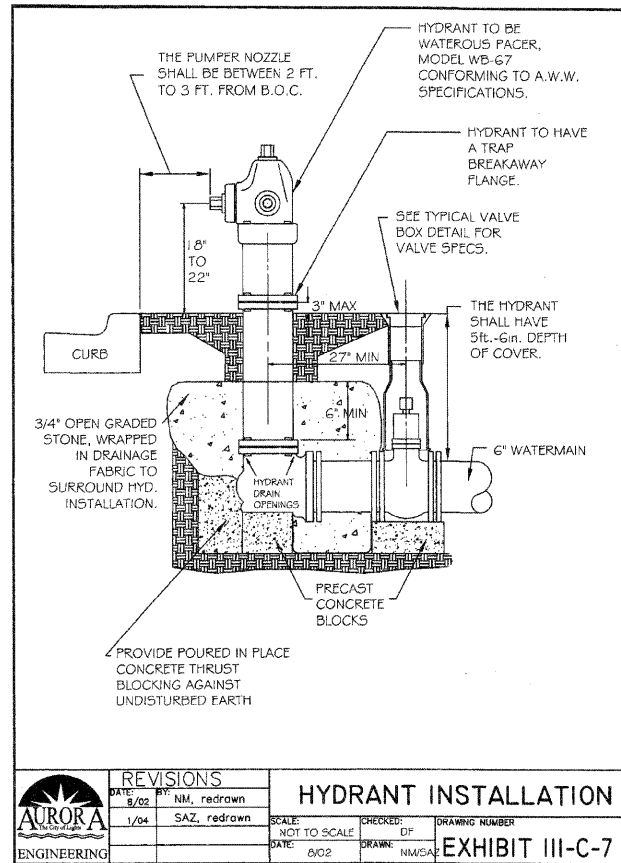
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DATE: 1/7/09

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	112
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
CONSTRUCTION DETAILS			
SCALE:	VERT. HORIZ. NONE	DRAWN BY	
DATE:	1/1/09	CHECKED BY TC/SBP	



PLOT DATE = 1/15/2009
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F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503 08-00260-01-PV		KANE	176	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

Minimum Restraint Length (ft) on both sides of the Fitting

Fitting Type/Nominal Size	6"	8"	12"	16"
1 1/4" Bend	2	3	4	6
2 1/2" Bend	5	6	9	11
45° Bend	10	13	18	23
90° Bend	23	30	43	56
Dead End	31	40	57	74
Top Side of a Vertical Offset ¹	19	25	35	46
Tee Run x Branch ² 6" BY	24			
Tee Run x Branch ² 8" BY	22	34		
Tee Run x Branch ² 12" BY	18	31	51	
Tee Run x Branch ² 16" BY	14	28	48	67
Reducer ³ 8" BY	17			
Reducer ³ 12" BY	42	30		
Reducer ³ 16" BY	62	54	31	

All joints within the lowered section of the watermain shall be restrained or shall be solid pipe. The above distances reflect the required restraint distance on the normally elevated watermain either side of the 45° fitting of the vertical offset (or lowering).

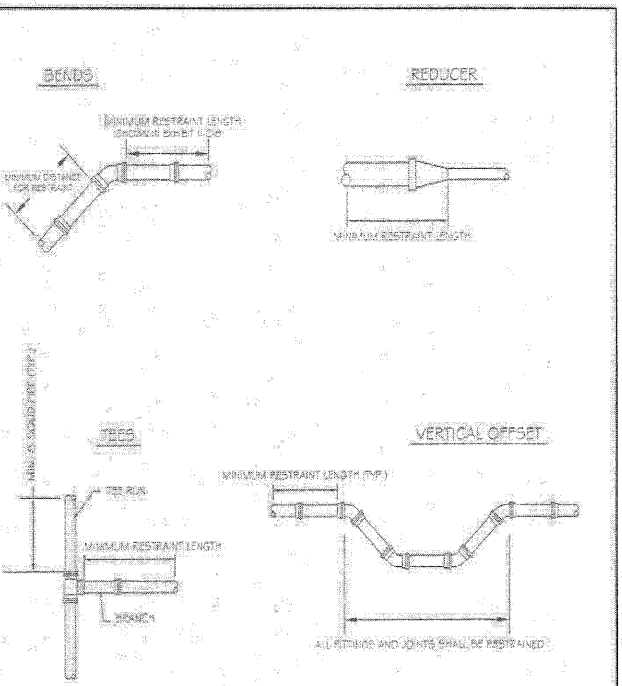
¹ Minimum of 8 ft of solid pipe is required on both sides of the fitting on the run side. Distance indicates the length of restraint on the branch side or the side perpendicular to the tee run watermain.

² Indicates the distance from the larger end of the reducer.

Notes: 1) All nuts and bolts shall be stainless steel.
 2) The entire restraint system from the fitting to the minimum restraint distance must be inspected by The City of Aurora or its representative prior to backfilling.

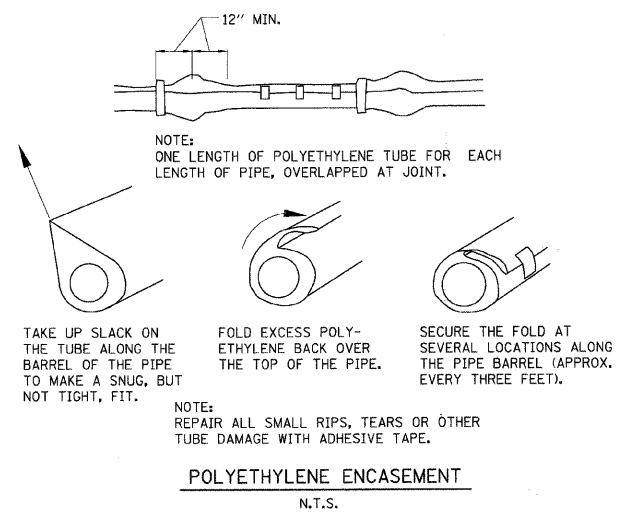
Revisions		Watermain Restraint Length Table	
Date:	By:	Scale:	Checked:
		None	PJH
		Date:	Drawn:
		2/04	DF

EXHIBIT III-C-9



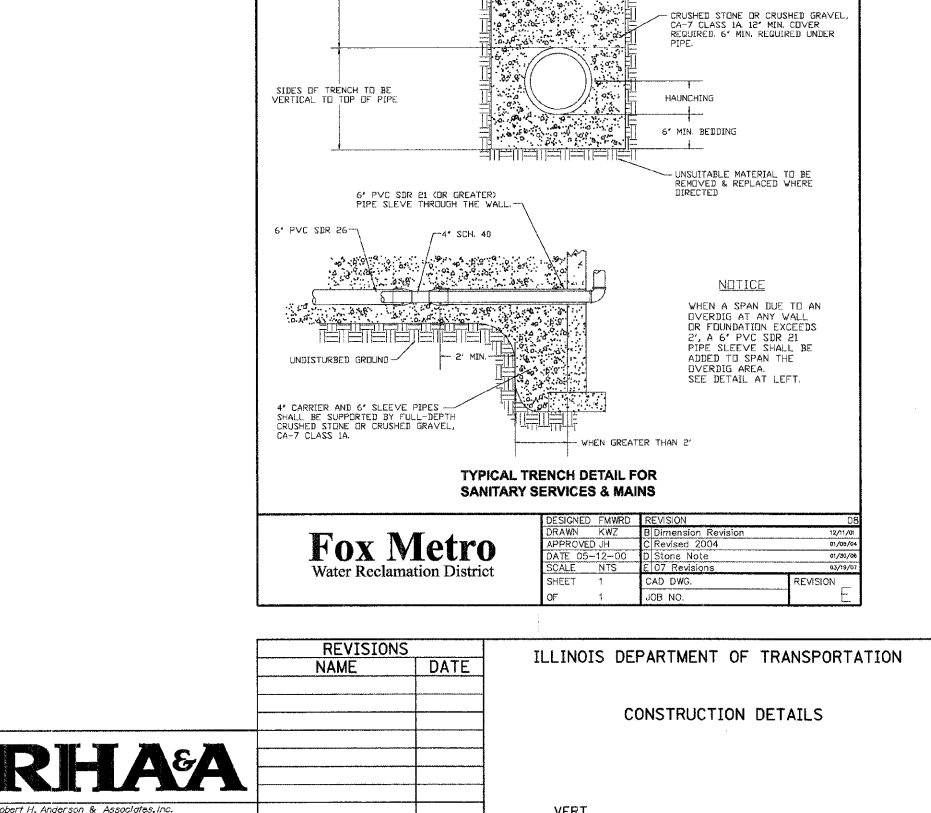
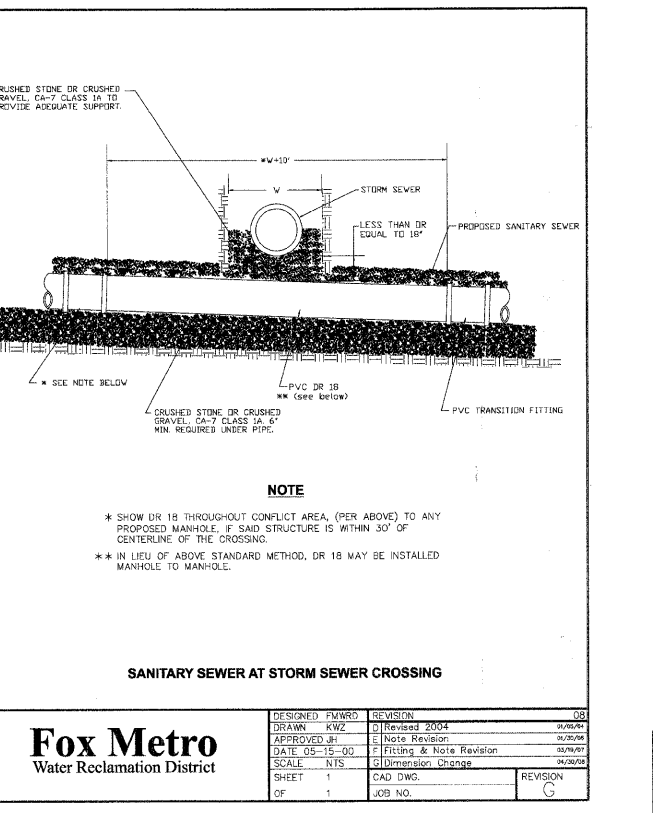
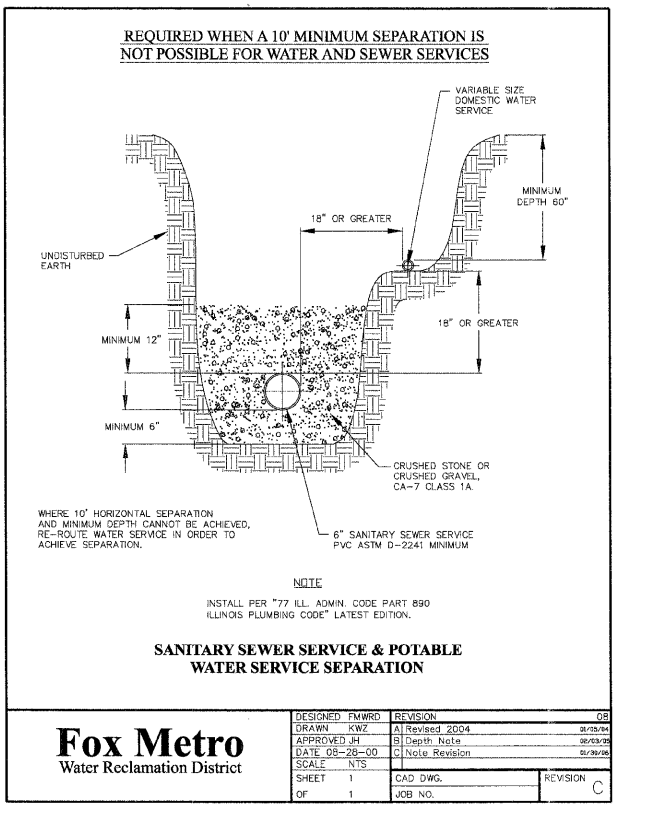
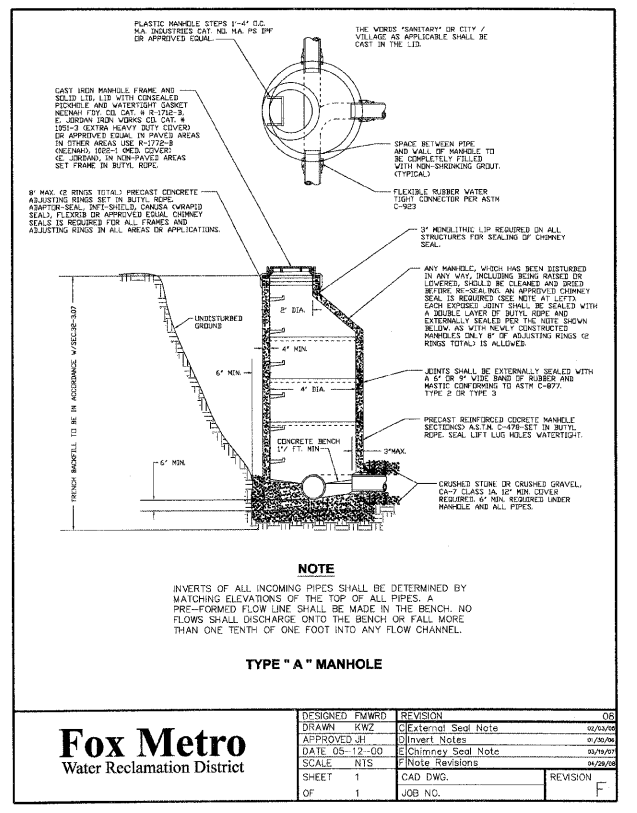
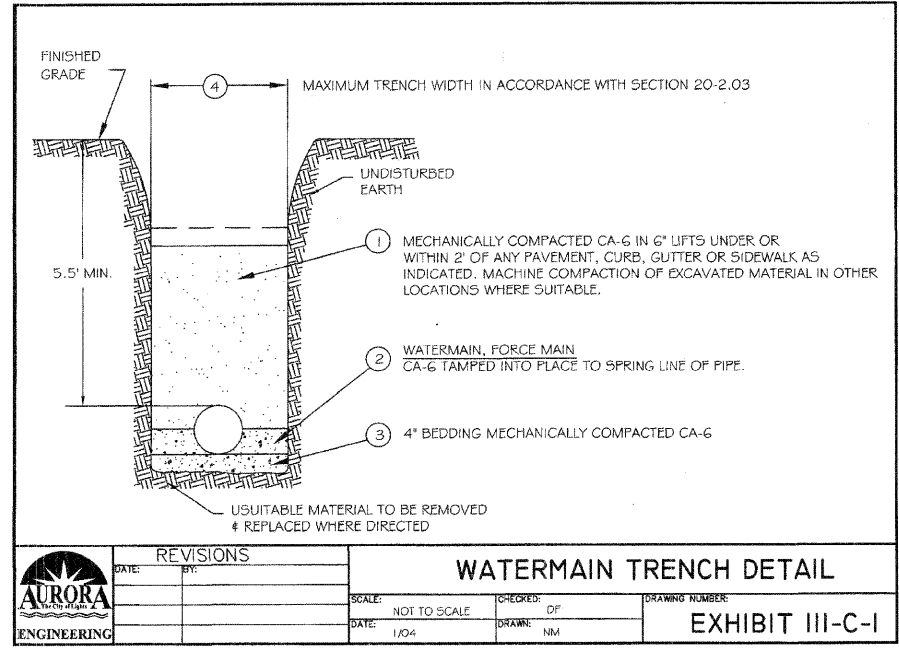
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		Date:	Drawn:
		2/04	DF

EXHIBIT III-C-10



Revisions		Watermain Trench Detail	
Date:	By:	Scale:	Checked:
		None	PJH
		Date:	Drawn:
		1/04	NM

EXHIBIT III-C-11



Fox Metro
Water Reclamation District

Fox Metro
Water Reclamation District

Fox Metro
Water Reclamation District

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Robert H. Anderson & Associates, Inc.
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License No. 064-070581
Phone No. 630-584-3530

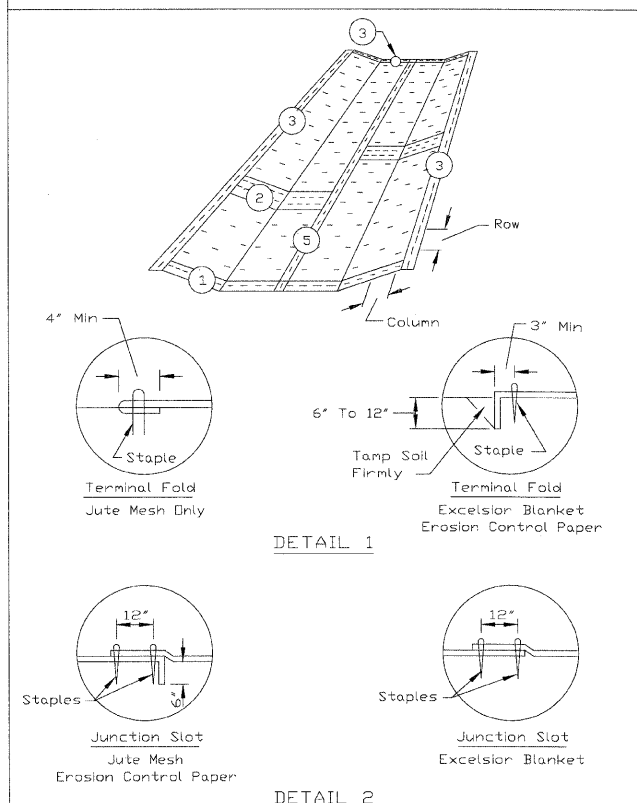
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NAME	DATE	
		CONSTRUCTION DETAILS

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DATE: 1/7/09
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CHECKED BY:

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	114
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EROSION BLANKET PLAN

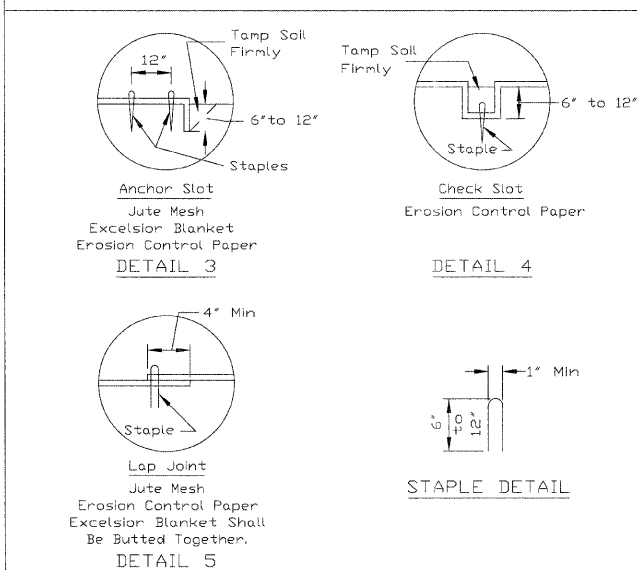


DETAIL 1

DETAIL 2

REFERENCE Project	Date	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-530
Designed	Date		SEET 1 OF 2
Checked	Date		DATE 5-24-94
Approved	Date		

EROSION BLANKET PLAN



DETAIL 3

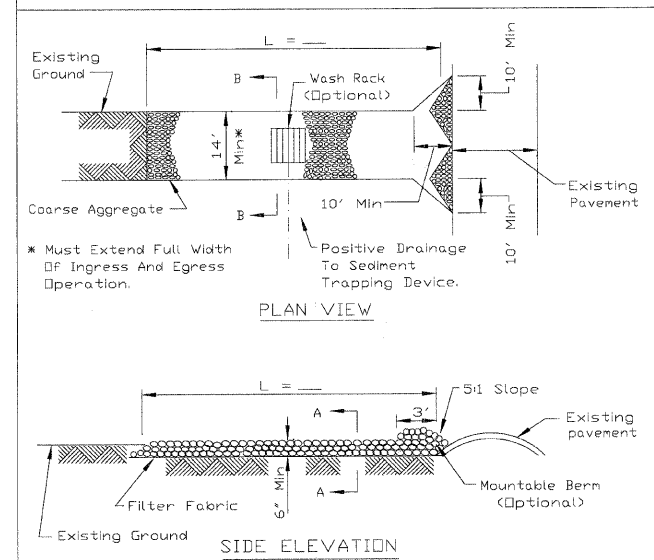
DETAIL 4

STAPLE DETAIL

- NOTES:
- On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
 - Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4' x 225' roll of material and 125 staples are required per 4' x 150' roll of material.
 - Erosion control material shall be placed loosely over ground surface. Do not stretch.
 - All terminal ends and transverse laps shall be stapled at approximately 12' intervals.

REFERENCE Project	Date	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-530
Designed	Date		SHEET 2 OF 2
Checked	Date		DATE 3-1-95
Approved	Date		

STABILIZED CONSTRUCTION ENTRANCE PLAN



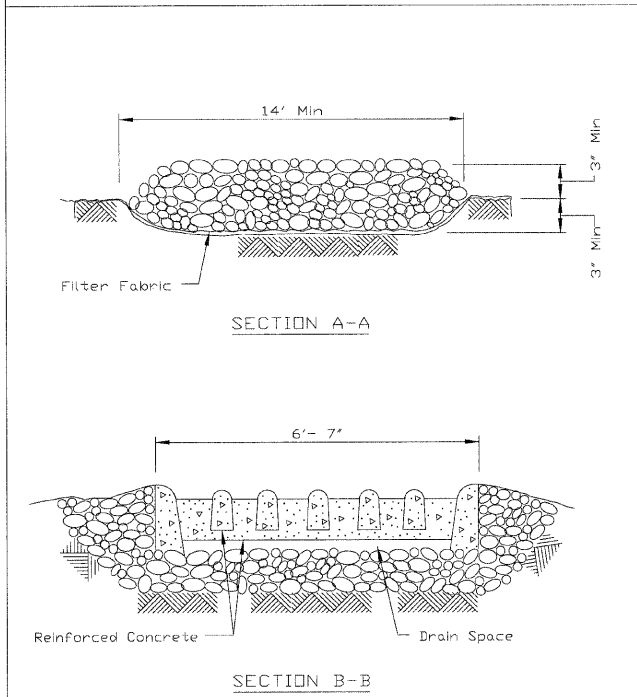
PLAN VIEW

SIDE ELEVATION

- NOTES:
- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 - Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
 - If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project	Date	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-630
Designed	Date		SHEET 1 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A

SECTION B-B

REFERENCE Project	Date	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-630
Designed	Date		SHEET 2 OF 2
Checked	Date		DATE 8-18-94
Approved	Date		

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REVISIONS	
NAME	DATE

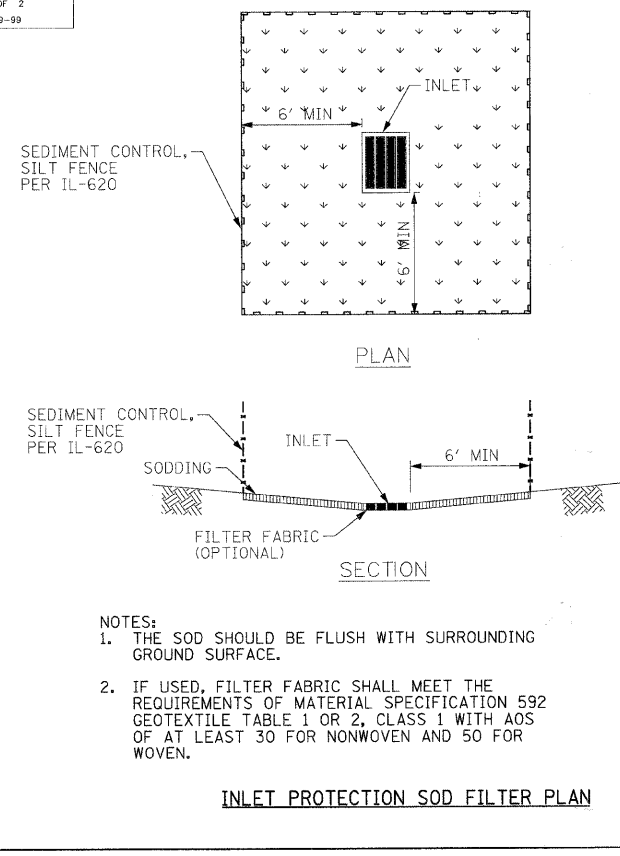
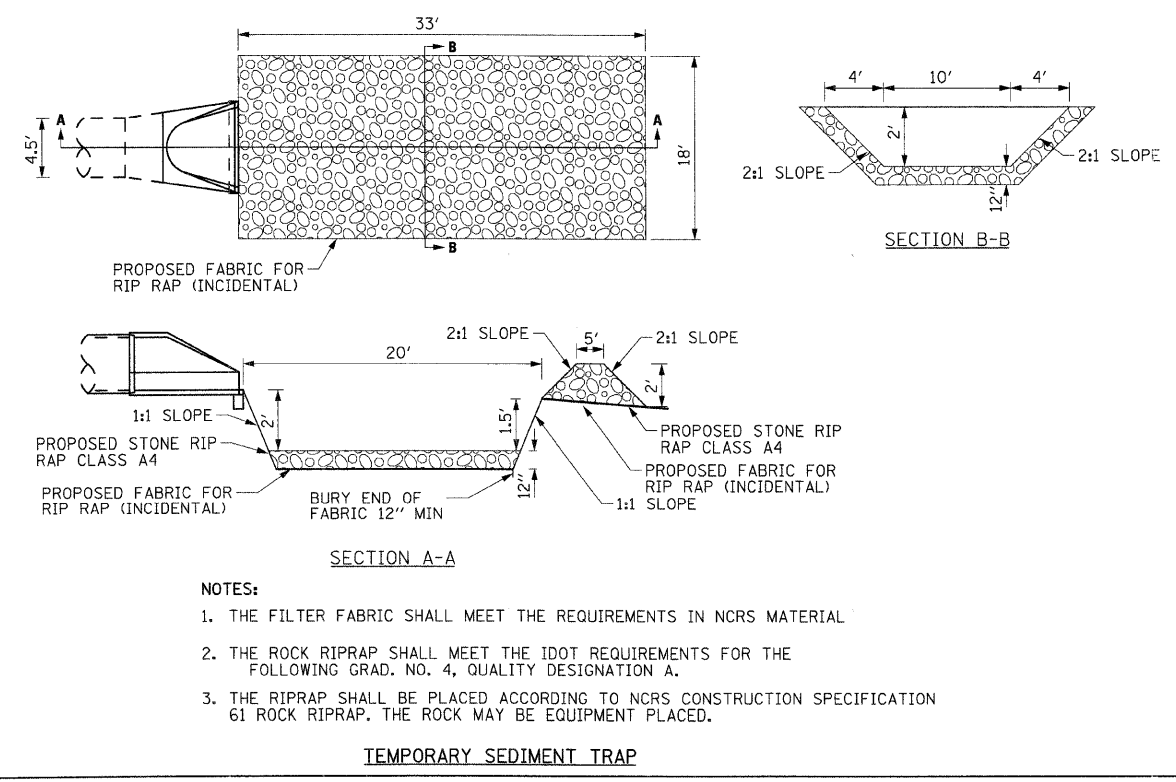
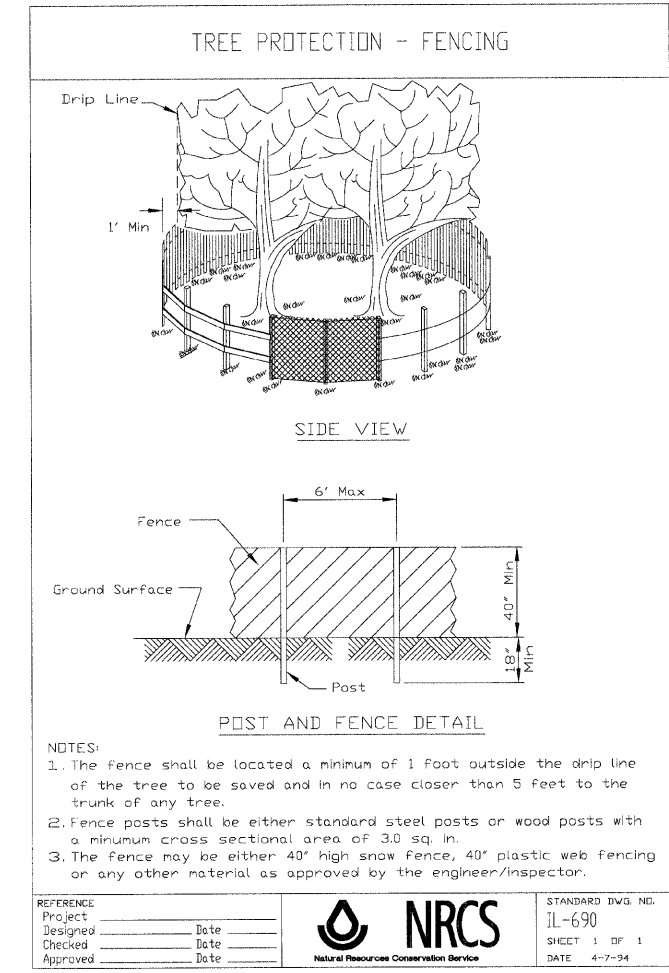
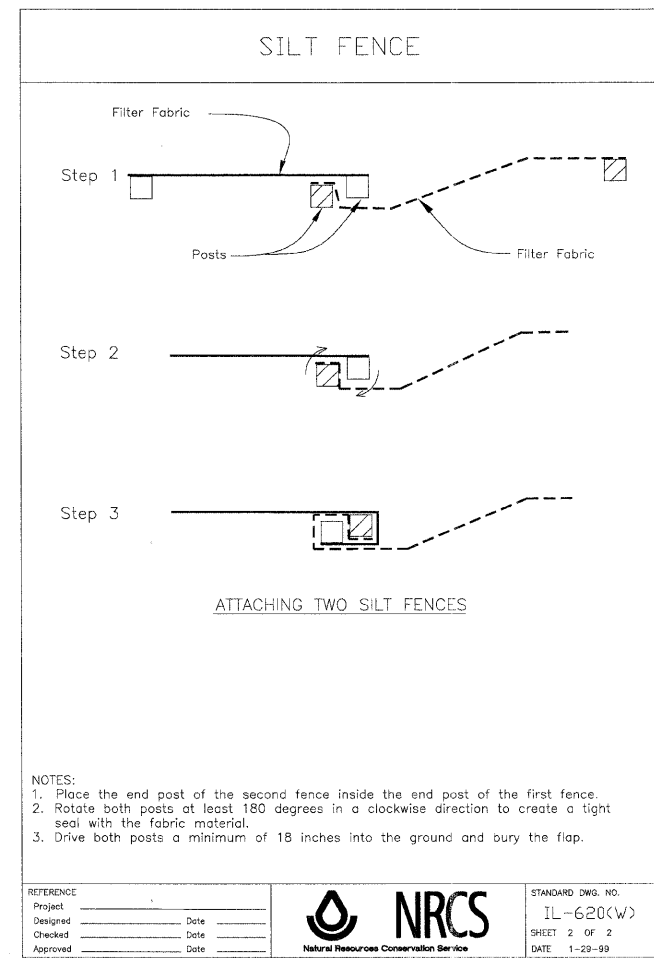
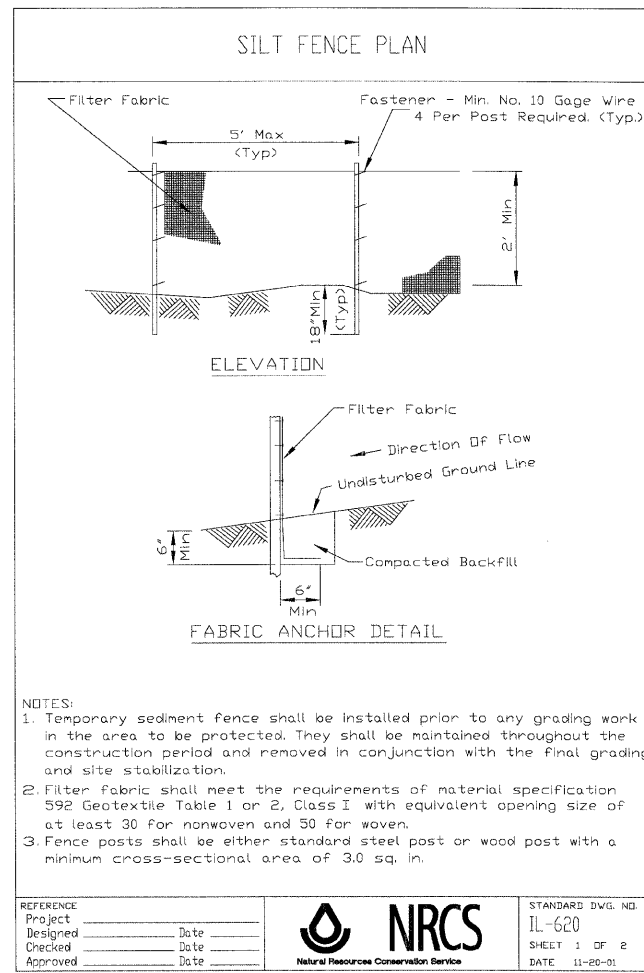
ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: VERT. NONE
HORIZ. 1/7/09

DRAWN BY
CHECKED BY TC

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

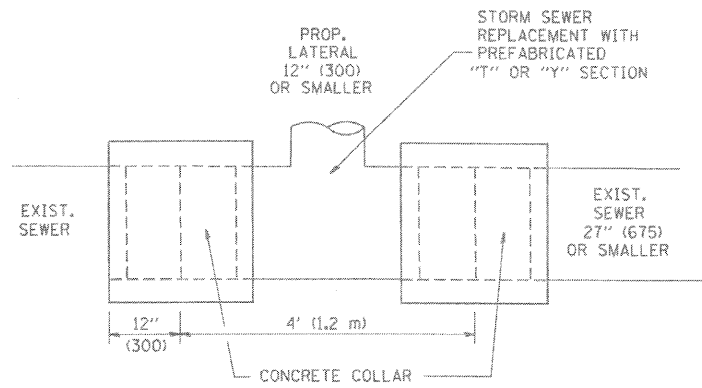


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION DETAILS	
SCALE: VERT. NONE	DRAWN BY TC
DATE 1/7/09	CHECKED BY TC

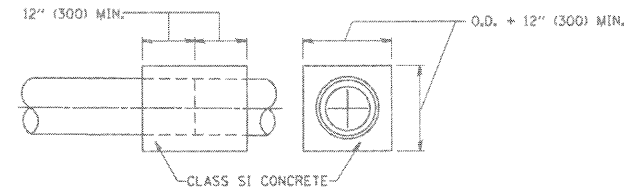
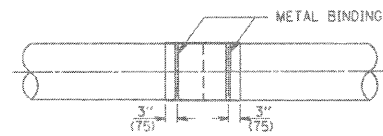
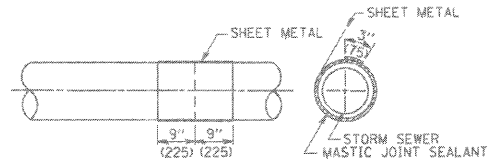
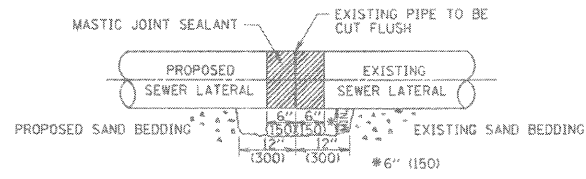
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	116
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

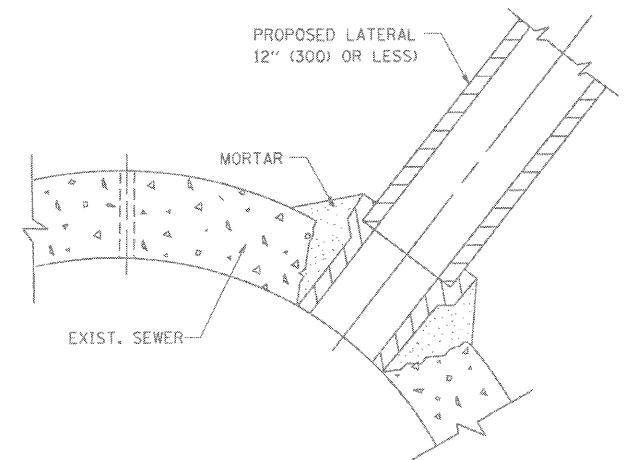


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 J.I. (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
 - CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".
- IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM SEWER CONNECTION TO EXISTING SEWER

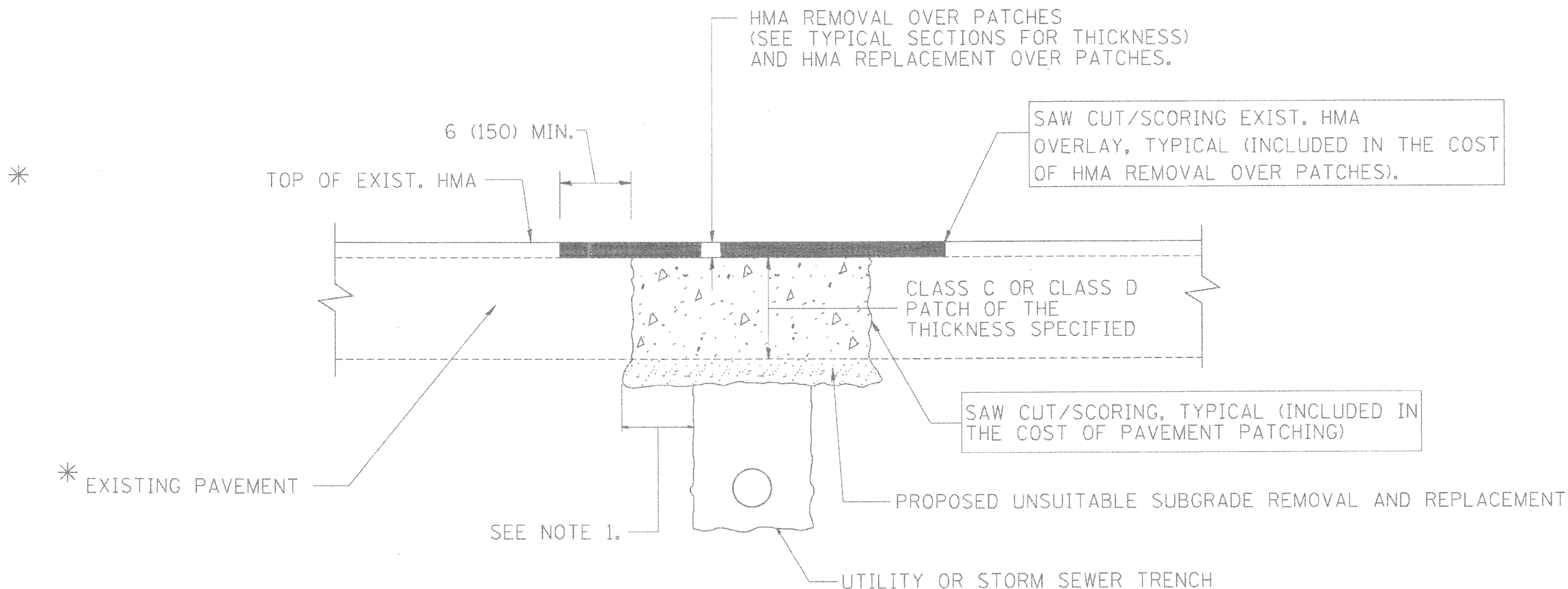
REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/98

SCALE: VERT. 1/7/09
HORIZ.

DRAWN BY
CHECKED BY

RHA&A
Robert H. Anderson & Associates, Inc.
Consulting Engineers & Land Surveyors
License No. 194-005281
Phone No. 630-584-3530

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	117
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

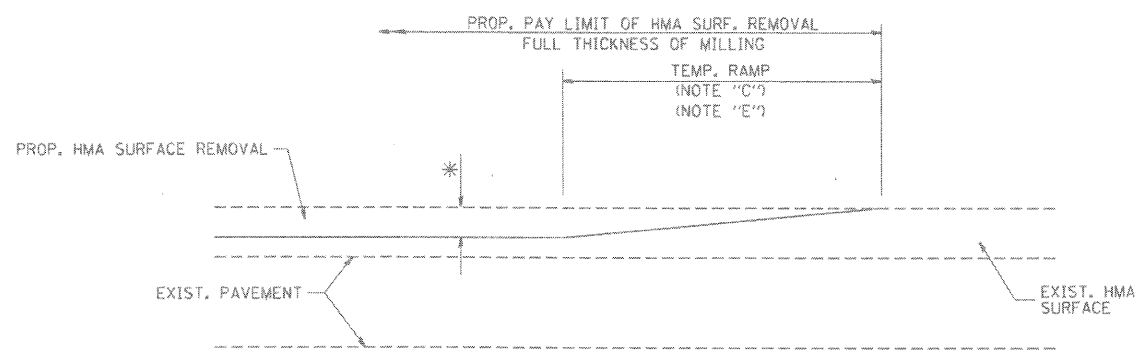
RH&A

Robert H. Anderson & Associates, Inc.
Consulting Engineers & Land Surveyors
License No. 044-00520
Phone No. 630-584-3530

SCALE: VERT. HORIZ. DATE 1/7/09

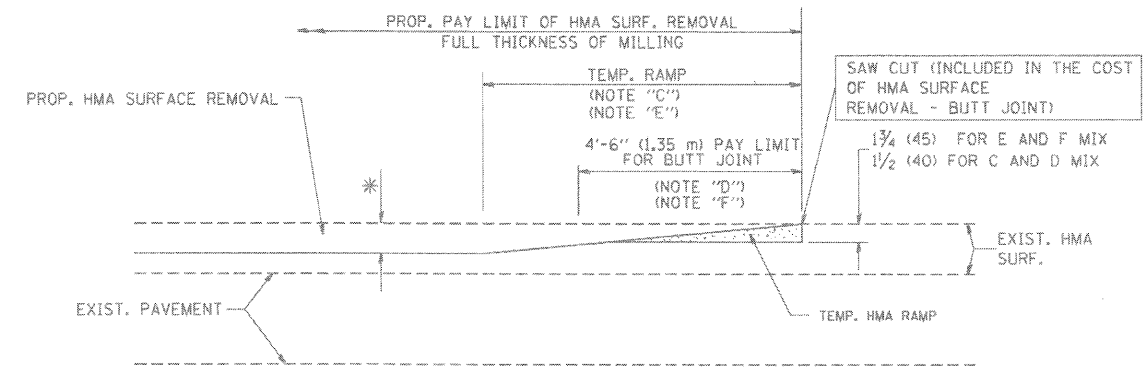
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



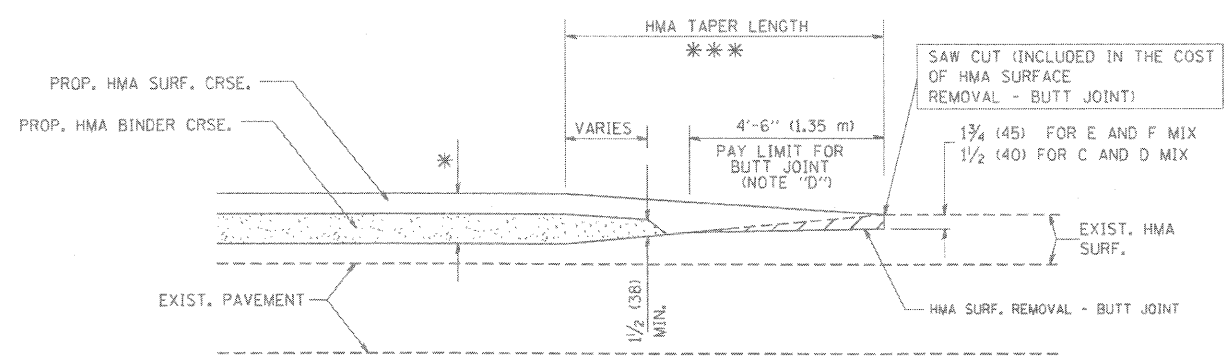
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

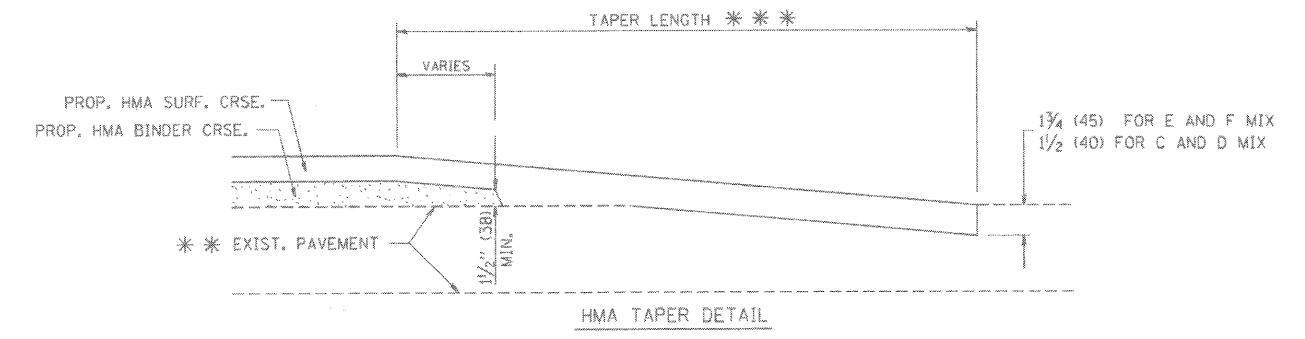
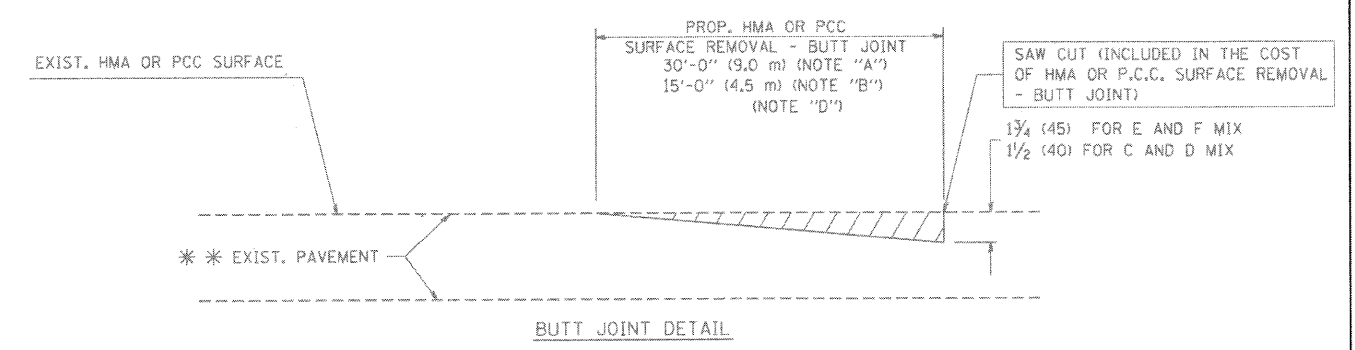


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT AND HMA TAPER
TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" AND FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".



Robert H. Anderson & Associates, Inc.
Consulting Engineers & Land Surveyors
License No. 084-00581
Phone No. 630-584-3530

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/03
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

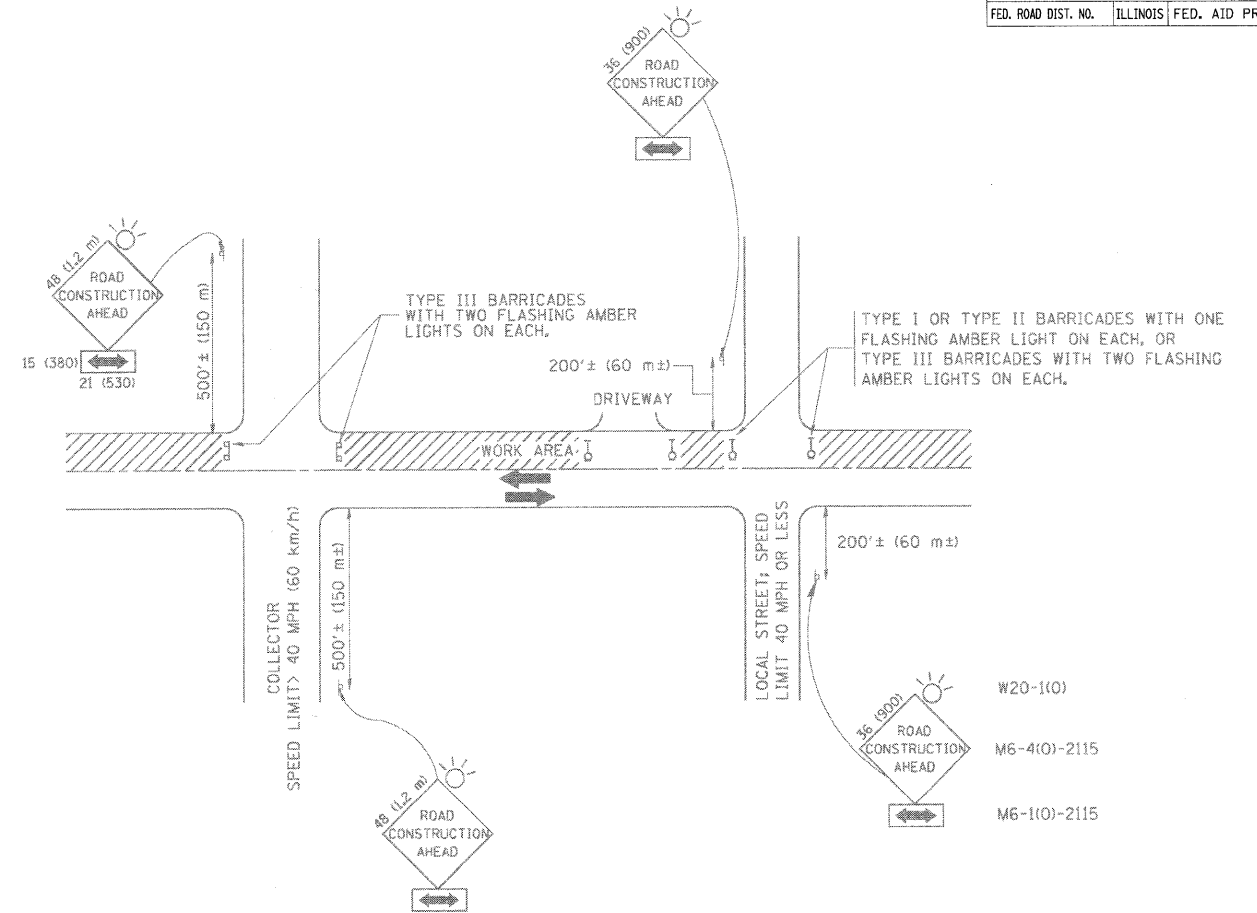
BUTT JOINTS AND HMA TAPER

SCALE: VERT. 1/7/09
HORIZ.

DRAWN BY
CHECKED BY

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USER NAME = USER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	119
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

NOTES:

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

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

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAYS

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

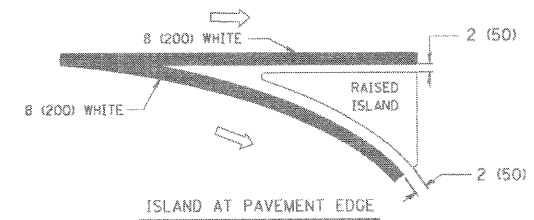
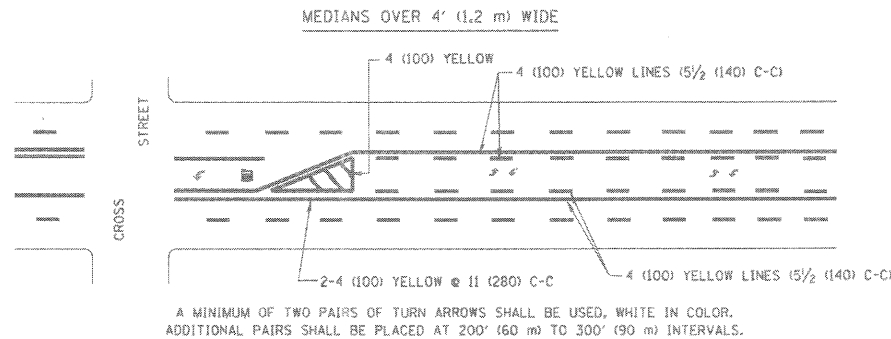
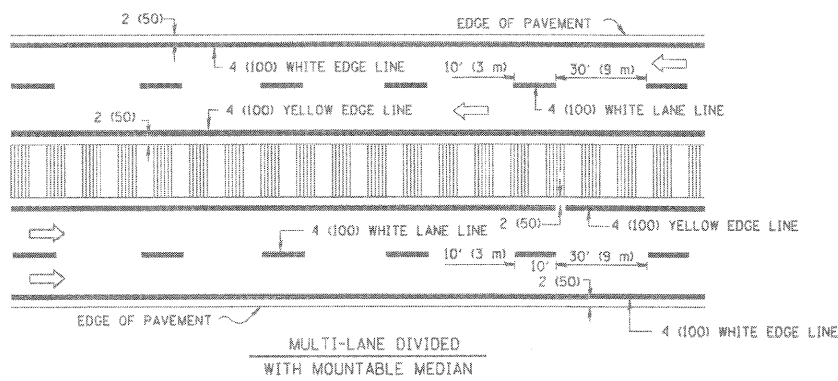
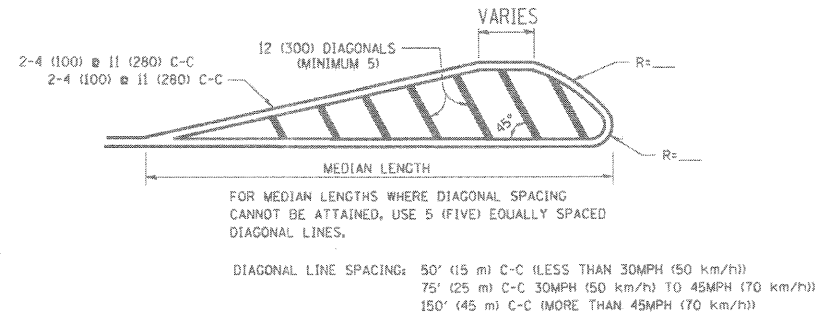
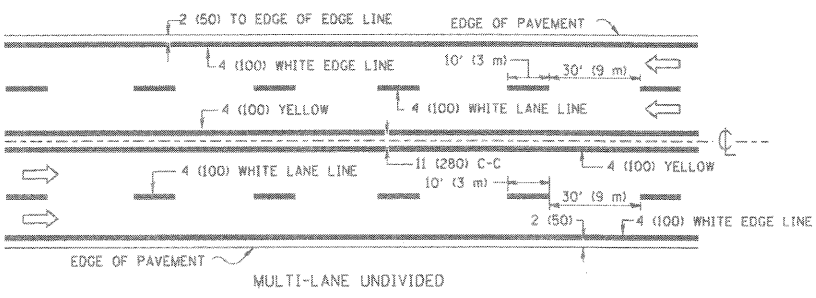
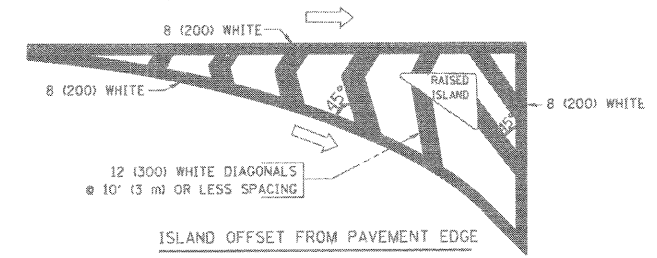
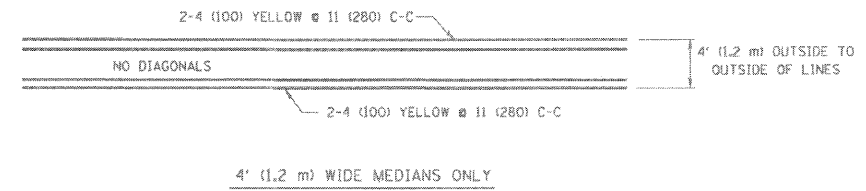
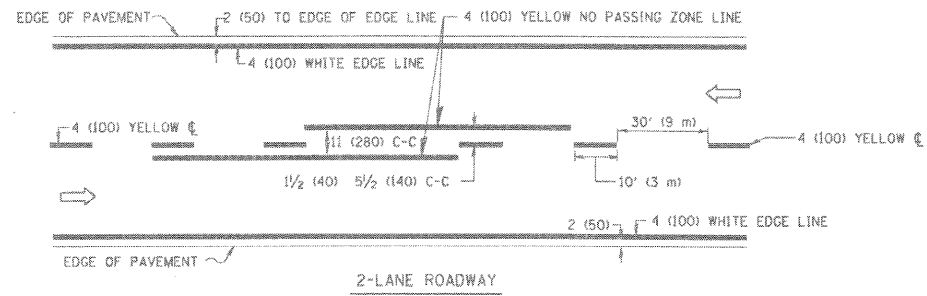
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS

RH&A
 Robert H. Anderson & Associates, Inc.
 Consulting Engineers & Land Surveyors
 License No. 184-005291
 Phone No. 630-584-5530

SCALE: VERT. HORIZ. DATE: 1/7/09 DRAWN BY: CHECKED BY:

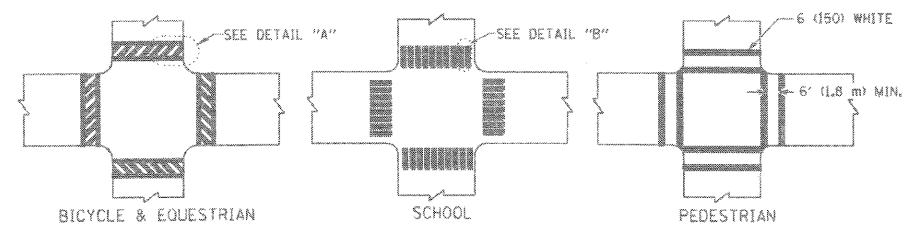
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	120
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



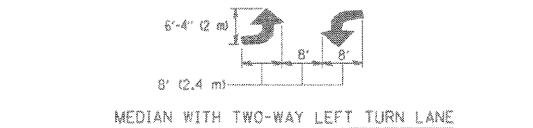
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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" 15 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))

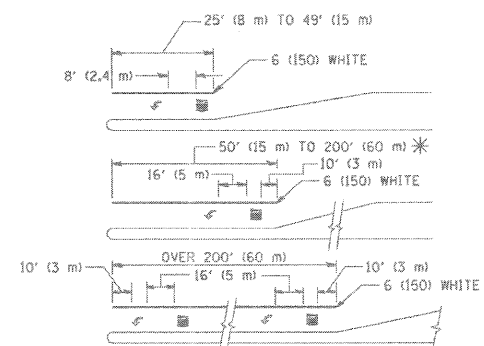
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL TURN LANE MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* 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

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.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

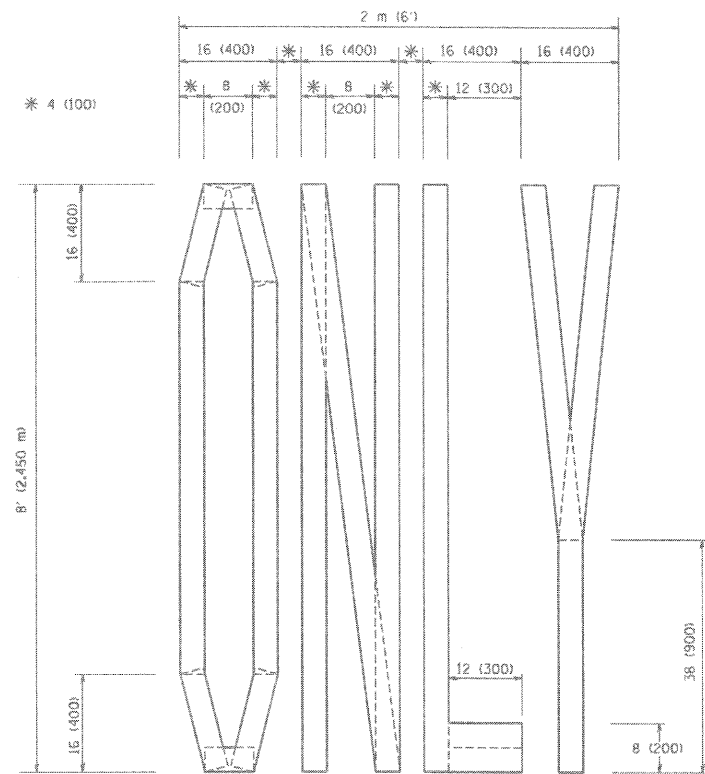


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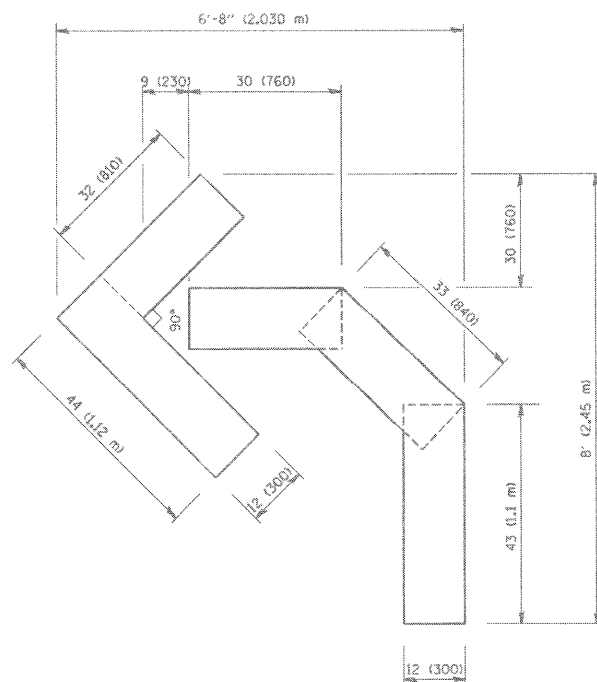
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TC-13

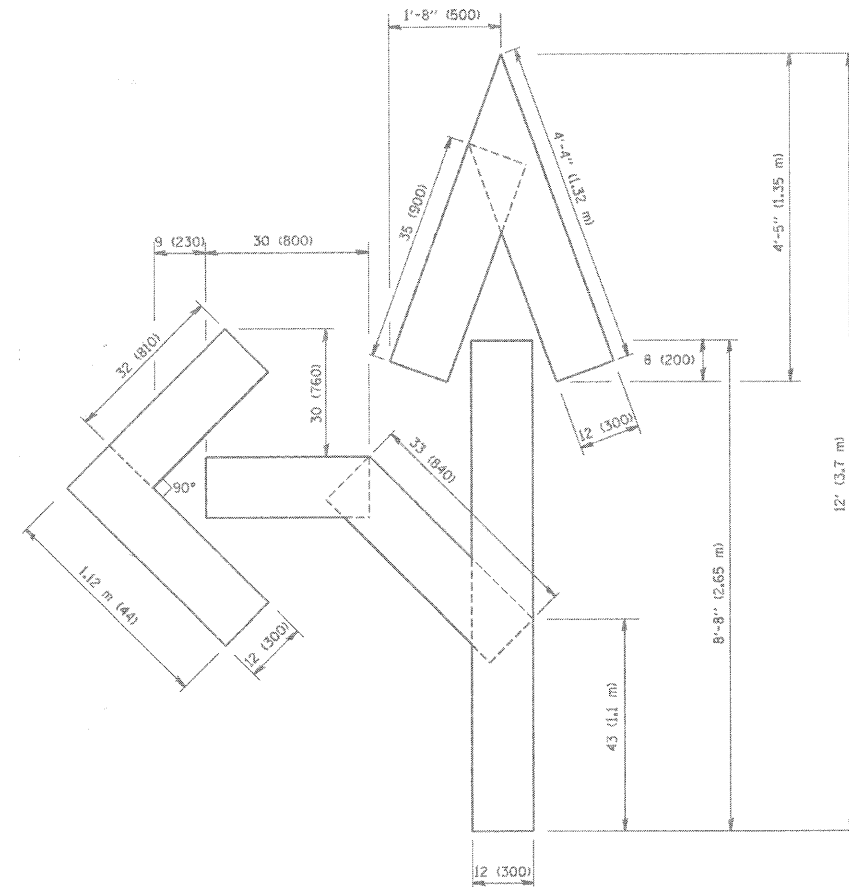
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	121
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



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



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/98
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

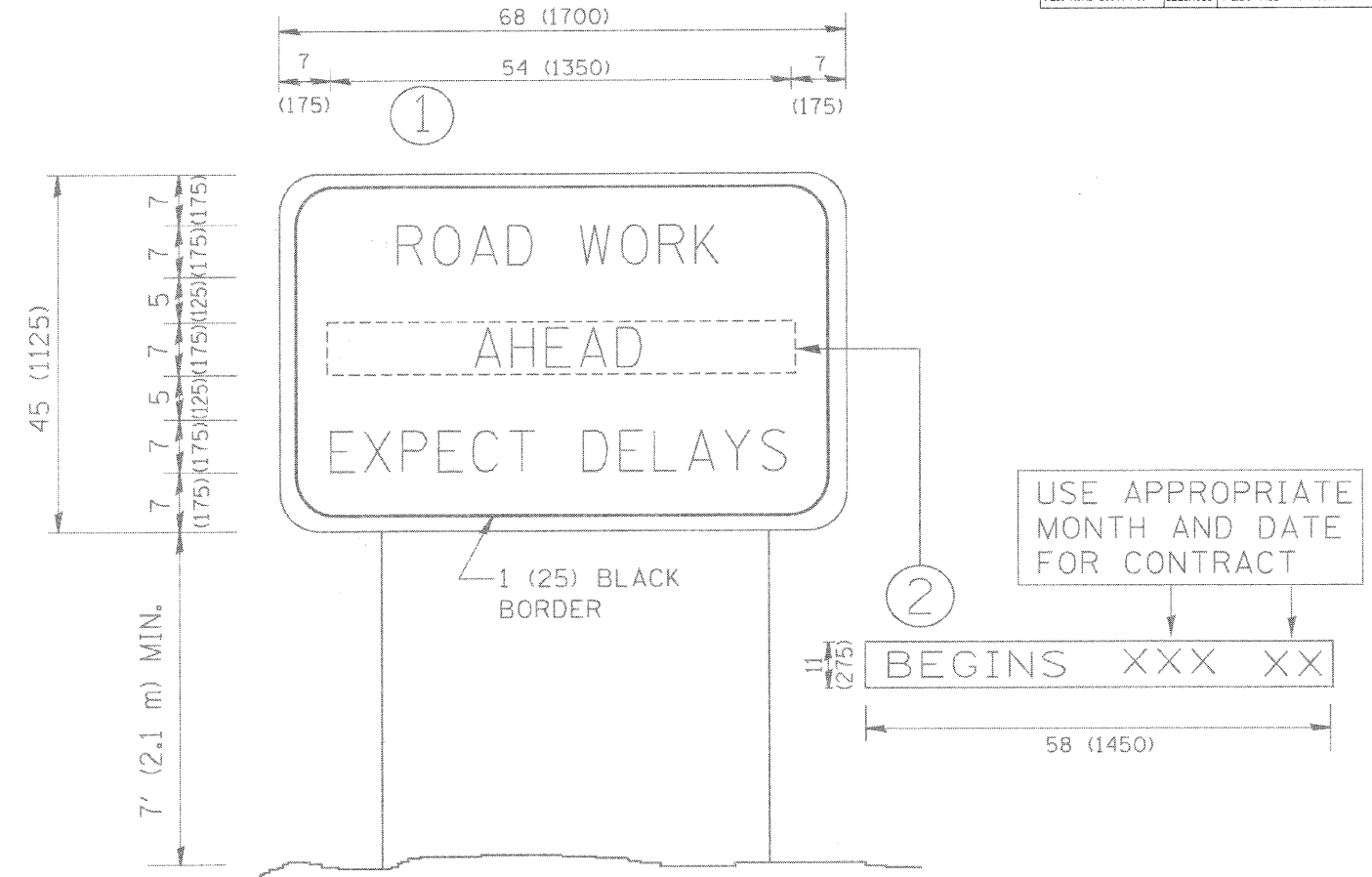
SCALE: VERT.
 HORIZ.
 DATE 1/7/09

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 CHECKED BY

RHA&A

Robert H. Anderson & Associates, Inc.
 Consulting Engineers & Land Surveyors
 License No. 04-025281
 Phone No. 630-584-3530

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	122
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

RH&A

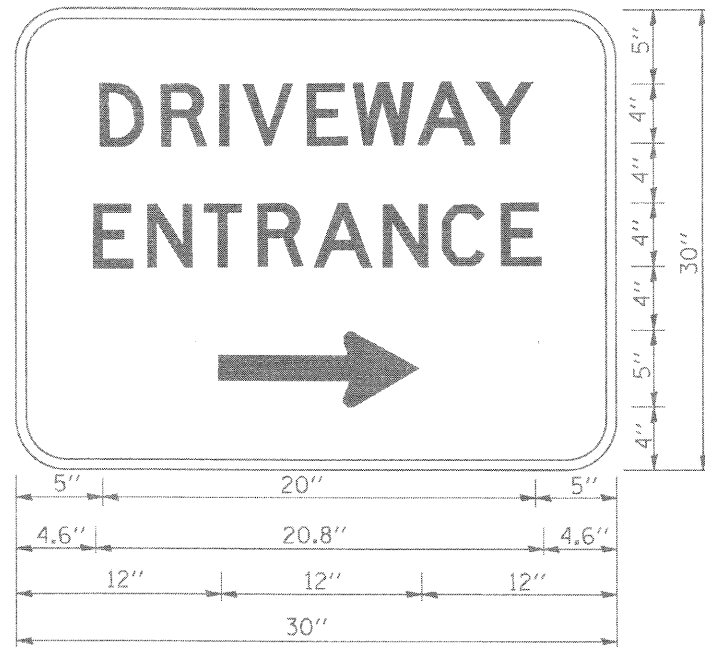
Robert H. Anderson & Associates, Inc.
Consulting Engineers & Land Surveyors
License No. 064-005281
Phone No. 630-584-3530

SCALE: VERT. HORIZ. DATE: 1/7/09

DRAWN BY CHECKED BY

TC22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	123
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

PLOT DATE = 1/5/2009
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 PLOT SCALE =
 USER NAME = JUSER



REVISIONS	
NAME	DATE
C. JUXTUS	02/15/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRIVEWAY ENTRANCE SIGNING

SCALE: VERT.
 HORIZ.
 DATE 1/7/09

DRAWN BY
 CHECKED BY

Table with columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 1503, 08-00260-01-PV, KANE, 176, 124

INDIAN TRAIL - EARTHWORK STAGE 1A. Table with columns: STA, EXCAVATION (CY), SHOULDER EMBANKMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), EARTH EXCAVATION (CY), STRUCTURAL EMBANKMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY). Rows include STA 39+00.00 to 74+00.00.

INDIAN TRAIL - EARTHWORK STAGE 1 AND 2. Table with columns: STA, EXCAVATION (CY), PLACEMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), EARTH EXCAVATION (CY), EMBANKMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), ESTIMATED UNSUITABLE (UNDERCUT) (CY). Rows include STA 40+00.00 to 72+50.00.

SHRINKAGE FACTOR IS 15%.

TOTAL EARTHWORK. Summary table with columns: LOCATION, 20200100, 20201200, 20400800, XX005238, 20700420. Rows include INDIAN TRAIL - STAGE 1A, INDIAN TRAIL - STAGE 1 AND 2, AUTUMN LANE, OHIO STREET, TRASK ROAD.

EARTHWORK GENERAL NOTES

ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS, SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT...

IN DEVELOPING THE EARTHWORK QUANTITIES FOR INDIAN TRAIL RD, IT WAS ASSUMED THAT IN THOSE AREAS WHERE SOIL BORINGS INDICATED THAT UNDERCUT/PGE IS REQUIRED...

IN ADDITION TO NUCLEAR DENSITY TESTING OF EMBANKMENTS AND SUBGRADES, THE FINAL SHALL BE PROOF ROLLED USING A FULLY LOADED SEMI TRUCK...

ANTICIPATED UNDERCUT/PGE LIMITS ARE SHOWN IN THE CROSS SECTIONS. ONCE THE SUBGRADE HAS BEEN PREPARED, FINAL DETERMINATION OF THE NEED FOR UNDERCUT/PGE SHALL BE BASED ON PROOF ROLLS...

TEMPORARY EARTH STOCKPILES WILL NOT BE ALLOWED ON THE ADJACENT PROPERTIES WITHOUT THE PERMISSION OF THE OWNER AND APPROVAL OF THE CITY...

A NOMINAL QUANTITY OF ONE (1) ACRE OF SEED AND MULCH (TYPE 1 SEED WITH TYPE 3 MULCH) HAS BEEN INCLUDED IN THE CONTRACT FOR THE RESTORATION OF AREAS OUTSIDE THE PROJECT LIMITS...

GEOTEXTILE FABRIC SHALL BE PLACED AT THE BOTTOM OF ALL UNDERCUT AREAS. ALL FABRIC PLACED WILL BE MEASURED FOR PAYMENT.

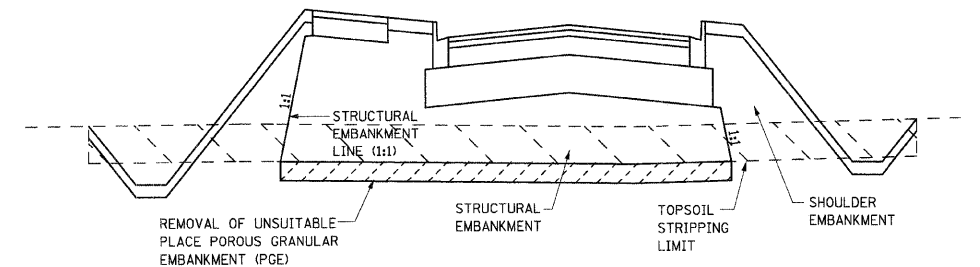
EARTH EXCAVATION AND EMBANKMENT SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE...

TOPSOIL EXCAVATED SHALL BE USED IN THE SHOULDER FILLS FOR THE ROADWAY EMBANKMENT SHORTAGE (-).

SHOULDER AND STRUCTURAL EMBANKMENT CONSTRUCTED IN STAGE 1A FOR THE TEMPORARY PAVEMENT REQUIRED TO BE REMOVED FOR THE CONSTRUCTION STAGE 1 AND 2 IMPROVEMENTS HAS BEEN CALCULATED AND IS INCLUDED IN THE EARTH EXCAVATION QUANTITIES FOR STAGE 1 AND 2.

TRASK ROAD. Table with columns: STA, EXCAVATION (CY), PLACEMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), EARTH EXCAVATION (CY), EMBANKMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), ESTIMATED UNSUITABLE (UNDERCUT) (CY). Rows include STA 604+60.00 to 609+00.00.

OHIO STREET and AUTUMN LANE. Tables with columns: STA, EXCAVATION (CY), PLACEMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), EARTH EXCAVATION (CY), EMBANKMENT (CY), BALANCE WASTE (+) OR SHORTAGE (-) (CY), ESTIMATED UNSUITABLE (UNDERCUT) (CY). Rows include STA 404+10.00 to 501+00.00.



TYPICAL EARTHWORK CROSS-SECTION

REVISIONS table with columns: NAME, DATE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE



SCALE: VERT. HORIZ. DATE: 1/7/09

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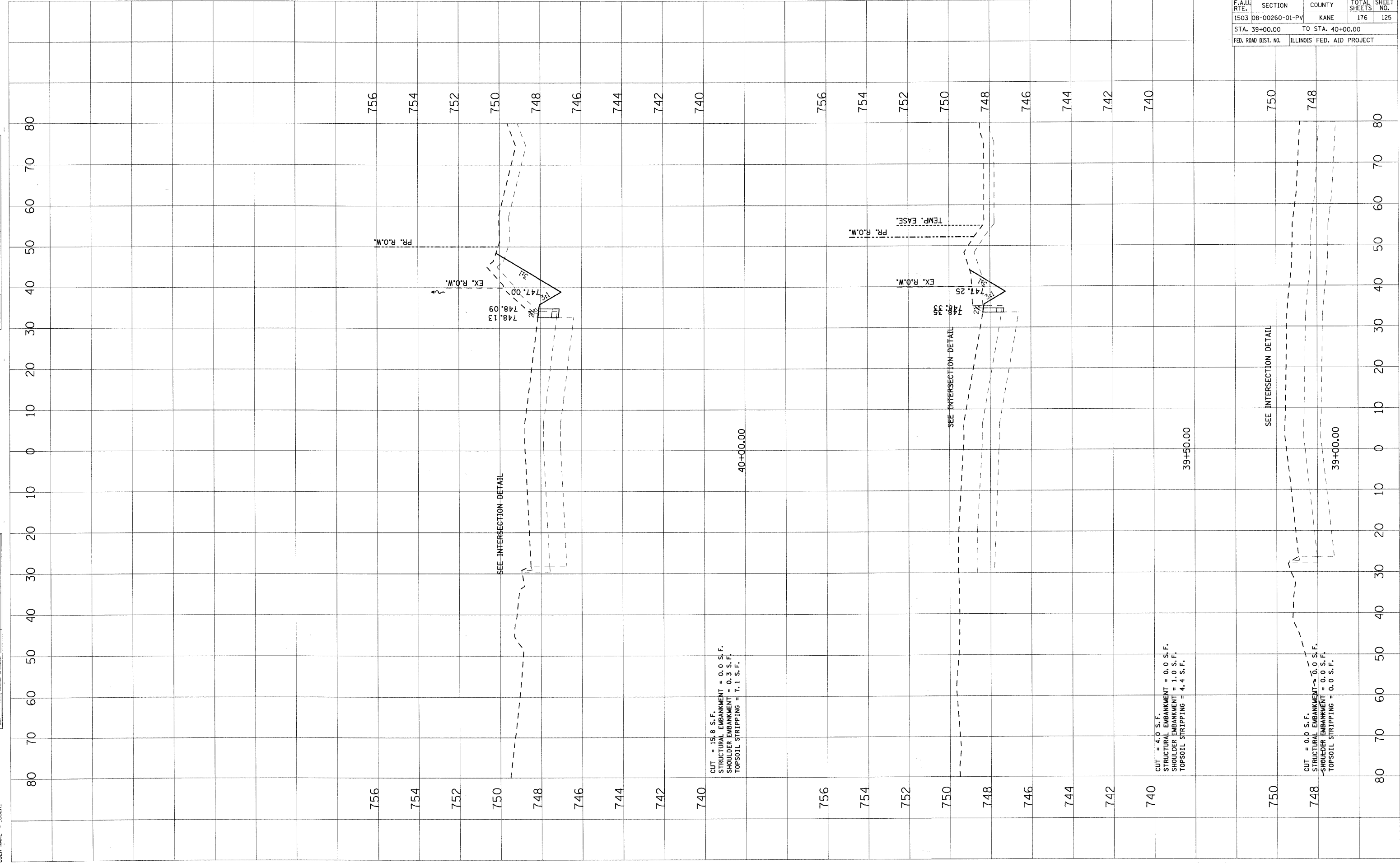
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 CHECKED PLOTTED
 NO. AREAS CHECKED

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

CONTRACT NO. 63095

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	125
STA. 39+00.00		TO STA. 40+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



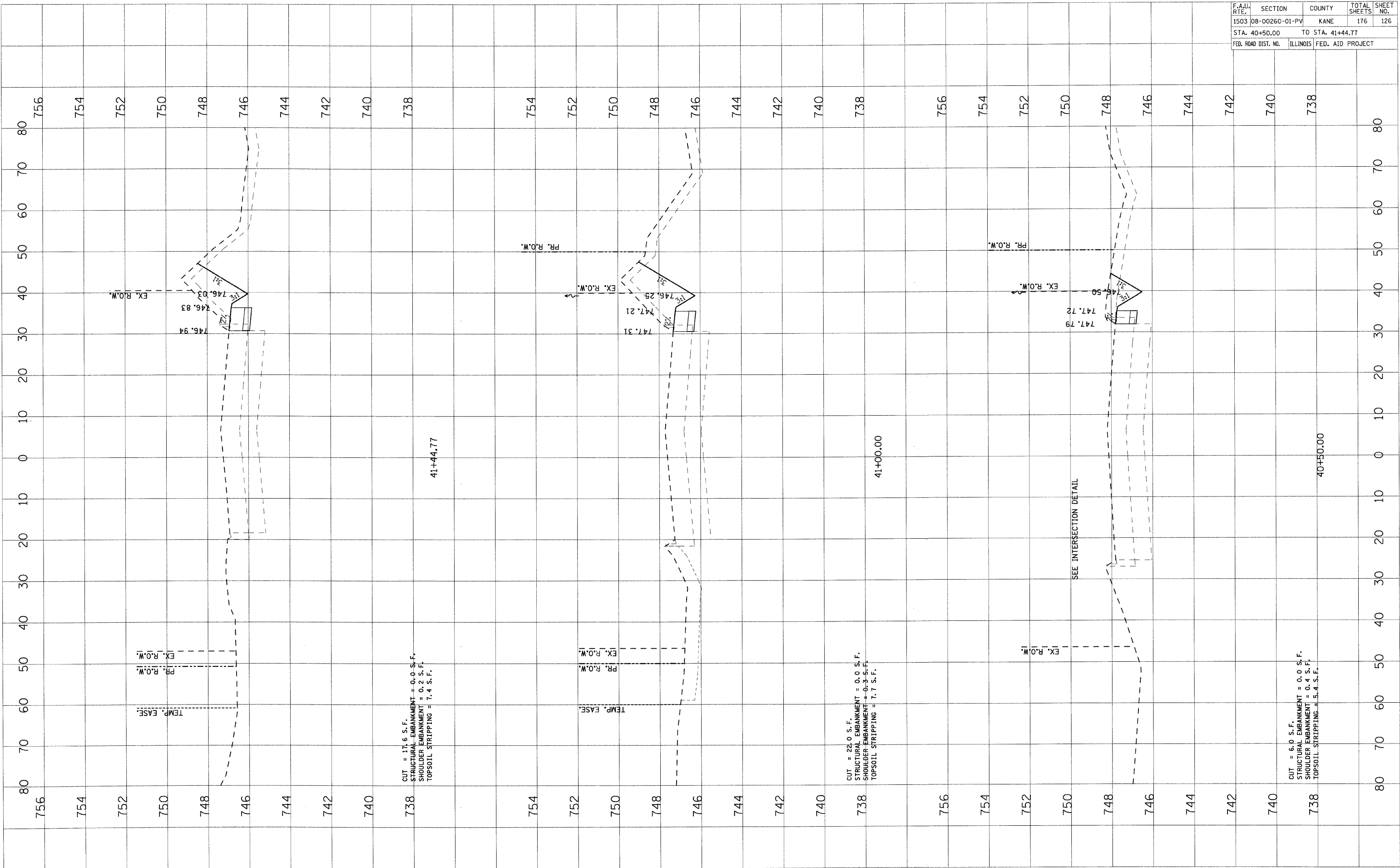
STAGE 1A - INDIAN TRAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	126
STA. 40+50.00		TO STA. 41+44.77		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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 PLOT SCALE = 1"=40'
 USER NAME = JUSER

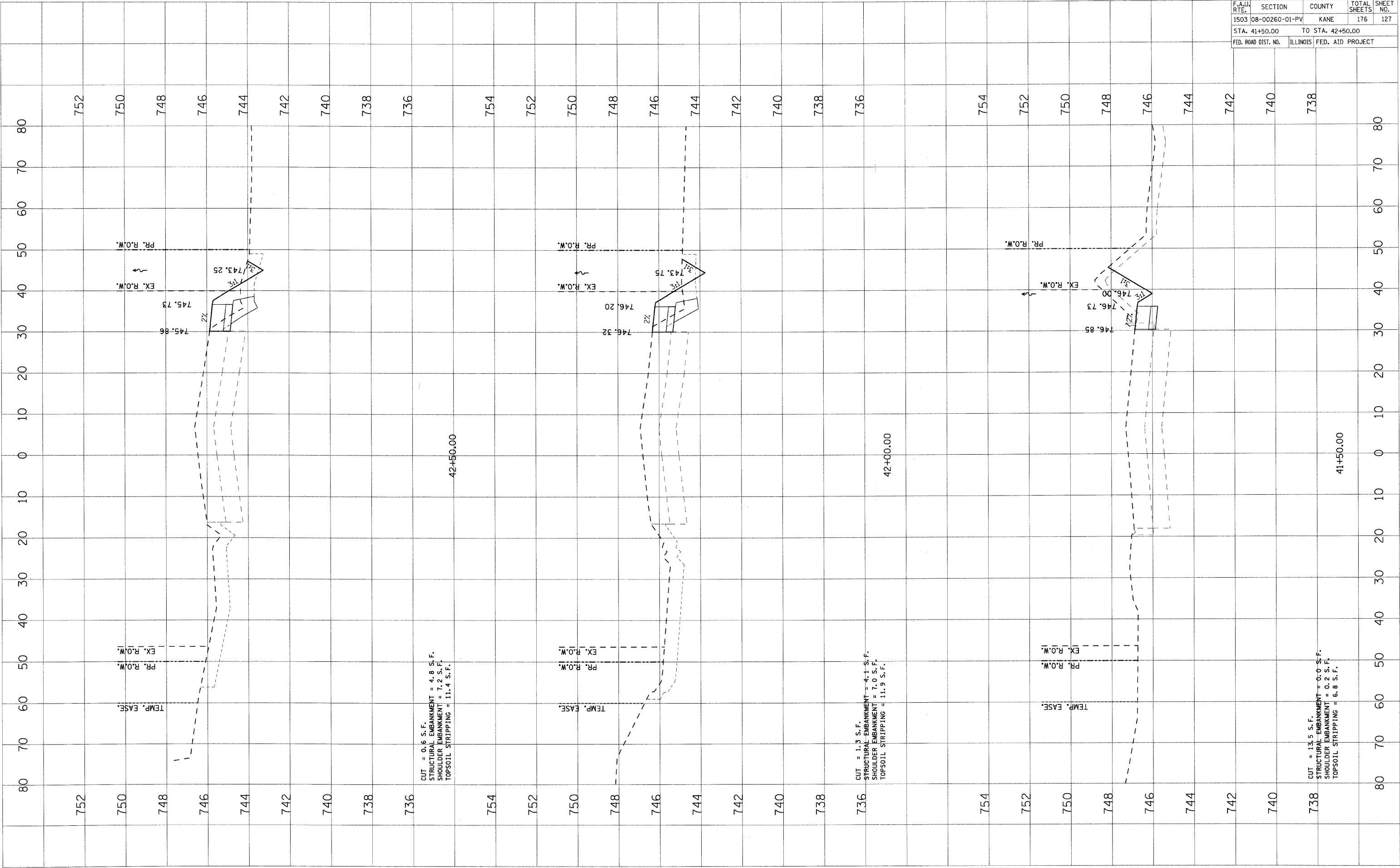


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	127
STA. 41+50.00		TO STA. 42+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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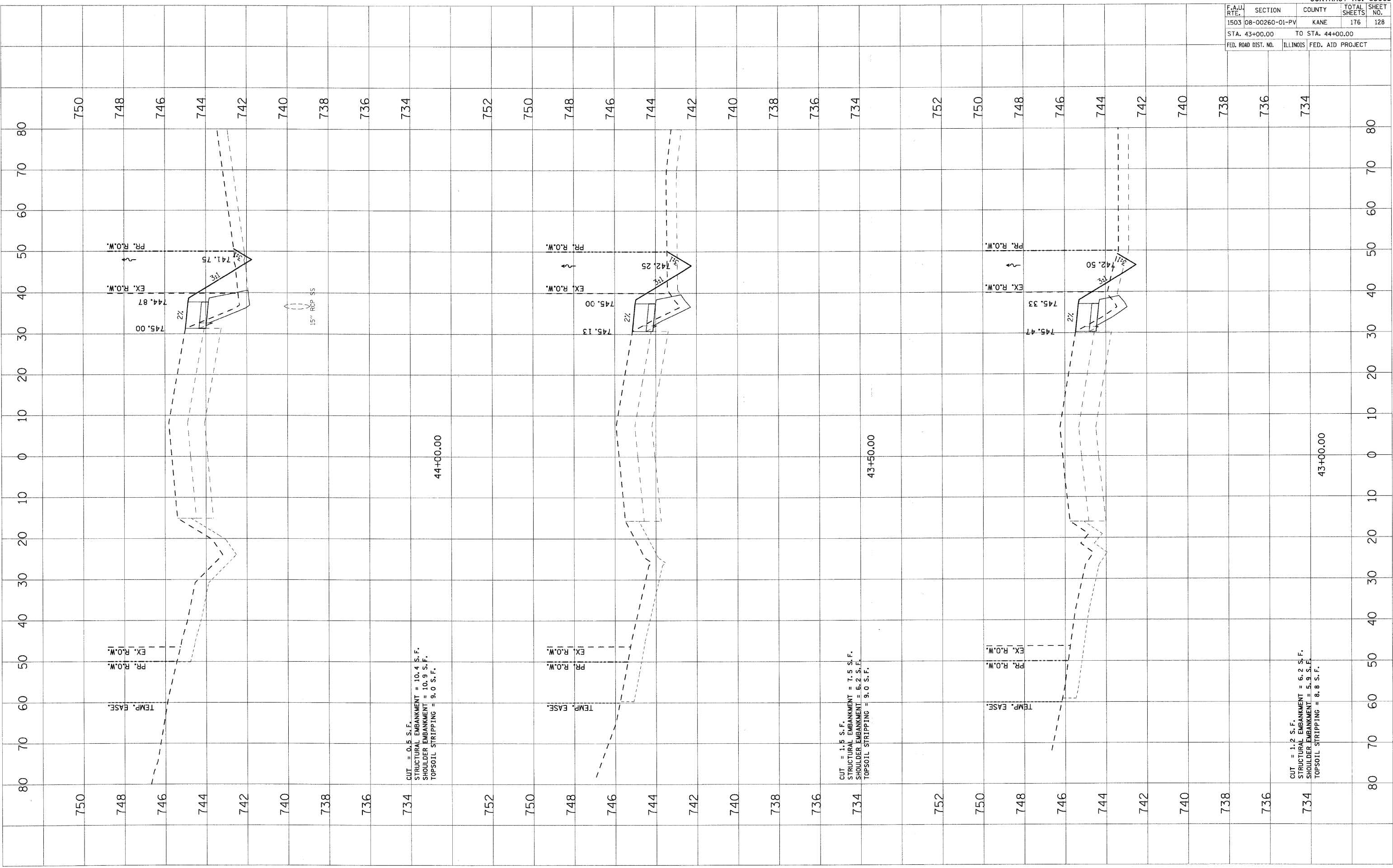


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	128
STA. 43+00.00		TO STA. 44+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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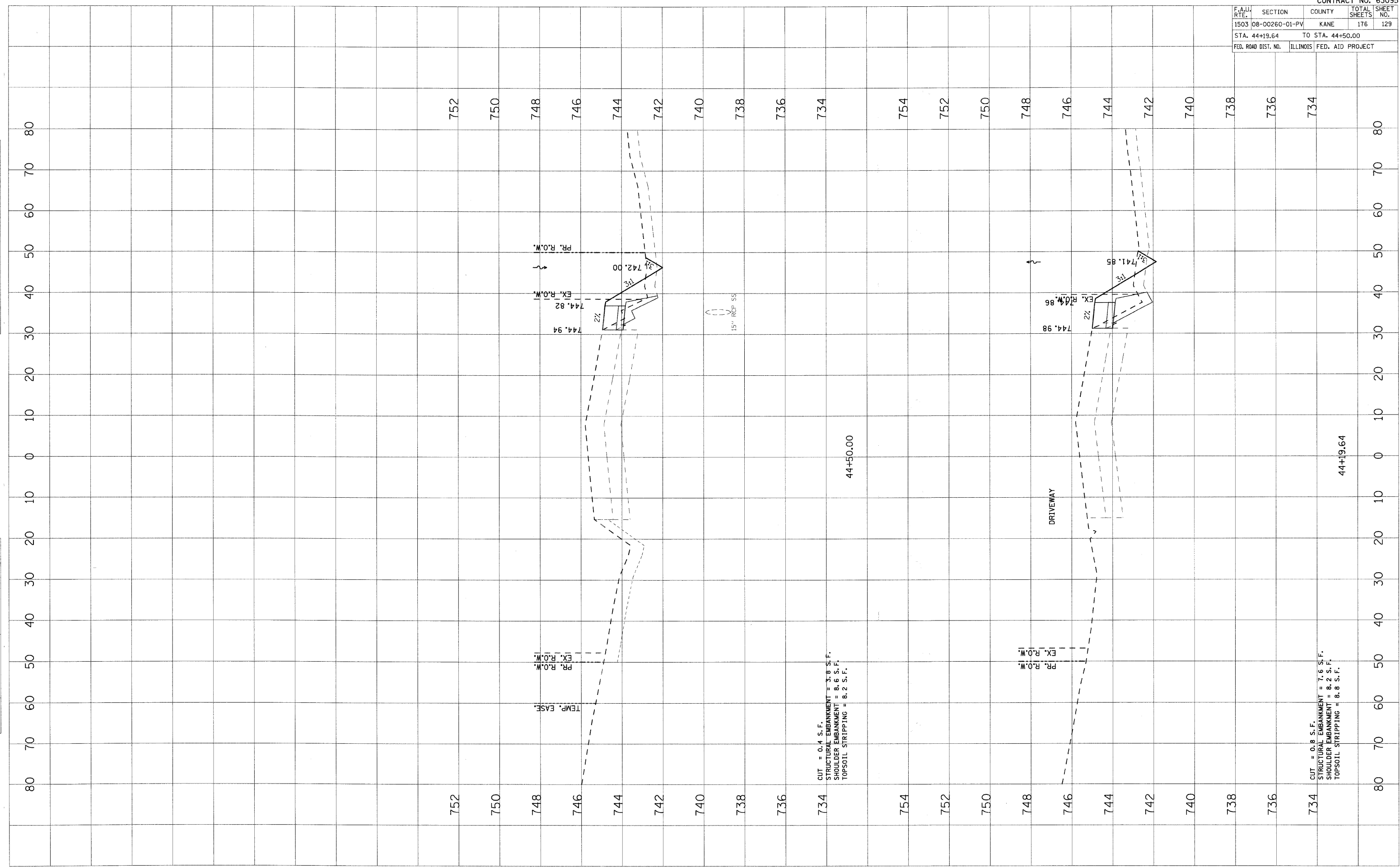


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 CHECKED BY DATE
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FINN SURVEYED BY DATE
 SURVEYED BY DATE
 CHECKED BY DATE
 NO. AREAS CHECKED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	129
STA. 44+19.64		TO STA. 44+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



752
750
748
746
744
742

PR. R.O.W.
EX. R.O.W.

744.94
744.82
742.00

15" RCP SS

44+50.00

CUT = 0.4 S.F.
 STRUCTURAL EMBANKMENT = 3.8 S.F.
 SHOULDER EMBANKMENT = 8.6 S.F.
 TOPSOIL STRIPPING = 8.2 S.F.

DRIVEWAY

PR. R.O.W.
EX. R.O.W.

744.98
744.86
741.85
742

CUT = 0.8 S.F.
 STRUCTURAL EMBANKMENT = 7.6 S.F.
 SHOULDER EMBANKMENT = 8.2 S.F.
 TOPSOIL STRIPPING = 8.8 S.F.

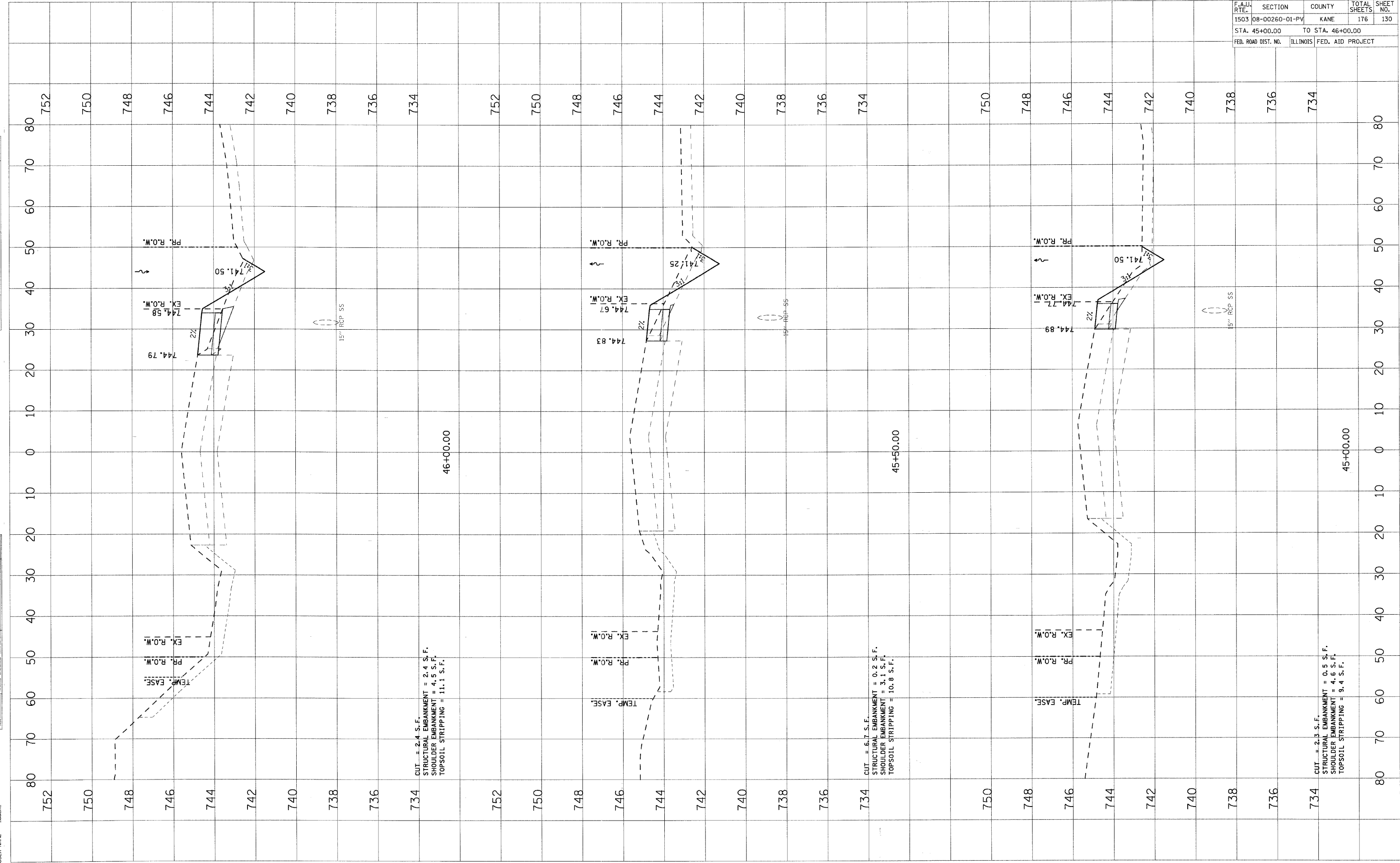
44+19.64

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	130
STA. 45+00.00		TO STA. 46+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
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 USER NAME = JUSER

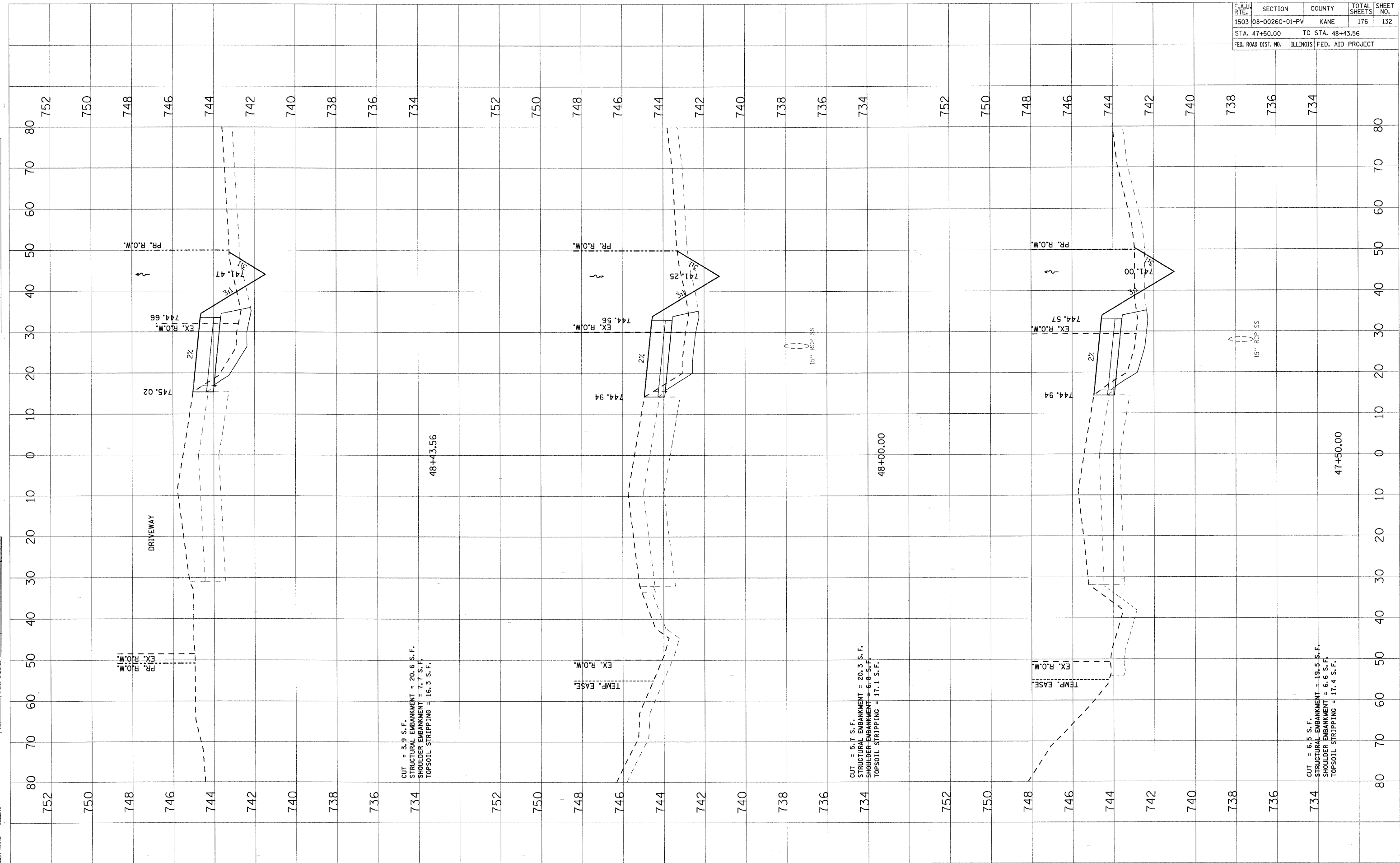


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	132
STA. 47+50.00		TO STA. 48+43.56		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NO.	DATE	BY

NO.	DATE	BY

PLOT DATE = 1/5/2005
 PLOT SCALE = 1"=40'
 USER NAME = USER



CUT = 3.9 S.F.
 STRUCTURAL EMBANKMENT = 20.6 S.F.
 SHOULDER EMBANKMENT = 7.7 S.F.
 TOPSOIL STRIPPING = 16.3 S.F.

CUT = 5.7 S.F.
 STRUCTURAL EMBANKMENT = 20.3 S.F.
 SHOULDER EMBANKMENT = 6.8 S.F.
 TOPSOIL STRIPPING = 17.1 S.F.

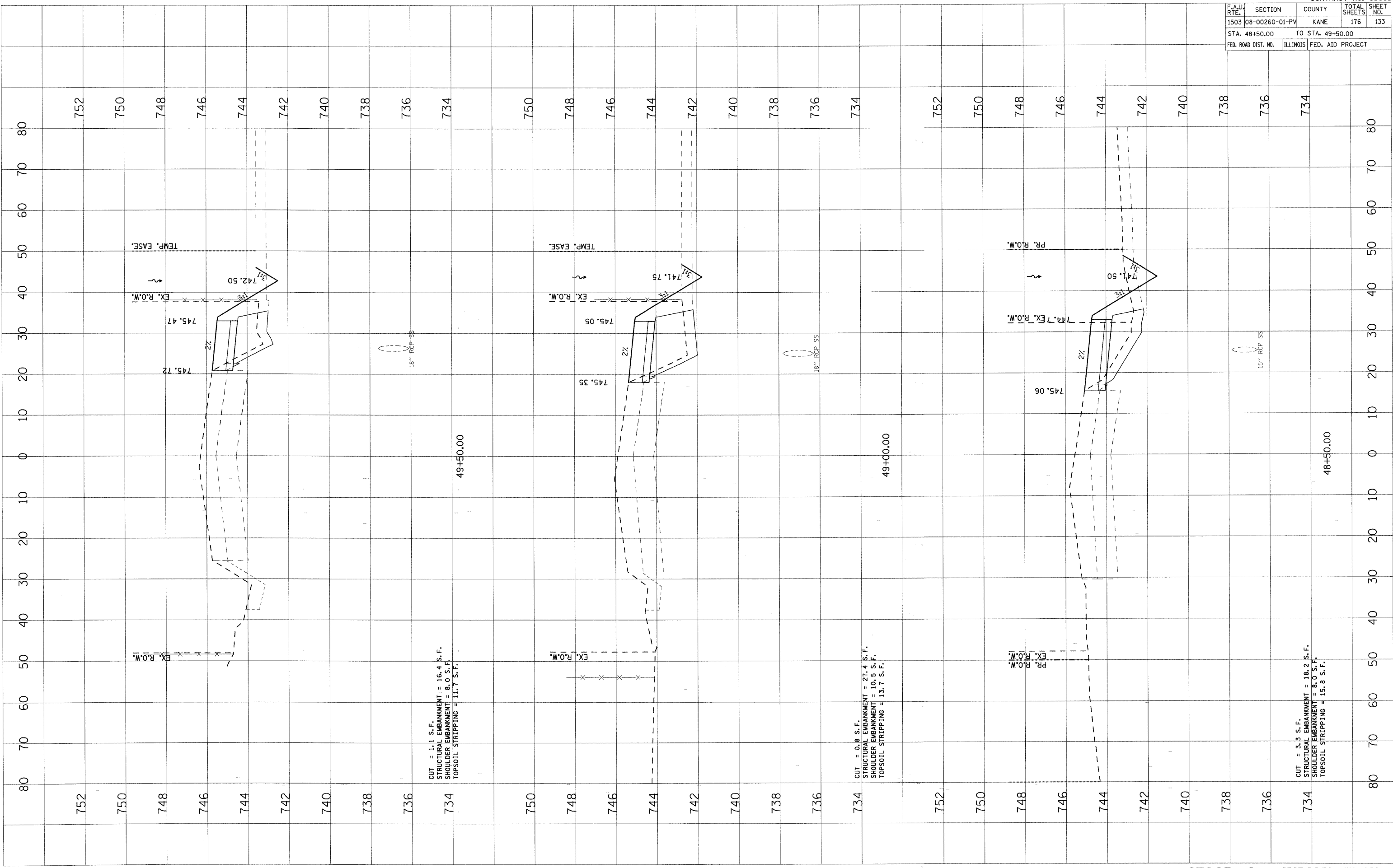
CUT = 6.5 S.F.
 STRUCTURAL EMBANKMENT = 19.5 S.F.
 SHOULDER EMBANKMENT = 6.6 S.F.
 TOPSOIL STRIPPING = 17.4 S.F.

F.A.U. R/F	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	133
STA. 48+50.00		TO STA. 49+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
AREAS CHECKED		

PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40.00'
 USER NAME = JUSER



CUT = 1.1 S.F.
 STRUCTURAL EMBANKMENT = 16.4 S.F.
 SHOULDER EMBANKMENT = 8.0 S.F.
 TOPSOIL STRIPPING = 11.7 S.F.

CUT = 0.8 S.F.
 STRUCTURAL EMBANKMENT = 27.4 S.F.
 SHOULDER EMBANKMENT = 10.5 S.F.
 TOPSOIL STRIPPING = 13.7 S.F.

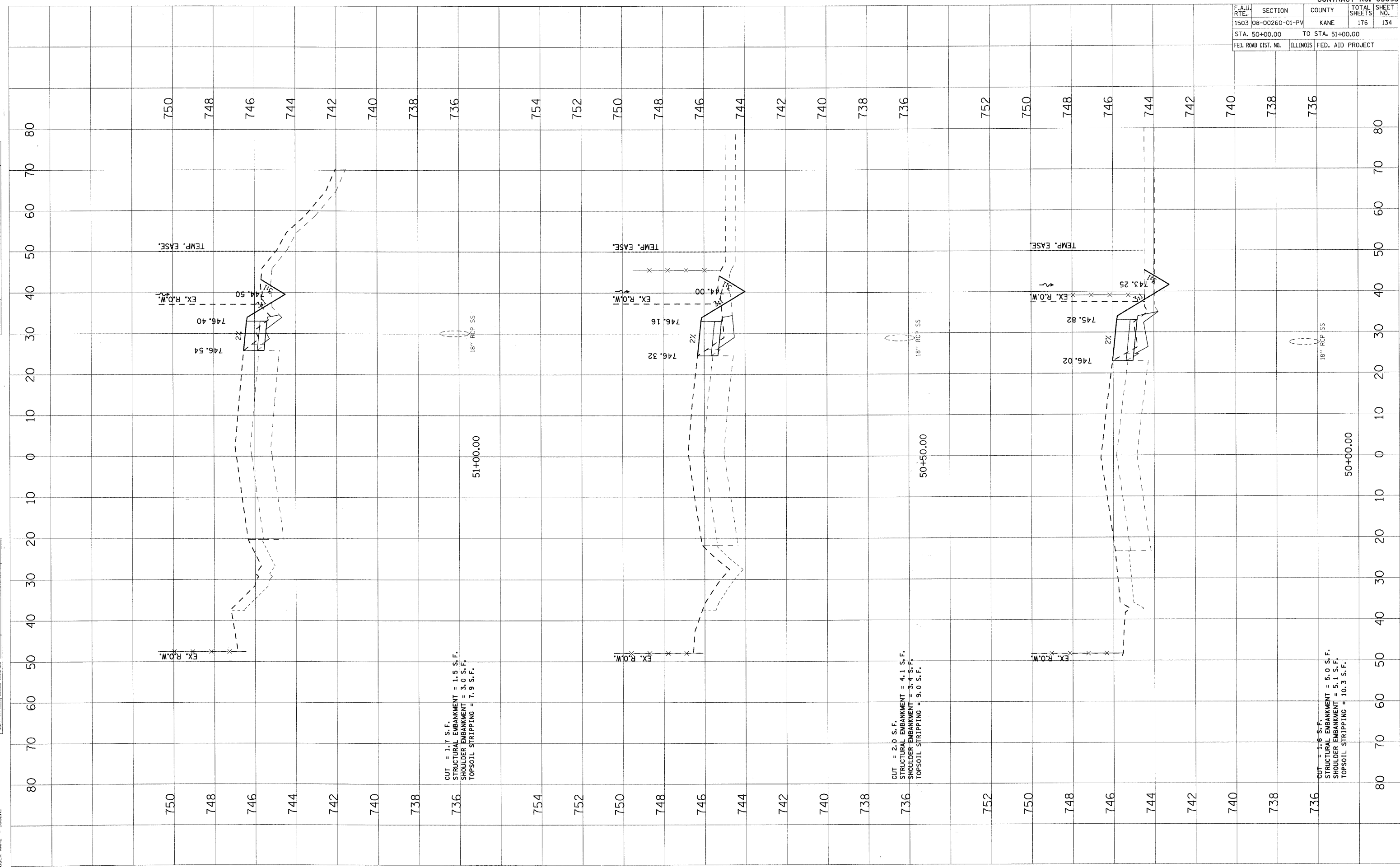
CUT = 3.3 S.F.
 STRUCTURAL EMBANKMENT = 18.2 S.F.
 SHOULDER EMBANKMENT = 8.0 S.F.
 TOPSOIL STRIPPING = 15.8 S.F.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	134
STA. 50+00.00		TO STA. 51+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	AREAS CHECKED		

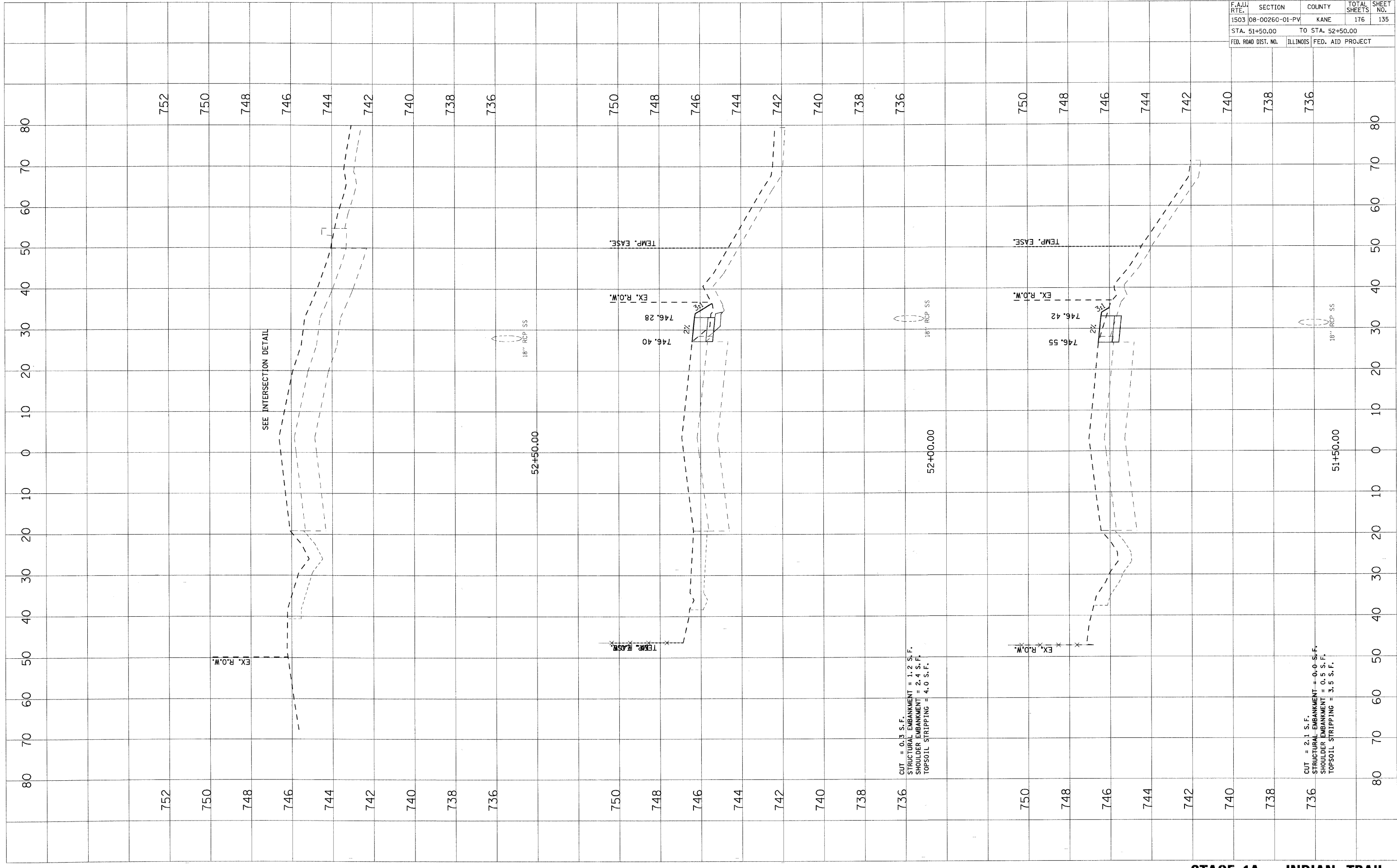
PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40'
 USER NAME = JUBER



PLOT DATE = 1/5/2009
 PLOT SCALE = 1/4"=100'
 USER NAME = JUBER

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	NO.		
AREAS CHECKED			

FINAL SURVEY	SURVEYED	BY	DATE
NO.	NO.		
AREAS CHECKED			



STAGE 1A - INDIAN TRAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	135
STA. 51+50.00		TO STA. 52+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CUT = 2.1 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 0.5 S.F.
 TOPSOIL STRIPPING = 3.5 S.F.

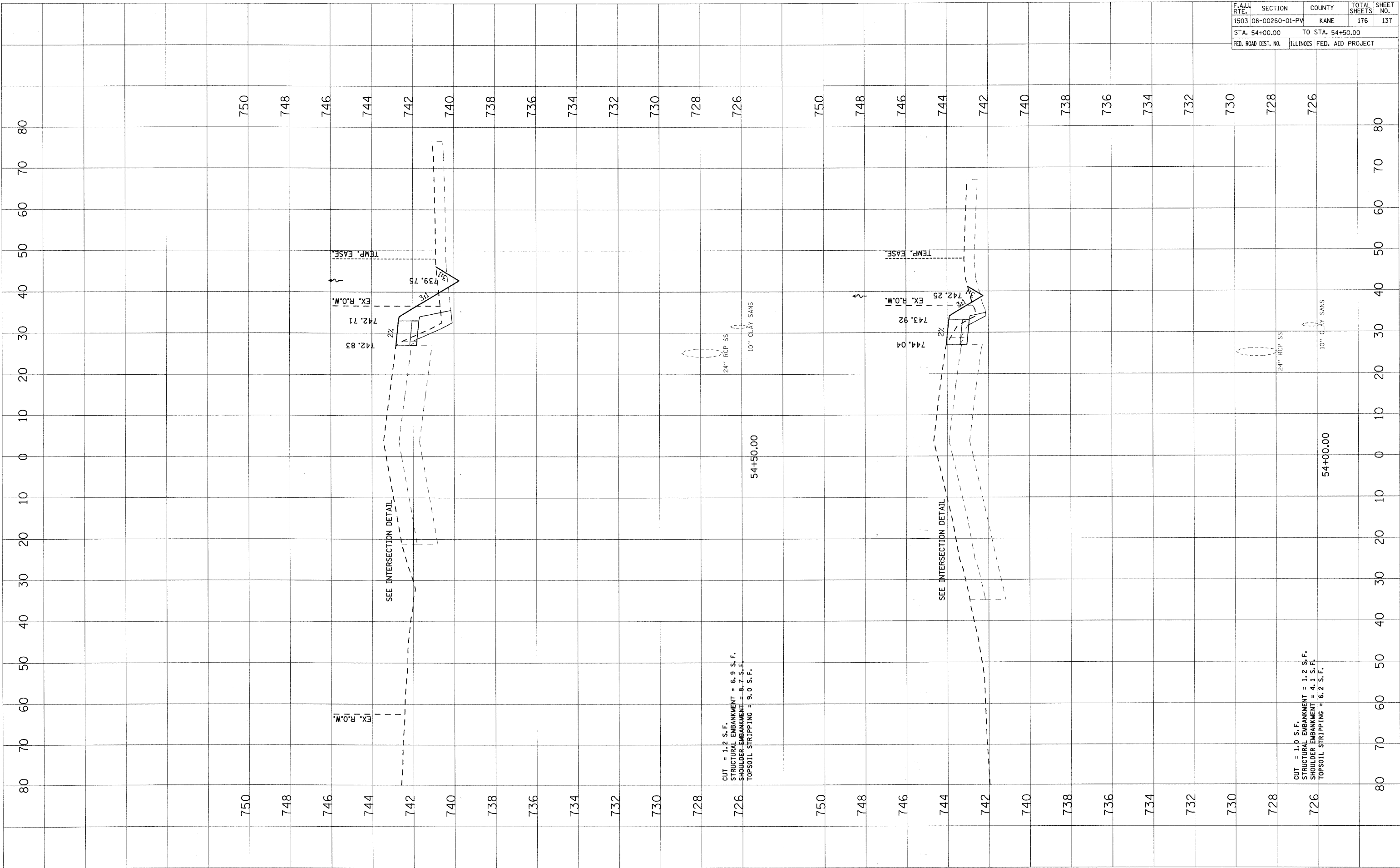
CUT = 0.3 S.F.
 STRUCTURAL EMBANKMENT = 1.2 S.F.
 SHOULDER EMBANKMENT = 2.4 S.F.
 TOPSOIL STRIPPING = 4.0 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	137
STA. 54+00.00		TO STA. 54+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 1/6/2009
 USER NAME = JUSER

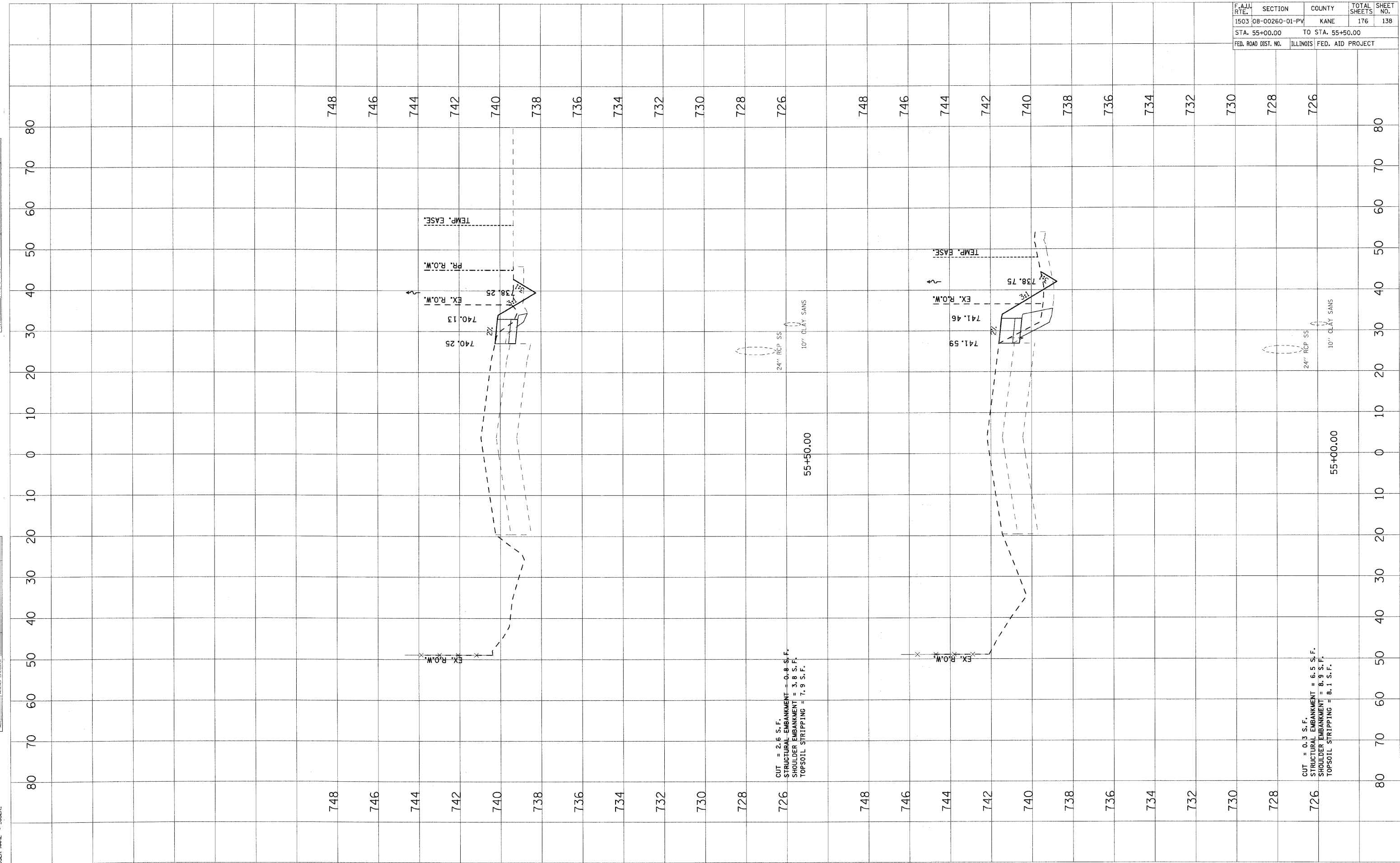


F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	138
STA. 55+00.00		TO STA. 55+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE = 1/5/2009
 PLOT SCALE = 1/4"=100'
 USER NAME = USER



726 CUT = 2.6 S.F.
 STRUCTURAL EMBANKMENT = 0.8 S.F.
 SHOULDER EMBANKMENT = 3.8 S.F.
 TOPSOIL STRIPPING = 7.9 S.F.

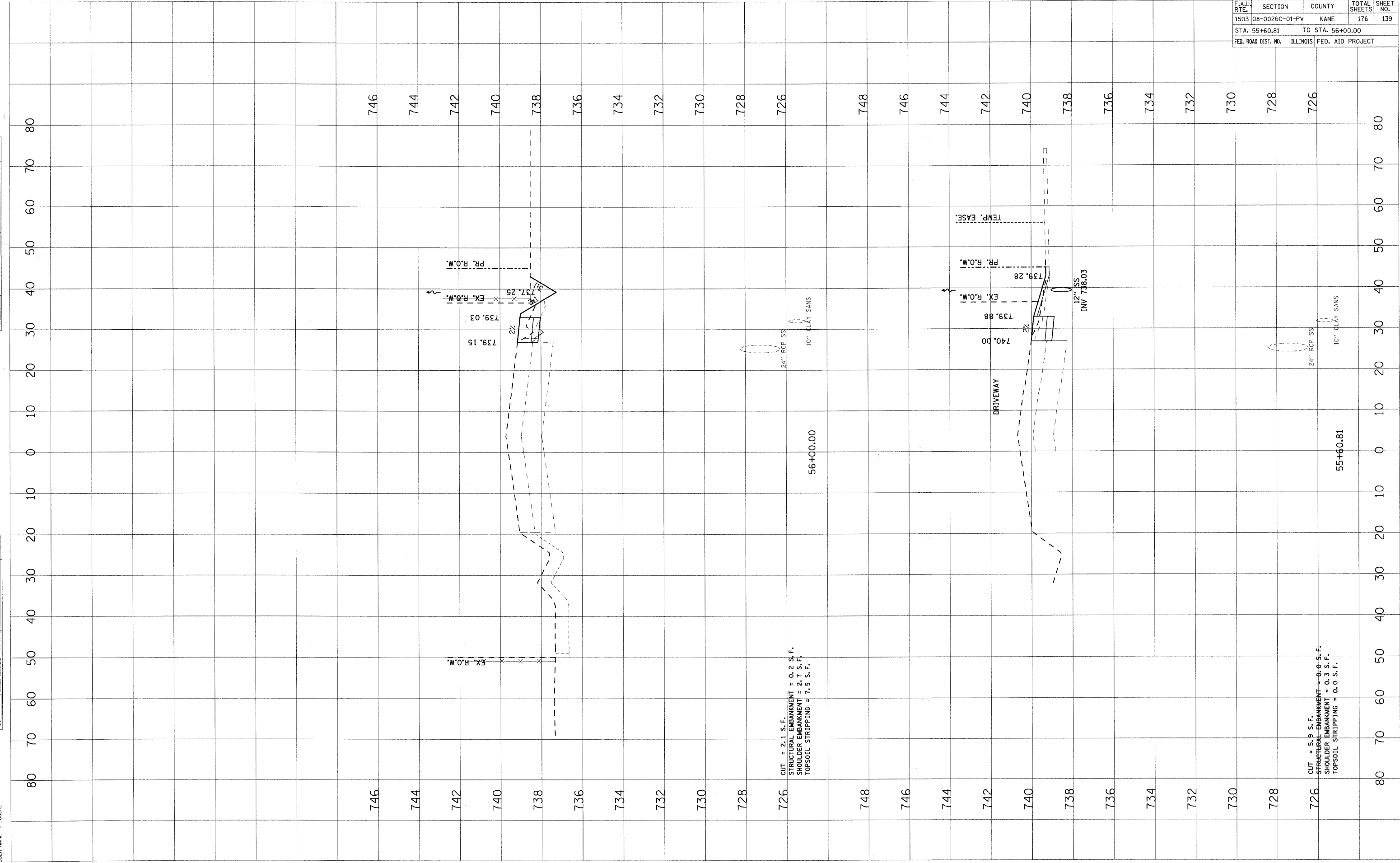
726 CUT = 0.3 S.F.
 STRUCTURAL EMBANKMENT = 6.5 S.F.
 SHOULDER EMBANKMENT = 8.9 S.F.
 TOPSOIL STRIPPING = 8.1 S.F.

PLOT DATE = 1/5/2009
 PLOT BY = H:\Users\j200699.LIT\PLT\G:\v1\5\1\2009\1503-00260-01-PV-176-139.dwg
 PLOT SCALE = 1"=40'
 USER NAME = JUBER.

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	139
STA. 55+60.81		TO STA. 56+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CUT = 2.1 S. F.
 STRUCTURAL EMBANKMENT = 0.2 S. F.
 SHOULDER EMBANKMENT = 2.7 S. F.
 TOPSOIL STRIPPING = 7.5 S. F.

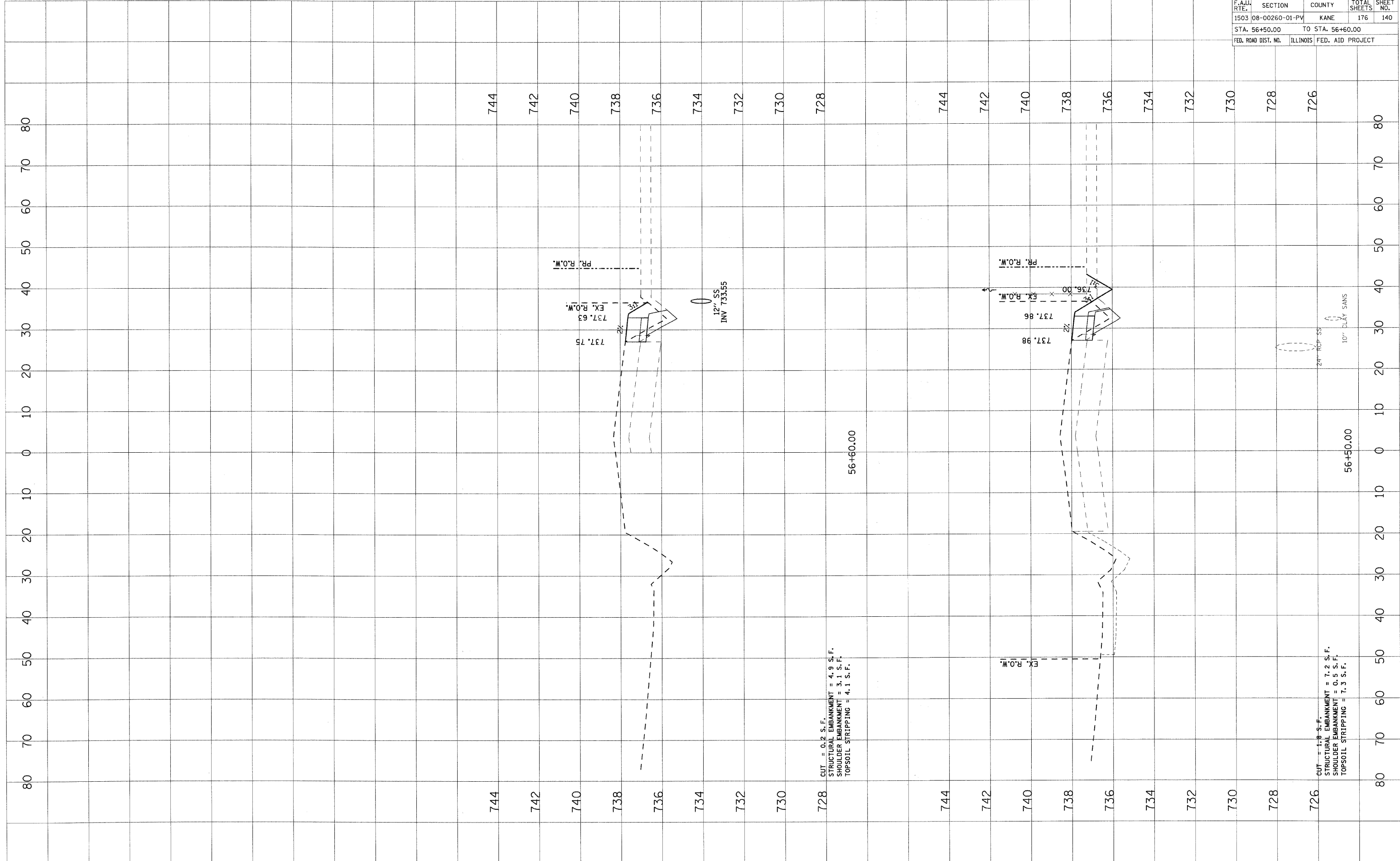
CUT = 5.9 S. F.
 STRUCTURAL EMBANKMENT = 0.0 S. F.
 SHOULDER EMBANKMENT = 0.3 S. F.
 TOPSOIL STRIPPING = 0.0 S. F.

PLOT DATE = 1/25/2009
 USER = H:\Users\120869.ITPH\1\Civil\Sheet\63095\63095.dwg
 PLOT SCALE = USER
 USER NAME = USER

ORIGINAL	SURVEYED	BY	DATE
DATE	DATE		
NO.	NO.		

F.W.L.	SURVEYED	BY	DATE
NO.	NO.		
AREAS CHECKED	AREAS CHECKED		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	140
STA. 56+50.00		TO STA. 56+60.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

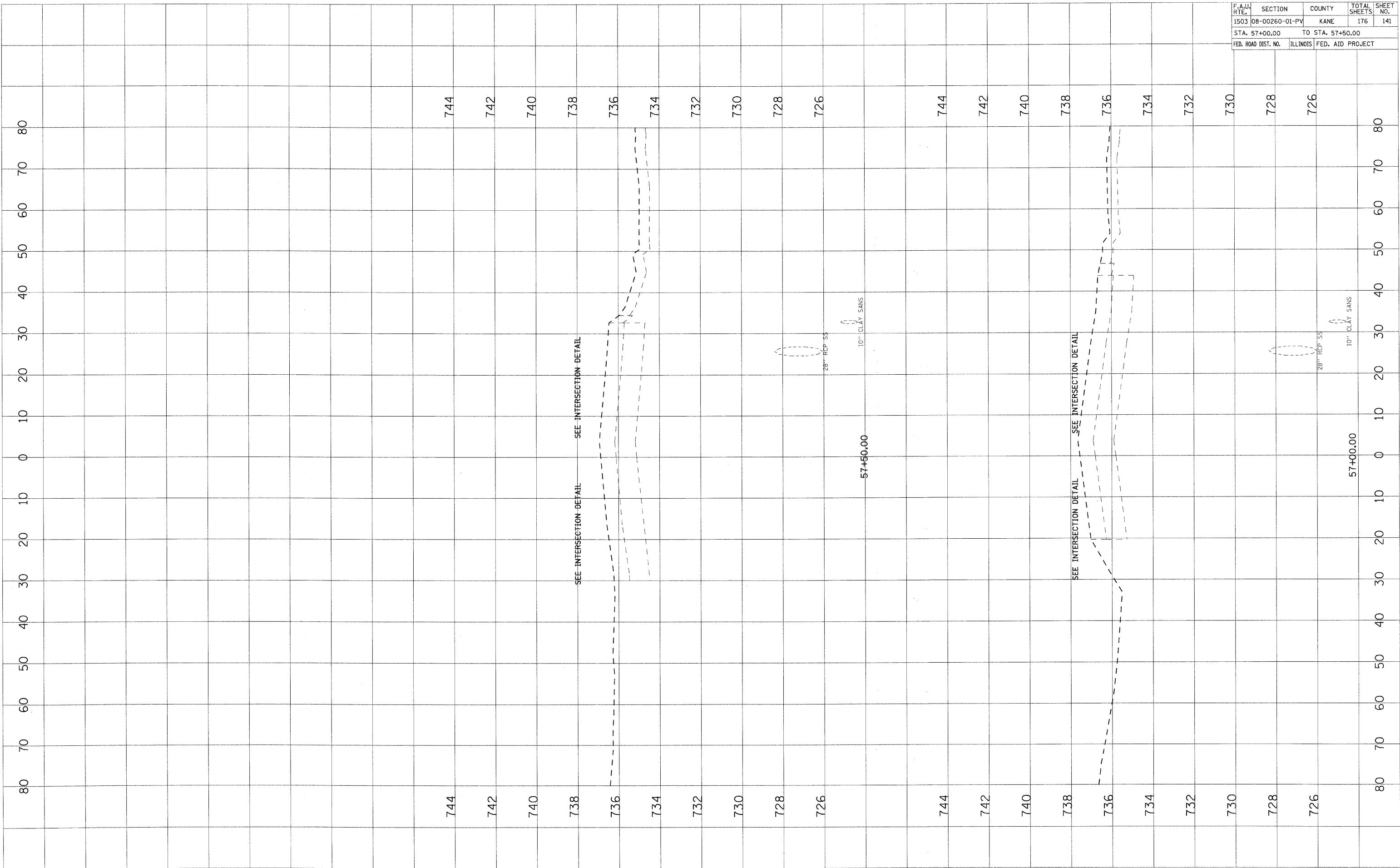


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	141
STA. 57+00.00		TO STA. 57+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

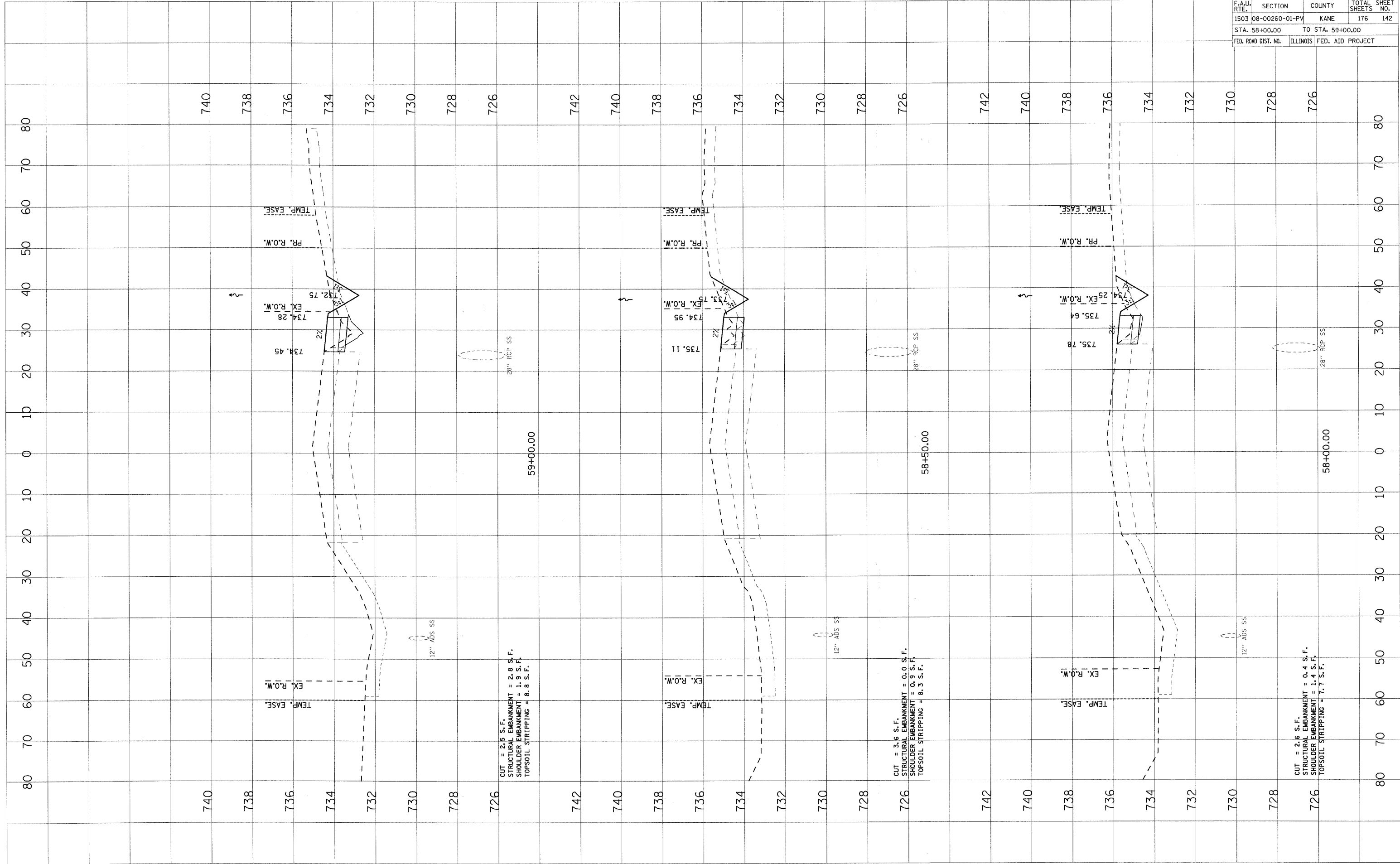
PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40'
 USER NAME = USER



PLOT DATE = 1/5/2009
 USER NAME = JUSER

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

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



CUT = 2.5 S.F.
 STRUCTURAL EMBANKMENT = 2.8 S.F.
 SHOULDER EMBANKMENT = 1.9 S.F.
 TOPSOIL STRIPPING = 8.8 S.F.

CUT = 3.6 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 0.9 S.F.
 TOPSOIL STRIPPING = 8.3 S.F.

CUT = 2.6 S.F.
 STRUCTURAL EMBANKMENT = 0.4 S.F.
 SHOULDER EMBANKMENT = 1.4 S.F.
 TOPSOIL STRIPPING = 7.7 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	142
STA. 58+00.00		TO STA. 59+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

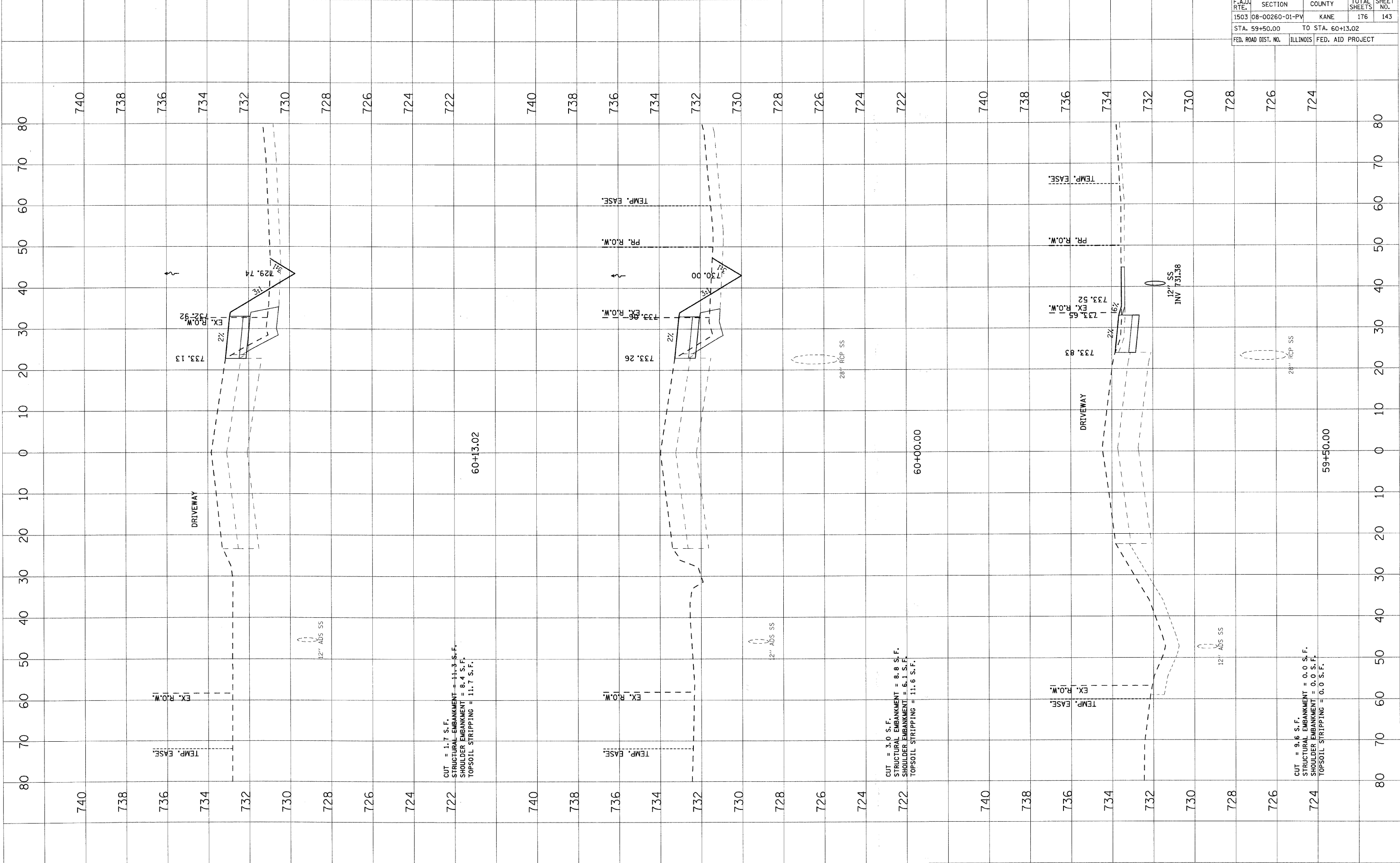
CONTRACT NO. 63095

PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40.00'
 USER NAME = JUSER

ORIGINAL SURVEYED BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

FINAL SURVEYED BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503		08-00260-01-PV	KANE	176	143
STA. 59+50.00		TO STA. 60+13.02			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



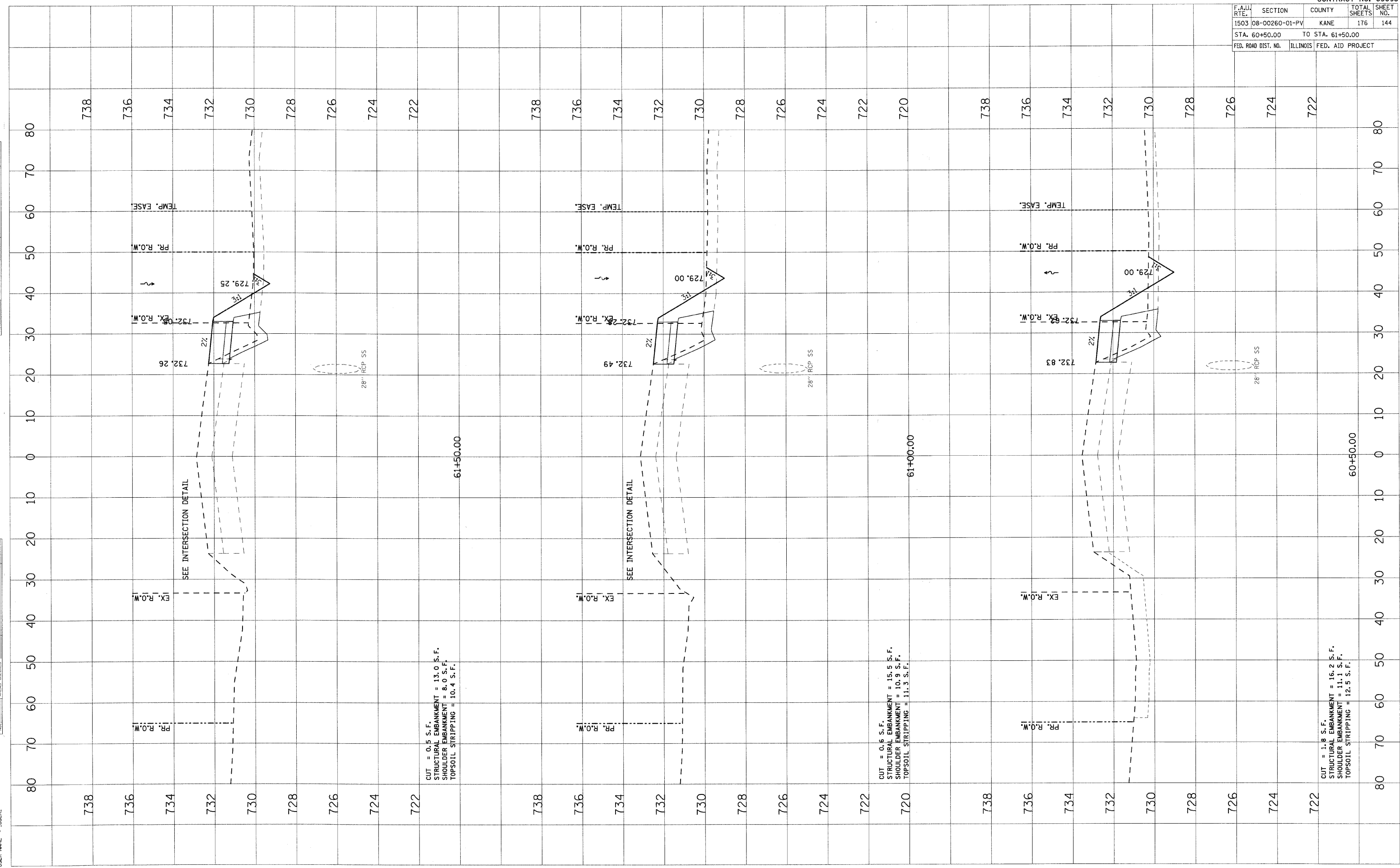
STAGE 1A - INDIAN TRAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	144
STA. 60+50.00		TO STA. 61+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
NO. 1		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
NO. 1		
AREAS CHECKED		

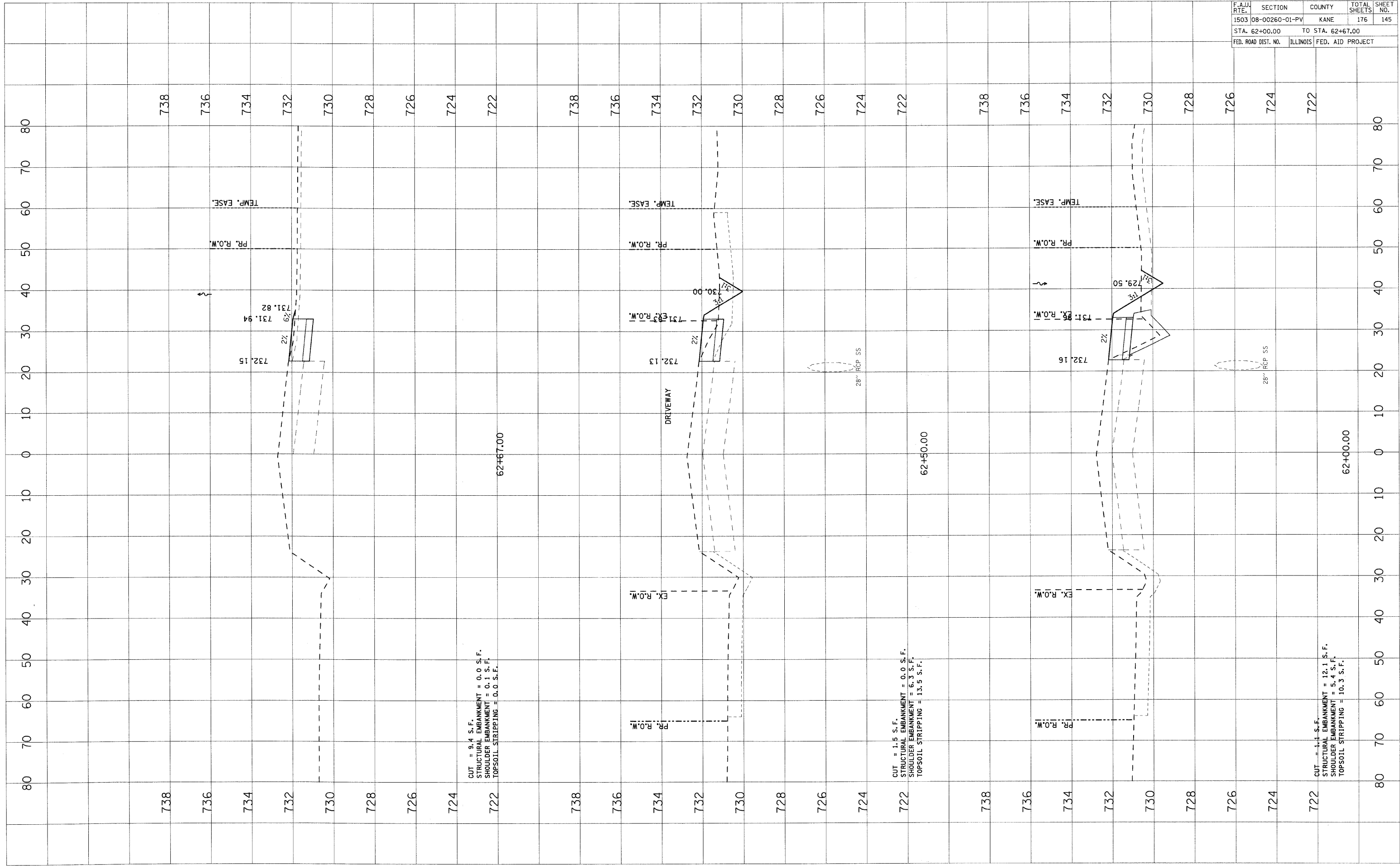
PLOT DATE = 1/25/2009
 FILE NAME = I:\Road\63095\1503\08-00260-01-PV\STAGE 1A.dwg
 PLOT SCALE = 1"=40'
 USER NAME = JBER.



PLOT DATE = 1/6/2009
 PLOT SCALE = 1/4"=1'-0"
 USER NAME = USER

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

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



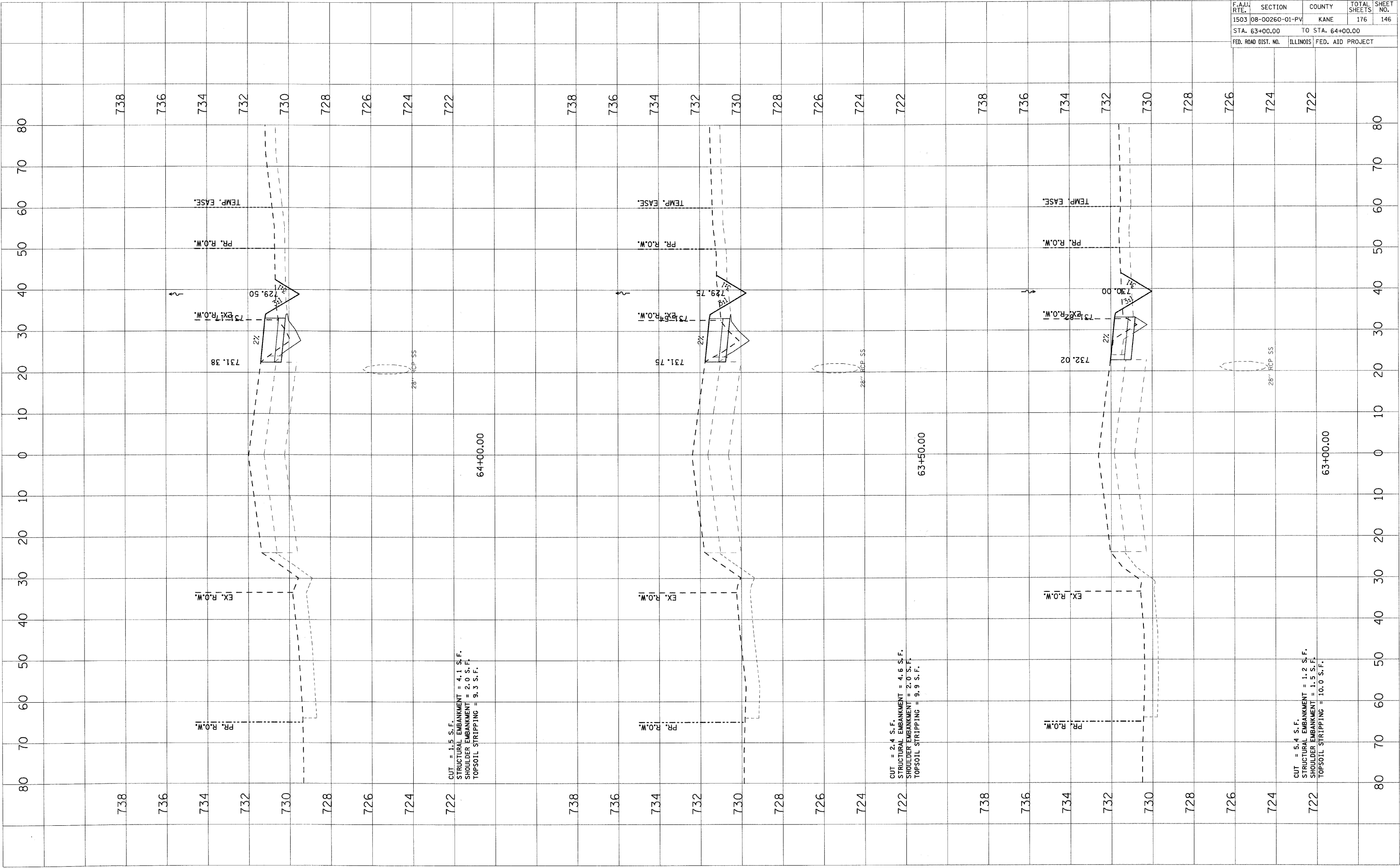
STAGE 1A - INDIAN TRAIL

CONTRACT NO. 63095				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	145
STA. 62+00.00		TO STA. 62+67.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLOT DATE = 1/2/2009
 PLOT SCALE = 1/4" = 100'
 USER NAME = JUSER

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	DATE
AREAS CHECKED	
NO.	

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	DATE
AREAS CHECKED	
NO.	



CONTRACT NO. 63095				
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	146
STA. 63+00.00		TO STA. 64+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

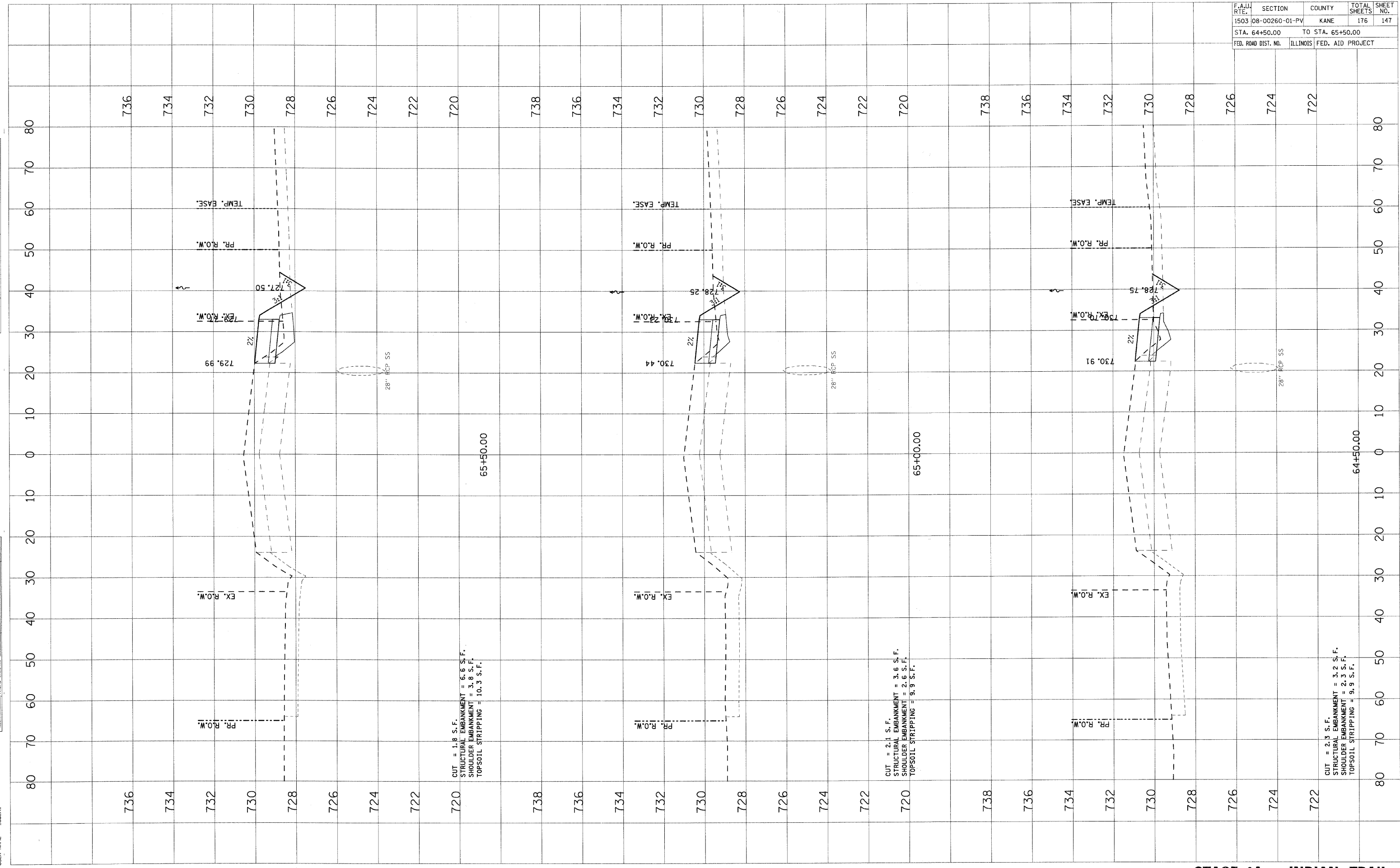
STAGE 1A - INDIAN TRAIL

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	147
STA. 64+50.00		TO STA. 65+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40'
 USER NAME = JGSR



CUT = 1.8 S.F.
 STRUCTURAL EMBANKMENT = 6.6 S.F.
 SHOULDER EMBANKMENT = 3.8 S.F.
 TOPSOIL STRIPPING = 10.3 S.F.

CUT = 2.1 S.F.
 STRUCTURAL EMBANKMENT = 3.6 S.F.
 SHOULDER EMBANKMENT = 2.6 S.F.
 TOPSOIL STRIPPING = 9.9 S.F.

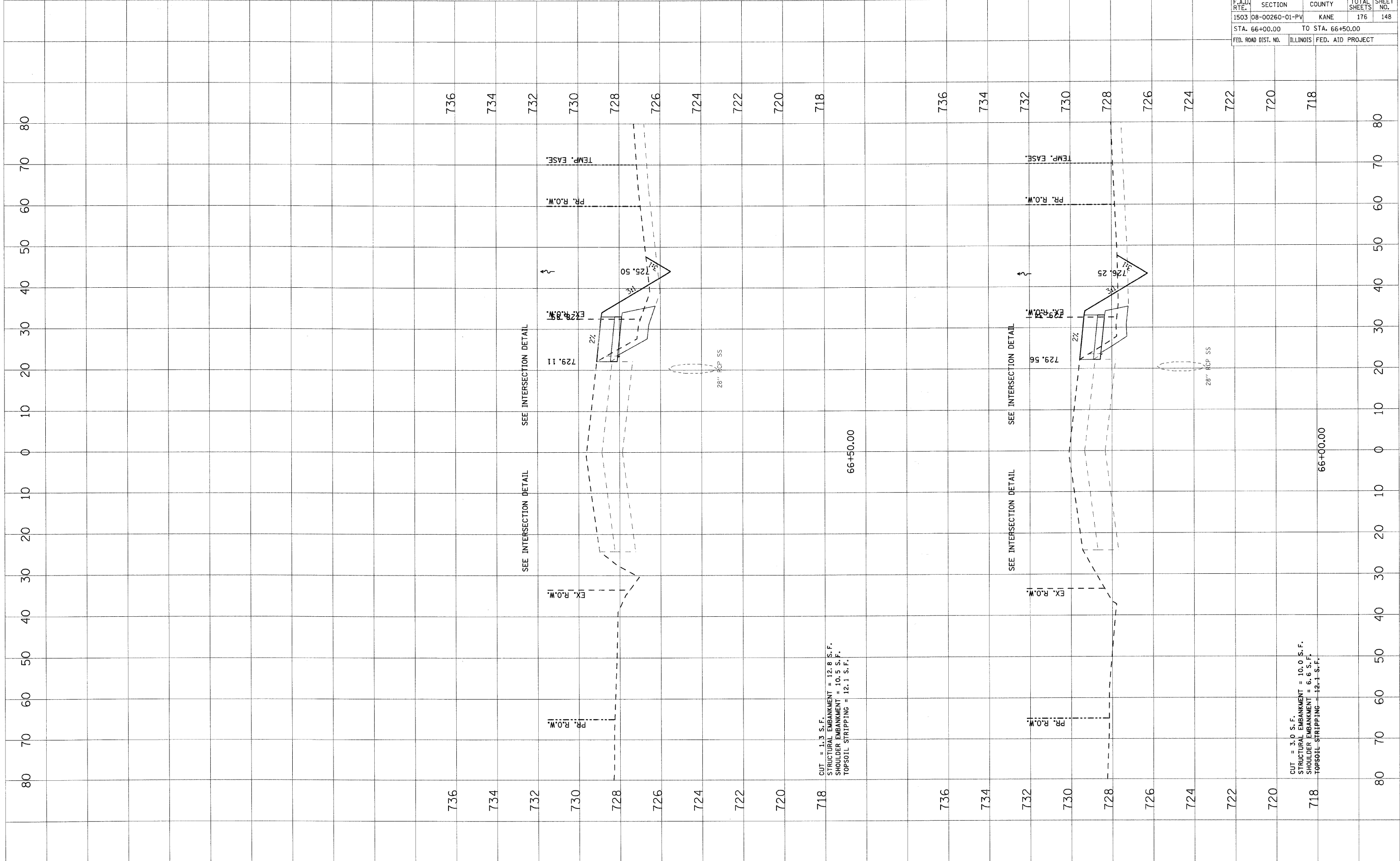
CUT = 2.3 S.F.
 STRUCTURAL EMBANKMENT = 3.2 S.F.
 SHOULDER EMBANKMENT = 2.3 S.F.
 TOPSOIL STRIPPING = 9.9 S.F.

PLOT DATE = 1/5/2009
 FILE NAME = I:\Projects\122089.LTP\INDIAN TRAIL\STAGE 1A\STAGE 1A.DWG
 PLOT SCALE = 1"=40'
 USER NAME = JUSER

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

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

F.A.U. RITE		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503		08-00260-01-PV	KANE	176	148
STA. 66+00.00		TO STA. 66+50.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

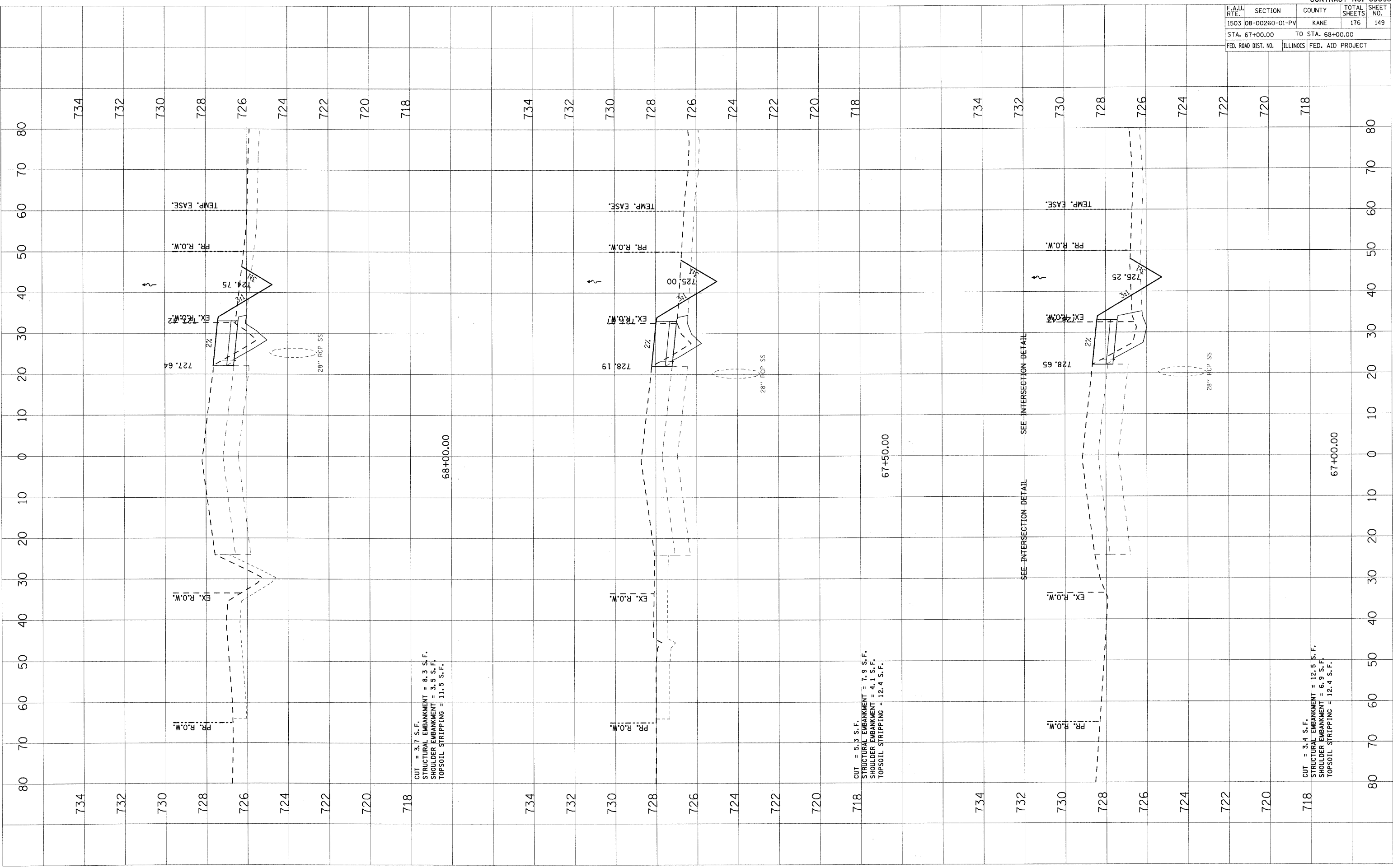


F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	149
STA. 67+00.00		TO STA. 68+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTED		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTED		
AREAS CHECKED		

PLOT DATE = 1/25/2009
 PLOT NAME = I:\Projects\1228095.LITR\1\CONV\1\SHR\1\STAGE 1A - INDIAN TRAIL
 PLOT SCALE = 1"=40'
 USER NAME = JUBER.

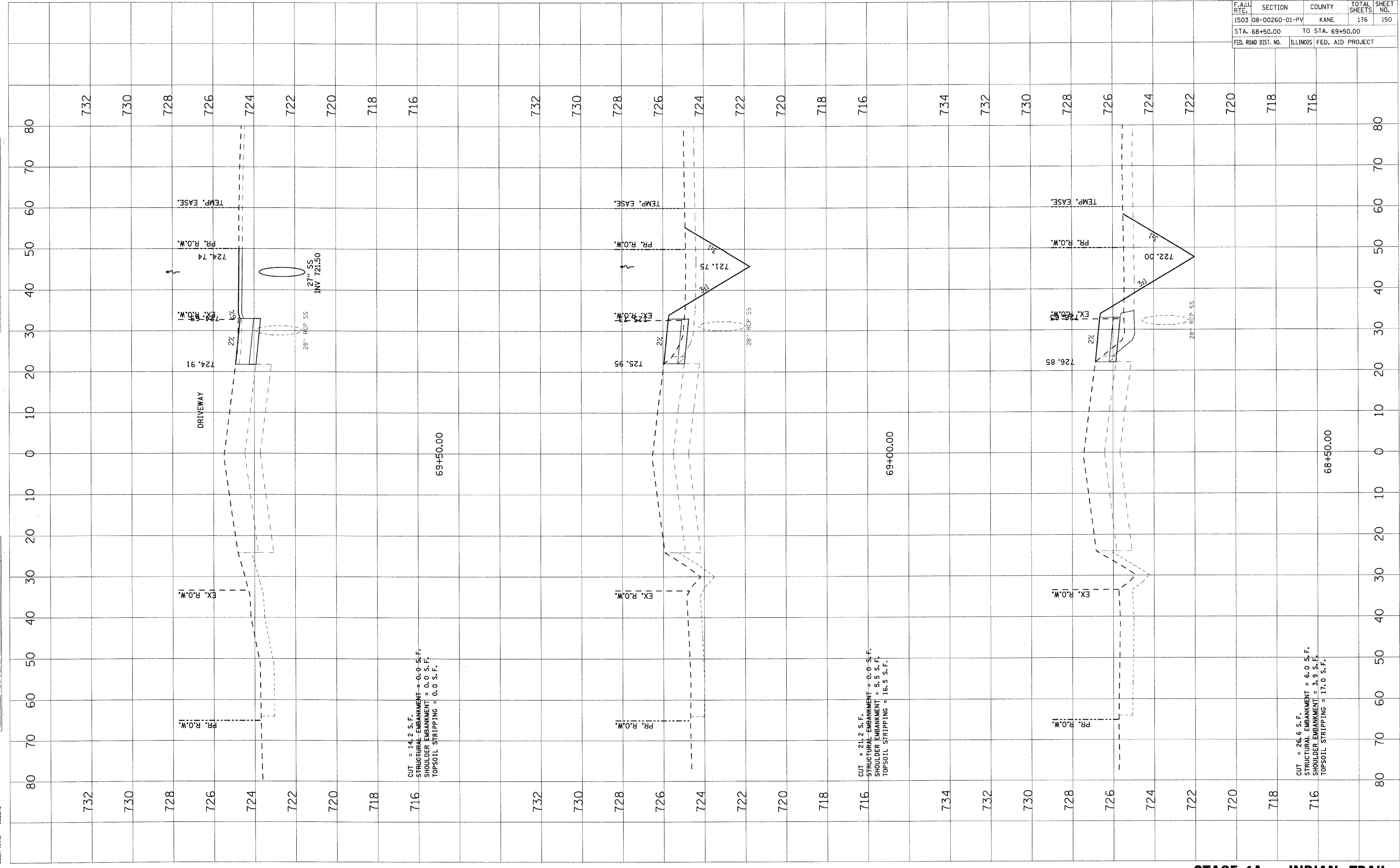


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	150
STA. 68+50.00		TO STA. 69+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 1/25/2009
 PLOT USER = JUSER
 PLOT SCALE = 1"=40'



CUT = 14.2 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 0.0 S.F.
 TOPSOIL STRIPPING = 0.0 S.F.

CUT = 21.2 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 5.5 S.F.
 TOPSOIL STRIPPING = 16.5 S.F.

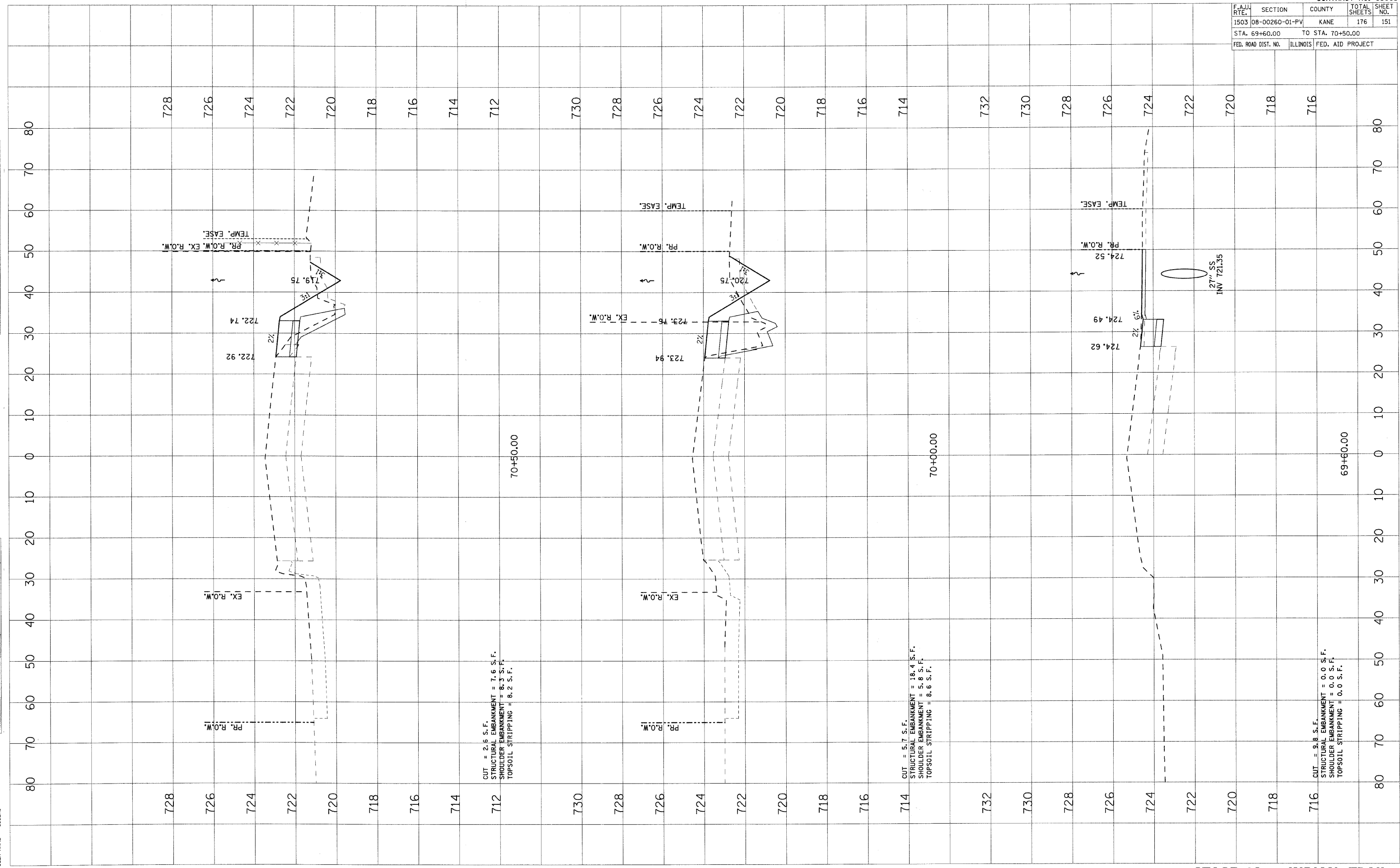
CUT = 26.6 S.F.
 STRUCTURAL EMBANKMENT = 6.0 S.F.
 SHOULDER EMBANKMENT = 3.9 S.F.
 TOPSOIL STRIPPING = 17.0 S.F.

F.A.I. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	151
STA. 69+60.00		TO STA. 70+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMP. EASE.		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
FLOTTED		
TEMP. EASE.		
AREAS CHECKED		
NO.		

PLOT DATE = 1/5/2009
 FILE NAME = H:\work\1208095.ITR\INDIAN TRAIL\STAGE 1A
 PLOT SCALE = 1"=40'
 USER NAME = JUSER



CUT = 2.6 S.F.
 STRUCTURAL EMBANKMENT = 7.6 S.F.
 SHOULDER EMBANKMENT = 8.3 S.F.
 TOPSOIL STRIPPING = 8.2 S.F.

CUT = 5.7 S.F.
 STRUCTURAL EMBANKMENT = 18.4 S.F.
 SHOULDER EMBANKMENT = 5.8 S.F.
 TOPSOIL STRIPPING = 8.6 S.F.

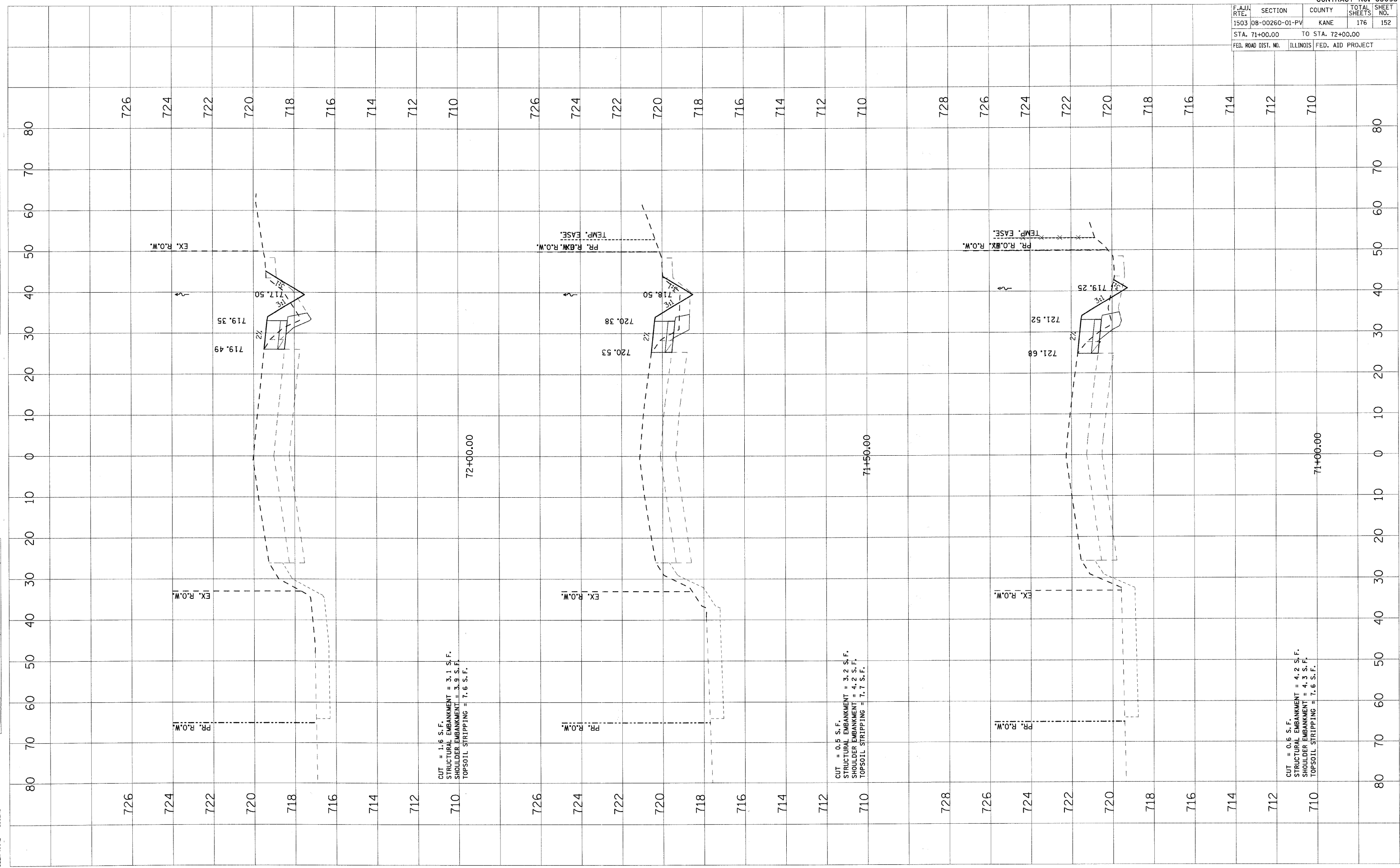
CUT = 9.8 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 0.0 S.F.
 TOPSOIL STRIPPING = 0.0 S.F.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	152
STA. 71+00.00		TO STA. 72+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SCOTTED		
AREAS CHECKED		
NO.		

PLOT DATE = 1/6/2009
 FILE NAME = H:\asurp\128089.LITR\IN\CON\ASURP\128089.PLOT
 PLOT SCALE =
 USER NAME = _USER_

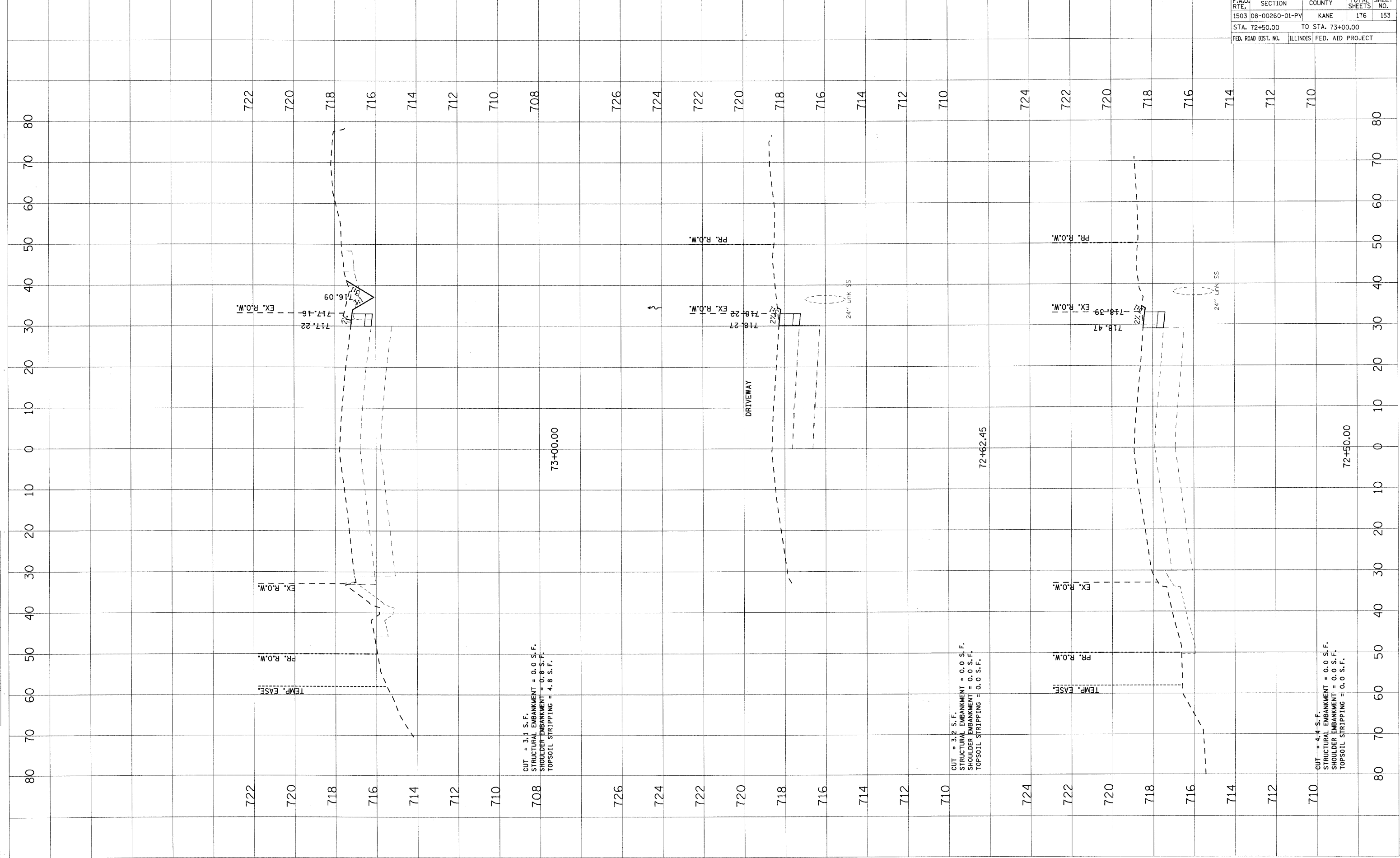


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	153
STA. 72+50.00		TO STA. 73+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
NO. BOOK	
DATE	
BY	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO. BOOK	
DATE	
BY	
AREAS CHECKED	

PLOT DATE = 1/6/2009
FILE NAME = I:\Projects\2008\11\PHOTO\INDIAN TRAIL\STAGE 1A\STAGE 1A.DWG
PLOT SCALE = 1"=40'
USER NAME = JUSER

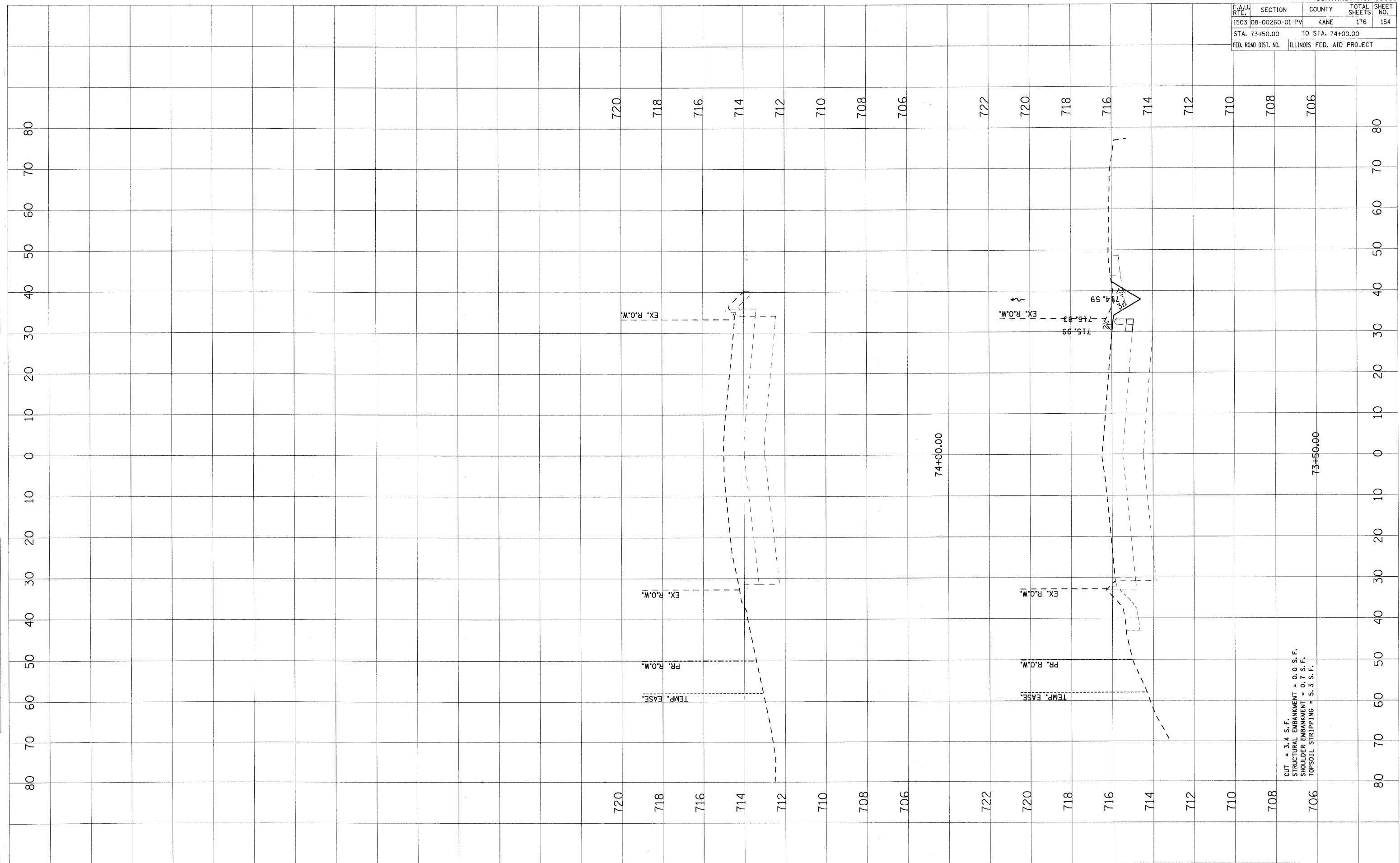


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	154
STA. 73+50.00		TO STA. 74+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

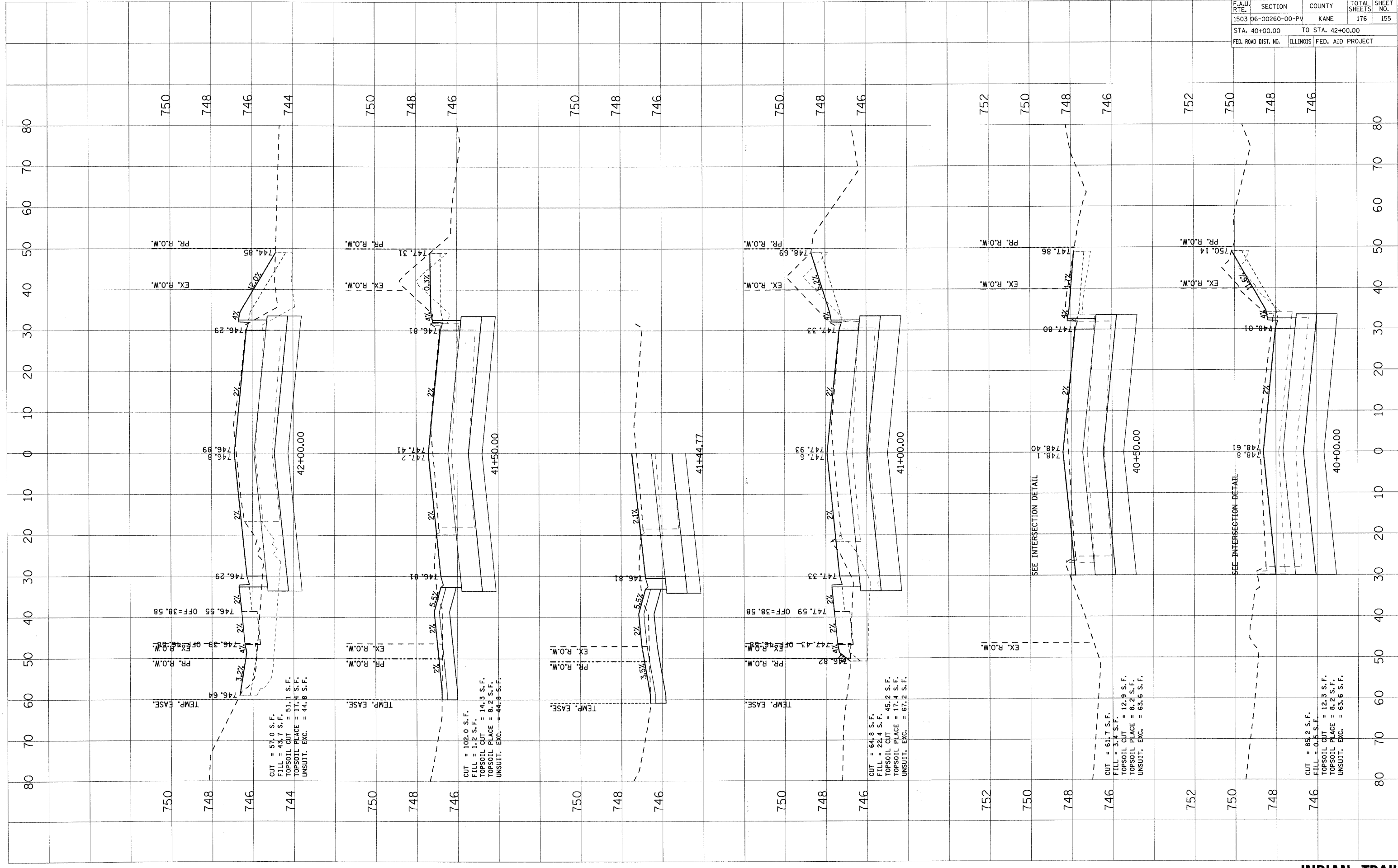
ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = 1/5/2009
 FILE NAME = H:\p\p\120889.LTP\INDIAN TRAIL\STAGE 1A.DWG
 PLOT SCALE = 1"=40'
 USER NAME = JGERL



CUT = 3.4 S.F.
 STRUCTURAL EMBANKMENT = 0.0 S.F.
 SHOULDER EMBANKMENT = 0.7 S.F.
 TOPSOIL STRIPPING = 5.3 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	155
STA. 40+00.00 TO STA. 42+00.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

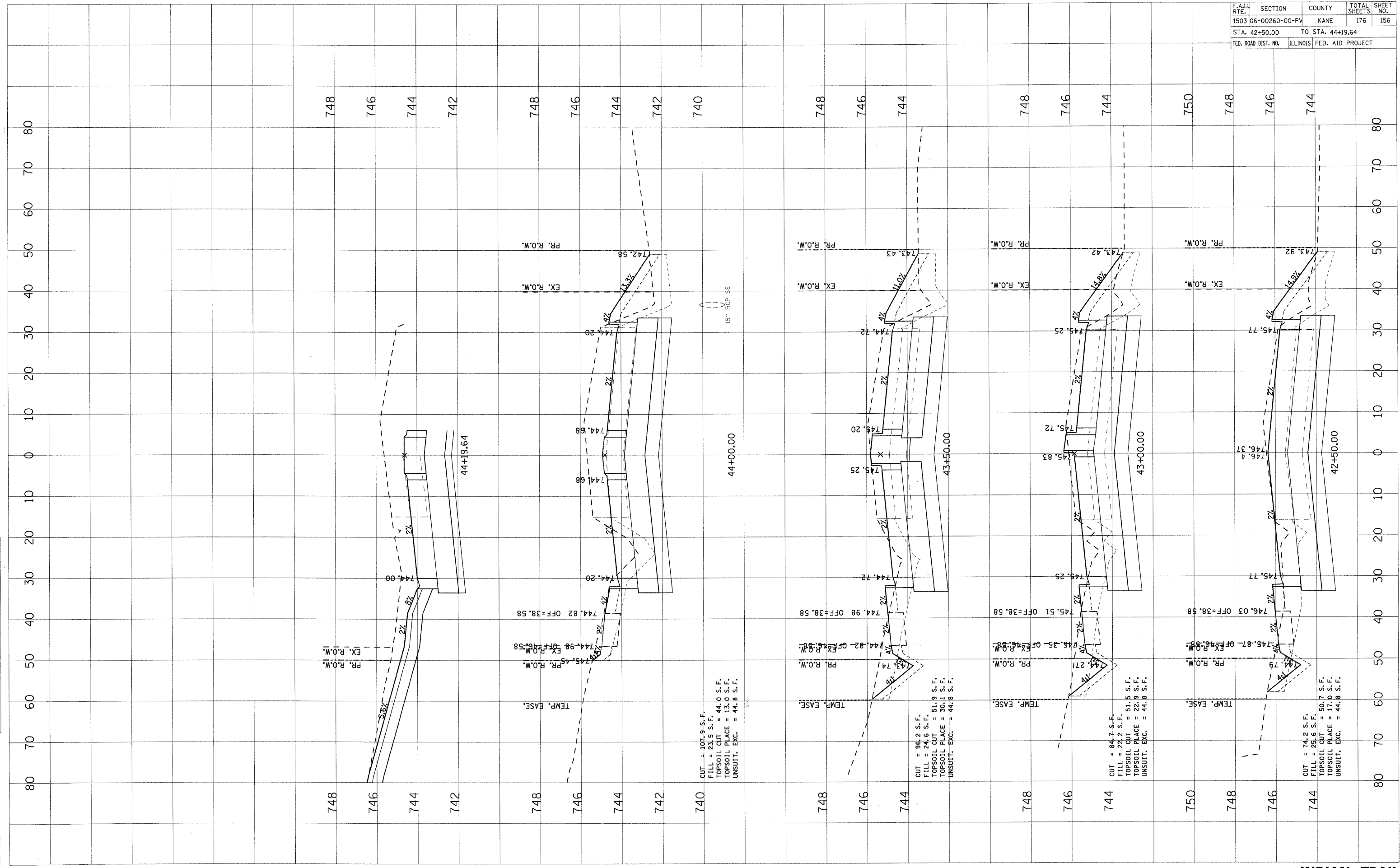


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 USER NAME = JUSER

ORIGINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 BY
 DATE

FINAL SURVEY PLOTTED DATE
 SURVEY PLOTTED DATE
 BY
 DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503 06-00260-00-PV		KANE	176	156
STA. 42+50.00		TO STA. 44+19.64		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



44+00.00
 CUT = 107.9 S.F.
 FILL = 23.5 S.F.
 TOPSOIL CUT = 44.0 S.F.
 TOPSOIL PLAGE = 13.0 S.F.
 UNSUIT. EXC. = 44.8 S.F.

43+50.00
 CUT = 96.2 S.F.
 FILL = 24.6 S.F.
 TOPSOIL CUT = 51.9 S.F.
 TOPSOIL PLAGE = 30.1 S.F.
 UNSUIT. EXC. = 44.8 S.F.

43+00.00
 CUT = 84.7 S.F.
 FILL = 22.2 S.F.
 TOPSOIL CUT = 51.5 S.F.
 TOPSOIL PLAGE = 22.9 S.F.
 UNSUIT. EXC. = 44.8 S.F.

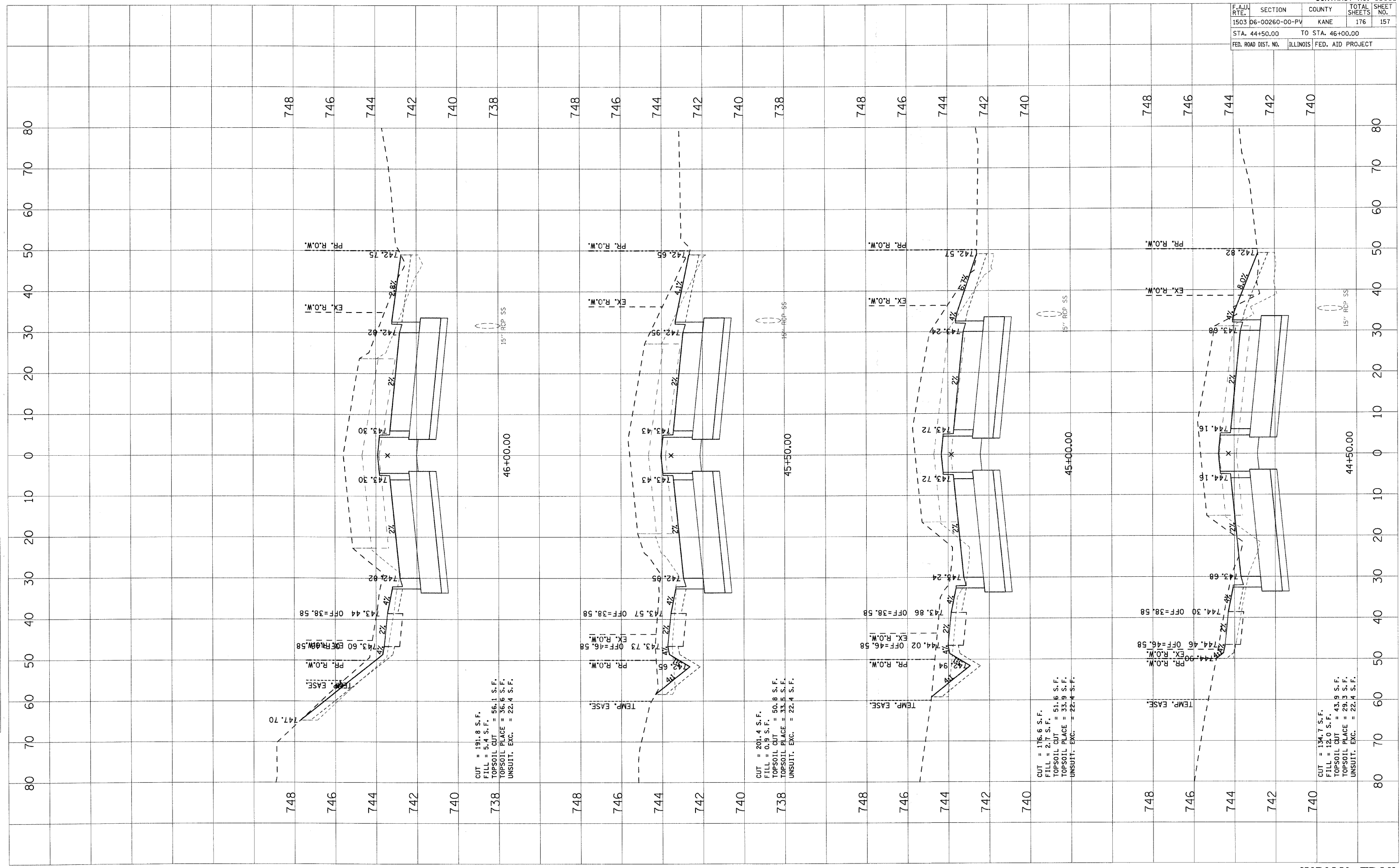
42+50.00
 CUT = 74.2 S.F.
 FILL = 25.6 S.F.
 TOPSOIL CUT = 50.7 S.F.
 TOPSOIL PLAGE = 17.0 S.F.
 UNSUIT. EXC. = 44.8 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	D6-00260-00-PV	KANE	176	157
STA. 44+50.00		TO STA. 46+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS		
AREAS CHECKED		

PLOT DATE = 1/5/2009
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 USER NAME = USER



CUT = 191.8 S.F.
 FILL = 5.4 S.F.
 TOPSOIL CUT = 56.1 S.F.
 TOPSOIL PLAGE = 36.6 S.F.
 UNSUIT. EXC. = 22.4 S.F.

CUT = 201.4 S.F.
 FILL = 0.9 S.F.
 TOPSOIL CUT = 50.8 S.F.
 TOPSOIL PLAGE = 33.5 S.F.
 UNSUIT. EXC. = 22.4 S.F.

CUT = 176.6 S.F.
 FILL = 2.7 S.F.
 TOPSOIL CUT = 51.6 S.F.
 TOPSOIL PLAGE = 33.9 S.F.
 UNSUIT. EXC. = 22.4 S.F.

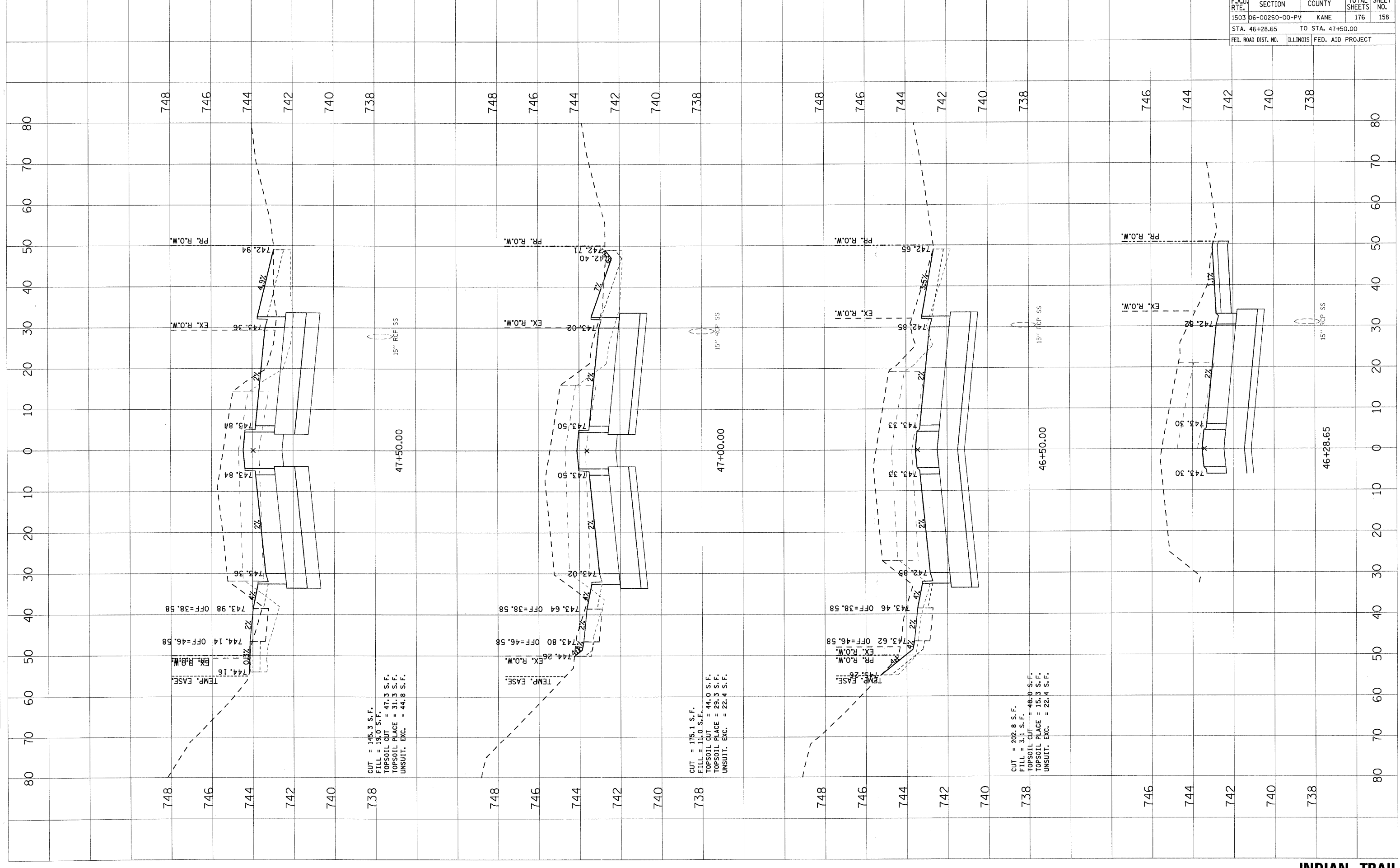
CUT = 134.7 S.F.
 FILL = 12.0 S.F.
 TOPSOIL CUT = 43.9 S.F.
 TOPSOIL PLAGE = 29.3 S.F.
 UNSUIT. EXC. = 22.4 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503 06-00260-00-PV		KANE	176	158
STA. 46+28.65		TO STA. 47+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

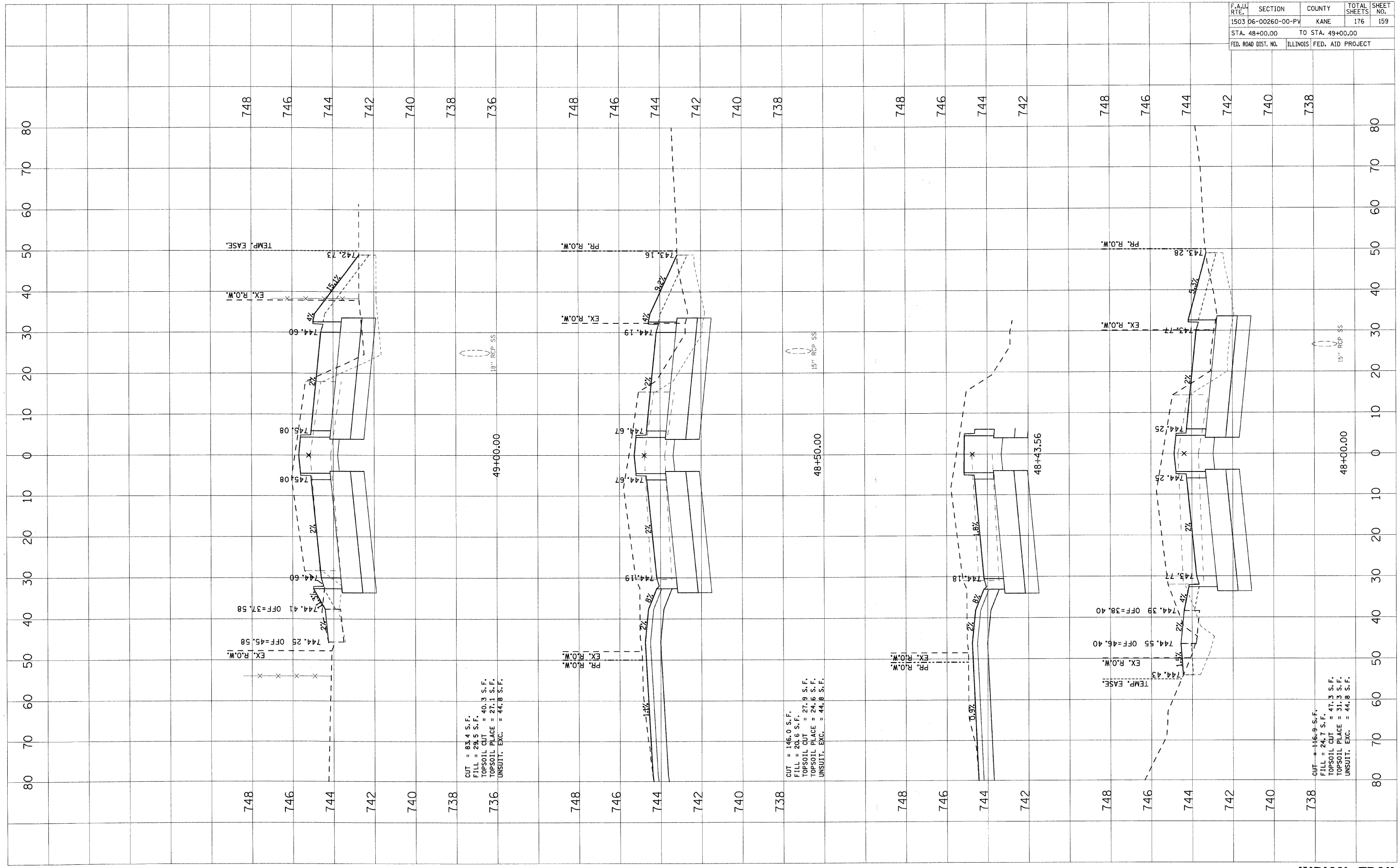
FINAL SURVEY	BY	DATE
PROTECTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PROTECTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

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 USER NAME = _USER_



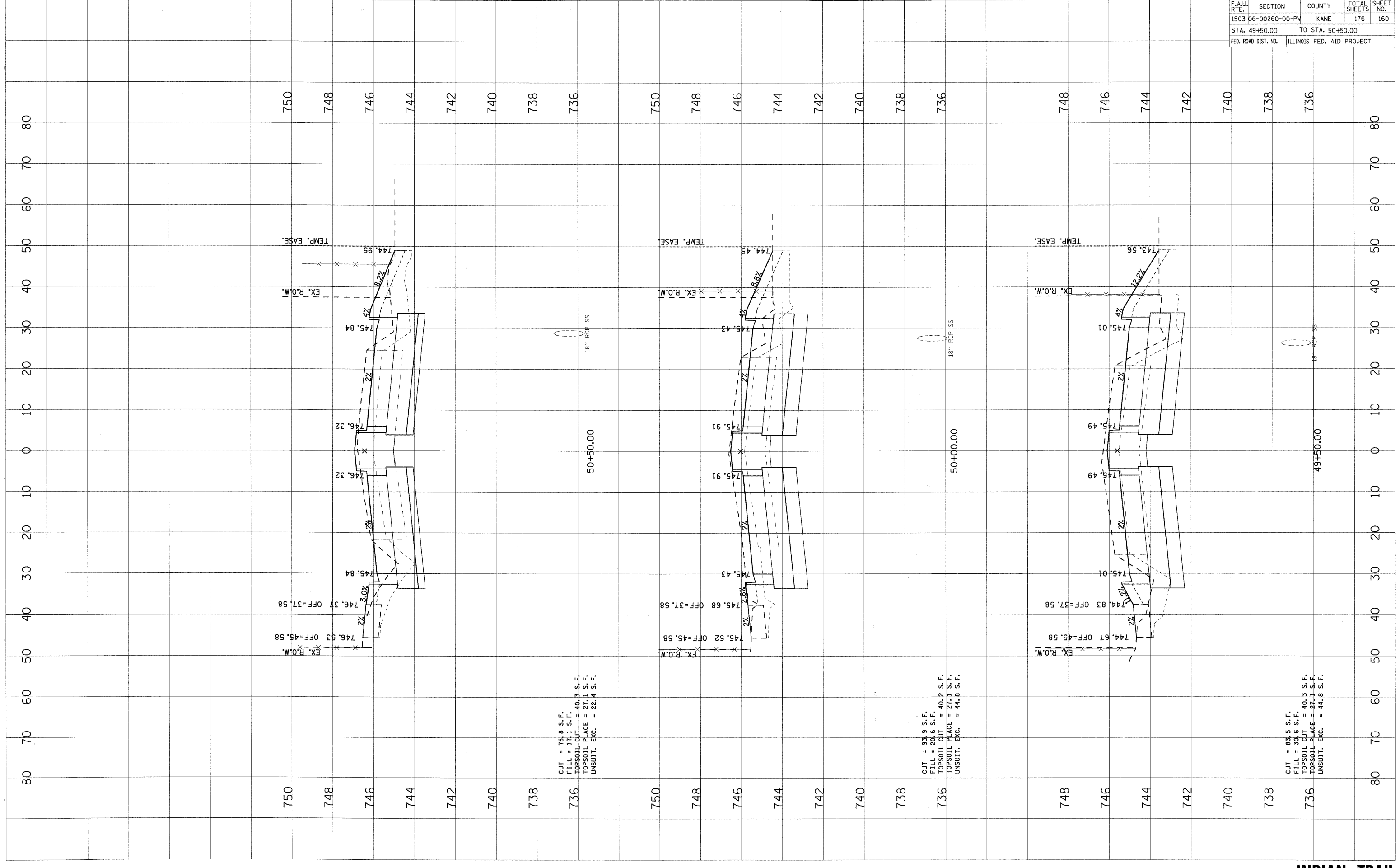
CONTRACT NO. 63095	
F.A.I.U. RTE.	SECTION
1503 06-00260-00-PV	KANE
COUNTY	TOTAL SHEETS
176	159
STA. 48+00.00	TO STA. 49+00.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



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 USER NAME = USER.

ORIGINAL SURVEY PLOTTED AREAS CHECKED
 BY: DATE:

FINAL SURVEY PLOTTED AREAS CHECKED
 BY: DATE:



CUT = 75.8 S.F.
 FILL = 17.1 S.F.
 TOPSOIL CUT = 40.3 S.F.
 TOPSOIL PLAGE = 27.1 S.F.
 UNSUIT. EXC. = 22.4 S.F.

CUT = 93.9 S.F.
 FILL = 20.6 S.F.
 TOPSOIL CUT = 40.2 S.F.
 TOPSOIL PLAGE = 27.1 S.F.
 UNSUIT. EXC. = 44.8 S.F.

CUT = 83.5 S.F.
 FILL = 30.6 S.F.
 TOPSOIL CUT = 40.3 S.F.
 TOPSOIL PLAGE = 27.1 S.F.
 UNSUIT. EXC. = 44.8 S.F.

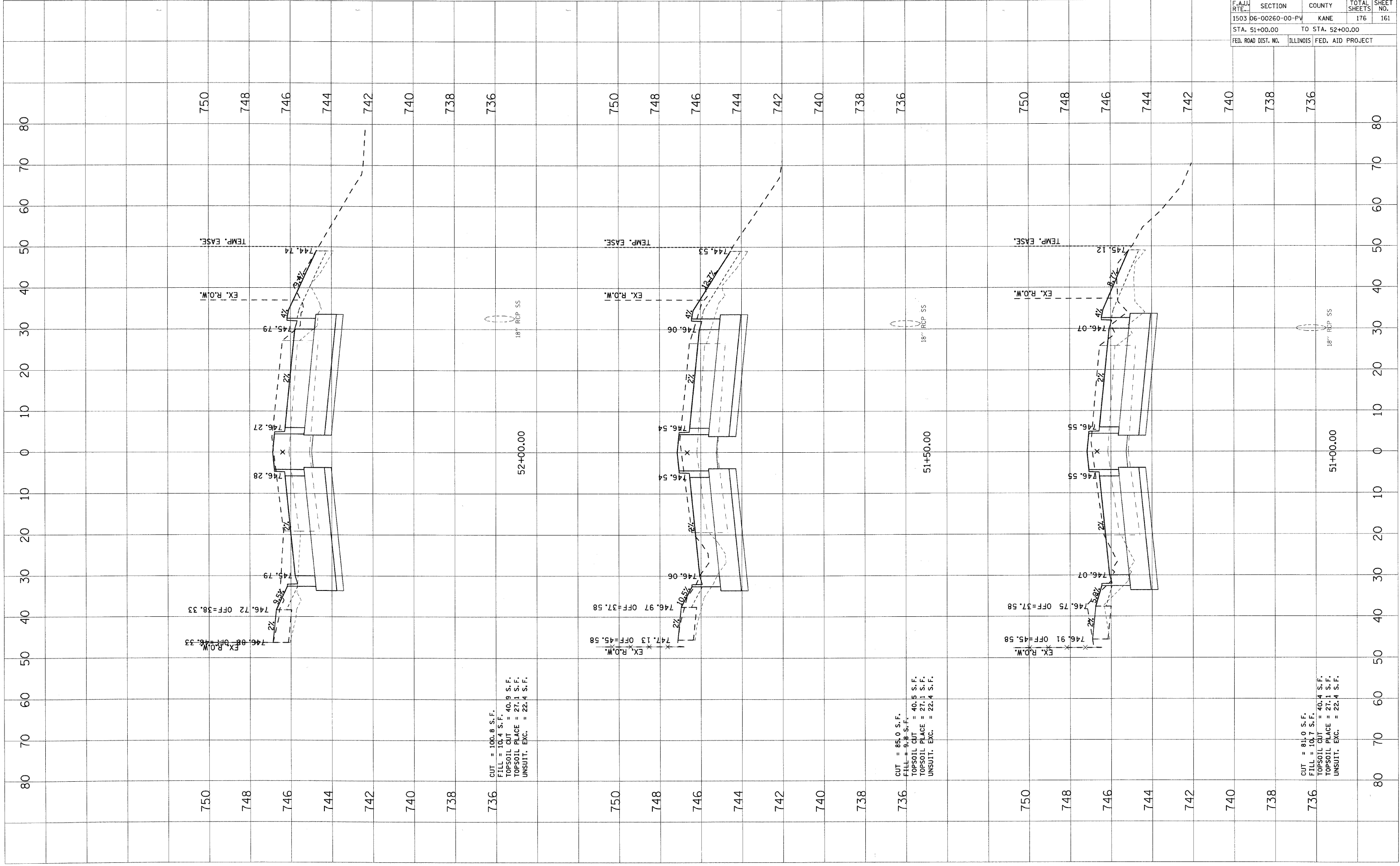
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	160
STA. 49+50.00		TO STA. 50+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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PLOT SCALE = 1"=40'
USER NAME = USER

ORIGINAL SURVEYED
SURVEY PLOTTED
NOTE BOOK AREAS
NO. AREAS CHECKED

FINAL SURVEYED
SURVEY PLOTTED
NOTE BOOK AREAS
NO. AREAS CHECKED

BY DATE



F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	161
STA. 51+00.00		TO STA. 52+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CUT = 100.8 S.F.
FILL = 10.4 S.F.
TOPSOIL CUT = 40.9 S.F.
TOPSOIL PLACE = 27.1 S.F.
UNSUIT. EXC. = 22.4 S.F.

CUT = 85.0 S.F.
FILL = 9.8 S.F.
TOPSOIL CUT = 40.5 S.F.
TOPSOIL PLACE = 27.1 S.F.
UNSUIT. EXC. = 22.4 S.F.

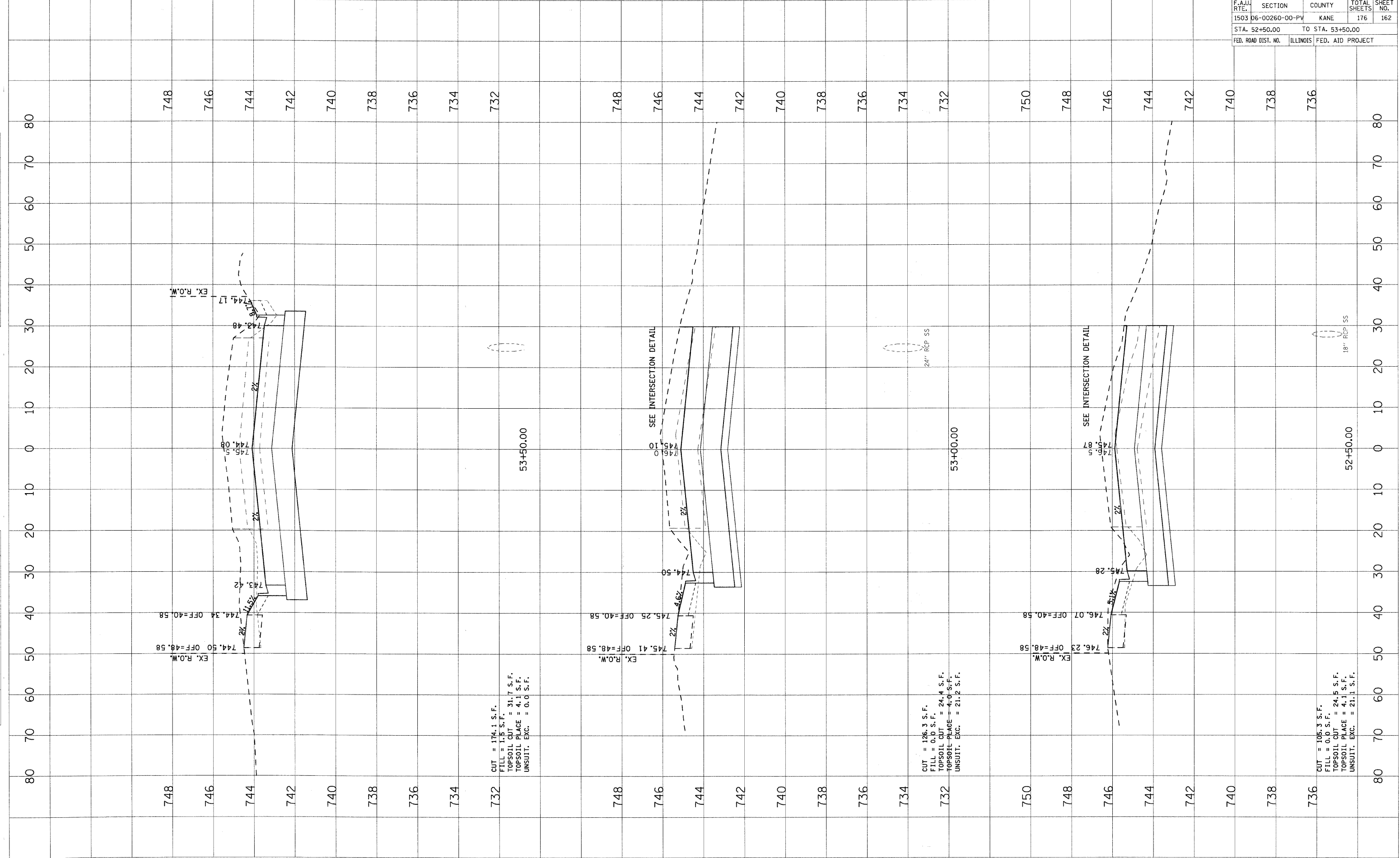
CUT = 81.0 S.F.
FILL = 10.7 S.F.
TOPSOIL CUT = 40.4 S.F.
TOPSOIL PLACE = 27.1 S.F.
UNSUIT. EXC. = 22.4 S.F.

FINAL SURVEY
 SURVEYED BY: _____
 DATE: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____

ORIGINAL SURVEY
 SURVEYED BY: _____
 DATE: _____
 PLOTTED BY: _____
 NO.: _____
 AREAS CHECKED: _____

PLOT DATE = 1/5/2009
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 USER NAME = JISERL

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	162
STA. 52+50.00		TO STA. 53+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CUT = 174.1 S.F.
 FILL = 1.5 S.F.
 TOPSOIL CUT = 31.7 S.F.
 TOPSOIL PLACE = 4.1 S.F.
 UNSUIT. EXC. = 0.0 S.F.

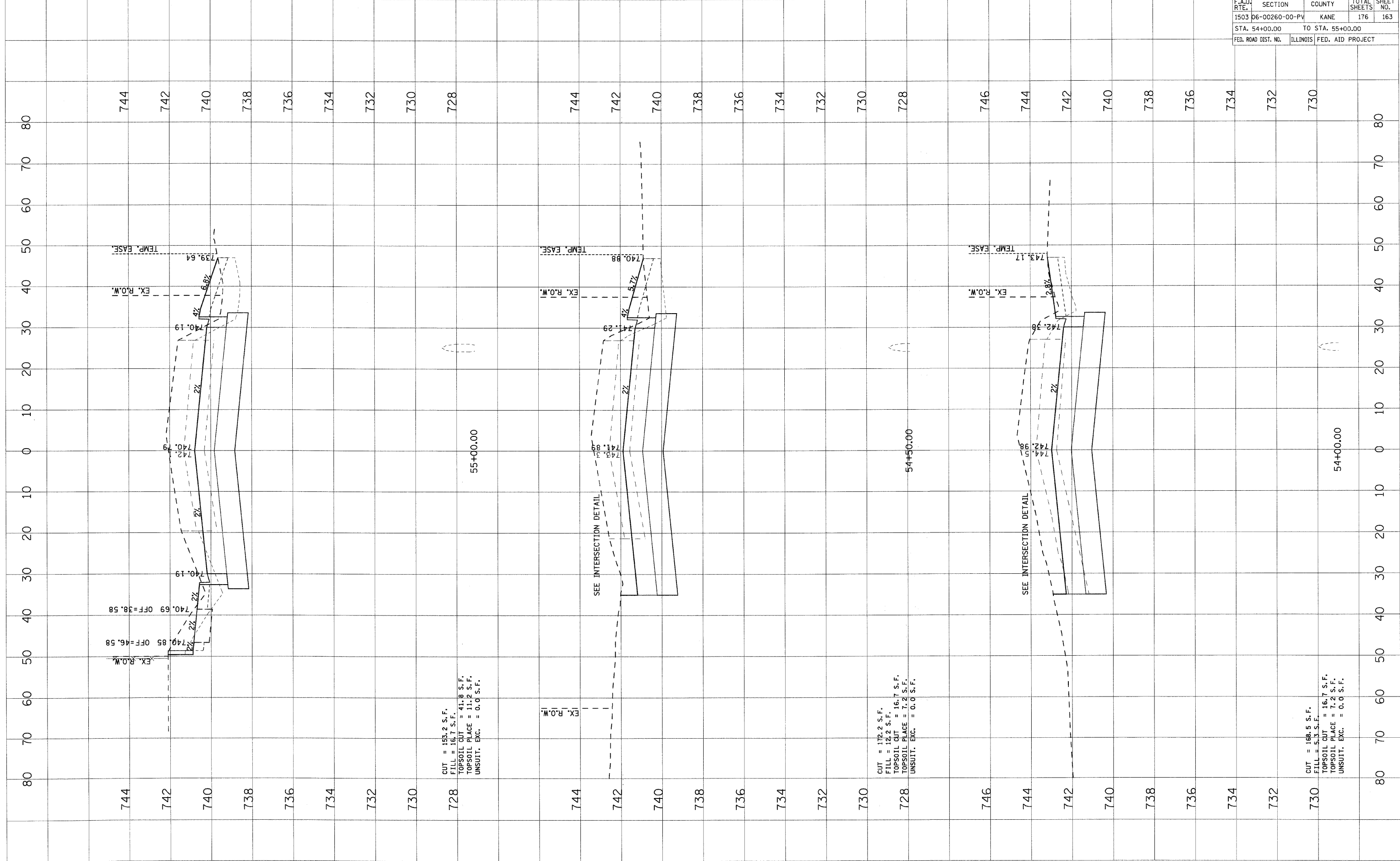
CUT = 126.3 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 24.4 S.F.
 TOPSOIL PLACE = 4.0 S.F.
 UNSUIT. EXC. = 21.2 S.F.

CUT = 105.3 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 24.5 S.F.
 TOPSOIL PLACE = 4.1 S.F.
 UNSUIT. EXC. = 21.1 S.F.

PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40'
 USER NAME = JUSER

ORIGINAL SURVEYED SURVEYED
 SHEET PLOTTED PLOTTED
 NO. DATE DATE

FINAL SURVEYED SURVEYED
 NOTE BOOK PLOTTED PLOTTED
 NO. DATE DATE



CUT = 153.2 S.F.
 FILL = 16.7 S.F.
 TOPSOIL CUT = 41.8 S.F.
 TOPSOIL PLACE = 11.2 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 172.2 S.F.
 FILL = 12.2 S.F.
 TOPSOIL CUT = 16.7 S.F.
 TOPSOIL PLACE = 7.2 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 168.5 S.F.
 FILL = 5.3 S.F.
 TOPSOIL CUT = 16.7 S.F.
 TOPSOIL PLACE = 7.2 S.F.
 UNSUIT. EXC. = 0.0 S.F.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	163
STA. 54+00.00		TO STA. 55+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

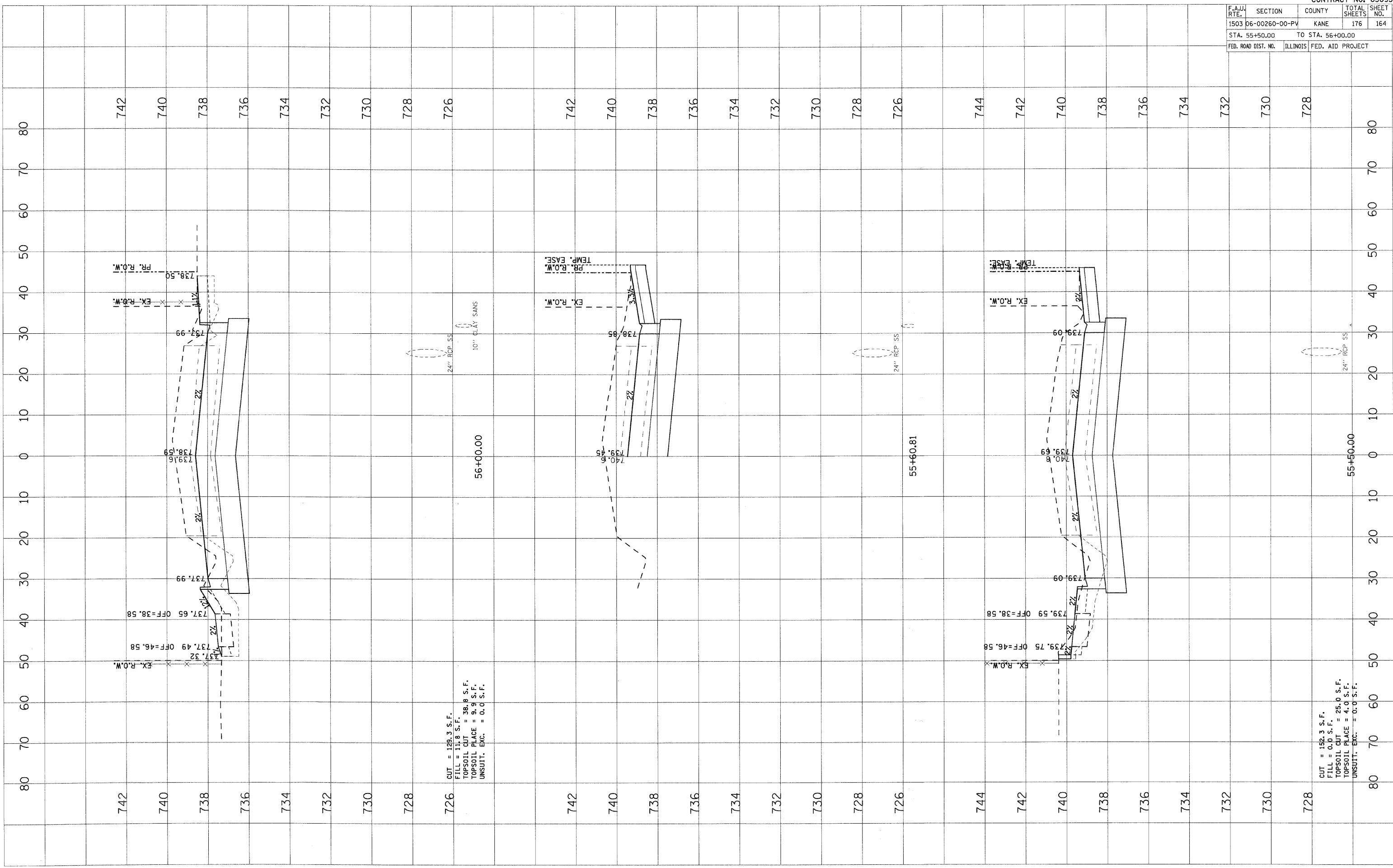
BY		DATE

BY		DATE

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SHEET PLOTTED	PLOTTED
TEMPLATE	FORM
NO.	NO.
AREAS CHECKED	AREAS CHECKED

FINAL SURVEY	SURVEYED
NOTE BOOK	NOTED
FORM LATE	FORM
NO.	NO.
AREAS CHECKED	AREAS CHECKED



CUT = 129.3 S.F.
FILL = 11.8 S.F.
TOPSOIL CUT = 38.8 S.F.
TOPSOIL PLAGE = 9.9 S.F.
UNSOILT. EXC. = 0.0 S.F.

CUT = 152.3 S.F.
FILL = 0.0 S.F.
TOPSOIL CUT = 25.0 S.F.
TOPSOIL PLAGE = 4.0 S.F.
UNSOILT. EXC. = 0.0 S.F.

CONTRACT NO. 63095				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	164
STA. 55+50.00		TO STA. 56+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

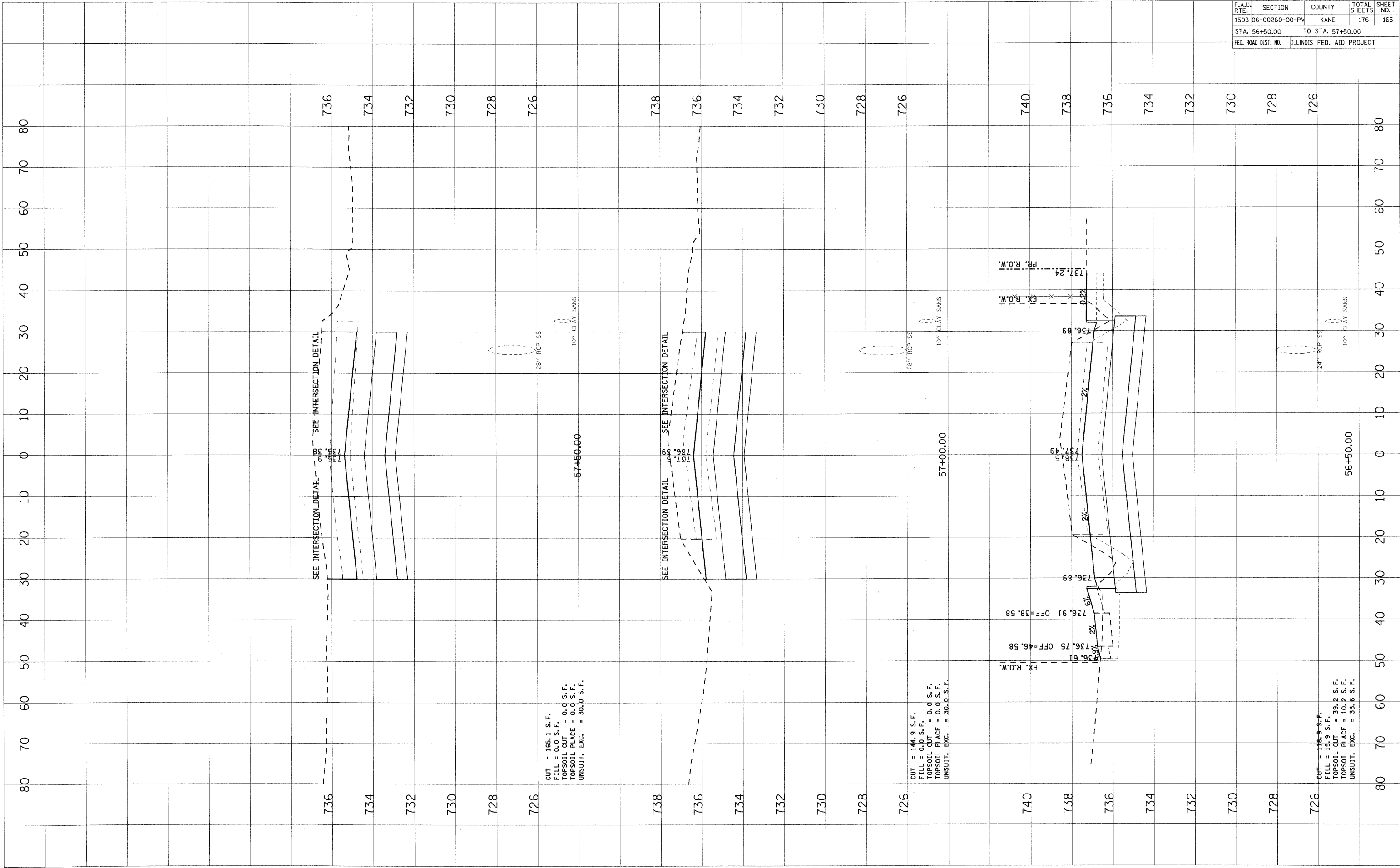
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

CONTRACT NO. 63095

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	165
STA. 56+50.00		TO STA. 57+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CUT = 165.1 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 0.0 S.F.
 TOPSOIL PLACE = 0.0 S.F.
 UNSUIT. EXC. = 30.0 S.F.

CUT = 144.9 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 0.0 S.F.
 TOPSOIL PLACE = 0.0 S.F.
 UNSUIT. EXC. = 30.0 S.F.

CUT = 118.9 S.F.
 FILL = 15.9 S.F.
 TOPSOIL CUT = 39.2 S.F.
 TOPSOIL PLACE = 10.2 S.F.
 UNSUIT. EXC. = 33.6 S.F.

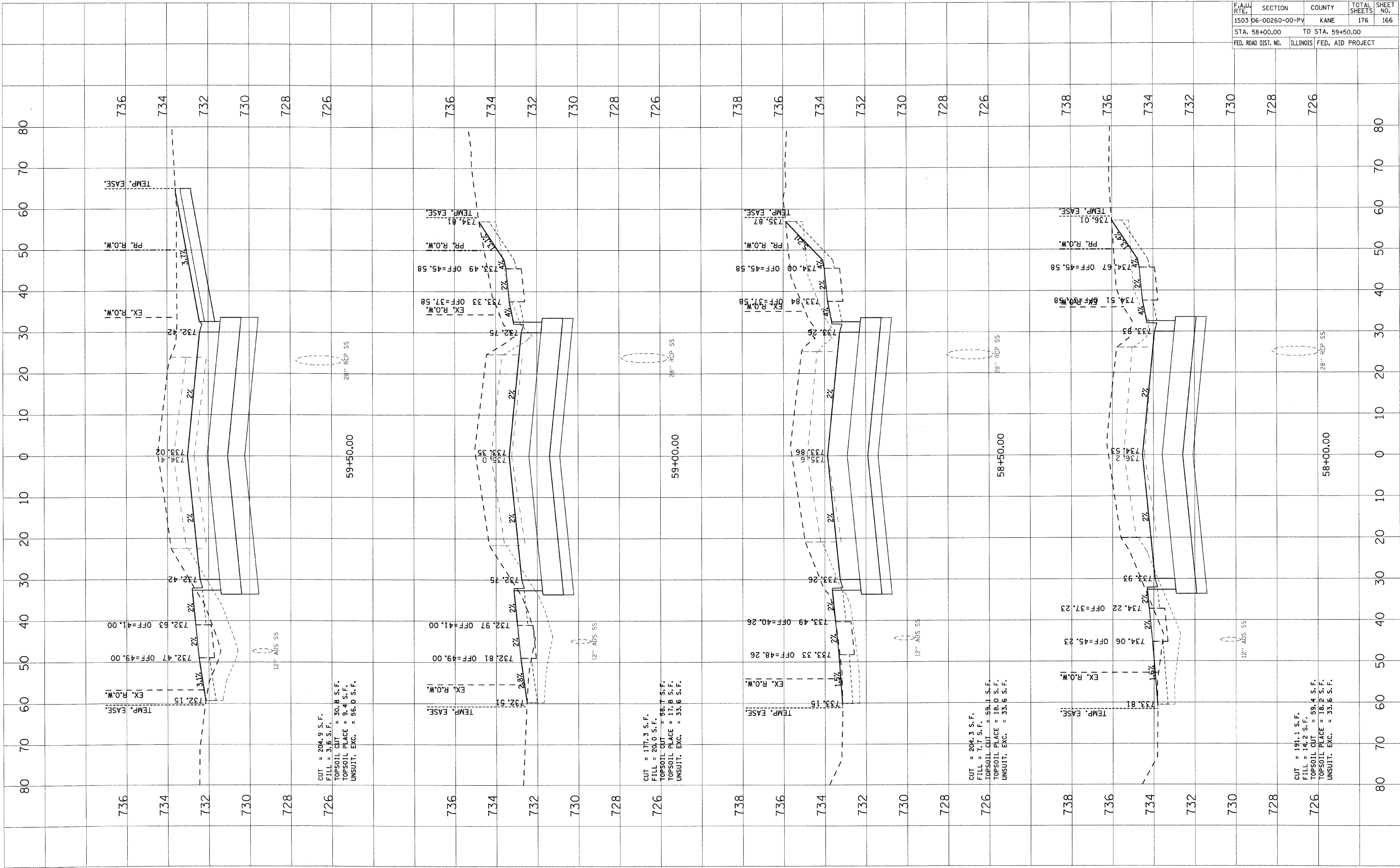
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ORIGINAL SURVEYED SURVEYED
 SURVEY PLOTTED PLOTTED
 NOTE BOOK TEMPLATE TEMPLATE
 AREAS AREAS
 CHECKED CHECKED

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

CONTRACT NO. 63095

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	166
STA. 58+00.00		TO STA. 59+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CUT = 204.9 S.F.
 FILL = 3.6 S.F.
 TOPSOIL CUT = 30.8 S.F.
 TOPSOIL PLAGE = 9.4 S.F.
 UNSUIT. EXC. = 56.0 S.F.

CUT = 177.3 S.F.
 FILL = 20.0 S.F.
 TOPSOIL CUT = 58.7 S.F.
 TOPSOIL PLAGE = 17.8 S.F.
 UNSUIT. EXC. = 33.6 S.F.

CUT = 204.3 S.F.
 FILL = 7.7 S.F.
 TOPSOIL CUT = 59.1 S.F.
 TOPSOIL PLAGE = 18.0 S.F.
 UNSUIT. EXC. = 33.6 S.F.

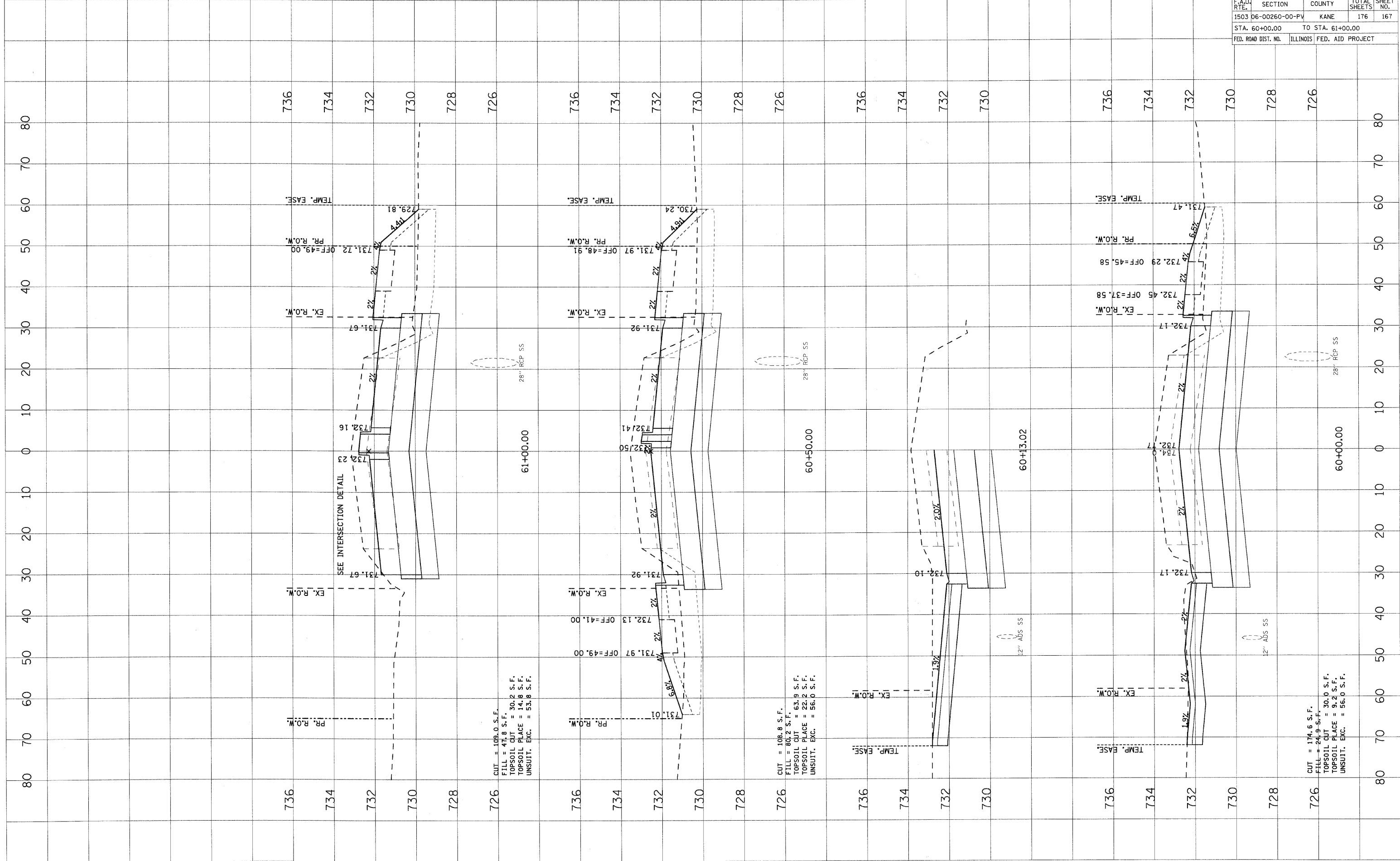
CUT = 191.1 S.F.
 FILL = 14.2 S.F.
 TOPSOIL CUT = 59.4 S.F.
 TOPSOIL PLAGE = 18.2 S.F.
 UNSUIT. EXC. = 33.6 S.F.

INDIAN TRAIL

PLOT DATE = 1/5/2009
 USER NAME = USER

ORIGINAL SURVEYED
 SURVEY PLOTTED
 DATE
 BY
 NO.

FINAL SURVEYED
 SURVEY PLOTTED
 DATE
 BY
 NO.



CUT = 109.0 S.F.
 FILL = 47.8 S.F.
 TOPSOIL CUT = 30.2 S.F.
 TOPSOIL PLAGE = 14.8 S.F.
 UNSUIT. EXC. = 53.8 S.F.

CUT = 108.8 S.F.
 FILL = 80.2 S.F.
 TOPSOIL CUT = 63.9 S.F.
 TOPSOIL PLAGE = 22.2 S.F.
 UNSUIT. EXC. = 56.0 S.F.

CUT = 174.6 S.F.
 FILL = 24.9 S.F.
 TOPSOIL CUT = 30.0 S.F.
 TOPSOIL PLAGE = 9.2 S.F.
 UNSUIT. EXC. = 56.0 S.F.

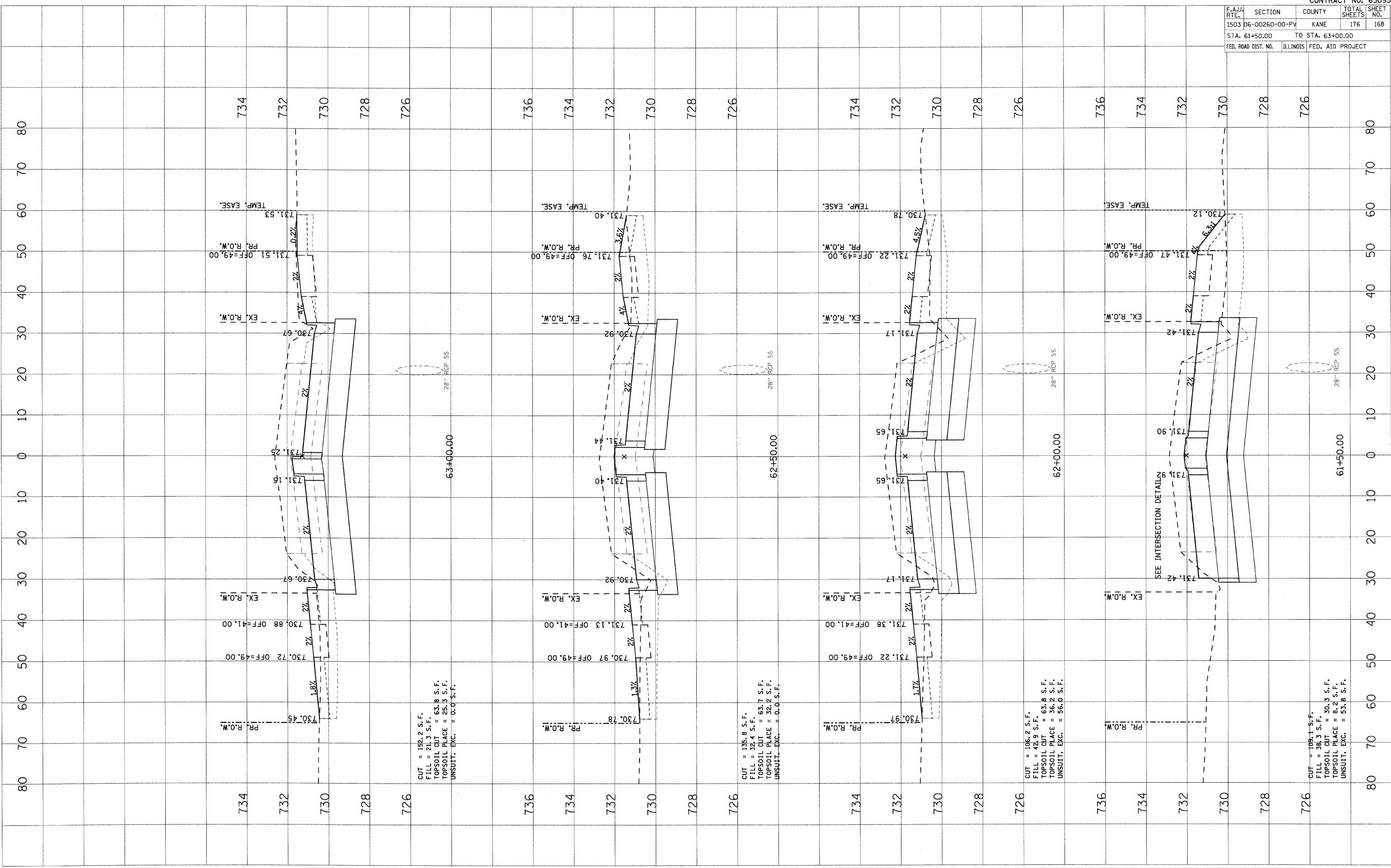
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	167
STA. 60+00.00 TO STA. 61+00.00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	168
STA. 61+50.00		TO STA. 63+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CUT = 152.2 S.F.
 FILL = 21.3 S.F.
 TOPSOIL CUT = 63.8 S.F.
 TOPSOIL PLACE = 25.3 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 135.8 S.F.
 FILL = 32.4 S.F.
 TOPSOIL CUT = 63.7 S.F.
 TOPSOIL PLACE = 32.2 S.F.
 UNSUIT. EXC. = 0.0 S.F.

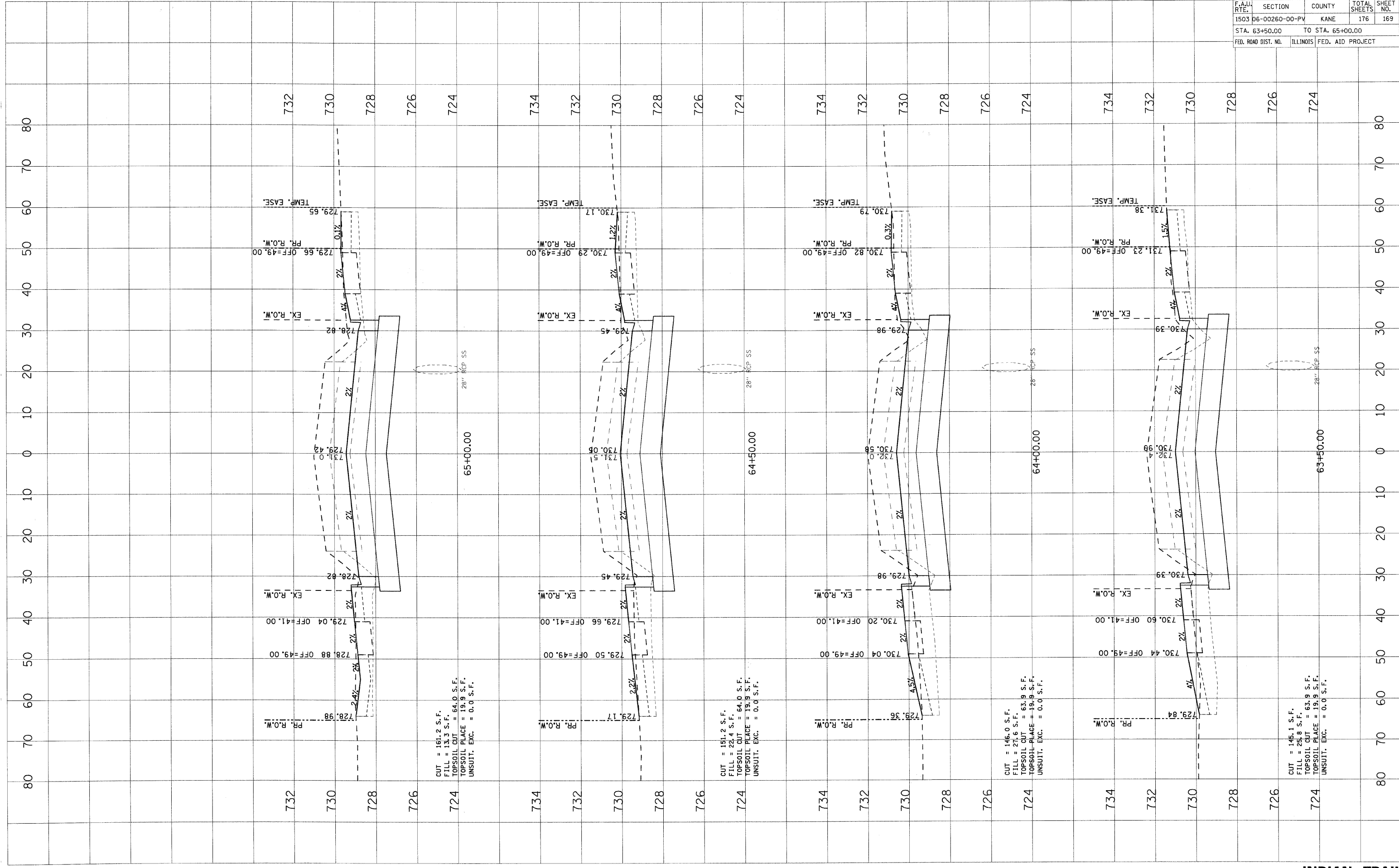
CUT = 106.2 S.F.
 FILL = 42.9 S.F.
 TOPSOIL CUT = 63.8 S.F.
 TOPSOIL PLACE = 36.2 S.F.
 UNSUIT. EXC. = 56.0 S.F.

CUT = 109.1 S.F.
 FILL = 38.3 S.F.
 TOPSOIL CUT = 30.3 S.F.
 TOPSOIL PLACE = 8.2 S.F.
 UNSUIT. EXC. = 53.8 S.F.

PLOT DATE = 1/5/2009
PLOT USER = H:\Users\j28099.ITP\AutoCAD\j28099

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

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



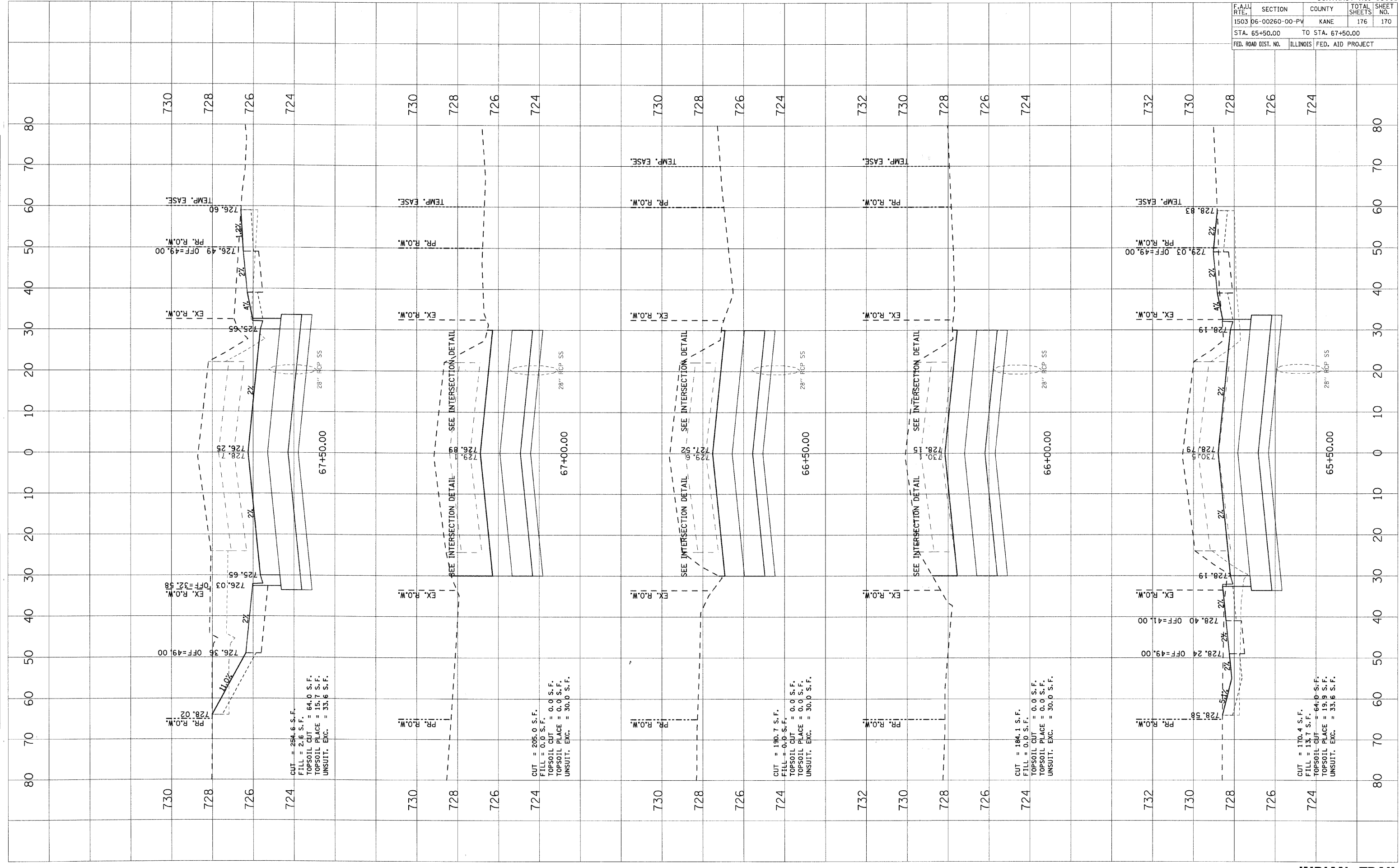
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	169
STA. 63+50.00		TO STA. 65+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

PLOT DATE = 1/5/2009
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 PLOT SCALE = 1"=40'
 USER NAME = JUSER

CONTRACT NO. 63095	
F.A.U. RTE.	SECTION
1503	06-00260-00-PV
COUNTY	TOTAL SHEETS
KANE	176
SHEET NO. 170	
STA. 65+50.00	TO STA. 67+50.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



CUT = 254.6 S.F.
 FILL = 2.6 S.F.
 TOPSOIL CUT = 64.0 S.F.
 TOPSOIL PLACE = 15.7 S.F.
 UNSUIT. EXC. = 33.6 S.F.

CUT = 205.0 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 0.0 S.F.
 TOPSOIL PLACE = 0.0 S.F.
 UNSUIT. EXC. = 30.0 S.F.

CUT = 190.7 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 0.0 S.F.
 TOPSOIL PLACE = 0.0 S.F.
 UNSUIT. EXC. = 30.0 S.F.

CUT = 184.1 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 0.0 S.F.
 TOPSOIL PLACE = 0.0 S.F.
 UNSUIT. EXC. = 30.0 S.F.

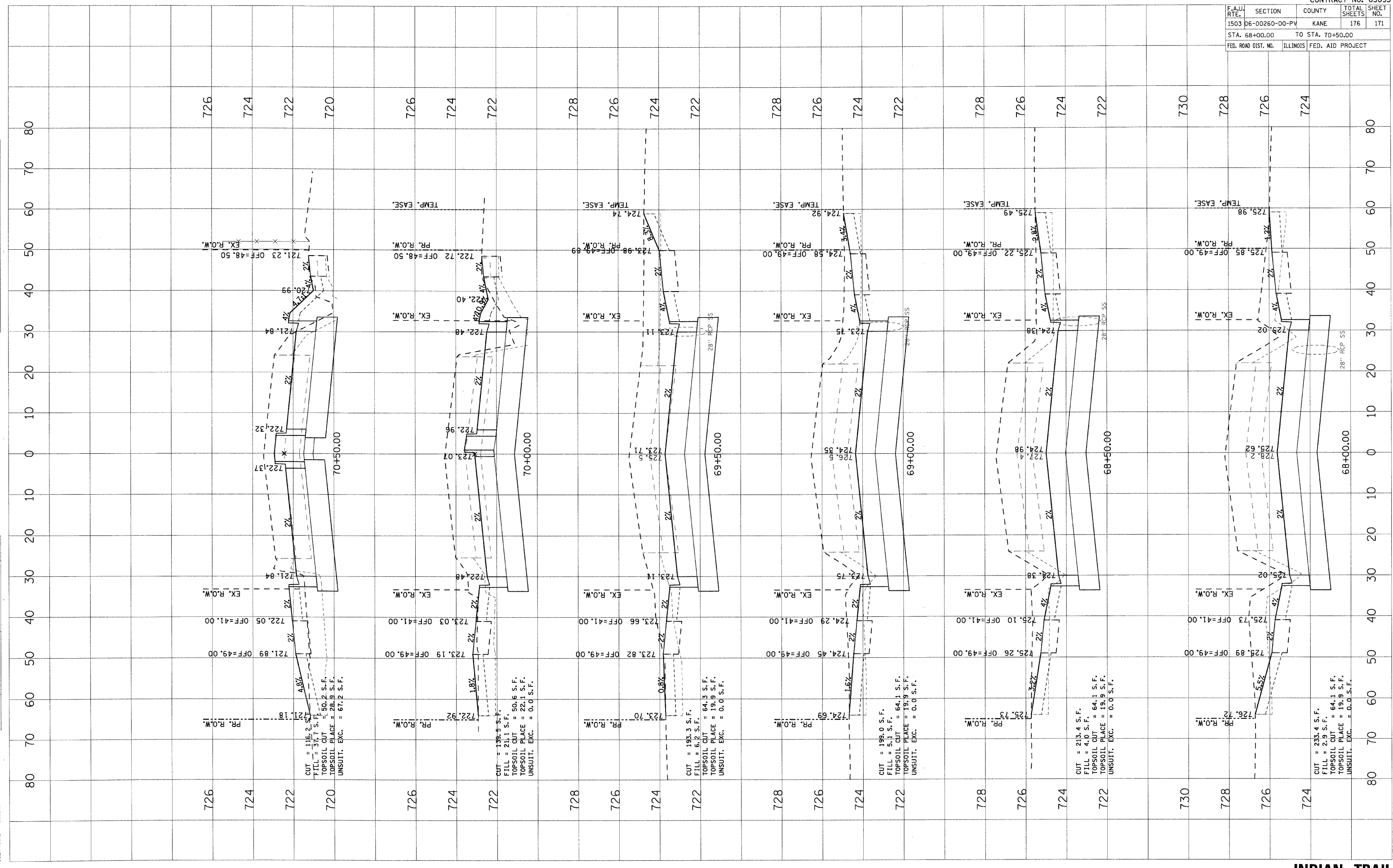
CUT = 170.4 S.F.
 FILL = 13.7 S.F.
 TOPSOIL CUT = 64.0 S.F.
 TOPSOIL PLACE = 19.9 S.F.
 UNSUIT. EXC. = 33.6 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	171
STA. 68+00.00		TO STA. 70+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEYED	BY	DATE
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEYED	BY	DATE
PLOTTED		
AREAS CHECKED		

PLOT DATE = 1/6/2009
 FILE NAME = H:\a\c\120895.LIT\PL\INDIAN TRAIL\INDIAN TRAIL.dwg
 PLOT SCALE = 1"=40'
 USER NAME = USER.



CUT = 116.2 S.F.
 FILL = 37.7 S.F.
 TOPSOIL CUT = 50.2 S.F.
 TOPSOIL PLACE = 28.9 S.F.
 UNSUIT. EXC. = 67.2 S.F.

CUT = 139.5 S.F.
 FILL = 21.1 S.F.
 TOPSOIL CUT = 50.6 S.F.
 TOPSOIL PLACE = 22.1 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 183.3 S.F.
 FILL = 6.2 S.F.
 TOPSOIL CUT = 64.3 S.F.
 TOPSOIL PLACE = 19.9 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 198.0 S.F.
 FILL = 5.1 S.F.
 TOPSOIL CUT = 64.1 S.F.
 TOPSOIL PLACE = 19.9 S.F.
 UNSUIT. EXC. = 0.0 S.F.

CUT = 213.4 S.F.
 FILL = 4.0 S.F.
 TOPSOIL CUT = 64.1 S.F.
 TOPSOIL PLACE = 19.9 S.F.
 UNSUIT. EXC. = 0.0 S.F.

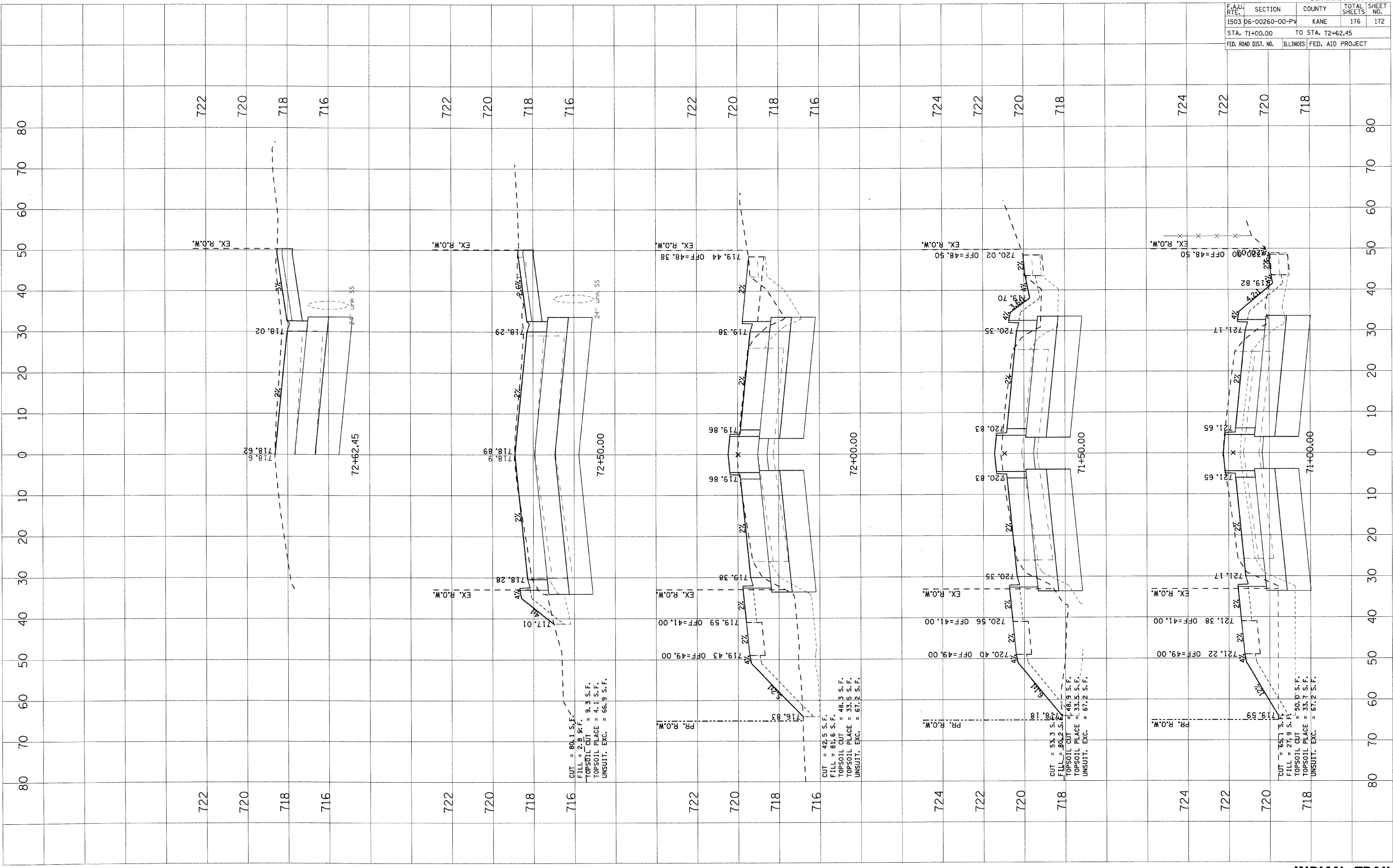
CUT = 233.4 S.F.
 FILL = 2.9 S.F.
 TOPSOIL CUT = 64.1 S.F.
 TOPSOIL PLACE = 19.9 S.F.
 UNSUIT. EXC. = 0.0 S.F.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	06-00260-00-PV	KANE	176	172
STA. 71+00.00		TO STA. 72+62.45		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

PLOT DATE = 1/5/2009
 PLOT SCALE = 1"=40.0'
 USER NAME = USER

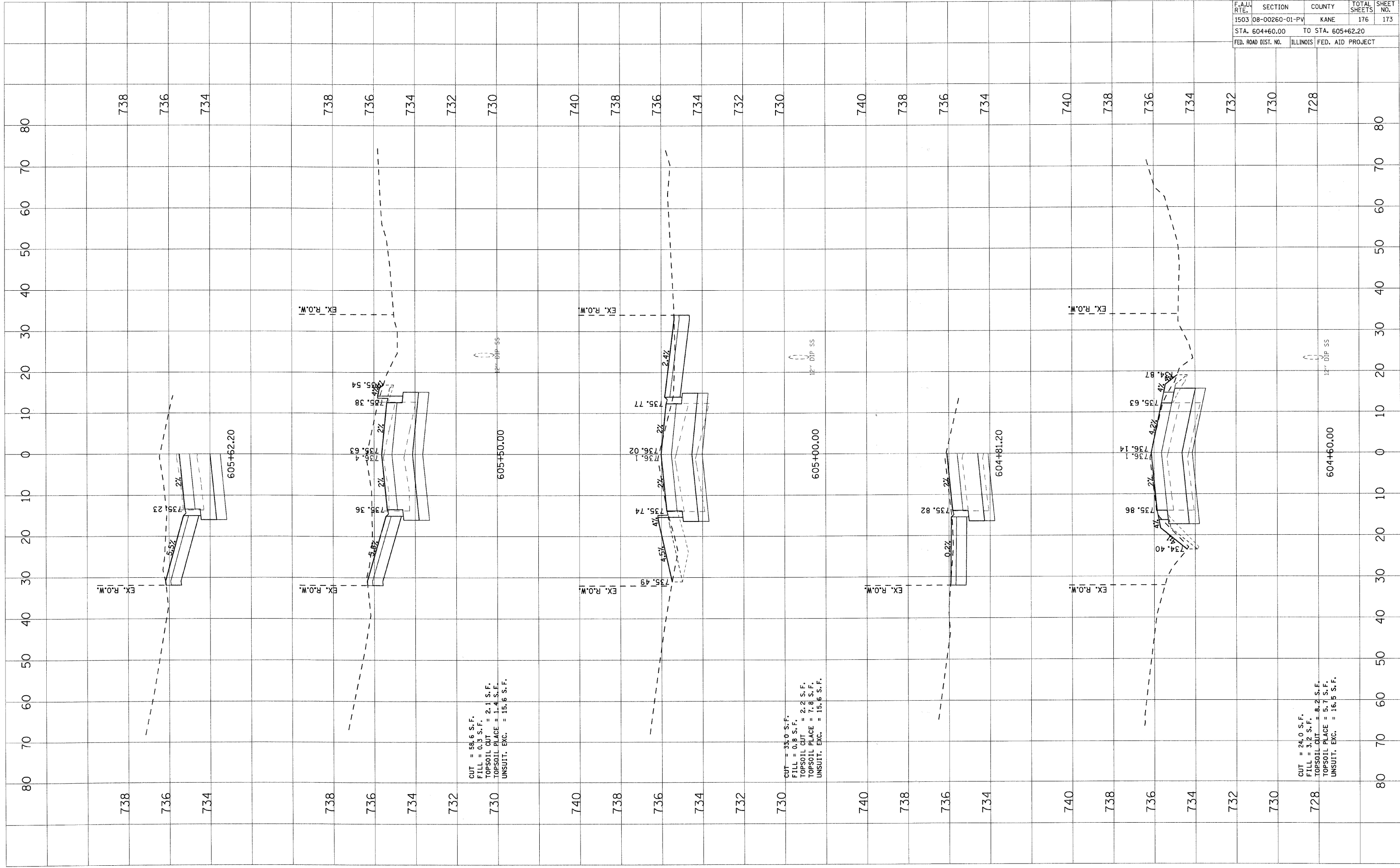


PLOT DATE = 1/5/2005
 PLOT SCALE = 1/4"=10'-0"
 USER NAME = USER

ORIGINAL SURVEY BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

FINAL SURVEY BY DATE
 PLOTTED BY DATE
 NO. AREAS CHECKED

F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503		08-00260-01-PV	KANE	176	173
STA. 604+60.00		TO STA. 605+62.20			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



CUT = 88.6 S.F.
 FILL = 0.3 S.F.
 TOPSOIL CUT = 2.1 S.F.
 TOPSOIL PLACE = 1.4 S.F.
 UNSUIT. EXC. = 15.6 S.F.

CUT = 33.0 S.F.
 FILL = 0.8 S.F.
 TOPSOIL CUT = 2.2 S.F.
 TOPSOIL PLACE = 7.8 S.F.
 UNSUIT. EXC. = 15.6 S.F.

CUT = 24.0 S.F.
 FILL = 3.2 S.F.
 TOPSOIL CUT = 8.2 S.F.
 TOPSOIL PLACE = 5.7 S.F.
 UNSUIT. EXC. = 16.5 S.F.

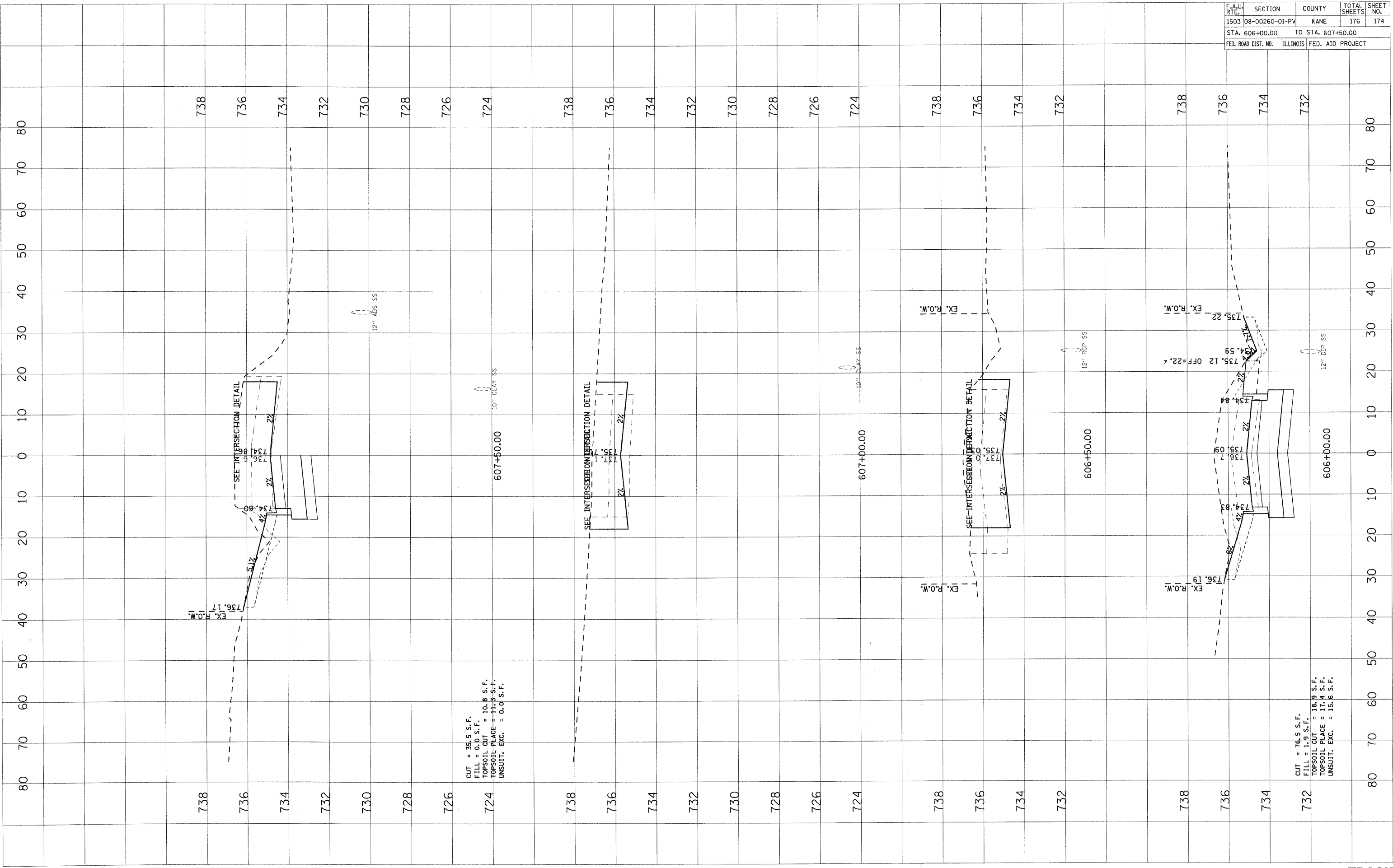
PLOT DATE = 1/25/2009
 USER NAME = USER

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

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

CONTRACT NO. 63095

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	174
STA. 606+00.00		TO STA. 607+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CUT = 35.5 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 10.8 S.F.
 TOPSOIL PLAGE = 11.3 S.F.
 UNSUIT. EXC. = 0.0 S.F.

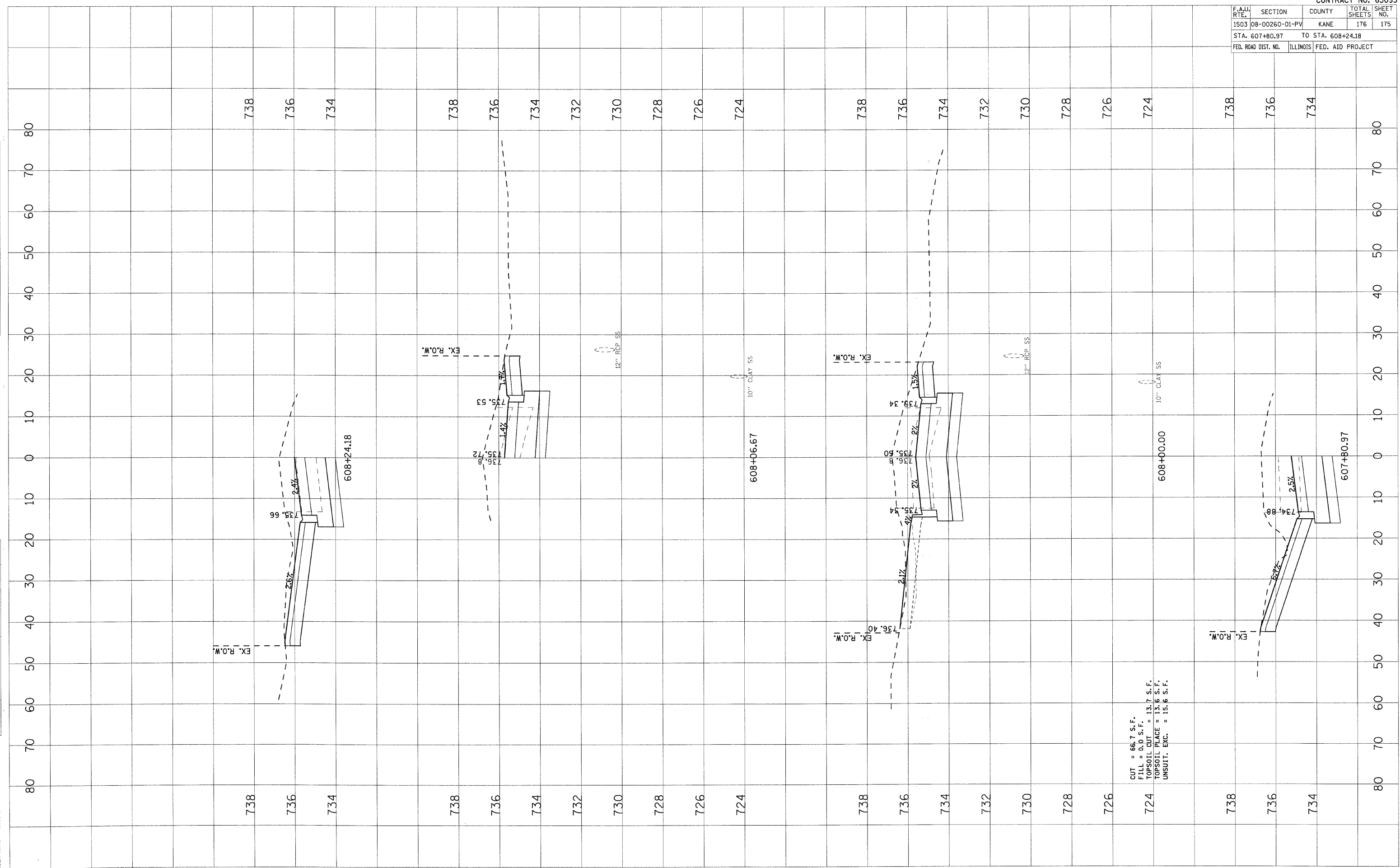
CUT = 76.5 S.F.
 FILL = 1.9 S.F.
 TOPSOIL CUT = 18.9 S.F.
 TOPSOIL PLAGE = 17.4 S.F.
 UNSUIT. EXC. = 15.6 S.F.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	175
STA. 607+80.97		TO STA. 608+24.18		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	BY	DATE
NOTE BOOK NO.		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
PLOTTED DATE		
AREAS CHECKED		

PLOT DATE = 1/5/2009
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 PLOT SCALE = USER
 USER NAME = USER

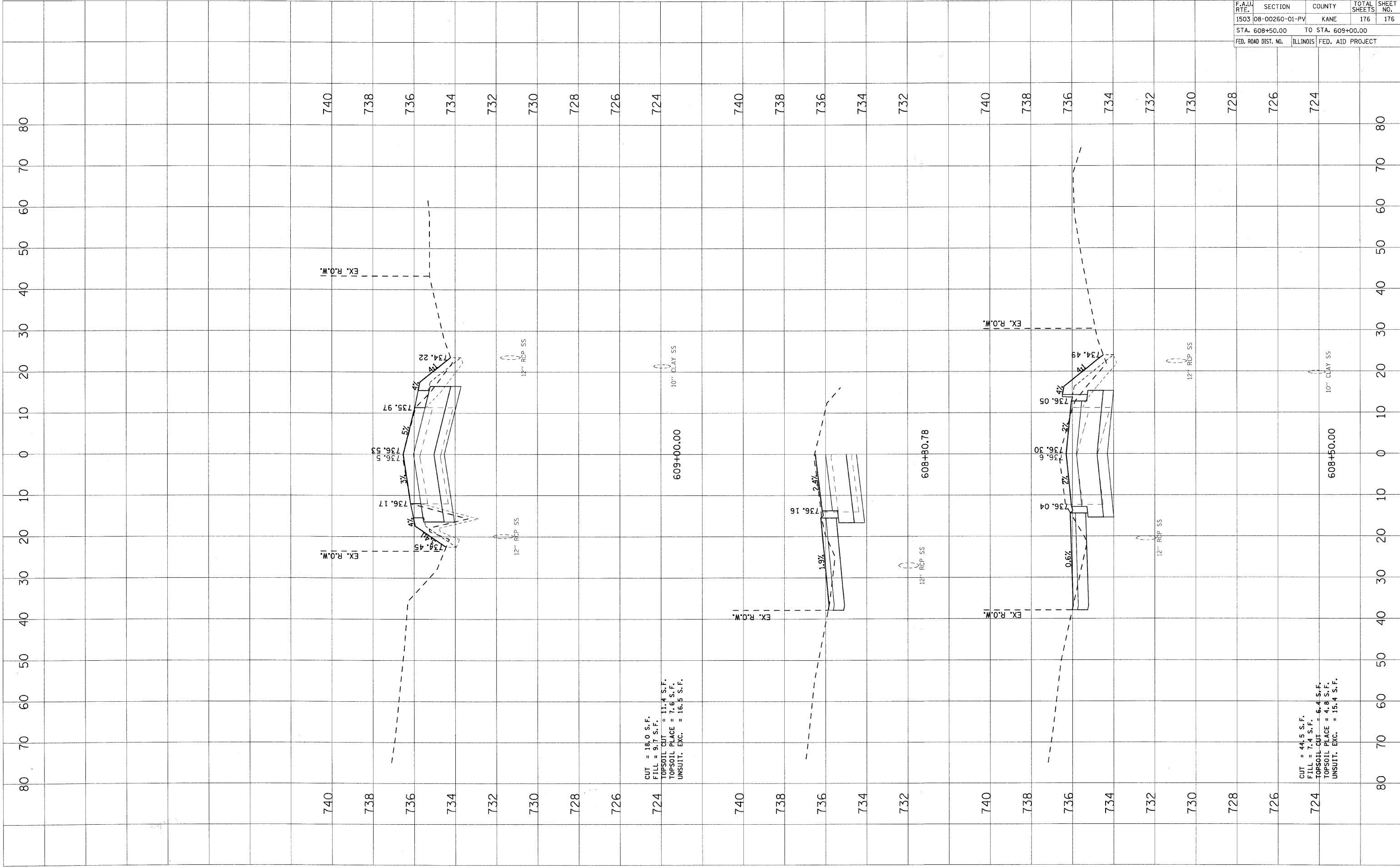


CUT = 66.7 S.F.
 FILL = 0.0 S.F.
 TOPSOIL CUT = 13.7 S.F.
 TOPSOIL PLACE = 13.6 S.F.
 UNSUIT. EXC. = 15.6 S.F.

PLOT DATE = 1/5/2009
 FILE NAME = H:\Users\jls\Documents\200851\TRK\1\G\1\SHA\X637R.dwg
 PLOT SCALE = USER
 USER NAME = USER

ORIGINAL SURVEY NO. _____
 SURVEYED BY _____
 DATE _____
 TOP OF DATE _____
 AREAS CHECKED _____

FINAL SURVEY NO. _____
 SURVEYED BY _____
 DATE _____
 TOP OF DATE _____
 AREAS CHECKED _____



CUT = 18.0 S.F.
 FILL = 9.7 S.F.
 TOPSOIL CUT = 11.4 S.F.
 TOPSOIL PLACE = 7.6 S.F.
 UNSUIT. EXC. = 16.5 S.F.

CUT = 44.5 S.F.
 FILL = 7.4 S.F.
 TOPSOIL CUT = 6.4 S.F.
 TOPSOIL PLACE = 4.8 S.F.
 UNSUIT. EXC. = 15.4 S.F.

CONTRACT NO. 63095				
F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1503	08-00260-01-PV	KANE	176	176
STA. 608+50.00 TO STA. 609+00.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	