

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	01
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

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

**F.A.P. 361 (STEARNS ROAD CORRIDOR
WETLAND MITIGATION SITE)
Section No.: 06-00214-03-BR
C-91-243-06
Project No.: HPP-1527(006)
KANE COUNTY**

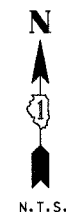
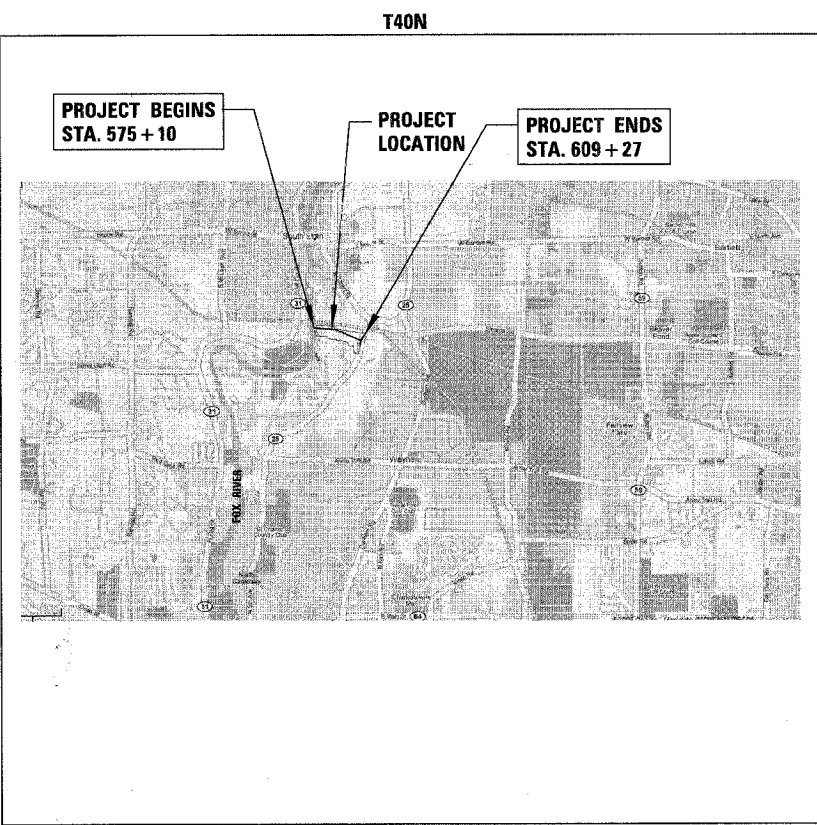


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LIST OF STATE STANDARDS

STD. NO.	DESCRIPTION
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION
602001	CATCH BASIN TYPE A
602011	CATCH BASIN TYPE C
602401-01	MANHOLE TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-C1	CAST IRON STEPS
604001-02	FRAME AND LIDS TYPE 1
604036-01	GRATE TYPE 8
701806-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
702001-06	TRAFFIC CONTROL DEVICES



LOCATION MAP
SCALE: NONE

GROSS LENGTH OF PROJECT = 3,417 LINEAL FEET (0.65 MILES)
NET LENGTH OF PROJECT = 3,417 LINEAL FEET (0.65 MILES)
PROJECT LOCATED IN: KANE COUNTY

TRAFFIC DATA

EXISTING ADT: NA
PROPOSED ADT: (2025) NA

POSTED SPEED = NA MPH
DESIGN SPEED = NA MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED SEPTEMBER 14 20 06
Carl Hunt
COUNTY

PASSED SEPTEMBER 18 20 06
Chelt Chris Holt
LOCAL ROADS ENGINEER

RELEASING FOR BID
BASED ON LIMITED
REVIEW Sept 18 20 06
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

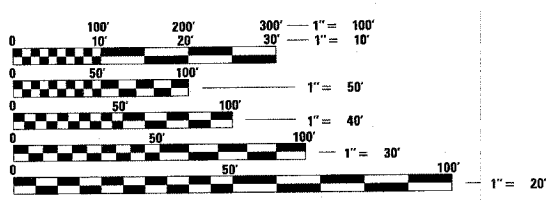


**FINAL
SEPTEMBER 14, 2006**

MICHAEL E. KERR
ILLINOIS REGISTRATION No. 062-046642
EXPIRATION DATE: 11/30/2007
PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

JESSICA MILLER FEDERAL AID DESIGN ENGINEER
201 W. CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
(847) 705-4487



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

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

CONTRACT NO. 83862

GENERAL NOTES

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	02
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

1. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON N.G.V.D. OF 1929 DATUM.
2. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. NO EQUIPMENT OR MATERIAL STORAGE WILL BE PERMITTED IN AREAS LABELED TREE PRESERVATION AREAS. THE CONTRACTOR SHALL GIVE THE ENGINEER 72-HOURS NOTICE BEFORE ENTERING INTO A TREE PRESERVATION AREA.
4. NOMINAL QUANTITIES FOR THE FOLLOWING PAY ITEMS HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES. THE ENGINEER WILL DETERMINE WHEN AND WHERE THESE QUANTITIES WILL BE UTILIZED:
 FURNISHED EXCAVATION
 COMPOST, FURNISH AND PLACE 2"
 WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL
 SELECTIVE CLEARING
 INTERSEEDING, CLASS 4 (MODIFIED) SEDGE MEADOW
 INTERSEEDING, CLASS 4 (MODIFIED) EMERGENT AQUATIC
 INTERSEEDING, CLASS 5 (MODIFIED) SEDGE MEADOW
 INTERSEEDING, CLASS 5 (MODIFIED) EMERGENT AQUATIC
 EXISTING FIELD TILE REMOVAL
 FIELD TILE REPLACEMENT
 FIELD TILE ADJUSTMENT
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
6. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LINE AND GRADES SHOWN ON THE CONTRACT DRAWINGS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE OWNER PRIOR TO PERFORMING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT, ADOPTED JANUARY 1, 2007.
 - B. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION.
 - C. KANE COUNTY TECHNICAL MEMORANDUM. WHERE CONTRADICTION OCCURS BETWEEN THE ABOVE LISTED SPECIFICATIONS, CODES AND/OR CONTRACT DOCUMENTS, THE MORE STRINGENT SHALL APPLY.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF/HERSELF OF ALL CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS THE TOTAL COST FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED DUE TO THE CONTRACTOR'S FAILURE TO UNDERSTAND THE SCOPE OF WORK.
9. IT SHALL BE NECESSARY TO PERFORM WORK ADJACENT TO EXISTING UTILITIES. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR EXISTING UTILITIES IN CONFORMANCE WITH THE AFFECTED UTILITY COMPANIES REQUIREMENTS AS MAY BE REQUIRED TO PERFORM THE WORK OF THIS CONTRACT.
10. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
11. ANY AND ALL DEWATERING REQUIRED TO KEEP EXCAVATIONS DRY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR DEWATERING.
12. CERTAIN INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN OBTAINED FROM DRAWINGS OF RECORD. CONTRACTOR SHALL VERIFY SUCH INFORMATION PRIOR TO ACTUAL START OF WORK. WHERE DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE. FAILURE BY THE CONTRACTOR TO IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF SUCH DISCREPANCIES SHALL RESULT IN THE CONTRACTOR BEARING THE FULL BURDEN OF ALL RISKS/COSTS ATTRIBUTED TO THE DISCOVERED DISCREPANCY.
13. COMMONWEALTH EDISON PROVIDES POWER TO MIDWEST GROUNDCOVERS. CONTRACTOR SHALL PROVIDE FOR UNINTERRUPTED POWER SUPPLY DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE SOIL AND GROUNDWATER CONDITIONS AT THE SITE. COPIES OF AVAILABLE GEOTECHNICAL INFORMATION ARE INCLUDED HERewith FOR INFORMATION ONLY, AND ARE NOT TO BE CONSIDERED AS PART OF THIS CONTRACT.
17. ALL WORK AREAS SHALL BE PROPERLY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION AND TRAFFIC.
18. EXCAVATIONS FOR STRUCTURE AND/OR PIPELINE INSTALLATION SHALL BE KEPT DRY AT ALL TIMES DURING STRUCTURE/PIPE PLACEMENT. APPROPRIATE FACILITIES TO MAINTAIN THE DRY EXCAVATIONS SHALL BE PROVIDED BY THE CONTRACTOR AND THE COST OF SUCH SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS TO WHICH THEY PERTAIN.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE USE OF TRENCH BOXES AS WELL AS TEMPORARY SHEETING OR BRACING THAT HE FEELS IS NECESSARY OR MAY BE REQUIRED TO MAINTAIN A SAFE WORK PLACE. THE COST OF SUCH ITEMS SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS TO WHICH THEY PERTAIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SAFETY ON THE JOB SITE.
19. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN OBSERVED BY THE OWNER'S REPRESENTATIVE.
20. TRENCH BACKFILL SHALL BE PROVIDED FOR THE FULL DEPTH ABOVE SEWERS/WATERMANS LOCATED WITHIN TWO FEET MEASURED HORIZONTALLY OF PROPOSED OR EXISTING GRADES AND AS OTHERWISE SHOWN ON THE DRAWINGS. THE TRENCH BACKFILL SHALL CONSIST OF GRANULAR MATERIAL MEETING IDOT CRUSHED STONE CA-6 GRADATION SPECIFICATIONS.
21. CONTRACTOR SHALL USE SUITABLE ON SITE MATERIAL PRIOR TO UTILIZING FURNISHED EXCAVATION. FURNISHED EXCAVATION SHALL ONLY BE USED WITH THE PERMISSION OF THE ENGINEER.
22. CONTRACTOR WILL BE ALLOWED TO BORROW MATERIAL AND/OR STOCKPILE MATERIAL IN AREAS OUTSIDE OF CURRENT STAGE OF CONSTRUCTION PROVIDED SUITABLE EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE. ALL EARTHWORK ITEMS WILL ONLY BE MEASURED FOR PAYMENT ONCE; NO PAYMENT WILL BE MADE FOR TEMPORARY BORROW OR STOCK PILE PLACEMENT.
23. ALL EMBANKMENT WIDENING SHALL BE SUFFICIENTLY BENCHED INTO EXISTING EMBANKMENTS/SLOPES PER ARTICLE 205 OF THE STANDARD SPECIFICATIONS, AND AS APPROVED BY THE ENGINEER. ALL COSTS WILL BE INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.
24. NOTE: CONTRACTOR SHALL USE SUITABLE ON SITE MATERIAL IF IT MEETS THE SPECIAL PROVISION FOR EMBANKMENT. FURNISHED EXCAVATION WILL ONLY BE USED AT THE DIRECTION OF THE ENGINEER.
25. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR INLET FILTER.
25. CONTRACTOR TO VERIFY RIM AND INVERT ELEVATIONS. RIM ELEVATIONS FOR MANHOLES AND VAULTS SHALL BE ADJUSTED TO MEET FINAL GRADE. THESE ADJUSTMENTS ARE TO BE MADE BY THE CONTRACTOR AND ANY ASSOCIATED COSTS FOR THESE ADJUSTMENTS ARE TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVIATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS MAY BE REQUIRED BY THE OWNER OR COUNTY UPON FINAL INSPECTION OF THE PROJECT. (FINAL GRADES AS MAY BE DETERMINED BY THE OWNER OR COUNTY AT THE TIME OF FINAL INSPECTION MAY VARY FROM THOSE SHOWN ON THE PLANS.)
26. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING THE LOCATIONS WHICH REQUIRE PRECAST REINFORCED CONCRETE FLAT SLAB TOPS.
27. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR STORM SEWERS. HOWEVER, THE NECESSARY PIPE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" OF THE TYPE AND SIZE REQUIRED.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\A\enccounting\0147JRD\A\cvt\0147J01
 SCALE = 2"=1'
 USER NAME = CBURKE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GENERAL NOTES

SCALE: VERT. NTS
 HORIZ. DATE 9/13/2006
 DRAWN BY
 CHECKED BY

CONTRACT NO. 83862

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361	06-00214-03-BR	KANE	52	04
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

EARTHWORK TABLE

STATION TO STATION		(1) CUT VOLUME (CY)	CUT VOLUME ADJUSTED FOR SHRINKAGE 15% (CY)	(2) FILL VOLUME (CY)	(3) EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	(4) UNSUITABLE (CY)	(5) PGE (CY)	(6) TOPSOIL EXCAVATION (CY)	(7) TOPSOIL PLACE (CY)	(8) TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)
576+00	577+00	1040.6	884.51	6766.7	-5882.2	0.00	0.00	422.60	1027.60	-605.00
577+00	578+00	2504.3	2128.7	9500.2	-7371.5	0.00	0.00	103.10	1366.70	-1263.60
578+00	579+00	4925.2	4186.4	4910.2	-723.8	0.00	0.00	0.00	1364.40	-1364.40
579+00	580+00	6878.5	5846.7	1313.9	4532.8	0.00	0.00	0.00	1277.40	-1277.40
580+00	581+00	7734.4	6574.2	666.7	5907.5	0.00	0.00	0.00	1231.70	-1231.70
581+00	582+00	8809.4	7488.0	656.9	6831.1	0.00	0.00	0.00	1173.90	-1173.90
582+00	583+00	9901.3	8416.1	735.4	7680.7	0.00	0.00	0.00	1111.70	-1111.70
583+00	584+00	10193.1	8664.1	776.3	7887.8	0.00	0.00	0.00	1383.70	-1383.70
584+00	585+00	9084.1	7721.5	392.4	7329.1	0.00	0.00	0.70	1931.10	-1930.40
585+00	586+00	5508	4681.8	94.1	4587.7	0.00	0.00	392.40	1864.80	-1472.40
586+00	587+00	3006.3	2555.4	3158	-602.6	1253.30	838.10	804.60	1585.90	-781.30
587+00	588+00	3280.4	2788.3	3679.3	-891.0	2215.40	1192.00	707.80	1403.30	-695.50
588+00	589+00	3078	2616.3	1842	774.3	1441.10	673.30	454.10	1179.60	-725.50
589+00	590+00	2610.7	2219.1	1228.1	991.0	479.10	319.40	159.30	1172.60	-1013.30
590+00	591+00	2993.3	2544.3	2106.9	437.4	792.00	528.00	730.60	1556.00	-825.40
591+00	592+00	3152.2	2679.4	4673.1	-1993.7	1661.90	1107.80	1247.40	1643.00	-395.60
592+00	593+00	2894.3	2460.2	5166.7	-2706.5	1790.40	1193.50	712.60	1508.50	-795.90
593+00	594+00	3209.1	2727.7	5263.1	-2535.4	2164.30	1235.60	460.20	1774.60	-1314.40
594+00	595+00	2748.4	2336.1	5943	-3606.9	1892.70	1270.80	757.40	1680.00	-922.60
595+00	596+00	1724.4	1465.7	6877.4	-5411.7	1318.20	1318.20	493.00	1253.90	-760.90
596+00	597+00	1602	1361.7	7271.5	-5909.8	1336.80	1336.80	203.10	1156.70	-953.60
597+00	598+00	1871.7	1590.9	7135.9	-5545.0	1329.60	1329.60	378.10	1414.40	-1036.30
598+00	599+00	2666.9	2266.9	6802	-4535.1	1151.10	662.00	583.90	1610.70	-1026.80
599+00	600+00	4798.5	4078.7	6328.5	-2249.8	875.90	0.00	1053.90	1805.00	-751.10
600+00	601+00	4230.2	3595.7	5760.2	-2164.5	1783.10	0.00	1283.70	2336.50	-1052.80
601+00	602+00	2814.6	2392.4	4738.9	-2346.5	1868.90	0.00	1275.90	2587.40	-1311.50
602+00	603+00	7119.1	6051.2	4435.9	1615.3	551.10	0.00	1735.20	2172.20	-437.00
603+00	604+00	12335.2	10484.9	3990.7	6494.2	0.00	0.00	1523.50	1955.00	-431.50
604+00	605+00	11791.9	10023.1	3276.3	6746.8	0.00	0.00	1178.10	2065.70	-887.60
605+00	606+00	7028.3	5974.1	3146.5	2827.6	0.00	0.00	1570.20	2008.10	-437.90
606+00	607+00	5439.6	4623.7	2136.5	2487.2	0.00	0.00	1686.50	2192.40	-505.90
607+00	608+00	9472.8	8051.9	1655.9	6396.0	0.00	0.00	1788.70	2925.90	-1137.20
608+00	609+00	8305	7059.3	1469.8	5589.5	0.00	0.00	1654.10	2476.10	-822.00
TOTALS		174751.8	148539.0	123899.0	24640.0	23904.90	13005.10	23360.70	55196.50	-31835.80

NOTES

- (1) PAID FOR AS EARTH EXCAVATION
- (2) NOT MEASURED FOR PAYMENT
- (3) PAID FOR AS FURNISHED EXCAVATION
- (4) PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- (5) PAID FOR AS POROUS GRANULAR EMBANKMENT
- (6) PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT
- (7) PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT
- (8) PAID FOR AS TOPSOIL FURNISH AND PLACE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		EARTHWORK TABLE

SCALE: VERT. NTS
HORIZ. NTS
DATE 9/13/2006

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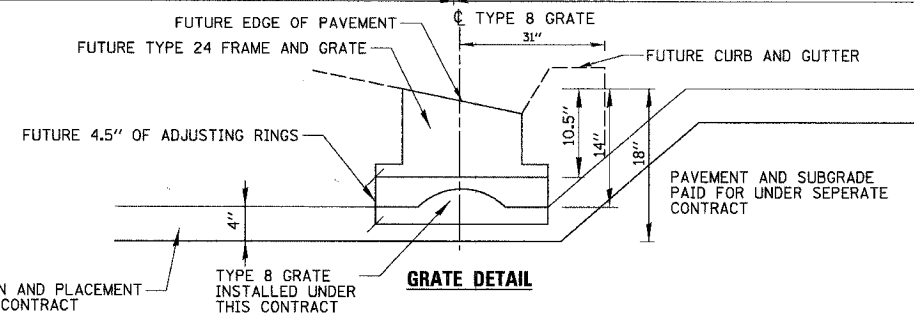
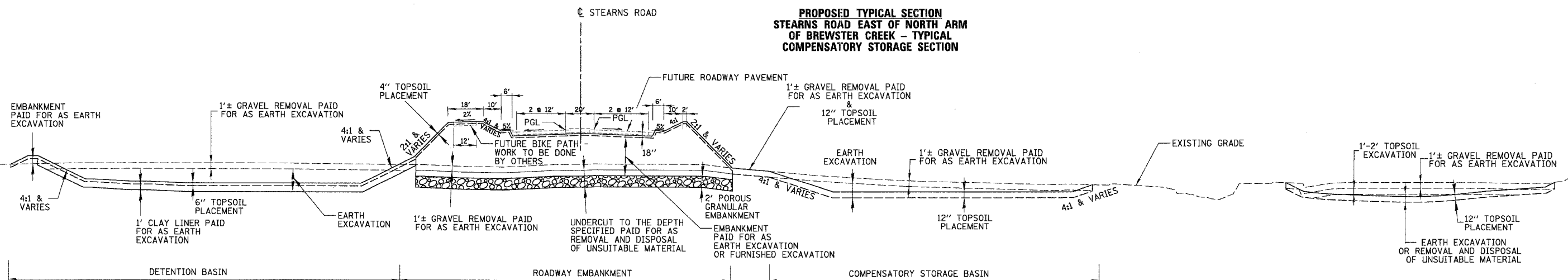
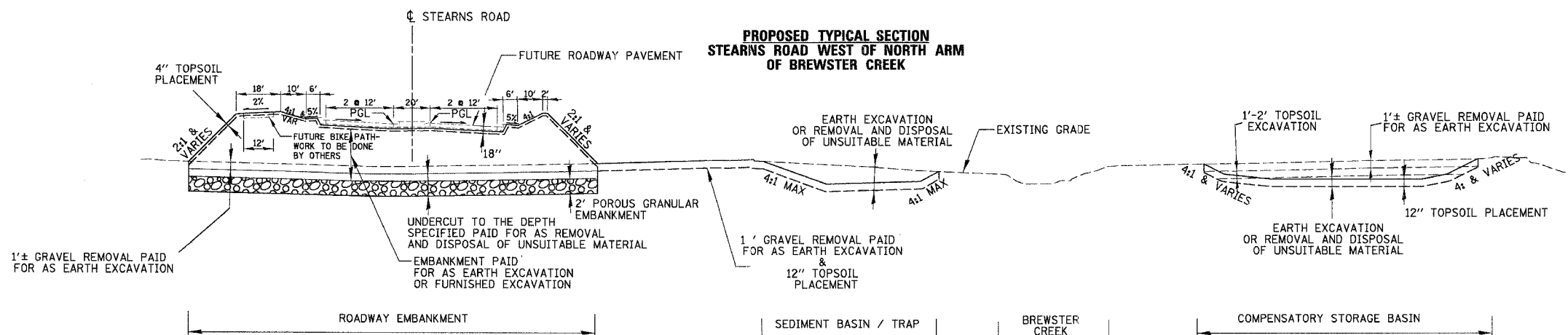
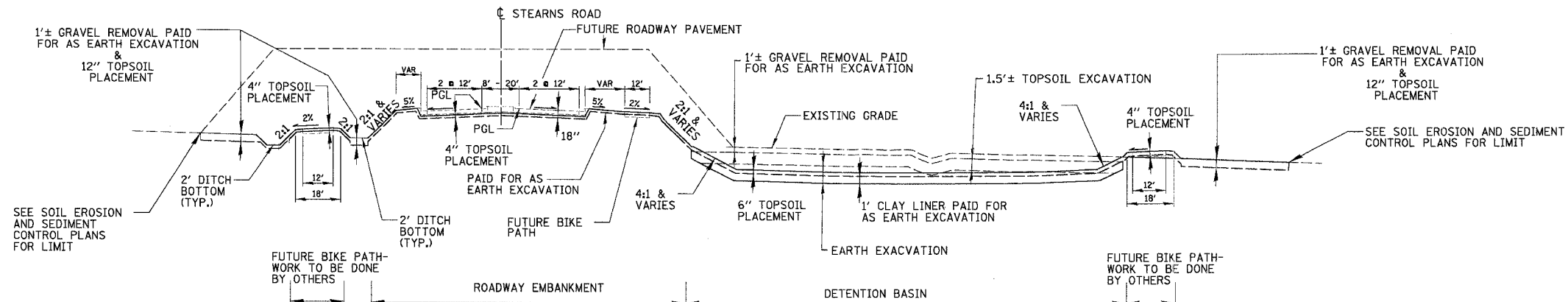
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



PLOT DATE = 9/13/2006
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**PROPOSED TYPICAL SECTION
STEARNS ROAD EAST OF NORTH ARM
OF BREWSTER CREEK - TYPICAL
DETENTION BASIN SECTION**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS
SCALE: VERT. NOT TO SCALE
DATE: 9/13/2006
DRAWN BY: GT
CHECKED BY: MCW

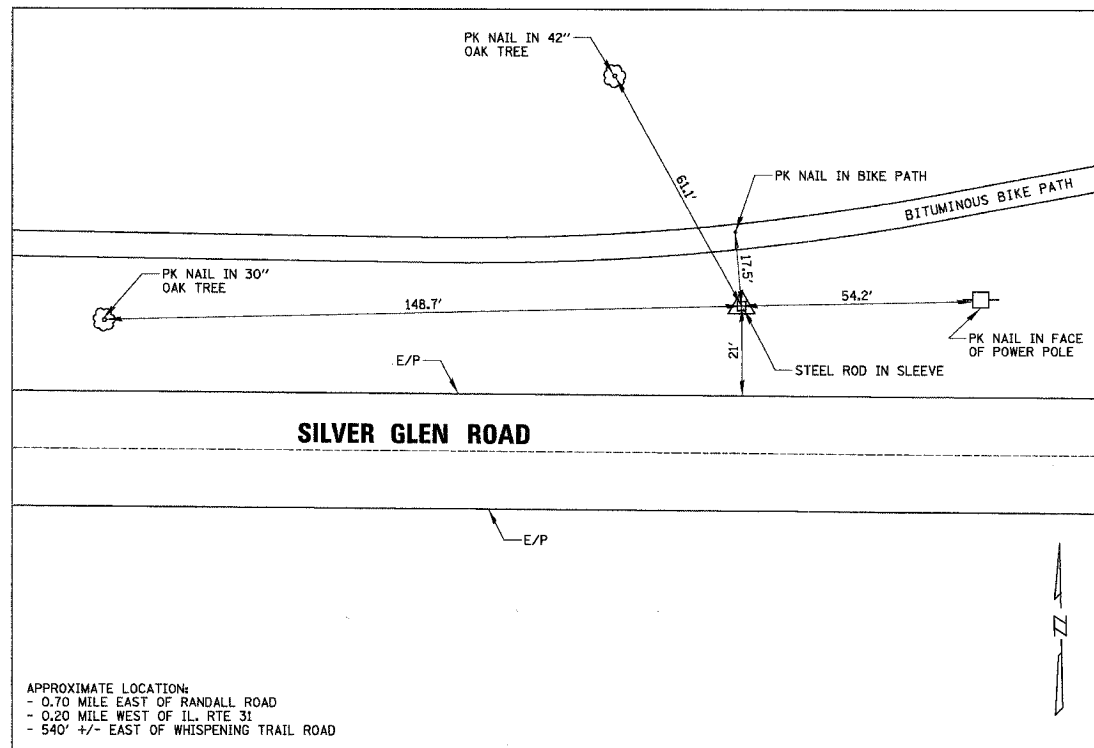
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



PLOT DATE: 9/13/2006
FILE NAME: N:\NewAccount\8471\DRN\Civil\8471.dwg
PLOT SCALE: 1"=10'
USER NAME: MCBURKE

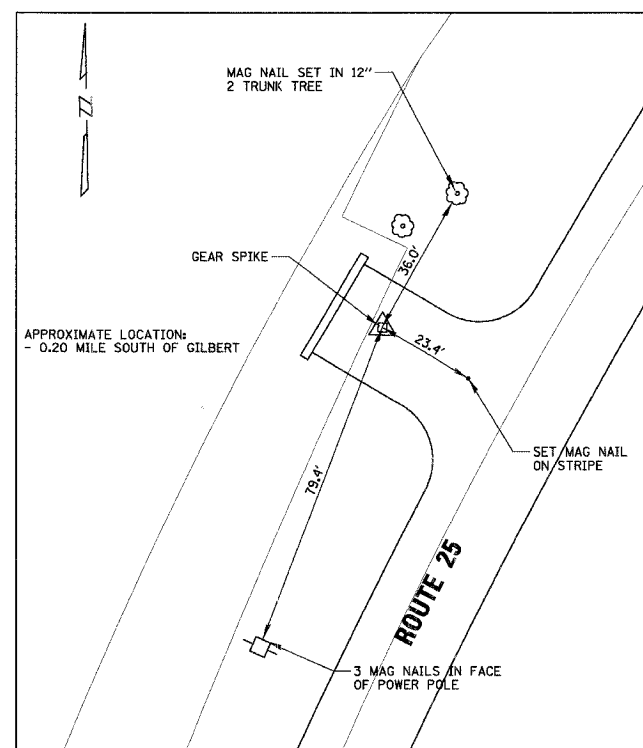
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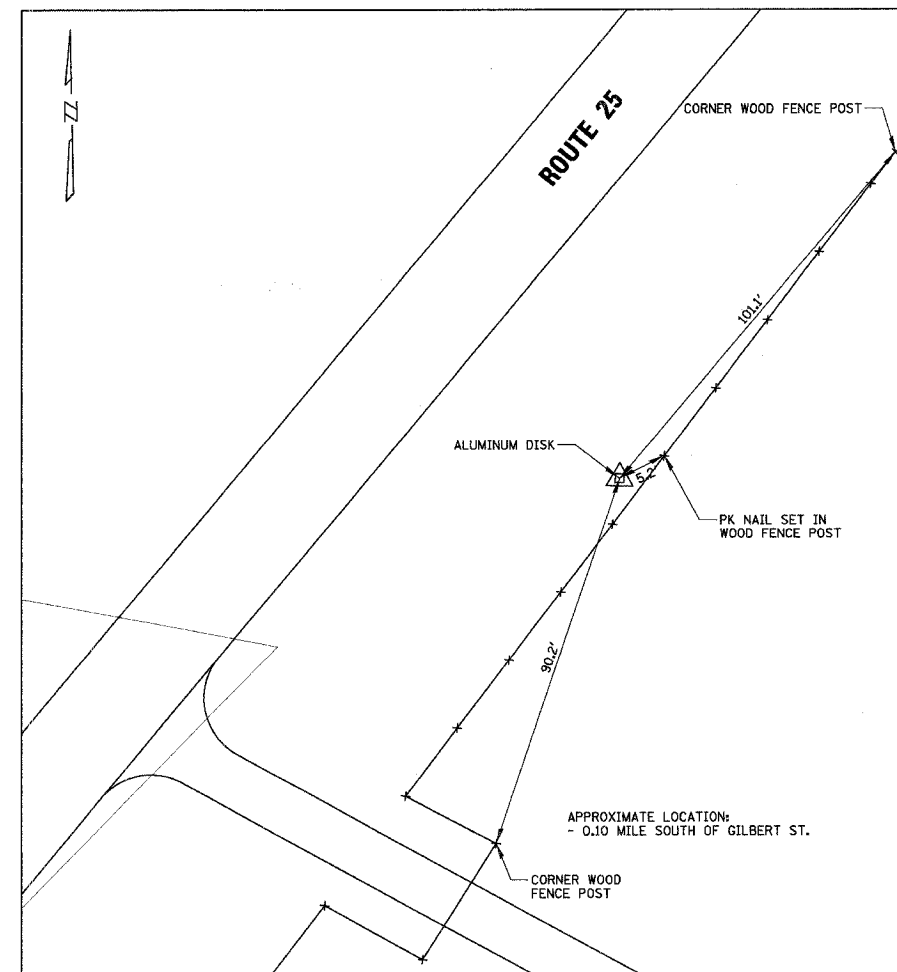
PRIMARY CONTROL POINT 2

1" = 20'



SECONDARY CONTROL POINT 49000

1" = 20' ON SITE

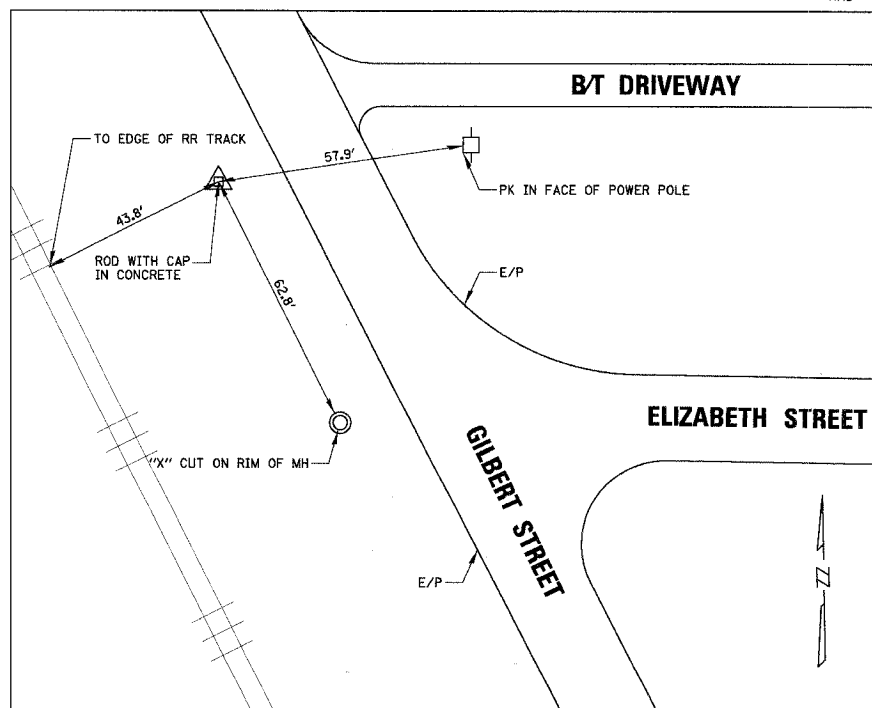


SECONDARY CONTROL POINT 19

1" = 20' ON SITE

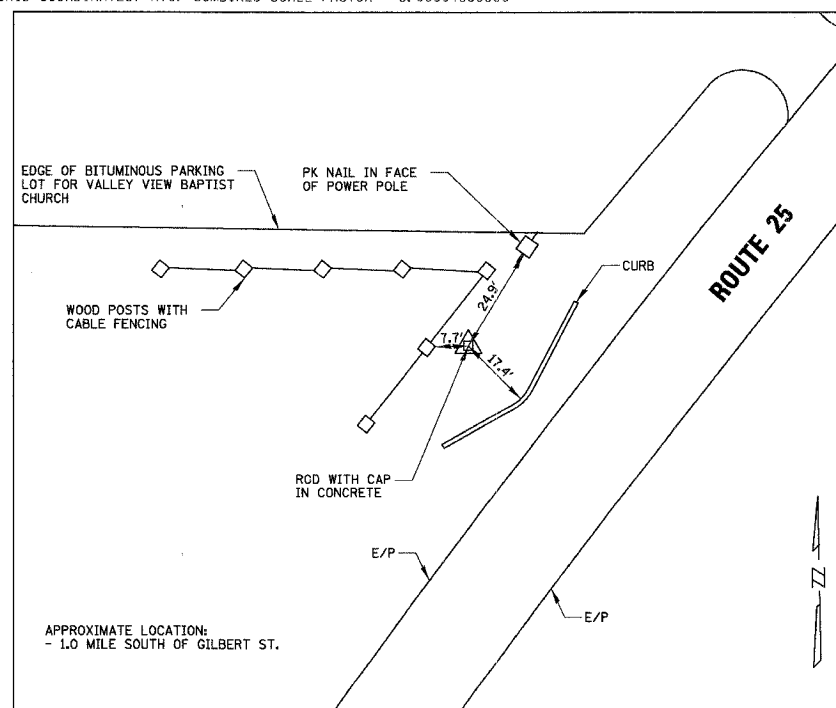
HORIZONTAL CONTROL			
NO.	NORTHING	EASTING	DESCRIPTION
CP-2	1931338.8282	985992.2552	STEEL ROD IN SLEEVE
CP-8	1930214.7179	986827.3209	ROD WITH C.B.B. CAP IN CONCRETE
CP-9	1938609.0557	986821.7024	ROD WITH C.B.B. CAP IN CONCRETE
CP-19	1934105.243	989061.444	ALUMINUM DISK
CP-49000	1933736.567	988681.869	GEAR SPIKE

NAD '83 - (GRID COORDINATES) AVG. COMBINED SCALE FACTOR = 0.99994303889



PRIMARY CONTROL POINT 9

1" = 20'



PRIMARY CONTROL POINT 8

1" = 20'

ELEVATION BENCHMARKS DATUM: NGVD OF 1929 (FEMA)		
NO.	DESCRIPTION	ELEV.
BN 19	"ALUMINUM DISK" SET IN CONCRETE, 0.10 MILE SOUTH OF GILBERT STREET ON EAST SIDE OF ROUTE 25 4' FROM SPLIT RAIL FENCE.	724.23
BN 22	"CHISELED BOX CUT" SET AT THE TOP OF CONCRETE BRIDGE HEADWALL AT THE NORTHEAST CORNER OF BRIDGE AT THE SOUTHEAST CORNER OF STEARNS ROAD AND DUNHAM ROAD.	767.36
OSBM 1	SQUARE CUT ON NORTHWEST CORNER OF SOUTHERLY ABUTMENT OF ILLINOIS PRAIRIE PATH BRIDGE OVER CHICAGO, CENTRAL & PACIFIC RAIL LINES	763.43

ELEVATION BENCHMARKS DATUM: NGVD OF 1929 (FEMA)		
NO.	DESCRIPTION	ELEV.
OSBM 133	MINI RAILROAD SPIKE, WEST FACE OF POWER POLE WITH LIGHT AT WESTERLY SIDE OF INTERSECTION OF ROUTE 25 & GILBERT	732.77
OSBM 134	FOUND ALUMINUM DISK IN CONCRETE 40' NORTHEASTERLY OF EDGE OF PAVEMENT OF GILBERT ROAD, 200' NORTHERLY OF 3RD BIT ENTRANCE NORTHERLY OF ROUTE 25	739.08
OSBM 135	MINI RAILROAD SPIKE IN POLE ON EAST SIDE OF DUNHAM ROAD IN 2ND POLE SOUTH OF 6N879	756.18
OSBM 132	RAILROAD SPIKE IN WEST FACE POWER POLE AT SOUTH SIDE DRIVE TO 6N921 JUST NORTH OF HICKORY ON ROUTE 25	766.32
OSBM 130	SQUARE CUT ON SOUTHEAST CONCRETE WALL OF BRIDGE ROUTE 25 OVER BREWSTER CREEK	722.00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: VERT. AS SHOWN
DATE: 9/13/2006

DRAWN BY
CHECKED BY

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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 822-0500

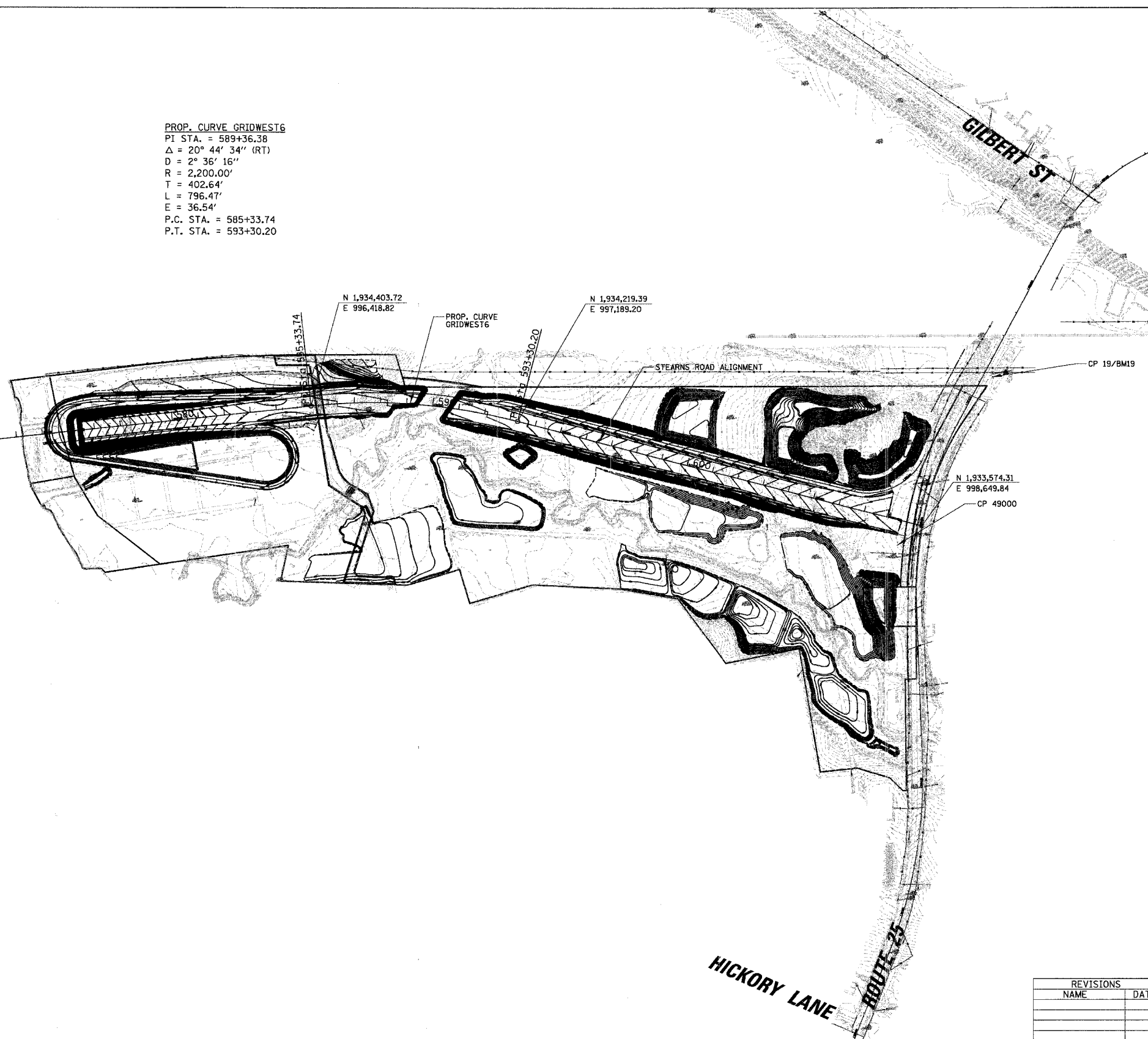
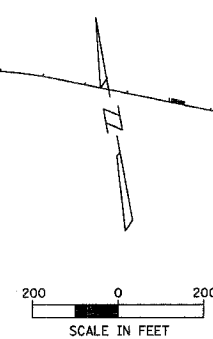


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PLOT SCALE = 1" = 20'
USER NAME = CBURKE

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	08
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROP. CURVE GRIDWEST6
 PI STA. = 589+36.38
 $\Delta = 20^\circ 44' 34''$ (RT)
 $D = 2^\circ 36' 16''$
 $R = 2,200.00'$
 $T = 402.64'$
 $L = 796.47'$
 $E = 36.54'$
 P.C. STA. = 585+33.74
 P.T. STA. = 593+30.20



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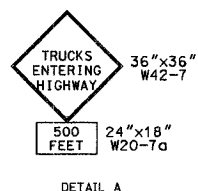
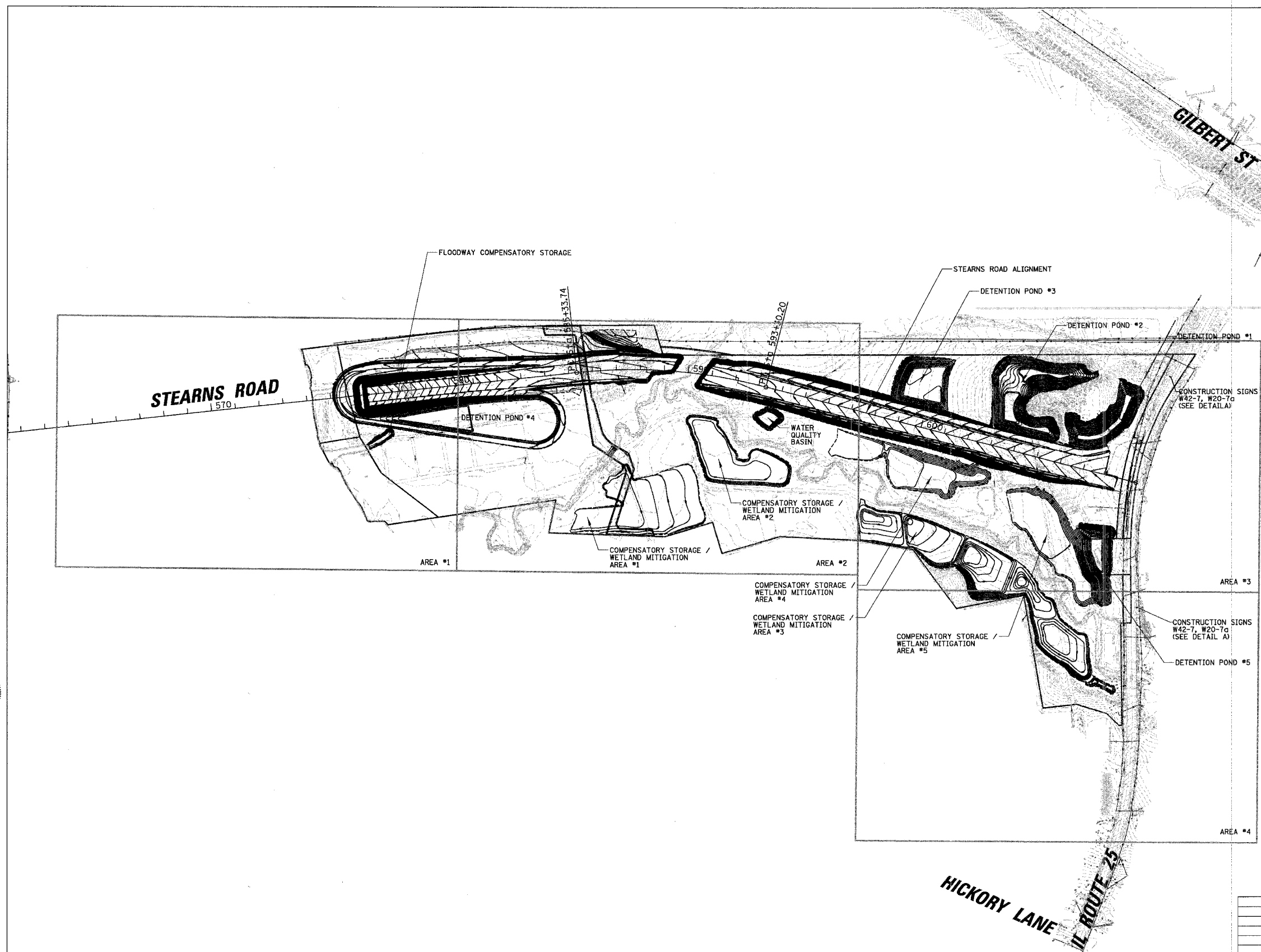
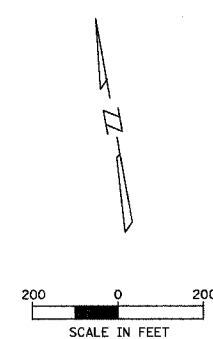
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 FILE NAME = N:\kenneth\101710R10\101710R10\101710R10.dwg
 PLOT SCALE = 1" = 200'
 USER NAME = bburke

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ALIGNMENT, TIES
 & BENCHMARKS**
 SCALE: VERT. 1" = 200'
 HORIZ. 1" = 200'
 DATE: 9/13/2006
 DRAWN BY: _____
 CHECKED BY: _____

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	09
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



NOTE:
PLACE SIGNS PRIOR TO CONSTRUCTION.
SIGNS WILL BE SPACED 500' OR AS
DIRECTED BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

OVERALL SITE PLAN

SCALE: VERT. 1" = 200'
HORIZ. 1" = 200'
DATE 9/13/2006
DRAWN BY RCB
CHECKED BY MEK

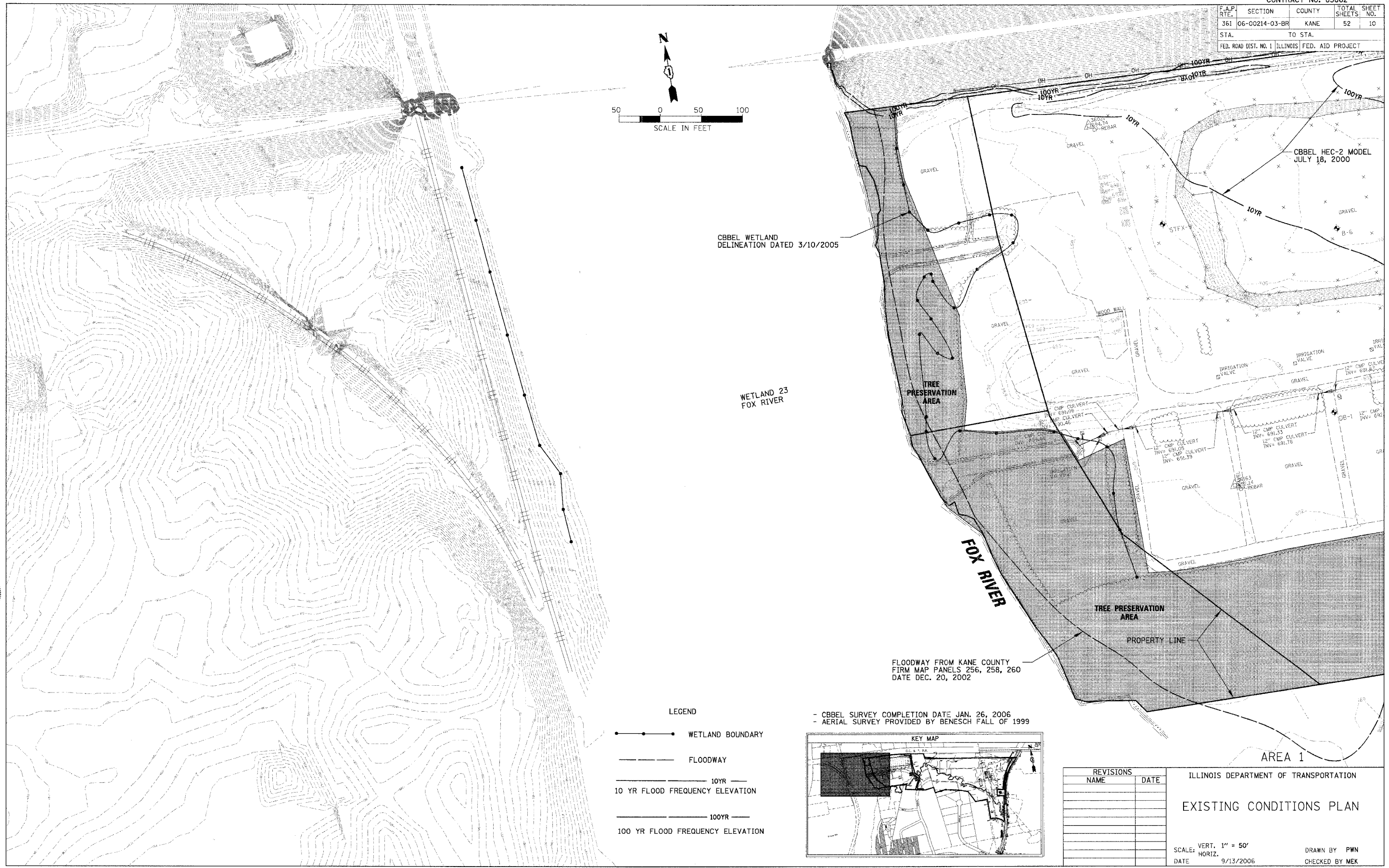
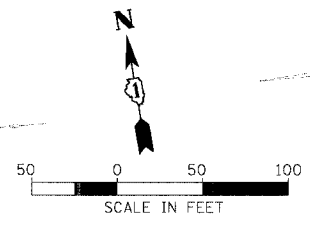
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



PLOT DATE = 9/13/2006
FILE NAME = N:\kennecott\14710101\14710101\OVERALL.DWG
PLOT SCALE = 200' = 1" (VERT.)
USER NAME = RCB

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



CBBEL WETLAND DELINEATION DATED 3/10/2005

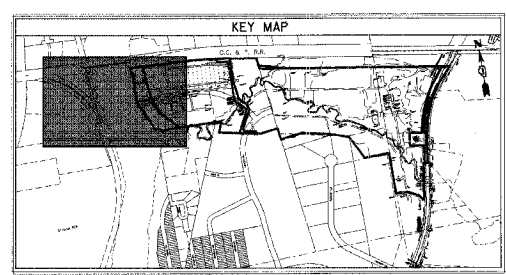
WETLAND 23 FOX RIVER

FLOODWAY FROM KANE COUNTY FIRM MAP PANELS 256, 258, 260 DATE DEC. 20, 2002

LEGEND

- WETLAND BOUNDARY
- FLOODWAY
- 10YR — 10 YR FLOOD FREQUENCY ELEVATION
- 100YR — 100 YR FLOOD FREQUENCY ELEVATION

- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
- AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING CONDITIONS PLAN
 VERT. 1" = 50'
 SCALE: HORIZ.
 DATE 9/13/2006
 DRAWN BY PWN
 CHECKED BY MEK

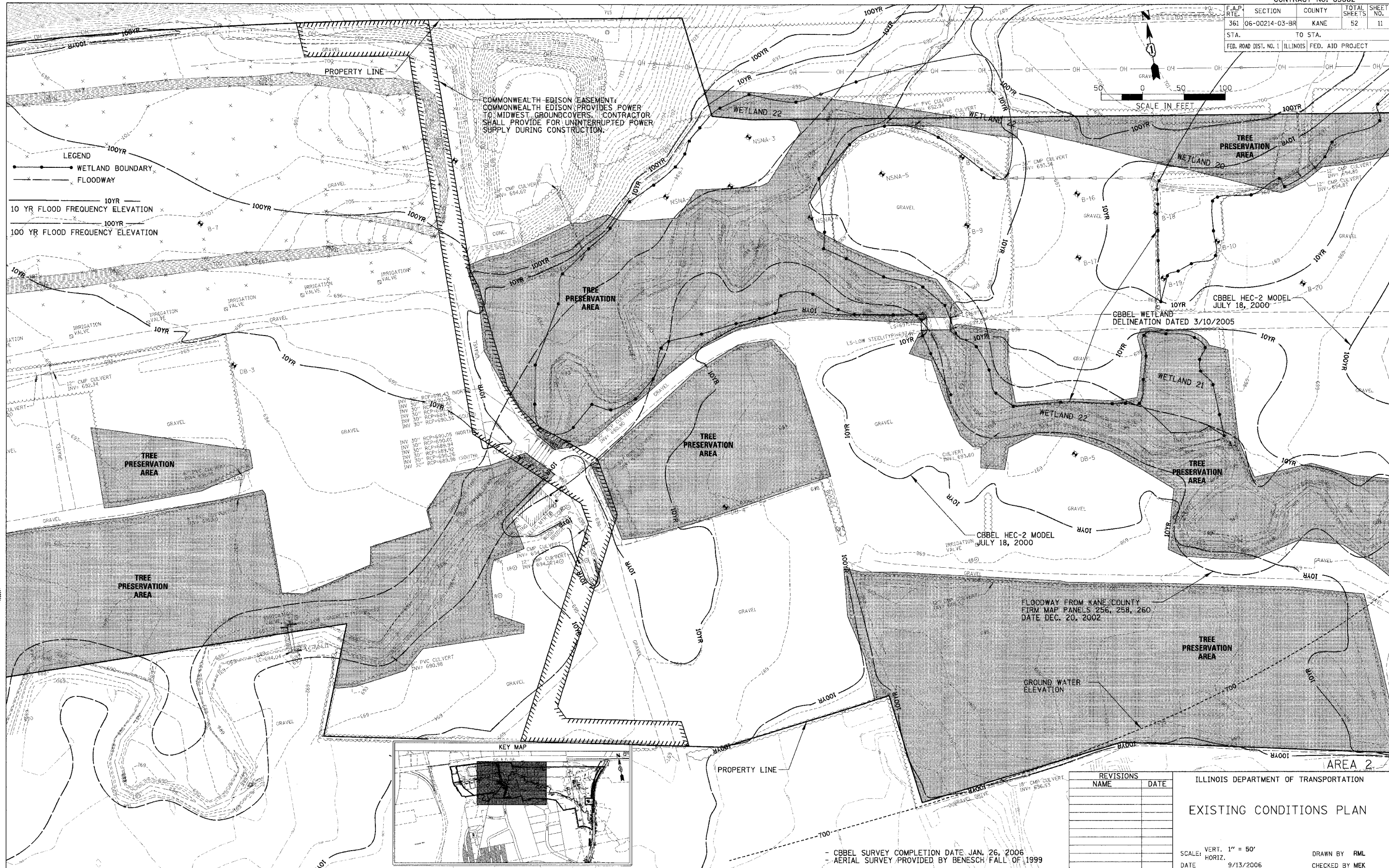
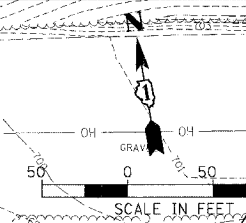
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\kennebec\9147\ORD\CV\AREA_04\0471_BLP.LIN
 PLOT SCALE = 50' = 1" (VERT.)
 USER NAME = JUS818

CONTRACT NO. 83862

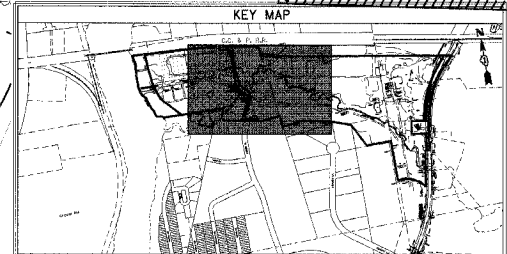
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



COMMONWEALTH EDISON BASEMENT COMMONWEALTH EDISON PROVIDES POWER TO MIDWEST GROUNDCOVERS. CONTRACTOR SHALL PROVIDE FOR UNINTERRUPTED POWER SUPPLY DURING CONSTRUCTION.

LEGEND

- WETLAND BOUNDARY
- FLOODWAY
- 10 YR FLOOD FREQUENCY ELEVATION
- 100 YR FLOOD FREQUENCY ELEVATION



FLOODWAY FROM KANE COUNTY FIRM MAP PANELS 256, 258, 260 DATE DEC. 20, 2002

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING CONDITIONS PLAN

SCALE: VERT. 1" = 50'
HORIZ. DATE 9/13/2006

DRAWN BY RML
CHECKED BY MEK

- CBBEL SURVEY COMPLETION DATE, JAN. 26, 2006
- AERIAL SURVEY PROVIDED BY BENESCH, FALL OF 1999

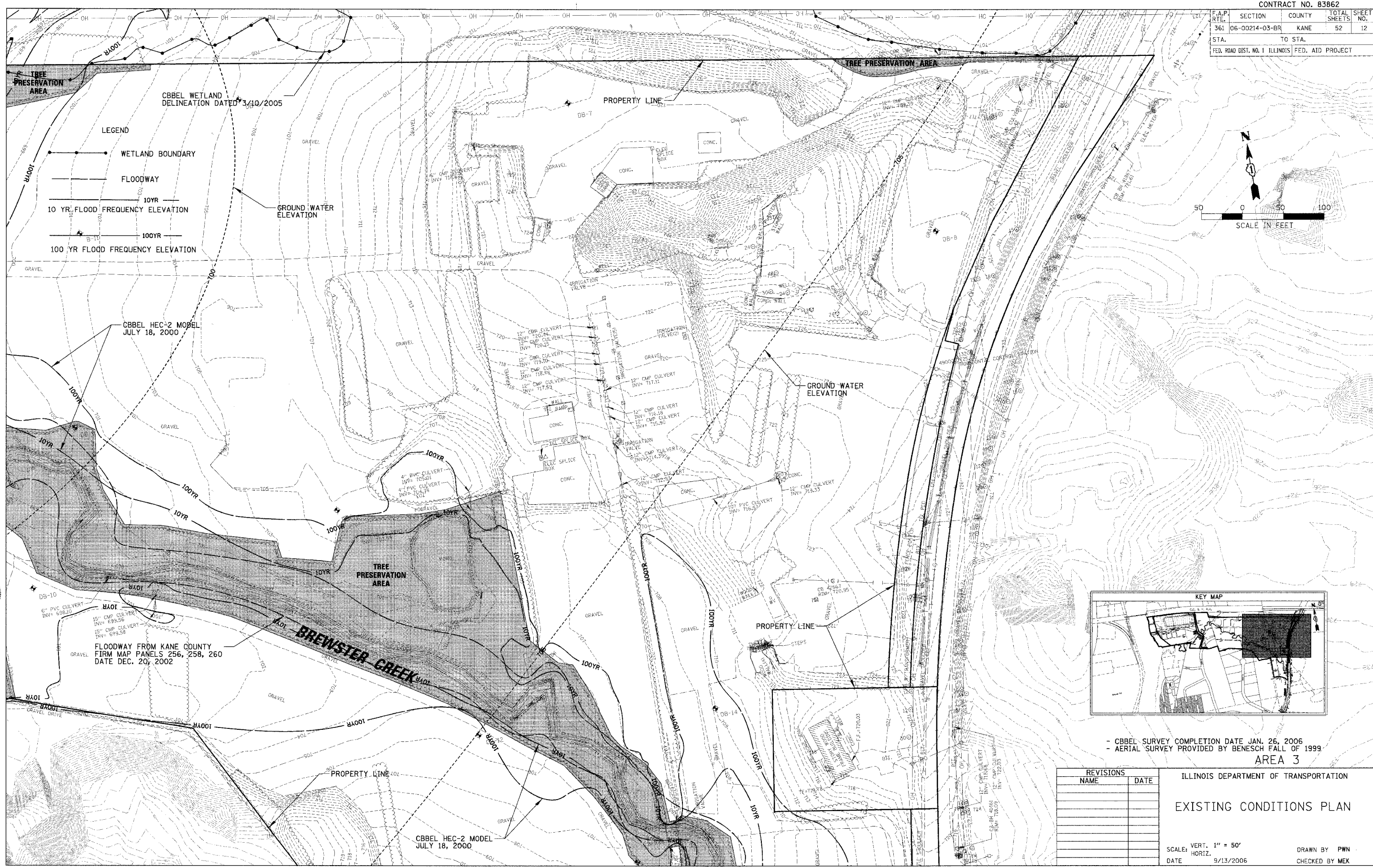
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



PLOT DATE = 9/13/2006
FILE NAME = N:\New\mccurphy\08-17\ORDN\Civil\EX_81471_82.PLN
PLOT SCALE = BY
USER NAME = ROSEN

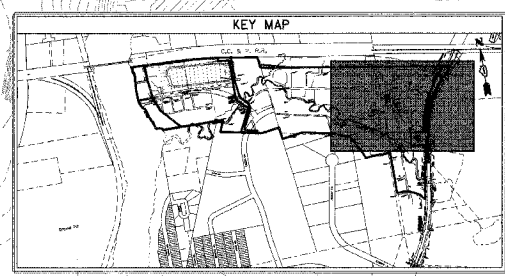
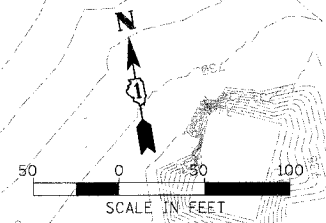
CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- WETLAND BOUNDARY
- FLOODWAY
- 10 YR FLOOD FREQUENCY ELEVATION
- 100 YR FLOOD FREQUENCY ELEVATION
- GROUND WATER ELEVATION



- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

AREA 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING CONDITIONS PLAN

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 9/13/2006
 DRAWN BY PWN
 CHECKED BY MEK

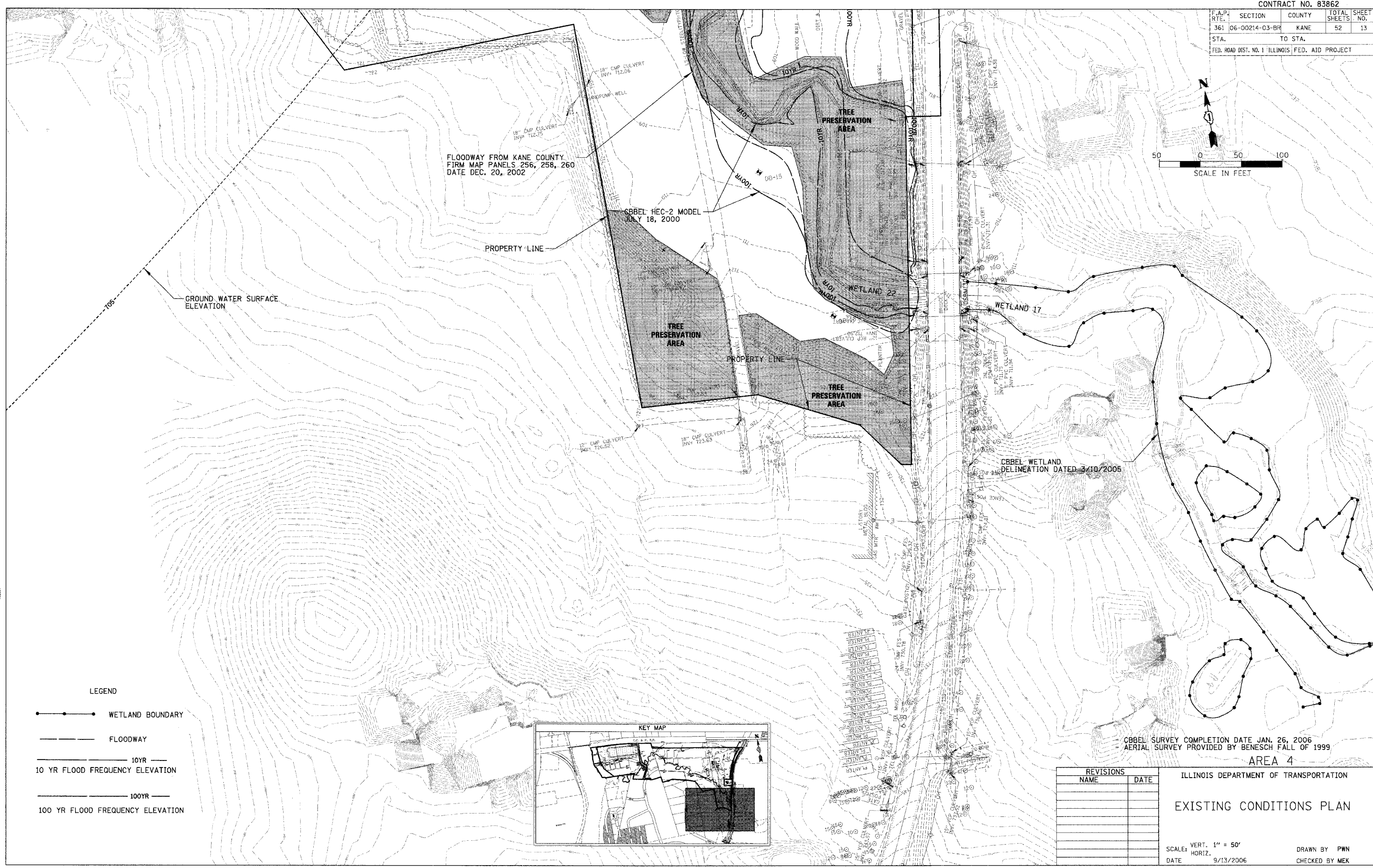
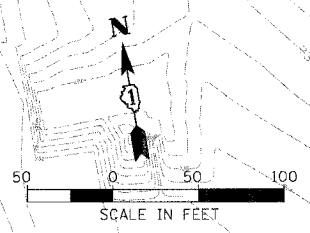
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\Varencounty\8147\GRD\Civil\EX_81471_823.PLN
 PLOT SCALE = 1" = 100'
 USER NAME = JBSER

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FLOODWAY FROM KANE COUNTY
FIRM MAP PANELS 256, 258, 260
DATE DEC. 20, 2002

CBBEL HEC-2 MODEL
JULY 18, 2000

GROUND WATER SURFACE
ELEVATION

PROPERTY LINE

TREE PRESERVATION AREA

TREE PRESERVATION AREA

TREE PRESERVATION AREA

CBBEL WETLAND
DELINEATION DATED 3/10/2005

CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

AREA 4

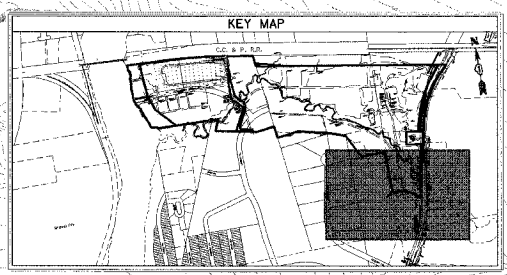
ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS PLAN

SCALE: VERT. 1" = 50'
HORIZ. DATE 9/13/2006

DRAWN BY PWN
CHECKED BY MEK

REVISIONS	
NAME	DATE



- LEGEND
- WETLAND BOUNDARY
 - FLOODWAY
 - 10YR —
10 YR FLOOD FREQUENCY ELEVATION
 - 100YR —
100 YR FLOOD FREQUENCY ELEVATION

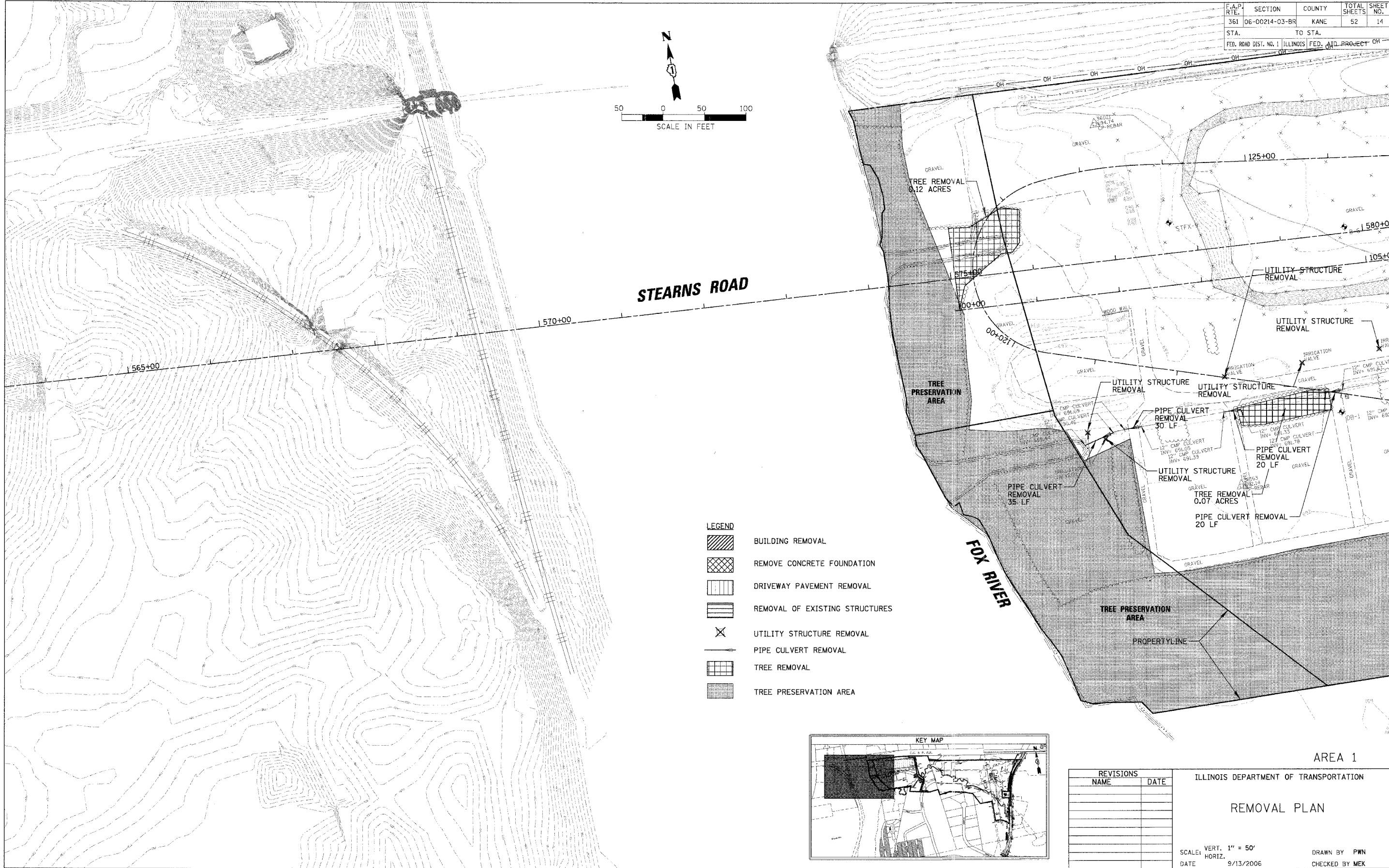
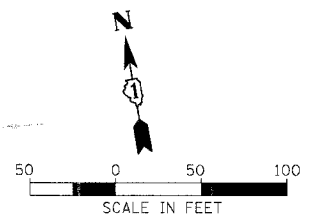
CHRISTOPHER B. BURKE ENGINEERING, LTD.
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Rosemont, Illinois 60018
(847) 823-0500



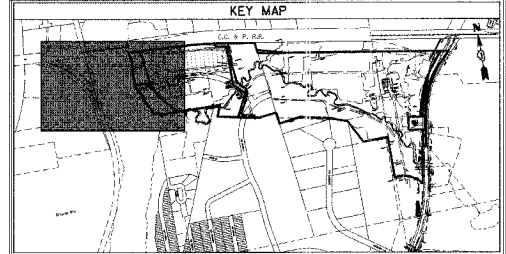
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PLOT SCALE = 1" = 50'
USER NAME = BUSEM

CONTRACT NO. 83862

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	14
STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT OH	



- LEGEND**
- [Hatched pattern] BUILDING REMOVAL
 - [Cross-hatched pattern] REMOVE CONCRETE FOUNDATION
 - [Horizontal lines] DRIVEWAY PAVEMENT REMOVAL
 - [Vertical lines] REMOVAL OF EXISTING STRUCTURES
 - [X symbol] UTILITY STRUCTURE REMOVAL
 - [Arrow symbol] PIPE CULVERT REMOVAL
 - [Grid pattern] TREE REMOVAL
 - [Stippled pattern] TREE PRESERVATION AREA



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: VERT. 1" = 50'
 HORIZ. DATE: 9/13/2006

DRAWN BY: PWN
 CHECKED BY: MEK

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 (847) 823-0500











DATE: 9/13/2006
 USER: MEK
 FILE: 83862_014.dwg
 PROJECT: 83862

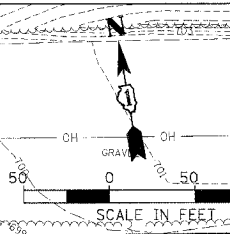
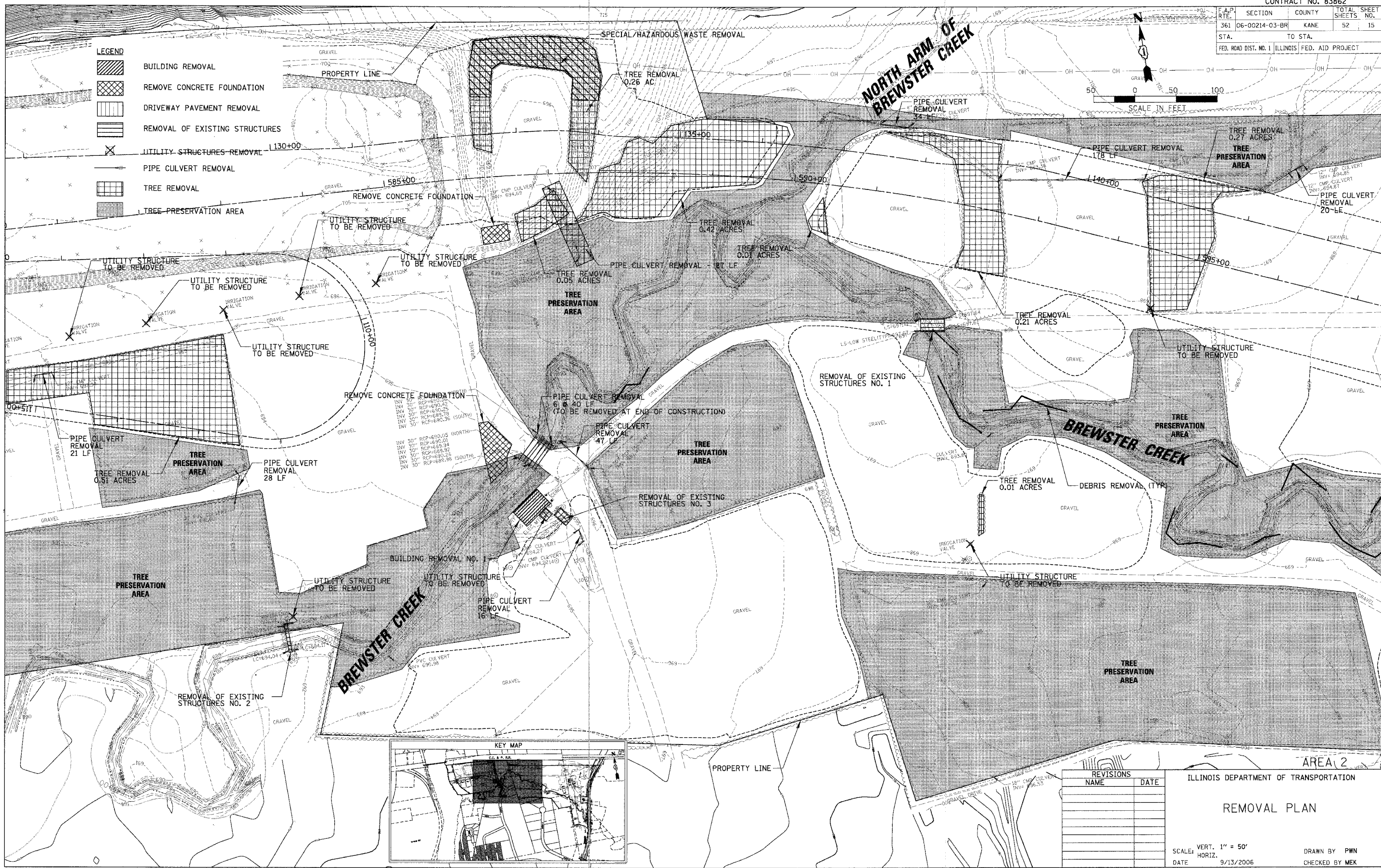
AREA 1

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	15
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

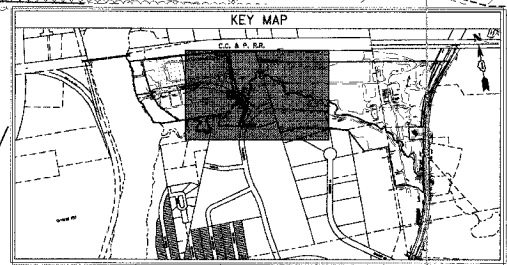
-  BUILDING REMOVAL
-  REMOVE CONCRETE FOUNDATION
-  DRIVEWAY PAVEMENT REMOVAL
-  REMOVAL OF EXISTING STRUCTURES
-  UTILITY STRUCTURES TO BE REMOVED
-  PIPE CULVERT REMOVAL
-  TREE REMOVAL
-  TREE-PRESERVATION AREA



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 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\Projects\83862\83862.DWG
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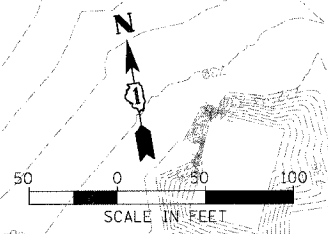


REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLAN
 VERT. 1" = 50'
 HORIZ. SCALE:
 DATE 9/13/2006
 DRAWN BY PWN
 CHECKED BY MEK

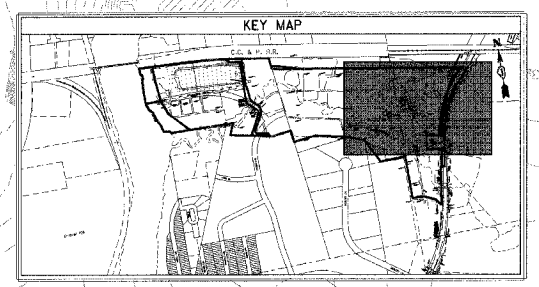
AREA 2

CONTRACT NO. 83862				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	16
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

	BUILDING REMOVAL
	REMOVE CONCRETE FOUNDATION
	DRIVEWAY PAVEMENT REMOVAL
	REMOVAL OF EXISTING STRUCTURES
	UTILITY STRUCTURES REMOVAL
	PIPE CULVERT REMOVAL
	TREE REMOVAL
	TREE PRESERVATION AREA



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: VERT. 1" = 50'
HORIZ. 1" = 100'

DATE: 9/13/2006

DRAWN BY: PWN
CHECKED BY: MEK

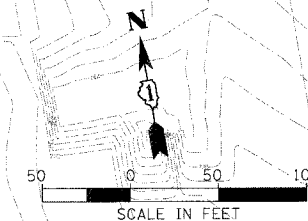
CHRISTOPHER B. BURKE ENGINEERING, LTD.
6975 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



DATE: 9/13/2006
FILE NAME: N:\Information\4710RD\Civil\REK\B-171_83862
PLOT SCALE: 1" = 100'
USER NAME: C:\BSE

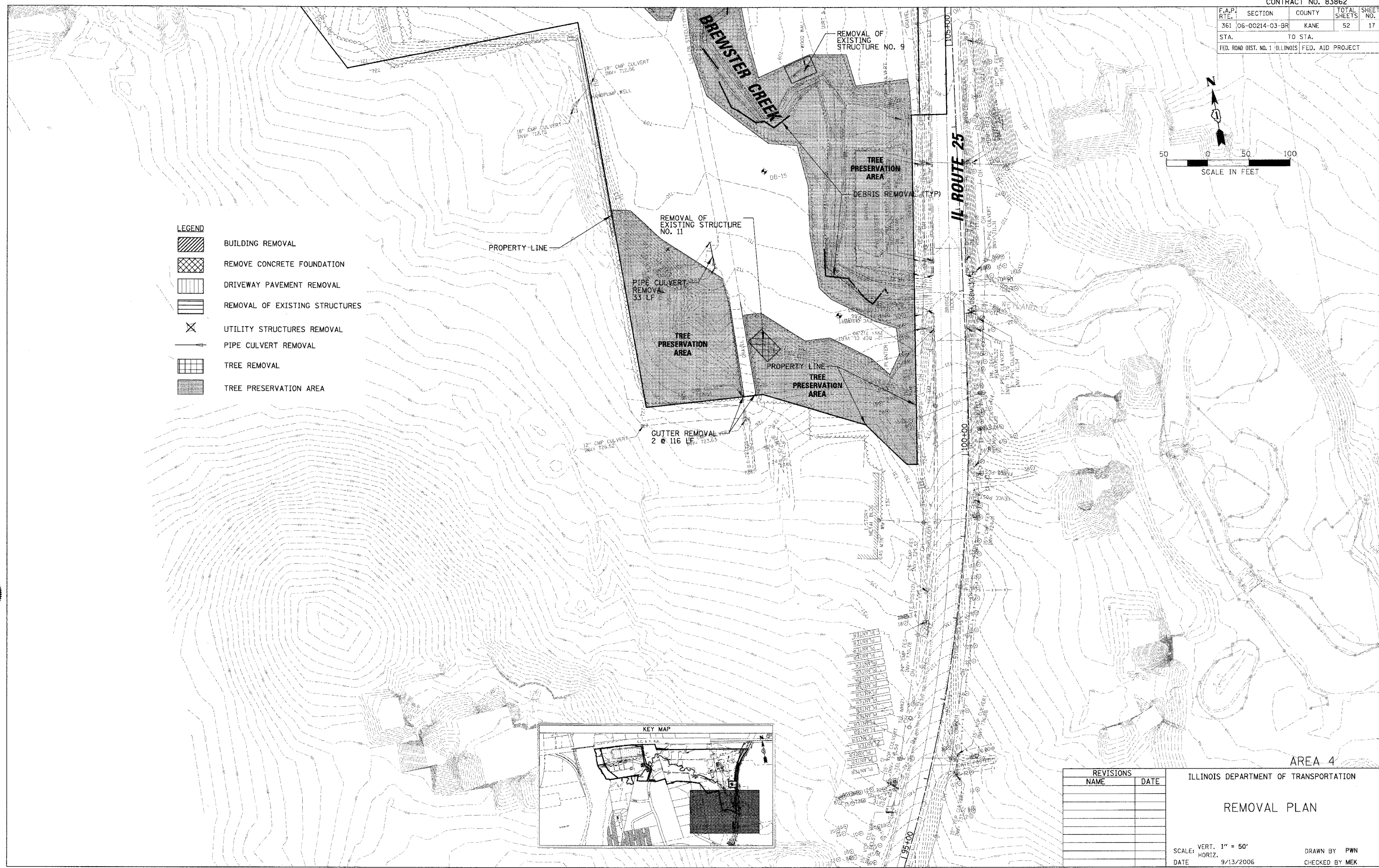
AREA 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

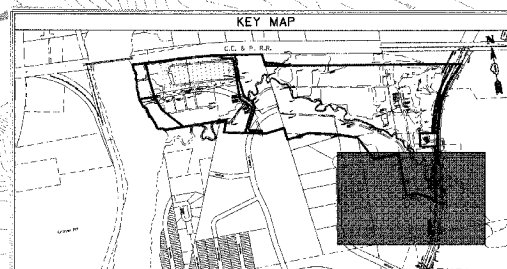


LEGEND

	BUILDING REMOVAL
	REMOVE CONCRETE FOUNDATION
	DRIVEWAY PAVEMENT REMOVAL
	REMOVAL OF EXISTING STRUCTURES
	UTILITY STRUCTURES REMOVAL
	PIPE CULVERT REMOVAL
	TREE REMOVAL
	TREE PRESERVATION AREA



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 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\Vancouver\014716R1D\Civil\VIEW\147164.REM
 PLOT SCALE = 1" = 50'
 USER NAME = MSBRK

AREA 4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

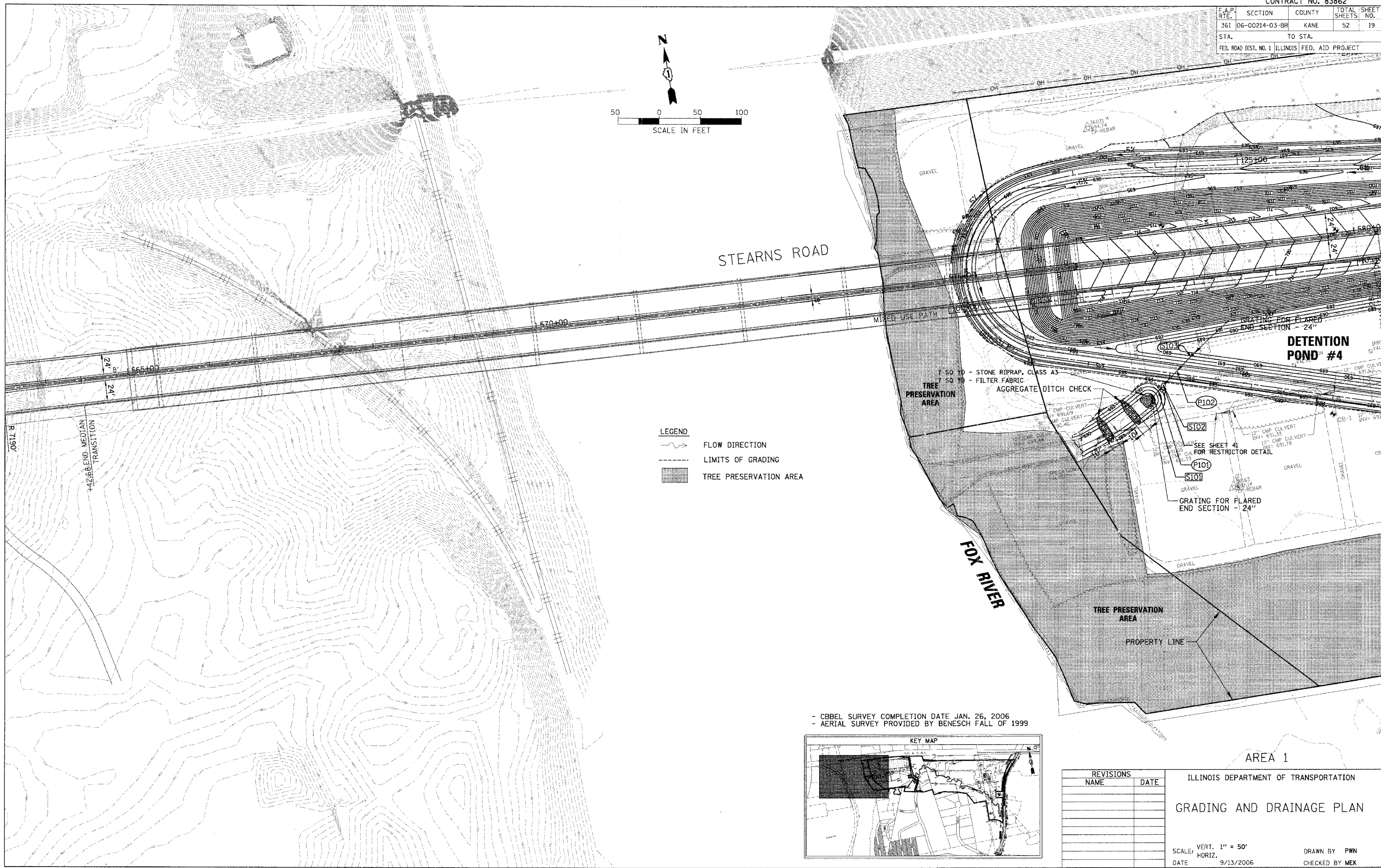
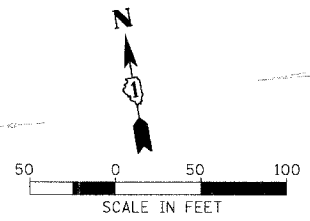
REMOVAL PLAN

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 9/13/2006

DRAWN BY PWN
 CHECKED BY MEK

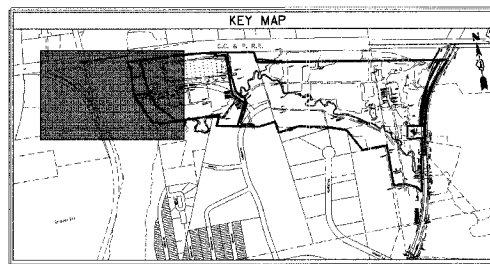
CONTRACT NO. 83862

F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- FLOW DIRECTION
 - LIMITS OF GRADING
 - TREE PRESERVATION AREA

- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GRADING AND DRAINAGE PLAN SCALE: VERT. 1" = 50' HORIZ. 9/13/2006 DRAWN BY PWN CHECKED BY MEK

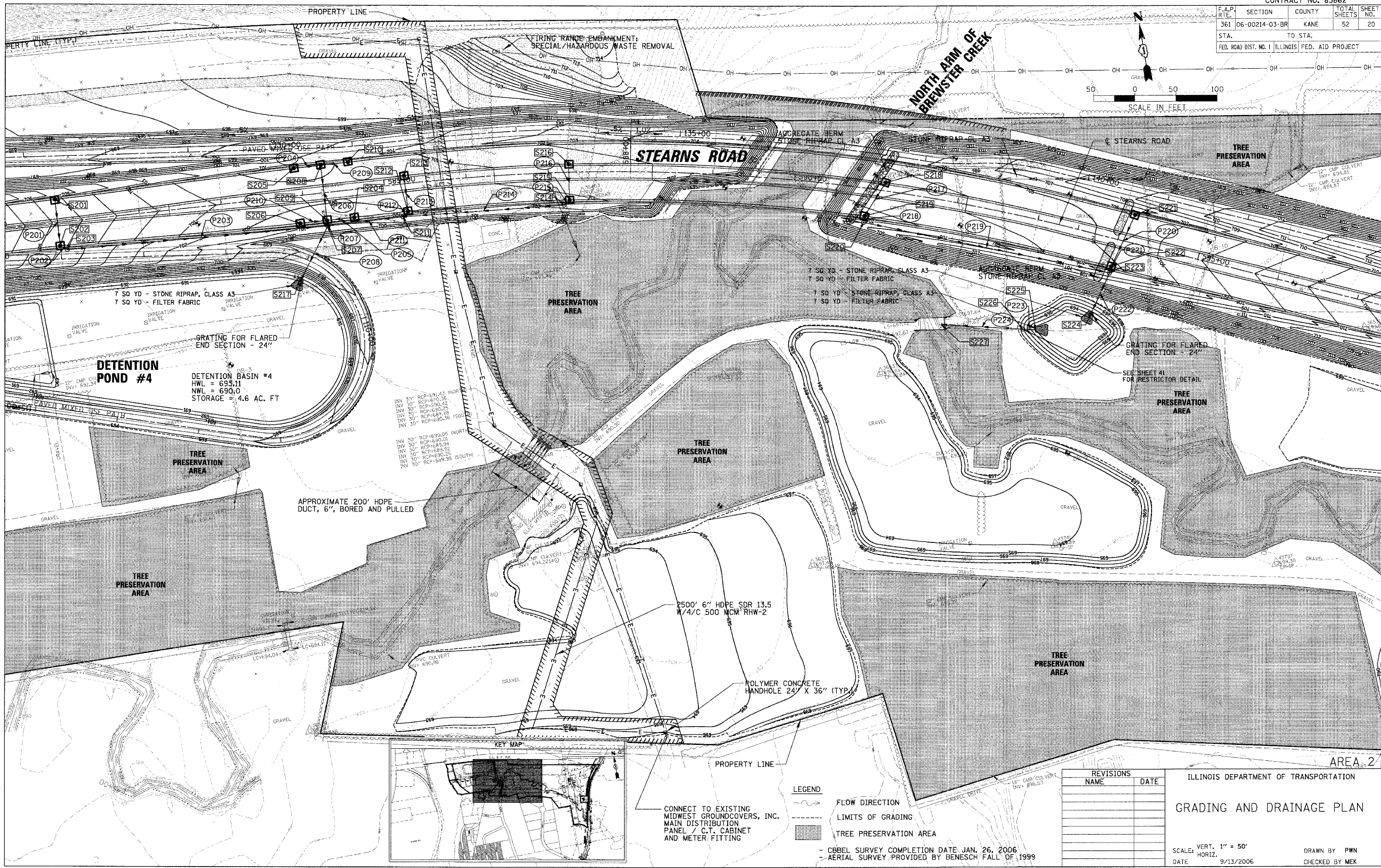
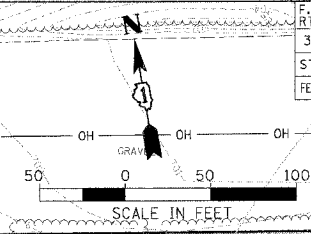
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
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 USER NAME = RUSER

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	20
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



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 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\kennecott\9575W Higgins Rd\CD\1\NPL\B1471_02.dwg
 USER NAME = KBUSETA

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRADING AND DRAINAGE PLAN

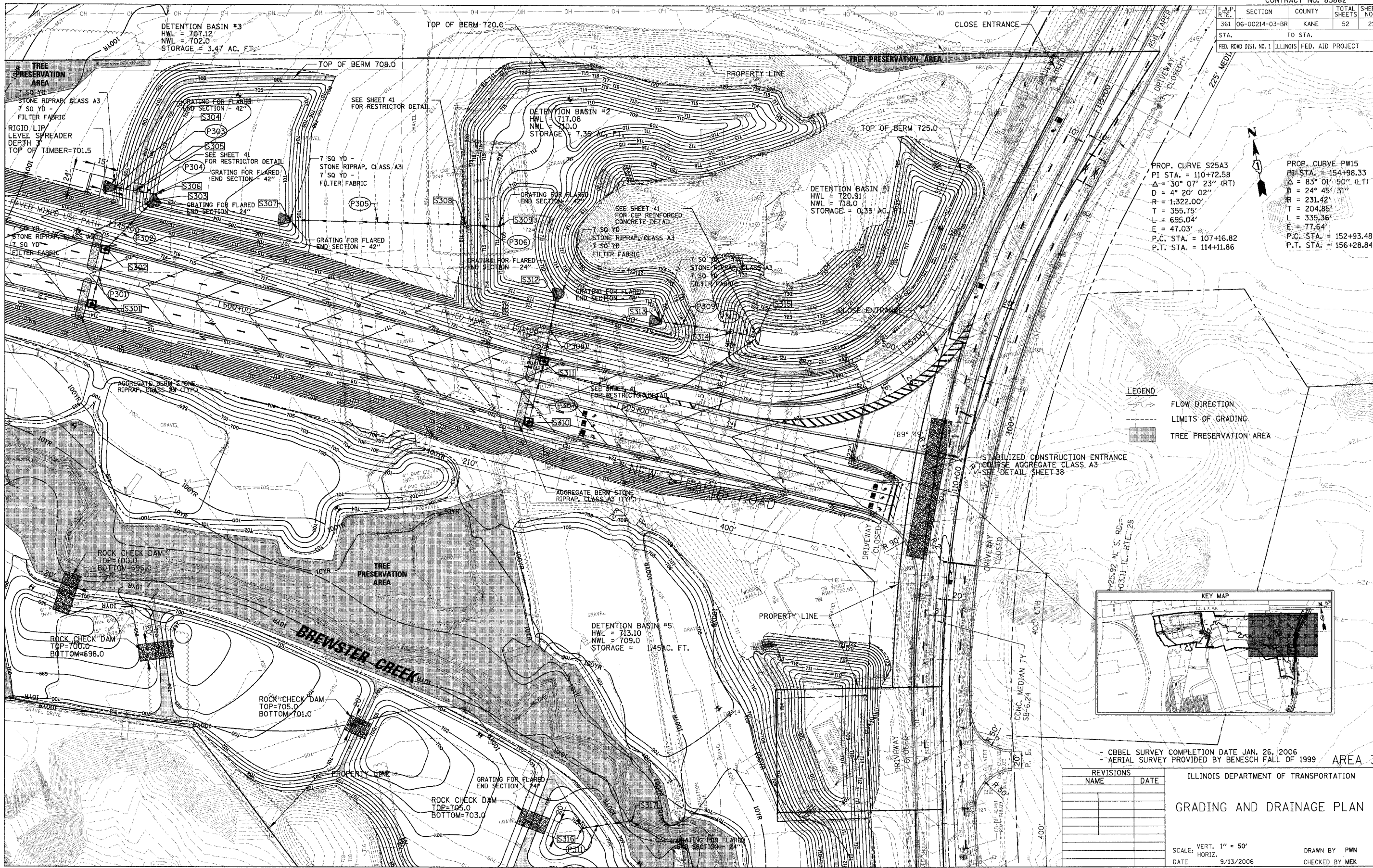
SCALE: VERT. 1" = 50'
 HORIZ. DATE 9/13/2006

DRAWN BY PWN
 CHECKED BY MEK

- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	21
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

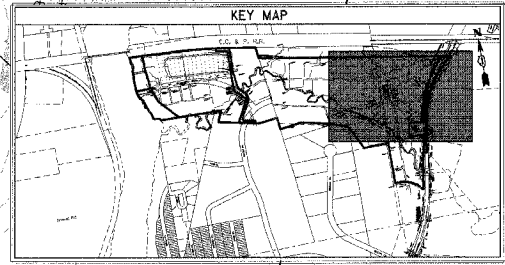


PROP. CURVE S25A3
 PI STA. = 110+72.58
 $\Delta = 30^{\circ} 07' 23''$ (RT)
 $D = 4^{\circ} 20' 02''$
 $R = 1,322.00'$
 $T = 355.75'$
 $L = 695.04'$
 $E = 47.03'$
 P.C. STA. = 107+16.82
 P.T. STA. = 114+11.86

PROP. CURVE PW15
 PI STA. = 154+98.33
 $\Delta = 83^{\circ} 01' 50''$ (LT)
 $D = 24^{\circ} 45' 31''$
 $R = 231.42'$
 $T = 204.85'$
 $L = 335.36'$
 $E = 77.64'$
 P.C. STA. = 152+93.48
 P.T. STA. = 156+28.84

LEGEND

- FLOW DIRECTION
- - - LIMITS OF GRADING
- TREE PRESERVATION AREA



- CBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999 AREA 3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	GRADING AND DRAINAGE PLAN	

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE: 9/13/2006
 DRAWN BY: PWN
 CHECKED BY: MEK

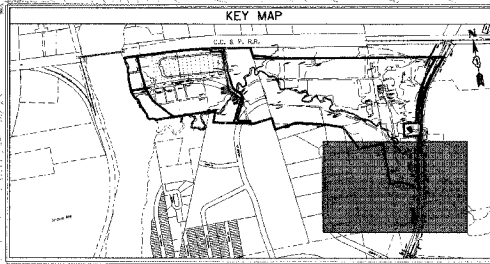
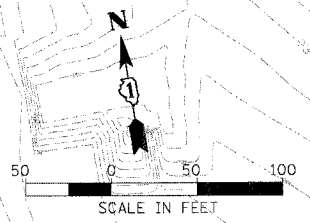
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 6975 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE: 9/13/2006
 FILE NAME: N:\In\recounting\814710102\1\PL\A\K71.BLDG1A
 USER NAME: C. BURKE

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	22
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- CBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

AREA 4

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GRADING AND DRAINAGE PLAN

SCALE: VERT. 1" = 50'
 HORIZ. DATE 9/13/2006

DRAWN BY PWN
 CHECKED BY MEK

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\Users\cburke\My Documents\81471\GRDNG\1\PLR\B471_P4.DWG
 USER NAME = CBURKE

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	23
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES:

- CONTRACTOR SHALL PROVIDE PROTECTION FROM GESE AND OTHER FOWL TO PERENNIAL PLANTS, WETLAND EMERGENT TYPE AND PERENNIAL PLANTS, WETLAND TYPE WITH PLANTER FENCE (SPECIAL) ..
- ALL SEEDING SHALL RECEIVE STRAW MULCH STABILIZATION, AT THE RATE OF 1.5 TONS/ACRE.
- SHADY FLOODPLAIN PLANTINGS SHALL CONSIST OF THE FOLLOWING:

SHADY FLOODPLAIN SHRUBS:

SCIENTIFIC NAME	COMMON NAME	STEMS/ACRE
ARONIA PRUNIFOLIA	BLACKCHOKEBERRY	15
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	30
CORNUS OBLIQUA	BLUE FRUITED DOGWOOD	30
CORNUS STOLONIFERA	RED-OSIER DOGWOOD	20
VIBURNUM LENTAGO	NANNYBERRY	15
VIBURNUM TRILOBUM	AMERICAN CRANBERRY	15

SHADY FLOODPLAIN TREES:

SCIENTIFIC NAME	COMMON NAME	STEMS/ACRE
CELTIS OCCIDENTALIS	HACKBERRY	8
CORNUS ALTERNIFOLIA	PAGODA DOGWOOD	8
FRAXINUS PENNSYLVANICA SUBINTERRIGIMA	GREEN ASH	35
QUERCUS BICOLOR	SWAMP WHITE OAK	15
QUERCUS MACROCARPA	BURROAK	25
SALIX NIGRA	BLACK WILLOW	5

4. PRAIRIE PLANTINGS SHALL CONSIST OF THE FOLLOWING:

PRAIRIE TREES:

SCIENTIFIC NAME	COMMON NAME	SHRUBS/ACRE
ARONIA PRUNIFOLIA	BLACK CHOKEBERRY	8
CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	8
CORNUS OBLIQUA	BLUE FRUITED DOGWOOD	8
CORNUS STOLONIFERA	RED-OSIER DOGWOOD	8
VIBURNUM LENTAGO	NANNYBERRY	8

PRAIRIE SHRUBS:

SCIENTIFIC NAME	COMMON NAME	TREES/ACRE
BETULA NIGRA	RIVER BIRCH	2
CELTIS OCCIDENTALIS	HACKBERRY	2
FRAXINUS PENNSYLVANICA	GREEN ASH	2
QUERCUS BICOLOR	SWAMP WHITE OAK	1
QUERCUS MACROCARPA	BURR OAK	1
SALIX NIGRA	BLACKWILLOW	1

5. WET TO MESIC SAVANNA PLANTINGS SHALL CONSIST OF THE FOLLOWINGS:

WET TO MESIC SAVANNA

SCIENTIFIC NAME	COMMON NAME	Stems/Acre
CRATAEGUS MOLLIS	DOWNY HAWTHORN	15
FRAXINUS AMERICANA	WHITE ASH	15
MALUS IDENSIS	PRAIRIE CRAB APPLE	15
OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	40
QUERCUS MACROCARPA	BUR OAK	40
QUERCUS RUBRA	RED OAK	40

6. THE FOLLOWING ARE NOMINAL QUANTITIES AND SHALL BE USED ONLY WHEN DIRECTED BY THE ENGINEER:

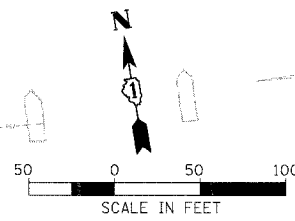
- INTERSEEDING, CLASS 4 (MODIFIED) SEDGE MEADOW
- INTERSEEDING, CLASS 4 (MODIFIED) EMERGENT AQUATIC
- INTERSEEDING, CLASS 5 OR 6 (MODIFIED) SEDGE MEADOW
- INTERSEEDING, CLASS 6 OR 6 (MODIFIED) EMERGENT AQUATIC
- SELECTIVE CLEARING
- WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL

7. MULCH, METHOD 2 SHALL BE USED WITH TEMPORARY EROSION CONTROL SEEDING AFTER FINAL GRADE HAS BEEN REACHED. PROCEDURE 1 WILL NOT BE PERMITTED.

8. THE CONTRACTOR SHALL GIVE A MINIMUM 72-HOUR NOTICE TO THE ENGINEER TO ALLOW ENOUGH TIME FOR THE LAYOUT OF THE PERENNIAL PLANTINGS, TREES AND SHRUBS.

LEGEND

- SEEDING, CLASS 7
- SEEDING, CLASS 2A
- SEEDING, CLASS 4 (MODIFIED) MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
- SEEDING, CLASS 4 (MODIFIED) WET TO MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET TO MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
- SEEDING, CLASS 4 (MODIFIED) WET PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
- SEEDING, CLASS 4 (MODIFIED) WET TO MESIC SAVANNA, SEEDING, CLASS 5 (MODIFIED) WET TO MESIC SAVANNA AND TREE AND SHRUBS (SEE NOTE 5)
- SEEDING, CLASS 4 (MODIFIED) SHADY FLOODPLAIN AND SEEDING, CLASS 5 (MODIFIED) SHADY FLOODPLAIN WITH SHADY FLOODPLAIN PLANTINGS (SEE NOTE 3)
- SEEDING, CLASS 4 (MODIFIED) DETENTION BASIN, SEEDING, CLASS 5 (MODIFIED) DETENTION BASIN AND PERENNIAL PLANTS, WETLAND TYPE (DETENTION BASIN PLANTINGS)
- SEEDING, CLASS 4 (MODIFIED) SEDGE MEADOW AND SEEDING, CLASS 5 (MODIFIED) SEDGE MEADOW
- SEEDING, CLASS 4 (MODIFIED) EMERGENT AQUATIC AND SEEDING, CLASS 5 (MODIFIED) EMERGENT AQUATIC
- PERENNIAL PLANTS, WETLAND EMERGENT TYPE (SUBMERGED AQUATIC PLANTINGS)



FOX RIVER

WETLAND 23 FOX RIVER

TREE PRESERVATION AREA

FOX RIVER

TREE PRESERVATION AREA

PROPERTY LINE

STEARNS ROAD

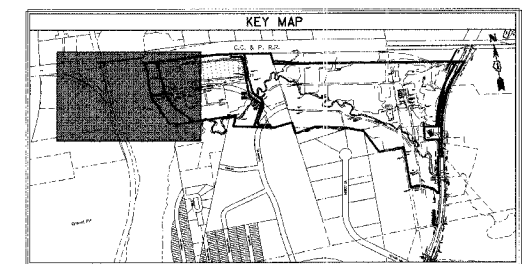
AREA 1

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: VERT. 1" = 50'
 HORIZ. DATE 9/13/2006

DRAWN BY RCB
 CHECKED BY MEK



REVISIONS NAME	DATE

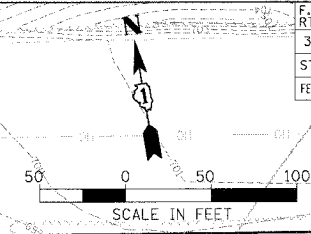
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 PLOT SCALE = 1" = 50'
 USER NAME = USER8

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	24
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NORTH ARM OF BREWSTER CREEK

STEARNS ROAD

STEARNS ROAD

BREWSTER CREEK

BREWSTER CREEK

TREE PRESERVATION AREA

TREE PRESERVATION AREA

TREE PRESERVATION AREA

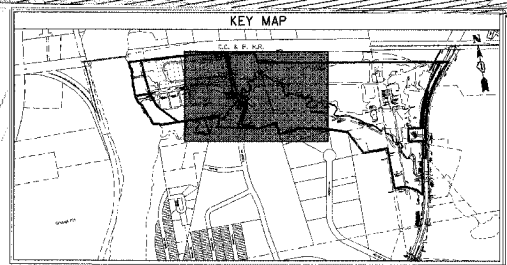
TREE PRESERVATION AREA

TREE PRESERVATION AREA

TREE PRESERVATION AREA

AREA 2

- LEGEND**
- SEEDING, CLASS 7
 - SEEDING, CLASS 2A
 - SEEDING, CLASS 4 (MODIFIED) MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET TO MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET TO MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET TO MESIC SAVANNA, SEEDING, CLASS 5 (MODIFIED) WET TO MESIC SAVANNA AND TREE AND SHRUBS (SEE NOTE 5)
 - SEEDING, CLASS 4 (MODIFIED) SHADY FLOODPLAIN SEEDING, CLASS 5 (MODIFIED) SHADY FLOODPLAIN WITH SHADY FLOODPLAIN PLANTINGS (SEE NOTE 3)
 - SEEDING, CLASS 4 (MODIFIED) DETENTION BASIN, SEEDING, CLASS 5 (MODIFIED) DETENTION BASIN AND PERENNIAL PLANTS, WETLAND TYPE (DETENTION BASIN PLANTINGS)
 - SEEDING, CLASS 4 (MODIFIED) SEDGE MEADOW AND SEEDING, CLASS 5 (MODIFIED) SEDGE MEADOW
 - SEEDING, CLASS 4 (MODIFIED) EMERGENT AQUATIC AND SEEDING, CLASS 5 (MODIFIED) EMERGENT AQUATIC
 - PERENNIAL PLANTS, WETLAND EMERGENT TYPE (SUBMERGED AQUATIC PLANTINGS)



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'

DATE: 9/13/2006

DRAWN BY: RCB
 CHECKED BY: MEK

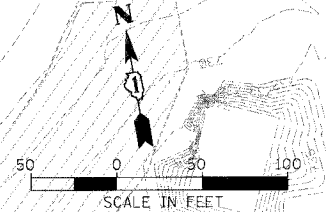
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



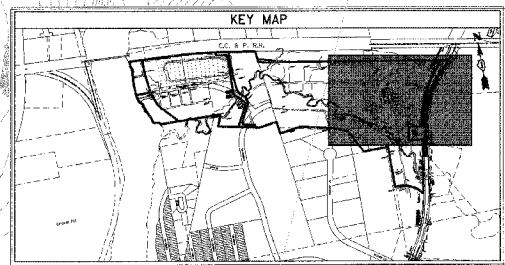
PLOT DATE: 9/13/2006
 PLOT SCALE: 1" = 100'
 USER NAME: RCB

CONTRACT NO. 83862

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	25
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- SEEDING, CLASS 7
 - SEEDING, CLASS 2A
 - SEEDING, CLASS 4 (MODIFIED) MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET TO MESIC PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET TO MESIC PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET PRAIRIE AND SEEDING, CLASS 5 (MODIFIED) WET PRAIRIE WITH TREES AND SHRUBS (SEE NOTE 4)
 - SEEDING, CLASS 4 (MODIFIED) WET TO MESIC SAVANNA, SEEDING, CLASS 5 (MODIFIED) WET TO MESIC SAVANNA AND TREE AND SHRUBS (SEE NOTE 5)
 - SEEDING, CLASS 4 (MODIFIED) SHADY FLOODPLAIN SEEDING, CLASS 5 (MODIFIED) SHADY FLOODPLAIN WITH SHADY FLOODPLAIN PLANTINGS (SEE NOTE 3)
 - SEEDING, CLASS 4 (MODIFIED) DETENTION BASIN, SEEDING, CLASS 5 (MODIFIED) DETENTION BASIN AND PERENNIAL PLANTS, WETLAND TYPE (DETENTION BASIN PLANTINGS)
 - SEEDING, CLASS 4 (MODIFIED) SEDGE MEADOW AND SEEDING, CLASS 5 (MODIFIED) SEDGE MEADOW
 - SEEDING, CLASS 4 (MODIFIED) EMERGENT AQUATIC AND SEEDING, CLASS 5 (MODIFIED) EMERGENT AQUATIC
 - PERENNIAL PLANTS, WETLAND EMERGENT TYPE (SUBMERGED AQUATIC PLANTINGS)



AREA 3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	LANDSCAPING PLAN	
		SCALE: VERT. 1" = 50'	
		HORIZ. 1" = 100'	
		DATE	9/13/2006
		DRAWN BY	RCB
		CHECKED BY	MEK

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 Rosemont, Illinois 60018
 (847) 823-0500



PLT DATE = 9/13/2006
 FILE NAME = N:\Information\81470000\1\PLN\014712.LSP
 USER NAME = RLBGEB

CONTRACT NO. 83862

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	28
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A									
DORMANT SEEDING												
TEMPORARY EROSION CONTROL SEEDING			C			D						
EROSION BLANKET												
MULCH, METHOD 2												

A VARIES SEE LANDSCAPING PLAN
 B NOT USED
 C SPRING OATS 100 LBS/ACRE
 D WINTER WHEAT OR CEREAL RYE 100 LBS/ACRE.
 E STRAW MULCH 2 TONS/ACRE.

SOIL PROTECTION CHART

Hazardous Products:

These practices are used to reduce the risks associated with hazardous materials:

- Products will be kept in original containers unless they are not resealable.
- Original labels and material safety data will be retained.
- If surplus product must be disposed of, manufacturers or local and state recommended methods for proper disposal will be followed.

Spill Control Practices:

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturer's recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area on site. Equipment and materials will include, but not be limited to, brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with hazardous substances.
- Spills of toxic or hazardous material will be reported to the appropriate state or local government agency, regardless of size.
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to clean up the spill if there is one. A description of the spill, what caused it and the cleanup measures will also be included.
- The contractor shall be responsible for day-to-day operations and will be the spill prevention and cleanup coordinator. He will designate at least two other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel, listed below, will be posted in the material storage area and in the office trailer onsite.

Name: _____ Contractor: _____

Name: _____ Contractor: _____

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 (617) 822-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\View\proj\104710R1D\CG_v1\01\07\0R1D-2.SWP
 USER NAME = RUSSETT

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE.

I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Christopher B. Burke, CPESC
 SIGNATURE TITLE DATE
 Christopher B. Burke Eng.
 COMPANY

CONTRACTOR CERTIFICATION

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION"

GENERAL CONTRACTOR

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____

SUB-CONTRACTOR RESPONSIBLE FOR:

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____

SUB-CONTRACTOR RESPONSIBLE FOR:

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____

WITNESSED BY OWNER

SIGNATURE _____ TITLE _____ DATE _____

COMPANY _____

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STORM WATER POLLUTION
 PREVENTION PLAN

SCALE: VERT. N.T.S.
 HORIZ. DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

CONTRACT NO. 83862

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	29
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

**STORM WATER POLLUTION PREVENTION PLAN –
CONSTRUCTION STAGING**

PRE-STAGE I:

INSTALL TEMPORARY FENCE, PERIMETER EROSION BARRIER, ROLLED EXCELSIOR, INLET AND PIPE PROTECTION AT EXISTING CULVERTS, REMOVE GRAVEL AREAS, PLACE TOPSOIL AND TEMPORARY SEEDING AS SHOWN ON THE PLANS. BEGIN THE REMOVAL OF TREES, BUILDINGS AND OTHER STRUCTURES. (SITE CLEARING WILL BE COMPLETED DURING STAGES I TO IV.)

GENERAL SEQUENCE OF WORK STAGE I TO IV:

- 1-SITE CLEARING
- 2-CONSTRUCTION OF PUMPING BASINS AND SUMP PITS
- 3-COMplete EARTH WORK AND STORM SEWER INSTALLATION, CONSTRUCT THE PERMANENT SOIL EROSION AND SEDIMENT CONTROL ITEMS. GRAVITY STORM SEWER OUTLETS SHALL BE BLOCKED UNTIL PERMANENT SOILS STABILIZATION HAS OCCURRED.
- 4-COMplete PERMANENT OR TEMPORARY SOIL STABILIZATION
- 5-REMOVE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL ITEMS AND PUMPING BASINS AND SUMP PITS

STAGE I:

COMPLETE WORK FOR THE CONSTRUCTION OF DETENTION POND 4 AND NEW STERNS ROAD BETWEEN THE FOX RIVER AND THE NORTH ARM OF BREWSTER CREEK.

STAGE II:

COMPLETE WORK FOR THE CONSTRUCTION OF DETENTION PONDS 1, 2 AND 3. BEGIN EARTHWORK FOR NEW STERNS ROAD BETWEEN THE NORTH ARM OF BREWSTER CREEK AND IL ROUTE 25.

STAGE III:

COMPLETE WORK FOR THE CONSTRUCTION OF DETENTION POND 5, COMPENSATORY STORAGE/ WETLAND MITIGATION AREAS 4 AND 5 AND NEW STERNS ROAD BETWEEN THE NORTH ARM OF BREWSTER CREEK AND IL ROUTE 25.

STAGE IV:

COMPLETE WORK FOR THE CONSTRUCTION OF THE COMPENSATORY STORAGE WETLAND MITIGATION AREAS 1, 2 AND 3.

NOTES FOR CONSTRUCTION STAGING:

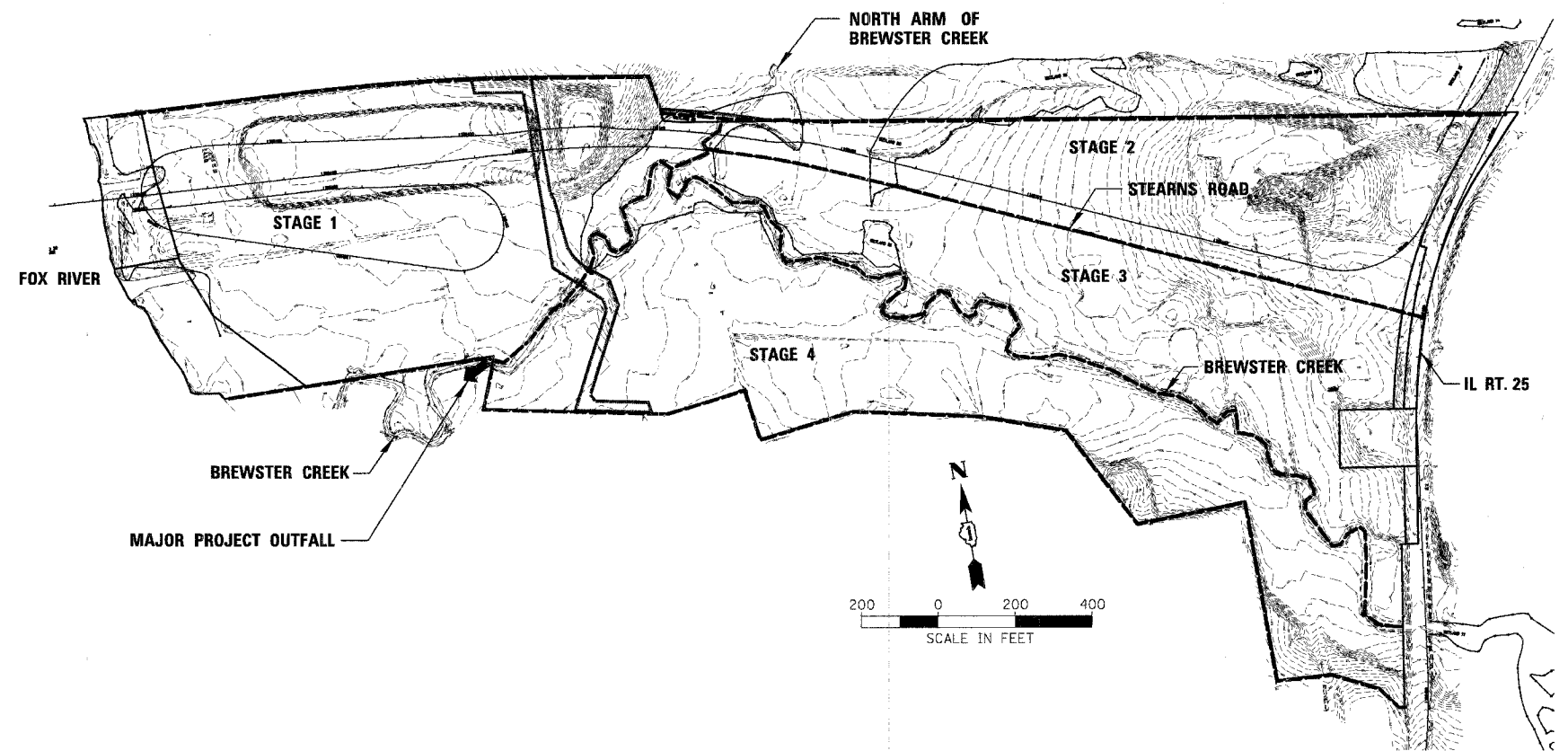
THE CONTRACTOR WILL BE PERMITTED TO BORROW AND/OR STOCKPILE IN AREAS OUTSIDE OF THE CURRENT STAGE OF CONSTRUCTION PROVIDED SOIL EROSION AND SEDIMENT CONTROL MEASURES ARE PROVIDED AT THE BORROW OR STOCKPILE SITE. THE CONTRACTOR'S SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE APPROVED PRIOR TO WORK BEGINNING AT THE BORROW OR STOCKPILE SITE.

PUMPING BASINS SHALL BE CONSTRUCTED PRIOR TO BEGINNING CONSTRUCTION OF EACH DETENTION POND OR COMPENSATORY STORAGE/ WETLAND MITIGATION AREAS. THE BASIN SHALL NOT BE REMOVED UNTIL THE SOIL HAS BEEN STABILIZED. ALL WATER SHALL BE PUMPED DIRECTLY INTO A PUMPING BASIN FROM A SUMP LOCATED WITHIN THE WORK ZONE.

THE SOIL IN THE DOWNSTREAM DETENTION PONDS, COMPENSATORY STORAGE/ WETLAND MITIGATION AREAS SHALL BE EITHER PERMANENTLY OR TEMPORARILY STABILIZED PRIOR TO STARTING ANY UPSTREAM CONSTRUCTION. THE TYPE OF STABILIZATION REQUIRED WILL BE BASED ON THE PLANTING SEASON FOR THE PERMANENT STABILIZATION METHOD SHOWN ON THE LANDSCAPING PLANS AND THE TIME OF YEAR WORK HAS BEEN COMPLETED. THE TYPE OF STABILIZATION WILL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

TEMPORARY SOIL STABILIZATION METHODS:

- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING WITH MULCH, METHOD 2



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 822-0600



PLOT DATE = 9/13/2006
 FILE NAME = N:\Projects\83862\83862.dwg
 USER NAME = RCB

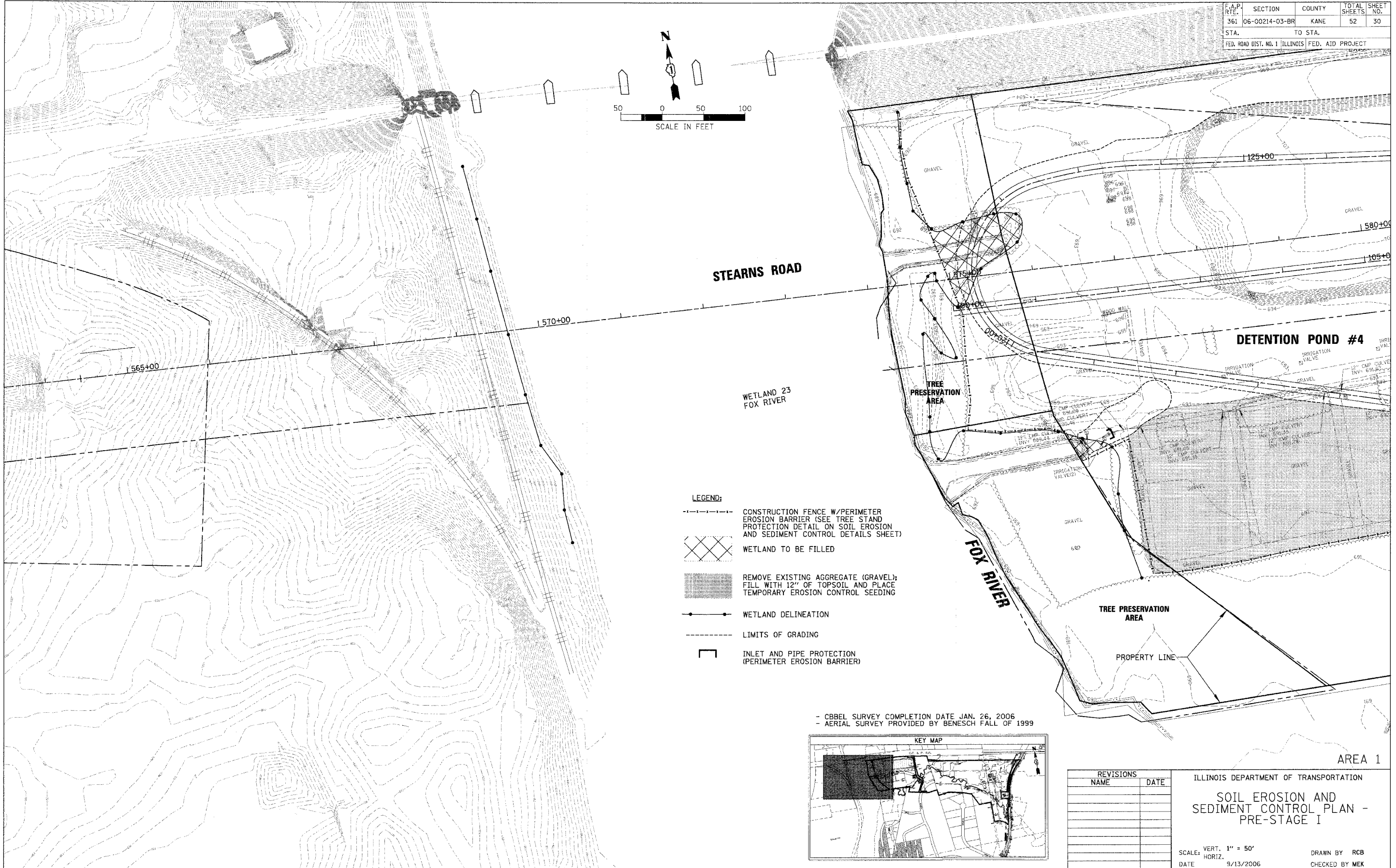
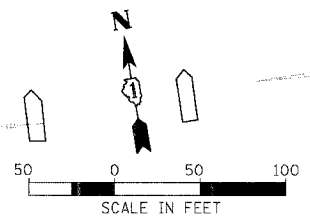
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**STORM WATER POLLUTION
 PREVENTION PLAN
 CONSTRUCTION STAGING**

SCALE: VERT. 1" = 200'
 HORIZ. DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

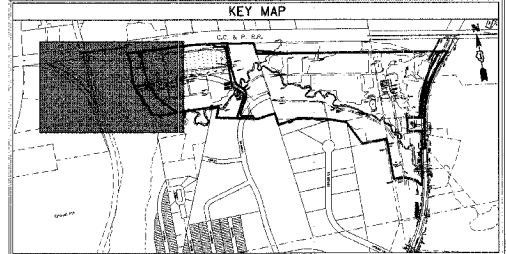
CONTRACT NO. 83862

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	30
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- CONSTRUCTION FENCE W/PERIMETER EROSION BARRIER (SEE TREE STAND PROTECTION DETAIL ON SOIL EROSION AND SEDIMENT CONTROL DETAILS SHEET)
 - WETLAND TO BE FILLED
 - REMOVE EXISTING AGGREGATE (GRAVEL); FILL WITH 12" OF TOPSOIL AND PLACE TEMPORARY EROSION CONTROL SEEDING
 - WETLAND DELINEATION
 - LIMITS OF GRADING
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)

- CBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - PRE-STAGE I
 SCALE: VERT. 1" = 50'
 HORIZ. DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

AREA 1

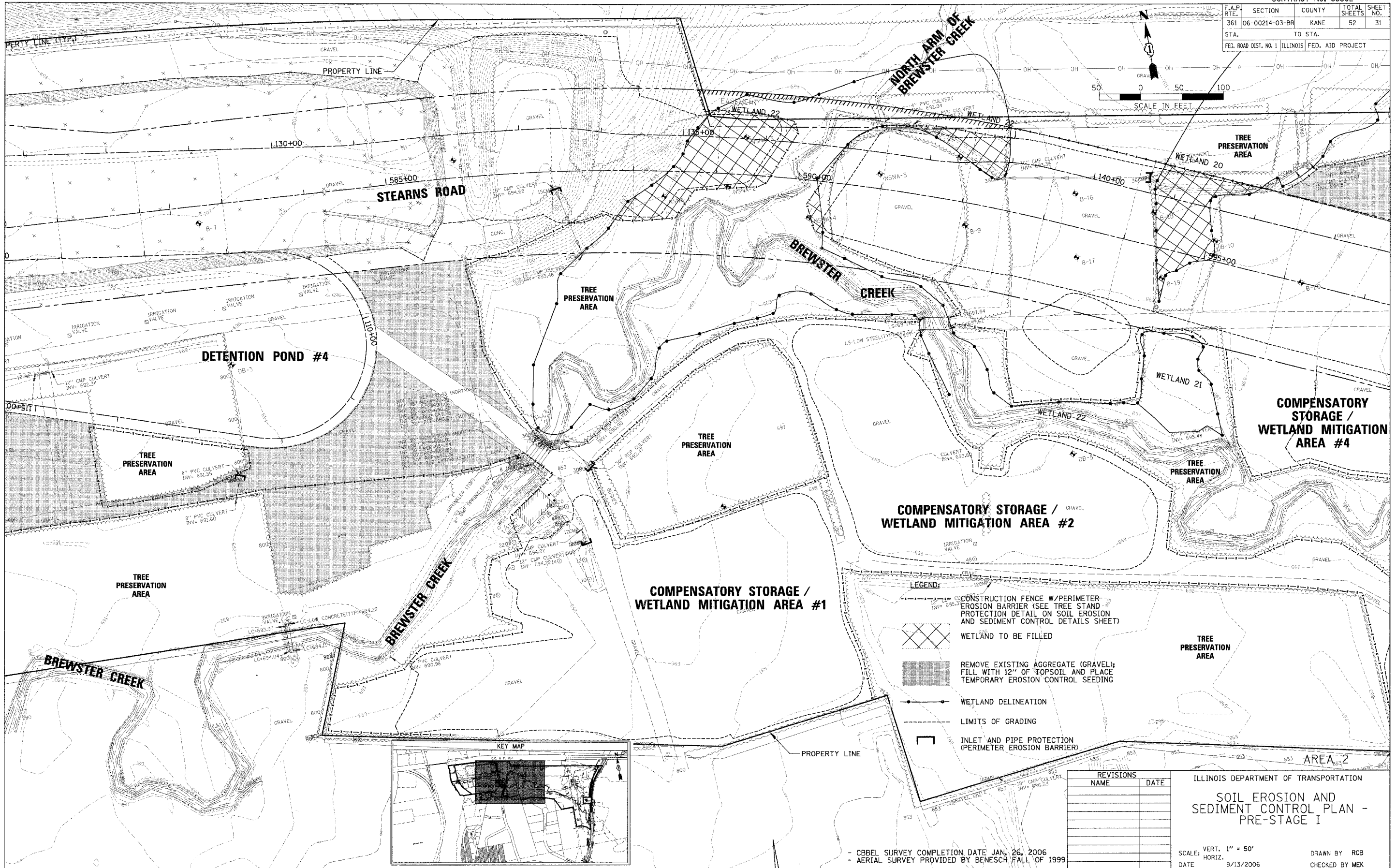
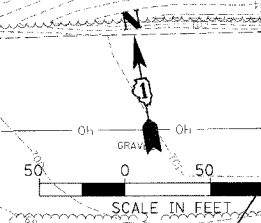
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 PLOT SCALE = 1" = 50'
 USER NAME = RCB

CONTRACT NO. 83862

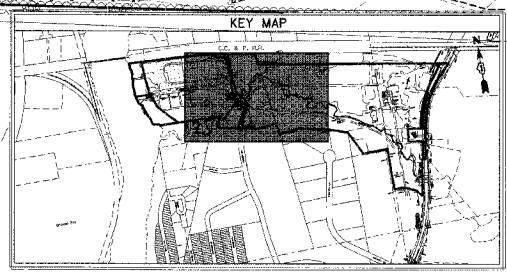
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	31
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 Rosemont, Illinois 60018
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PLOT DATE = 9/13/2006
 PLOT NAME = N:\Users\cburke\My Documents\147101010\147101010_VEX_071_02.ECP
 USER NAME = CBURKE



- LEGEND:**
- CONSTRUCTION FENCE W/PERIMETER EROSION BARRIER (SEE TREE STAND PROTECTION DETAIL ON SOIL EROSION AND SEDIMENT CONTROL DETAILS SHEET)
 - WETLAND TO BE FILLED
 - REMOVE EXISTING AGGREGATE (GRAVEL); FILL WITH 12" OF TOPSOIL AND PLACE TEMPORARY EROSION CONTROL SEEDING
 - WETLAND DELINEATION
 - LIMITS OF GRADING
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)

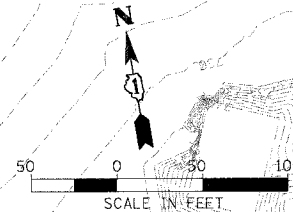
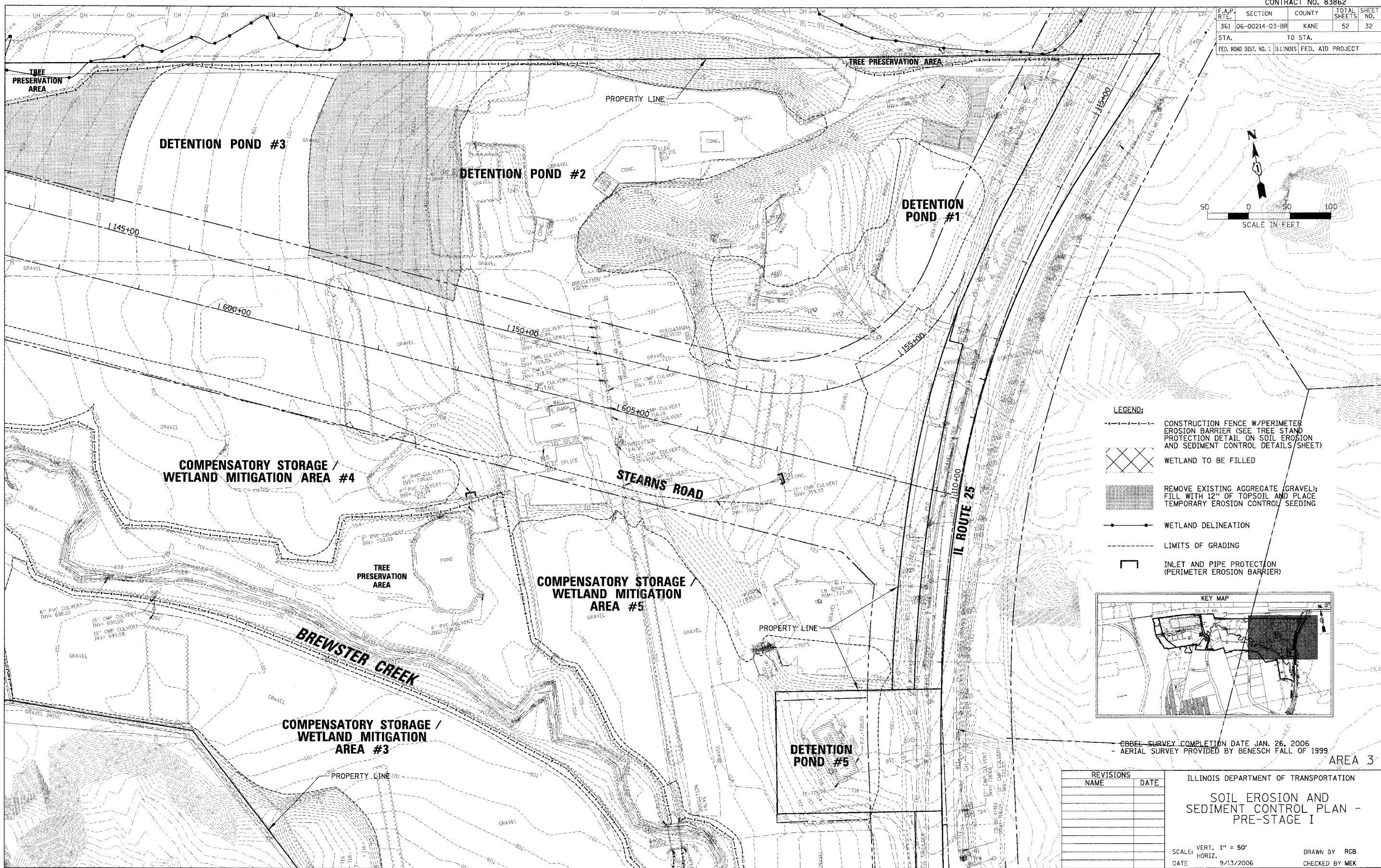
REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - PRE-STAGE I
 SCALE: VERT. 1" = 50'
 HORIZ. DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

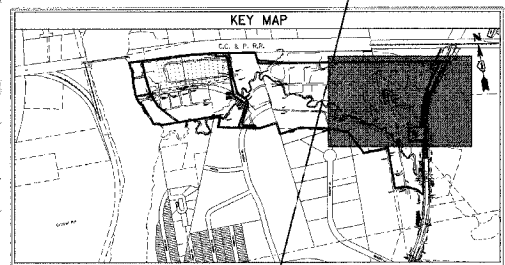
- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

CONTRACT NO. 83862

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	32
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- CONSTRUCTION FENCE W/PERIMETER EROSION BARRIER (SEE TREE STAND PROTECTION DETAIL ON SOIL EROSION AND SEDIMENT CONTROL DETAILS SHEET)
 - WETLAND TO BE FILLED
 - REMOVE EXISTING AGGREGATE (GRAVEL); FILL WITH 12" OF TOPSOIL AND PLACE TEMPORARY EROSION CONTROL/ SEEDING
 - WETLAND DELINEATION
 - LIMITS OF GRADING
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)



- CBBL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

AREA 3

REVISIONS	DATE
NAME	

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - PRE-STAGE I

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

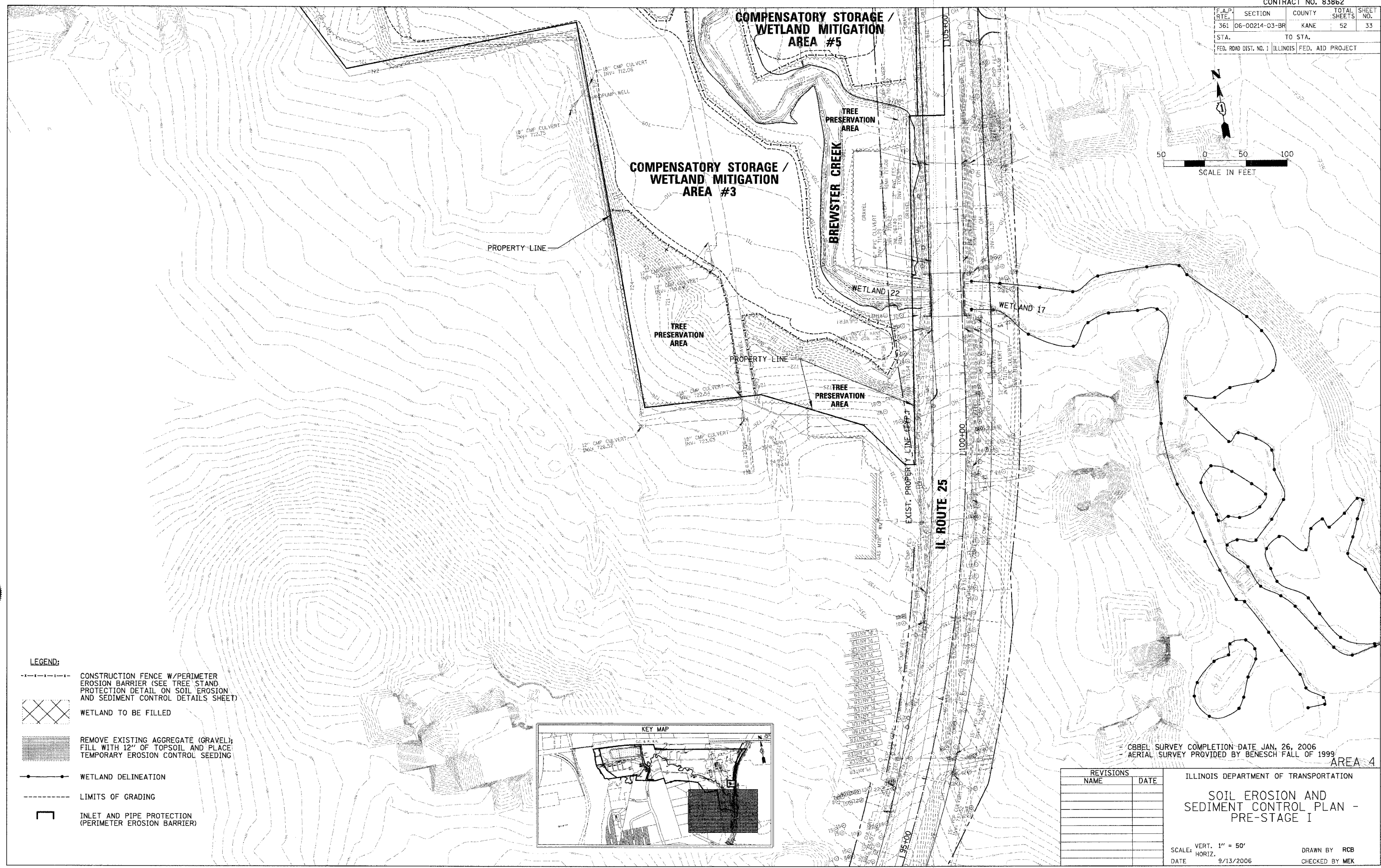
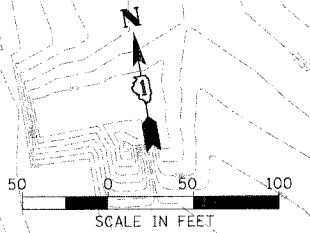
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 822-0500



PLOT DATE = 9/13/2006
 PLOT NAME = N:\New\m00114\141701RD\Civil\EXH.2\1417_83LEP
 PLOT SCALE = 1" = 100'
 USER NAME = RCB

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

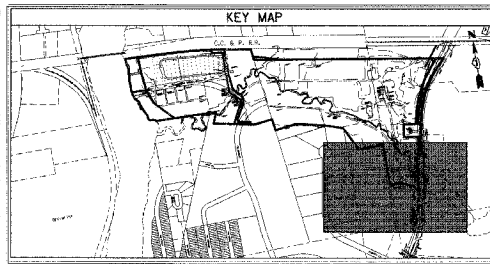


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 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 FILE NAME = N:\kennecott\047\GRDN\LINE\A.21471.84.ECP
 PLOT SCALE = 5"
 USER NAME = RCB

- LEGEND:**
- CONSTRUCTION FENCE W/PERIMETER EROSION BARRIER (SEE TREE STAND PROTECTION DETAIL ON SOIL EROSION AND SEDIMENT CONTROL DETAILS SHEET)
 - WETLAND TO BE FILLED
 - REMOVE EXISTING AGGREGATE (GRAVEL); FILL WITH 12" OF TOPSOIL AND PLACE TEMPORARY EROSION CONTROL SEEDING
 - WETLAND DELINEATION
 - LIMITS OF GRADING
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)



REVISIONS	
NAME	DATE

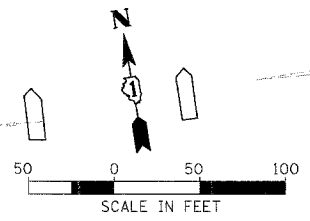
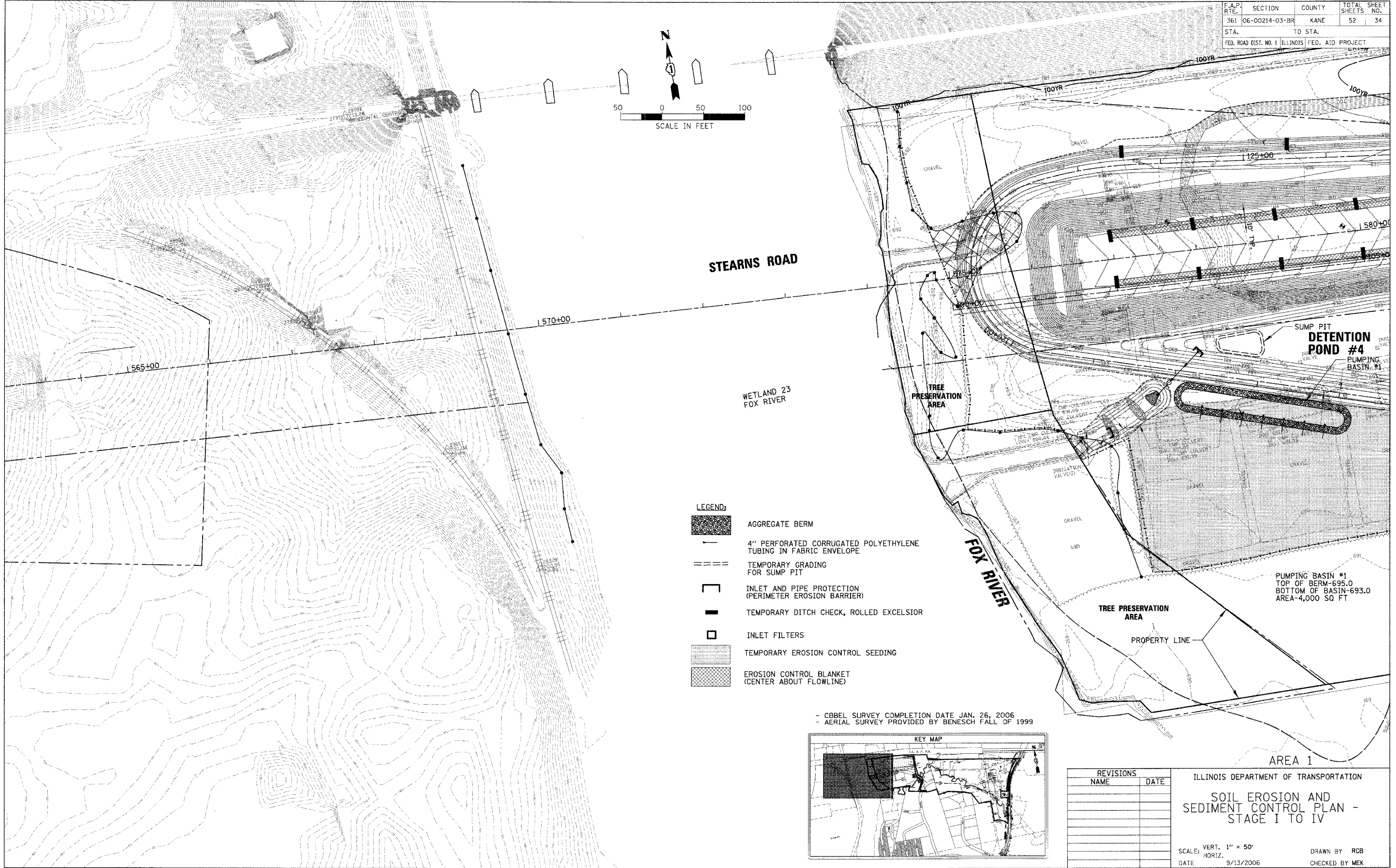
ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - PRE-STAGE I
 SCALE: VERT. 1" = 50'
 DATE: 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

AREA 4

CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

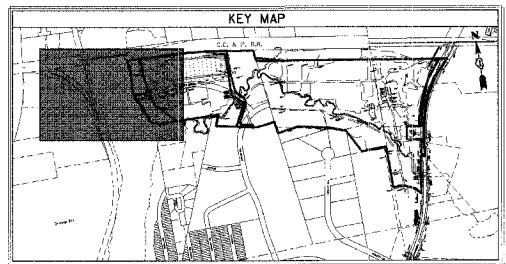
CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEETS NO.
361	06-00214-03-BR	KANE	52	34
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- AGGREGATE BERM
 - 4" PERFORATED CORRUGATED POLYETHYLENE TUBING IN FABRIC ENVELOPE
 - TEMPORARY GRADING FOR SUMP PIT
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)
 - TEMPORARY DITCH CHECK, ROLLED EXCELSIOR
 - INLET FILTERS
 - TEMPORARY EROSION CONTROL SEEDING
 - EROSION CONTROL BLANKET (CENTER ABOUT FLOWLINE)

- CBBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SOIL EROSION AND SEDIMENT CONTROL PLAN - STAGE I TO IV
NAME	DATE	

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE: 9/13/2006

DRAWN BY: RCB
 CHECKED BY: MEK

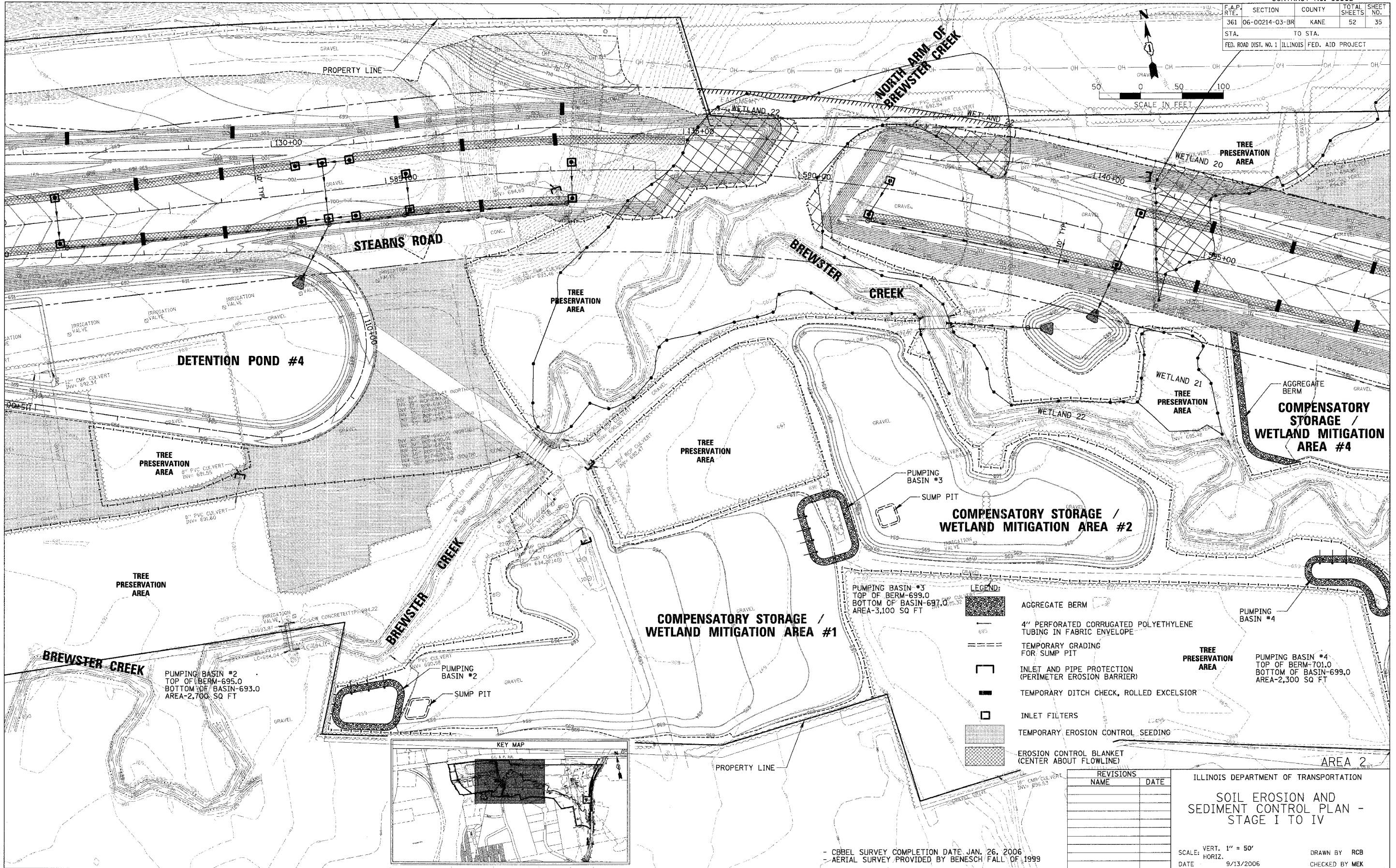
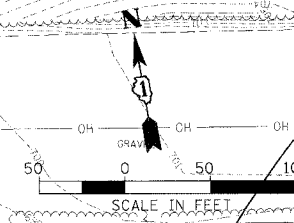
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
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CONTRACT NO. 83862

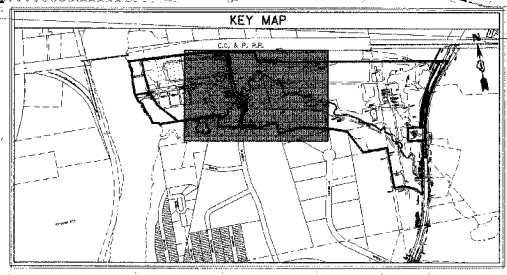
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361	06-00214-03-BR	KANE	52	35
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



PLOT DATE = 9/13/2006
 PLOT NAME = C:\Users\cburke\My Documents\043828\043828.dwg
 USER NAME = CBURKE



LEGEND:

- AGGREGATE BERM
- 4" PERFORATED CORRUGATED POLYETHYLENE TUBING IN FABRIC ENVELOPE
- TEMPORARY GRADING FOR SUMP PIT
- INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)
- TEMPORARY DITCH CHECK, ROLLED EXCELSIOR
- INLET FILTERS
- TEMPORARY EROSION CONTROL SEEDING
- EROSION CONTROL BLANKET (CENTER ABOUT FLOWLINE)

PUMPING BASIN #2
 TOP OF BERM-695.0
 BOTTOM OF BASIN-693.0
 AREA-2,700 SQ FT

PUMPING BASIN #2
 TOP OF BERM-690.98
 BOTTOM OF BASIN-689.11

PUMPING BASIN #3
 TOP OF BERM-699.0
 BOTTOM OF BASIN-697.0
 AREA-3,100 SQ FT

PUMPING BASIN #3
 TOP OF BERM-699.0
 BOTTOM OF BASIN-697.0
 AREA-3,100 SQ FT

PUMPING BASIN #4
 TOP OF BERM-701.0
 BOTTOM OF BASIN-699.0
 AREA-2,300 SQ FT

REVISIONS	NAME	DATE

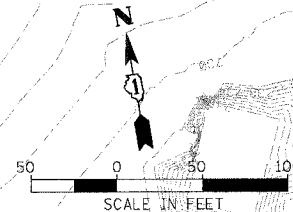
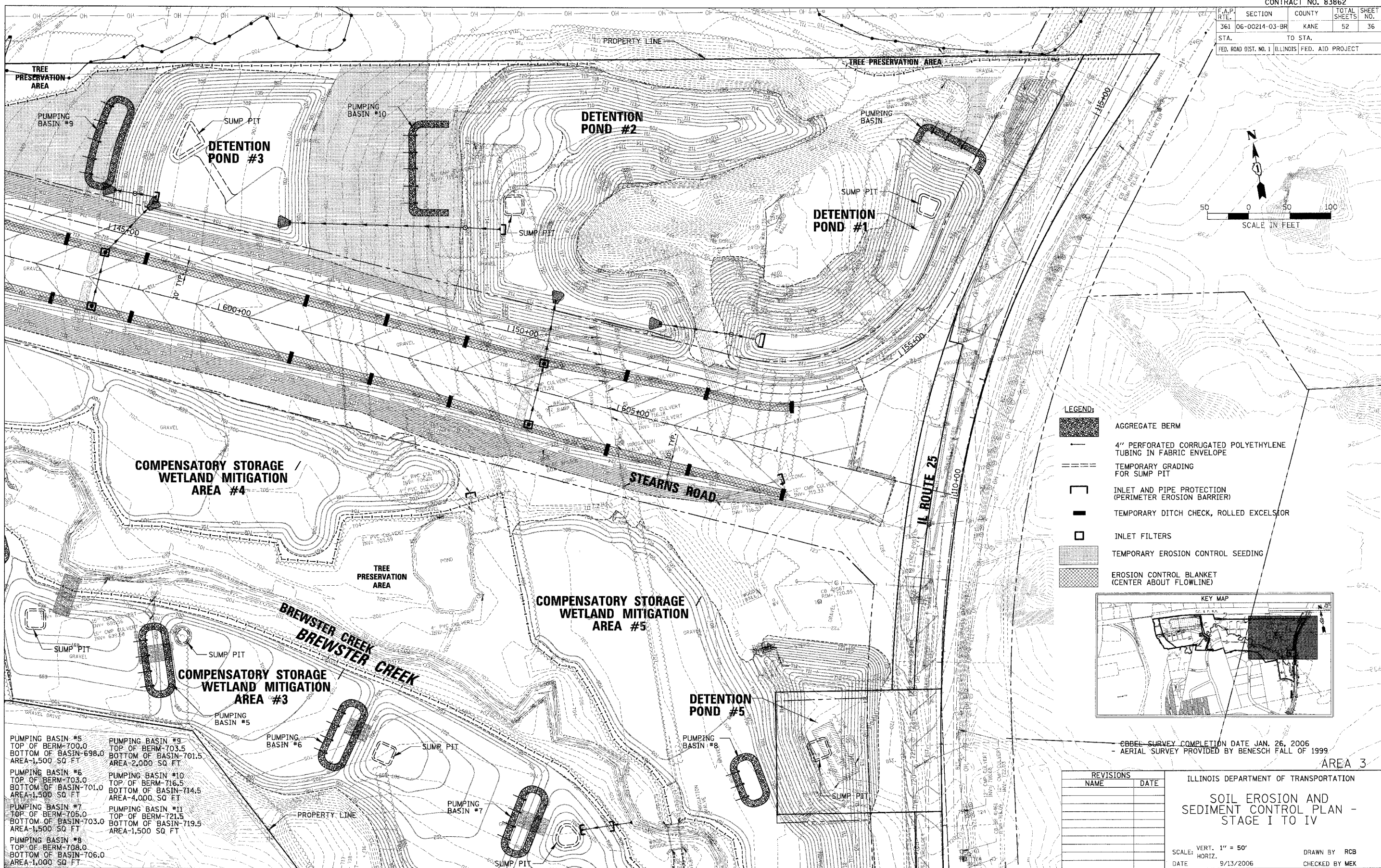
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SOIL EROSION AND SEDIMENT CONTROL PLAN - STAGE I TO IV

- CBBEL SURVEY COMPLETION DATE, JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

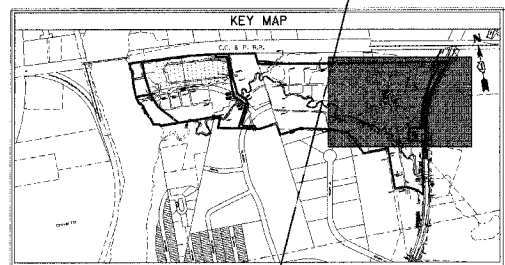
SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

CONTRACT NO. 83862

F.A.P. R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	36
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- AGGREGATE BERM
 - 4" PERFORATED CORRUGATED POLYETHYLENE TUBING IN FABRIC ENVELOPE
 - TEMPORARY GRADING FOR SUMP PIT
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)
 - TEMPORARY DITCH CHECK, ROLLED EXCELSIOR
 - INLET FILTERS
 - TEMPORARY EROSION CONTROL SEEDING
 - EROSION CONTROL BLANKET (CENTER ABOUT FLOWLINE)



- CBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

AREA 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - STAGE I TO IV

SCALE: VERT. 1" = 50'
 HORIZ. 1" = 100'
 DATE 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

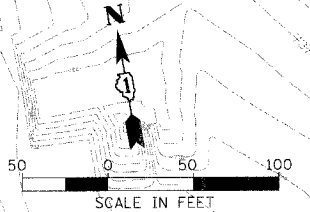
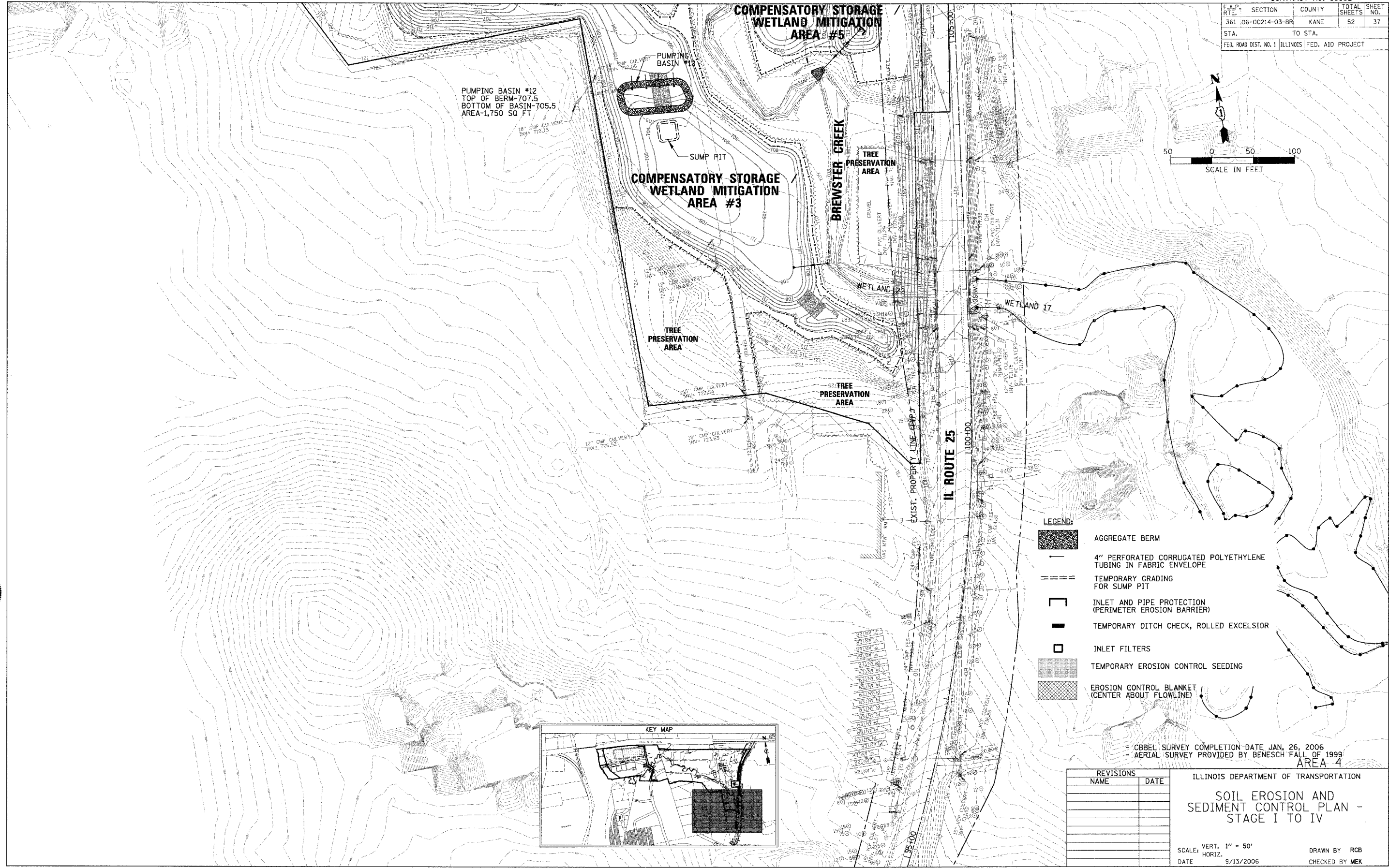


PLOT DATE = 9/13/2006
 FILE NAME = N:\Users\cburke\My Documents\814710\SD\G:\V\PRJ_2147_23.ECP
 USER NAME = BURKE

PUMPING BASIN #5 TOP OF BERM-700.0 BOTTOM OF BASIN-698.0 AREA-1,500 SQ FT	PUMPING BASIN #9 TOP OF BERM-703.5 BOTTOM OF BASIN-701.5 AREA-2,000 SQ FT
PUMPING BASIN #6 TOP OF BERM-703.0 BOTTOM OF BASIN-701.0 AREA-1,500 SQ FT	PUMPING BASIN #10 TOP OF BERM-716.5 BOTTOM OF BASIN-714.5 AREA-4,000 SQ FT
PUMPING BASIN #7 TOP OF BERM-705.0 BOTTOM OF BASIN-703.0 AREA-1,500 SQ FT	PUMPING BASIN #11 TOP OF BERM-721.5 BOTTOM OF BASIN-719.5 AREA-1,500 SQ FT
PUMPING BASIN #8 TOP OF BERM-708.0 BOTTOM OF BASIN-706.0 AREA-1,000 SQ FT	

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	37
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND:**
- AGGREGATE BERM
 - 4" PERFORATED CORRUGATED POLYETHYLENE TUBING IN FABRIC ENVELOPE
 - TEMPORARY GRADING FOR SUMP PIT
 - INLET AND PIPE PROTECTION (PERIMETER EROSION BARRIER)
 - TEMPORARY DITCH CHECK, ROLLED EXCELSIOR
 - INLET FILTERS
 - TEMPORARY EROSION CONTROL SEEDING
 - EROSION CONTROL BLANKET (CENTER ABOUT FLOWLINE)

- CBEL SURVEY COMPLETION DATE JAN. 26, 2006
 - AERIAL SURVEY PROVIDED BY BENESCH FALL OF 1999

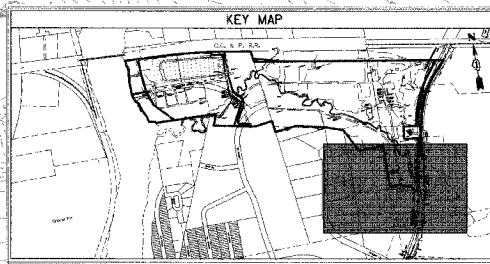
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL PLAN - STAGE I TO IV
 SCALE: VERT. 1" = 50'
 DATE: 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

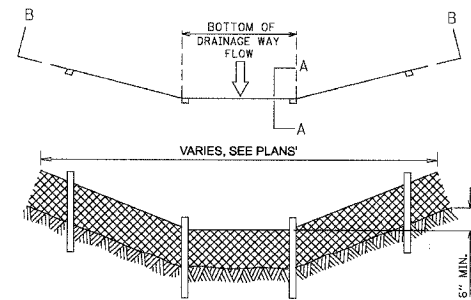
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



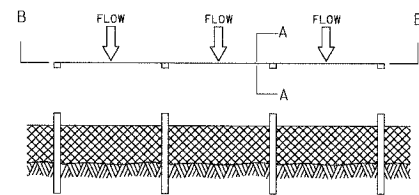
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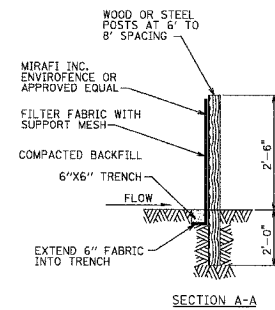
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	38
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SILT FENCE IN A DITCH
SECTION B-B



SILT FENCE ALONG A SLOPE
SECTION A-A

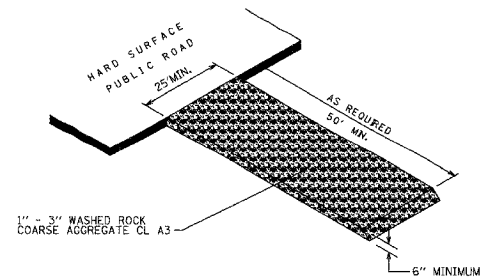


SECTION A-A

NOTES

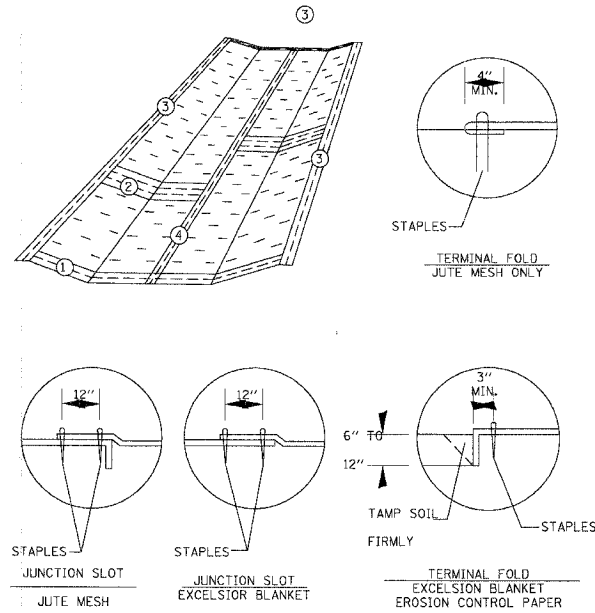
1. FILTER BARRIERS SHALL BE PLACED WHERE SHOWN ON THE PLANS AND WHERE INDICATED BY THE ENGINEER.
2. SEDIMENT TRAPPED BY THE FENCE SHALL BE REMOVED (AND PROPERLY DISPOSED OF) WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
3. BARRIERS SHALL BE MAINTAINED IN PLACE UNTIL THE UPSLOPE AREA HAS BEEN STABILIZED AND REMOVAL IS AUTHORIZED BY THE ENGINEER.

SILT FENCE
NTS

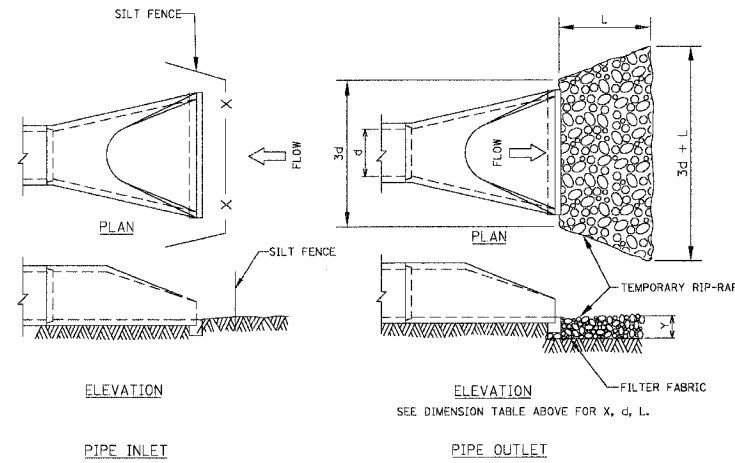


STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

EB1 = NAG S75 OR APPROVED EQUAL
EB2 = NAG SC150 OR APPROVED EQUAL



EROSION BLANKET DETAIL



INLET PROTECTION AT FES

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 823-0500



PLOT DATE = 9/13/2006
FILE NAME = N:\kenosha\proj\8147\GRID\Civil\8147\GRID-L.dwg
PLOT SCALE = 1" = 10'-0"
USER NAME = CBURKE

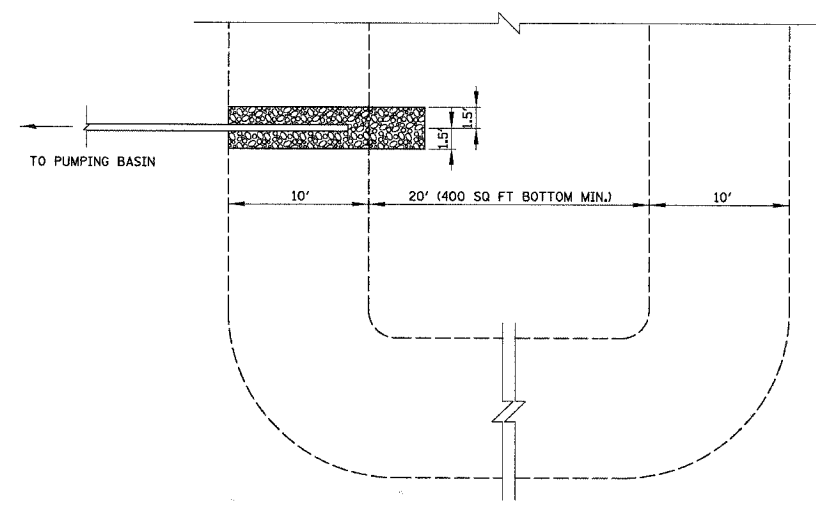
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL DETAILS

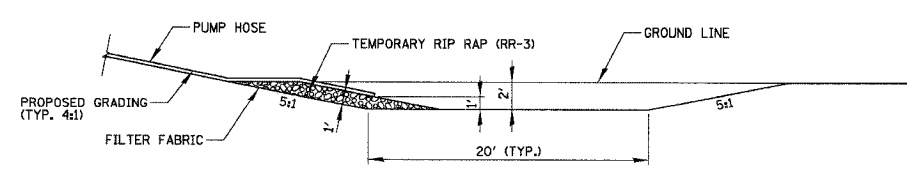
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HORIZ. 1" = 10'-0"
DATE 9/13/2006
DRAWN BY RCB
CHECKED BY MEK

CONTRACT NO. 83862

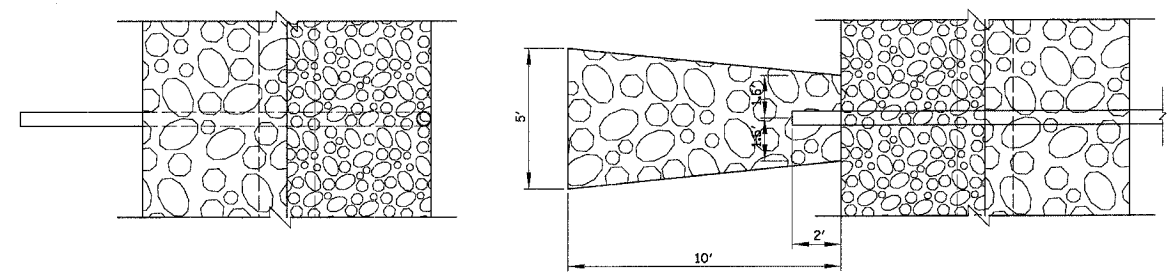
F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



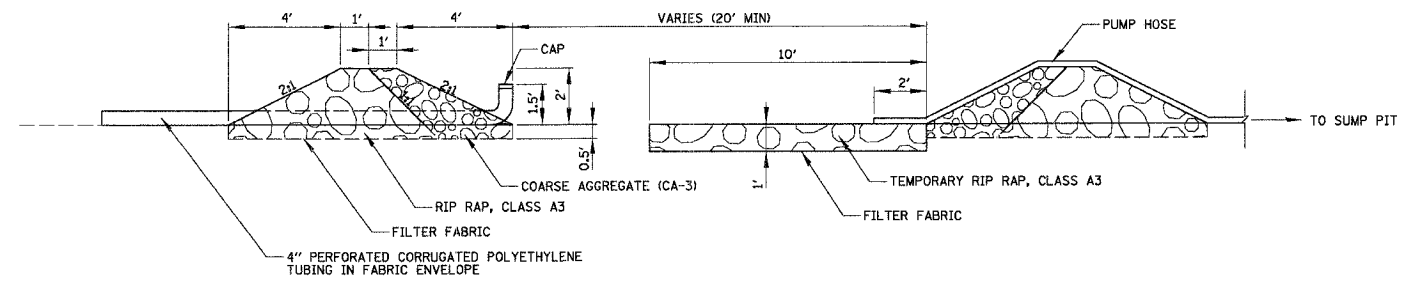
PLAN VIEW



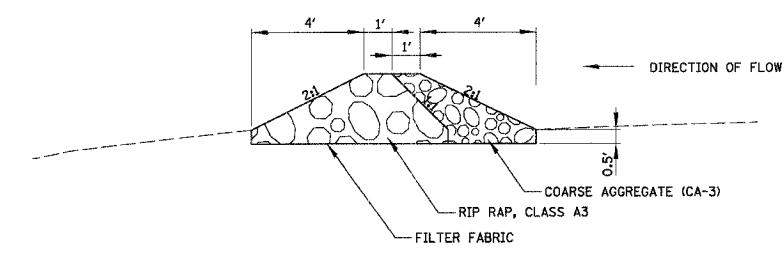
SECTION SUMP PIT DETAIL



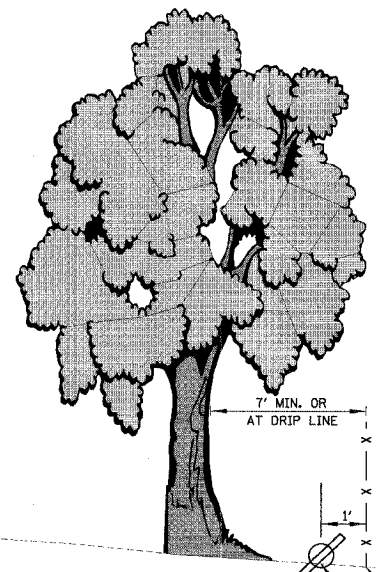
PLAN VIEW



SECTION PUMPING BASIN DETAIL



SECTION TEMPORARY AGGREGATE BERM DETAIL



LEGEND:
 1. THE FENCE SHALL BE LOCATED AT THE DRIP LINE OF THE TREES AND IN NO CASE CLOSER THAN 7' TO THE TRUNK OF ANY TREE.
 2. MAY ALSO BE USED AT WETLANDS, WATERS OF THE U.S. OR AT PROPERTY LINES. (SEE SOIL EROSION AND SEDIMENT CONTROL PLAN PRE-STAGE I SHEETS FOR LOCATIONS).

TREE STAND PROTECTION DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SOIL EROSION AND SEDIMENT CONTROL PLAN DETAILS

SCALE: VERT. N.T.S.
 HORIZ. 9/13/2006
 DRAWN BY RCB
 CHECKED BY MEK

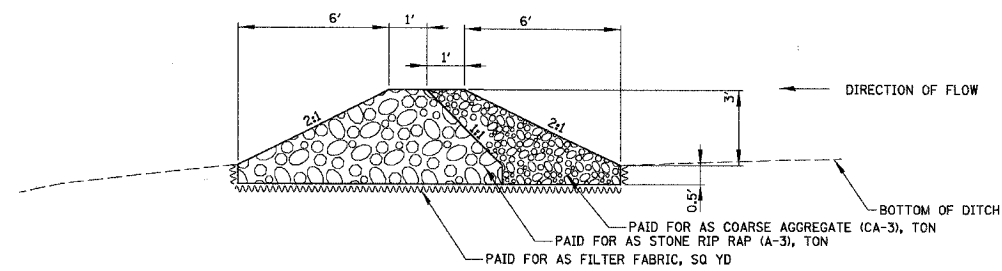
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



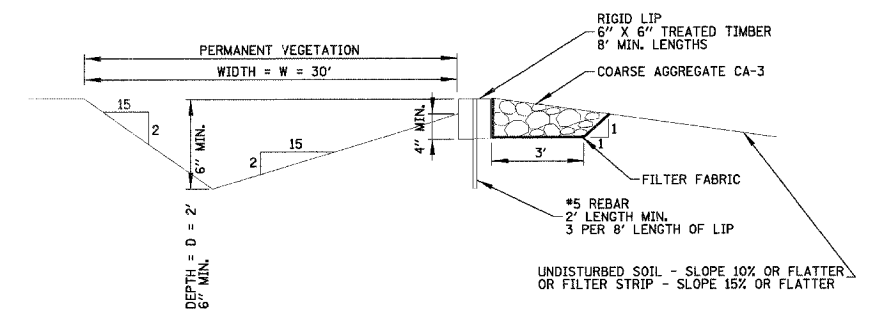
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CONTRACT NO. 83862

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	40
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



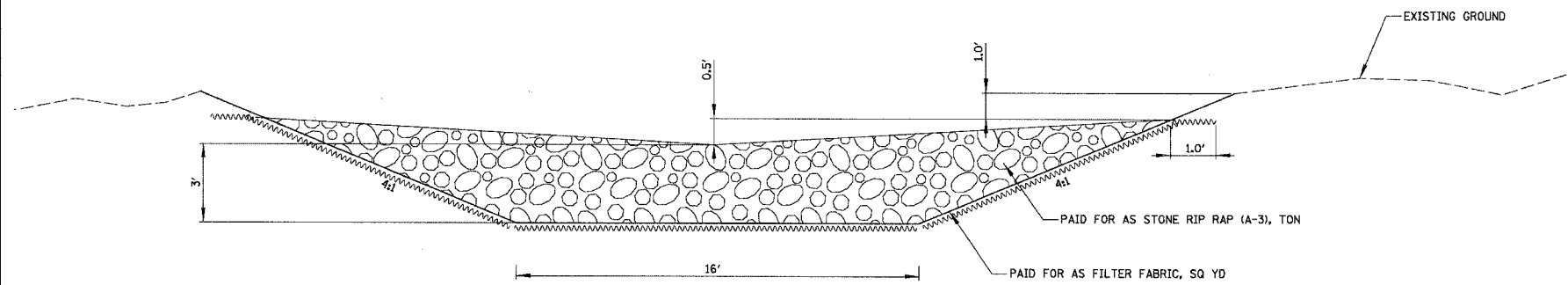
PROFILE



RIGID LIP WITH TIMBER

LEVEL SPREADER

THE WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR LEVEL SPREADER, WHICH PRICE SHALL BE PAYMENT IN FULL FOR ALL MATERIAL, LABOR AND ANY OTHER ITEMS REQUIRED TO COMPLETE WORK.



SECTION
ROCK CHECK DAM

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 822-0500



PLOT DATE = 9/13/2006
FILE NAME = N:\vmecon\proj\0470RD\CG.v1\0171.DET
USER NAME = USER8

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CONSTRUCTION DETAILS

SCALE: VERT. NOT TO SCALE
HORIZ. DATE 9/13/2006
DRAWN BY RCB
CHECKED BY MEK

CONTRACT NO. 83862

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	41
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

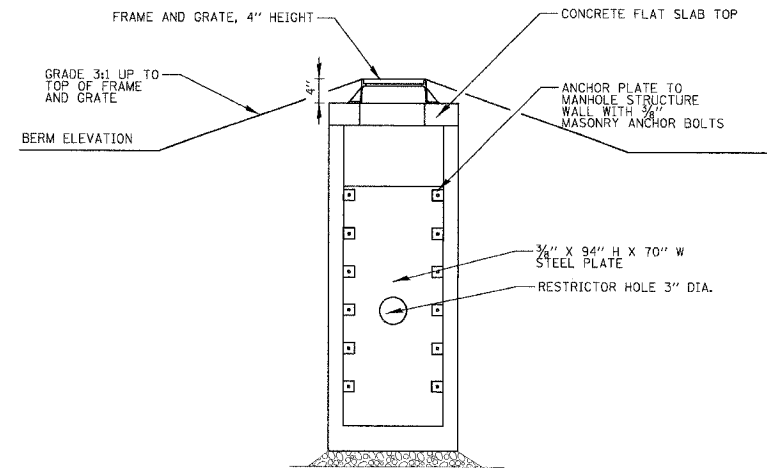
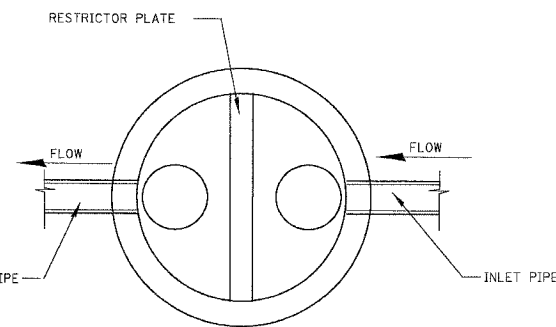
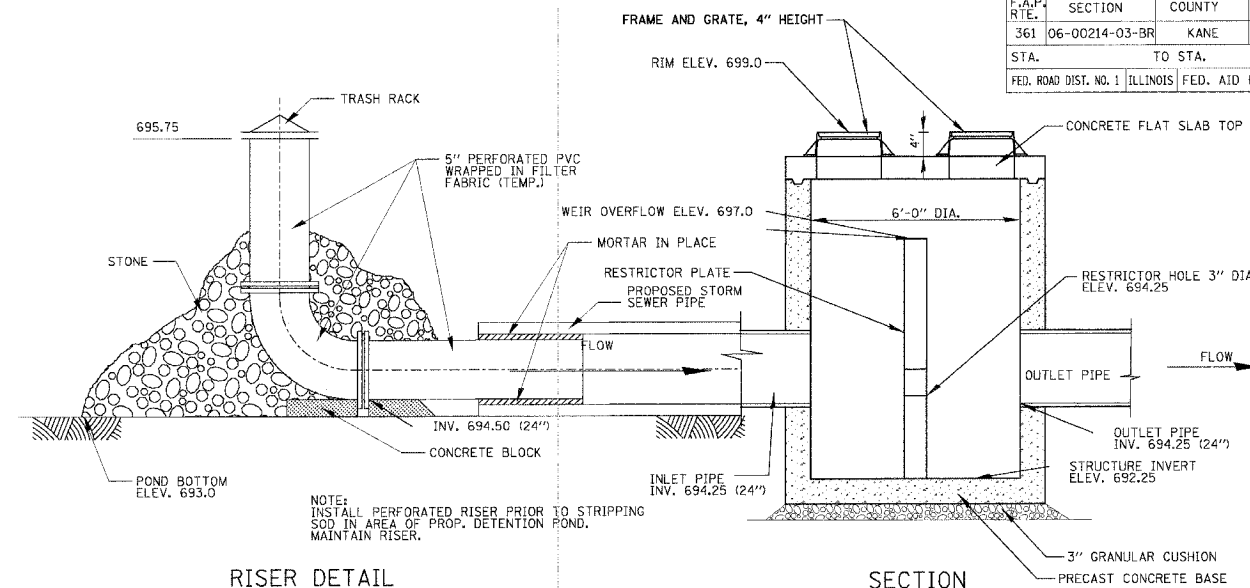


PLATE ELEVATION VIEW



PLAN VIEW
(SHOWING PIPE AND RESTRICTOR ORIENTATION)



RISER DETAIL

SECTION

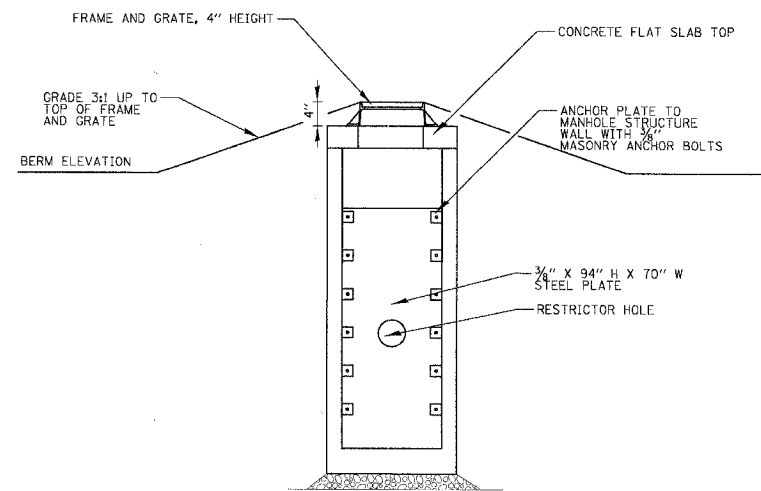
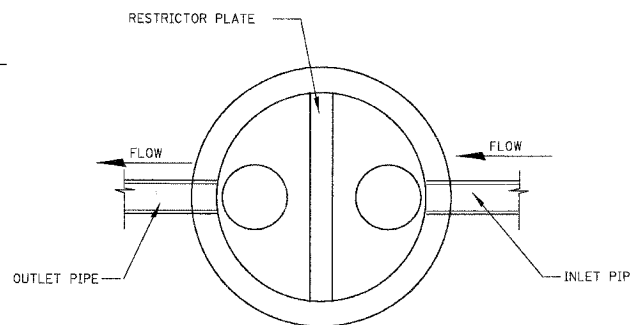
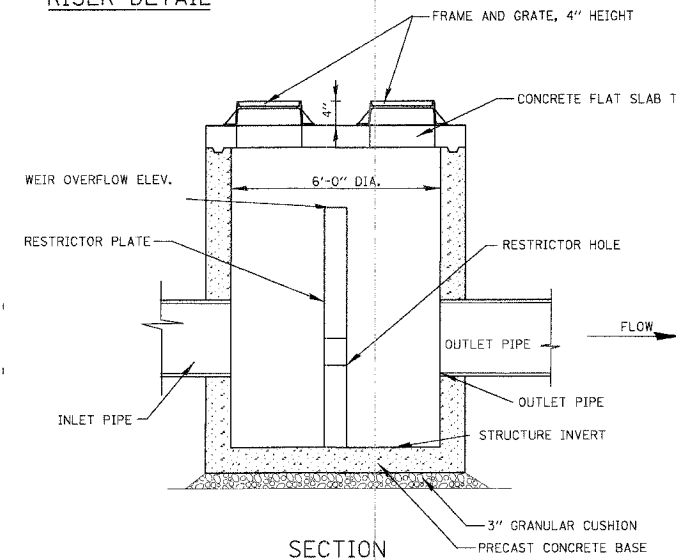


PLATE ELEVATION VIEW



PLAN VIEW
(SHOWING PIPE AND RESTRICTOR ORIENTATION)



SECTION

CONTROL STRUCTURE 6

CONTROL STRUCTURE 2-5 TYPICAL

* NOTE: THIS STRUCTURE IS AN END SECTION. SEE END SECTION DETAIL SHEET

STATION	STRUCT. NO.	CONTROL STRUCT. NO.	OFFSET (FT)	LT/RT	RIM ELEV (FT)	RESTRICTOR DIA. (IN)	RESTRICTOR INVERT ELEV (FT)	INLET INVERT ELEV (FT)	OUTLET INVERT ELEV (FT)	STRUCTURE INVERT (FT)	WEIR OVERFLOW ELEV. (FT)	INLET PIPE DIA (IN)	OUTLET PIPE DIA (IN)
606+41.90	1*	S315	109.91	LT		20	718.0	718.00 E	716.00 W	716.00	720.5	48	48
602+66.65	2	S308	171.33	LT	720	6.25	710.0	710.00 E	704.15 W	702.15	717.0	42	42
598+67.37	3	S305	112.17	LT	709	7	701.75	701.75 E	701.75 W	699.75	707.0	42	42
577+48.59	4	S102	156.38	RT	695	5	689.7	689.48 NE	689.48 SW	687.48	693.0	24	24
104+93.56	5	S404	133.09	LT	715	3	709.0	709.0 NE	707.25 SW	705.25	713.0	24	24
593+47.06	6	S226	159.00	RT	699	3	694.25	694.25 NE	694.25 SW	692.25	697.0	24	24

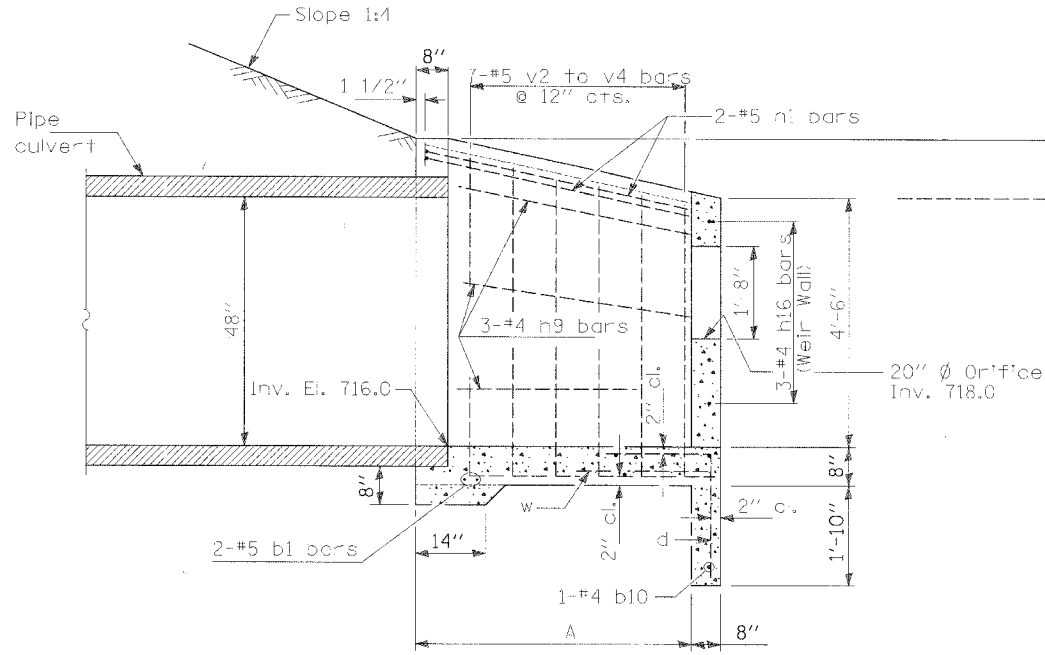
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>RESTRICTOR DETAIL</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DATE 9/13/2006</p> <p>DRAWN BY _____ CHECKED BY _____</p>

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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Rosemont, Illinois 60018
(847) 823-0500

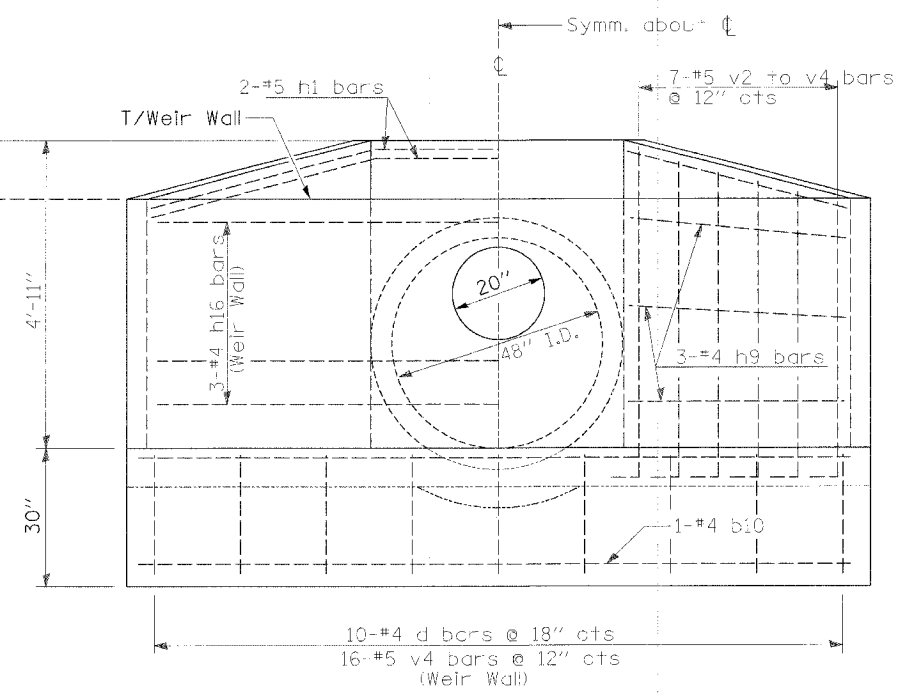


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USER NAME = BURKE

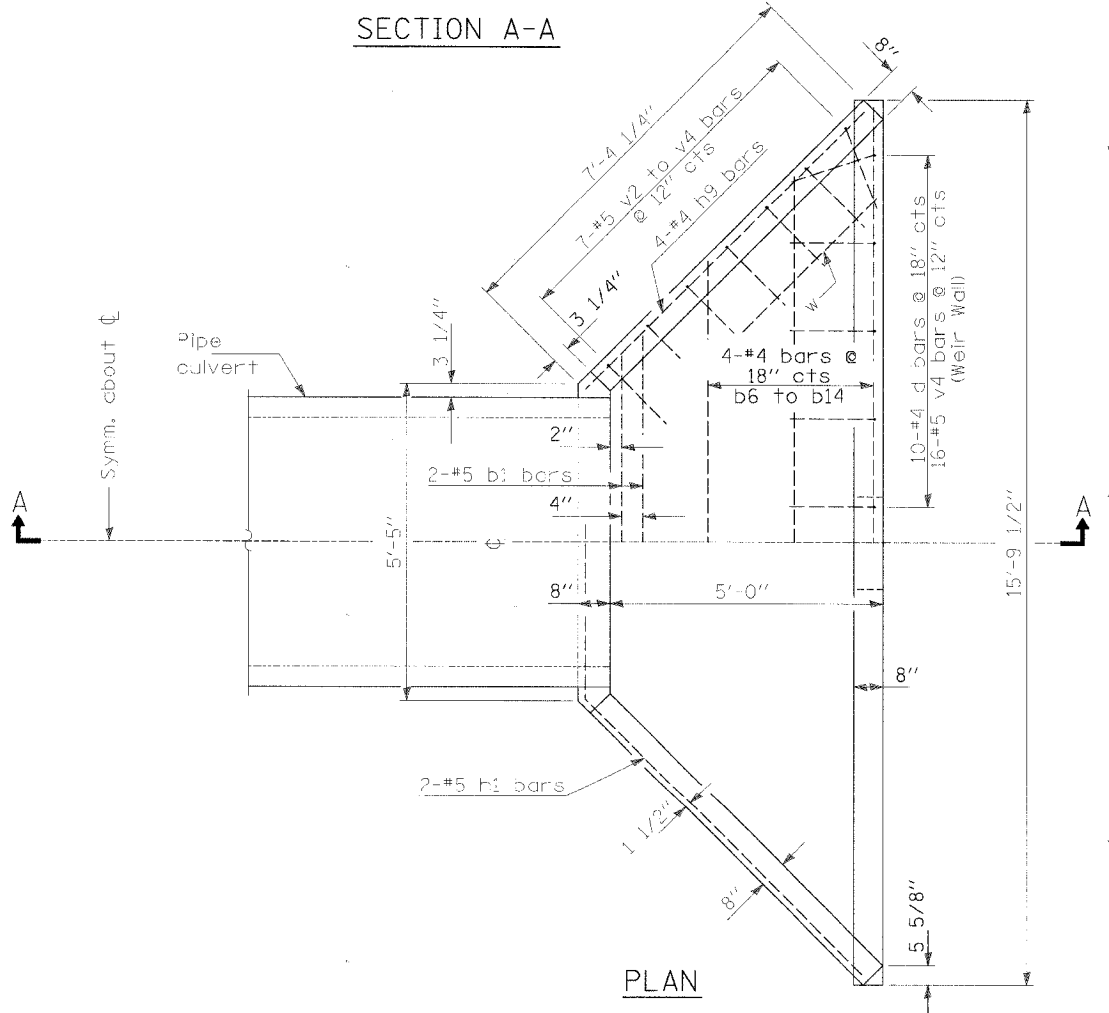
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	42
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



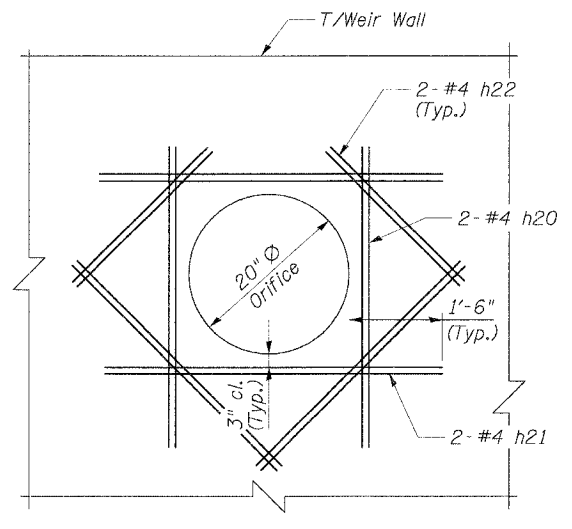
SECTION A-A



END ELEVATION



PLAN



REINFORCED OPENING DETAIL

GENERAL NOTES

- * If embankment slope above headwall is flatter than 1:2, provide wings for 1:2 slope.
- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
- All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"

SCALE: VERT. HORIZ. DATE 9/13/2006 DRAWN BY CHECKED BY

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Rosemont, Illinois 60018
(847) 823-0600

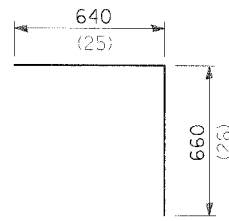


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FILE NAME = N:\Projects\1047\1047.DWG\1047.DWG\1047.DWG
USER NAME = BURKE

F.A.P. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	43
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIZES OF STRAIGHT BARS

BARS	SIZE	LENGTH	BARS	SIZE	LENGTH
b	No. 15 (No. 5)	1.9 m (6'-3")	b ₁₃	No. 15 (No. 4)	4.57 m (15'-0")
b ₁	No. 15 (No. 5)	2.06 m (6'-9")	b ₁₄	No. 15 (No. 4)	4.72 m (15'-6")
b ₂	No. 15 (No. 5)	2.21 m (7'-3")	b ₁₅	No. 15 (No. 4)	5.03 m (16'-6")
b ₃	No. 15 (No. 5)	2.44 m (8'-0")	b ₁₆	No. 15 (No. 4)	5.18 m (17'-0")
b ₄	No. 15 (No. 4)	2.51 m (8'-3")	b ₁₇	No. 15 (No. 4)	5.79 m (19'-0")
b ₅	No. 15 (No. 4)	2.74 m (9'-0")	h ₈	No. 15 (No. 4)	1.45 m (4'-9")
b ₆	No. 15 (No. 4)	3.05 m (10'-0")	h ₉	No. 15 (No. 4)	1.9 m (6'-3")
b ₇	No. 15 (No. 4)	3.2 m (10'-6")	h ₁₀	No. 15 (No. 4)	1.6 m (5'-3")
b ₈	No. 15 (No. 5)	3.43 m (11'-3")	h ₁₁	No. 15 (No. 4)	2.2 m (7'-3")
b ₉	No. 15 (No. 5)	3.66 m (12'-0")	h ₁₂	No. 15 (No. 4)	1.83 m (6'-0")
b ₁₀	No. 15 (No. 4)	3.96 m (13'-0")	h ₁₃	No. 15 (No. 4)	2.44 m (8'-0")
b ₁₁	No. 15 (No. 4)	4.11 m (13'-6")	h ₁₄	No. 15 (No. 4)	1.98 m (6'-6")
b ₁₂	No. 15 (No. 4)	4.34 m (14'-3")	h ₁₅	No. 15 (No. 4)	2.67 m (8'-9")
w	No. 15 (No. 4)	1.22 m (4'-0")	h ₁₆	No. 4	14'-3"
			h ₂₀	No. 4	3'-9"
			h ₂₁	No. 4	4'-8"
			h ₂₂	No. 4	2'-6"



BAR d

BARS IN ONE END SECTION

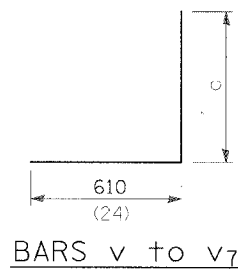
1050 Pipe (42)		1200 Pipe (48)		1350 Pipe (54)		1500 Pipe (60)	
D1.05 -1/2 (D42-1/2)	D1.05 -2 (D42-2)	D1.2 -1/2 (D48-1/2)	D1.2 -2 (D48-2)	D1.35 -1/2 (D54-1/2)	D1.35 -2 (D54-2)	D1.5 -1/2 (D60-1/2)	D1.5 -2 (D60-2)
BARS No.	BARS No.	BARS No.	BARS No.	BARS No.	BARS No.	BARS No.	BARS No.
d	8	d	9	d	10	d	11
b	2	b	2	b	2	b	2
b ₅	1	b ₄	1	b ₇	1	b ₆	1
b ₈	2	b ₈	1	b ₁₀	1	b ₁₁	1
		b ₁₁	2	b ₁₄	2	b ₁₄	2
h	2	h ₁	2	h ₁	2	h ₆	2
h ₉	4	h ₆	1	h ₁₀	4	h ₁₃	4
v ₃	2	v ₃	2	v ₂	2	v ₁	2
v ₄	2	v ₄	2	v ₃	4	v ₂	4
v ₅	2	v ₅	4	v ₄	2	v ₃	2
v ₆	2	v ₆	2	v ₅	2	v ₄	2
v ₇	2	v ₇	2	v ₆	2	v ₅	4
w	2	w	2	w	2	w	2
				h ₁₆	3		
				h ₂₀	4		
				h ₂₁	4		
				h ₂₂	8		

DIMENSIONS OF BENT BARS

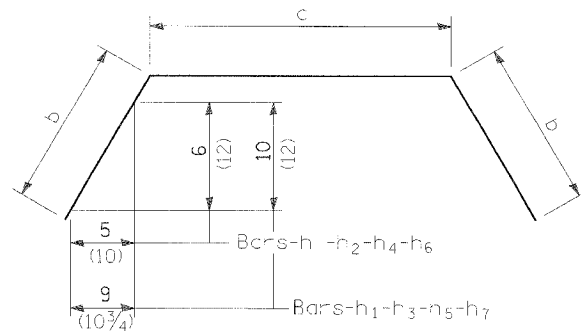
No. 15-bars v to v ₇ (No. 5)			No. 15-bars h to h ₇ (No. 5)		
BARS	c	TOTAL LENGTH	BARS	a	TOTAL LENGTH
v	1.83 m (6'-0")	2.44 m (8'-0")	h	1.42 m (4'-8")	1.57 m (5'-2")
v ₁	1.68 m (5'-6")	2.29 m (7'-6")	h ₁	1.42 m (4'-8")	2.03 m (6'-8")
v ₂	1.52 m (5'-2")	2.13 m (7'-2")	h ₂	1.6 m (5'-3")	1.79 m (5'-10 1/2")
v ₃	1.37 m (5'-0")	1.98 m (7'-0")	h ₃	1.6 m (5'-3")	2.29 m (7'-6")
v ₄	1.22 m (4'-9")	1.83 m (6'-9")	h ₄	1.78 m (5'-10")	2.01 m (6'-7")
v ₅	1.07 m (3'-6")	1.68 m (5'-6")	h ₅	1.78 m (5'-10")	2.54 m (8'-4")
v ₆	920 (36)	1.53 m (5'-0")	h ₆	1.86 m (6'-5")	2.18 m (7'-2")
v ₇	610 (24)	1.22 m (4'-6")	h ₇	1.96 m (6'-5")	2.83 m (9'-3 1/2")

DIMENSIONS AND QUANTITIES

DESIGN NO.	NOMINAL INSIDE DIAM. OF PIPE	SLOPE of FILL *	DIMENSIONS						Concrete 2 End Secs. m ³ (cu. yds.)	Reinf. Bcrs 2 End Secs. kg (lbs.)
			A	B	C	D	E	F		
D1.05 -1/2 (D42-1/2)	1050 (42)	1:1 1/2	1.01 m (3'-4")	660 (26)	1.33 m (4'-4 1/2")	1.48 m (4'-10")	3.63 m (11'-10 1/2")	1.52 m (5'-0")	3.7 (4.8)	180 (330)
D1.05 -2 (D42-2)	1050 (42)	1:2	1.35 m (4'-5")	660 (26)	1.33 m (4'-4 1/2")	1.48 m (4'-10")	4.29 m (14'-0 1/2")	1.99 m (6'-6 1/2")	4.7 (6.2)	220 (400)
D1.2 -1/2 (D48-1/2)	1200 (48)	1:1 1/2	1.14 m (3'-9")	740 (29)	1.5 m (4'-11")	1.65 m (5'-5")	4.05 m (13'-3 1/2")	1.7 m (5'-7")	4.4 (5.8)	200 (360)
D1.2 -2 (D48-2)	1200 (48)	1:2	1.52 m (5'-0")	740 (29)	1.5 m (4'-11")	1.65 m (5'-5")	4.82 m (15'-9 1/2")	2.24 m (7'-4 1/4")	5.8 (11.0)	250 (850)
D1.35 -1/2 (D54-1/2)	1350 (54)	1:1 1/2	1.27 m (4'-2")	815 (32)	1.66 m (5'-5 1/2")	1.83 m (6'-0")	4.49 m (14'-8 1/2")	1.88 m (6'-2")	5.2 (6.8)	240 (430)
D1.35 -2 (D54-2)	1350 (54)	1:2	1.7 m (5'-7")	815 (32)	1.66 m (5'-5 1/2")	1.83 m (6'-0")	5.35 m (17'-6 1/2")	2.49 m (8'-2")	7.0 (9.2)	310 (550)
D1.5 -1/2 (D60-1/2)	1500 (60)	1:1 1/2	1.4 m (4'-7")	890 (35)	1.83 m (6'-0")	2.0 m (6'-7")	4.91 m (16'-1 1/2")	2.06 m (6'-9")	6.1 (8.0)	280 (490)
D1.5 -2 (D60-2)	1500 (60)	1:2	1.88 m (6'-2")	890 (35)	1.83 m (6'-0")	2.0 m (6'-7")	5.88 m (19'-3 1/2")	2.74 m (9'-0")	8.3 (10.8)	350 (630)



BARS v to v₇



BARS - h to h₇



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 48"
SCALE: VERT. HORIZ.	DATE	DRAWN BY
	9/13/2006	CHECKED BY



DATE	
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REVISIONS	
NO.	
DATE	
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REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

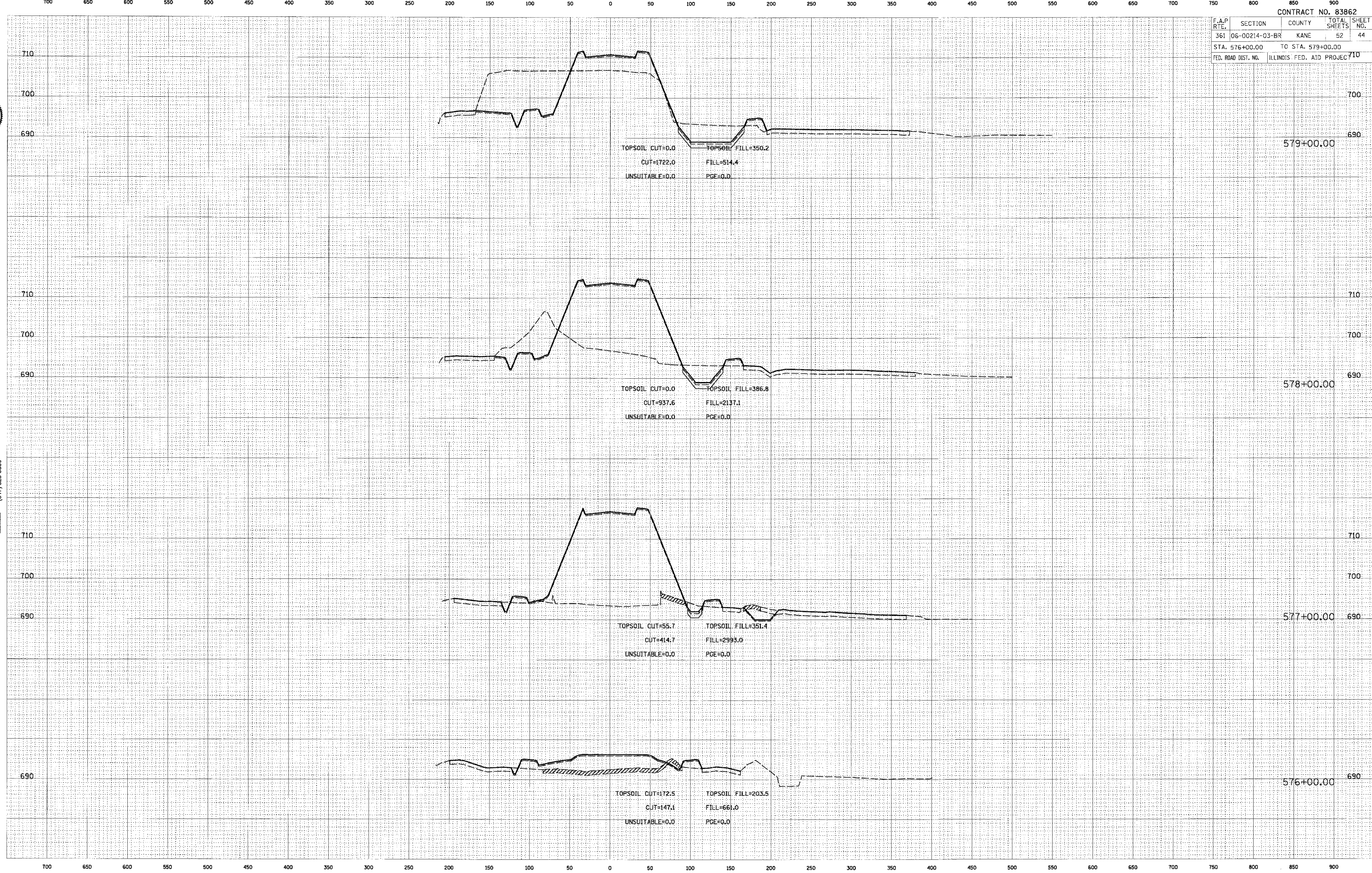
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 3575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

PLOT DATE = 9/13/2006
 FILE NAME = #FILE#
 PLOT SCALE = 5' = 1" = #USER#
 USER NAME = #USER#

CONTRACT NO. 83862				
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	44
STA. 576+00.00		TO STA. 579+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJEC		710





DATE: _____ BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PLOTTED: _____
 APPROVED: _____
 NO. _____

FINAL SURVEY
 NO. _____



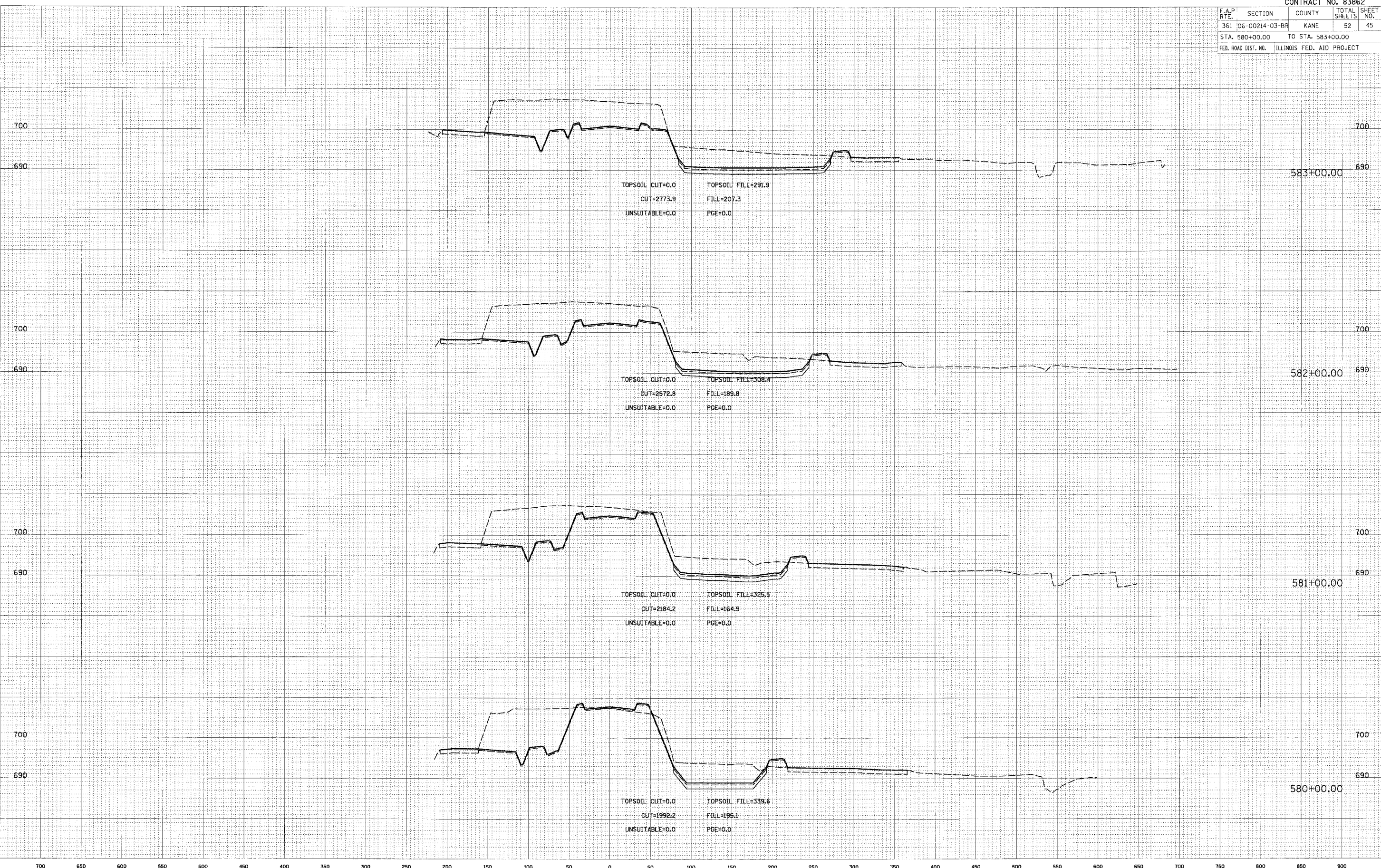
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 SUPERVISOR: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PLOTTED: _____
 APPROVED: _____
 NO. _____

ORIGINAL SURVEY
 NO. _____

PLOT DATE = 9/13/2006
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 PLOT SCALE = 51
 USER NAME = #000000

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CONTRACT NO. 83862				
F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	45
STA. 580+00.00		TO STA. 583+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



700 650 600 550 500 450 400 350 300 250 200 150 100 50 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900



DATE: _____ BY: _____
 SURVEYED: _____
 SURVEY: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREA CHECKED: _____

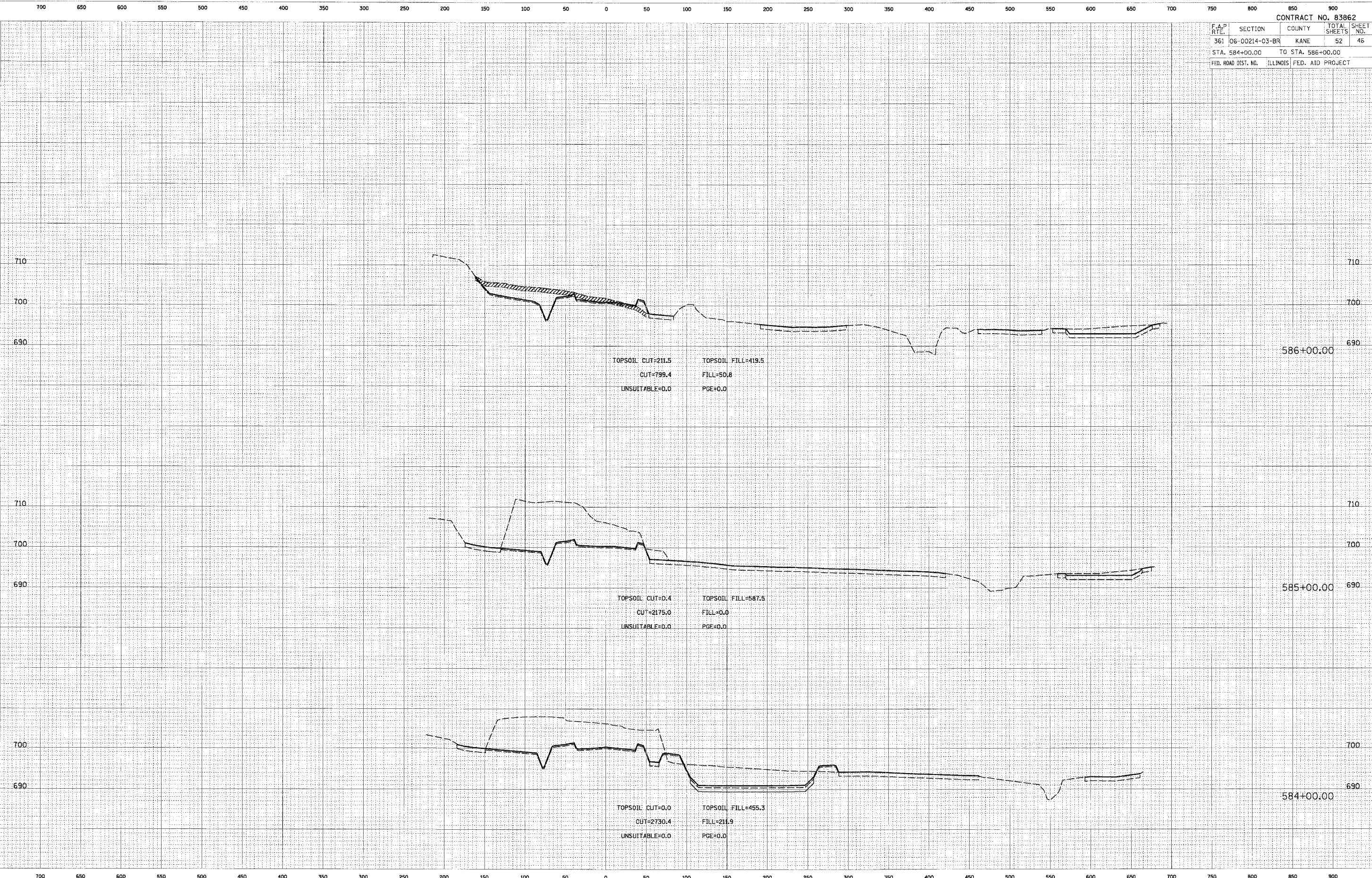
CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



DATE: _____ BY: _____
 SURVEYED: _____
 SURVEY: _____
 NOTE BOOK: _____
 TEMPLATE: _____
 AREA CHECKED: _____

PLOT DATE = 9/13/2006
 FILE NAME = #FILE#
 PLOT SCALE = 5' = 1"
 USER NAME = #USER#

CONTRACT NO. 83862			
F.A.P. FILE	SECTION	COUNTY	TOTAL SHEETS
361	06-00214-03-BR	KANE	52
STA. 584+00.00		TO STA. 586+00.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	





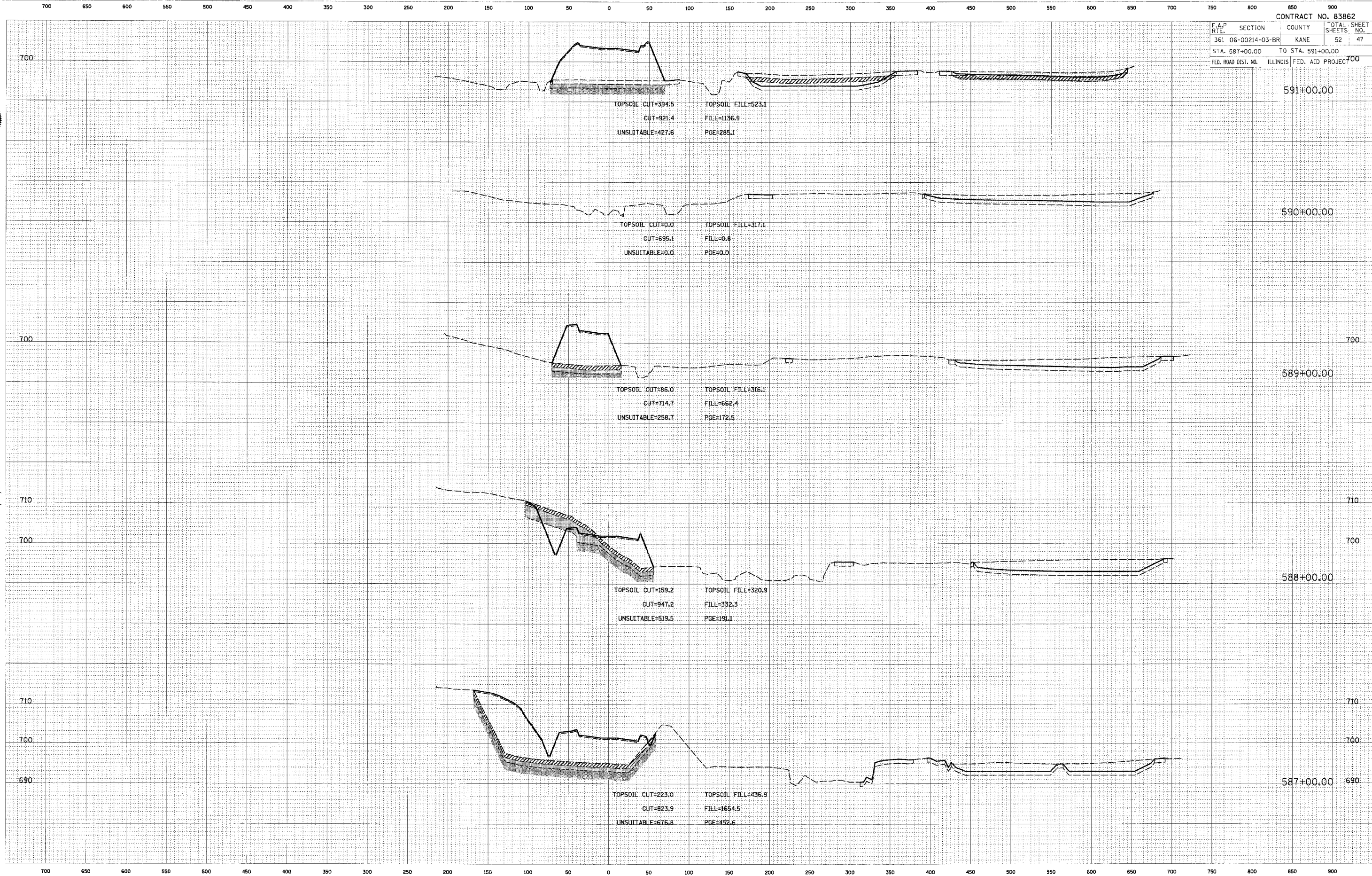
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BY	
PROJECT	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

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DATE	
BY	
PROJECT	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

PLOT DATE = 9/13/2006
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 PLOT SCALE = 1" = 50'
 USER NAME = #USER#



CONTRACT NO. 83862			
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS
361	06-00214-03-BR	KANE	52
STA. 587+00.00		TO STA. 591+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJEC	700

591+00.00

590+00.00

589+00.00

588+00.00

587+00.00



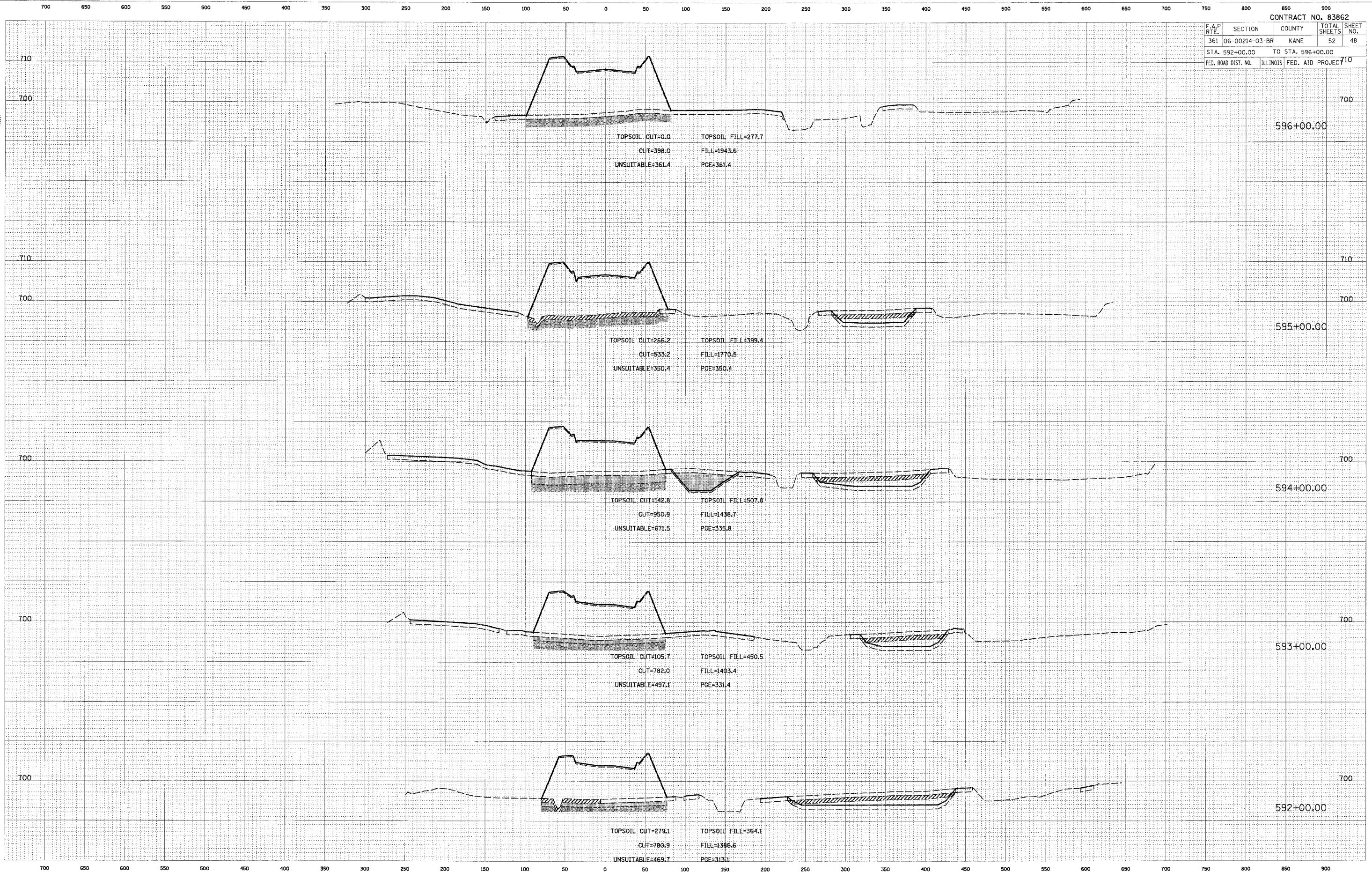
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DATE	
BY	
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 Rosemont, Illinois 60018
 (847) 829-0500



DATE	
BY	
REVISION	
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REVISION	
DATE	
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REVISION	
DATE	
BY	
REVISION	

PLOT DATE = 9/13/2006
 FILE NAME = #FILEL#
 PLOT SCALE = #BY#
 USER NAME = #USER#



CONTRACT NO. 83862			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
361	06-00214-03-BR	KANE	52
STA. 592+00.00		TO STA. 596+00.00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	710

700 650 600 550 500 450 400 350 300 250 200 150 100 50 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900



DATE _____ BY _____
 SURVEY _____
 NOTE BOOK _____
 AREA _____
 AREAS CHECKED _____

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



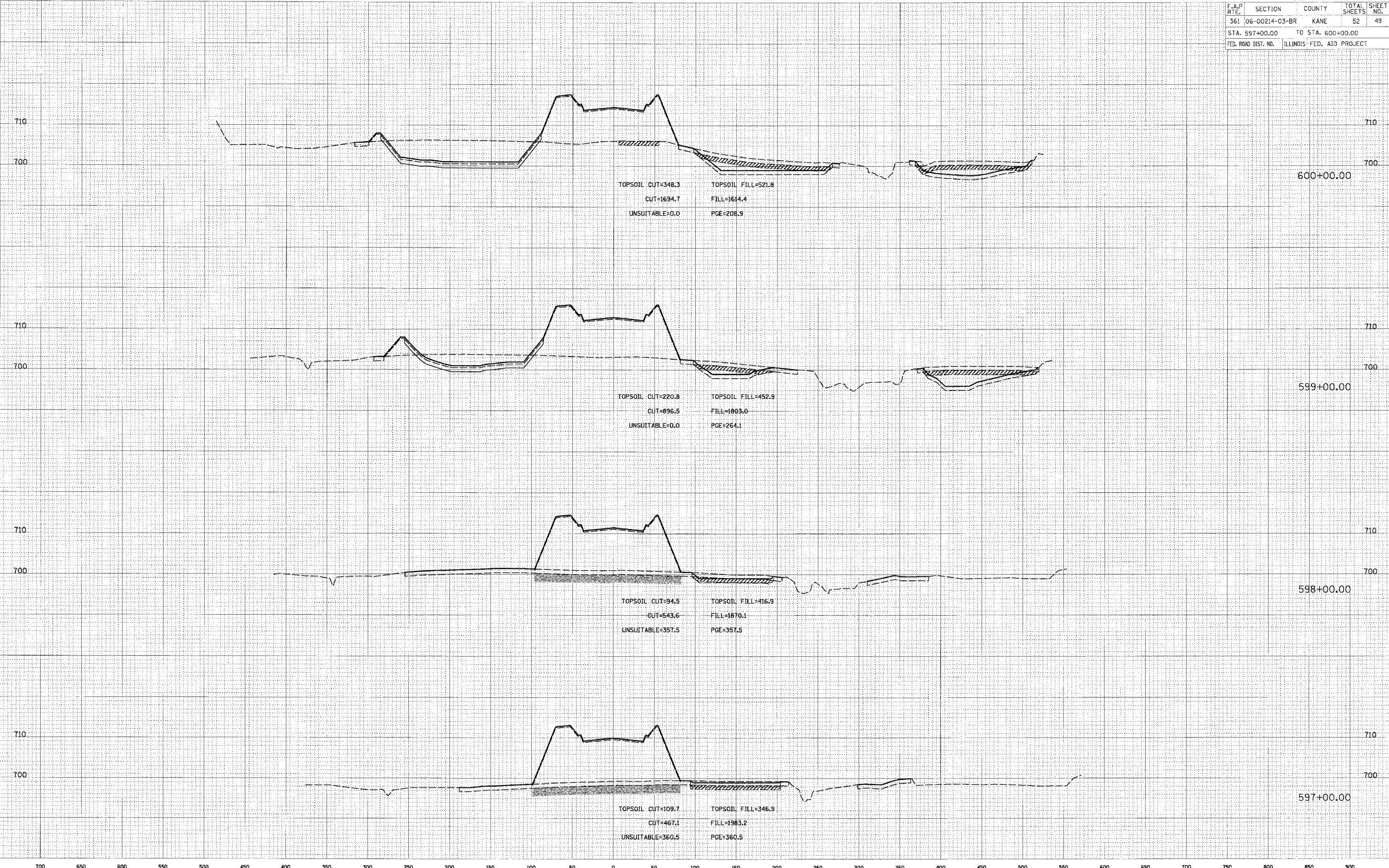
DATE _____ BY _____
 SURVEY _____
 NOTE BOOK _____
 AREA _____
 AREAS CHECKED _____

ORIGINAL SURVEY _____
 DATE _____
 FILE NAME = #FILE#
 PLOT SCALE = 5"
 USER NAME = #USER#

700 650 600 550 500 450 400 350 300 250 200 150 100 50 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900

CONTRACT NO. 83862

F.A.P. R.F.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	49
STA. 597+00.00		TO STA. 600+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



700 650 600 550 500 450 400 350 300 250 200 150 100 50 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900



FINAL SURVEY
 DATE: _____
 BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 DATE: _____

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 Rosemont, Illinois 60018
 (847) 823-0500

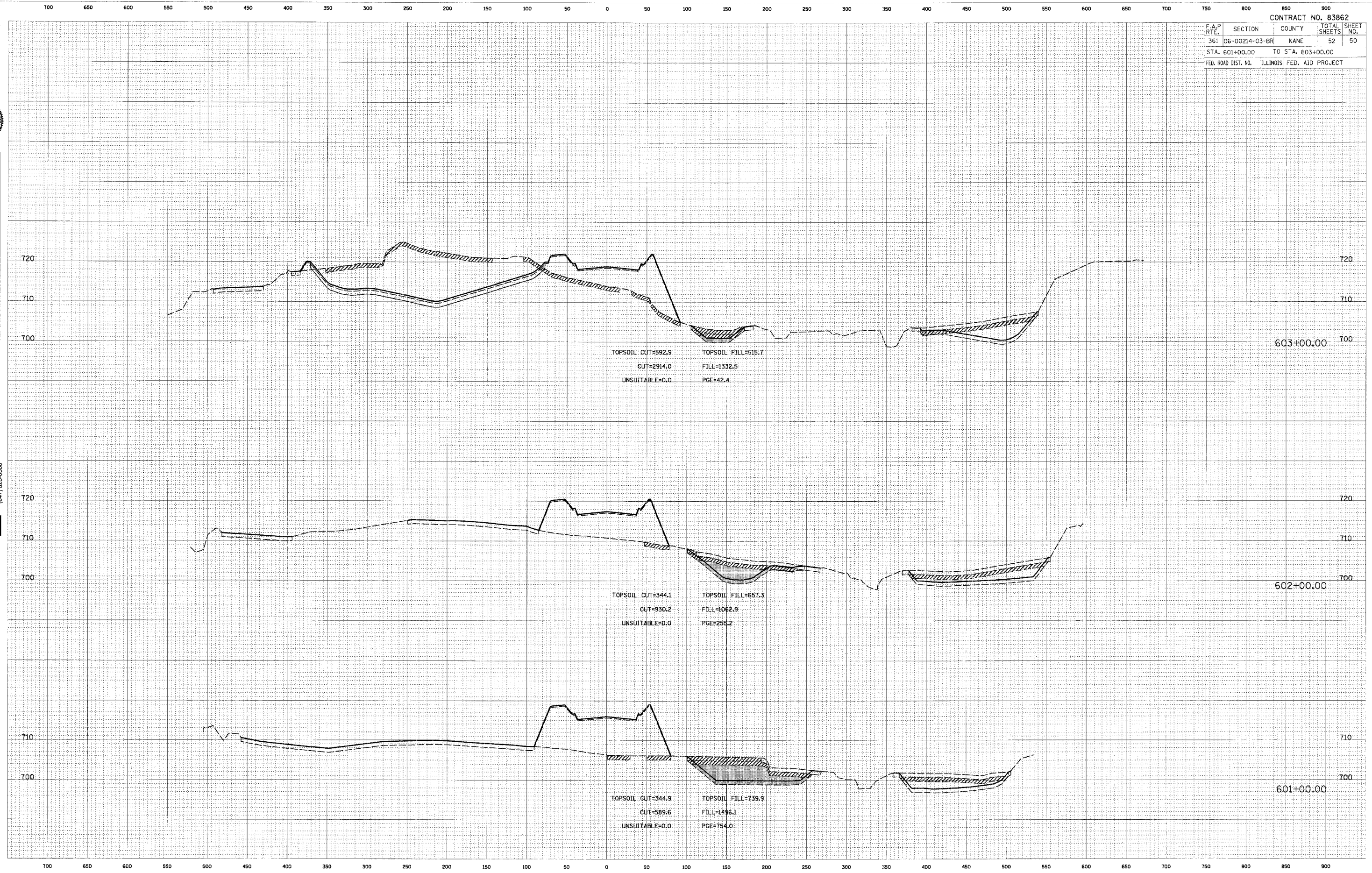


DATE: _____
 BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 DATE: _____

DATE: 9/13/2006
 FILE NAME: 01LELE
 PLOT SCALE: 1" = 40'
 USER NAME: USER10

CONTRACT NO. 83862

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	50
STA. 601+00.00		TO STA. 603+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





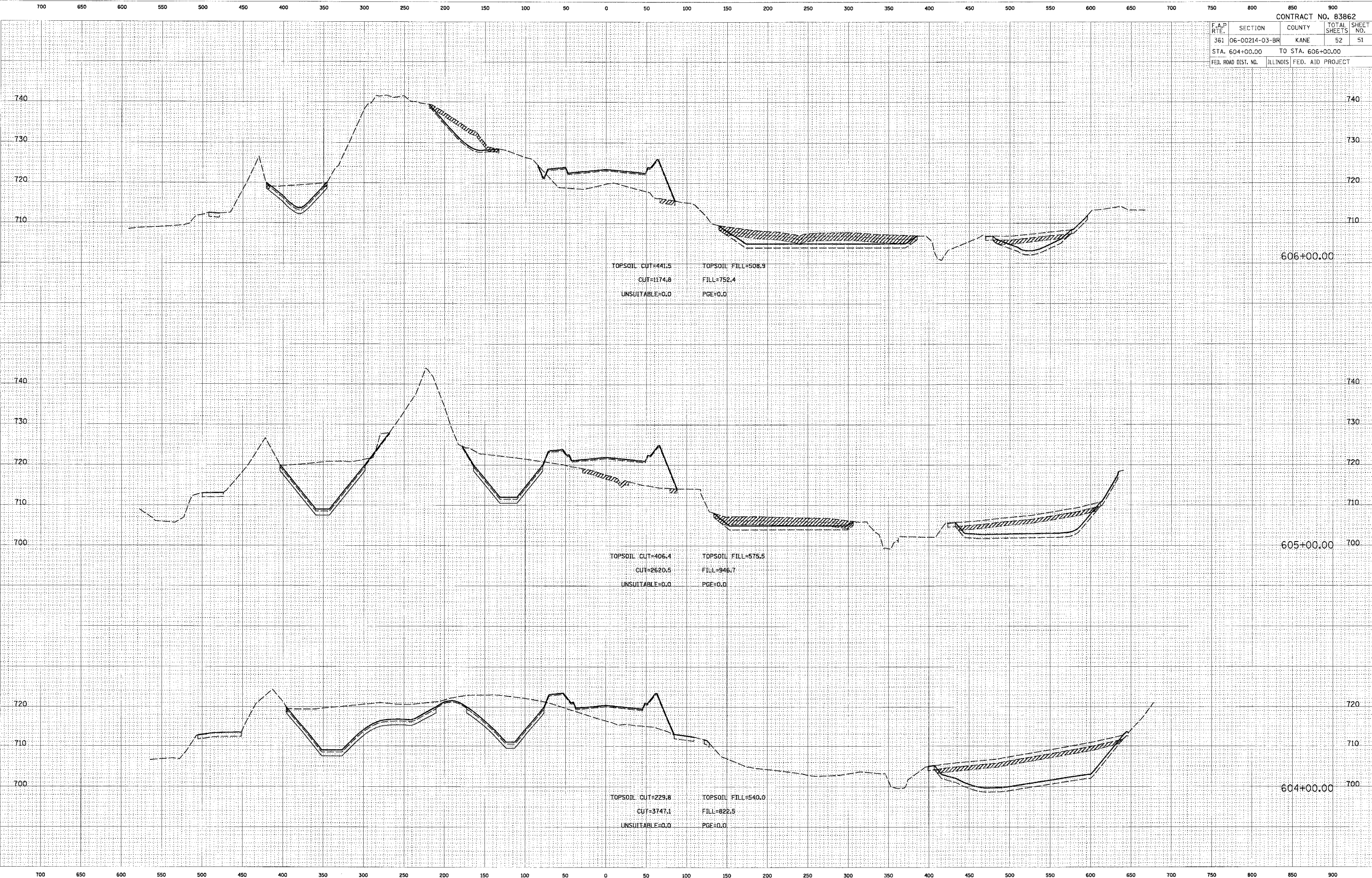
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

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DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

PLOT DATE = 9/13/2006
 FILE NAME = #FILE#
 PLOT SCALE = 5"
 USER NAME = #USER#

CONTRACT NO. 83862				
F.A.P. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	51
STA. 604+00.00		TO STA. 606+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONTRACT NO. 83862				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-03-BR	KANE	52	52
STA. 607+00.00		TO STA. 609+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE: _____ BY: _____

NO. _____

AREA CHECKED: _____

NO. _____

CHRISTOPHER B. BURKE ENGINEERING, LTD.
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 Rosemont, Illinois 60018
 (847) 823-0500

DATE: _____ BY: _____

NO. _____

AREA CHECKED: _____

NO. _____

PLOT DATE = 9/13/2006
 FILE NAME = #FILEL#
 PLOT SCALE = 1" = 50'
 USER NAME = #USER#

