

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 63196		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

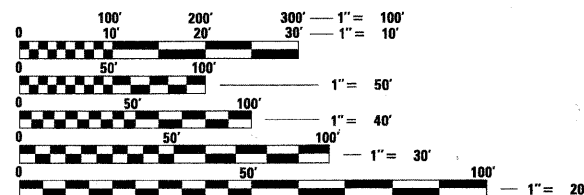
F.A.S. ROUTE 0130 (BIG TIMBER ROAD)
BIG TIMBER ROAD OVER TYLER AND PINGREE CREEKS
BRIDGE REHABILITATION AND CREEK RELOCATION
SECTION 01-00266-00-BR
PROJECT BRM-8003(043)
KANE COUNTY
JOB # : C-91-192-01

FOR INDEX OF SHEETS AND
STATE HIGHWAY STANDARDS,
SEE SHEET NO. 2



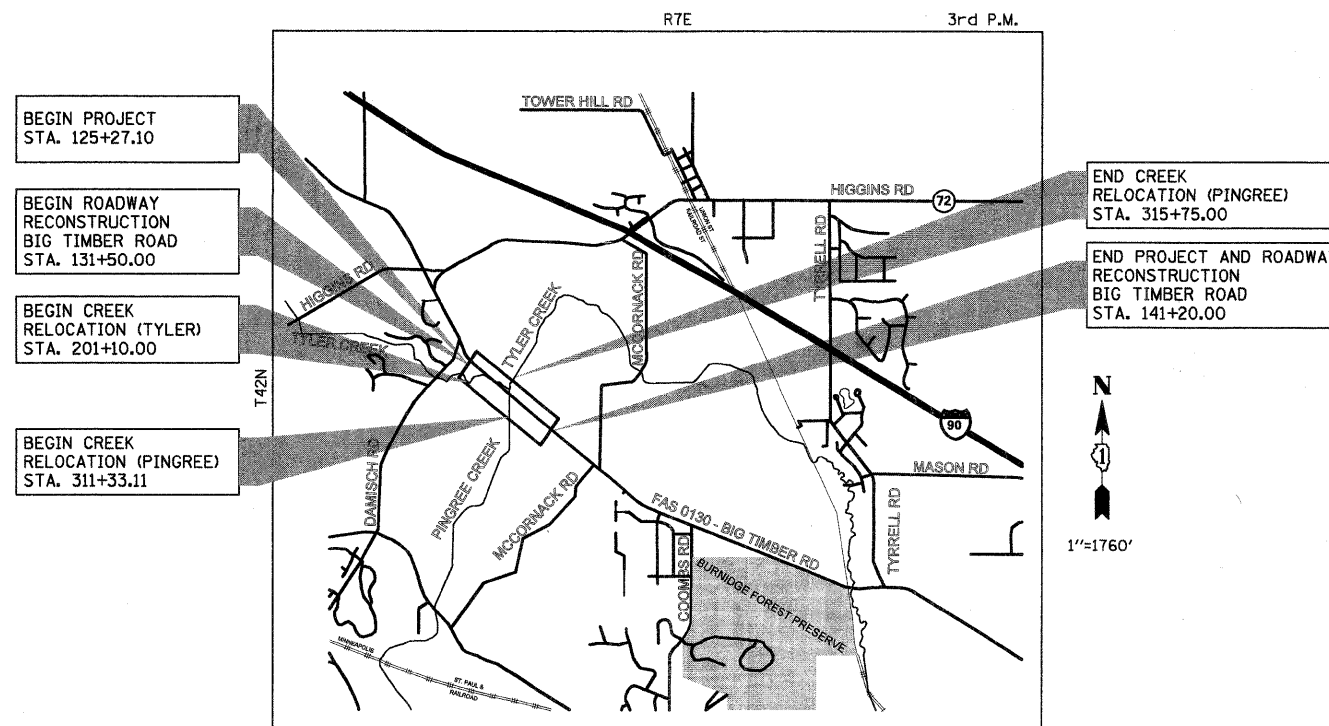
PROGRAM AND OFFICE MANAGER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

TRAFFIC DATA:
ADT = 15,000 (2030); 4,000 (2010)
POSTED SPEED = 50 MPH (DS=60MPH)
DESIGN DESIGNATION = MAJOR COLLECTOR



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
OR 811 T42N, R7E, S26.27



LOCATION MAP

GROSS LENGTH OF PROJECT = 1593 FEET (0.302 MILES)
NET LENGTH OF PROJECT = 1593 FEET (0.302 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED JANUARY 20 20 11
[Signature]
KANE COUNTY DIVISION OF TRANSPORTATION COUNTY ENGINEER TITLE

PASSED FEBRUARY 15 20 11
[Signature]
DISTRICT 4 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 15, 20 11
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

PROFESSIONAL DESIGN FIRM NO.: 184-001175
EXPIRATION DATE: APRIL 30, 2011

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



January 19, 2011
[Signature]
BRYAN L. LUKE
ILLINOIS REGISTRATION No. 062-054957
EXPIRATION DATE: 11/30/11

General Notes

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:
 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007;
 "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2011
 LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD)
 STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION,
 "DETAILS" IN THE PLANS
 LATEST EDITION OF THE MANUAL OF TEST PROCEDURE OF MATERIALS
 "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS
 ARMY CORPS OF ENGINEERS PERMIT, THE KANE COUNTY STORMWATER MANAGEMENT PERMITS AND THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES PERMIT, STORM WATER POLLUTION PREVENTION PLAN
 AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES
 "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504)
 PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES.
 ANY REFERENCE TO STANDARDS IN THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE LATEST STANDARDS OF THE DEPARTMENT.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON N.G.V.D. OF 1929 DATUM.

THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS, AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

ALL SAWCUTTING SHALL BE INCLUDED IN THE UNIT PRICE OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING SHALL NOT BE MEASURED FOR PAYMENT.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

PROTECTIVE COATING SHALL BE APPLIED TO THE EXPOSED SURFACES OF CONCRETE.

CONTRACTOR SHALL REPAIR, TO THE SATISFACTION OF THE ENGINEER, ALL DAMAGE TO EXISTING ITEMS NOT SHOWN FOR REMOVAL. THIS WORK SHALL BE DONE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

CONTRACTOR SHALL CONTACT THE LOCAL AGENCY'S MATERIAL INSPECTOR AT A MINIMUM OF 48-HOURS PRIOR TO ANY MATERIAL DELIVERIES.

PROTECTION OF NATURAL RESOURCES: ACTIVITIES SHALL ONLY OCCUR IN IDENTIFIED CONSTRUCTION/ACCESS AREAS. NO EQUIPMENT, STAGING AREAS, OR ANY OTHER CONSTRUCTION RELATED ACTIVITIES SHALL OCCUR ON PRIVATE PROPERTY.

CONTRACTOR SHALL NOT STOCKPILE/STORE EQUIPMENT, MATERIALS OR VEHICLES ON BIG TIMBER ROAD BRIDGES, OR OUTSIDE THE LIMITS OF CONSTRUCTION.

SHEET PILE SHALL BE REMOVED WHEN WITHIN 2 FEET FROM ALL EXISTING REMOVED ITEMS AND ALL PROPOSED ITEMS. ALL SHEET PILE REMOVAL SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED REMOVAL OR PROPOSED PAY ITEM

DIMENSION: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

DO NOT SCALE THE DRAWING IF COORDINATES AND DIMENSION ARE GIVEN.

PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF IN THE ENGINEER'S OPINION, THE SCOPE OF WORK IS CHANGED, ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL BE FOLLOWED.

NO BURNING OR INCINERATION OF LANDSCAPE DEBRIS, RUBBISH OR CONSTRUCTION MATERIALS WILL BE PERMITTED ON SITE.

THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS AND VEHICULAR TRAFFIC.

DRAINAGE NOTES

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH SHALL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER ITEMS.

DRAINAGE NOTES CONTINUED

OBSERVATION STRUCTURES OR OTHER SIMILAR MAINTENANCE AND INSPECTION ACCESS STRUCTURES SHALL BE PLACED ON DRAIN TILES ENTERING AND LEAVING THE ROAD RIGHT-OF-WAY. WHEN REQUIRED, THIS WORK SHALL BE PER SECTION 109.04 OF THE STANDARD SPECIFICATIONS UNLESS CALLED OUT OTHERWISE IN THE PLANS.

REMOVAL AND DISPOSAL OF EXISTING STORM SEWER OR CULVERT AS PART OF INSTALLATION OF PROPOSED STORM SEWER OR PROPOSED CULVERT SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER OR PROPOSED CULVERT PAY ITEM.

THE COST OF CONNECTING EXISTING STORM SEWER (CONCRETE COLLARS OR MISSION COUPLINGS, ETC.) TO THE PROPOSED STORM SEWER OR END SECTIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STORM SEWER OR END SECTIONS.

EARTH EXCAVATION NOTES

EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES, CONSTRUCT DRIVEWAYS OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL EXCESS MATERIAL FROM NECESSARY EXCAVATIONS WHICH MEET SECTION 205 OF THE STANDARD SPECIFICATIONS SHALL BE USED AS EMBANKMENT PER SECTION 205 OF THE STANDARD SPECIFICATIONS.

EARTH EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 202 OF THE "STANDARD SPECIFICATIONS", EXCEPT THAT OVERHAUL SHALL NOT BE PAID FOR. IN ADDITION TO ITEMS SPECIFIED IN SECTION 202 AND AS NOTED IN THE PLANS AND SPECIAL PROVISIONS, EARTH EXCAVATION SHALL CONSIST OF:

1. EXCAVATION TO SUBGRADE ELEVATION (INCLUDING TOPSOIL STRIPPING AND REMOVING EARTH FOR INSTALLATION OF POROUS GRANULAR EMBANKMENT).
2. PLACING AND COMPACTING SUITABLE EXCAVATED MATERIAL FOR FILL AREAS IN ACCORDANCE WITH SECTION 205 OF THE "STANDARD SPECIFICATIONS"
3. EARTH MOVED MORE THAN ONCE DUE TO CONSTRUCTION STAGING AND/OR PROCEDURES SELECTED BY THE CONTRACTOR SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL EMBANKMENT WIDENING SHALL BE SUFFICIENTLY BENCHED INTO EXISTING EMBANKMENTS/SLOPES PER SECTION 205 OF THE STANDARD SPECIFICATIONS, AND AS APPROVED BY THE ENGINEER. AS A BEST MANAGEMENT PRACTICE THE FINAL PASS OF THE GRADER SHALL BE PERPENDICULAR TO EMBANKMENT (I.E. TOP-TO-BOTTOM, BOTTOM-TO-TOP). ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.

THE GRADING AND CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER.

CONSTRUCTION SEQUENCING NOTES

SEE SOIL EROSION AND SEDIMENT CONTROL NOTES AND SUGGESTED TRAFFIC CONTROL NOTES FOR CONSTRUCTION SEQUENCING AND ADDITIONAL REQUIREMENTS.

CONTRACTOR SHALL SUBMIT CONSTRUCTION SEQUENCING PLAN TO THE ENGINEER. PLAN SHALL INCLUDE CONSTRUCTION STAGING SEQUENCE AND DURATION, CONSTRUCTION EQUIPMENT ACCESS ROUTE, ERECTION PLAN WITH SEQUENCE AND DURATION, ALL ITEMS NEEDED TO COMPLY WITH USACOE PERMIT AND OTHER PERMITS, ALL ITEMS NEEDED TO COMPLY WITH THE PLANS AND SPECIAL PROVISIONS. CONTRACTOR SHALL NOT BEGIN WORK UNTIL CONSTRUCTION SEQUENCING PLAN IS APPROVED BY ENGINEER.

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

- A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
- B. THE CONTRACTOR SHALL BE REQUIRED TO RELOCATE, MAINTAIN AND REMOVE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS.
- C. THE CONTRACTOR SHALL REMOVE ALL UNUSED SIGNS NOT CALLED OUT TO BE RELOCATED. ALL UNUSED SIGNS SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- D. SIGNS SHALL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006 AT TEMPORARY AND PERMANENT LOCATIONS.

THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES AND AT LEAST TWO WEEKS PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

PEDESTRIAN / BICYCLE MANAGEMENT NOTES

ALL PEDESTRIAN ROUTES CONSTRUCTED AS PART OF THIS PROJECT SHALL BE ADA COMPLIANT.

SEE SUGGESTED TRAFFIC CONTROL NOTES FOR ADDITIONAL REQUIREMENTS.

AGGREGATE USED AS AGGREGATE SUBGRADE 12" SHALL BE ANGULAR.

UTILITIES NOTES

THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS ACCORDING TO THE INFORMATION OBTAINED FROM UTILITY COMPANIES AND SURVEYS. HOWEVER, KANE COUNTY AND THE ENGINEER DO NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE INFORMATION REGARDING UTILITIES, EITHER PUBLIC OR PRIVATE SUCH AS SEWERS, GAS LINES, WATERMANS, TELEPHONE, ELECTRICAL DUCT LINES, MANHOLES, CATCH BASINS OR OTHER SIMILAR STRUCTURES. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES THAT MAY INTERFERE WITH CONSTRUCTION OPERATIONS AND REPORT TO THE ENGINEER OMISSIONS AND DIFFERENCES FROM THE LOCATIONS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH ARE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE DRAWINGS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 AND 107.31.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).

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 SPECIAL PROVISIONS.

LANDSCAPING NOTES

SEE SOIL EROSION AND SEDIMENT CONTROL NOTES FOR CONSTRUCTION SEQUENCING AND ADDITIONAL REQUIREMENTS.

TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN.

TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE (AS DETERMINED BY THE ENGINEER) EXISTING TREES AND UNDERGROWTH UNDER 6" DIAMETER CALIPER SIZE WHEN THEY ARE LOCATED 5 FEET OUTSIDE THE PROPOSED PATH IN AREAS OF CUT OR FILL SLOPES HAVING A GRADE CHANGE OF LESS THAN ONE FOOT. MINIMUM GRADING IS TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 5 FEET FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER. ANY TREES TO BE SAVED WITH CANOPIES LOCATED WITHIN 5 FEET OF THE PROPOSED PATH SHALL BE TRIMMED (TREE AND ROOT) ACCORDING TO THE PLAN DETAIL, SPECIAL PROVISION AND AS DIRECTED BY THE ENGINEER.

TREE PRUNING AND TREE ROOT PRUNING SHALL OCCUR PRIOR TO ANY CONSTRUCTION EQUIPMENT ENTERING JOB SITE.

THE CONTRACTOR SHALL REMOVE ALL CUT BRUSH AND WOOD CHIPS FROM THE FLOODPLAIN.

THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADE, ALLOW FOR THE THICKNESS OF TOPSOIL AS SHOWN.

SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK

THE BIDDER ACKNOWLEDGES THAT, PRIOR TO SUBMISSION OF ITS BID, IT HAS TAKEN STEPS NECESSARY TO ASCERTAIN THE NATURE AND LOCATION OF THE WORK, AND THAT IT HAS INVESTIGATED, CONFIRMED, VERIFIED AS CORRECT AND SATISFIED ITSELF AS TO THE GENERAL AND LOCAL CONDITIONS WHICH CAN AFFECT THE WORK OR ITS COSTS, INCLUDING BUT NOT LIMITED TO:

- (1) LOCATION AND LOAD CAPACITY OF EXISTING ROADWAYS, UTILITIES, CORRESPONDING PAVEMENT, SHOULDERS, CURB AND GUTTER, SANITARY SEWER, STORM SEWERS, AND WATER MAIN, BEARING UPON TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS;
- (2) THE AVAILABILITY OF LABOR, WATER, ELECTRIC POWER AND ROADS;
- (3) UNCERTAINTIES OF WEATHER, RIVER STAGES, TIDES, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE;
- (4) THE CONFORMATION AND CONDITIONS OF THE GROUND AND EXISTING DETENTION PONDS;
- (5) THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRIOR TO AND DURING WORK PERFORMANCE;
- (6) SUBSURFACE CONDITIONS AT THE SITE OF WORK;
- (7) THE QUANTITIES AND QUALITIES OF ALL MATERIALS, EQUIPMENT, AND LABOR SET FORTH IN THE BID PROPOSAL, PLANS AND DRAWINGS AND SPECIFICATIONS THAT ARE NECESSARY TO COMPLETE ALL OF THE WORK AS REQUIRED UNDER THE CONTRACT DOCUMENTS;
- (8) THE LOCATION, CONDITION, COMPATIBILITY, CONFIGURATION OF ALL EXISTING UTILITIES AND INFRASTRUCTURE.

THE 07/17/08 GEOTECHNICAL REPORT BY TESTING SERVICE CORPORATION (WHICH IS AVAILABLE FOR VIEWING AT KANE COUNTY DIVISION OF TRANSPORTATION) IS INCORPORATED INTO THE PLANS BY THIS REFERENCE.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION / DIRECTION AND MEANS / METHODS OF CONSTRUCTION.

COMMITMENT
 GROUND DISTURBING ACTIVITIES WILL NOT BE ALLOWED BY THE CONTRACTOR UNTIL AFTER THE TYLER CREEK HABITAT SURVEY FOR SLIPPERSHELLS AND OTHER FRESHWATER MUSSELS HAS BEEN COMPLETED AND THEY HAVE BEEN COLLECTED AND RELOCATED TO A SIMILAR HABITAT UPSTREAM FROM THE CONSTRUCTION SITE. THIS WORK WILL BE COMPLETED BY OTHERS.

Index of Sheets

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF QUANTITIES
6-7	TYPICAL SECTIONS
7-8	ALIGNMENT, TIES, AND BENCHMARKS
9	DETOUR PLAN
10	CONSTRUCTION STAGING
11-13	EROSION AND SEDIMENT CONTROL PLANS
14	EROSION AND SEDIMENT CONTROL DETAILS
15-18	EXISTING AND PROPOSED CONDITIONS
19-20	ROADWAY PROFILE
21-24	TYLER CREEK RELOCATION GRADING PLANS
25-26	STREAM PROFILE
27-30	DRAINAGE/UTILITIES PLAN AND PROFILE
31-35	PLAT OF HIGHWAYS
36	PAVEMENT MARKING PLAN
37	LANDSCAPING PLAN
38	BRIDGE GENERAL PLAN AND ELEVATION
39	BRIDGE GENERAL NOTES
40	TOP OF DECK PLAN AND DETAILS
41-42	TOP OF DECK ELEVATIONS
43	TOP OF WEST APPROACH SLAB ELEVATION
44	TOP OF EAST APPROACH SLAB ELEVATION
45	DECK PLAN AND CROSS SECTION
46-47	PARAPET DETAILS
48	SUPERSTRUCTURE DETAILS
49	BICYCLE RAILING
50	FRAMING PLAN AND DETAILS
51	STEEL DETAILS
52	WEST ABUTMENT DETAILS
53	EAST ABUTMENT DETAILS
54	BAR SPLICER ASSEMBLY
55-56	BRIDGE APPROACH SLAB DETAILS
57	PIER DETAILS
58	BORING LOGS
59	CONSTRUCTION DETAILS
60	CROSS SECTION LAYOUT PLAN
61-68	CROSS SECTIONS - BIG TIMBER ROAD AND TYLER CREEK
69-70	CROSS SECTIONS - PINGREE CREEK

LIST OF HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-02	GRATING FES
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602401-03	MANHOLE TYPE A
604001-03	FAME AND LIDS TYPE 1
630001-09	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-07	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-09	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT OF WAY MARKERS
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > OR EQUAL TO 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 800
 Rosemont, Illinois 60018
 (847) 923-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\NOT04198_2.DWG		DRAWN - PMM	REVISED -
	PLOT SCALE = 1"	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
 GENERAL NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	2
				CONTRACT NO. 63196
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

LOCATION OF PROJECT: F.A.S. ROUTE 0130 (BIG TIMBER ROAD) ± BRIDGE REPLACEMENT ± KANE COUNTY CONSTRUCTION TYPE CODE 0010 ± BDP FUNDS: 10% FED 20% LOCAL ± RURAL

PAY CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	140
20200100	EARTH EXCAVATION	CU YD	1521
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	546
20300100	CHANNEL EXCAVATION	CU YD	19174
20400800	FURNISHED EXCAVATION	CU YD	5783
20800150	TRENCH BACKFILL	CU YD	5
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	11890
+ 21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	600
△ 25000210	SEEDING, CLASS 2A	ACRE	3.20
△ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	288
△ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	288
△ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	288
△ 25100630	EROSION CONTROL BLANKET	SQ YD	36641
△ 25100632	TEMPORARY EROSION CONTROL BLANKET	SQ YD	4670
△ 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	8120
△ 25100900	TURF REINFORCEMENT MAT	SQ YD	960
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	550
28000305	TEMPORARY DITCH CHECKS	FOOT	725
28000315	AGGREGATE DITCH CHECKS	TON	5
28000400	PERIMETER EROSION BARRIER	FOOT	6550
28000500	INLET AND PIPE PROTECTION	EACH	4
28100105	STONE RIPRAP, CLASS A3	SQ YD	307
28100109	STONE RIPRAP, CLASS A5	SQ YD	3380
28200200	FILTER FABRIC	SQ YD	4200
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	430
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	42
+ 40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1600
40600895	CONSTRUCTING TEST STRIP	EACH	1
40701971	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14 1/2"	SQ YD	2490
40702700	FURNISH PROFILEGRAPH	L SUM	1
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	68
44000100	PAVEMENT REMOVAL	SQ YD	2564
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	192
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1424
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	30
50200100	STRUCTURE EXCAVATION	CU YD	220
50300225	CONCRETE STRUCTURES	CU YD	127.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	575.4
50300260	BRIDGE DECK GROOVING	SQ YD	703
50300280	CONCRETE ENCASEMENT	CU YD	9.0

PAY CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
50300300	PROTECTIVE COAT	SQ YD	1030
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	3354
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	131040
50800515	BAR SPLICERS	EACH	176
△ 50901720	BICYCLE RAILING	FOOT	156
51201600	FURNISHING STEEL PILES HP12X53	FOOT	1644
51202305	DRIVING PILES	FOOT	1644
51203600	TEST PILE STEEL HP12X53	EACH	2
51500100	NAME PLATES	EACH	1
52100520	ANCHOR BOLTS, 1"	EACH	52
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	58
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
54214731	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	2
5422A012	PIPE CULVERTS, CLASS A, TYPE 2 12"(TEMPORARY)	FOOT	60
54248160	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36"	EACH	2
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	160
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4
60107600	PIPE UNDERDRAINS 4"	FOOT	1563
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	161
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
61140200	STORM SEWERS (SPECIAL), 12"	FOOT	200
+ △ 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	25
△ 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2
△ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
△ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	1905
△ 66500105	WOVEN WIRE FENCE, 4'	FOOT	3242
△ 66800105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	25
+ △ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	125
+ △ 66900205	SPECIAL WASTE DISPOSAL	CU YD	125
+ △ 66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	125
+ △ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10
△ 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	5825
△ 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	235
△ 78200420	GUARDRAIL MARKERS, TYPE B	EACH	14
△ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
△ A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12.00
△ K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	247.00
X0323017	TEMPORARY INFORMATIONAL SIGNS	EACH	2

PAY CODE	DESCRIPTION	UNIT	TOTAL QUANTITY
X0324082	RIFLE STRUCTURE	EACH	4
X0325888	TEMPORARY CULVERT 24"	FOOT	300
X0426200	DEWATERING	L SUM	1
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	225
△ X2501750	SEEDING, CLASS 4 (SPECIAL)	ACRE	1.90
△ X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	4.40
+ △ X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	250
X2810106	STONE RIPRAP, CLASS A3 (SPECIAL)	SQ YD	861
X5021510	COFFERDAMS (SPECIAL)	EACH	2
△ X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	42
△ X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	4890
△ X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	45
XX006119	TRAFFIC CONTROL AND PROTECTION (DETOUR)	L SUM	1
XX006287	PERFORATED RISER	L SUM	1
+ XX006658	FLOCCULATION LOGS	EACH	15
+ XX006659	FLOCCULATION POWDER	POUND	350
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	4070
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	42
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	800
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0019600	DUST CONTROL WATERING	UNIT	5
Z0022800	FENCE REMOVAL	FOOT	630
+ Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	500
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	240
Z0076600	TRAINEES *	HOUR	1500

- * TRAINEES CONSTRUCTION CODE 0042
- △ SPECIALTY ITEM
- + QUANTITY IS PROVISIONAL; NEED FOR PAY ITEM TO BE DETERMINED BY THE ENGINEER IN ACCORDANCE WITH ARTICLE 109.03

CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\0404198_2-01.SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 1"		CHECKED - JGS	REVISED -
PLOT DATE = 2/17/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	3
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80030431			CONTRACT NO. 63196	



EARTHWORK SUMMARY			EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	REMOVE/DISPOSE UNSUITABLE MAT (CU YD)	CHANNEL EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) (CU YD)	EARTHWORK BALANCE WASTE OR SHORTAGE (-) (CU YD)
GRAND TOTAL			1521	23377	14071	546	19174	17594	-5783
STATION TO STATION									
BIG TIMBER ROAD	125+27.1	142+00.0	1521	21241	5471	546		1294	-19947
RELOCATED CREEK	125+27.1	135+32.0	0	2019	7552	0	17165	14592	12573
PINGREE CREEK	311+33.0	315+75.0	0	117	1048	0	2009	1708	1591

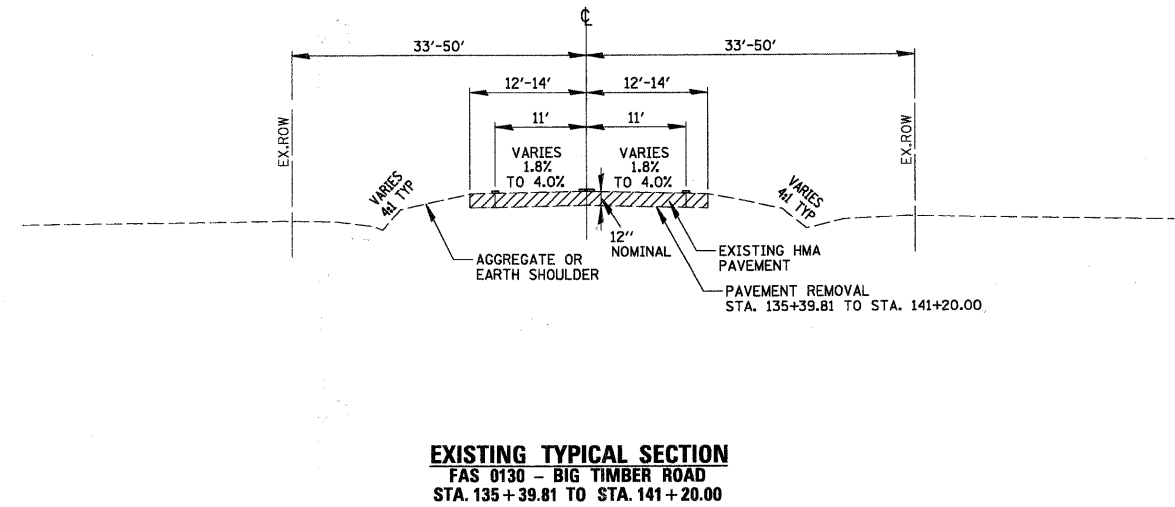
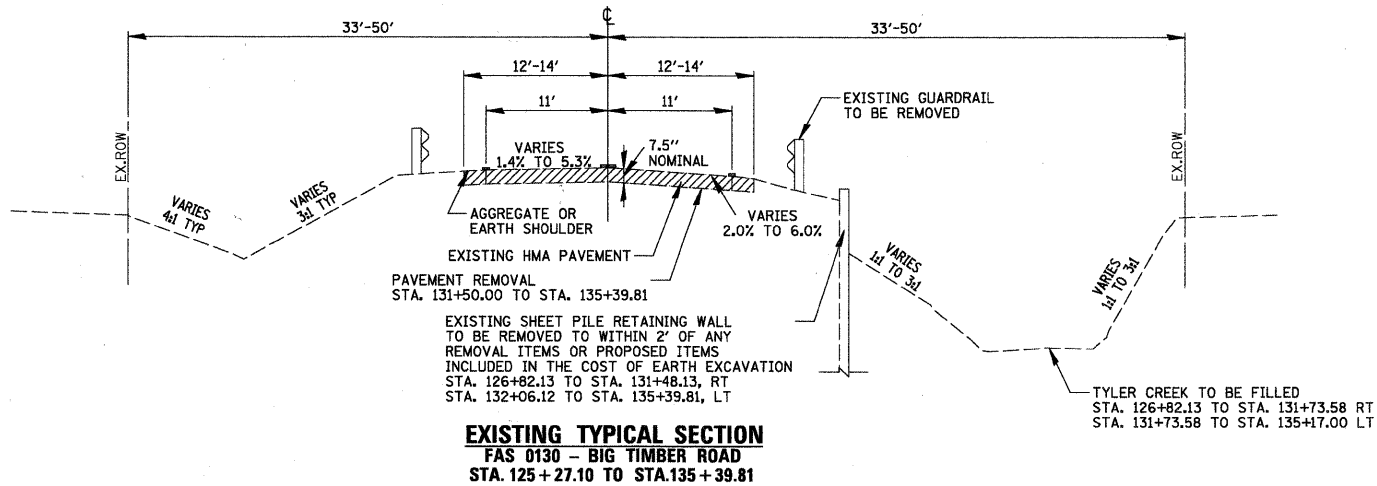
STATION	CHANNEL EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	REMOVE/DISPOSE UNSUITABLE MAT (SQ FT)	CHANNEL EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	REMOVE/DISPOSE UNSUITABLE MAT (CU YD)	CHANNEL EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) EARTHWORK BALANCE WASTE OR SHORTAGE (-)
SUB TOTAL :					2009	117	1048	0	1708 1591
311+33.0	6	6	41	0	0	0	0	0	0
312+00.0	103	1	28	0	136	9	86	0	116 107
312+94.0	216	2	86	0	556	6	199	0	473 467
313+97.0	185	1	80	0	765	6	317	0	650 644
315+00.0	58	27	63	0	464	54	273	0	394 340
315+75.0	5	3	61	0	88	42	173	0	75 33

STATION	CHANNEL EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	REMOVE/DISPOSE UNSUITABLE MAT (SQ FT)	CHANNEL EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	REMOVE/DISPOSE UNSUITABLE MAT (CU YD)	CHANNEL EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) EARTHWORK BALANCE WASTE OR SHORTAGE (-)
SUB TOTAL :					17165	2019	7552	0	14592 12573
125+27.1	0	0	0	0	0	0	0	0	0
125+50.0	344	0	177	0	146	0	76	0	124 124
125+75.0	369	0	216	0	331	0	182	0	281 281
126+00.0	361	1	229	0	338	1	207	0	287 286
126+90.0	361	1	303	0	1204	4	887	0	1023 1019
127+00.0	835	410	303	0	222	77	113	0	189 112
128+00.0	41	5	305	0	1623	769	1126	0	1380 611
129+00.0	950	23	309	0	1836	52	1138	0	1561 1509
130+00.0	763	11	309	0	3173	63	1145	0	2697 2634
130+80.0	763	11	0	0	2261	33	458	0	1922 1889
131+00.0	406	69	286	0	433	30	106	0	368 338
131+25.0	414	53	159	0	380	57	207	0	323 266
131+49.0	466	136	157	0	392	84	141	0	333 249
131+50.0	466	136	157	0	18	6	6	0	15 9
131+60.0	466	136	0	0	173	51	30	0	147 96
131+60.1	466	136	0	0	2	1	0	0	2 1
131+85.9	416	17	0	0	422	74	0	0	359 285
131+86.0	416	17	0	0	2	1	0	0	2 1
132+00.0	416	17	157	0	216	9	41	0	184 175
133+00.0	337	62	154	0	1395	147	576	0	1186 1039
134+00.0	298	70	148	0	1176	245	560	0	1000 755
134+72.1	288	62	145	0	783	177	392	0	666 489
135+32.0	288	62	0	0	639	138	161	0	543 405

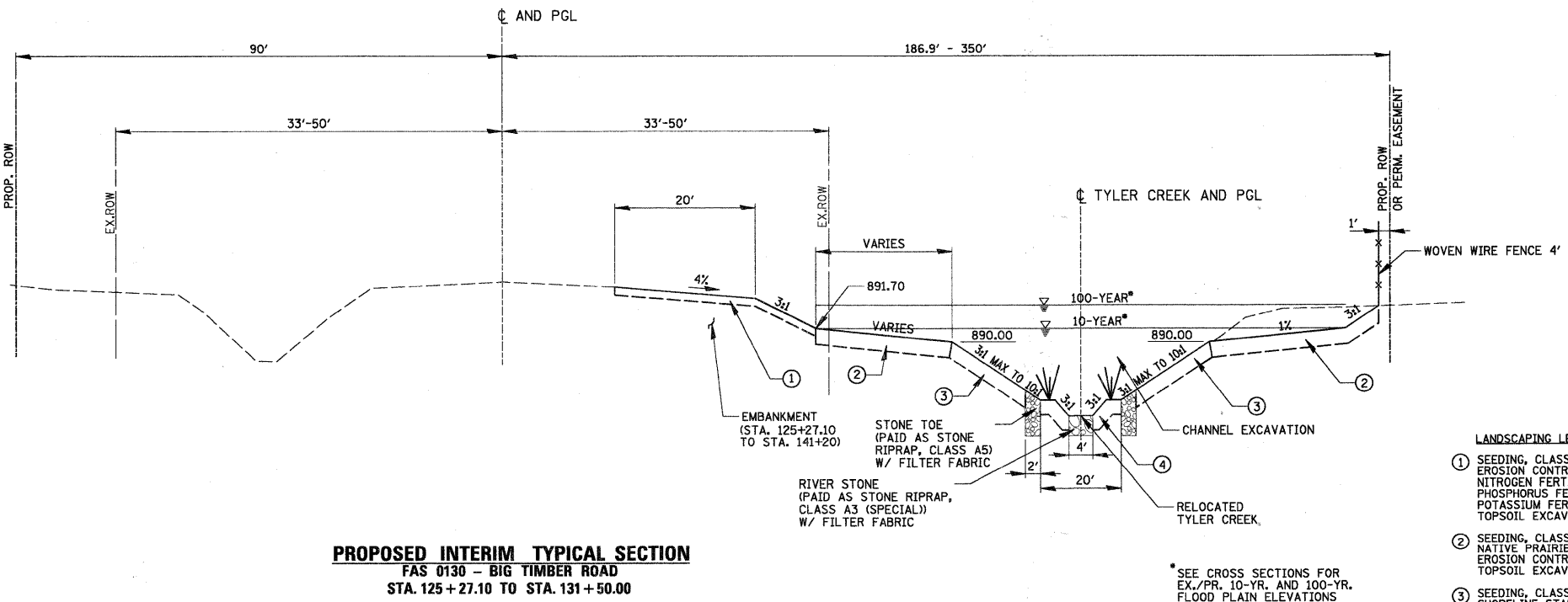
PINGREE CREEK EARTHWORK MATCHLINES

STATION	EXCAVATION (SQ FT)	EMBANKMENT (SQ FT)	TOPSOIL STRIP (UNSUITABLE) (SQ FT)	REMOVE/DISPOSE UNSUITABLE MAT (SQ FT)	EXCAVATION (CU YD)	EMBANKMENT (CU YD)	TOPSOIL STRIP (UNSUITABLE) (CU YD)	REMOVE/DISPOSE UNSUITABLE MAT (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) EARTHWORK BALANCE WASTE OR SHORTAGE (-)
SUB TOTAL :					1521	21241	5471	546	1294 -19947
125+27.1	0	0	0	0	0	0	0	0	0
125+50.0	2	38	19	0	1	17	9	0	1 -16
125+75.0	3	10	17	0	3	23	17	0	3 -20
126+00.0	4	79	36	0	4	42	25	0	3 -39
126+90.0	0	125	34	0	7	340	117	0	6 -334
127+00.0	0	125	34	0	0	47	13	0	0 -47
128+00.0	0	227	33	0	0	652	125	0	0 -652
129+00.0	0	237	31	0	0	860	119	0	0 -860
130+00.0	0	239	54	0	0	882	158	0	0 -882
130+80.0	0	0	0	0	0	355	80	0	0 -355
131+00.0	31	322	82	0	12	120	31	0	10 -110
131+25.0	28	336	91	0	28	305	81	0	24 -281
131+49.0	30	446	99	93	26	348	85	42	22 -326
131+50.0	30	446	99	93	2	17	4	4	2 -15
131+60.0	30	446	99	93	12	166	37	35	10 -156
131+60.1	0	703	0	0	1	3	1	1	1 -2
131+85.9	0	703	0	0	0	672	0	0	0 -672
131+86.0	31	469	103	28	1	3	1	1	1 -2
132+00.0	31	469	103	28	17	244	54	15	14 -230
133+00.0	36	618	111	62	125	2013	397	167	106 -1907
134+00.0	54	706	127	26	167	2452	441	163	142 -2310
134+72.1	95	892	247	23	199	2134	500	66	169 -1965
135+32.0	95	892	247	23	211	1979	548	52	179 -1800

PINGREE CREEK EARTHWORK MATCHLINES



HOT-MIX ASPHALT TABLE		
Pay Item Description	Voids	Comments
HMA Full Depth Pavement - 14 1/2"		
Hot-Mix Asphalt Surface Course, Mix "D", N70, IL 9.5 mm; 2"	4% @ 70 Gyr.	In 1 Lift
Hot-Mix Asphalt Binder Course, IL-19.0, N70; 2 1/4"	4% @ 70 Gyr.	In 1 Lift
HMA Base Course (HMA Binder IL-19 mm); 10 1/4"	4% @ 70 Gyr.	In 3 Lifts
HMA Shoulders - 8"		
Hot-Mix Asphalt Surface Course, Mix "D", N70, IL 9.5 mm; 2"	4% @ 70 Gyr.	In 1 Lift
Hot-Mix Asphalt Shoulder (HMA Binder IL-19 mm); 6"	2% @ 30 Gyr.	In 2 Lifts
HMA Driveways - 8"		
Hot-Mix Asphalt Surface Course, Mix "C", N50, IL 9.5 mm; 2"	4% @ 50 Gyr.	In 1 Lift
HMA Base Course (HMA Binder IL-19 mm); 6"	4% @ 50 Gyr.	In 2 Lifts
Bridge Approach Pavement Connector (Flexible)		
Hot-Mix Asphalt Surface Course, Mix "D", N70, IL 9.5 mm; 2"	4% @ 70 Gyr.	In 1 Lift
Hot-Mix Asphalt Binder Course, IL-19.0, N70; 2 1/4"	4% @ 70 Gyr.	In 1 Lift
HMA Base Course (HMA Binder IL-19 mm); 10 1/4" to 10 3/4"	4% @ 70 Gyr.	In 3 Lifts
The unit weight used to calculate all Hot-Mix Asphalt Surface Mixtures is 112 Lbs/SqYd/In.		
The "AC Type" for Polymerized HMA mixes shall be "SBS/SBR PG 70-22" and for Non-Polymerized HMA, the "AC Type" shall be "PG 64-22" unless modified by District One special provisions. For "Percent of RAP", see District One special provisions.		



- LANDSCAPING LEGEND**
- SEEDING, CLASS 2A
EROSION CONTROL BLANKET
NITROGEN FERTILIZER NUTRIENT
PHOSPHORUS FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
TOPSOIL EXCAVATION AND PLACEMENT - 4"
 - SEEDING, CLASS 4 (MODIFIED) :
NATIVE PRAIRIE GRASSLAND
EROSION CONTROL BLANKET
TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - SEEDING, CLASS 4 (SPECIAL) :
SHORELINE STABILIZATION MIX
HEAVY DUTY EROSION CONTROL BLANKET
TURF REINFORCEMENT MAT ON SLOPES STEEPER THAN 3:1
TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER
BY 4" DEEP PLUG
TOPSOIL EXCAVATION AND PLACEMENT - 12"

* SEE CROSS SECTIONS FOR EX./PR. 10-YR. AND 100-YR. FLOOD PLAIN ELEVATIONS

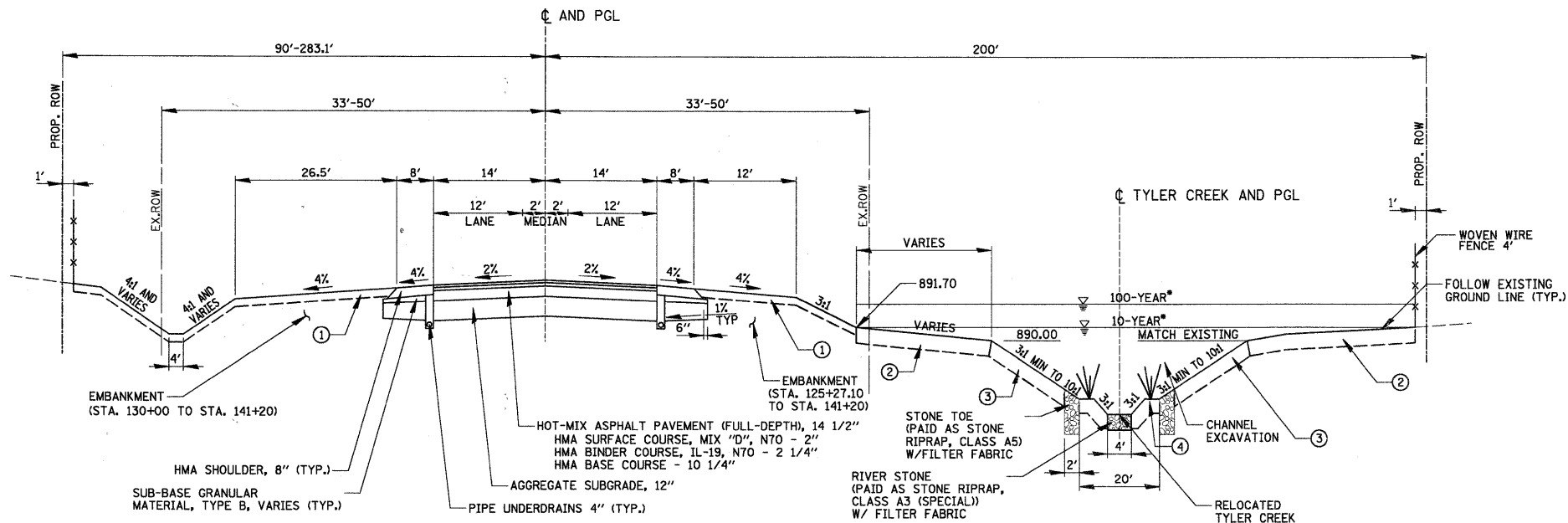
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9675 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civ\1.2\TYP04198_2-01.SHT		DRAWN - PMM	REVISED -
	PLOT SCALE = 1"	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

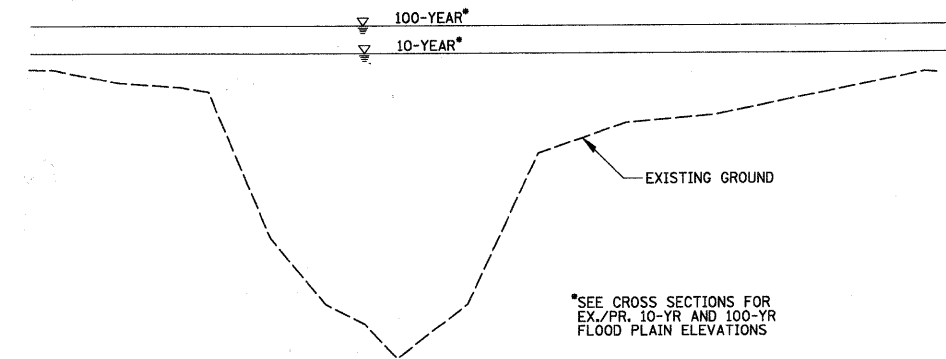
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD TYPICAL SECTIONS			
SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	

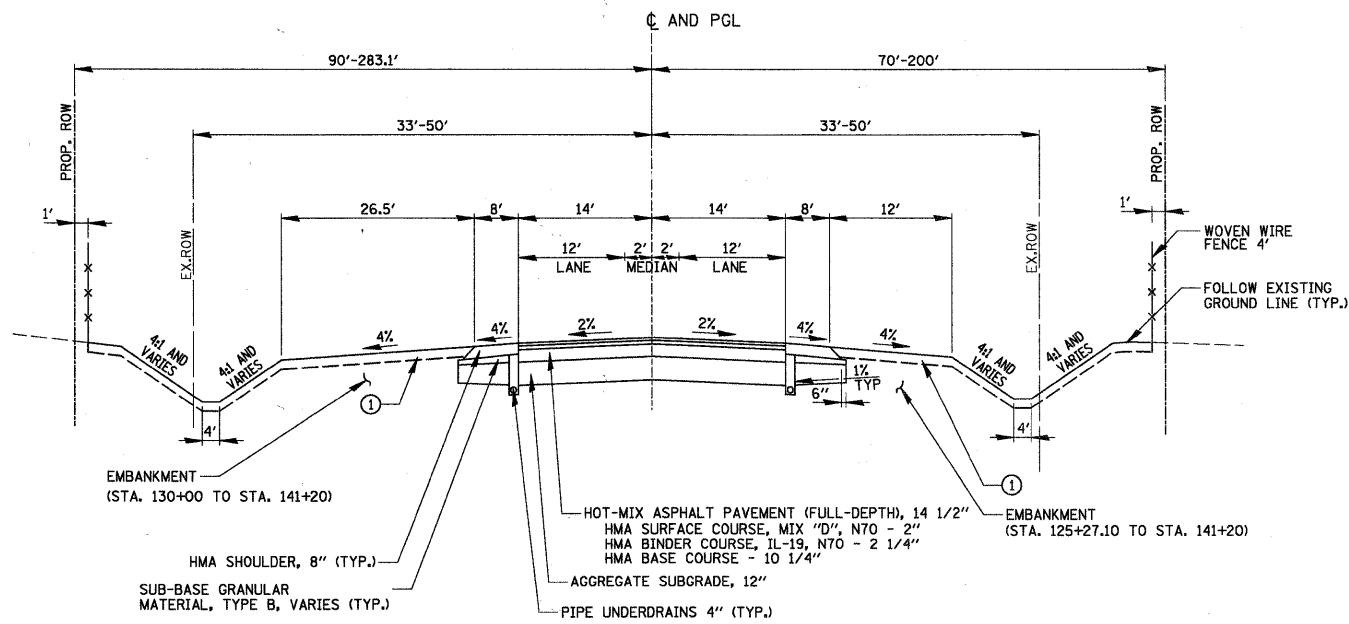
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	5
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				



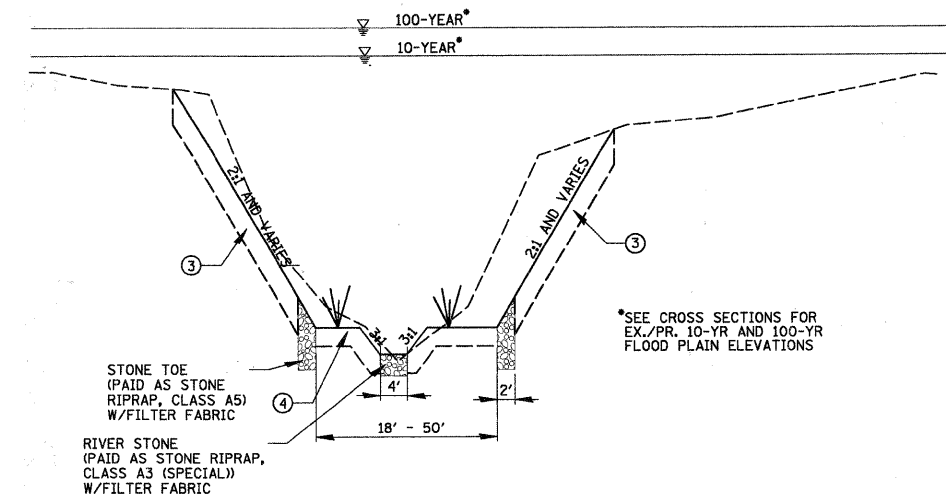
PROPOSED TYPICAL SECTION
FAS 0130 - BIG TIMBER ROAD
STA. 131+50.00 TO STA. 135+32.11
(BRIDGE OMISSION STA. 135+32.11 TO STA. 136+27.89)



EXISTING TYPICAL SECTION
PINGREE CREEK
STA. 311+33.00 TO STA. 315+75.00
(BRIDGE OMISSION STA. 312+94.00 TO STA. 313+97.63)



PROPOSED TYPICAL SECTION
FAS 0130 - BIG TIMBER ROAD
STA. 136+27.89 TO STA. 141+20.00
(BRIDGE OMISSION STA. 135+32.11 TO STA. 136+27.89)



PROPOSED TYPICAL SECTION
PINGREE CREEK
STA. 311+33.00 TO STA. 315+75.00
(BRIDGE OMISSION STA. 312+94.00 TO STA. 313+97.63)

- LANDSCAPING LEGEND**
- ① SEEDING, CLASS 2A
 EROSION CONTROL BLANKET
 NITROGEN FERTILIZER NUTRIENT
 PHOSPHORUS FERTILIZER NUTRIENT
 POTASSIUM FERTILIZER NUTRIENT
 TOPSOIL EXCAVATION AND PLACEMENT - 4"
 - ② SEEDING, CLASS 4 (MODIFIED) :
 NATIVE PRAIRIE GRASSLAND
 EROSION CONTROL BLANKET
 TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - ③ SEEDING, CLASS 4 (SPECIAL) :
 SHORELINE STABILIZATION MIX
 HEAVY DUTY EROSION CONTROL BLANKET
 TURF REINFORCEMENT MAT ON SLOPES STEEPER THAN 3:1
 TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - ④ PERENNIAL PLANTS, BULB TYPE
 TOPSOIL EXCAVATION AND PLACEMENT - 12"

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



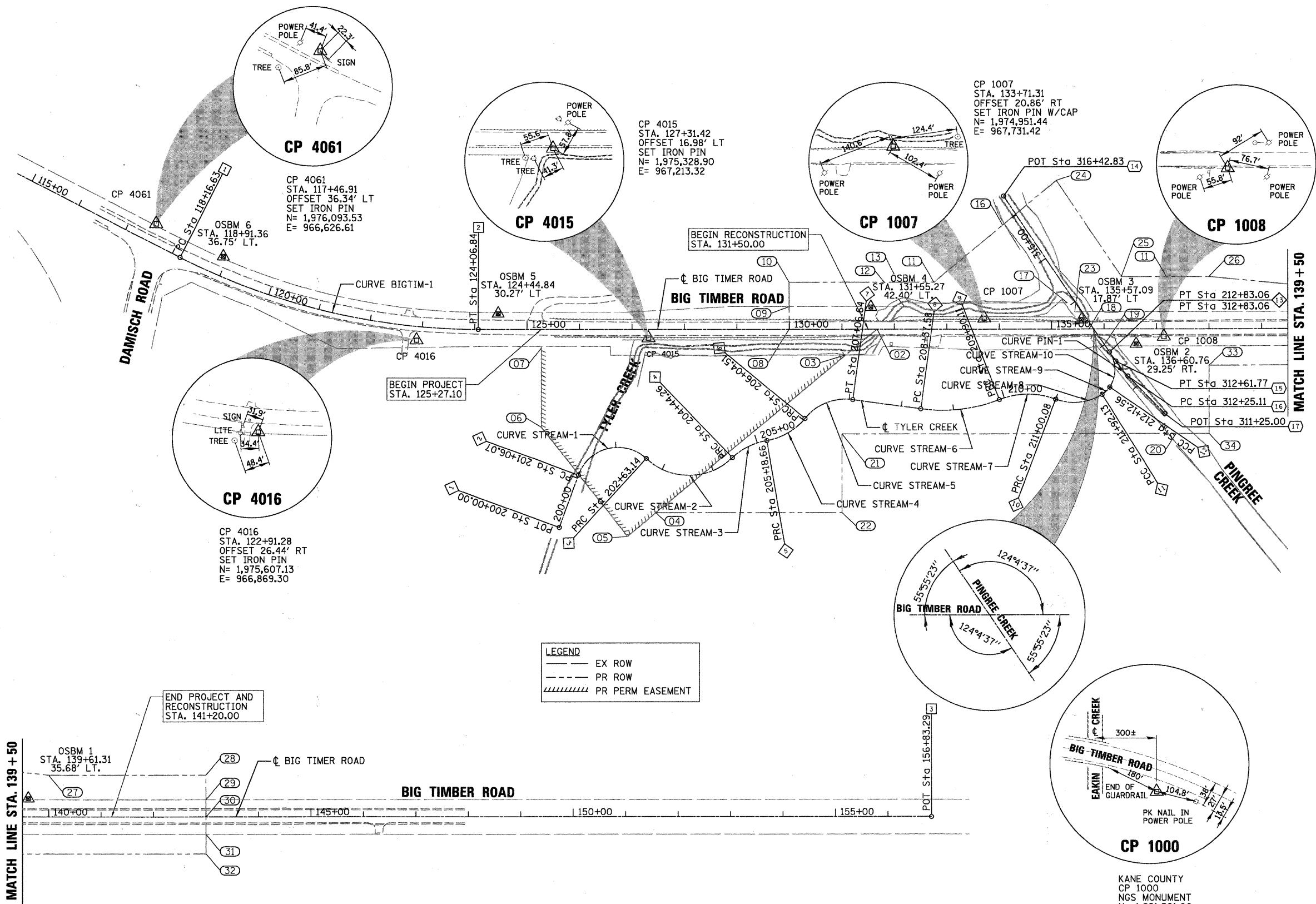
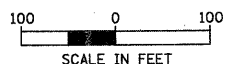
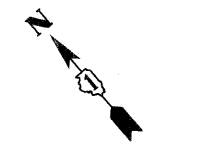
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\B4198\Civil\2\TYPB4198-2-82.SHT		DRAWN - PMM	REVISED -
	PLOT SCALE = 1"	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
 TYPICAL SECTIONS

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

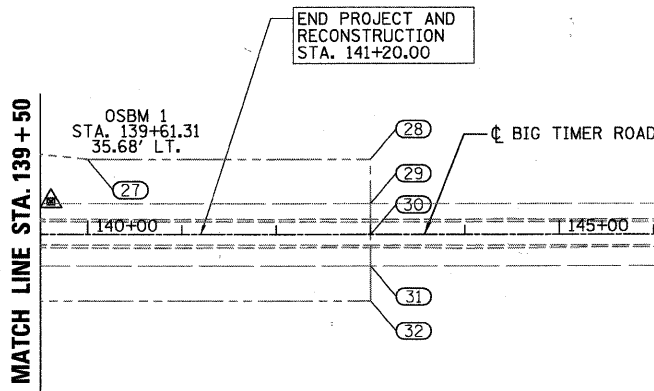
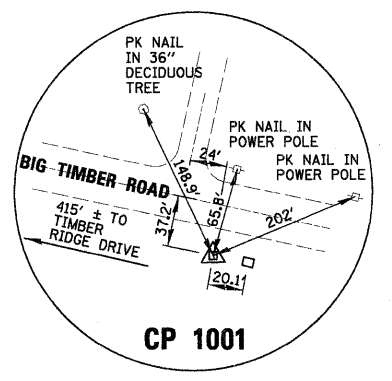
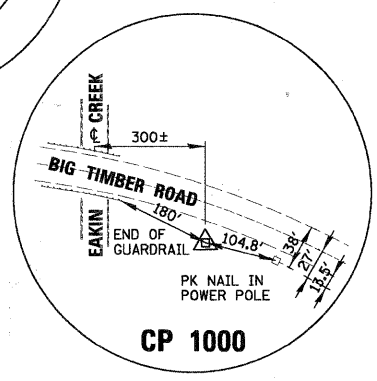
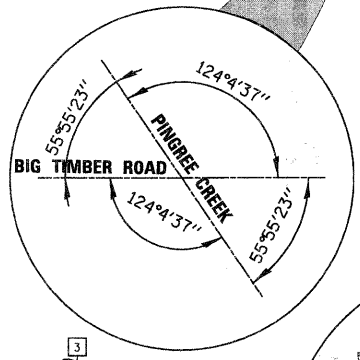
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	6
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431				



ROW AND EASEMENT TABLE

PT #	STATION	OFFSET	
02	131+67.04	0.00	RT
03	131+06.76	50.00	RT
04	127+45.21	350.00	RT
05	126+91.17	394.84	RT
06	125+27.10	186.89	RT
07	125+27.10	33.00	RT
08	129+99.39	0.00	LT
09	129+99.39	43.40	LT
10	129+99.39	90.00	LT
11	132+75.51	90.00	LT
12	132+19.34	43.40	LT
13	132+27.30	50.00	LT
14	133+98.39	90.00	LT
15	133+54.21	155.30	LT
16	134+06.72	198.87	LT
17	135+29.89	50.00	LT
18	135+71.26	0.00	LT
19	135+98.57	33.00	RT
20	137+36.75	200.00	RT
21	131+00.00	200.00	RT
22	131+00.00	350.00	RT
23	135+43.96	33.00	LT
24	135+09.22	283.10	LT
25	136+33.08	100.00	LT
26	138+00.08	100.00	LT
27	140+00.00	80.00	LT
28	143+00.00	80.00	LT
29	143+00.00	33.00	LT
30	143+00.00	0.00	LT
31	143+00.00	33.00	RT
32	143+00.00	70.00	RT
33	138+00.00	70.00	RT
34	138+00.00	200.00	RT

LEGEND
 - - - - - EX ROW
 - - - - - PR ROW
 // // // // PR PERM EASEMENT



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



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
H:\kane\county\B4198\Civil\2\B4198-2-01.SHT		DRAWN - PMM	REVISED -
		CHECKED - JRM	REVISED -
		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET NO. OF SHEETS STA. 115+00 TO STA. 156+84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	7
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				

PROP. CURVE BIGTIM-1
 PI STA. = 121+17.21
 $\Delta = 26^\circ 44' 56''$ (LT)
 D = 4° 31' 56"
 R = 1,264.21'
 T = 300.58'
 L = 590.20'
 E = 35.24'
 P.C. STA = 118+16.63
 P.T. STA = 124+06.84

PROP. CURVE PIN-1
 PI STA. = 312+43.49
 $\Delta = 10^\circ 30' 09''$ (RT)
 D = 28° 38' 52"
 R = 200.00'
 T = 18.38'
 L = 36.66'
 E = 0.84'
 P.C. STA = 312+25.11
 P.T. STA = 312+61.77

PROP. CURVE STREAM-1
 PI STA. = 202+25.79
 $\Delta = 112^\circ 29' 39''$ (RT)
 D = 71° 37' 11"
 R = 80.00'
 T = 119.72'
 L = 157.07'
 E = 63.99'
 P.C. STA = 201+06.07
 P.T. STA = 202+63.14

PROP. CURVE STREAM-2
 PI STA. = 203+75.98
 $\Delta = 86^\circ 28' 27''$ (LT)
 D = 47° 44' 48"
 R = 120.00'
 T = 112.83'
 L = 181.11'
 E = 44.72'
 P.C. STA = 202+63.14
 P.T. STA = 204+44.26

PROP. CURVE STREAM-3
 PI STA. = 204+82.60
 $\Delta = 34^\circ 06' 14''$ (RT)
 D = 45° 50' 11"
 R = 125.00'
 T = 38.34'
 L = 74.40'
 E = 5.75'
 P.C. STA = 204+44.26
 P.T. STA = 205+18.66

PROP. CURVE STREAM-4
 PI STA. = 205+63.52
 $\Delta = 40^\circ 59' 33''$ (LT)
 D = 47° 44' 48"
 R = 120.00'
 T = 44.86'
 L = 85.85'
 E = 8.11'
 P.C. STA = 205+18.66
 P.T. STA = 206+04.51

PROP. CURVE STREAM-5
 PI STA. = 206+60.53
 $\Delta = 58^\circ 30' 51''$ (RT)
 D = 57° 17' 44"
 R = 100.00'
 T = 56.02'
 L = 102.13'
 E = 14.62'
 P.C. STA = 206+04.51
 P.T. STA = 207+06.64

PROP. CURVE STREAM-6
 PI STA. = 209+15.53
 $\Delta = 29^\circ 07' 54''$ (LT)
 D = 19° 05' 55"
 R = 300.00'
 T = 77.95'
 L = 152.53'
 E = 9.96'
 P.C. STA = 208+37.58
 P.T. STA = 209+90.11

PROP. CURVE STREAM-7
 PI STA. = 210+47.70
 $\Delta = 42^\circ 00' 20''$ (RT)
 D = 38° 11' 50"
 R = 150.00'
 T = 57.59'
 L = 109.97'
 E = 10.67'
 P.C. STA = 209+90.11
 P.T. STA = 211+00.08

PROP. CURVE STREAM-8
 PI STA. = 211+49.66
 $\Delta = 52^\circ 44' 20''$ (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 49.57'
 L = 92.05'
 E = 11.61'
 P.C. STA = 211+00.08
 P.T. STA = 211+92.13

PROP. CURVE STREAM-9
 PI STA. = 212+02.49
 $\Delta = 23^\circ 24' 48''$ (LT)
 D = 114° 35' 30"
 R = 50.00'
 T = 10.36'
 L = 20.43'
 E = 1.06'
 P.C. STA = 211+92.13
 P.T. STA = 212+12.56

PROP. CURVE STREAM-10
 PI STA. = 212+52.52
 $\Delta = 67^\circ 19' 20''$ (LT)
 D = 95° 29' 35"
 R = 60.00'
 T = 39.96'
 L = 70.50'
 E = 12.09'
 P.C. STA = 212+12.56
 P.T. STA = 212+83.06

ELEVATION BENCHMARKS DATUM: KANE CO. (NGVD OF 1929)		
NO.	DESCRIPTION	ELEV.
RM 135-1	CHISELED SQUARE ON SOUTH HEADWALL OF DOUBLE BOX CULVERT UNDER ILLINOIS ROUTE 72	901.07
RM 135-2	CHISELED SQUARE ON SOUTHWEST WING WALL OF MCCORMACK ROAD BRIDGE OVER TYLER CREEK	888.73
OSBM 1	MINI RAILROAD SPIKE IN SOUTHERLY FACE OF POWER POLE SOUTHEASTERLY OF TYLER CREEK ON NORTHERLY SIDE OF BIG TIMBER ROAD	891.78
OSBM 2	RAILROAD SPIKE IN NORTHERLY FACE OF POWER POLE OF SOUTHEASTERLY CORNER OF TYLER CREEK AND BIG TIMBER ROAD	892.81
OSBM 3	SQUARE CUT ON NORTHWEST CORNER OF CONCRETE HEADWALL FOR BRIDGE OVER TYLER CREEK ON NORTHERLY SIDE OF BIG TIMBER ROAD	893.64
OSBM 4	YELLOW "BENCH TIE" SPIKE IN SOUTHERLY FACE OF POWER POLE ON NORTHERLY SIDE OF BIG TIMBER ROAD & WESTERLY SIDE OF 1ST BRIDGE WESTERLY OF TYLER CREEK	893.49
OSBM 5	YELLOW "BENCH TIE" SPIKE IN SOUTHERLY FACE OF POWER POLE ON WESTERLY SIDE OF DRIVE TO HOUSE NUMBER 15N563	893.84
OSBM 6	YELLOW "BENCH TIE" SPIKE IN SOUTHWESTERLY FACE OF POWER POLE AT SOUTHEASTERLY CORNER OF BIG TIMBER ROAD & DAMICSH	896.86

ALIGNMENT POINTS - BIG TIMBER ROAD				
ID	STATION	NORTHING (Y)	EASTING (X)	DESCRIPTION
1	118+16.63	1,976,015.09	966,621.16	PC
2	124+06.84	1,975,548.29	966,973.51	PT
3	156+83.29	1,973,465.99	969,503.17	POT

ALIGNMENT POINTS - TYLER CREEK				
ID	STATION	NORTHING (Y)	EASTING (X)	DESCRIPTION
1	200+00.00	1,975,158.66	966,852.60	POT
2	201+06.07	1,975,212.26	966,944.14	PC
3	202+63.14	1,975,154.17	967,063.81	PRC
4	204+44.26	1,975,050.92	967,191.75	PRC
5	205+18.66	1,975,034.78	967,263.27	PRC
6	206+04.51	1,975,021.24	967,346.20	PRC
7	207+06.64	1,974,990.98	967,439.15	PT

ALIGNMENT POINTS - TYLER CREEK				
ID	STATION	NORTHING (Y)	EASTING (X)	DESCRIPTION
8	208+37.58	1,974,894.76	967,527.96	PC
9	209+90.11	1,974,813.19	967,654.90	PRC
10	211+00.08	1,974,745.28	967,738.27	PRC
11	211+92.13	1,974,695.87	967,812.09	PCC
12	212+12.56	1,974,697.38	967,832.33	PCC
13	212+83.06	1,974,749.04	967,874.22	PT

ALIGNMENT POINTS - PINGREE CREEK				
ID	STATION	NORTHING (Y)	EASTING (X)	DESCRIPTION
14	312+83.06	1,974,749.04	967,874.22	PT
15	316+42.83	1,975,107.22	967,907.97	POT
16	312+61.77	1,974,727.85	967,872.23	PT
17	312+25.11	1,974,691.24	967,872.14	PC
18	311+25.00	1,974,591.53	967,881.08	POT

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



FILE NAME =	USER NAME = BLUKE	DESIGNED -- BLL	REVISED --
N:\kanecounty\04198\1\1_2\BNH04198_2-02.SHT		DRAWN -- PMM	REVISED --
		CHECKED -- JRM	REVISED --
		DATE -- 02/07/2011	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
 ALIGNMENT, TIES AND BENCHMARKS

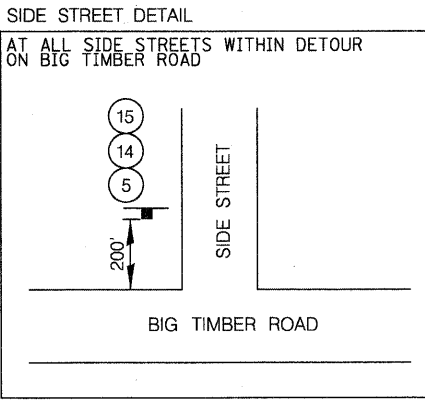
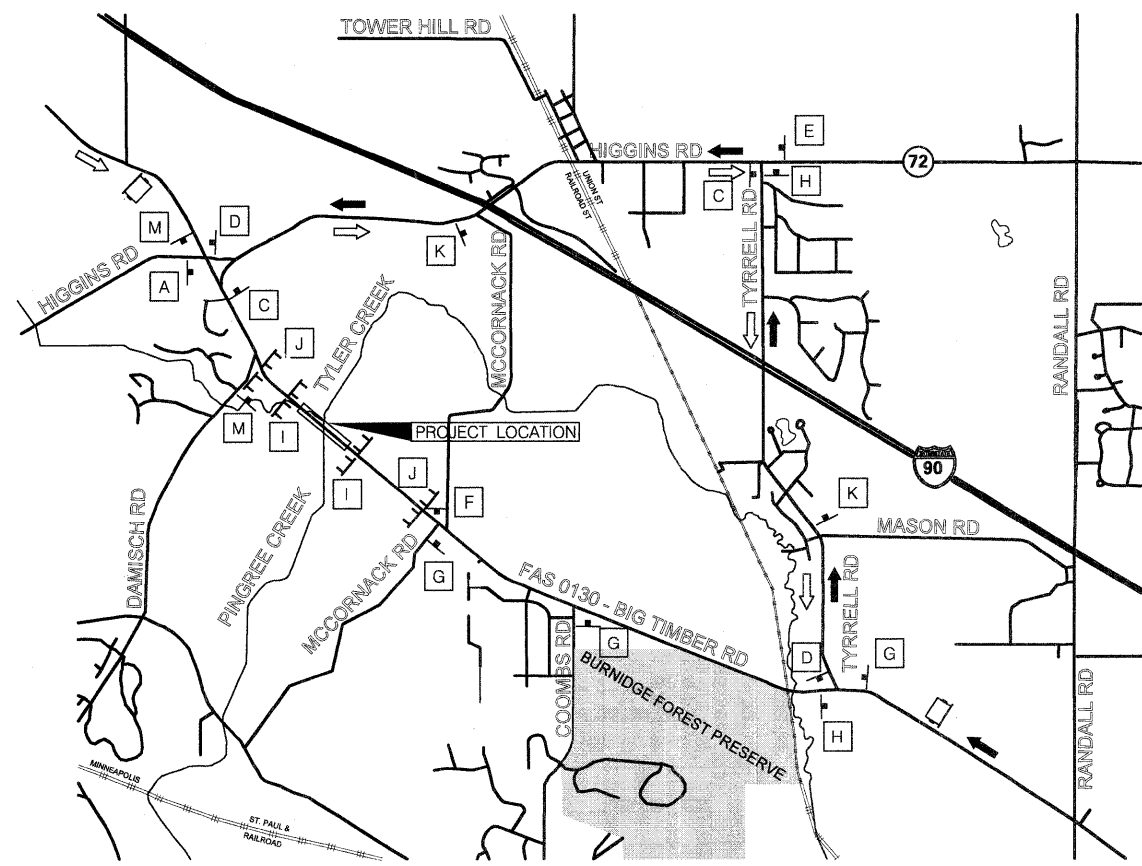
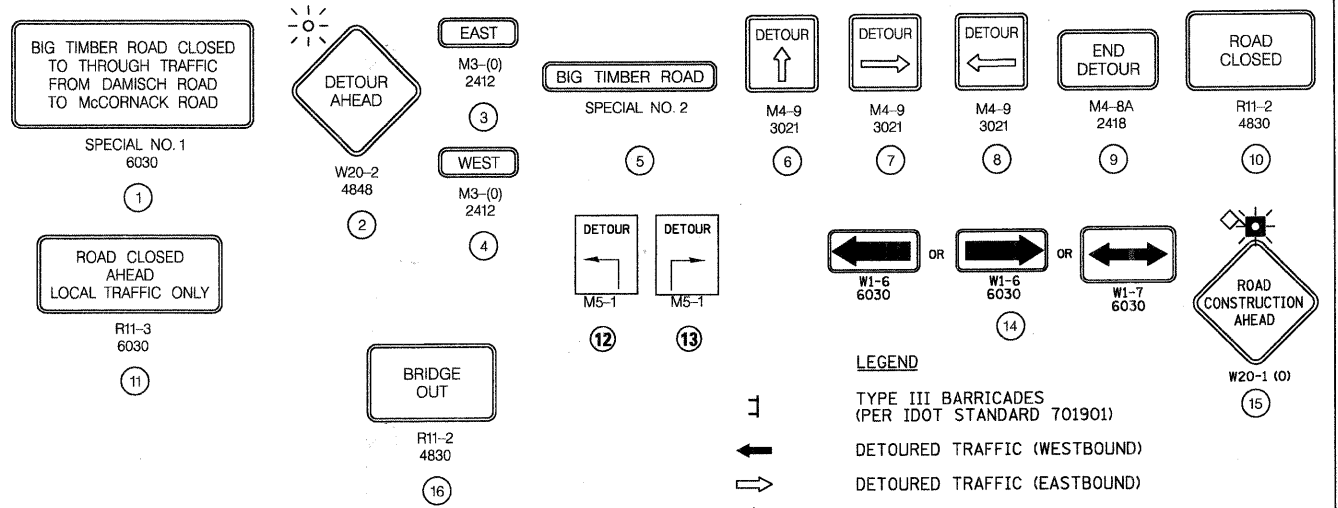
SCALE: 1"=100' SHEET NO. OF SHEETS STA. 125+26.85 TO STA. 155+56.83

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043			CONTRACT NO. 63196	

SUGGESTED TRAFFIC CONTROL PLAN GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", AND THE SPECIAL PROVISIONS.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK.
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- THE DURATION OF THIS DETOUR SHALL NOT EXCEED FORTY-FIVE (45) CALENDAR DAYS. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (DETOUR)".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION OF THE SIGNS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY" (R11-3) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.

- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED WITHIN 25 FT BEHIND THE TYPE III BARRICADES. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.



SIGN DESIGNATION	SIGN LAYOUT
A	[1 15] 500' [2] 200' [3 5 6] 300' [3 5 6]
B	[1 15] 500' [2] 200' [3 5 13] 300' [3 5 7]
C	[3 5 13] 300' [3 5 7]
D	[1 15] 200' [9 5]
E	[1 15] 500' [2] 200' [4 5 6] 300' [4 5 6]
F	[1 15] 500' [2] 200' [4 5 12] 300' [4 5 8]
G	[1 15] 500' [2] 200' [4 5 13] 300' [4 5 7]
H	[4 5 12] 300' [4 5 8]
I	[1 11] 200' [16]
J	[1 11] 300' [11] 200' [10]
K	[6 4 5] OR [6 3 5]
L	[1 4 5]
M	[1 15] 500' [2] 200' [3 5 12] 300' [3 5 8]

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9675 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
\\kenacounty\04198\Cv\1.2\DETOUR04198	2-@LSHT	DRAWN - PMM	REVISED -
	PLOT SCALE = 1/800"	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
DETOUR PLAN

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043			CONTRACT NO. 63196	



SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES:

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED JUNE, 2010 AS MAINTAINED AT THE ILLINOIS ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS WEBSITE WWW.AISWCD.ORG.

THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION AND SEDIMENT CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH THE BY THE ILLINOIS EPA.

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. STREAM BANKS SHALL BE STABILIZED AT THE END OF EACH WORK DAY. ONCE WORK BEGINS IN THE CRITICAL AREAS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF THE AREA.

ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM CREEK FLOWS AT ALL TIMES. THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE KDSWCD MUST BE IN AGREEMENT WITH THE OVERALL EXACT METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

THE US ARMY CORP OF ENGINEERS WILL DETERMINE WHEN THE RELOCATED CHANNEL IS ACCEPTABLE FOR ACCEPTING FLOWS.

IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE) AS SOON AS COLLECTION OF MATERIAL BEGINS. STOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. DAILY INSPECTIONS ARE REQUIRED AND THE STREETS WILL BE CLEANED WHEN NECESSARY.

THE OUTLET OF ALL PUMPS USED FOR BYPASS PUMPING, OR DEWATERING WILL BE PLACED ON A NON-ERODIBLE SURFACE TO DISSIPATE THE ENERGY OF THE WATER.

THE CONTRACTOR SHALL PROVIDE ON-SITE CONCRETE TRUCK WASHOUT FACILITIES. A SUBMITTAL WILL BE MADE TO THE ENGINEER, FOR APPROVAL, SHOWING THE LOCATIONS AND TYPE OF WASHOUT FACILITIES PROPOSED. THE EXISTING AND RELOCATED WATERS OF THE US REQUIRE ADDITIONAL PROTECTION MEASURES FROM POLLUTANTS RESULTING FROM THE WASHING OUT OF CONCRETE TRUCKS.

CONSTRUCTION STAGING:

STAGE 1: SUMMER 2011 TO FALL 2011

CONSTRUCTION:

- SITE CLEARING AND TREE REMOVAL WITHIN THE WORK ZONE.
- COMPLETE EXCAVATION FOR RELOCATED CHANNEL AND COMPENSATORY STORAGE AREA. MAINTAIN EXISTING FIELD TILES ENCOUNTERED DURING CONSTRUCTION.
- CONSTRUCT THE RIVER STONE, STONE TOE AND STABILIZE CHANNEL SIDE SLOPES.
- COORDINATE WITH UTILITY COMPANIES FOR FACILITY RELOCATIONS.

MAINTENANCE OF TRAFFIC:

- PLACE ROAD CONSTRUCTION AHEAD SIGNS 500' IN ADVANCE OF WORK AREA.
- PROVIDE FLAGGERS WHEN TRUCKS ARE ENTERING OR EXITING THE PROJECT SITE.

SOIL EROSION AND SEDIMENT CONTROL:

- INSTALL PERIMETER EROSION BARRIER AND STABILIZED CONSTRUCTION ENTRANCES.
- LEAVE AN EARTH BERM A MINIMUM OF 5' WIDE AT BOTH ENDS OF THE CHANNEL EXCAVATION.
- INSTALL A TEMPORARY 12" CULVERT PIPE AT THE DOWN STREAM END OF THE CHANNEL WITH A ROCK CHECK DAM.

WINTER SHUT DOWN

STAGE 2A: SPRING 2012

CONSTRUCTION:

- INSTALL COFFER DAM (SPECIAL) AROUND SOUTHEAST ABUTMENT OF STRUCTURE NO. 045-3012.
- REMOVAL OF STRUCTURE NO. 045-3012 DECK AND SOUTHEAST ABUTMENT AND APPURTENANCES
- CONSTRUCT PROPOSED BRIDGE'S SOUTHEAST EMBANKMENT AND SLOPE WALLS.
- STABILIZE PROPOSED BRIDGE'S SOUTHEAST EMBANKMENT TO THE SATISFACTION OF THE ENGINEER.
- REMOVE COFFER DAM (SPECIAL)
- INSTALL COFFER DAM (SPECIAL) AROUND NORTHWEST ABUTMENT OF STRUCTURE NO. 045-3012.
- STABILIZE PROPOSED BRIDGE'S NORTHWEST EMBANKMENT TO THE SATISFACTION OF THE ENGINEER.
- REMOVE COFFER DAM (SPECIAL)
- COMPLETE BRIDGE SUBSTRUCTURE, CREEK WIDENING AND SLOPE WALLS.
- BEGIN BRIDGE SUPERSTRUCTURE.

MAINTENANCE OF TRAFFIC:

- SET UP DETOUR ROUTE AND CLOSE BIG TIMBER ROAD TO TRAFFIC.

SOIL EROSION AND SEDIMENT CONTROL:

- INSTALL ADDITIONAL PERIMETER EROSION BARRIER AND STABILIZED CONSTRUCTION ENTRANCES.
- USE BYPASS PUMPING WHILE REMOVING THE BRIDGE DECK AND BEAMS. CREATE A CHANNEL DIVERSION SHIFTING THE FLOW TO THE EAST WHILE REMOVING THE WEST ABUTMENT, AND THEN SWITCH THE FLOW TO THE OTHER SIDE FOR REMOVAL OF THE EAST ABUTMENT.

STAGE 2B: SUMMER 2012

CONSTRUCTION:

- AFTER APPROVAL FROM THE USCOE AND DURING A PERIOD OF LOW FLOW IN THE CREEK, THE CONNECTIONS BETWEEN THE EXISTING AND RELOCATED CHANNEL MAY BE CONSTRUCTED. THE MAXIMUM DURATION OF THIS WORK WILL BE ONE DAY FOR THE EXCAVATION, CONSTRUCTION OF THE STONE TOE AND SLOPE STABILIZATION.

MAINTENANCE OF TRAFFIC:

- CONTINUE USE OF DETOUR ROUTE AND CLOSURE OF BIG TIMBER ROAD.

SOIL EROSION AND SEDIMENT CONTROL:

A REPRESENTATIVE FROM THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT MUST BE ON SITE DURING THIS STAGE OF CONSTRUCTION.

- PLACE DIVERSION STRUCTURE WITHIN THE EXISTING CHANNEL, EXCAVATE DOWNSTREAM CONNECTION AND STABILIZE SLOPES.
- PLACE A DIVERSION STRUCTURE WITHIN THE EXISTING CREEK AT THE UPSTREAM END OF THE RELOCATED CHANNEL TO SEPARATE FLOW FROM EXCAVATION.
- DIVERT FLOW TO RELOCATED CHANNEL AND BUILD SIDE SLOPE ACROSS THE EXISTING CHANNEL.

STAGE 3: SUMMER 2012

CONSTRUCTION:

- EARTHWORK FOR ROADWAY EMBANKMENT AND FILLING OF EXISTING CHANNEL.
- REMOVAL OF STRUCTURE NO. 045-3011.
- COMPLETE WORK ON STRUCTURE NO. 045-3323.
- COMPLETE HMA ROADWAY AND SHOULDERS, GUARDRAIL, AND PAVEMENT MARKINGS
- OPEN ROADWAY TO TWO-WAY TRAFFIC
- INSTALL FENCING, REMAINING LANDSCAPING AND MISCELLANEOUS WORK.
- REMOVAL OF TEMPORARY EROSION CONTROL ITEMS UPON ENGINEER'S APPROVAL.

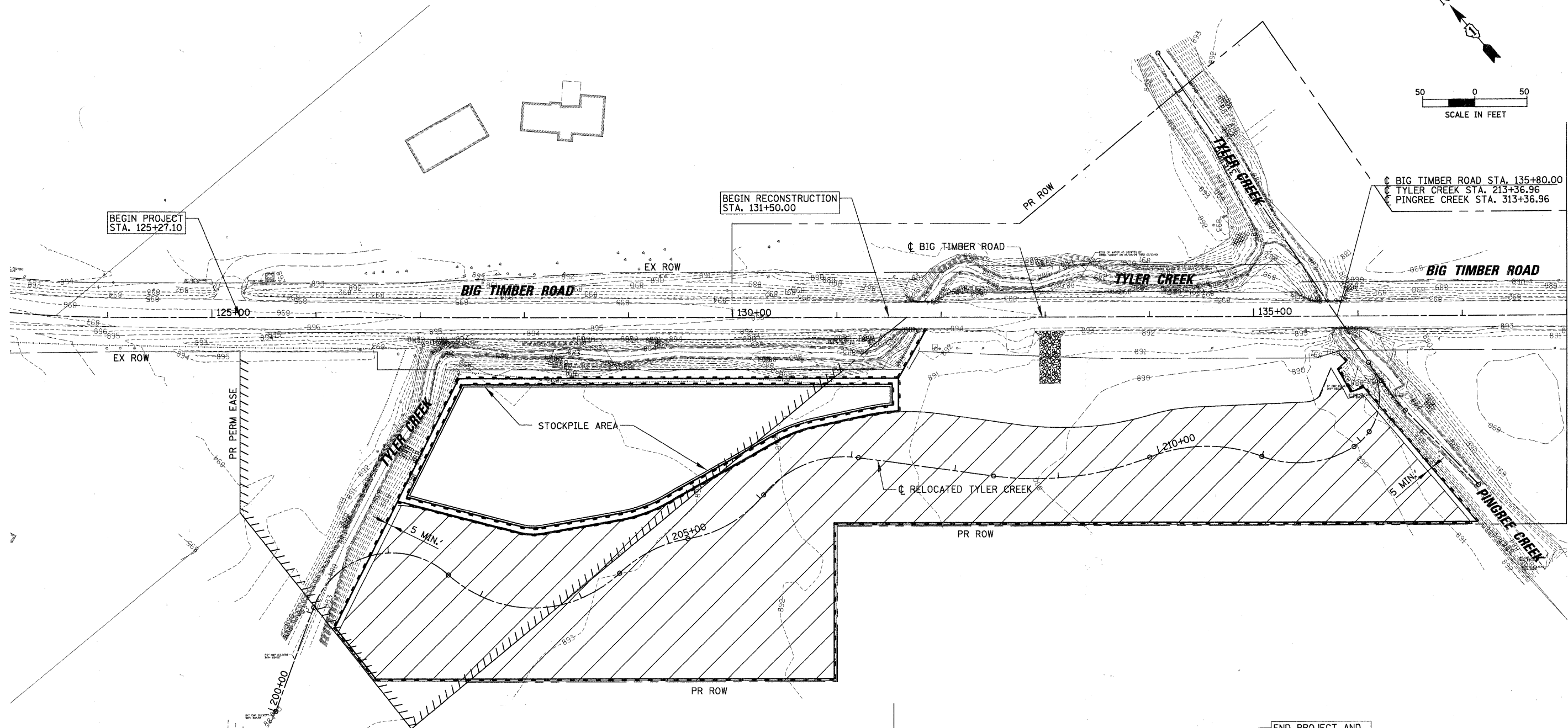
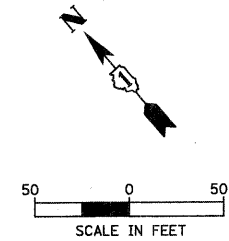
MAINTENANCE OF TRAFFIC:

- CONTINUE USE OF DETOUR ROUTE AND CLOSURE OF BIG TIMBER ROAD.

SOIL EROSION AND SEDIMENT CONTROL:

- INSTALL ADDITIONAL PERIMETER EROSION BARRIER AND STABILIZED CONSTRUCTION ENTRANCES.
- REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES.

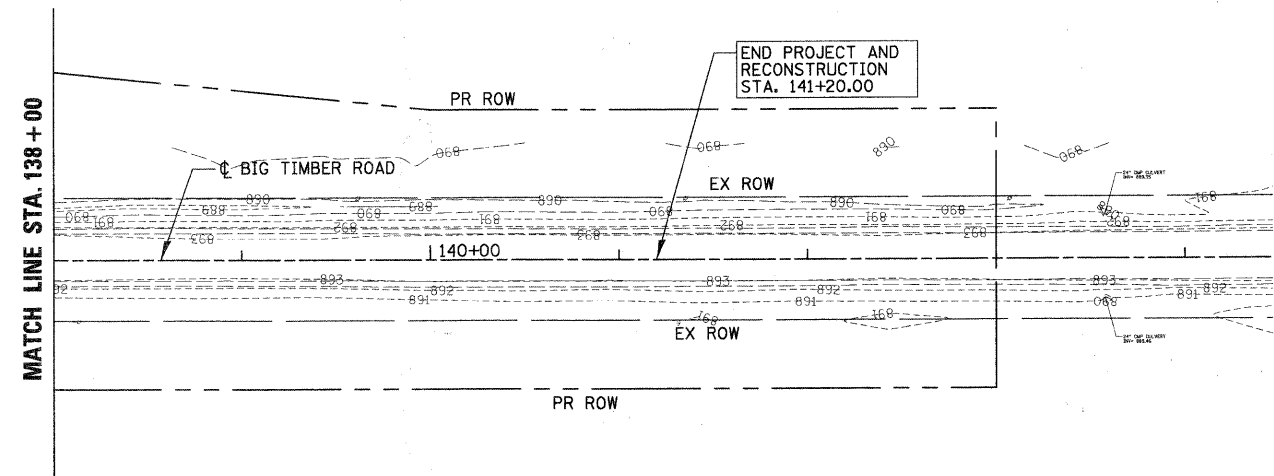
FILE NAME = N:\kanecounty\04198\NC\11_2\ST04198_2-0	USER NAME = BLUKE	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD CONSTRUCTION STAGING	F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 10
PLOT SCALE = 1"	CHECKED - JGS	REVISED -	SCALE: N.T.S.			SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043			
PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -	CONTRACT NO. 63196							



MATCH LINE STA. 138 + 00

NOTE: SEE ALIGNMENT, TIES AND BENCHMARKS FOR RIGHT-OF-WAY AND EASEMENT STATION AND OFFSET. PLACE PERIMETER EROSION BARRIER 1' INSIDE RIGHT OF WAY OR PERMANENT EASEMENT WHERE PERIMETER EROSION BARRIER IS SHOWN PARALLEL TO PROPOSED RIGHT OF WAY OR TO PROPOSED PERMANENT EASEMENT.

- EROSION CONTROL LEGEND**
- STABILIZED CONSTRUCTION ENTRANCE
 - PERIMETER EROSION BARRIER
 - WORK ZONE
 - LIMITS OF GRADING
 - TEMPORARY DITCH CHECK



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

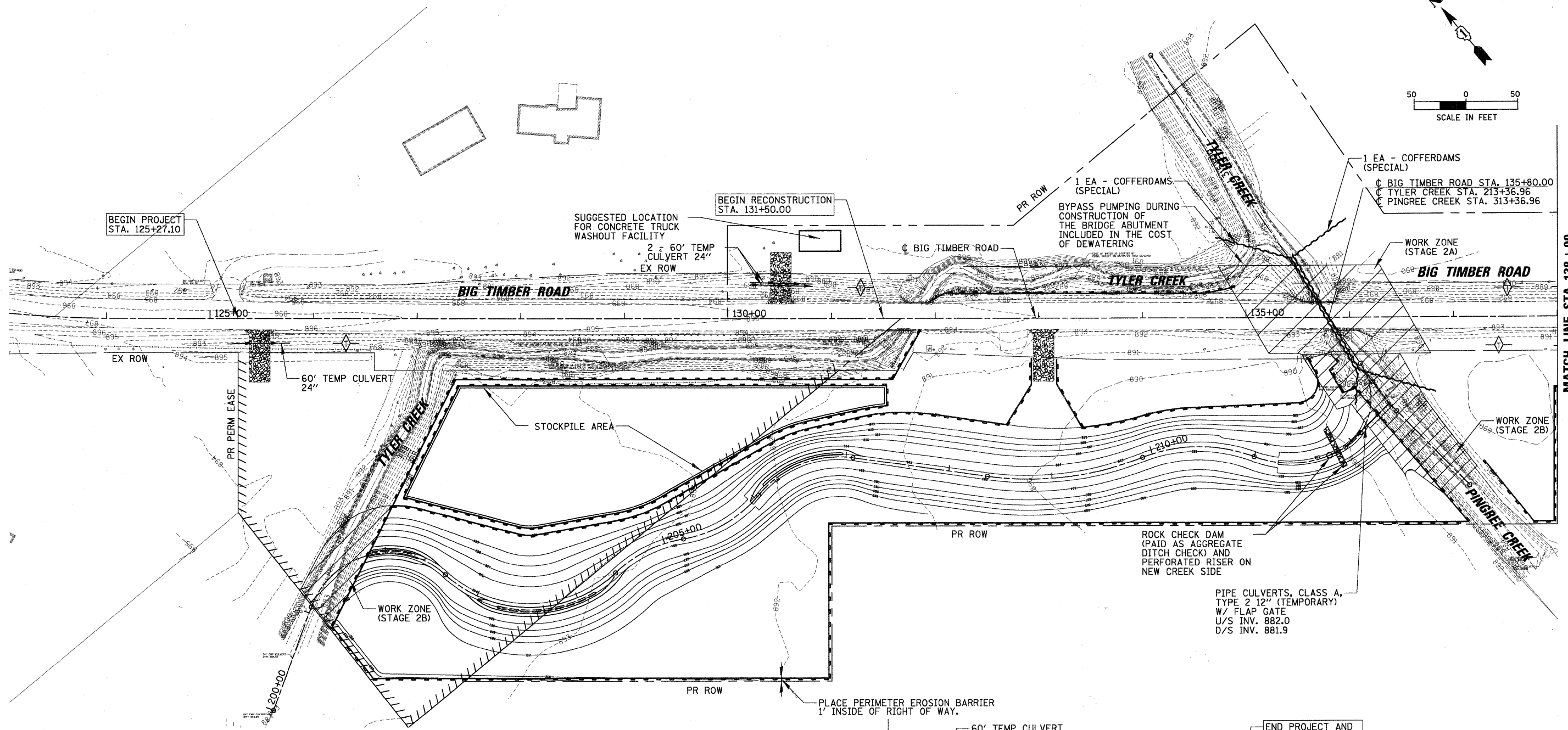
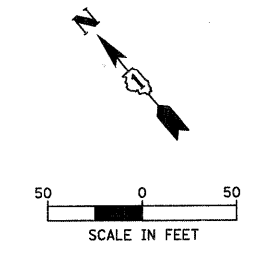
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\04198\Cv1.2\ECF04198.2-0	SHT	DRAWN - PMM	REVISED -
	PLOT SCALE = 50'	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAS 0130 - BIG TIMBER ROAD
EROSION AND SEDIMENT CONTROL PLANS - STAGE 1**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 124+50 TO STA. 144+50

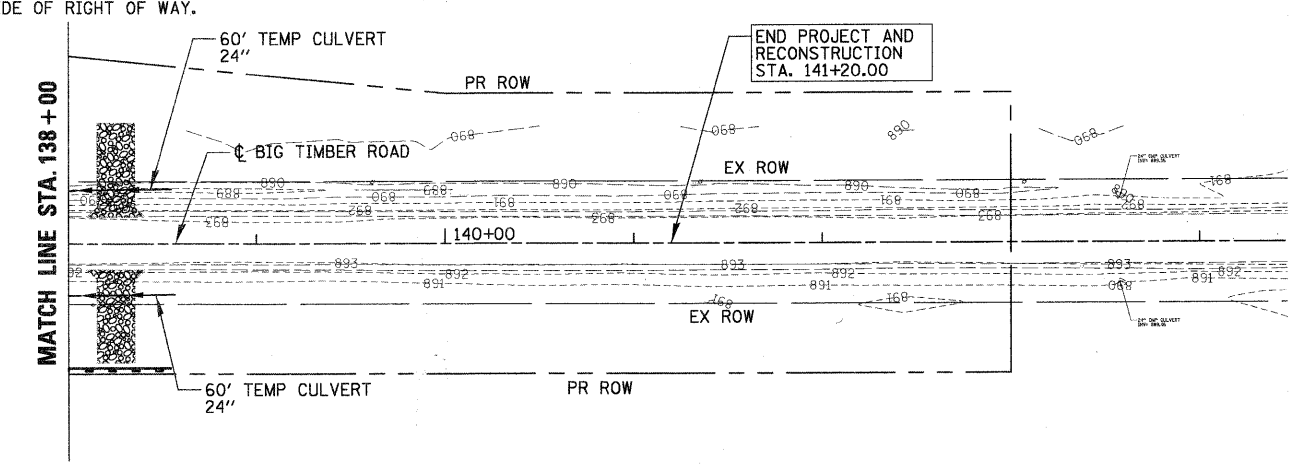
F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 11
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431				



MATCH LINE STA. 138 + 00

NOTE: SEE ALIGNMENT, TIES AND BENCHMARKS FOR RIGHT-OF-WAY AND EASEMENT STATION AND OFFSET. PLACE PERIMETER EROSION BARRIER 1' INSIDE RIGHT OF WAY OR PERMANENT EASEMENT WHERE PERIMETER EROSION BARRIER IS SHOWN PARALLEL TO PROPOSED RIGHT OF WAY OR TO PROPOSED PERMANENT EASEMENT.

- EROSION CONTROL LEGEND**
- STABILIZED CONSTRUCTION ENTRANCE
 - PERIMETER EROSION BARRIER
 - WORK ZONE (STAGE 2A)
 - WORK ZONE (STAGE 2B)
 - LIMITS OF GRADING
 - TEMPORARY DITCH CHECK



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 5575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



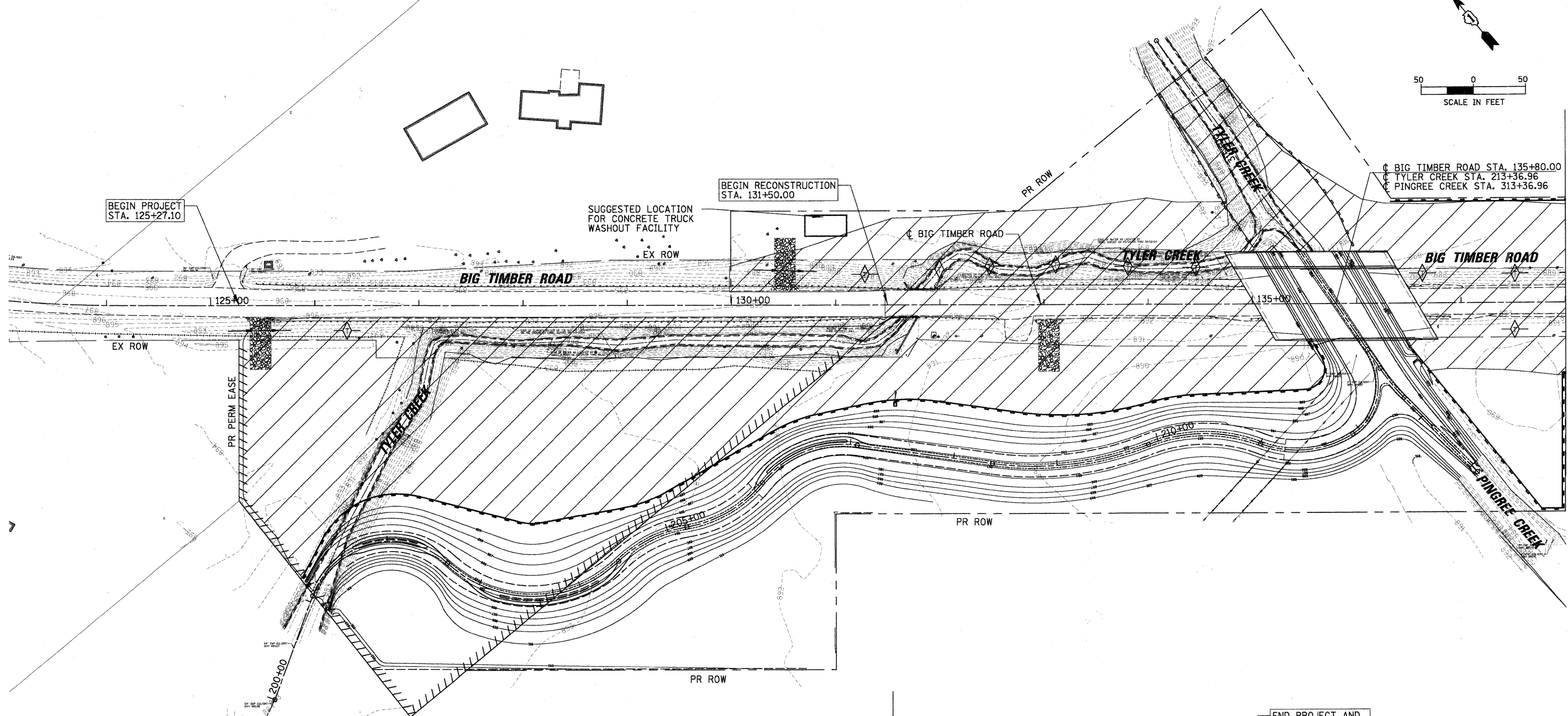
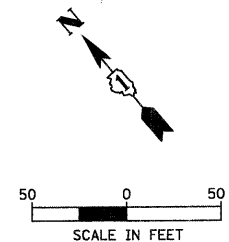
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\04198\Civil\2\EC\04198-2-02.SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 50'		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAS 0130 - BIG TIMBER ROAD
EROSION AND SEDIMENT CONTROL PLANS - STAGE 2**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 124+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	12
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431				

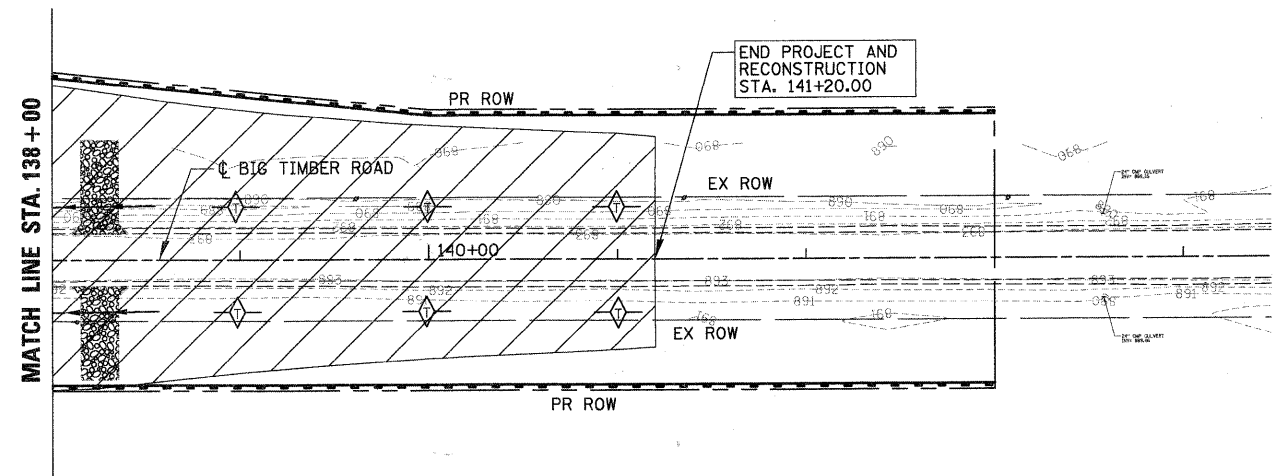


MATCH LINE STA. 138 + 00

NOTE: SEE ALIGNMENT, TIES AND BENCHMARKS FOR RIGHT-OF-WAY AND EASEMENT STATION AND OFFSET. PLACE PERIMETER EROSION BARRIER 1' INSIDE RIGHT OF WAY OR PERMANENT EASEMENT WHERE PERIMETER EROSION BARRIER IS SHOWN PARALLEL TO PROPOSED RIGHT OF WAY OR TO PROPOSED PERMANENT EASEMENT.

EROSION CONTROL LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- PERIMETER EROSION BARRIER
- WORK ZONE
- LIMITS OF GRADING
- TEMPORARY DITCH CHECK



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\EC\04198.2-0	ASHT	DRAWN - PMM	REVISED -
	PLOT SCALE = 50'	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

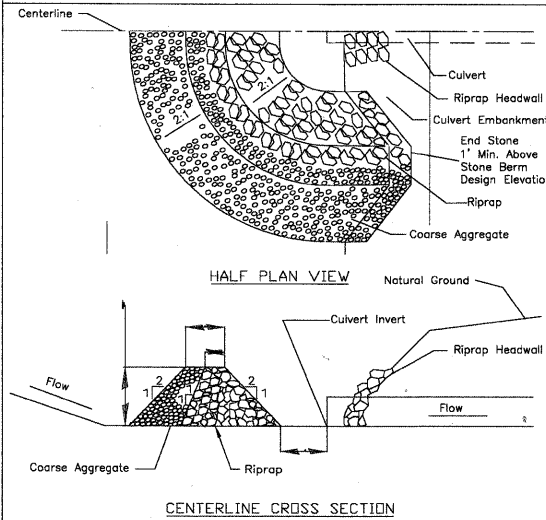
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAS 0130 - BIG TIMBER ROAD
EROSION AND SEDIMENT CONTROL PLANS - STAGE 3**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 124+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	13
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				

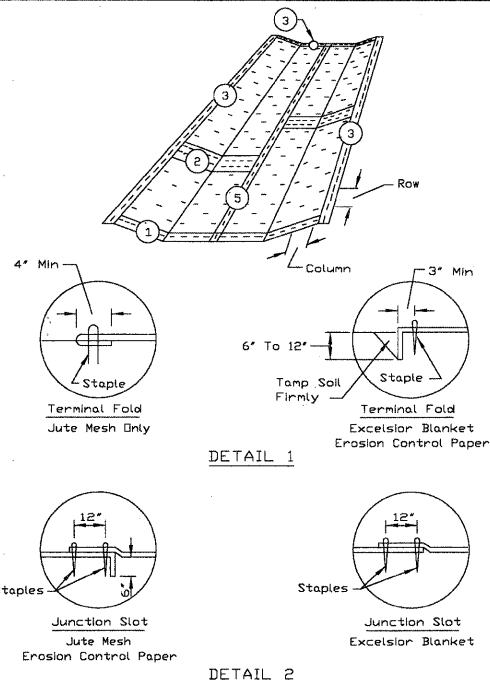
CULVERT INLET PROTECTION - STONE



- Notes:**
- Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
 - Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4.
 - Riprap shall meet IDOT gradation RR-3 or RR-4. Any permanent riprap, such as for the culvert headwall, shall meet IDOT Quality Designation A.
 - Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - The maximum drainage area to the culvert being protected is 3 acres.
 - See plans for H dimension.
 - Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

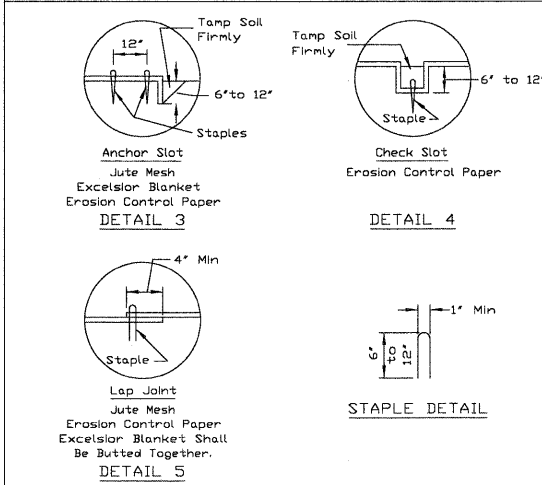
REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-508ST
Checked	jgs	Date 12/15/08	SHEET 1 OF 1
Approved	jgs	Date 12/15/08	DATE 1-29-09

EROSION BLANKET PLAN



REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-530
Checked	jgs	Date 12/15/08	SHEET 1 OF 2
Approved	jgs	Date 12/15/08	DATE 5-24-94

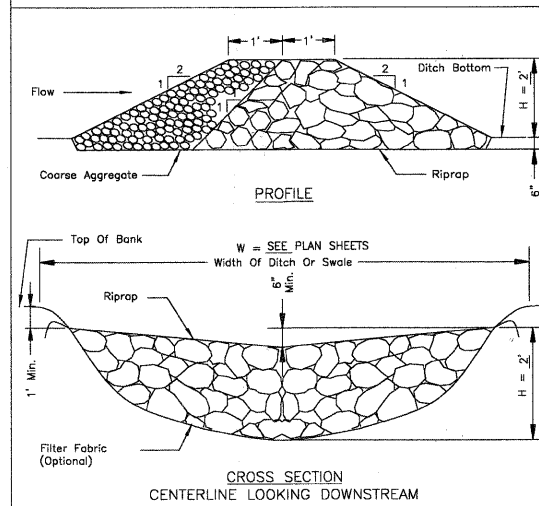
EROSION BLANKET PLAN



- 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	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-530
Checked	jgs	Date 12/15/08	SHEET 2 OF 2
Approved	jgs	Date 12/15/08	DATE 3-1-99

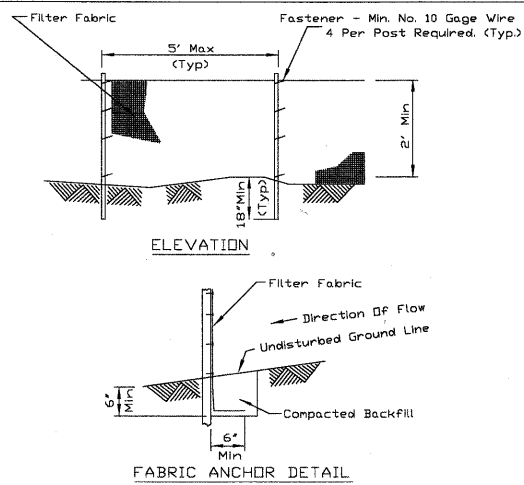
ROCK CHECK DAM - RIPRAP



- Notes:**
- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
 - Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
 - Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
 - Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - For added stability, the base of the dam may be keyed 6 inches into the soil.
 - See plans for spacing of dams and H dimensions.
 - Maximum drainage area to each dam is 10 acres.
 - ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-605R
Checked	jgs	Date 12/15/08	SHEET 1 OF 1
Approved	jgs	Date 12/15/08	DATE 1-29-09

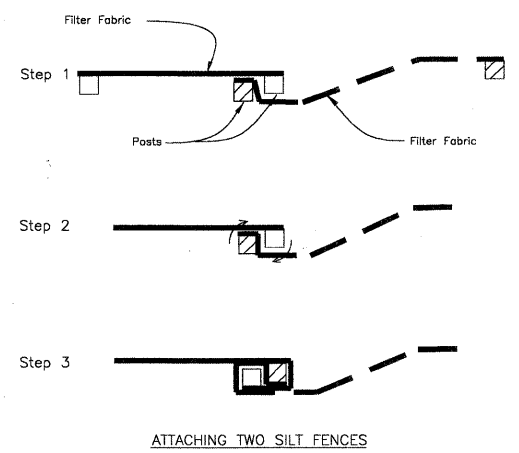
SILT FENCE PLAN



- Notes:**
- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 - Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 - Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-620
Checked	jgs	Date 12/15/08	SHEET 1 OF 2
Approved	jgs	Date 12/15/08	DATE 11-20-01

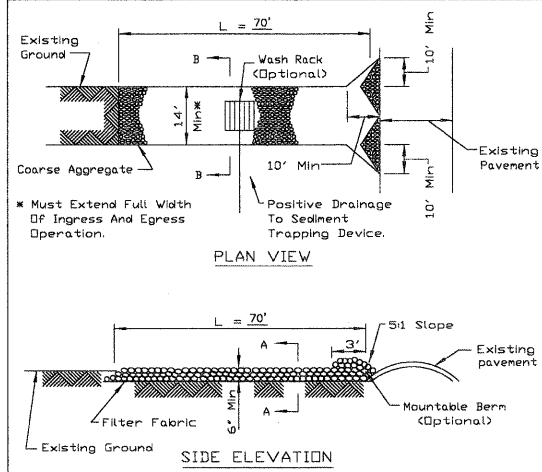
SILT FENCE



- Notes:**
- Place the end post of the second fence inside the end post of the first fence.
 - Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 - Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-620(W)
Checked	jgs	Date 12/15/08	SHEET 2 OF 2
Approved	jgs	Date 12/15/08	DATE 1-29-09

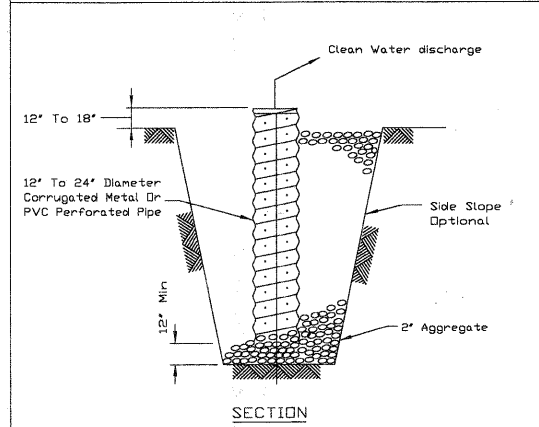
STABILIZED CONSTRUCTION ENTRANCE PLAN



- Notes:**
- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 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 manufacturers specifications.
 - If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-630
Checked	jgs	Date 12/15/08	SHEET 1 OF 2
Approved	jgs	Date 12/15/08	DATE 8-18-94

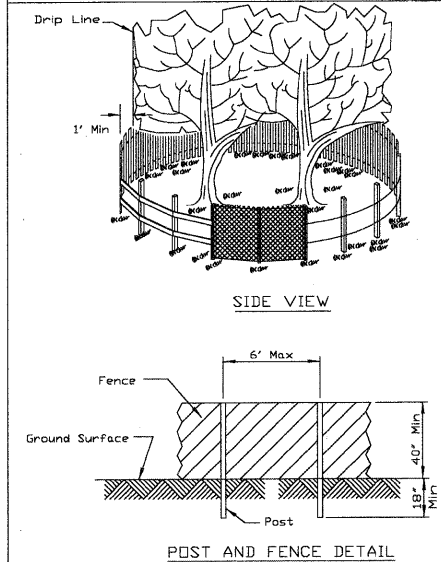
SUMP PIT PLAN



- Notes:**
- Pit dimensions are optional.
 - The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
 - A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
 - The standpipe will extend 12" to 18" above the lip of the pit.
 - If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
 - If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-650
Checked	jgs	Date 12/15/08	SHEET 1 OF 1
Approved	jgs	Date 12/15/08	DATE 8-11-94

TREE PROTECTION - FENCING



- Notes:**
- The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
 - Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
 - The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE	Project	big timber road	STANDARD DWG. NO.
Designed	rch	Date 12/15/08	IL-690
Checked	jgs	Date 12/15/08	SHEET 1 OF 1
Approved	jgs	Date 12/15/08	DATE 4-7-94

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 923-0500



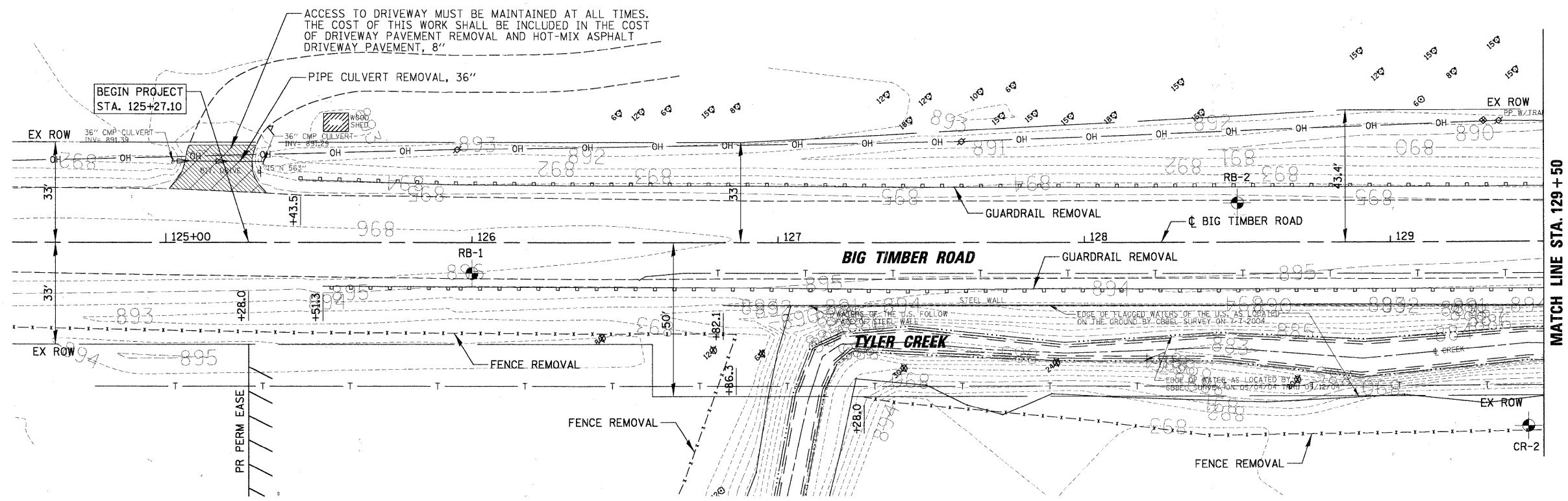
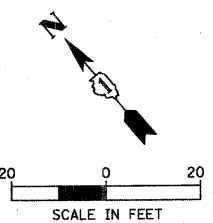
FILE NAME =	USER NAME =	DESIGNED -	REVISED -
N:\kanecounty\04198\Civil\2\ECPD04198_2.SHT	BLUKE	BLL	
		DRAWN -	REVISED -
		PMM	
		CHECKED -	REVISED -
		JGS	
		DATE -	REVISED -
		02/07/2011	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
EROSION AND SEDIMENT CONTROL DETAILS

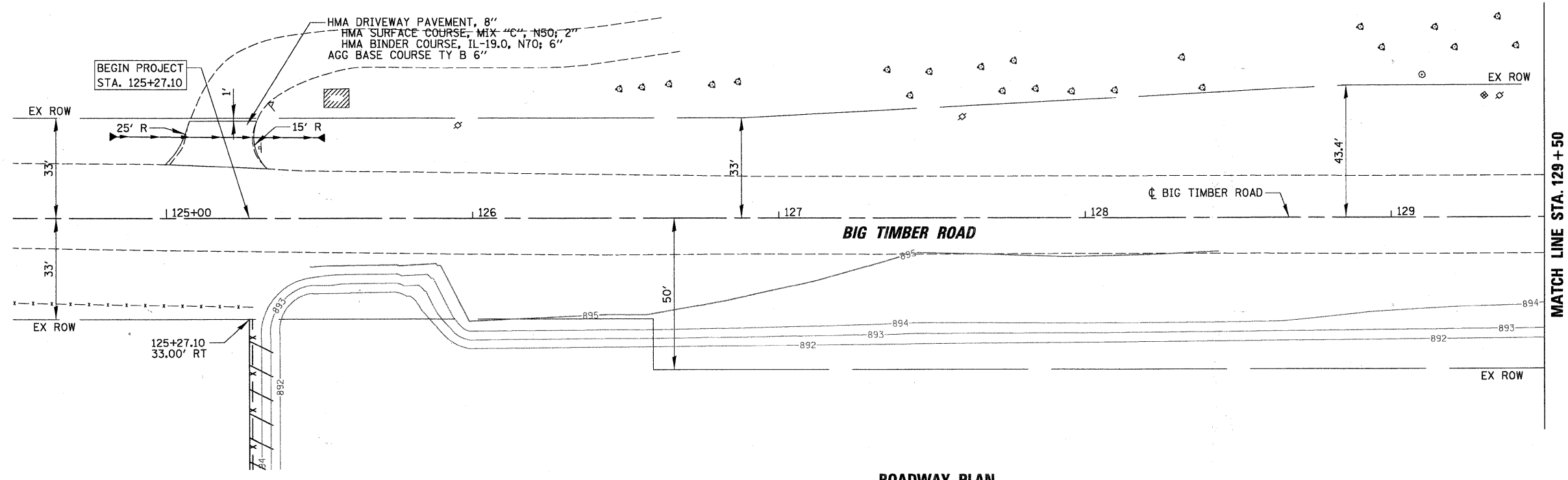
SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.
---------------	-----------	----	--------	------	---------

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	14
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80031043				



REMOVAL PLAN

- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - STRUCTURE REMOVAL
 - REMOVE
 - TREE REMOVAL, OF DIA SHOWN
 - SOIL BORING LOCATION



ROADWAY PLAN

- LEGEND**
- EXISTING ROW
 - PROPOSED ROW
 - GRADING LIMIT
 - PERMANENT EASEMENT
 - PROPOSED CONTOURS

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

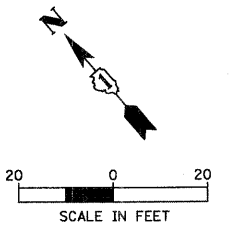


FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\PLN04198.2-SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 20'		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

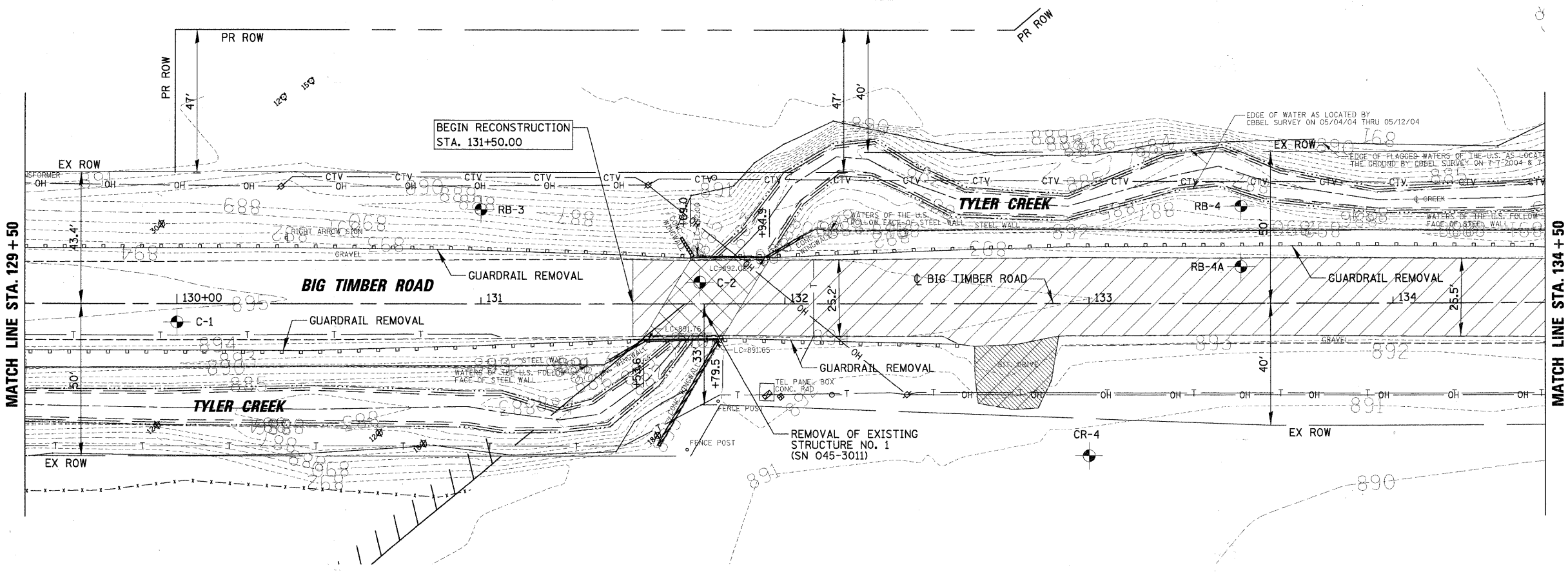
FAS 0130 - BIG TIMBER ROAD			
EXISTING AND PROPOSED CONDITIONS			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. 124+50 TO STA. 129+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	15
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

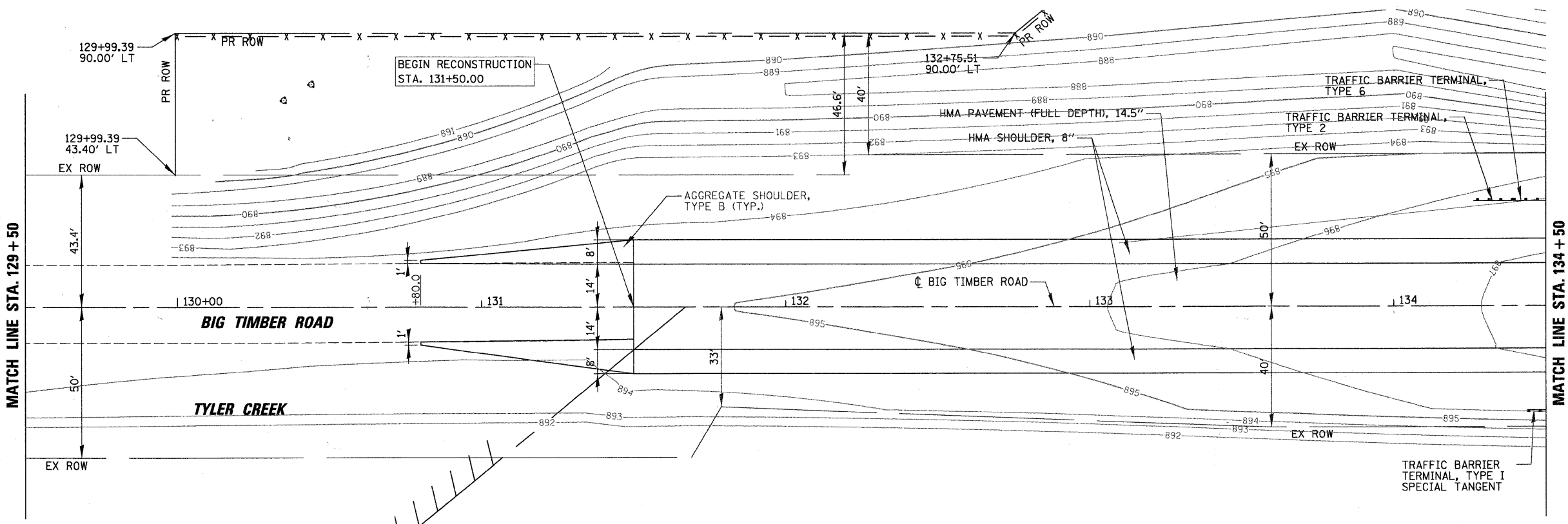


- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - STRUCTURE REMOVAL
 - REMOVE
 - TREE REMOVAL, OF DIA SHOWN
 - SOIL BORING LOCATION

- LEGEND**
- EXISTING ROW
 - PROPOSED ROW
 - GRADING LIMIT
 - PERMANENT EASEMENT
 - PROPOSED CONTOURS



REMOVAL PLAN



ROADWAY PLAN

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

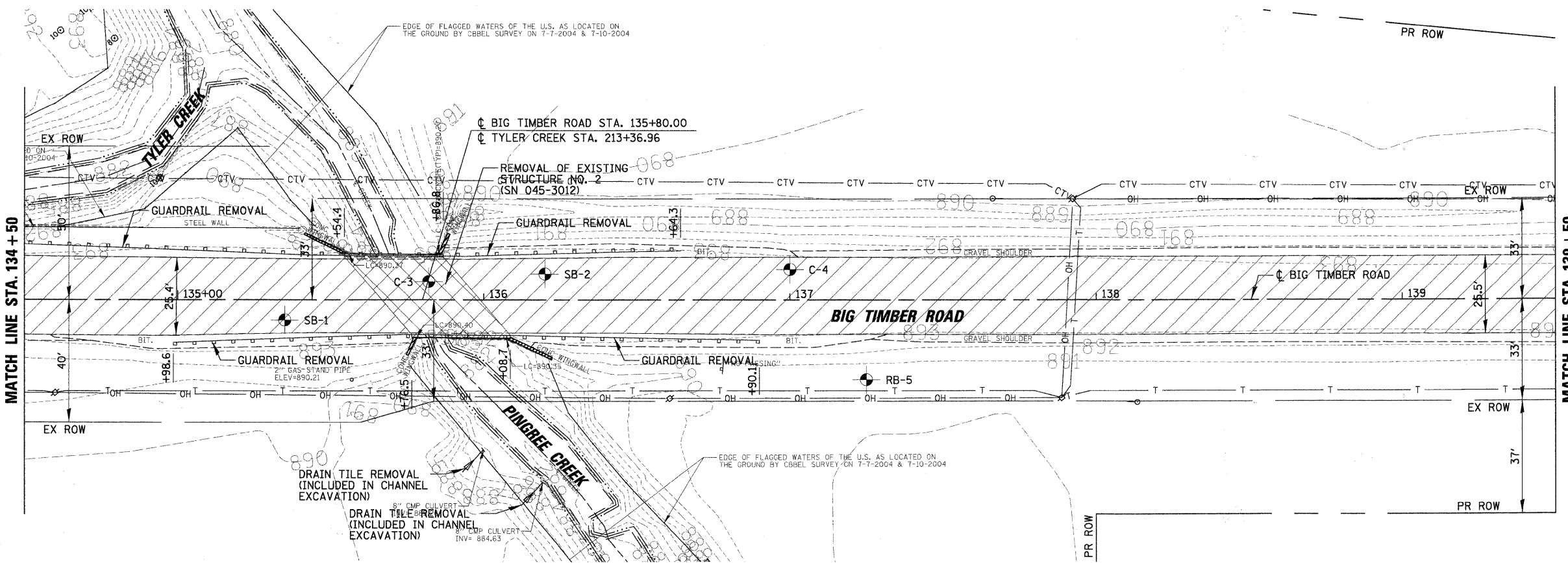
FILE NAME = N:\kanecounty\04198\Cvi\1.2\PLN\04198_2-02.SHT	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
PLLOT SCALE = 20'	CHECKED - JGS	DRAWN - PMM	REVISED -
PLLOT DATE = 2/7/2011	DATE - 02/07/2011		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

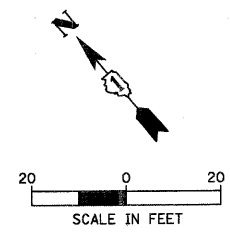
**FAS 0130 - BIG TIMBER ROAD
EXISTING AND PROPOSED CONDITIONS**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 129+50 TO STA. 134+50

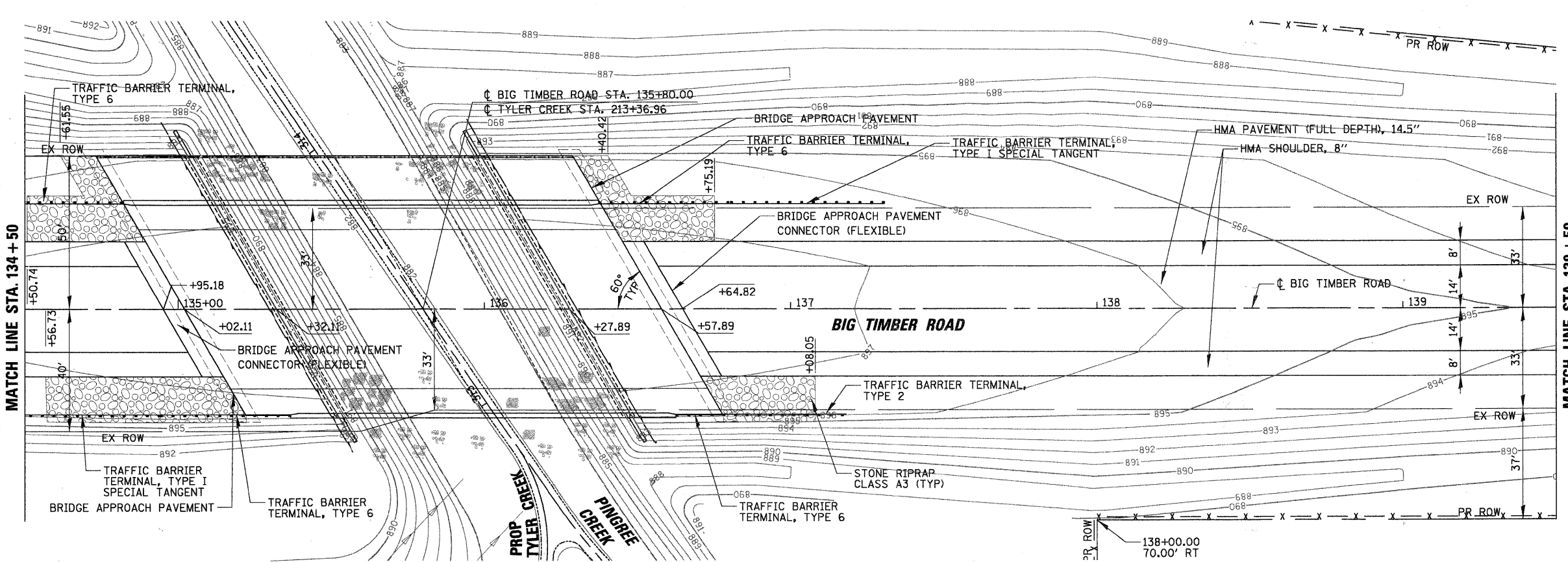
F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 16
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043			CONTRACT NO. 63196	



REMOVAL PLAN



- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - STRUCTURE REMOVAL
 - REMOVE
 - TREE REMOVAL, OF DIA SHOWN
 - SOIL BORING LOCATION



ROADWAY PLAN

- LEGEND**
- EXISTING ROW
 - PROPOSED ROW
 - GRADING LIMIT
 - PERMANENT EASEMENT
 - PROPOSED CONTOURS

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 800
 Rosemont, Illinois 60018
 (847) 823-9500



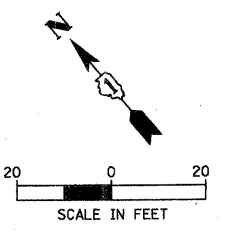
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\PLN\04198_2-08.SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 20'		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

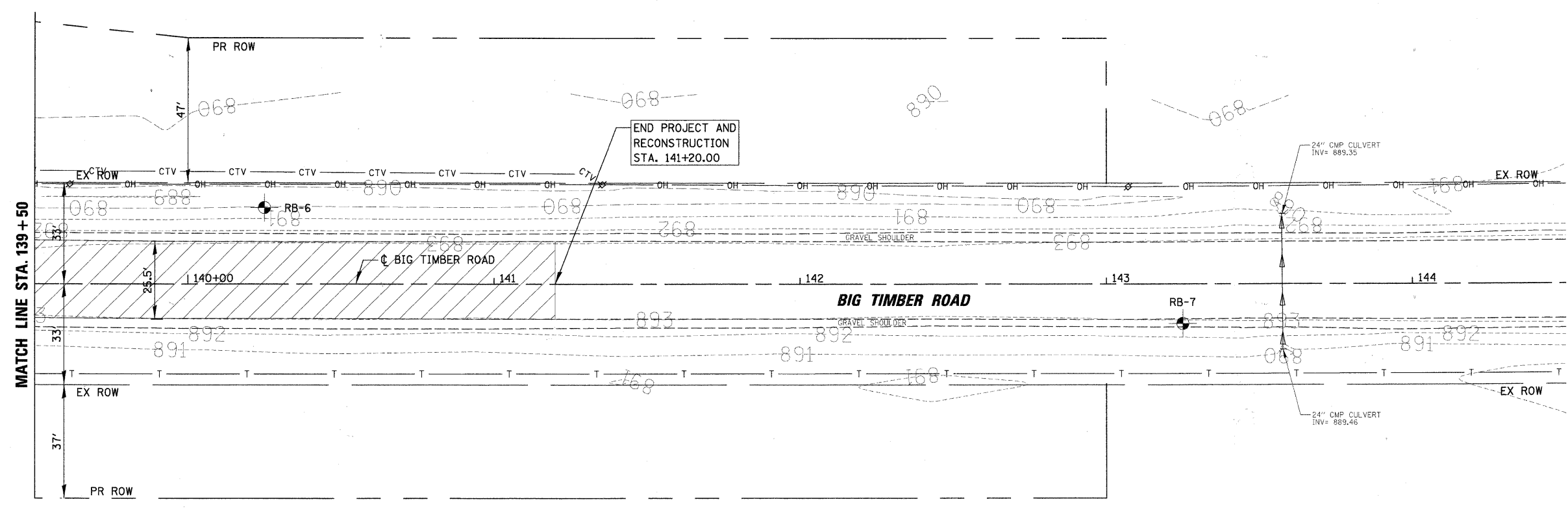
**FAS 0130 - BIG TIMBER ROAD
 EXISTING AND PROPOSED CONDITIONS**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 134+50 TO STA. 139+50

F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 17
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-8003043				

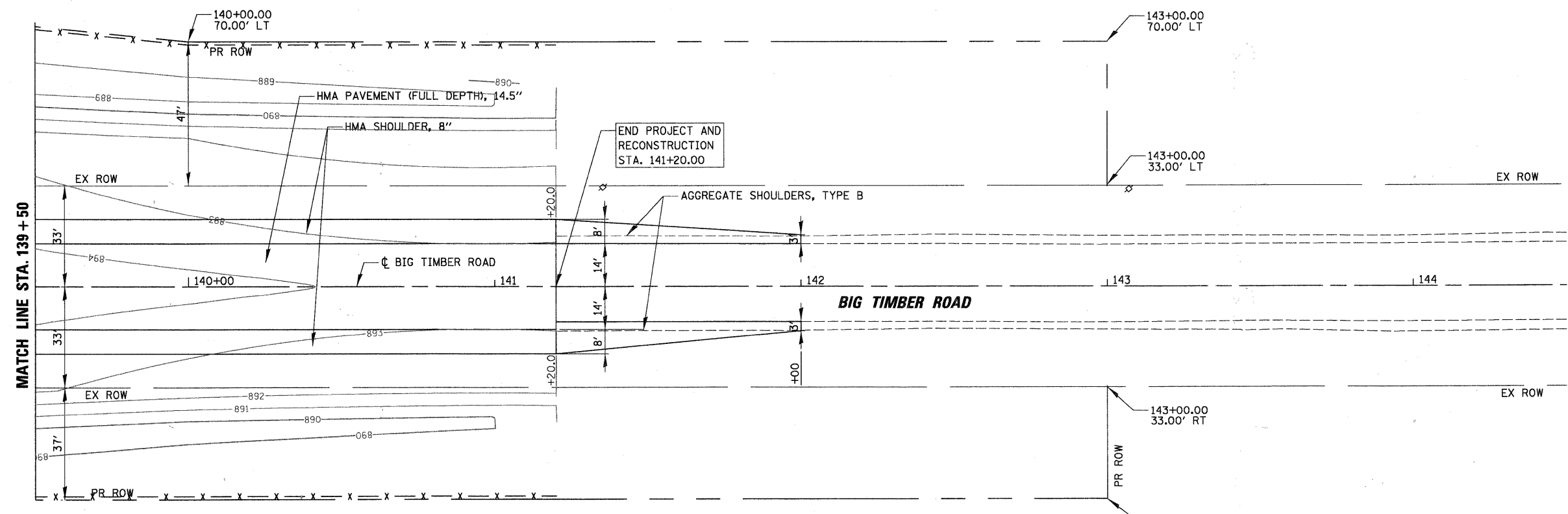


- LEGEND**
- PAVEMENT REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - STRUCTURE REMOVAL
 - REMOVE
 - TREE REMOVAL, OF DIA SHOWN
 - SOIL BORING LOCATION



REMOVAL PLAN

- LEGEND**
- EXISTING ROW
 - PROPOSED ROW
 - GRADING LIMIT
 - PERMANENT EASEMENT
 - PROPOSED CONTOURS



ROADWAY PLAN

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



FILE NAME = N:\kanecounty\04198\Cv\1.2\PLN04198.2-04.SHT	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
PLOT SCALE = 20'		DRAWN - PMM	REVISED -
PLOT DATE = 2/7/2011		CHECKED - JGS	REVISED -
		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

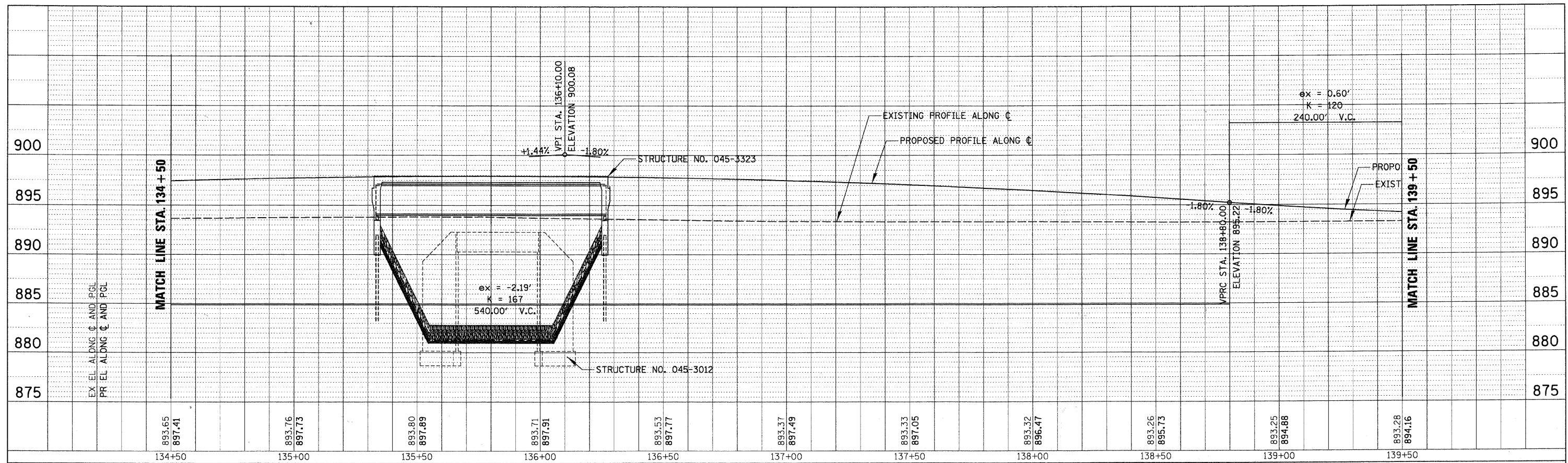
FAS 0130 - BIG TIMBER ROAD			
EXISTING AND PROPOSED CONDITIONS			
SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA. 139+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	18
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

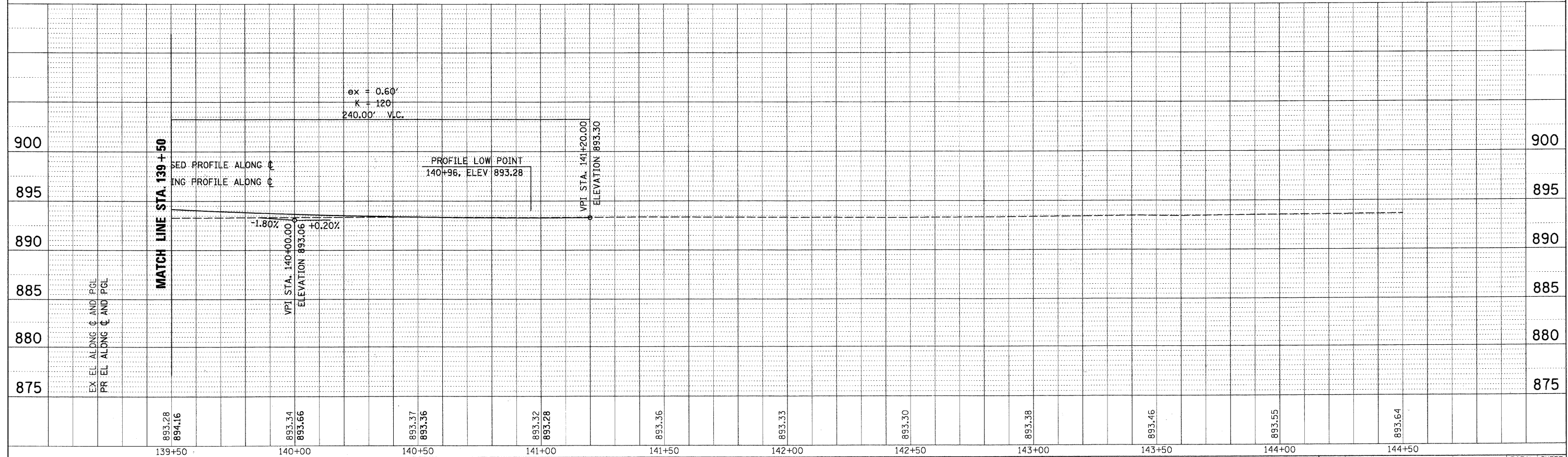
PLAN	SURVEYED	BY	DATE
	FLOTTED		
	NOTE BOOK		
	NO.		

PROFILE	SURVEYED	BY	DATE
	FLOTTED		
	NOTE BOOK		
	NO.		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 6575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



893.65	897.41	893.76	897.73	893.80	897.89	893.71	897.91	893.53	897.77	893.37	897.49	893.33	897.05	893.32	896.47	893.26	895.73	893.25	894.88	893.28	894.16
134+50		135+00		135+50		136+00		136+50		137+00		137+50		138+00		138+50		139+00		139+50	



893.28	894.16	893.34	893.66	893.37	893.36	893.32	893.28	893.36	893.33	893.30	893.38	893.46	893.55	893.64							
139+50		140+00		140+50		141+00		141+50		142+00		142+50		143+00		143+50		144+00		144+50	

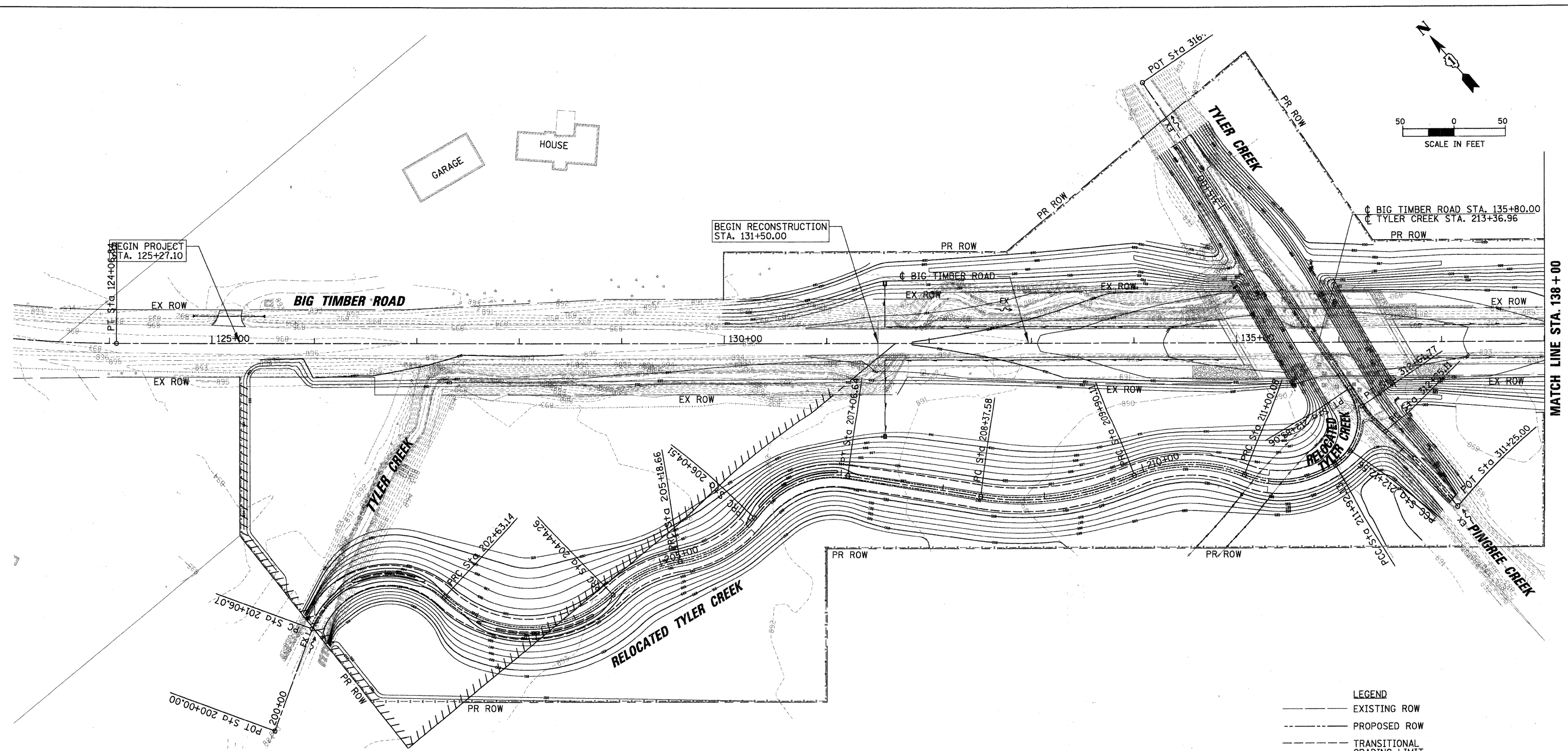
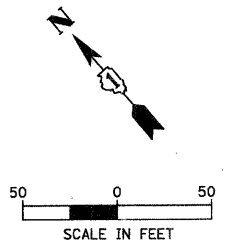
FILE NAME = N:\kanecounty\04198\VC.v1\2\PRF04198.2-02.dwt
 USER NAME = BLUKE
 PLOT SCALE = 20'
 PLOT DATE = 2/7/2011

DESIGNED - RCB	REVISED -
DRAWN - PMM	REVISED -
CHECKED - JGS	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
 PROFILE
 SCALE: 1"=20'
 SHEET NO. OF SHEETS STA. 134+50 TO STA. 144+50

F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				



- LEGEND**
- EXISTING ROW
 - - - PROPOSED ROW
 - - - TRANSITIONAL GRADING LIMIT
 - //// PERMANENT EASEMENT
 - PROPOSED CONTOURS
 - ~> DIRECTION OF CREEK FLOW

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



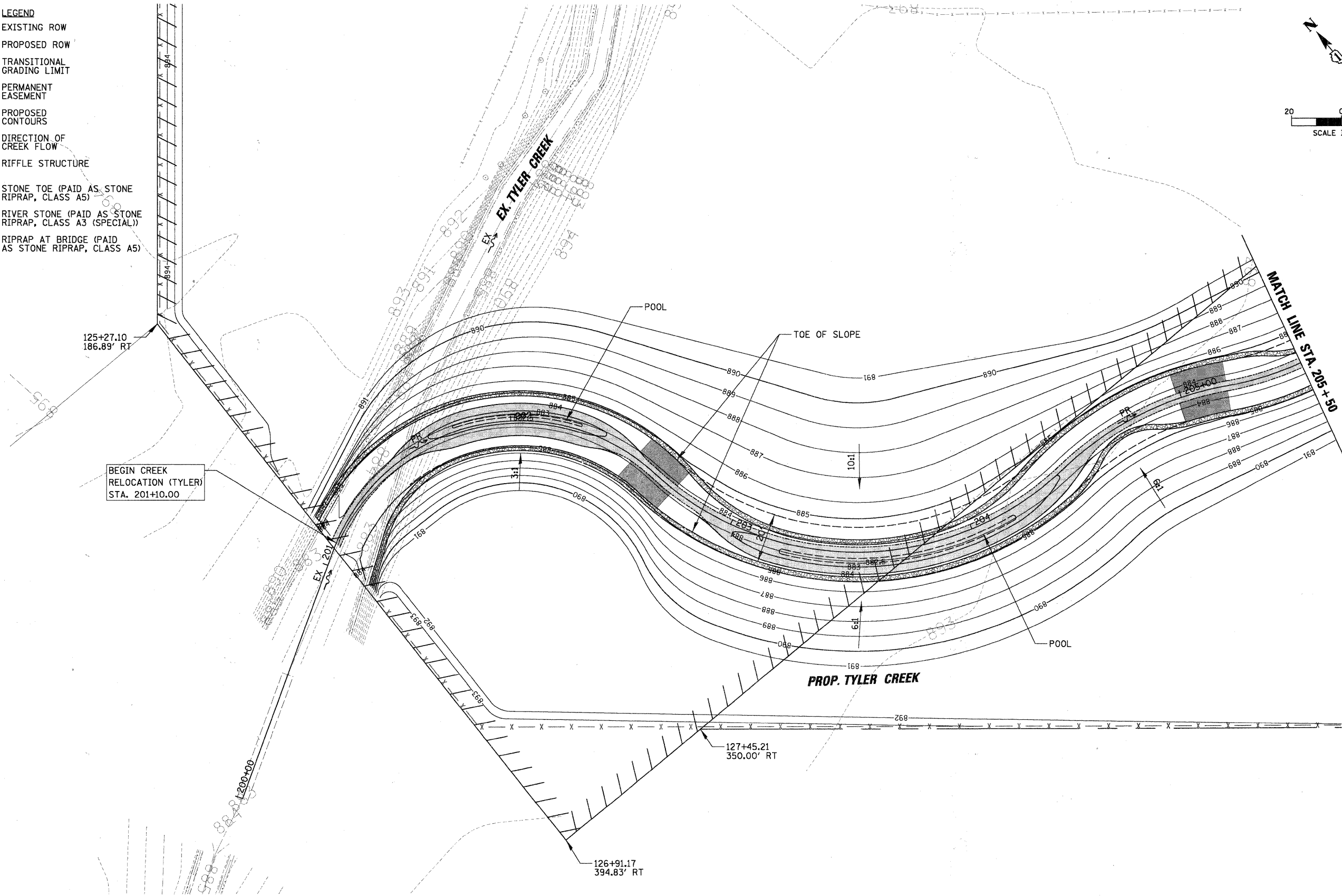
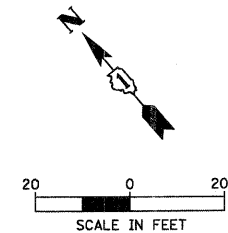
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\04198\Civil\2\GRD\04198_2-01.SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 50'		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD GRADING PLAN			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 124+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	21
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

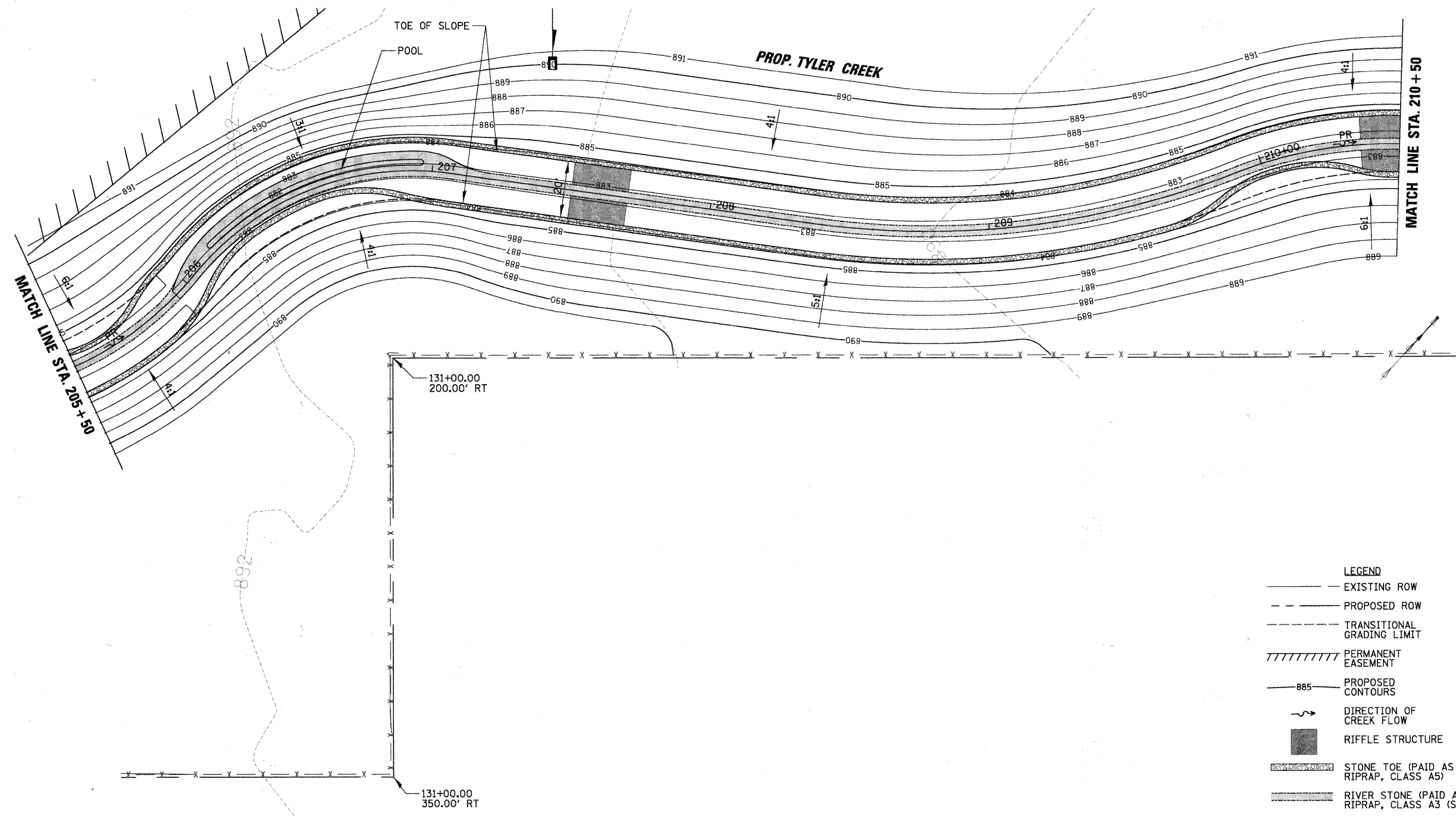
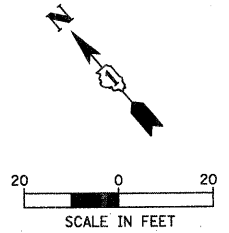
- LEGEND**
- EXISTING ROW
 - - - PROPOSED ROW
 - - - TRANSITIONAL GRADING LIMIT
 - //// PERMANENT EASEMENT
 - 885 PROPOSED CONTOURS
 - ~ DIRECTION OF CREEK FLOW
 - RIFFLE STRUCTURE
 - ▨ STONE TOE (PAID AS STONE RIPRAP, CLASS A5)
 - ▨ RIVER STONE (PAID AS STONE RIPRAP, CLASS A3 (SPECIAL))
 - ▨ RIPRAP AT BRIDGE (PAID AS STONE RIPRAP, CLASS A5)



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD TYLER CREEK RELOCATION GRADING PLAN	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\kane\county\04198\Civil\2\50P04198_2-01.SHT		DRAWN - PMM	REVISED -			0130	01-00266-00-BR	KANE	70	22	
PLOT SCALE = 20'		CHECKED - JCS	REVISED -			CONTRACT NO. 63196					
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431					
					SCALE: 1"=20'	SHEET NO. OF SHEETS		STA. 201+10 TO STA. 205+50			



- LEGEND**
- EXISTING ROW
 - - - PROPOSED ROW
 - - - TRANSITIONAL GRADING LIMIT
 - ////// PERMANENT EASEMENT
 - 885 — PROPOSED CONTOURS
 - ~> DIRECTION OF CREEK FLOW
 - RIFFLE STRUCTURE
 - ▨ STONE TOE (PAID AS STONE RIPRAP, CLASS A5)
 - ▨ RIVER STONE (PAID AS STONE RIPRAP, CLASS A3 (SPECIAL))
 - ▨ RIPRAP AT BRIDGE (PAID AS STONE RIPRAP, CLASS A5)

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



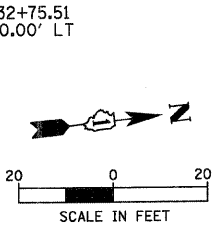
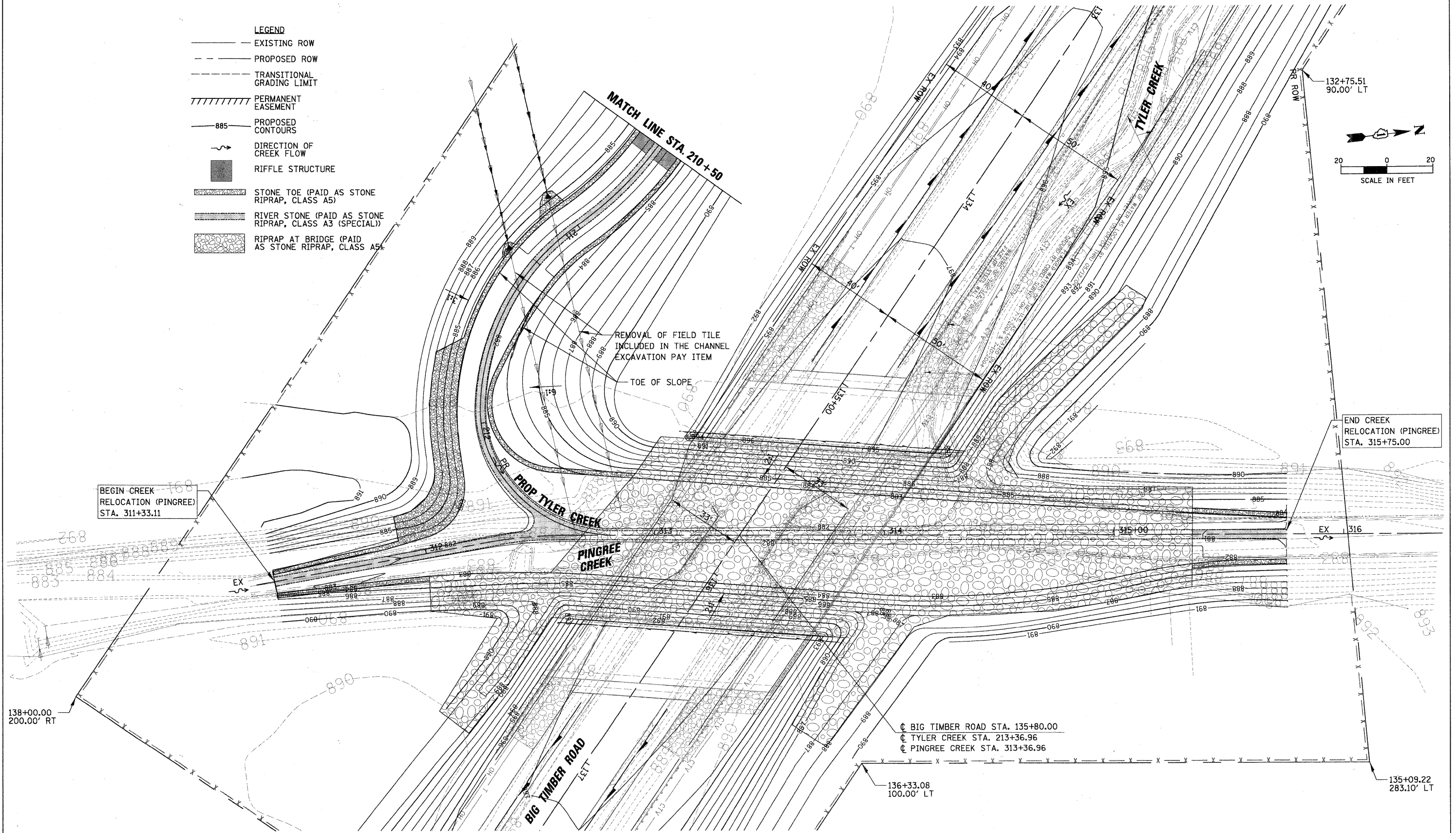
FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\SGP04198_2-02.SHT		DRAWN - PMM	REVISED -
	PLOT SCALE = 20'	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD TYLER CREEK RELOCATION GRADING PLAN			
SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 205+50 TO STA. 210+50	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043)			CONTRACT NO. 63196	

- LEGEND**
- EXISTING ROW
 - - - PROPOSED ROW
 - - - TRANSITIONAL GRADING LIMIT
 - //// PERMANENT EASEMENT
 - 885 PROPOSED CONTOURS
 - ~ DIRECTION OF CREEK FLOW
 - RIFFLE STRUCTURE
 - ▨ STONE TOE (PAID AS STONE RIPRAP, CLASS A5)
 - ▩ RIVER STONE (PAID AS STONE RIPRAP, CLASS A3 (SPECIAL))
 - ▧ RIPRAP AT BRIDGE (PAID AS STONE RIPRAP, CLASS A5)



BEGIN CREEK
RELOCATION (PINGREE)
STA. 311+33.11

END CREEK
RELOCATION (PINGREE)
STA. 315+75.00

CL BIG TIMBER ROAD STA. 135+80.00
CL TYLER CREEK STA. 213+36.96
CL PINGREE CREEK STA. 313+36.96

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(947) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
NUMBER OF SHEETS = 24	SHEET NO. = 24	DRAWN - PMM	REVISED -
PLOT SCALE = 20'	CHECKED - JGS	DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
TYLER CREEK RELOCATION GRADING PLAN

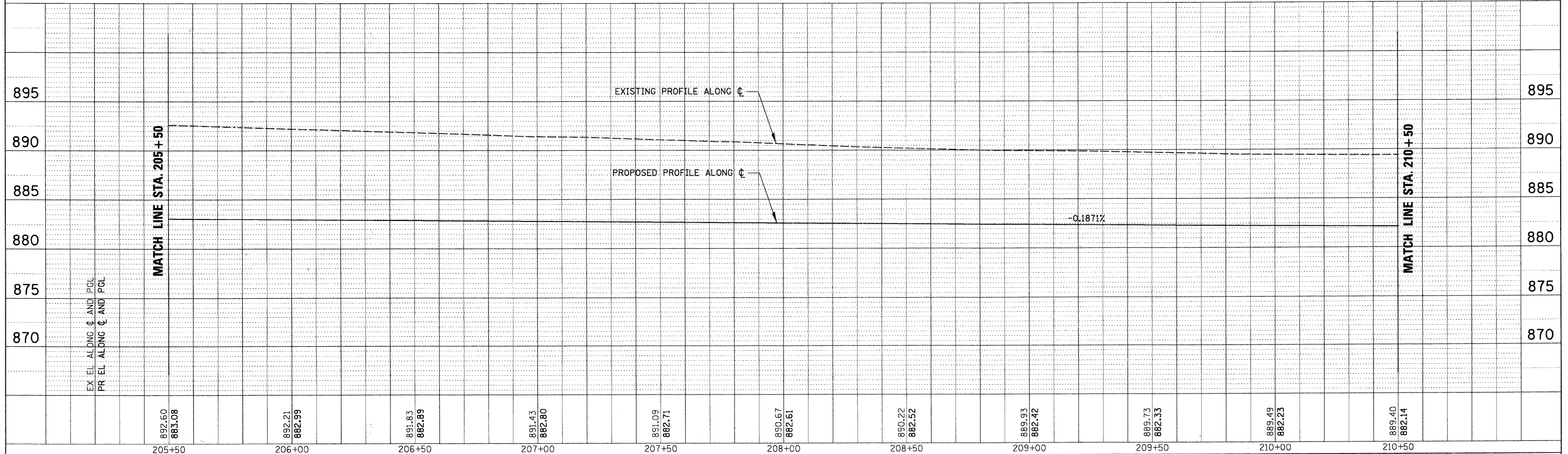
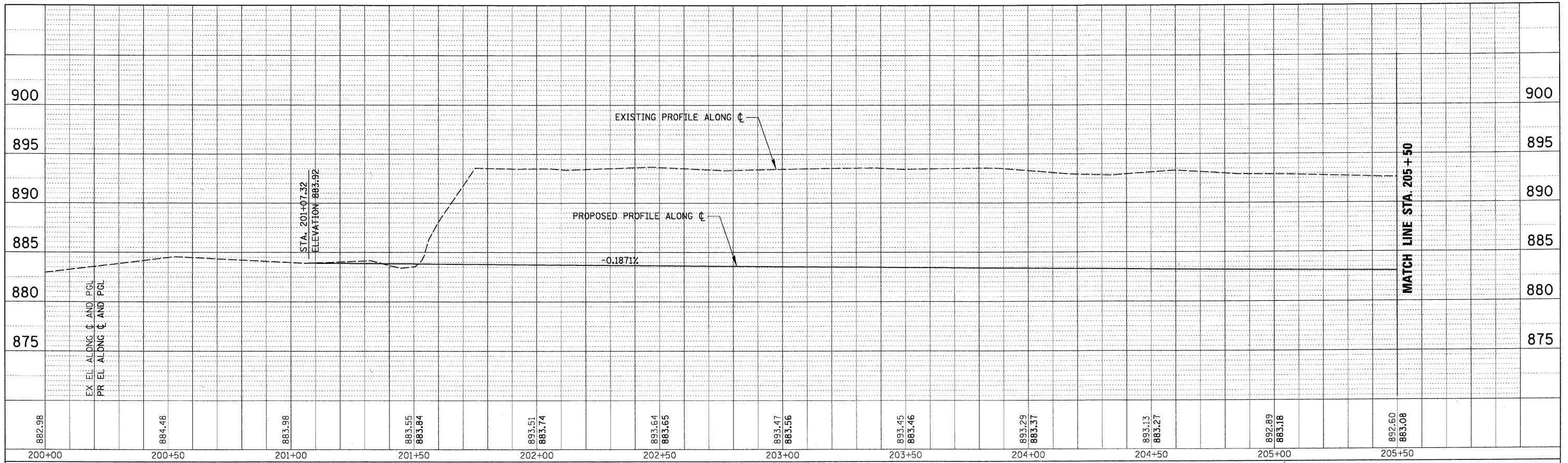
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 311+25 TO STA. 316+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431			CONTRACT NO. 63196	

PLAN	SURVEYED	BT	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHKO		
	NO.		

PROFILE	SURVEYED	BT	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHKO		
	NO.		

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



FILE NAME =	USER NAME = BLUKE
N:\kanecounty\04198\civ11.2\SPRF04198_2-01.SHT	
PLOT SCALE = 20'	
PLOT DATE = 2/7/2011	

DESIGNED - RCB	REVISED -
DRAWN - PMM	REVISED -
CHECKED - JGS	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

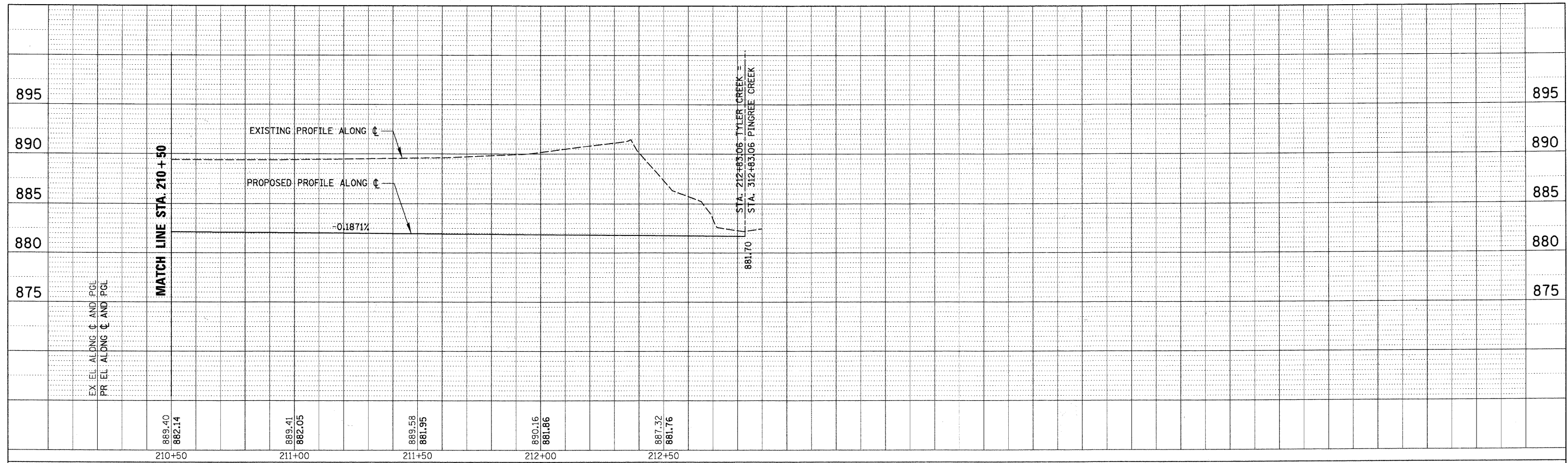
FAS 0130 - BIG TIMBER ROAD TYLER CREEK PROFILE			
SCALE: 1"=20'	SHEET NO. OF	SHEETS	STA. 201+10 TO STA. 210+50

F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 25
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				

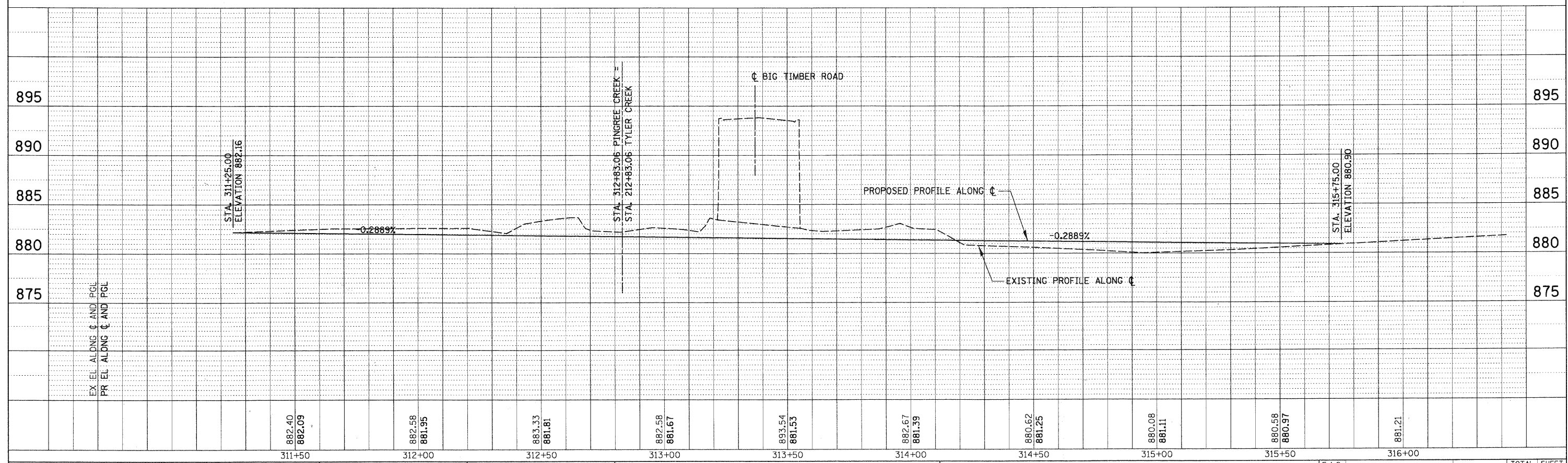
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	CADD FILE NAME		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0890



TYLER CREEK PROFILE
 PINGREE CREEK PROFILE

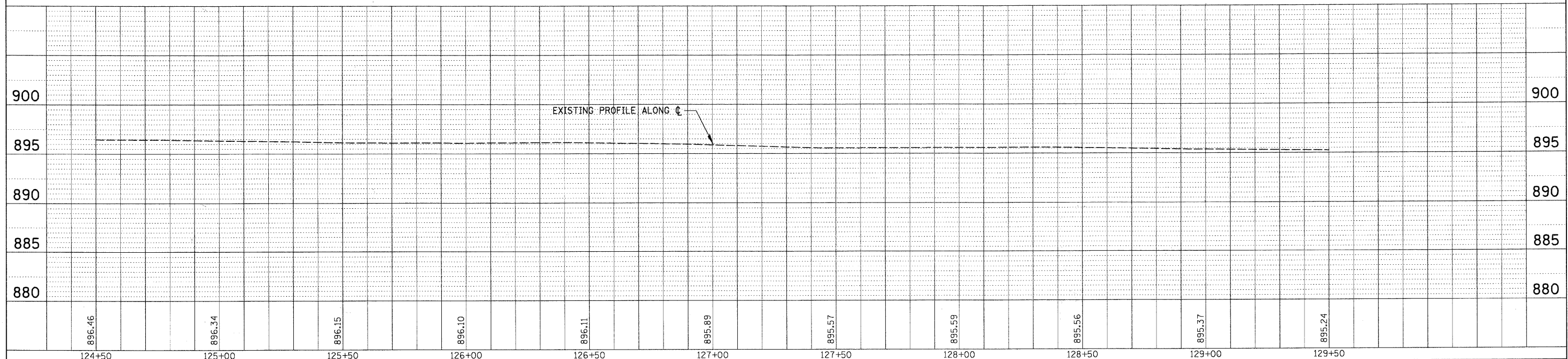
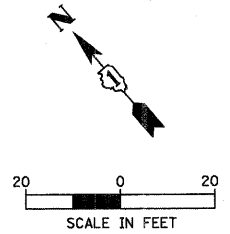
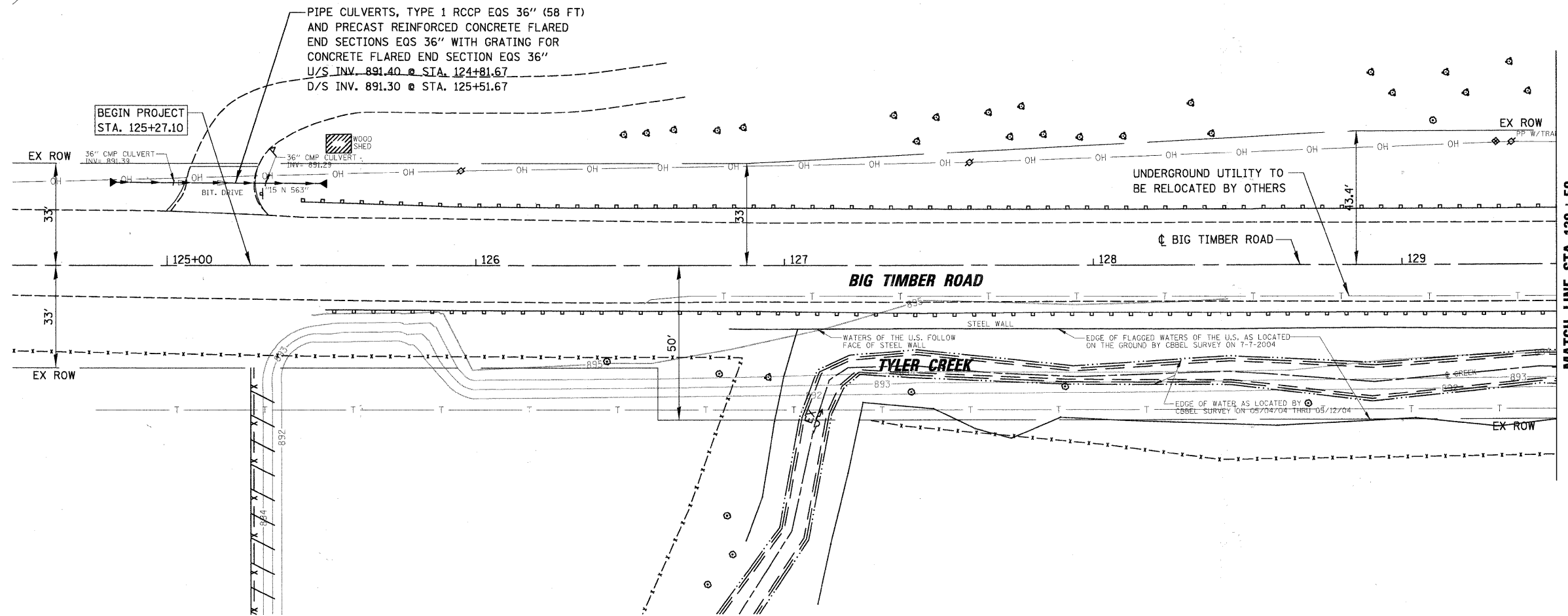


FILE NAME =	USER NAME = BBLIKE	DESIGNED - RCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD TYLER AND PINGREE CREEK PROFILE		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kane\county\04198\Civil\2\SPRF04198_2-02.SHT	PLOT SCALE = 20'	DRAWN - PMM	REVISED -		0130	01-00266-00-BR	KANE	70	26		
PLOT DATE = 2/7/2011	DATE -	CHECKED - JGS	REVISED -		CONTRACT NO.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80031043			
		DATE -	REVISED -		SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 210+50 TO STA. 316+00				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATION CHFD		

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

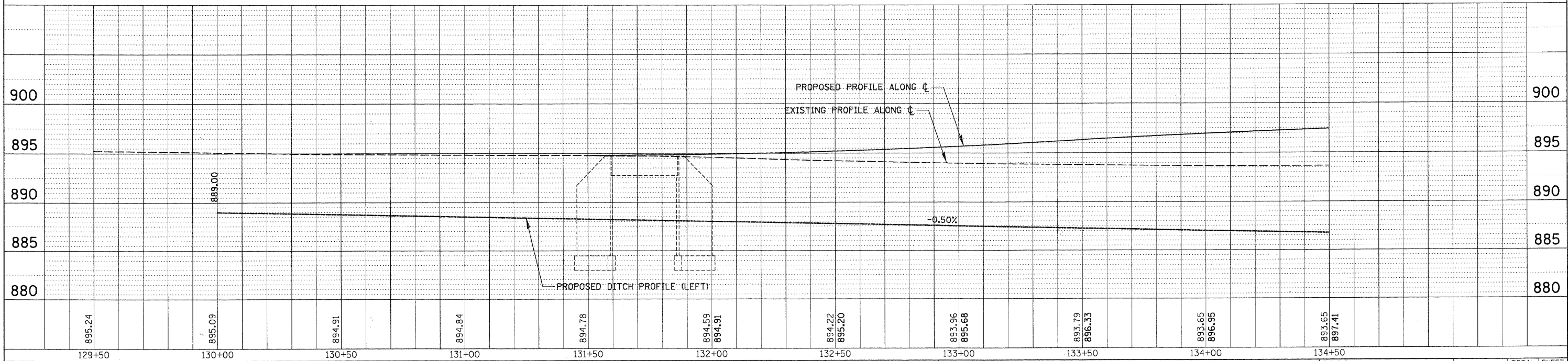
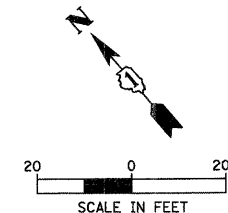
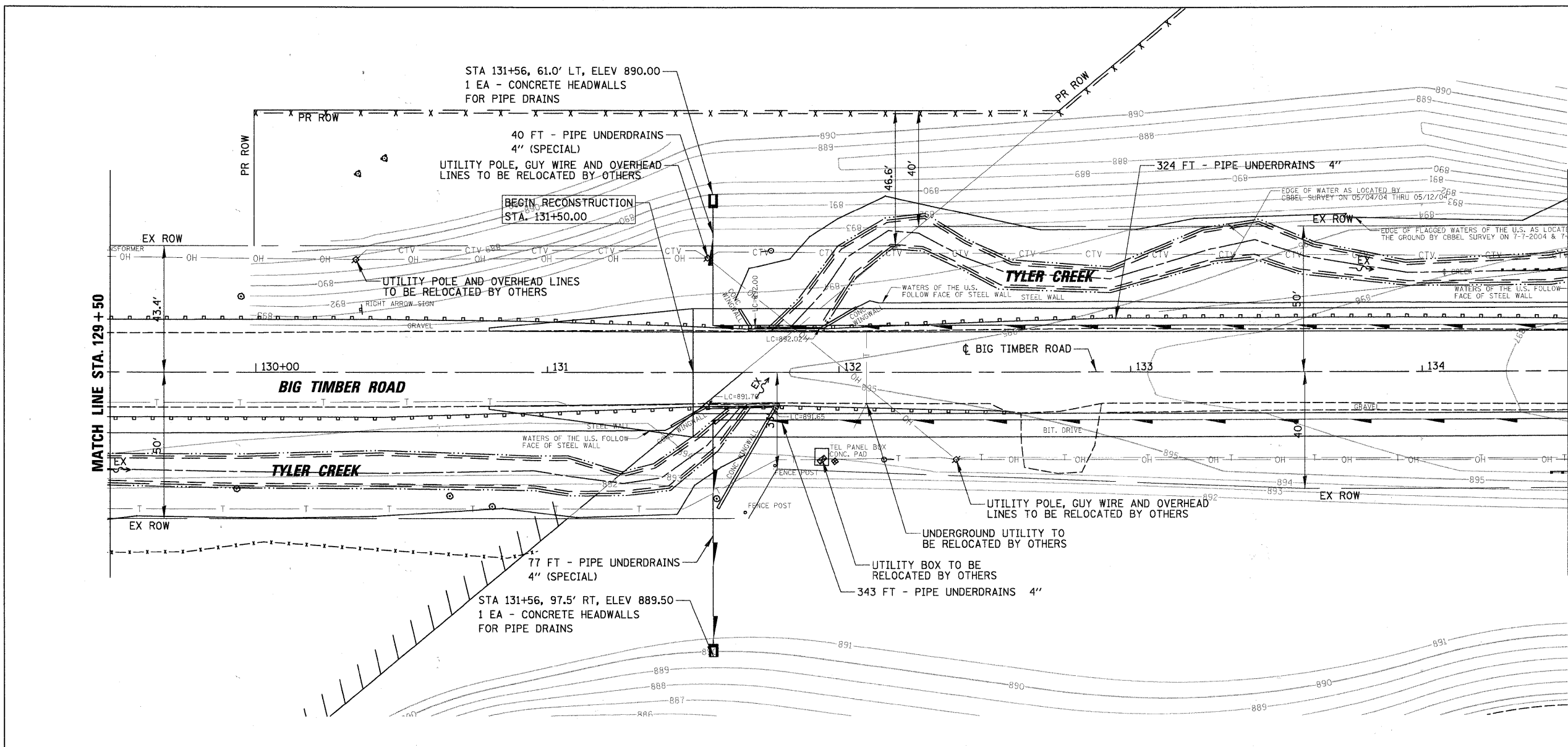


FILE NAME =	USER NAME = BLUKE	DESIGNED - RCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD DRAINAGE UTILITY PLAN AND PROFILE	F.A.S. R.F.E. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 27		
PLLOT SCALE = 20'	CHECKED - JGS	REVISED -	SCALE: 1"=20'			SHEET NO. OF SHEETS	STA. 124+50 TO STA. 129+50	CONTRACT NO.				
PLLOT DATE = 2/7/2011	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043									

PLAN	SURVEYED	BY	DATE
	NOTED		
	PLOTTED		
	CHECKED		
	APPROVED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	PLOTTED		
	CHECKED		
	APPROVED		
	NO.		

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

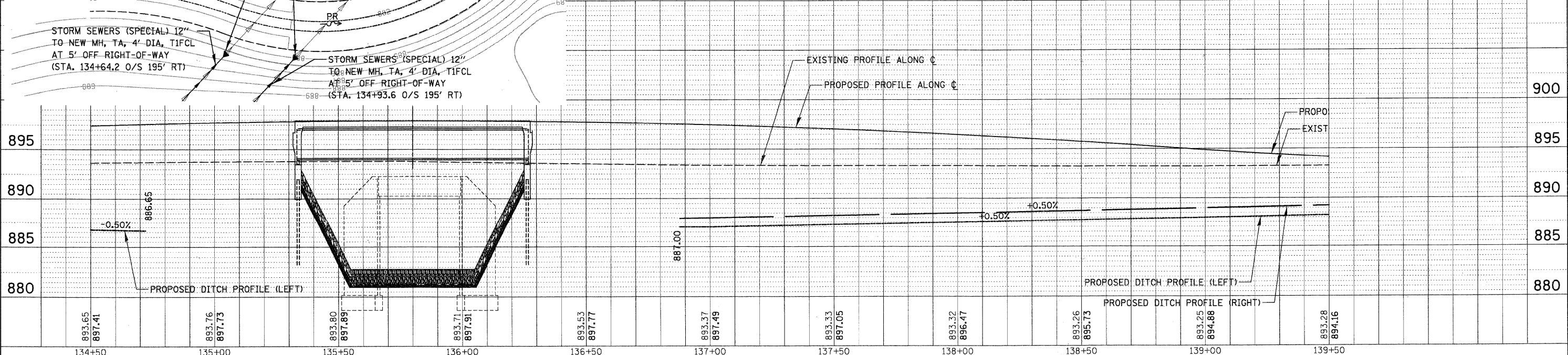
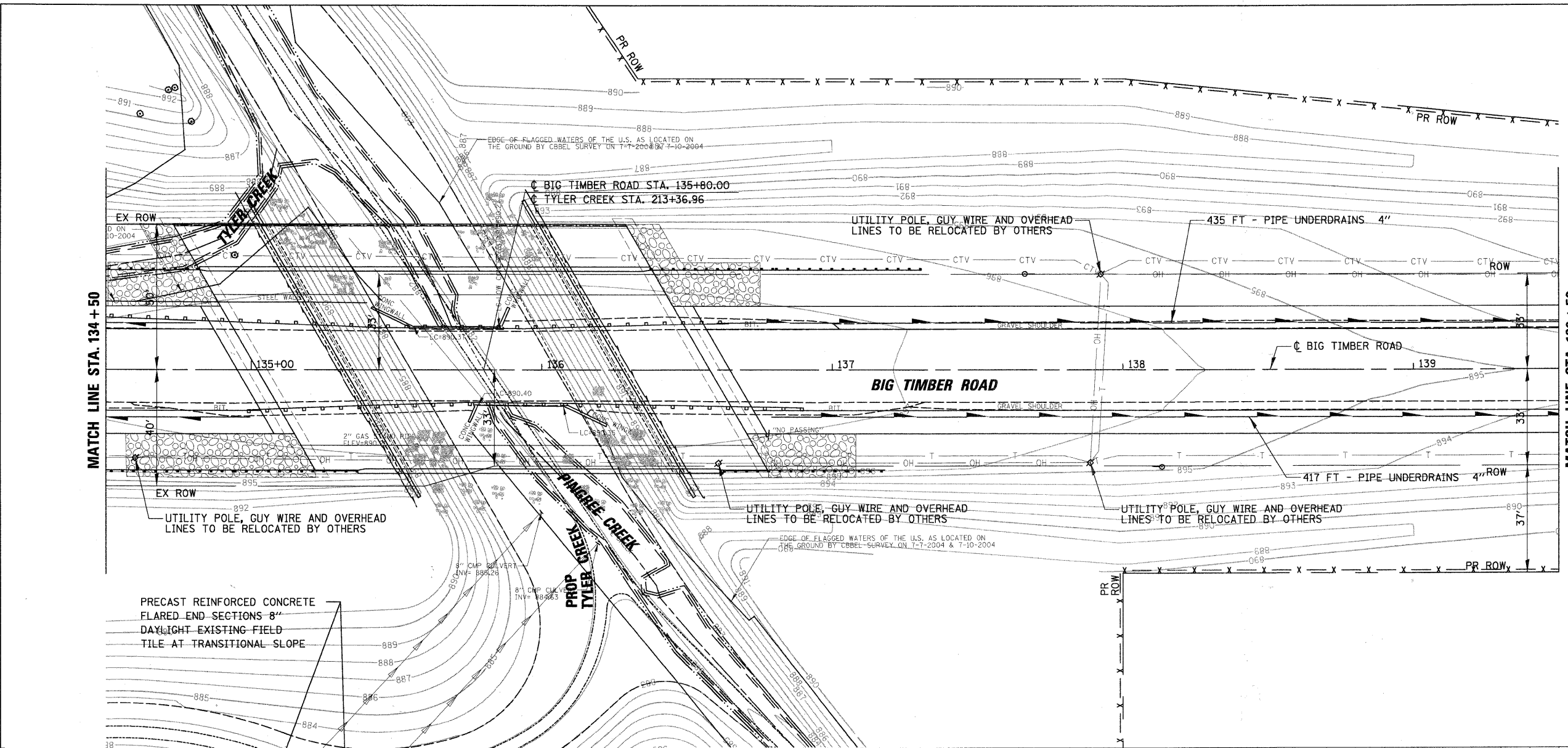
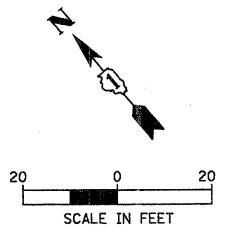


FILE NAME =	USER NAME = BLUKE	DESIGNED - RCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD DRAINAGE/UTILITY PLAN AND PROFILE	F.A.S. R.T.E. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 28
PLLOT SCALE = 2\"/>										

PLAN	DESIGNED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		
	NO.		

PROFILE	DESIGNED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

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

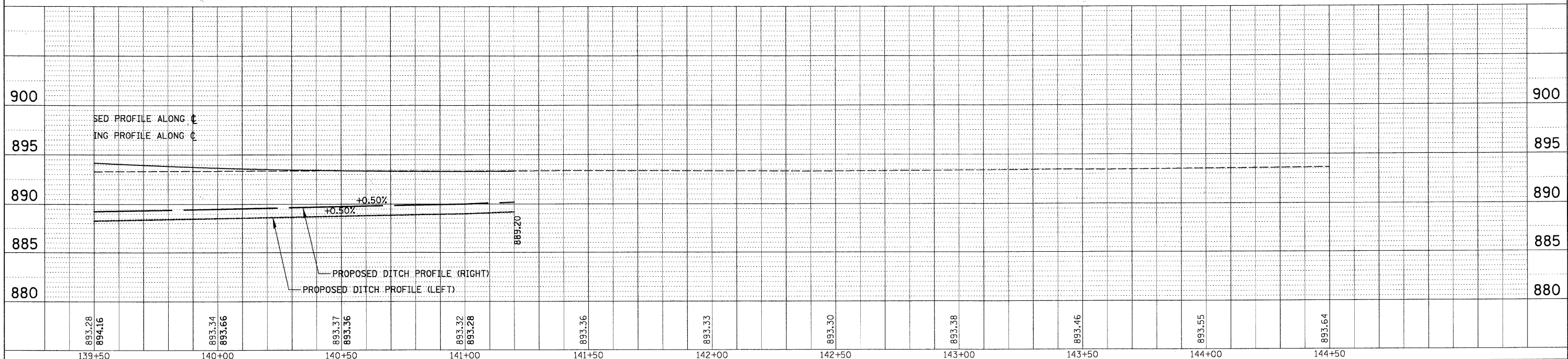
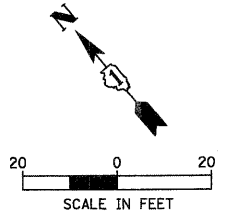
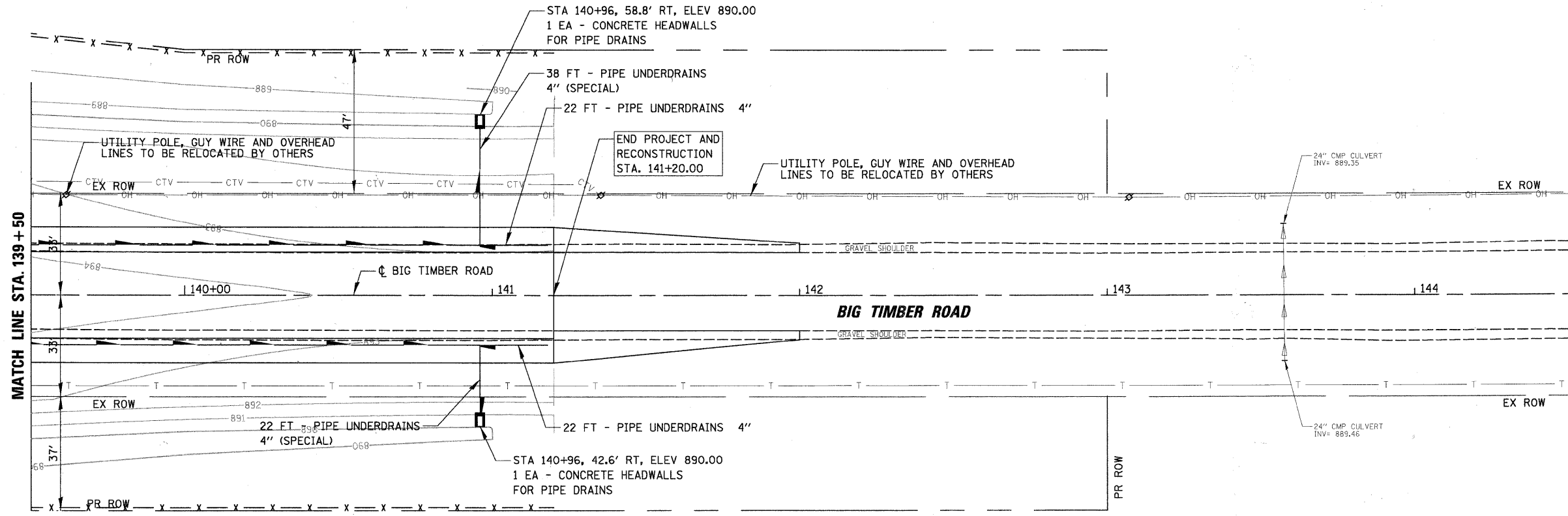


FILE NAME =	USER NAME = BLUKE	DESIGNED - RCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD DRAINAGE/UTILITY PLAN AND PROFILE	F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 29		
N:\kanecounty\04198\Cv1\2\DP\04198_2-03.SHT	PLOT SCALE = 20'	DRAWN - PMM	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 134+50 TO STA. 139+50	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043			
	PLOT DATE = 2/7/2011	CHECKED - JCS	REVISED -			CONTRACT NO.						
		DATE -	REVISED -									

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	CADD FILE NAME		

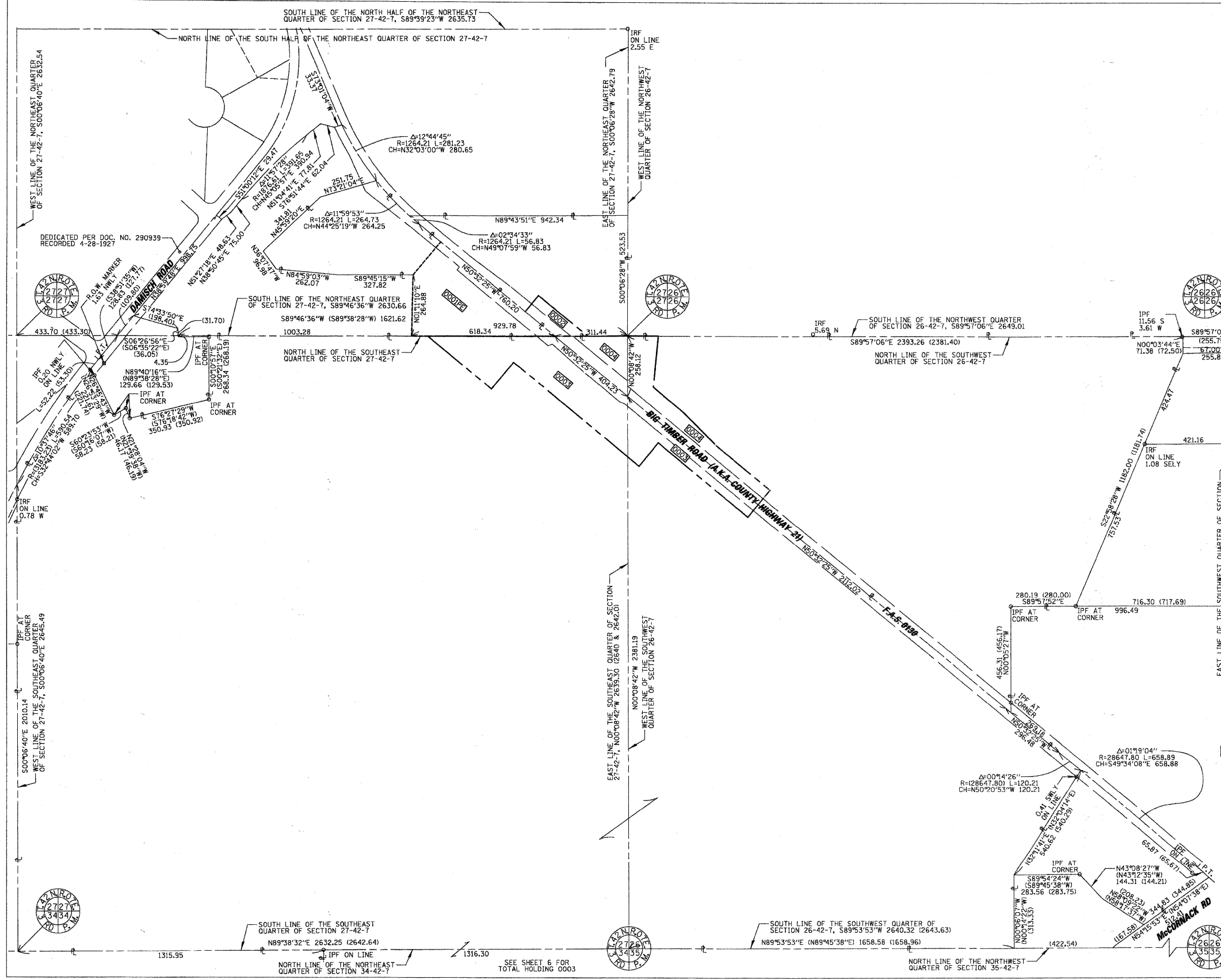
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	CADD FILE NAME		

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



FILE NAME = N:\kanecounty\04198\Civil\2\DP04198_2-04.dwg	USER NAME = BLUKE	DESIGNED - RCB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAS 0130 - BIG TIMBER ROAD DRAINAGE/UTILITY PLAN AND PROFILE	F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 30	
PLOT SCALE = 20'	PLOT DATE = 2/7/2011	DRAWN - PMM	REVISED -			SCALE: 1"=20' SHEET NO. OF SHEETS STA. 139+50 TO STA. 144+50					
		CHECKED - JGS	REVISED -			CONTRACT NO.					
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043					

PART OF SECTION 26 & 27, TOWNSHIP 42 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 17 SECTION CORNER 16

SECTION LINE
 QUARTER SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION
 SEE CURVE TABLE

BEARINGS SHOWN HEREON ARE GRID BEARINGS REFERENCED TO THE ILLINOIS COORDINATE SYSTEM, EAST ZONE

0 200' 400'

129.32
 (129.32)
 C12

○ IRON PIPE OR ROD FOUND
 + CUT CROSS FOUND OR SET

● PK NAIL FOUND OR SET
 ● REPLACED AFTER CONSTRUCTION

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH THE GROUND TO TIE MONUMENTATION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 T2
 T3

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE MONUMENTATION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3

M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, 1DOT STD. 2135 (TO BE SET BY OTHERS)

NOTE: COORDINATES SHOWN ON THE PLAT HEREON ARE "GROUND VALUES" (UNLESS OTHERWISE NOTED) DERIVED FROM AN AVERAGE COMBINED SCALE FACTOR OF 0.99993744369 BASED ON THE ILLINOIS COORDINATE SYSTEM, EAST ZONE. (N.A.D. 83-W-1997 ADJUSTMENT)

STATE OF ILLINOIS)
 COUNTY OF COOK) SS

WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001175, DECLARE THAT WE HAVE SURVEYED THE PART OF HIGHWAYS SHOWN HEREON IN SECTION 26 & 27, TOWNSHIP 42 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF OUR KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS 28 DAY OF August, A. D., 2008

Christopher B. Burke
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
 MY LICENSE EXPIRES 11/30/2008

"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM TECHNICAL STANDARDS FOR A BOUNDARY SURVEY."

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

REVISION	DATE	DESCRIPTION

KANE CO. DEPT. OF TRANSPORTATION
 PLAT OF HIGHWAYS
 ROUTE BIG TIMBER ROAD (CO. HIGHWAY 21)
 SECTION 01-00266-00BR
 COUNTY KANE
 JOB# R-91-016-05 PROJECT#BRM-8003(522)

08-28-08 0001 TO 0001P STA 114+18.86 TO STA 156+83.29
 06-25-08 KCDOT COMMENTS DRAWN AJK CHECKED JRM
 06-13-08 KCDOT COMMENTS SCALE: 1"=200' SHEET NO. 5 OF 6
 05-20-08 PARCEL 4 REV.

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



FOR REFERENCE INFORMATION ONLY

FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kanecounty\04198\Civil\2\p184.SHT		DRAWN - PMM	REVISED -
	PLOT SCALE = 233'	CHECKED - JCS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

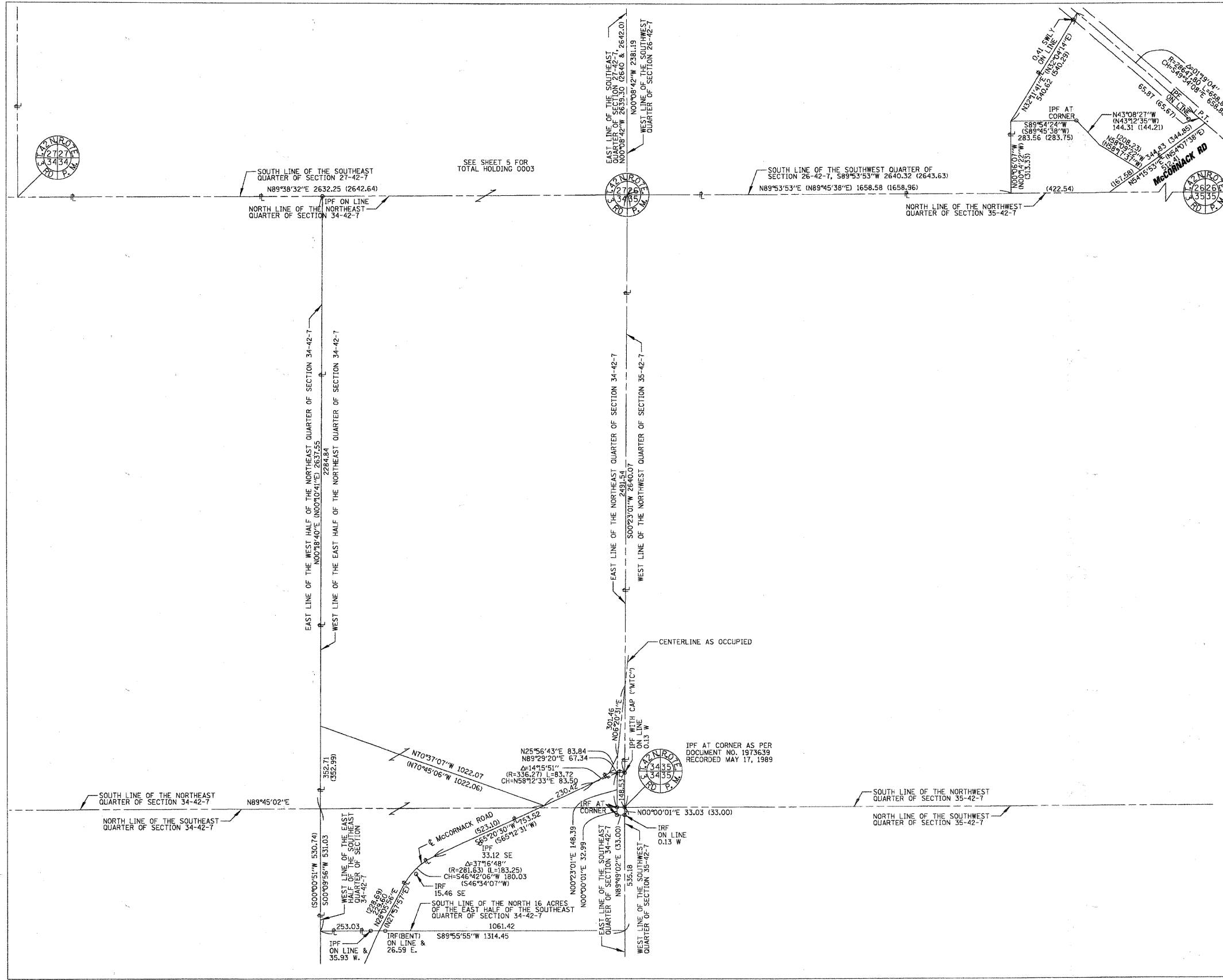
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE BIG TIMBER ROAD (CO. HIGHWAY 21)
 SECTION 01-00266-00BR
 COUNTY KANE

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	34
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT BRM-8003(043)			CONTRACT NO. 63196	

8/28/2008 nk\kanecounty\04198\Surveyor\W040198-5.SUR



LEGEND

SECTION CORNER 17 16 QUARTER SECTION CORNER

SECTION LINE
 QUARTER SECTION LINE
 QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION
 SEE CURVE TABLE

129.32
 (129.32)
 C12

BEARINGS SHOWN HEREON ARE GRID BEARINGS REFERENCED TO THE ILLINOIS COORDINATE SYSTEM, EAST ZONE

○ IRON PIPE OR ROD FOUND ● PK NAIL FOUND OR SET
 + CUT CROSS FOUND OR SET ● REPLACED AFTER CONSTRUCTION

• T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH THE GROUND TO TIE MONUMENTATION.
 T2 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 T3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

• BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH ROD 20 INCHES BELOW GROUND TO TIE MONUMENTATION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER. (SURVEYOR WILL SET UPON COMPLETION OF NEW CONSTRUCTION)

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, IODT STD. 2135 (TO BE SET BY OTHERS)

NOTE: COORDINATES SHOWN ON THE PLAT HEREON ARE "GROUND VALUES" (UNLESS OTHERWISE NOTED) DERIVED FROM A AVERAGE COMBINED SCALE FACTOR OF 0.99993744369 BASED ON THE ILLINOIS COORDINATE SYSTEM, EAST ZONE. (N.A.D. 83-W-1997 ADJUSTMENT)

STATE OF ILLINOIS)
 COUNTY OF COOK) SS

WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001175, DECLARE THAT WE HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 26 & 27, TOWNSHIP 42 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, AND COMPLETE AS SHOWN TO THE BEST OF OUR KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED THIS 28 DAY OF August, A.D., 2008

Herbert A. Rossmore

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240
 MY LICENSE EXPIRES 11/30/2008

"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM TECHNICAL STANDARDS FOR A BOUNDARY SURVEY."

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

REVISION	DATE	DESCRIPTION
06-25-08	KCDOT COMMENTS	
06-13-08	KCDOT COMMENTS	
05-20-08	PARCEL 4 REV.	

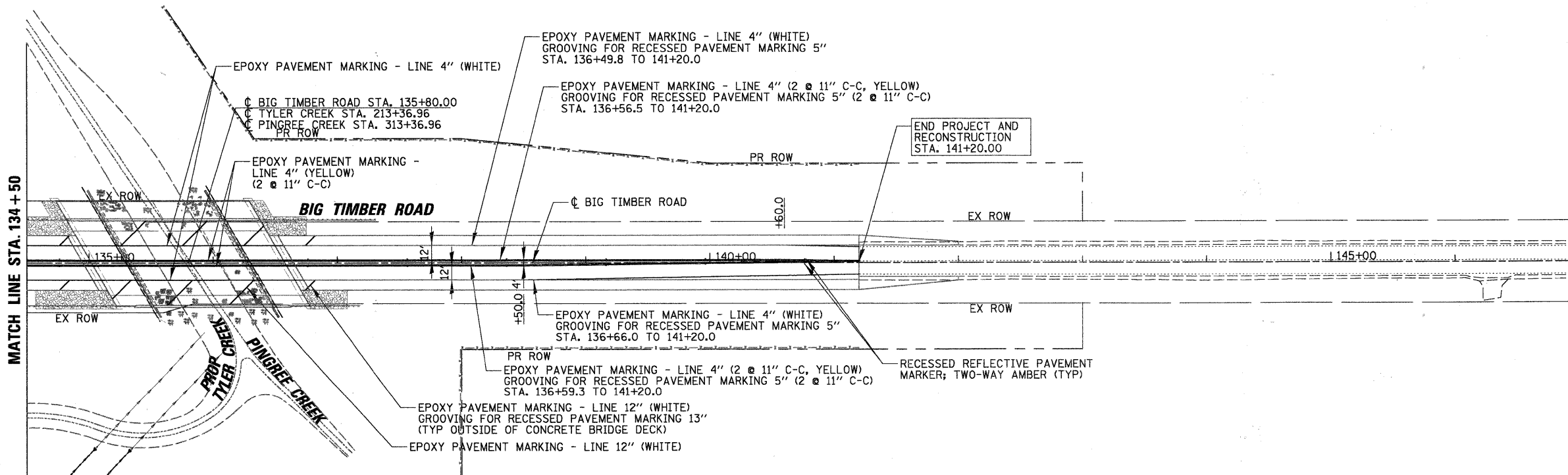
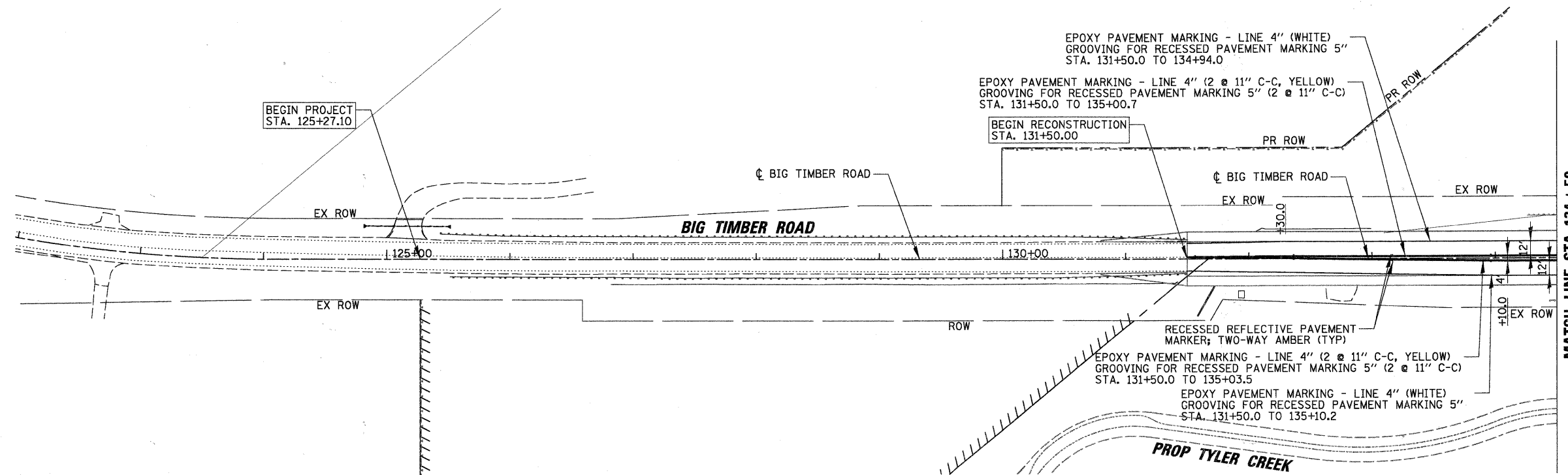
KANE CO. DEPT. OF TRANSPORTATION
 PLAT OF HIGHWAYS
 ROUTE BIG TIMBER ROAD (CO. HIGHWAY 21)
 SECTION 01-00266-00BR
 COUNTY KANE
 JOB# R-91-016-05 PROJECT#BRM-8003(522)

STA 114+18.86 TO STA 156+83.29
 DRAWN AJK CHECKED JRM
 SCALE: 1"=200' SHEET NO. 6 OF 6

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

FOR REFERENCE INFORMATION ONLY

FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ROUTE BIG TIMBER ROAD (CO. HIGHWAY 21) SECTION 01-00266-00BR COUNTY KANE				F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 35
N:\kanecounty\04198\Civil\2\p1\05.SHT	PLOT SCALE = 233'	DRAWN - PMM	REVISED -					SCALE: NTS	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT BRM-8003(043)	CONTRACT NO. 63196	
PLOT DATE = 2/7/2011	DATE = 02/07/2011	CHECKED - JGS	REVISED -													



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\04198\Civil\2\PMK\04198.2-01.SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 5/8"		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD
 PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 124+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431			CONTRACT NO. 63196	

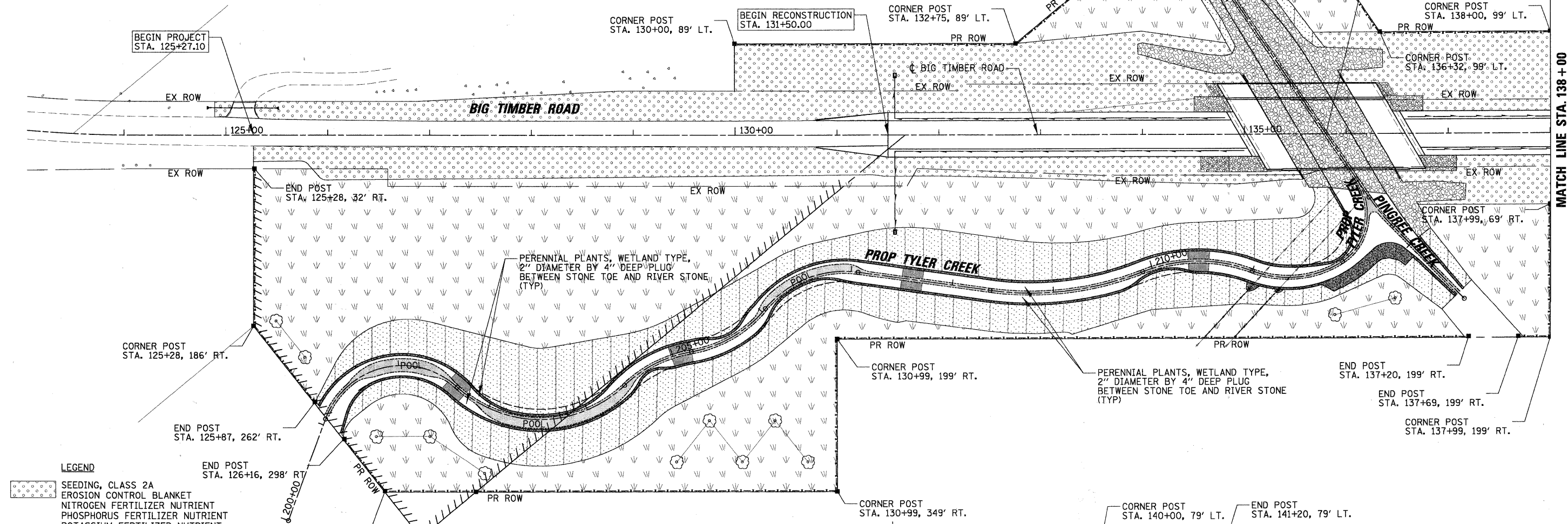
SEEDING, CLASS 4 (MODIFIED) : NATIVE PRAIRIE GRASSLAND				
Lbs. / Acre	Scientific Name	Common Name	C - Value	Ind. Status
3.00	<i>Andropogon gerardii</i>	big bluestem	5	FAC-
9.00	<i>Andropogon scoparius</i>	little bluestem grass	5	FACU
6.00	<i>Bouteloua curtipendula</i>	side oats grama grass	8	UPL
0.75	<i>Elymus virginicus</i>	Virginia wild rye	4	FACW
0.75	<i>Koeleria cristata</i>	june grass	7	UPL
0.75	<i>Stipa spartea</i>	needle grass	7	UPL
20.25	Total Weight of Seeds (lbs)			
Cover Crop:				
18.00	<i>Lolium multiflorum</i>	annual rye	0	UPL
100.00	<i>Avena sativa</i>	oats	0	UPL

PROPOSED TREE LOCATIONS		
SCIENTIFIC NAME	STATION	OFFSET
QUERCUS BICOLOR	125+49.39	181.82
QUERCUS BICOLOR	125+77.72	217.30
QUERCUS BICOLOR	126+47.77	295.50
QUERCUS BICOLOR	127+00.42	295.50
QUERCUS BICOLOR	127+54.09	331.73
QUERCUS BICOLOR	129+42.62	321.00
QUERCUS BICOLOR	129+74.82	280.07
QUERCUS BICOLOR	130+07.03	321.00
QUERCUS BICOLOR	130+39.23	280.07
QUERCUS BICOLOR	130+71.43	321.00
QUERCUS BICOLOR	135+88.78	177.20
QUERCUS BICOLOR	136+47.82	161.09

NOTE:
ALL SEEDING, CLASS 4 MIXES SHALL BE COMBINED WITH AN APPROPRIATE ENDOMYCORRHIZAL INOCULANT SUCH AS AM 120 MYCORRHIZAL INOCULUM (OR COMPARABLE). THE INOCULANTS SHALL CONTAIN A DIVERSE MIXTURE OF GLOMALES FUNGAL SPECIES (GLOMUS SPP.) IN PALLETIZED FORM. APPLICATION RATE SHALL BE 40 LBS/ACRE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE SEEDING CLASS 4 MIXES.

PLUGS SHALL BE INOCULATED WITH VESICULAR ARBUSCULAR MYCORRHIZAE ENDOMYCORRHIZAL FUNGI. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PERENNIAL PLAN PLUGS.

THE CONTRACTOR WILL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATE THEIR FACILITIES. THE ACTUAL LOCATIONS OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UNDERGROUND AND OVERHEAD UTILITIES.



- LEGEND**
- SEEDING, CLASS 2A
 - EROSION CONTROL BLANKET
 - NITROGEN FERTILIZER NUTRIENT
 - PHOSPHORUS FERTILIZER NUTRIENT
 - POTASSIUM FERTILIZER NUTRIENT
 - TOPSOIL EXCAVATION AND PLACEMENT - 4"
 - SEEDING, CLASS 4 (SPECIAL) : SHORELINE STABILIZATION MIX
 - HEAVY DUTY EROSION CONTROL BLANKET
 - TURF REINFORCEMENT MAT ON SLOPES STEEPER THAN 3:1
 - TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - SEEDING, CLASS 4 (MODIFIED) : NATIVE PRAIRIE GRASSLAND
 - EROSION CONTROL BLANKET
 - TOPSOIL EXCAVATION AND PLACEMENT - 12"
 - RIFFLE
 - STONE TOE (PAID AS STONE RIPRAP, CLASS A5)
 - RIVER STONE (PAID AS STONE RIPRAP, CLASS A3 (SPECIAL))
 - RIPRAP AT BRIDGE (PAID AS STONE RIPRAP, CLASS A5)
 - WOVEN WIRE FENCE, 4'
 - ROW MARKER
 - TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

SEEDING, CLASS 4 (SPECIAL) : SHORELINE STABILIZATION MIX				
Lbs. / Acre	Scientific Name	Common Name	C - Value	Ind. Status
4.50	<i>Andropogon gerardii</i>	big bluestem	5	FAC-
1.05	<i>Calamagrostis canadensis</i>	blue joint grass	3	OBL
4.50	<i>Elymus virginicus</i>	Virginia wild rye	4	FACW
1.50	<i>Glyceria striata</i>	fowl manna grass	4	FACW
1.50	<i>Hierchloe odorata</i>	vanilla grass	9	FACW
3.00	<i>Leersia oryzoides</i>	rice cut grass	4	OBL
1.50	<i>Panicum virgatum</i>	switch grass	5	FAC+
0.38	<i>Carex annectens xanthocarpa</i>	yellow fruited sedge	7	FAC
0.38	<i>Carex bebbii</i>	Bebb's sedge	6	OBL
0.19	<i>Carex buxbaumii</i>	sedge	9	OBL
0.38	<i>Carex normalis</i>	normal sedge	5	FAC
0.38	<i>Carex vulpinoidea</i>	fox sedge	2	OBL
19.24	Total Weight of Seeds (lbs)			
Cover Crop:				
3.00	<i>Agrostis alba palustris</i>	bent grass	10	OBL
9.00	<i>Lolium multiflorum</i>	annual rye	0	UPL
0.75	<i>Polygonum pennsylvanicum</i>	Pennsylvania knotweed	0	FACW+
5.00	<i>Echinochloa crusgalli</i>	barnyard grass	0	FACW
100.00	<i>Avena sativa</i>	oats	0	UPL

FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\04198\C1.v1.2\LS\04198.2-SHT		DRAWN - PMM	REVISED -
PLOT SCALE = 50'		CHECKED - JGS	REVISED -
PLOT DATE = 2/7/2011		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD LANDSCAPING PLAN			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 124+50 TO STA. 144+50	

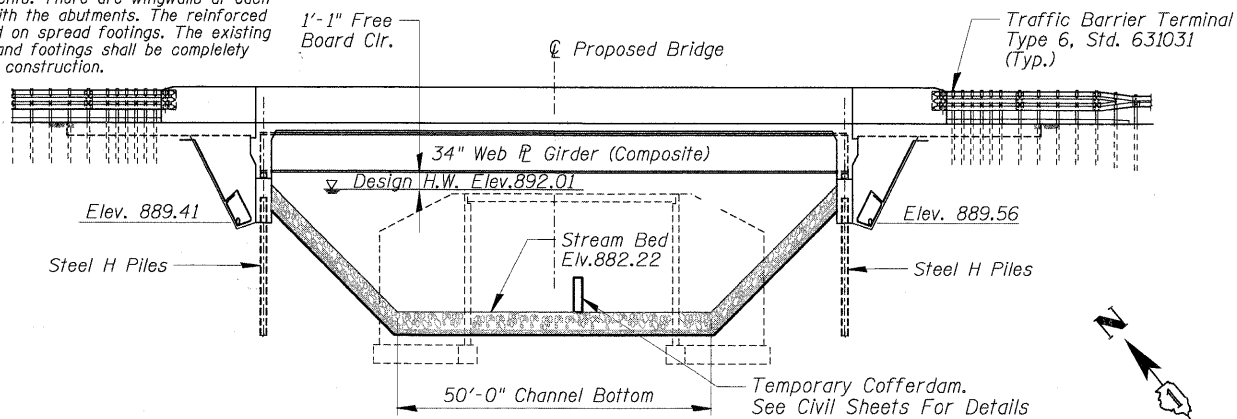
F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 37
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63196	

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

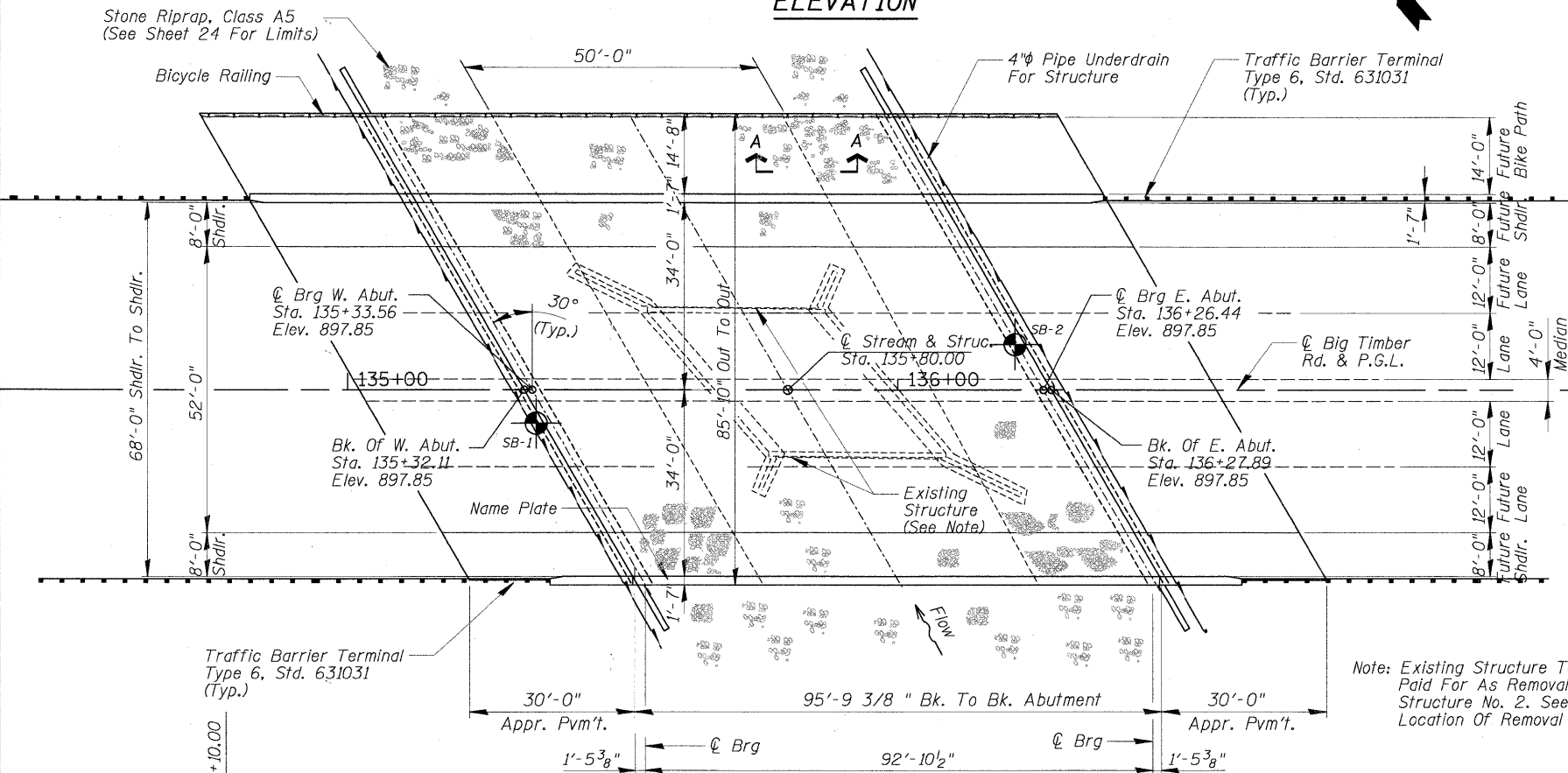
Bench Mark: Yellow "Bench Tie" spike in southerly face of power pole on westerly side of drive to house number 15N563. Elev. 893.84

Existing Structure: The existing structure, S/N 045-3012, is a single span reinforced concrete slab bridge with a bituminous overlay. The clear span length of the bridge is 30'-0" with a back of abutments length of 32'-7". The bridge deck is 27'-0" out to out with 24'-6" clear between the curbs. The reinforced concrete slab is supported on reinforced concrete abutments. There are wingwalls at each corner of the structure, which are monolithic with the abutments. The reinforced concrete abutments and wingwalls are supported on spread footings. The existing reinforced concrete slab, abutments, wingwalls and footings shall be completely removed. Bridge will be closed to traffic during construction. Construction staging is not required.

No salvage.



ELEVATION



PLAN

WATERWAY INFORMATION

Flood	Freq. Yr.	Q cfs	Opening ft ²		Nat. H.W.E.	Head - ft		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	30	1558	418.0	553.15	892.01	0.67	0.00	892.68	891.92
Base	50	1742	476.9	565.5	892.17	0.80	0.00	892.97	891.99
Max. Calc.	100	2096	505.1	581.6	892.37	1.11	0.06	893.48	892.43
	500	2819	580.4	609.8	892.70	1.29	0.25	893.99	892.95

WATERWAY INFORMATION TABLE ELEVATIONS BASED ON HEC-2 MODEL RESULTS

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Notes
- 3 Top Of Deck Plan And Details
- 4-5 Top Of Deck Elevations
- 6 Top Of West Approach Slab Elevations
- 7 Top Of East Approach Slab Elevations
- 8 Deck Plan and Cross Section
- 9-10 Parapet Details
- 11 Superstructure Details
- 12 Bicycle Railing
- 13 Framing Plan And Details
- 14 Steel Details
- 15 West Abutment Details
- 16 East Abutment Details
- 17 Bar Splicer Assembly
- 18-19 Bridge Approach Slab Details
- 20 Pile Details
- 21 Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	APPROACH	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		225		225
Stone Riprap, Class A5	Sq. Yd.		2,700		2,700
Filter Fabric	Sq. Yd.		2,700		2,700
Structure Excavation	Cu. Yd.		220		220
Concrete Structures	Cu. Yd.		81.8	45.9	127.7
Concrete Superstructure	Cu. Yd.	299.1		276.3	575.4
Bridge Deck Grooving	Sq. Yd.	703			703
Concrete Encasement	Cu. Yd.		9.0		9.0
Protective Coat	Sq. Yd.	990		40	1,030
Furnishing & Erecting Structural Steel	L. Sum	1			1
Stud Shear Connectors	Each	3,354			3,354
Reinforcement Bars, Epoxy Coated	Lb.	52,220	8,460	70,360	131,040
Furnishing Steel Piles HPI2x53	Foot		1,644		1,644
Driving Piles	Foot		1,644		1,644
Test Pile HPI2x53	Each		2		2
Name Plates	Each	1			1
Pipe Underdrain for Structures, 4"	Foot.		240		240
Bar Splicers	Each	176			176
Anchor Bolts, 1"	Each		52		52
Removal Of Existing Structures No. 2	Each				1
Geocomposite Wall Drain	Sq. Yd.		160		160
Bicycle Railing	Foot	156			156

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges 17th Edition.

LOADING HS20-44

Allow 50 #/sq. ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi
 $f_y = 50,000$ psi (structural steel) (M270 Grade 50)
 $f_y = 60,000$ psi (Reinf.)

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient = 0.04g
 Site Coefficient = 1.0

TYLER AND PINGREE CREEK
 BUILT BY
 KANE COUNTY
 SEC. 01-00266-00-BR
 F.A.S. 0130 STA. 135+80
 STR. NO. 045-3323
 LOADING HS20-44

NAME PLATE

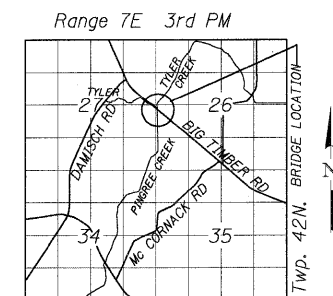
See Std. 515001

Note: Existing Structure To Be Removed.
 Paid For As Removal of Existing Structure No. 2. See Civil Plans For Location Of Removal of Structure No. 1

I Certify That To The Best Of My Knowledge, Information And Belief, This Bridge Design Is Structurally Adequate For The Design Loading Shown On The Plans. The Design Is An Economical One For The Style Of Structure And Complies With Requirements Of The Current "AASHTO Standard Specification For Highway And Bridges".



Majid Mobasseri 2/7/2011
MAJID MOBASSERI
 ILLINOIS REGISTRATION No. 081-005058
 STRUCTURAL ENGINEER
 EXPIRATION DATE: 11/30/12



LOCATION SKETCH

F.A.S. 0130 - BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

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



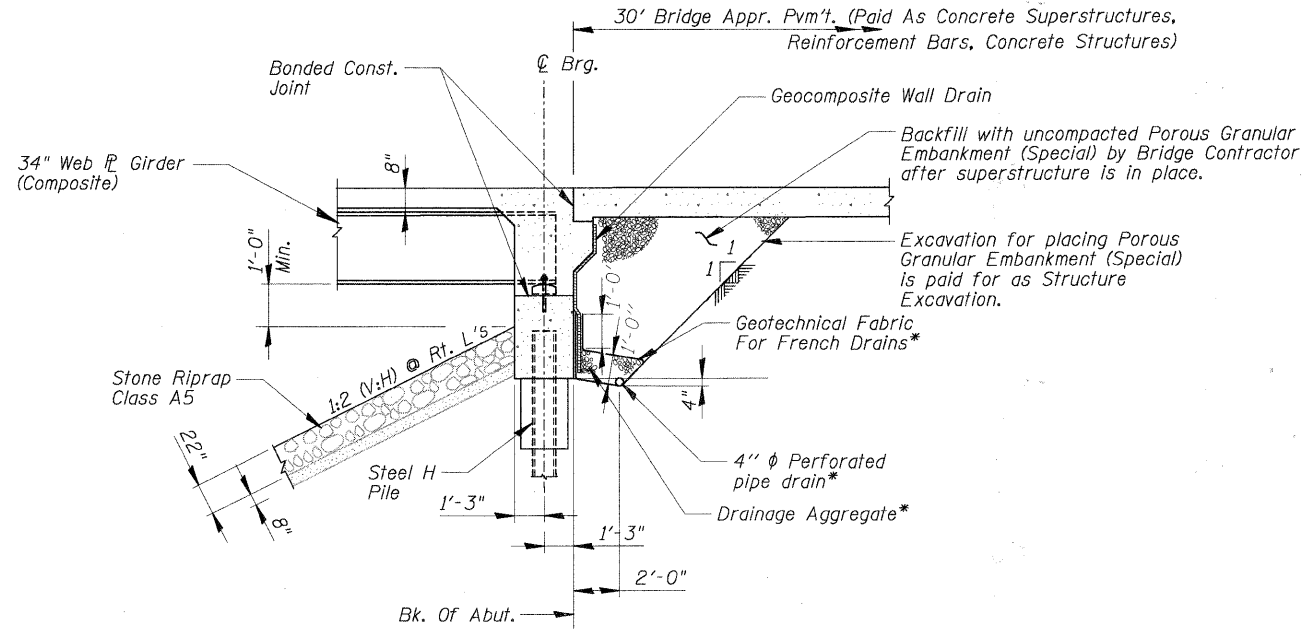
FILE NAME =	USER NAME = PRAZALAN	DESIGNED - MM	REVISED -
N:\kane\county\04198\STRUCT_2\04198-01.SHT		DRAWN - PDR	REVISED -
		CHECKED - MM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS	GENERAL PLAN AND ELEVATION
DEPARTMENT OF TRANSPORTATION	
	SHEET NO. S-1 OF S-21

F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 38
CONTRACT NO. 63196			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431	

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts (in painted areas and M164 Type 3 in unpainted areas). Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{13}{16}$ in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 191,150 lbs. Grade 50
= 19,960 lbs. Grade 36
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
- The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.



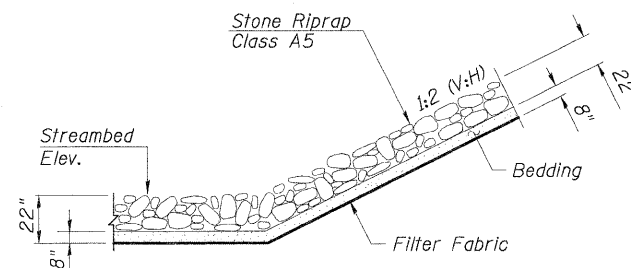
TYPICAL SECTION THRU ABUTMENT

(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101). *



SECTION A-A - STONE RIPRAP ANCHOR DETAIL

CHRISTOPHER B. BURKE ENGINEERING, LTD.
8975 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 822-0500



F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\04198\STRUCT_2\04198-S2.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1"	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

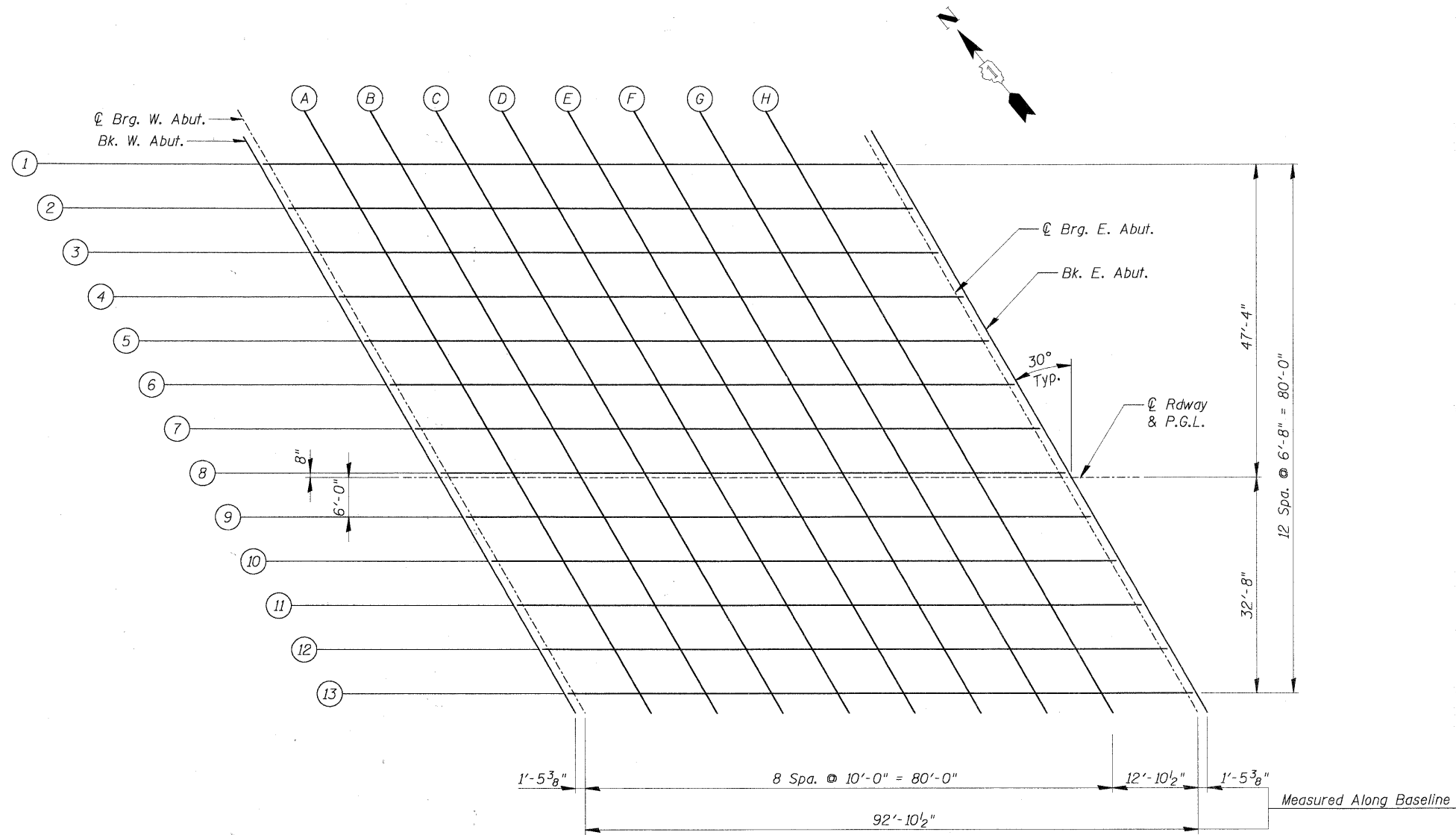
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

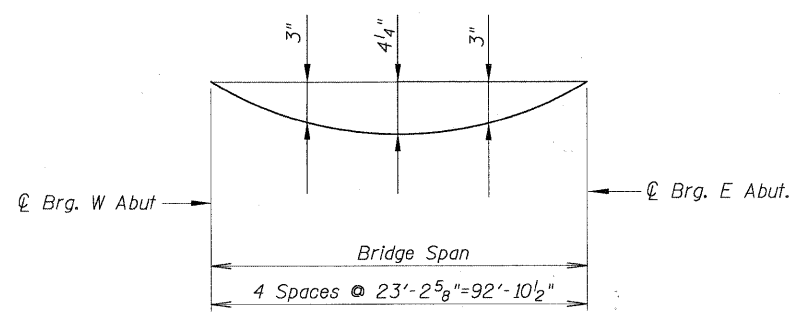
SHEET NO. S-2 OF S-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	39
CONTRACT NO. 63196			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-0500



PLAN

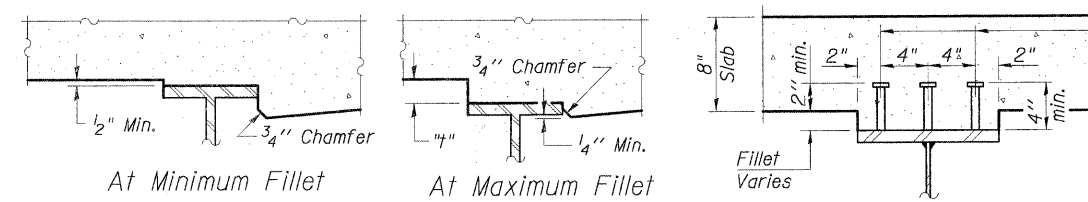


DEAD LOAD DEFLECTION DIAGRAM

(Includes Weight of Concrete Deck And All Superimposed Dead Load Except Future Wearing Surfaces)

NOTE:

- The deflections given above are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflection as shown on Sheets S-4 and S-5.
- Offsets Are Positive South Of The Profile Gradeline.



EXTERIOR BEAMS

INTERIOR BEAMS

NOTE:

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Drawing No. S-4 & S-5 minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

3/4" φ Granular or solid flux filled headed studs, automatically end welded to flange.

FILE NAME = N:\kanecounty\04198\STRUCT_2\04198-S3.SHT	USER NAME = BLUKE	DESIGNED -- MM	REVISED -
		DRAWN -- PDR	REVISED -
		CHECKED -- MM	REVISED -
		DATE -	REVISED -
	PLOT SCALE = 1"		
	PLOT DATE = 2/7/2011		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF DECK PLAN AND DETAILS

SHEET NO. S-3 OF S-21

F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 40
CONTRACT NO. 63196			STRUCTURE NO. 045-3323	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431				

BEAM 1

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+04.787	-47.33	896.874	896.874
CL Brg W Abut	135+06.230	-47.33	896.880	896.880
A	135+16.230	-47.33	896.921	897.042
B	135+26.230	-47.33	896.957	897.182
C	135+36.230	-47.33	896.986	897.290
D	135+46.230	-47.33	897.009	897.358
E	135+56.230	-47.33	897.026	897.381
F	135+66.230	-47.33	897.038	897.359
G	135+76.230	-47.33	897.043	897.295
H	135+86.230	-47.33	897.042	897.195
CL Brg E Abut	135+99.110	-47.33	897.032	897.032
Bk E Abut	136+00.554	-47.33	897.031	897.031

BEAM 2

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+08.636	-40.67	897.024	897.024
CL Brg W Abut	135+10.080	-40.67	897.030	897.030
A	135+20.080	-40.67	897.069	897.189
B	135+30.080	-40.67	897.102	897.328
C	135+40.080	-40.67	897.129	897.433
D	135+50.080	-40.67	897.150	897.499
E	135+60.080	-40.67	897.165	897.520
F	135+70.080	-40.67	897.174	897.495
G	135+80.080	-40.67	897.177	897.429
H	135+90.080	-40.67	897.174	897.327
CL Brg E Abut	136+02.960	-40.67	897.161	897.161
Bk E Abut	136+04.403	-40.67	897.159	897.159

BEAM 3

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+12.485	-34.00	897.173	897.173
CL Brg W Abut	135+13.929	-34.00	897.179	897.179
A	135+23.929	-34.00	897.216	897.336
B	135+33.929	-34.00	897.246	897.472
C	135+43.929	-34.00	897.271	897.575
D	135+53.929	-34.00	897.290	897.639
E	135+63.929	-34.00	897.302	897.657
F	135+73.929	-34.00	897.309	897.631
G	135+83.929	-34.00	897.310	897.562
H	135+93.929	-34.00	897.304	897.457
CL Brg E Abut	136+06.809	-34.00	897.288	897.288
Bk E Abut	136+08.252	-34.00	897.286	897.286

BEAM 4

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+16.334	-27.33	897.322	897.322
CL Brg W Abut	135+17.778	-27.33	897.327	897.327
A	135+27.778	-27.33	897.362	897.482
B	135+37.778	-27.33	897.390	897.616
C	135+47.778	-27.33	897.412	897.717
D	135+57.778	-27.33	897.429	897.777
E	135+67.778	-27.33	897.439	897.794
F	135+77.778	-27.33	897.443	897.765
G	135+87.778	-27.33	897.442	897.694
H	135+97.778	-27.33	897.434	897.587
CL Brg E Abut	136+10.658	-27.33	897.415	897.415
Bk E Abut	136+12.101	-27.33	897.412	897.412

BEAM 5

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+20.183	-20.67	897.469	897.469
CL Brg W Abut	135+21.627	-20.67	897.474	897.474
A	135+31.627	-20.67	897.506	897.627
B	135+41.627	-20.67	897.532	897.758
C	135+51.627	-20.67	897.553	897.857
D	135+61.627	-20.67	897.567	897.915
E	135+71.627	-20.67	897.575	897.929
F	135+81.627	-20.67	897.577	897.898
G	135+91.627	-20.67	897.573	897.825
H	136+01.627	-20.67	897.563	897.716
CL Brg E Abut	136+14.507	-20.67	897.541	897.541
Bk E Abut	136+15.950	-20.67	897.538	897.538

BEAM 6

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+24.032	-14.00	897.616	897.616
CL Brg W Abut	135+25.476	-14.00	897.621	897.621
A	135+35.476	-14.00	897.651	897.771
B	135+45.476	-14.00	897.674	897.900
C	135+55.476	-14.00	897.692	897.996
D	135+65.476	-14.00	897.704	898.053
E	135+75.476	-14.00	897.709	898.064
F	135+85.476	-14.00	897.709	898.031
G	135+95.476	-14.00	897.703	897.955
H	136+05.476	-14.00	897.691	897.843
CL Brg E Abut	136+18.356	-14.00	897.666	897.666
Bk E Abut	136+19.799	-14.00	897.662	897.662

BEAM 7

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+27.881	-7.33	897.729	897.729
CL Brg W Abut	135+29.325	-7.33	897.733	897.733
A	135+39.325	-7.33	897.760	897.881
B	135+49.325	-7.33	897.782	898.007
C	135+59.325	-7.33	897.797	898.102
D	135+69.325	-7.33	897.807	898.155
E	135+79.325	-7.33	897.810	898.165
F	135+89.325	-7.33	897.807	898.129
G	135+99.325	-7.33	897.799	898.051
H	136+09.325	-7.33	897.784	897.937
CL Brg E Abut	136+22.205	-7.33	897.757	897.757
Bk E Abut	136+23.648	-7.33	897.753	897.753

BEAM 8

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+31.730	-0.67	897.840	897.840
CL Brg W Abut	135+33.174	-0.67	897.844	897.844
A	135+43.174	-0.67	897.869	897.990
B	135+53.174	-0.67	897.888	898.114
C	135+63.174	-0.67	897.902	898.206
D	135+73.174	-0.67	897.909	898.258
E	135+83.174	-0.67	897.910	898.265
F	135+93.174	-0.67	897.905	898.227
G	136+03.174	-0.67	897.894	898.146
H	136+13.174	-0.67	897.877	898.030
CL Brg E Abut	136+26.054	-0.67	897.846	897.846
Bk E Abut	136+27.497	-0.67	897.842	897.842

P.G.L.

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+32.115	0.000	897.851	897.851
CL Brg W Abut	135+33.558	0.000	897.855	897.855
A	135+43.558	0.000	897.880	898.001
B	135+53.558	0.000	897.899	898.125
C	135+63.558	0.000	897.912	898.216
D	135+73.558	0.000	897.919	898.268
E	135+83.558	0.000	897.920	898.274
F	135+93.558	0.000	897.914	898.236
G	136+03.558	0.000	897.903	898.155
H	136+13.558	0.000	897.886	897.039
CL Brg E Abut	136+26.438	0.000	897.855	897.855
Bk E Abut	136+27.882	0.000	897.851	897.851

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



F.A.S. 0130 -BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF DECK ELEVATIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\kanecounty\04198\STRUCT.2\04198-54.SHT		DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	41	
PLOT SCALE = 1"		CHECKED - MM	REVISED -			CONTRACT NO. 63196					
PLOT DATE = 2/7/2011		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043					
SHEET NO. S-4 OF S-21											

BEAM 9

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+35.579	6.00	897.771	897.771
CL Brg W Abut	135+37.023	6.00	897.775	897.775
A	135+47.023	6.00	897.797	897.918
B	135+57.023	6.00	897.814	898.040
C	135+67.023	6.00	897.825	898.129
D	135+77.023	6.00	897.830	898.179
E	135+87.023	6.00	897.829	898.183
F	135+97.023	6.00	897.821	898.143
G	136+07.023	6.00	897.808	898.060
H	136+17.023	6.00	897.789	897.942
CL Brg E Abut	136+29.903	6.00	897.755	897.755
Bk E Abut	136+31.346	6.00	897.751	897.751

BEAM 10

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+39.428	12.67	897.681	897.681
CL Brg W Abut	135+40.872	12.67	897.684	897.684
A	135+50.872	12.67	897.705	897.825
B	135+60.872	12.67	897.719	897.945
C	135+70.872	12.67	897.727	898.032
D	135+80.872	12.67	897.730	898.079
E	135+90.872	12.67	897.726	898.081
F	136+00.872	12.67	897.717	898.039
G	136+10.872	12.67	897.701	897.953
H	136+20.872	12.67	897.680	897.833
CL Brg E Abut	136+33.752	12.67	897.643	897.643
Bk E Abut	136+35.195	12.67	897.639	897.639

BEAM 11

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+43.277	19.33	897.563	897.563
CL Brg W Abut	135+44.721	19.33	897.566	897.566
A	135+54.721	19.33	897.584	897.705
B	135+64.721	19.33	897.596	897.822
C	135+74.721	19.33	897.602	897.907
D	135+84.721	19.33	897.603	897.952
E	135+94.721	19.33	897.597	897.952
F	136+04.721	19.33	897.585	897.907
G	136+14.721	19.33	897.567	897.819
H	136+24.721	19.33	897.543	897.696
CL Brg E Abut	136+37.601	19.33	897.504	897.504
Bk E Abut	136+39.044	19.33	897.499	897.499

BEAM 12

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+47.126	26.00	897.438	897.438
CL Brg W Abut	135+48.570	26.00	897.440	897.440
A	135+58.570	26.00	897.456	897.577
B	135+68.570	26.00	897.466	897.692
C	135+78.570	26.00	897.470	897.774
D	135+88.570	26.00	897.468	897.817
E	135+98.570	26.00	897.460	897.814
F	136+08.570	26.00	897.446	897.767
G	136+18.570	26.00	897.425	897.677
H	136+28.570	26.00	897.399	897.552
CL Brg E Abut	136+41.450	26.00	897.357	897.357
Bk E Abut	136+42.893	26.00	897.351	897.351

BEAM 13

Locations	Stations	Offset	Theoretical Grade Elevations	Elevations Adjusted For DL Deflections
Bk W Abut	135+50.975	32.67	897.311	897.311
CL Brg W Abut	135+52.419	32.67	897.314	897.314
A	135+62.419	32.67	897.327	897.448
B	135+72.419	32.67	897.335	897.561
C	135+82.419	32.67	897.336	897.641
D	135+92.419	32.67	897.332	897.681
E	136+02.419	32.67	897.322	897.676
F	136+12.419	32.67	897.305	897.627
G	136+22.419	32.67	897.283	897.535
H	136+32.419	32.67	897.254	897.407
CL Brg E Abut	136+45.299	32.67	897.209	897.209
Bk E Abut	136+46.742	32.67	897.203	897.203

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(817) 823-0500



F.A.S. 0130 -BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF DECK ELEVATIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\04198\STRUCT.2\04198-55.SHT	PI OT SCALE = 1"	DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	42
PLOT DATE = 2/7/2011	DATE -	CHECKED - MM	REVISED -			CONTRACT NO. 63196				
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431				
SHEET NO. S-5 OF S-21										

N. EDGE OF BIKE PATH

Location	Station	Offset	Theoretical Grade Elevations
End of W. Appr. Pav't.	134+73.103	-50.25	896.642
A	134+83.103	-50.25	896.703
B	134+93.103	-50.25	896.758
Bk. W. Abut.	135+03.103	-50.25	896.808

N. EDGE OF INSIDE LANE

Location	Station	Offset	Theoretical Grade Elevations
End of W. Appr. Pav't.	134+94.032	-14.00	897.488
A	135+04.032	-14.00	897.537
B	135+14.032	-14.00	897.579
Bk. W. Abut.	135+24.032	-14.00	897.616

☉ RDWAY & P.G.L.

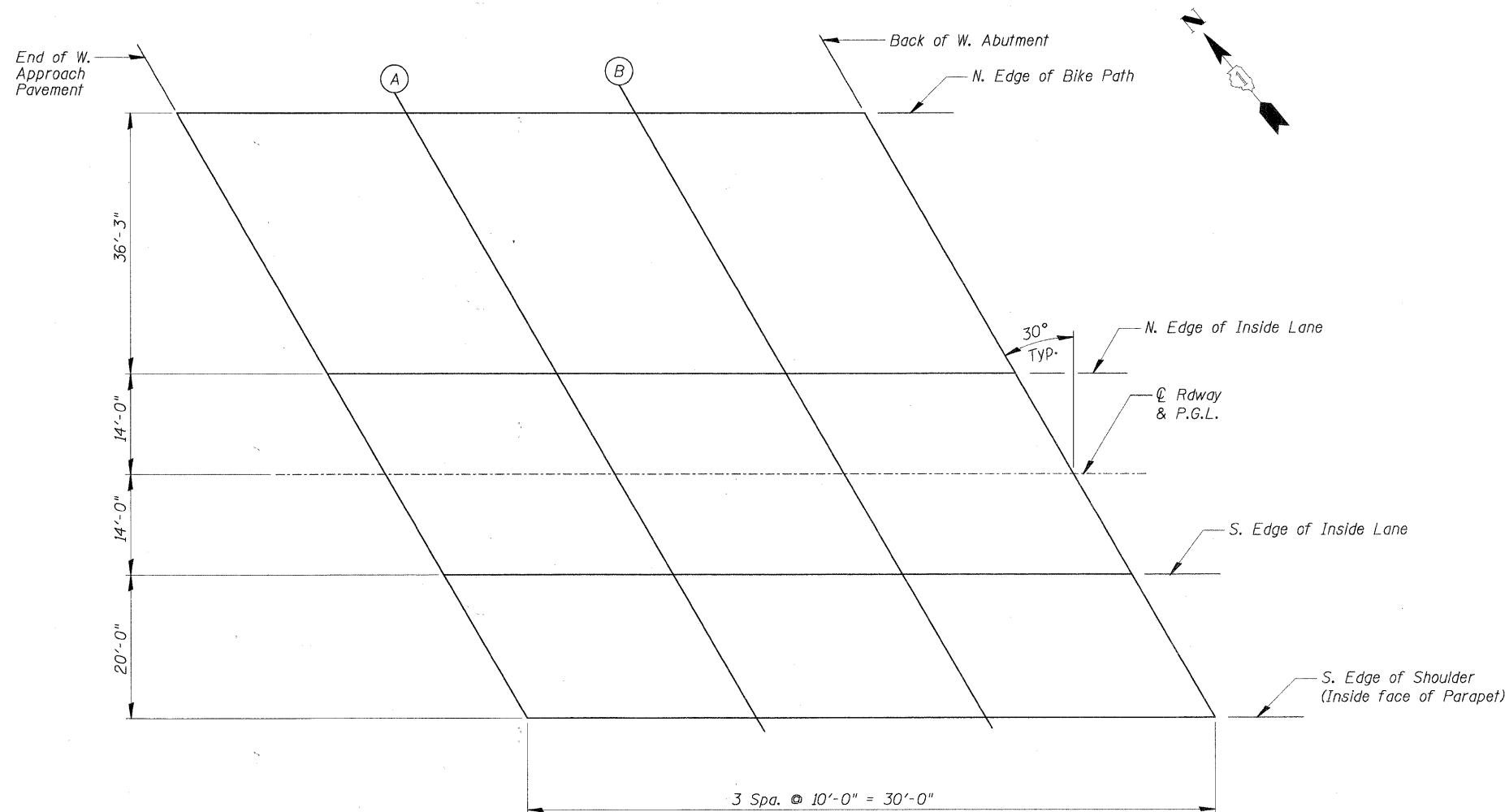
Location	Station	Offset	Theoretical Grade Elevations
End of W. Appr. Pav't.	135+02.115	0.00	897.738
A	135+12.115	0.00	897.782
B	135+22.115	0.00	897.819
Bk. W. Abut.	135+32.115	0.00	897.851

S. EDGE OF INSIDE LANE

Location	Station	Offset	Theoretical Grade Elevations
End of W. Appr. Pav't.	135+10.198	14.00	897.564
A	135+20.198	14.00	897.603
B	135+30.198	14.00	897.636
Bk. W. Abut.	135+40.198	14.00	897.662

S. EDGE OF SHOULDER (INSIDE FACE OF PARAPET)

Location	Station	Offset	Theoretical Grade Elevations
End of W. Appr. Pav't.	135+21.745	34.00	897.208
A	135+31.745	34.00	897.240
B	135+41.745	34.00	897.266
Bk. W. Abut.	135+51.745	34.00	897.286



PLAN

CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 823-0500



F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED = MM	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF WEST APPROACH SLAB ELEVATIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\04198\STRUCT_2\04198-56.SHT	DRAWN = PDR	REVISIONS	0130			01-00266-00-BR	KANE	70	43	
PLOT SCALE = 1"	CHECKED = MM	REVISIONS	CONTRACT NO. 63196							
PLOT DATE = 2/7/2011	DATE	REVISIONS	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431							
					SHEET NO. S-6 OF S-21					

N. EDGE OF BIKE PATH

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	135+98.870	-50.25	896.974
A	136+08.870	-50.25	896.960
B	136+18.870	-50.25	896.940
End of E. Appr. Pav't.	136+28.870	-50.25	896.913

N. EDGE OF INSIDE LANE

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	136+19.799	-14.00	897.662
A	136+29.799	-14.00	897.636
B	136+39.799	-14.00	897.603
End of E. Appr. Pav't.	136+49.799	-14.00	897.564

☉ RDWAY & P.G.L.

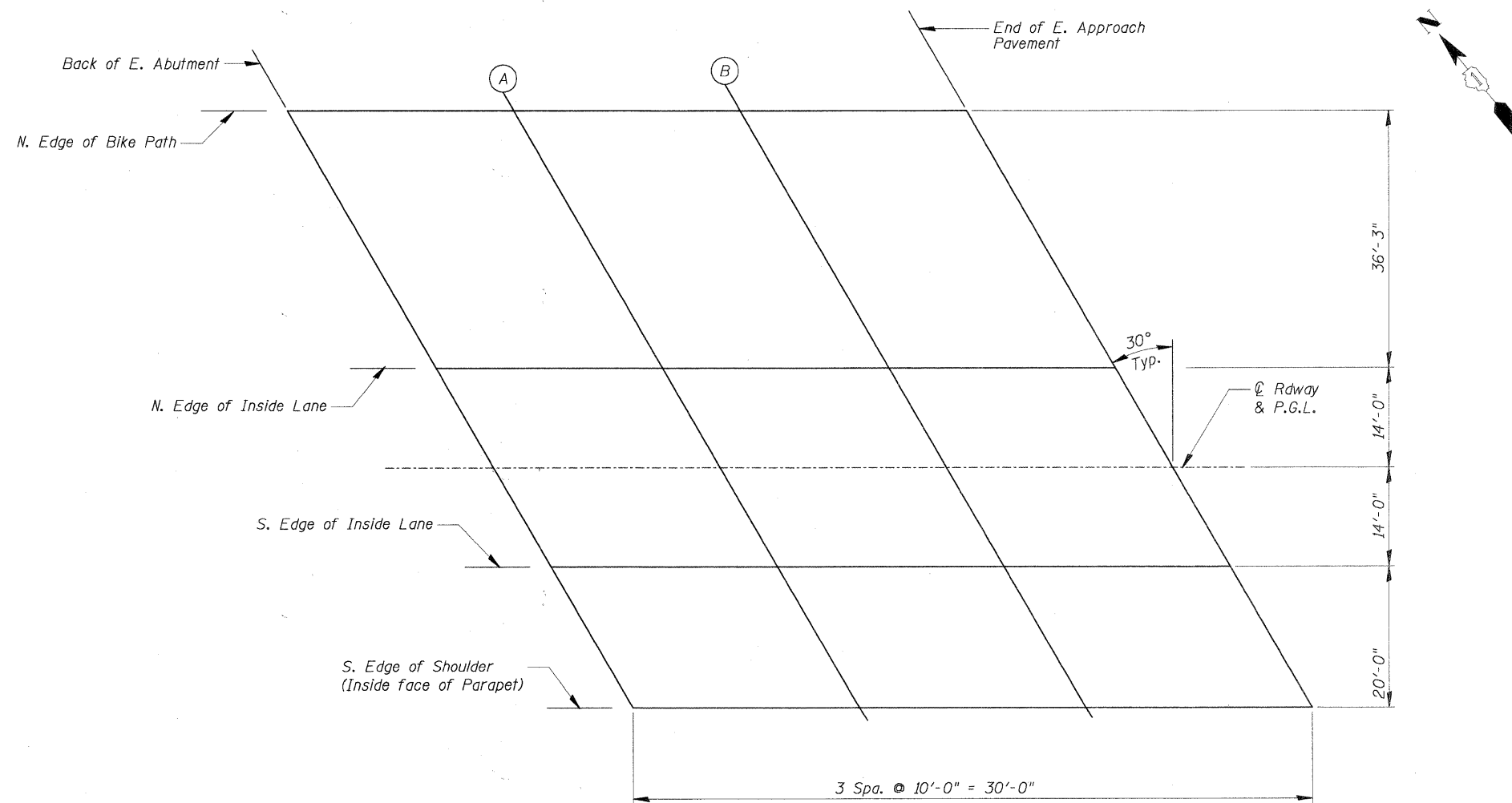
Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	136+27.882	0.00	897.851
A	136+37.882	0.00	897.819
B	136+47.882	0.00	897.782
End of E. Appr. Pav't.	136+57.882	0.00	897.738

S. EDGE OF INSIDE LANE

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	136+35.965	14.00	897.616
A	136+45.965	14.00	897.579
B	136+55.965	14.00	897.537
End of E. Appr. Pav't.	136+65.965	14.00	897.488

S. EDGE OF SHOULDER (INSIDE FACE OF PARAPET)

Location	Station	Offset	Theoretical Grade Elevations
Bk. E. Abut.	136+47.512	34.00	897.173
A	136+57.512	34.00	897.130
B	136+67.512	34.00	897.080
End of E. Appr. Pav't.	136+77.512	34.00	897.025



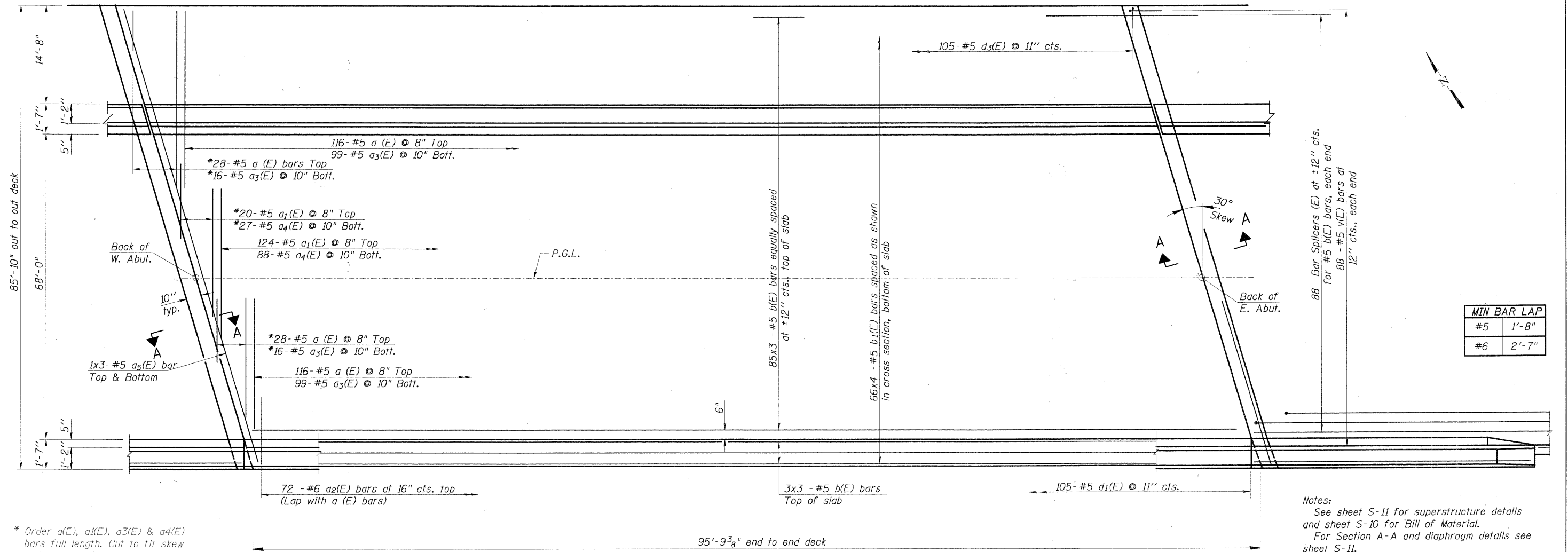
PLAN

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



F.A.S. 0130 -BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF EAST APPROACH SLAB ELEVATIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\24198\STRUCT_2\04198-S7.SHT		DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	44
PLOT SCALE = 1"		CHECKED - MM	REVISED -			CONTRACT NO. 63196				
PLOT DATE = 2/7/2011		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				
SHEET NO. S-7 OF S-21										

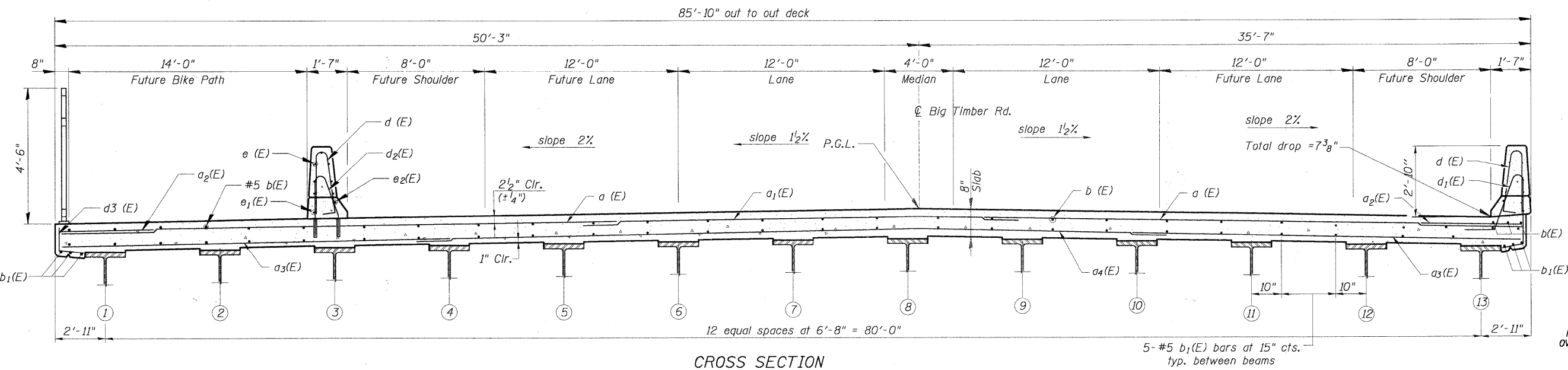


MIN BAR LAP	
#5	1'-8"
#6	2'-7"

Notes:
 See sheet S-11 for superstructure details and sheet S-10 for Bill of Material.
 For Section A-A and diaphragm details see sheet S-11.
 Reinforcement bars designated (E) shall be epoxy coated.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 See sheet S-9 & 10 for parapet reinforcement.

* Order a(E), a1(E), a3(E) & a4(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PLAN - SHOWING REINFORCEMENT

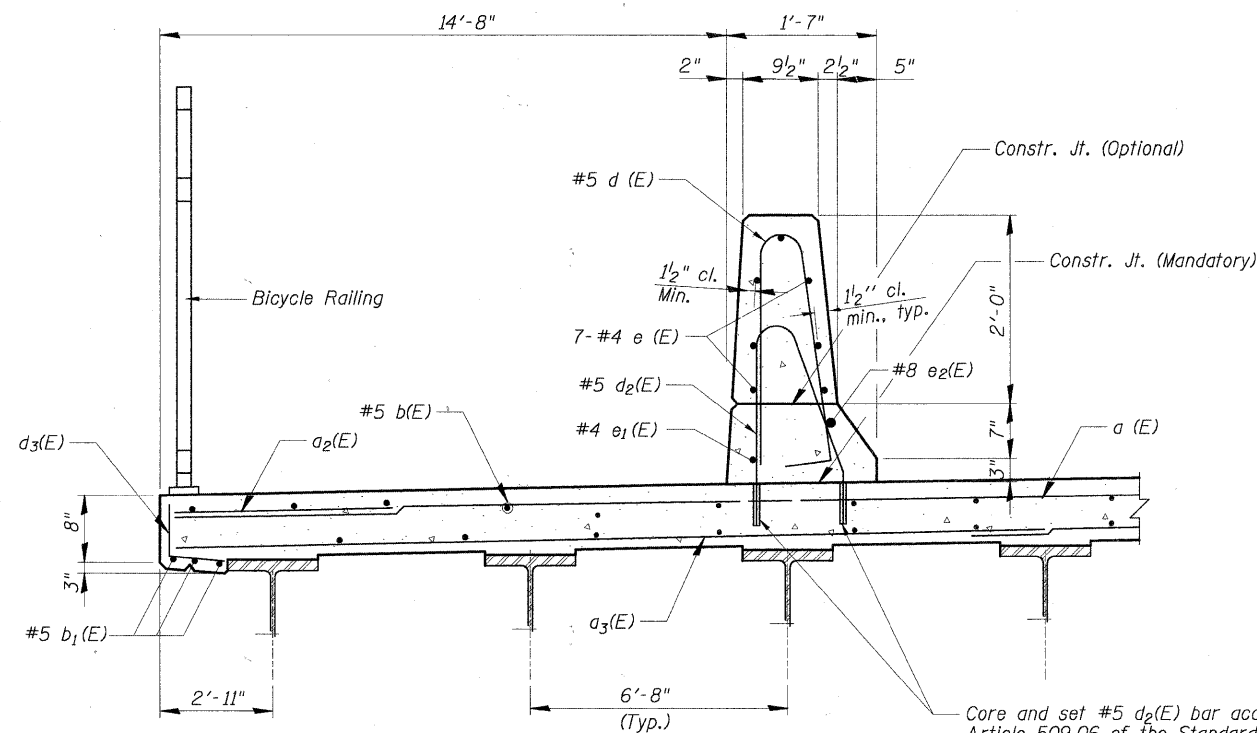


CROSS SECTION
(Looking East)

F.A.S. 0130 - BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

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

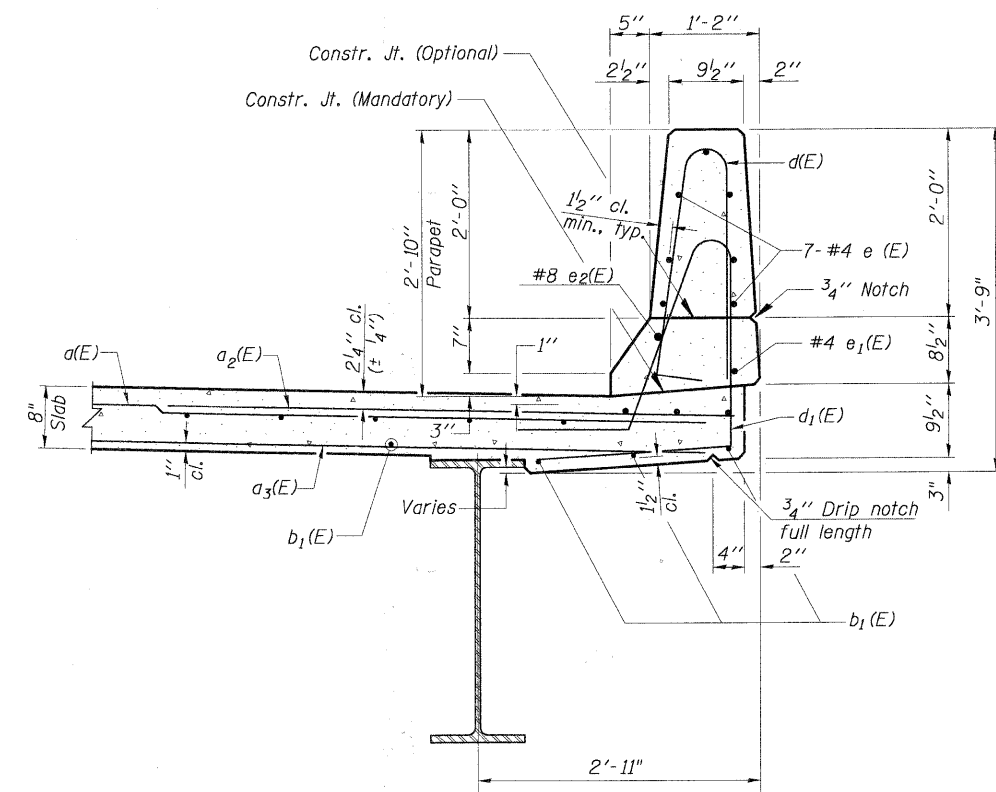
FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK PLAN AND CROSS SECTION	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\kanecounty\04198\STRUCT_2\04198-S8.SHT	PLOT SCALE = 1"	DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	45	
PLOT DATE = 2/7/2011	DATE -	CHECKED - MM	REVISED -			CONTRACT NO. 63196					
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043					



Reinforcement bars designated (E) shall be epoxy coated.
Reinforcement bars shall not pass thru aluminum sheets and cork joint filler.

Core and set #5 d₂(E) bar according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Cost of coring and setting of bars included in Cost of Reinforcement Bars, Epoxy Coated

SECTION NORTH PARAPET AND SIDEWALK

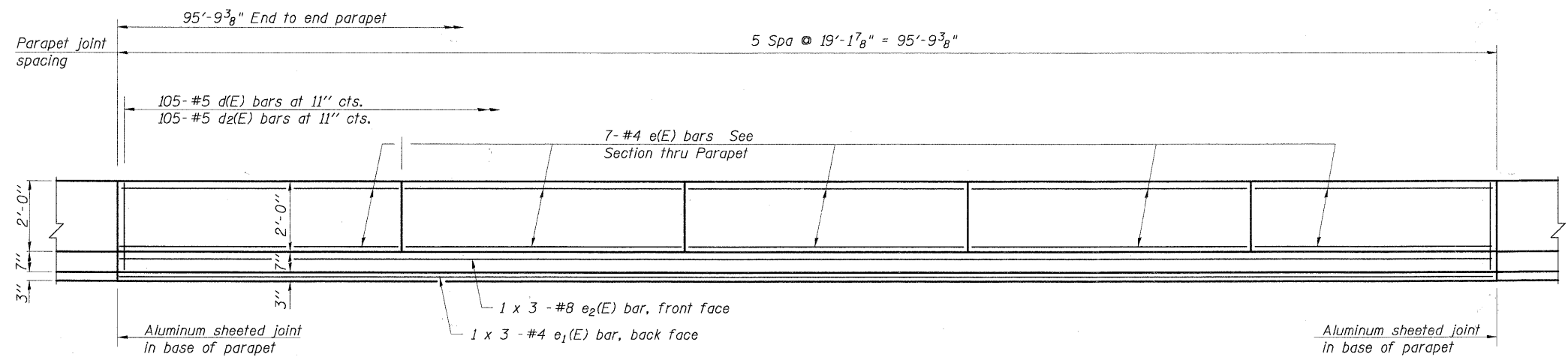


SECTION THRU PARAPET

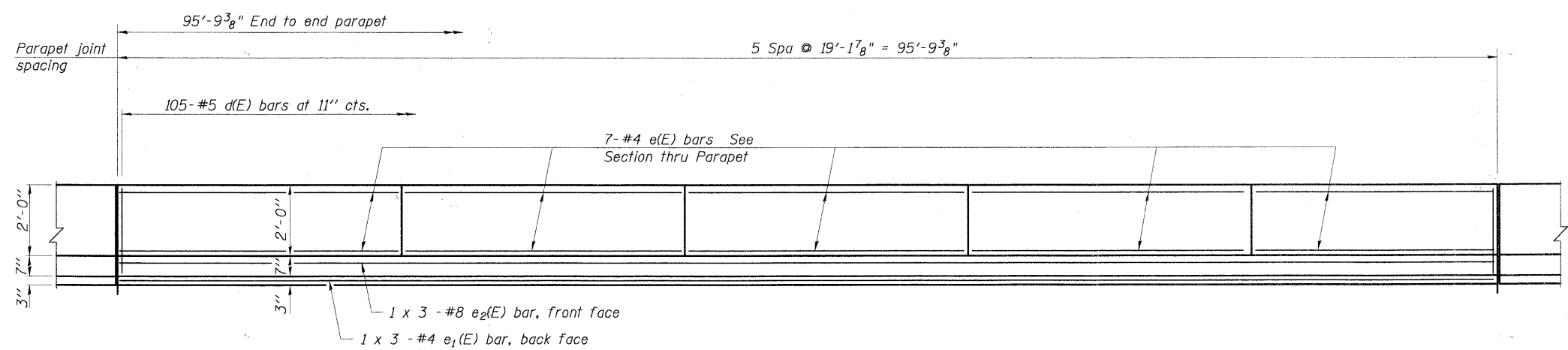
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

F.A.S. 0130 -BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARAPET DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\04198\STRUCT.2\04198-S9.SHT		DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	46
PLOT SCALE = 1"		CHECKED - MM	REVISED -			CONTRACT NO. 63196				
PLOT DATE = 2/7/2011		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80031043				
SHEET NO. S-9 OF S-21										

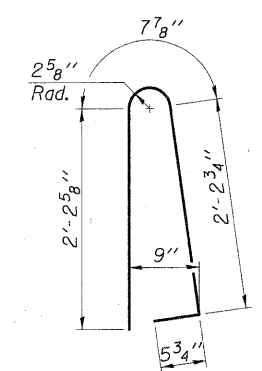


INSIDE ELEVATION OF NORTH PARAPET

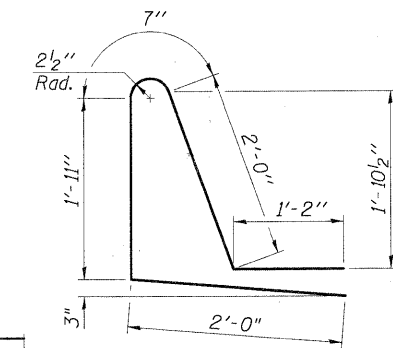


INSIDE ELEVATION OF SOUTH PARAPET

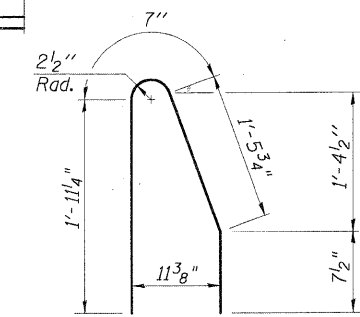
MINIMUM BAR LAP
 (Parapet)
 #4 bar = 1'-4"
 #8 bar = 3'-5"



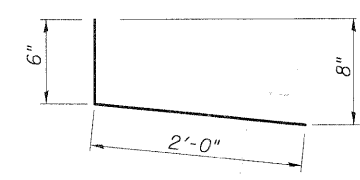
BAR d(E)



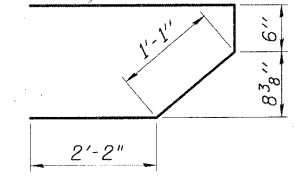
BAR d1(E)



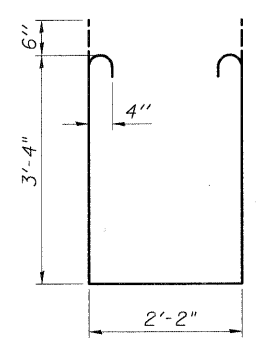
BAR d2(E)



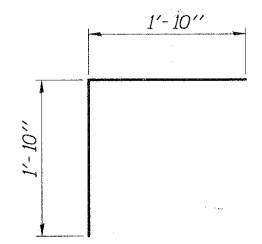
BAR d3(E)



BAR s(E)



BAR s1(E)

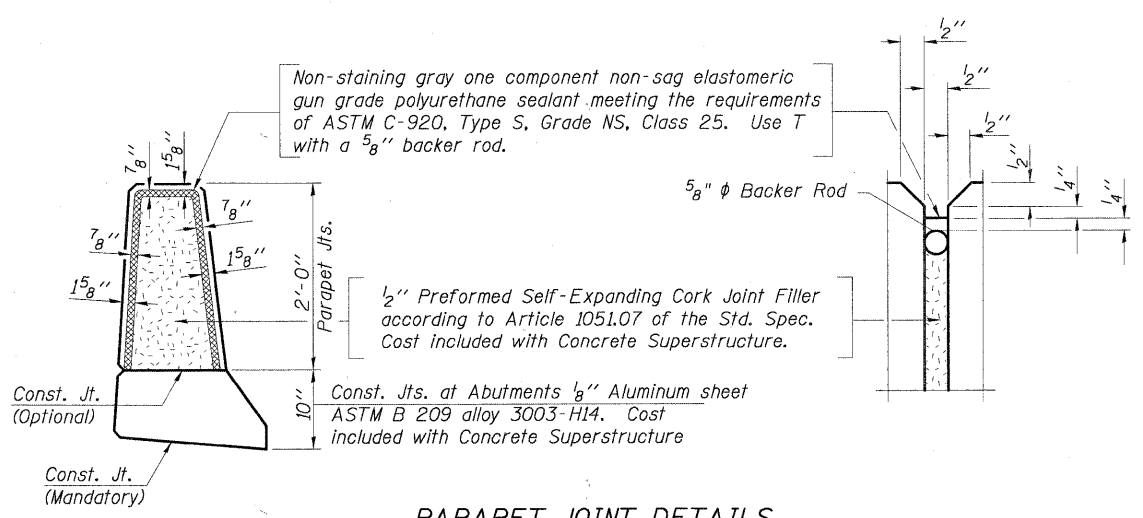


BAR v(E)

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	288	#5	32'-6"	—
a1(E)	144	#5	23'-6"	—
a2(E)	144	#6	6'-6"	—
a3(E)	230	#5	24'-3"	—
a4(E)	115	#5	40'-0"	—
a5(E)	12	#5	34'-6"	—
b(E)	264	#5	33'-0"	—
b1(E)	264	#5	25'-3"	—
d(E)	210	#5	5'-7"	U
d1(E)	105	#5	7'-10"	U
d2(E)	105	#5	4'-8"	U
d3(E)	105	#5	2'-6"	U
e(E)	70	#4	18'-9"	—
e1(E)	6	#4	32'-10"	—
e2(E)	6	#8	34'-3"	—
m(E)	12	#6	34'-9"	—
m1(E)	18	#6	35'-3"	—
m2(E)	52	#6	11'-0"	—
m3(E)	24	#6	7'-5"	—
m4(E)	4	#6	3'-0"	—
s(E)	204	#5	6'-9"	⊏
s1(E)	180	#4	9'-10"	⊏
v(E)	176	#5	3'-8"	⊏
Reinforcement Bars, Epoxy Coated			Pound	52,220
Concrete Superstructure			Cu. Yds.	299.1
Bar Splicers			Each	176

Bars indicated thus 1 x 3 -#5 etc. indicates 1 line of bars with 3 lengths per line.



PARAPET JOINT DETAILS

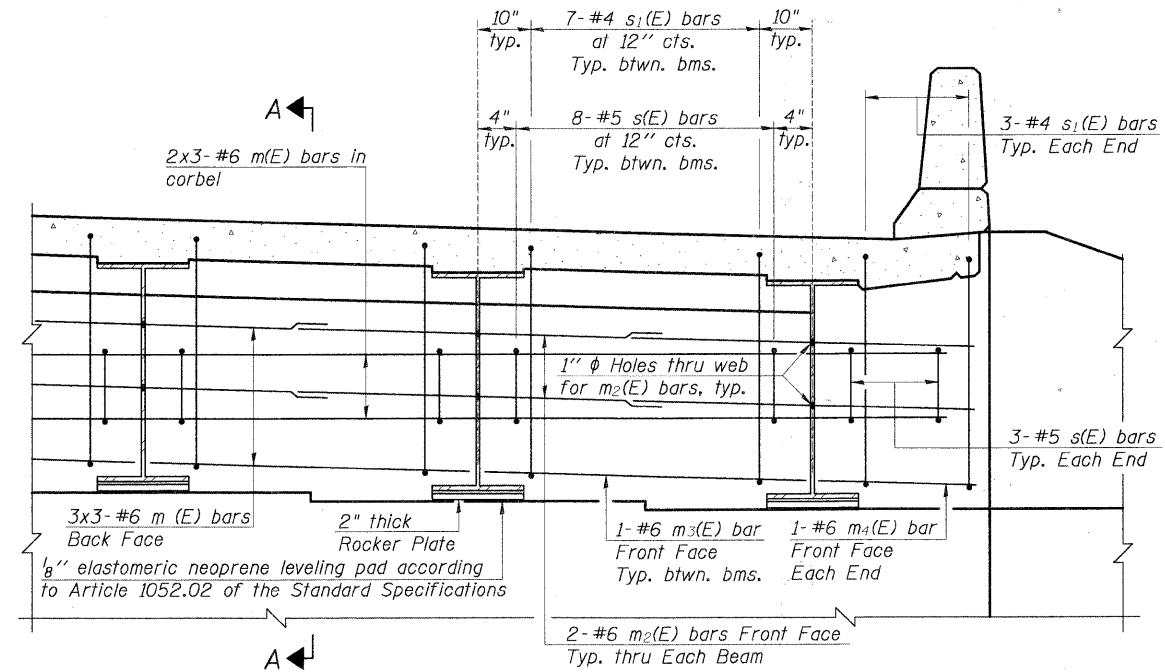
F.A.S. 0130 -BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\04198\STRUCT_2\04198-S10.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1'	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PARAPET DETAILS
 SHEET NO. S-10 OF S-21

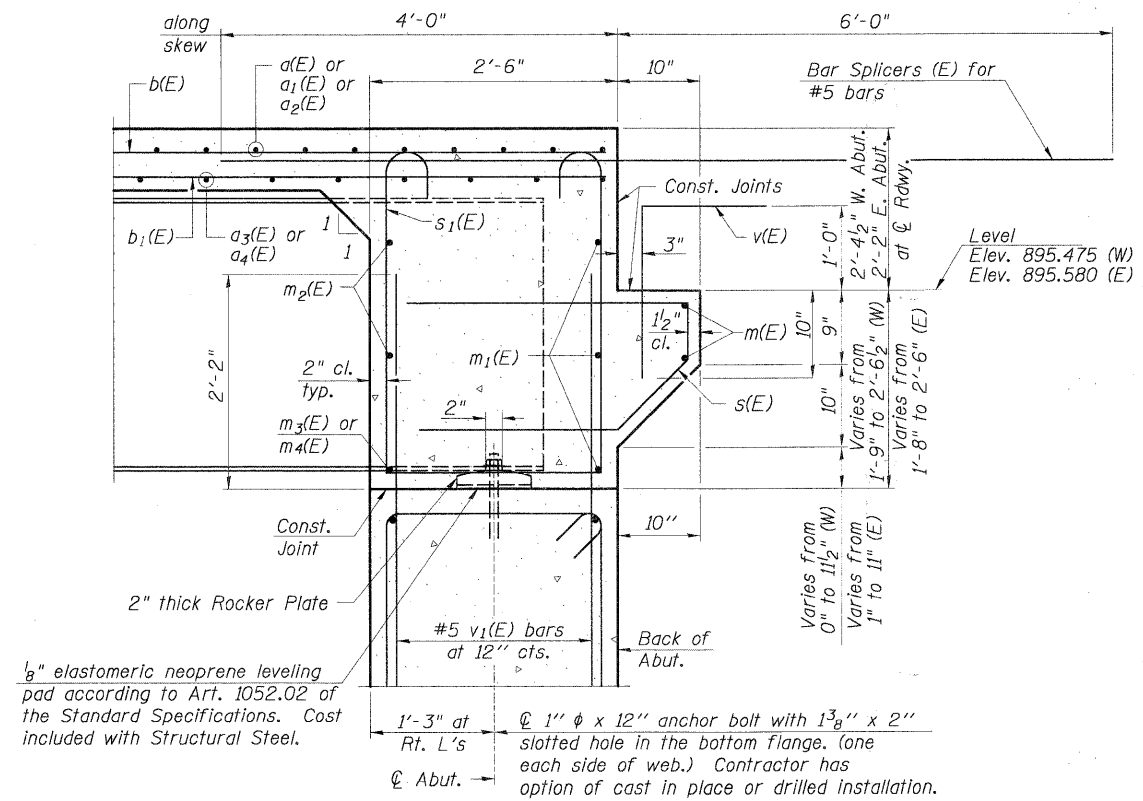
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	47
CONTRACT NO. 63196			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80030431	



DIAPHRAGM ELEVATION AT ABUTMENT

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet S-10.
 Concrete in diaphragm is included with Concrete Superstructure on sheet S-10.
 For details of bars s(E) & s1(E) see sheet S-10.
 The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP
 #6 bar = 3'-4"



SECTION A-A

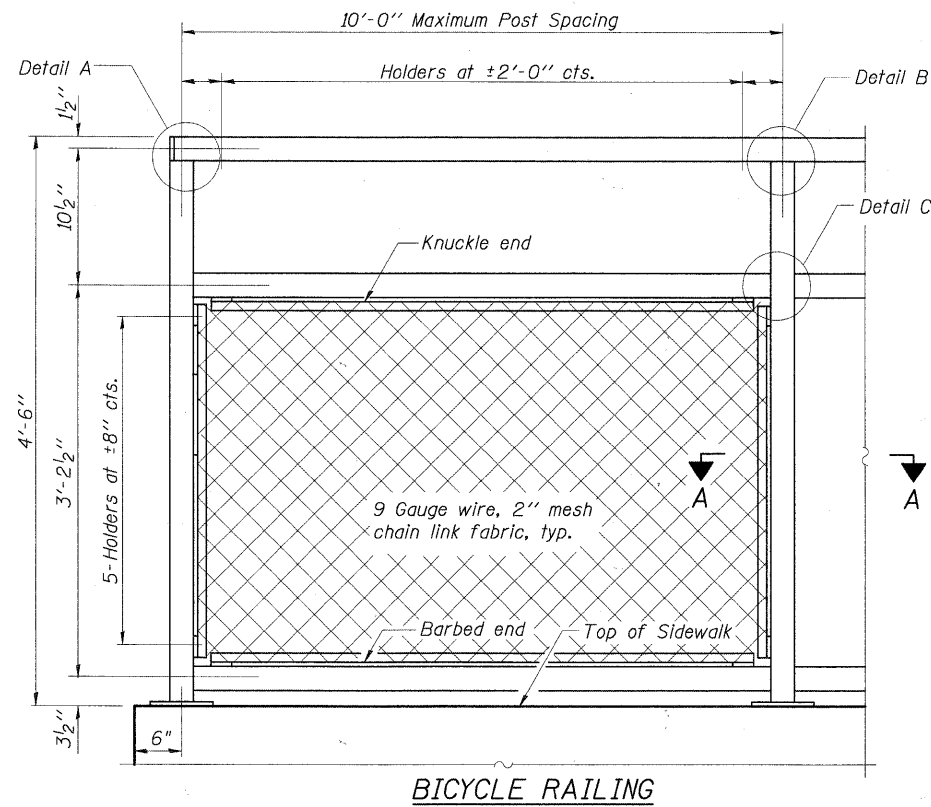
Dimensions at right angles to abutment, except as shown.

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



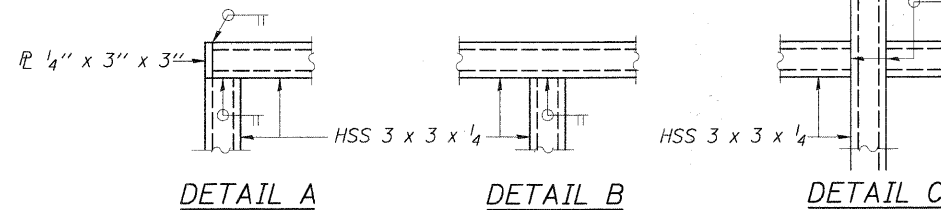
F.A.S. 0130 -BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\B4198\STRUCT_2\B4198-S11.SHT		DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	48
PLOT SCALE = 1"		CHECKED - MM	REVISED -			CONTRACT NO. 63196				
PLOT DATE = 2/7/2011		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043				
SHEET NO. S-11 OF S-21										

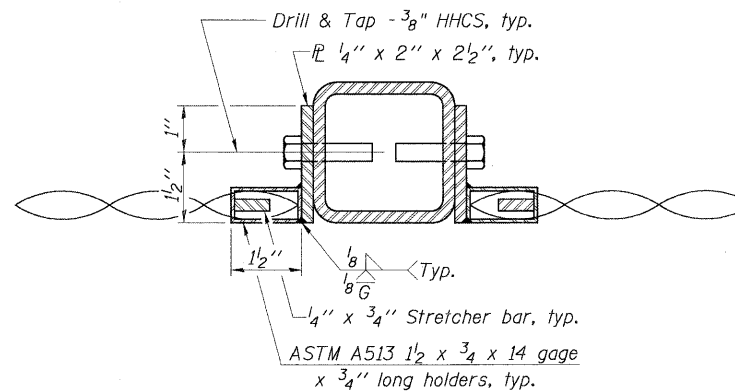


BICYCLE RAILING

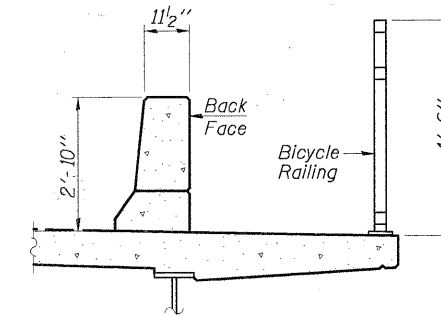
Contractor To Space Posts To Avoid Parapet Joint.



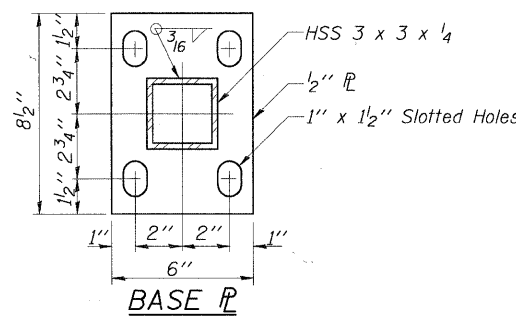
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



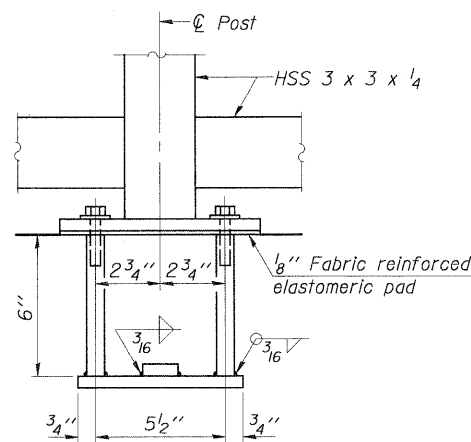
SECTION A-A



SECTION THRU DECK

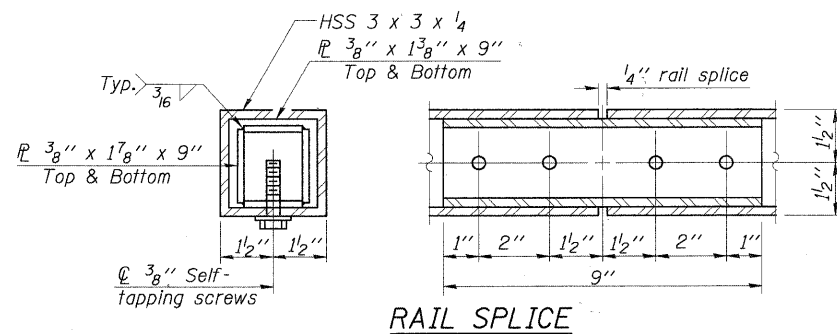
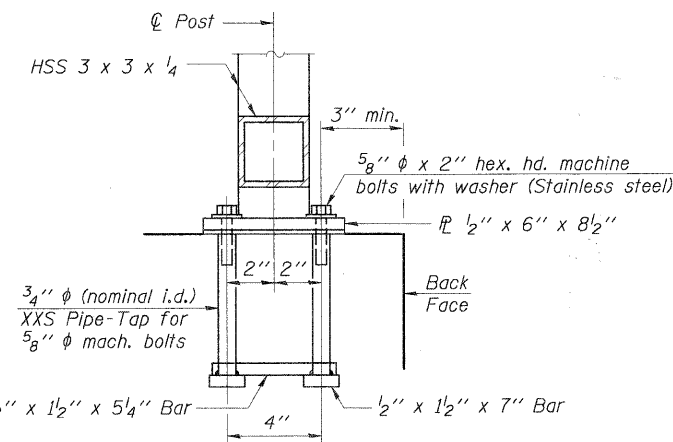


BASE PL



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



RAIL SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	156

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



FILE NAME =	USER NAME = BBLIKE	DESIGNED - MM	REVISED -
N:\kane\county\04198\STRUCT_2\04198-512.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1'	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

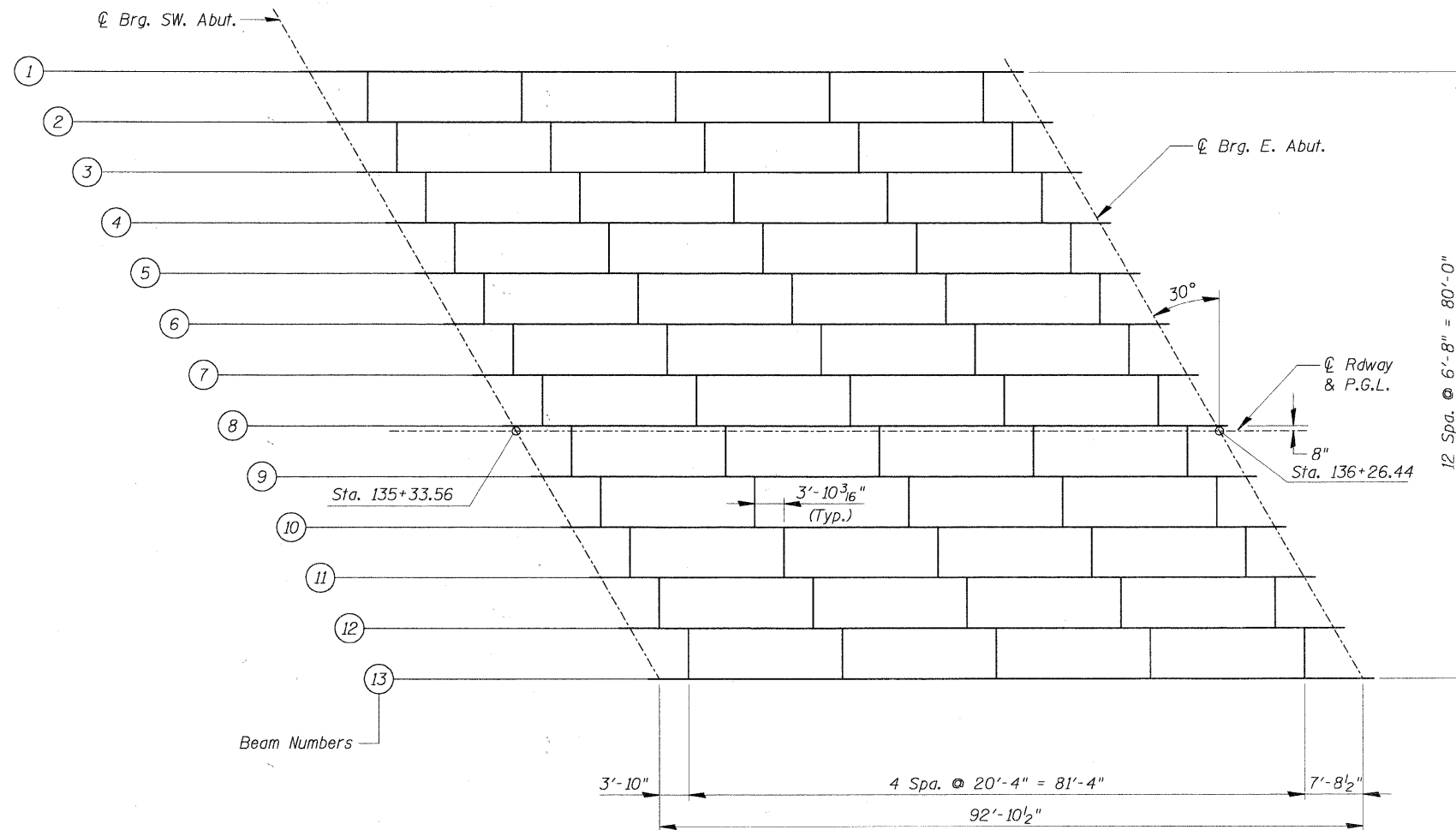
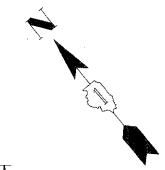
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING

SHEET NO. S-12 OF S-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	49
				CONTRACT NO. 63196
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-800310431				

F.A.S. 0130 -BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323



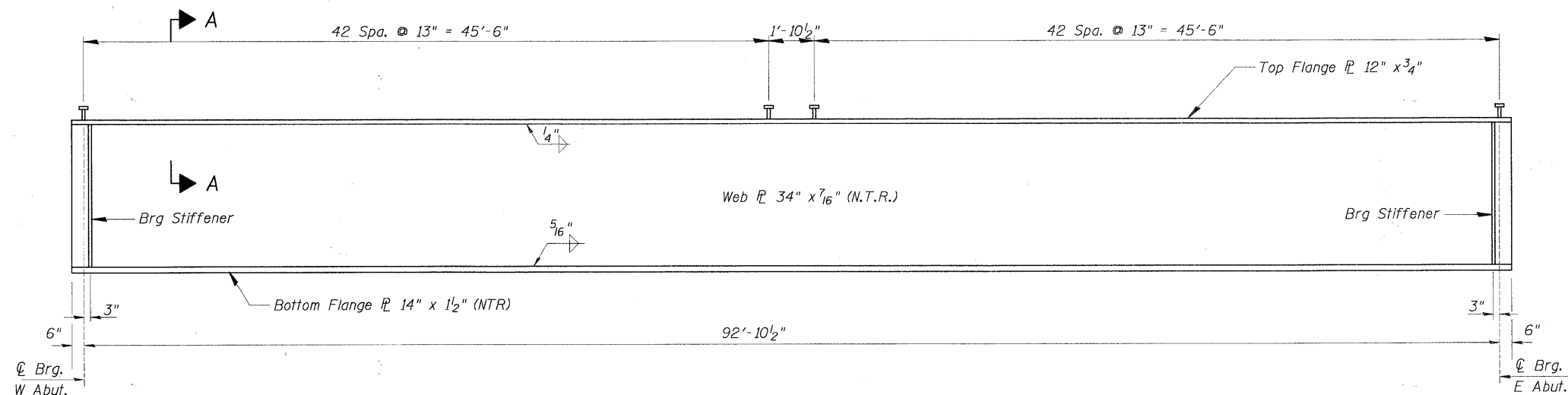
TOP OF WEB ELEVATIONS
(For Fabrication use only)

Beam	W. Abut.	E. Abut.
1	896.068	896.220
2	896.218	896.348
3	896.367	896.476
4	896.515	896.603
5	896.662	896.728
6	896.808	896.853
7	896.920	896.944
8	897.032	897.034
9	896.962	896.943
10	896.872	896.831
11	896.753	896.691
12	896.628	896.544
13	896.501	896.396

NOTES:

1. N.T.R. designates members subject to the supplemental requirements for notch toughness (Zone 2).
2. All structural steel for 34" plate girder beams shall be AASHTO M270 Grade 50.
3. Structural steel for diaphragms can be AASHTO M270 Grade 36.
3. Number of Shear Studs required = 3,354

FRAMING PLAN



GIRDER ELEVATION

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



F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FRAMING PLAN AND DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\kanecounty\04198\STRUCT.2\04198-S13.SHT		DRAWN - PDR	REVISED -			0130	01-00266-00-BR	KANE	70	50
PLOT SCALE = 1"		CHECKED - MM	REVISED -			CONTRACT NO. 63196				
PLOT DATE = 2/7/2011		DATE -	REVISED -			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80031043				

MOMENT AND REACTION TABLES

INTERIOR GIRDER MOMENT TABLE		0.5 Sp.
I_s	(in ⁴)	9,727
I_c (n)	(in ⁴)	29,532
I_c (3n)	(in ⁴)	20,805
S_s	(in ³)	711
S_c (n)	(in ³)	985
S_c (3n)	(in ³)	910
Z	(in ³)	
$\bar{\rho}$	(k/ft.)	0.85
$M\bar{\rho}$	(k)	917
$s\bar{\rho}$	(k/ft.)	0.35
$M_s\bar{\rho}$	(k)	378
$M\bar{L}$	(k)	844
M (Imp)	(k)	193
$\bar{S}_2[M\bar{L} + M(\text{Imp})]$	(k)	1,730
M_a	(k)	3,931
* M_u	(k)	4,509
$f_s\bar{\rho}$ non-comp (k.s.i.)		15.5
$f_s\bar{\rho}$ (comp) (k.s.i.)		5.0
$f_s\bar{S}_2$ (k + Imp) (k.s.i.)		12.6
f_s (Overload) (k.s.i.)		41.5
* f_s (Total) (k.s.i.)		54.0
VR	(k)	54.0

INTERIOR GIRDER REACTION TABLE		
	W. Abut.	E. Abut.
R $\bar{\rho}$	(k)	55.7
R \bar{L}	(k)	43.9
Imp.	(k)	10.1
R (Total)	(k)	109.7

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total and Overload) due to non-composite dead loads (in⁴ and in³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total and Overload) due to short-term composite live loads (in⁴ and in³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total and Overload) due to long-term composite (superimposed) dead loads (in⁴ and in³).

Z: Plastic Section Modulus of the steel section in non-composite areas (in³).

$\bar{\rho}$: Un-factored non-composite dead load (kips/ft.).

$M\bar{\rho}$: Un-factored moment due to non-composite dead load (kip-ft.).

$s\bar{\rho}$: Un-factored long-term composite (superimposed) dead load (kips/ft.).

$M_s\bar{\rho}$: Un-factored moment due to long-term composite (superimposed) dead load (kip-ft.).

$M\bar{L}$: Un-factored live load moment (kip-ft.).

M (Imp): Un-factored moment due to impact (kip-ft.).

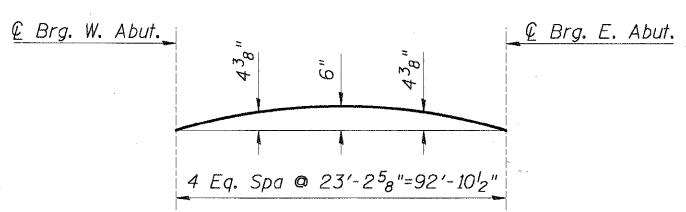
M_a : Factored design moment (kip-ft.).

M_u : Compact composite moment capacity according to AASHTO LFD 10.50.1.1. or compact non-composite moment capacity according to AASHTO LFD 10.48.1 (kip-ft.).

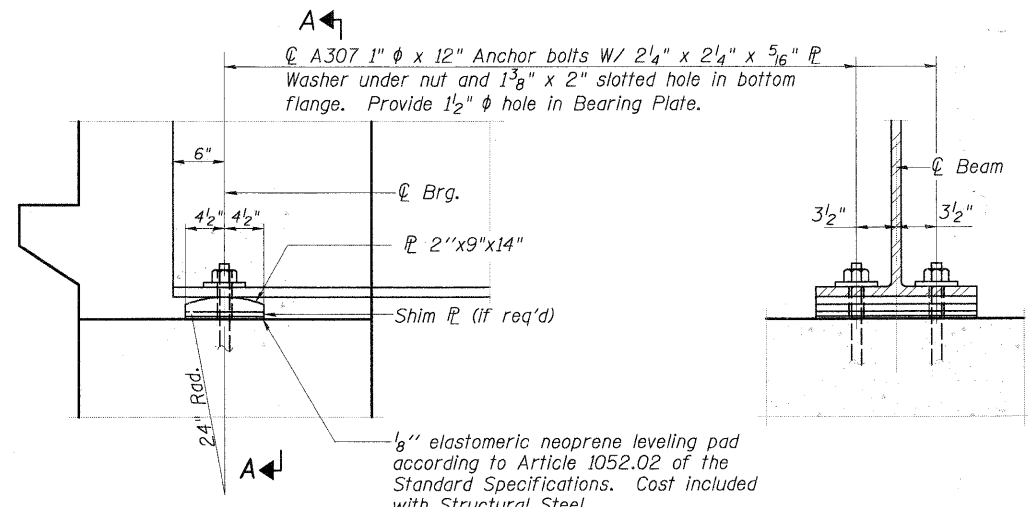
f_s (Overload): Sum of stresses as computed from the moments below (ksi).

f_s (Total): Sum of stresses as computed from the moments below on non-compact section (ksi).

VR: Maximum \bar{L} + impact horizontal shear range within the composite portion of the span for stud shear connector design (kips).



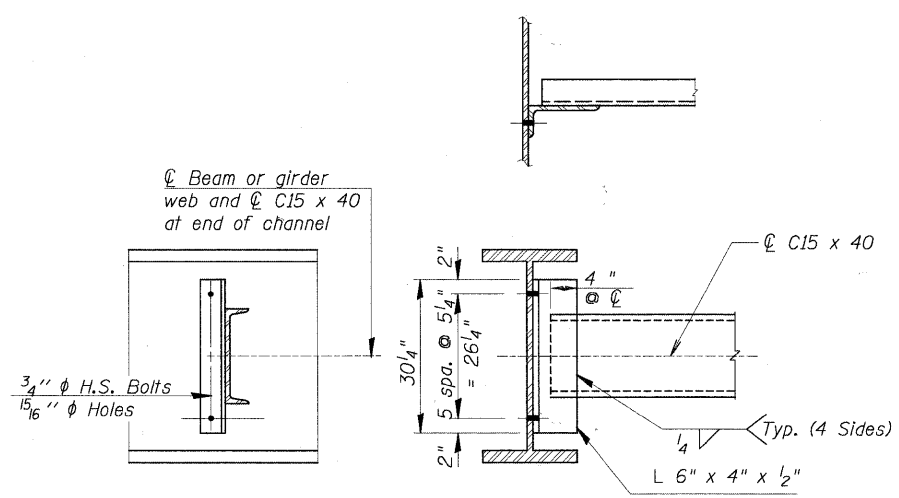
CAMBER DIAGRAM



ELEVATION

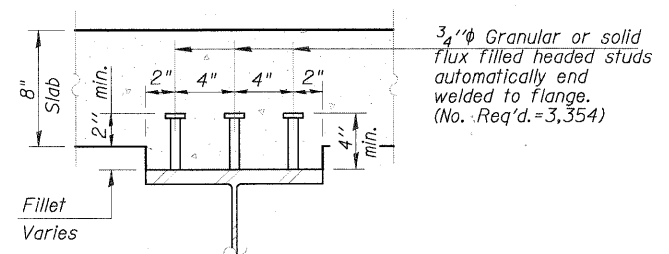
SECTION A-A

BEARING DETAILS

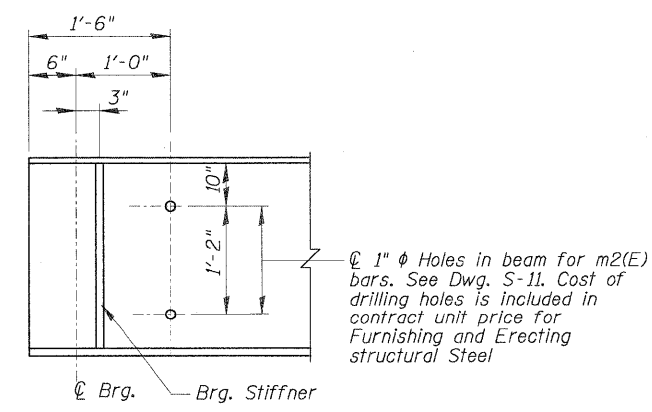


INTERIOR DIAPHRAGM

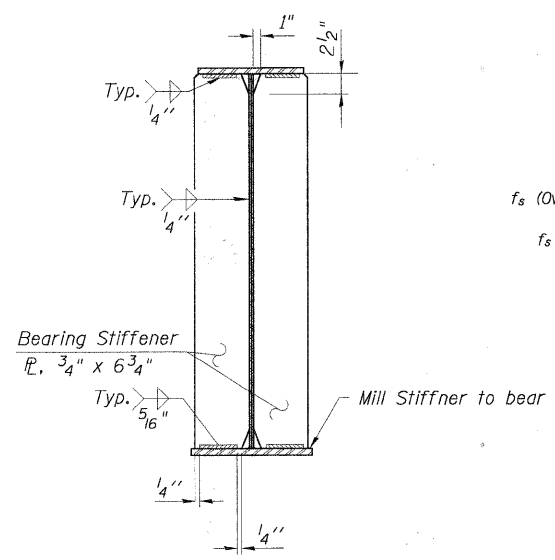
Note:
Two hardened washers shall be required over all oversize holes for diaphragms.



SECTION A-A



TYPICAL END OF BEAM ELEVATION



BEARING STIFFNER DETAIL

CHRISTOPHER B. BURKE ENGINEERING, LTD.
8575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0600



FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\B4198\STRUCT.2\B4198-S14.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1"	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

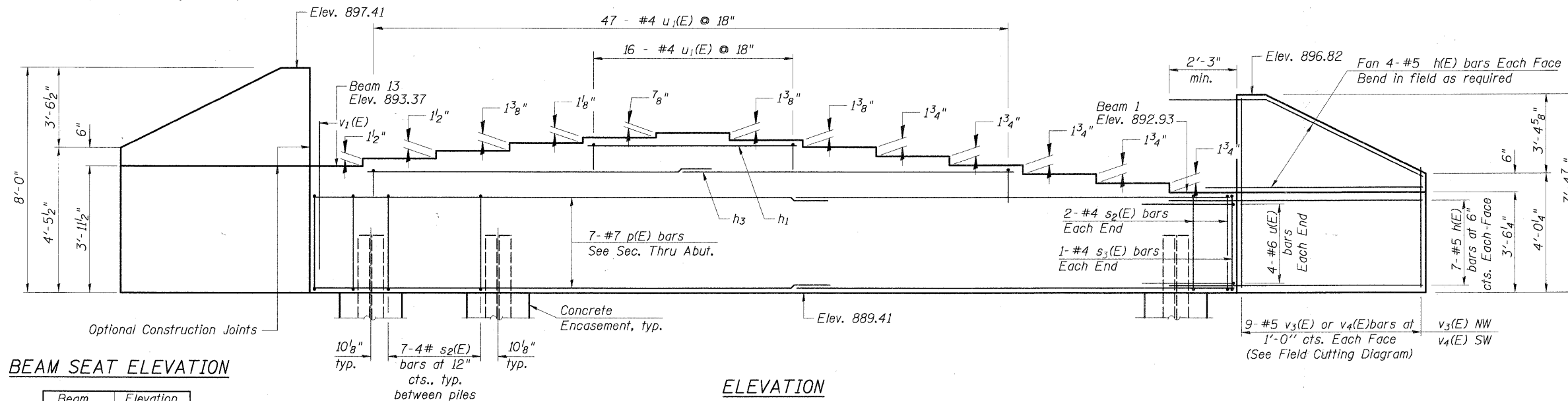
STEEL DETAILS

SHEET NO. S-14 OF S-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	51
				CONTRACT NO. 63196
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-8003043				

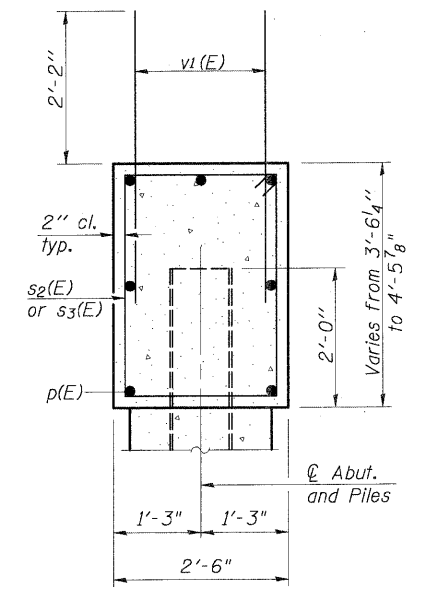
F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

Note: Four steps monolithically with cap.



BEAM SEAT ELEVATION

ELEVATION



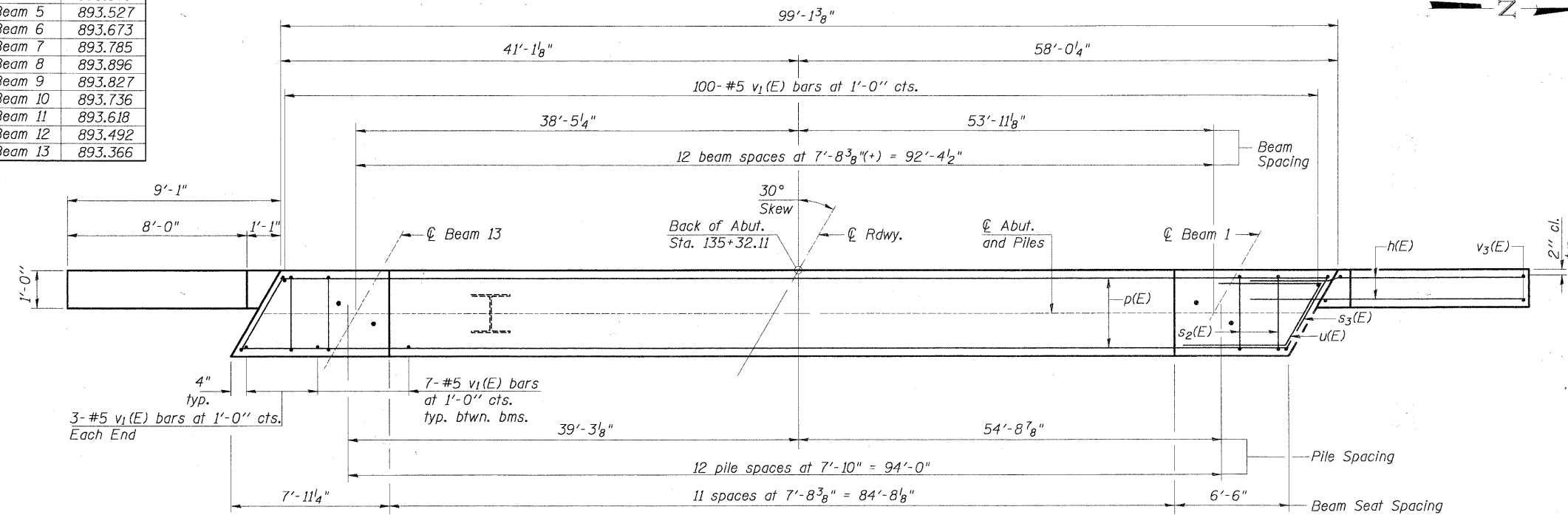
SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	44	#5	11'-4"	—
h ₁ (E)	2	#5	22'-9"	—
h ₃ (E)	4	#5	35'-6"	—
p(E)	21	#7	35'-7"	—
s ₂ (E)	88	#4	11'-5"	□
s ₃ (E)	2	#4	12'-1"	□
u(E)	8	#6	7'-11"	—
u ₁ (E)	63	#4	3'-8"	—
v ₁ (E)	190	#5	4'-4"	—
v ₃ (E)	9	#5	10'-9"	—
v ₄ (E)	9	#5	11'-9"	—
Concrete Structures	Cu. Yd.	41.50		
Reinforcement Bars, Epoxy Coated	Pound	4250		
Structure Excavation	Cu. Yd.	110		
Furnishing Steel Piles HP12x53	Foot	792		
Driving Piles	Foot	792		
Test Pile HP12x53	Each	1		
Concrete Encasement	Cu. Yd.	4.5		
Anchor Bolts, 1"	Each	26		

NOTE: Welded Wire Fabric Around Pile is Included In Cost of "Concrete Encasement".

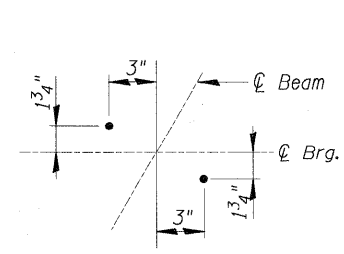
Beam	Elevation
Beam 1	892.932
Beam 2	893.082
Beam 3	893.231
Beam 4	893.379
Beam 5	893.527
Beam 6	893.673
Beam 7	893.785
Beam 8	893.896
Beam 9	893.827
Beam 10	893.736
Beam 11	893.618
Beam 12	893.492
Beam 13	893.366



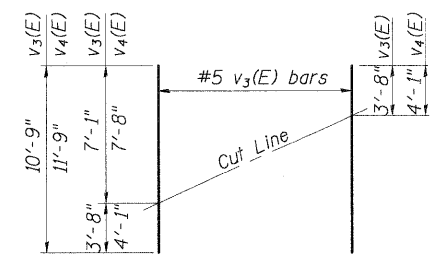
PLAN

PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: 360 kips
 Factored Resistance Available: 120 kips
 Est. Length: 66 ft.
 No. Production Piles: 12
 No. Test Piles: 1

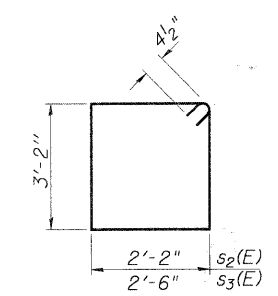


ANCHOR BOLT LAYOUT

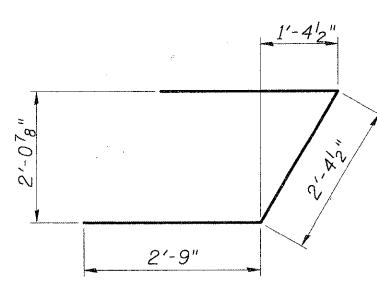


FIELD CUTTING DIAGRAM

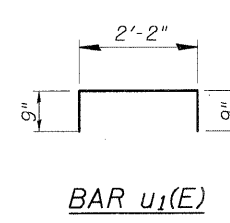
Order v₃(E) & v₄(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s₂(E) & s₃(E)



BAR u(E)



BAR u₁(E)

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 5675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0500

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
H:\kanecounty\B4198\STRUCT.2\B4198-S15.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1'	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

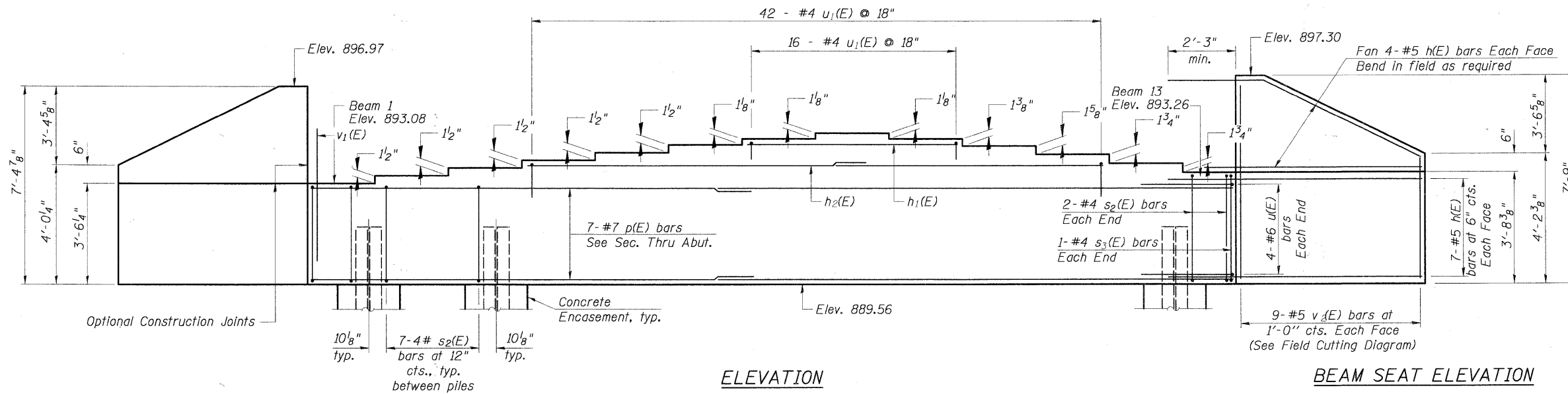
WEST ABUTMENT DETAILS

SHEET NO. 5-15 OF 5-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	52
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80031043				

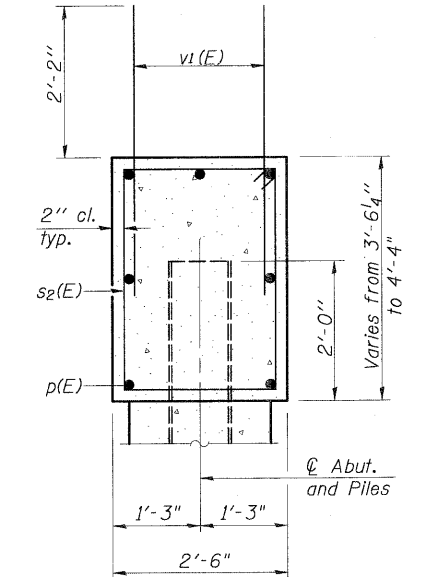
F.A.S. 0130 - BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

Note: Pour steps monolithically with cap.



ELEVATION

BEAM SEAT ELEVATION



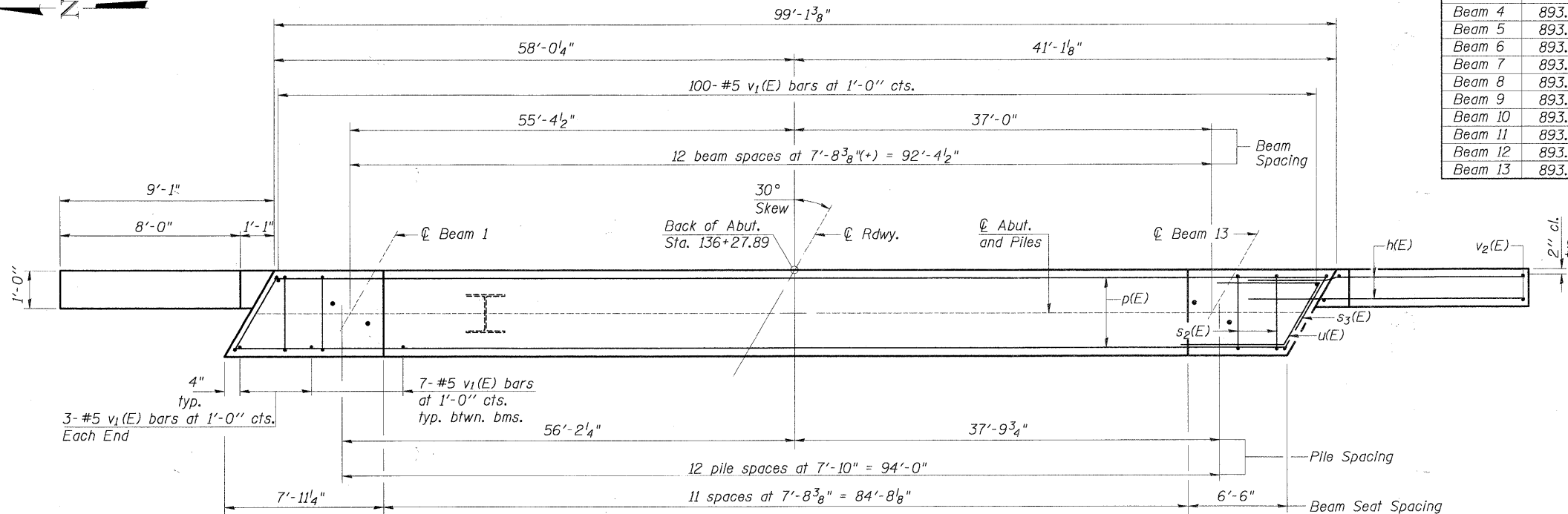
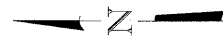
SEC. THRU ABUT.

Beam	Elevation
Beam 1	893.084
Beam 2	893.213
Beam 3	893.341
Beam 4	893.467
Beam 5	893.593
Beam 6	893.718
Beam 7	893.809
Beam 8	893.898
Beam 9	893.807
Beam 10	893.695
Beam 11	893.556
Beam 12	893.409
Beam 13	893.261

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	44	#5	11'-4"	—
h1(E)	2	#5	22'-9"	—
h2(E)	4	#5	31'-8"	—
p(E)	21	#7	35'-7"	—
s2(E)	88	#4	11'-5"	□
s3(E)	2	#4	12'-1"	□
u(E)	8	#6	7'-11"	—
u1(E)	58	#4	3'-8"	—
v1(E)	190	#5	4'-4"	—
v2(E)	18	#5	10'-11"	—
Concrete Structures	Cu. Yd.	40.30		
Reinforcement Bars, Epoxy Coated	Pound	4210		
Structure Excavation	Cu. Yd.	110		
Furnishing Steel	Foot	852		
Piles HP12x53	Foot	852		
Driving Piles	Foot	852		
Test Pile HP12x53	Each	1		
Concrete Encasement	Cu. Yd.	4.5		
Anchor Bolts, 1"	Each	26		

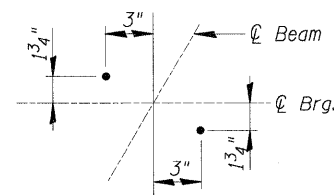
NOTE: Welded Wire Fabric Around Pile is Included In Cost of "Concrete Encasement".



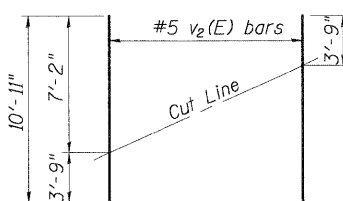
PLAN

PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: 360 kips
 Allowable Resistance Available: 120 kips
 Est. Length: 71 ft.
 No. Production Piles: 12
 No. Test Piles: 1

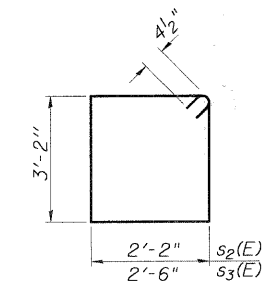


ANCHOR BOLT LAYOUT

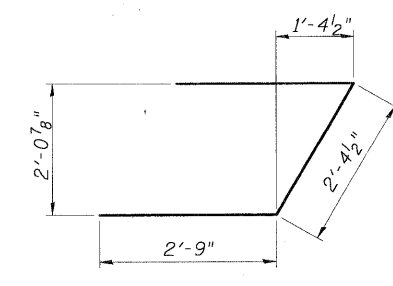


FIELD CUTTING DIAGRAM

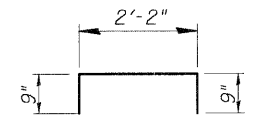
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E) & s3(E)



BAR u(E)



BAR u1(E)

F.A.S. 0130 - BIG TIMBER ROAD OVER TYLER AND PINGREE CREEK SECTION 01-00266-00-BR KANE COUNTY, ILLINOIS STA. 135+80.00 STRUCTURE NO. 045-3232

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

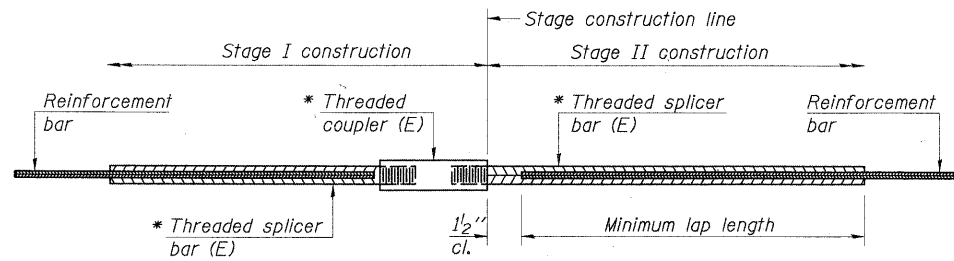


FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\84198\STRUCT_2\84198-516.SHT		DRAWN - PDR	REVISED -
		CHECKED - MM	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS
 SHEET NO. S-16 OF S-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	53
CONTRACT NO. 63196			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030433	



STANDARD BAR SPLICER ASSEMBLY

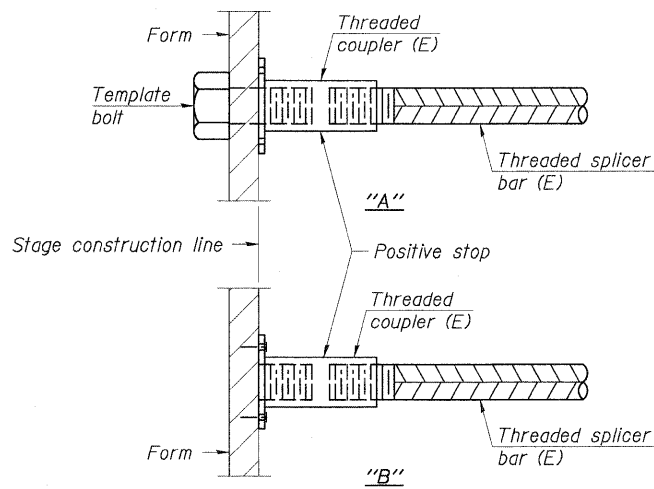
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

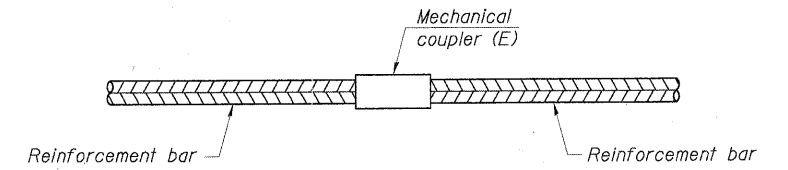
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



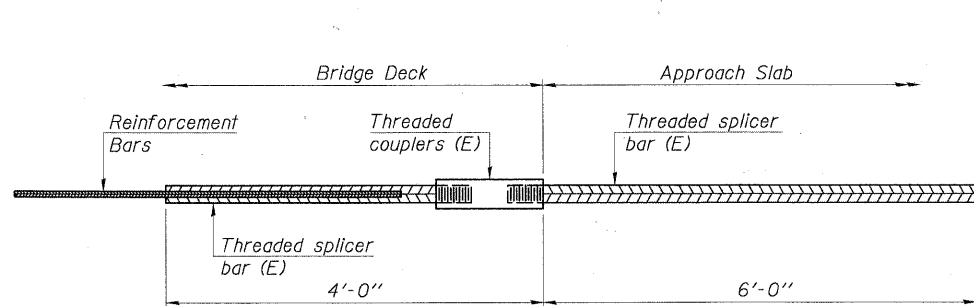
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



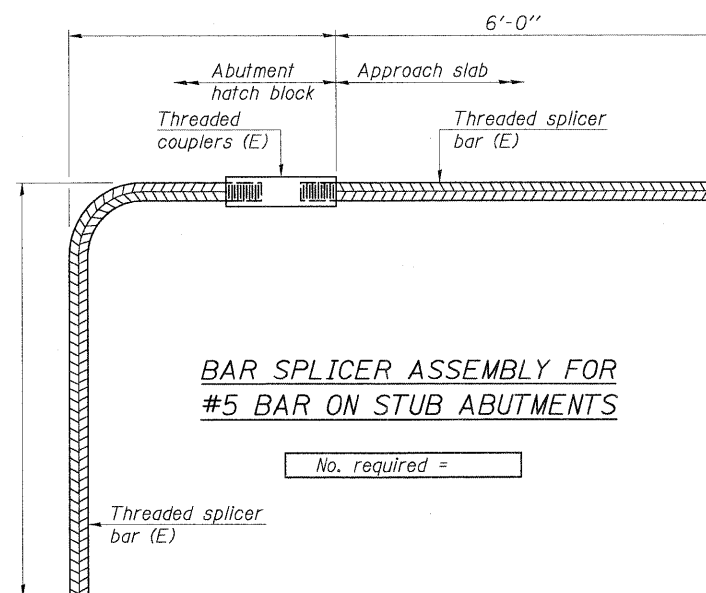
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 176



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

F.A.S. 0130 - BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

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



FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\04198\STRUCT.2\04198-517.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1"	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

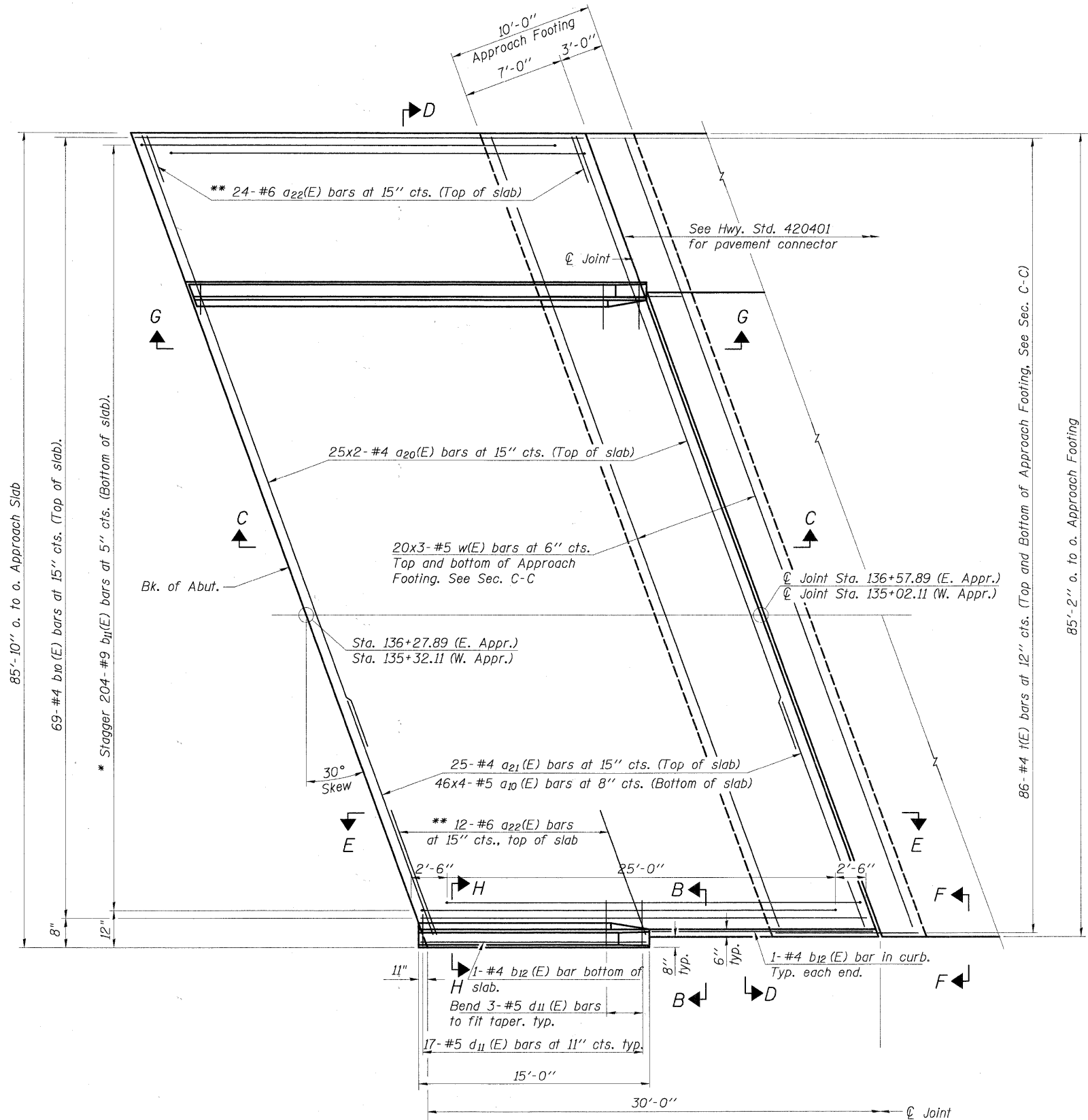
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS

SHEET NO. S-17 OF S-21

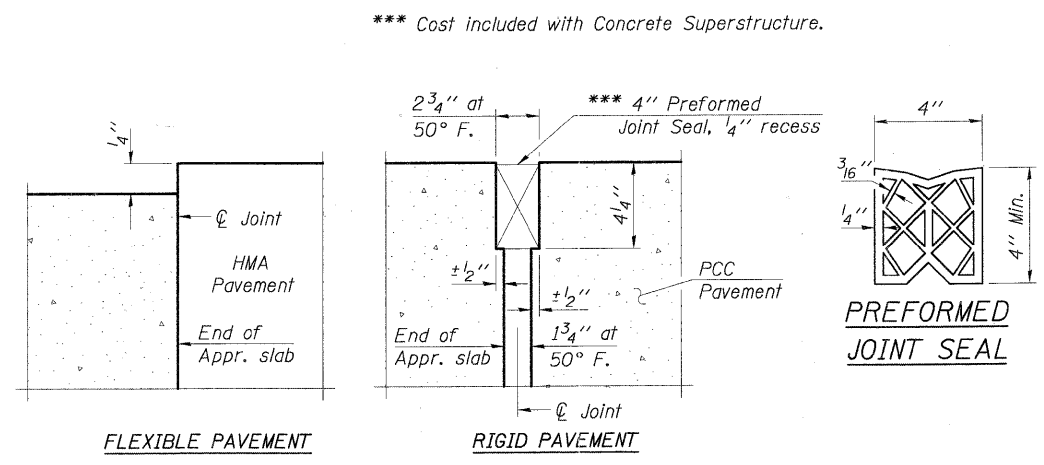
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	54
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

Notes:
See sheet S-19 for Sections C-C & D-D and View E-E.
All $a_n(E)$ bars spacings measured along ϕ Rdwy.

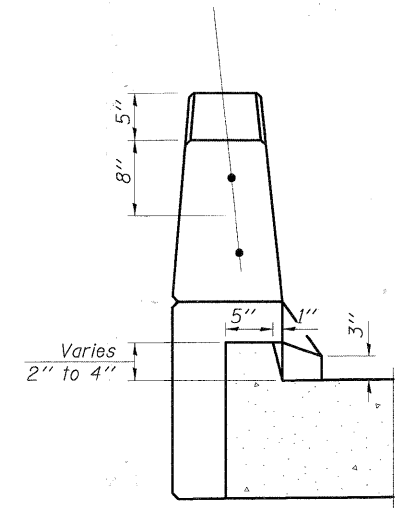


PLAN-EAST APPROACH SLAB (MIRROR FOR WEST APPROACH)

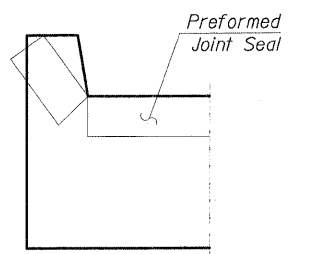
* Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.
** Space between $a_{20}(E)$ and $a_{21}(E)$ bars.



DETAIL A



VIEW B-B



VIEW F-F

MIN. BAR LAP	
#4	1'-4"
#5	1'-8"
#6	2'-7"

CHRISTOPHER B. BURKE ENGINEERING, LTD.
3575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 923-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\04198\STRUCT.2\04198-S18.SHT		DRAWN - PDR	REVISED -
PLOT SCALE = 1"		CHECKED - MM	REVISED -
PLOT DATE = 2/7/2011		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS

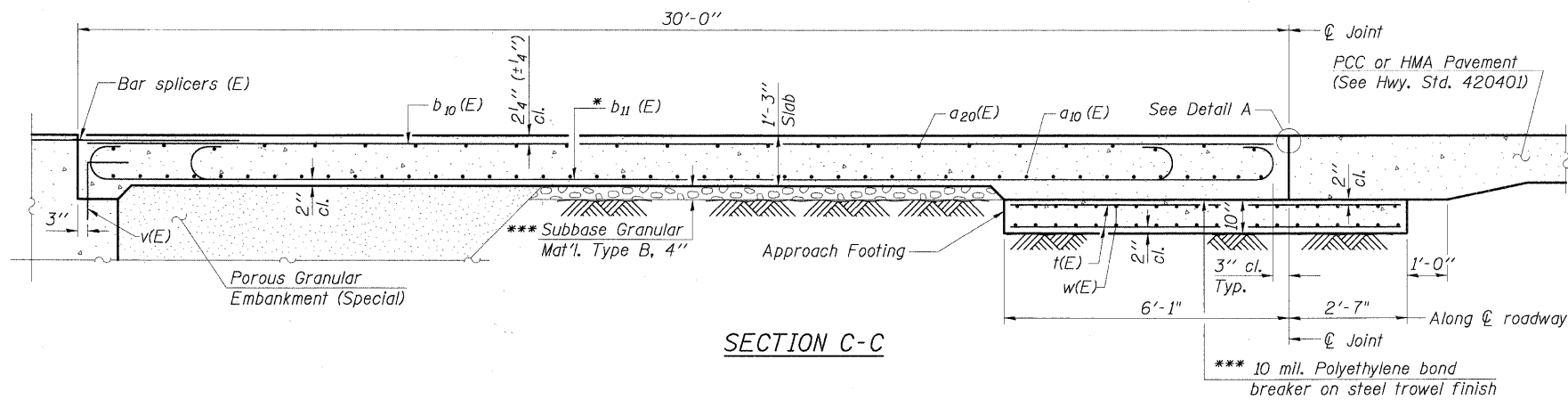
SHEET NO. S-18 OF S-21

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	55
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-80031043				

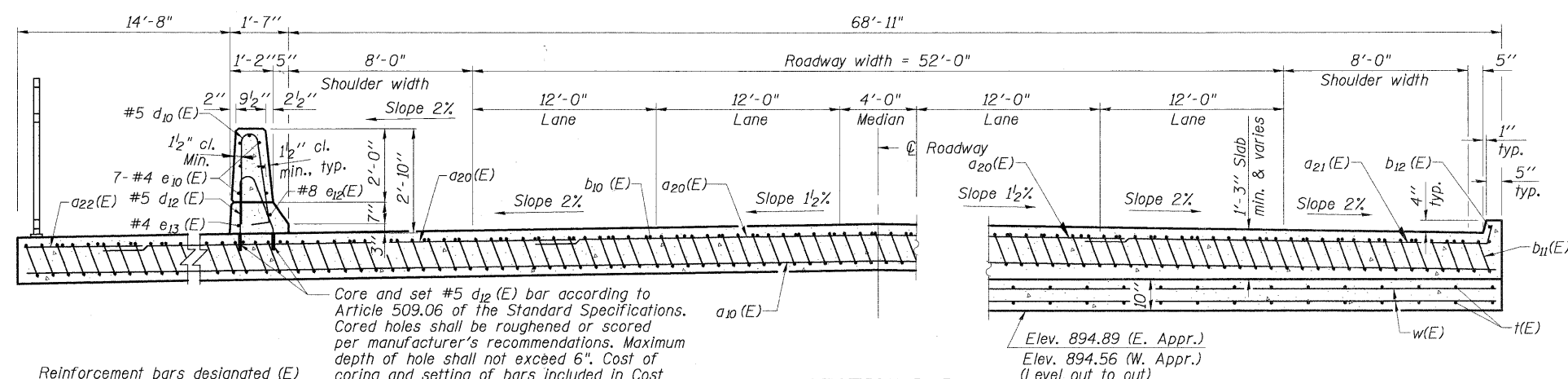
F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

Notes:

See sheet S-18 for Detail A and View B-B.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet S-10 and S-11.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see sheet S-17.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage treatment details, see sheet S-20 of S-21.
 For additional parapet details, see sheet S-18.



SECTION C-C



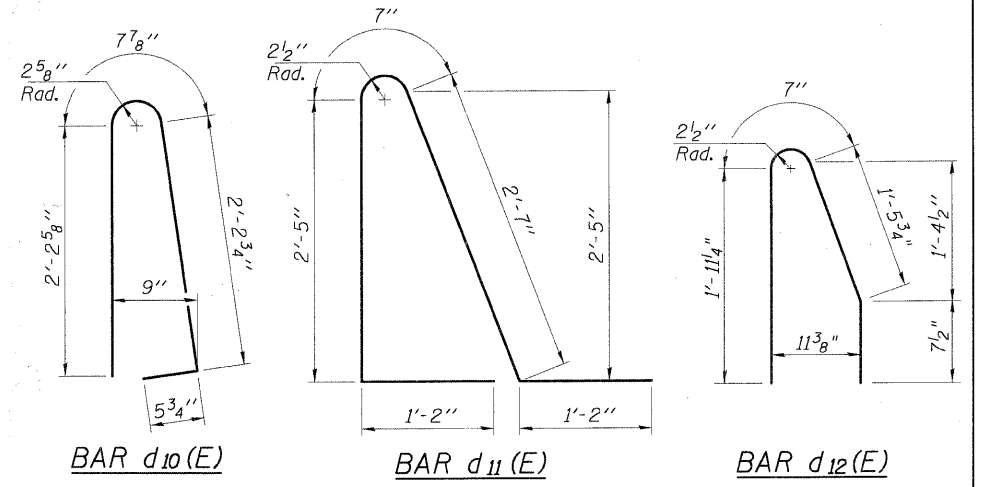
SECTION D-D

AT APPROACH FOOTING

Reinforcement bars designated (E) shall be epoxy coated.
 Reinforcement bars shall not pass through aluminum sheets and cork joint filler.

NEAR ABUTMENT

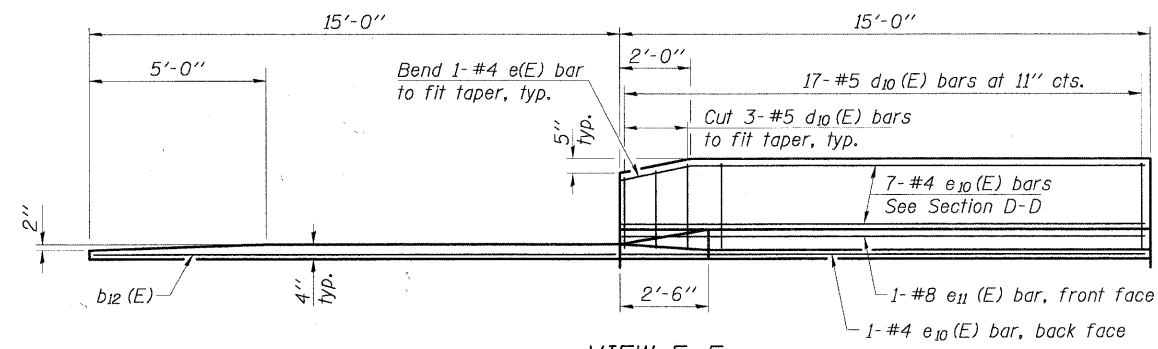
(See Plan for dimensions not shown)



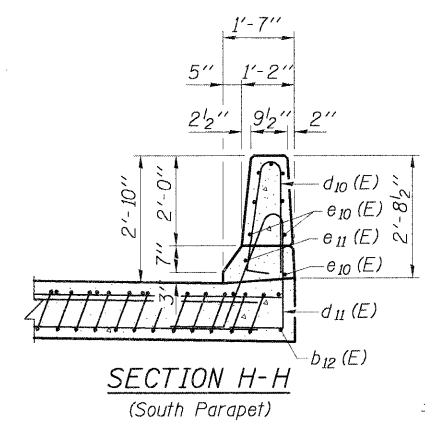
* Tilt #9 b1(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

TWO APPROACHES
 BILL OF MATERIAL

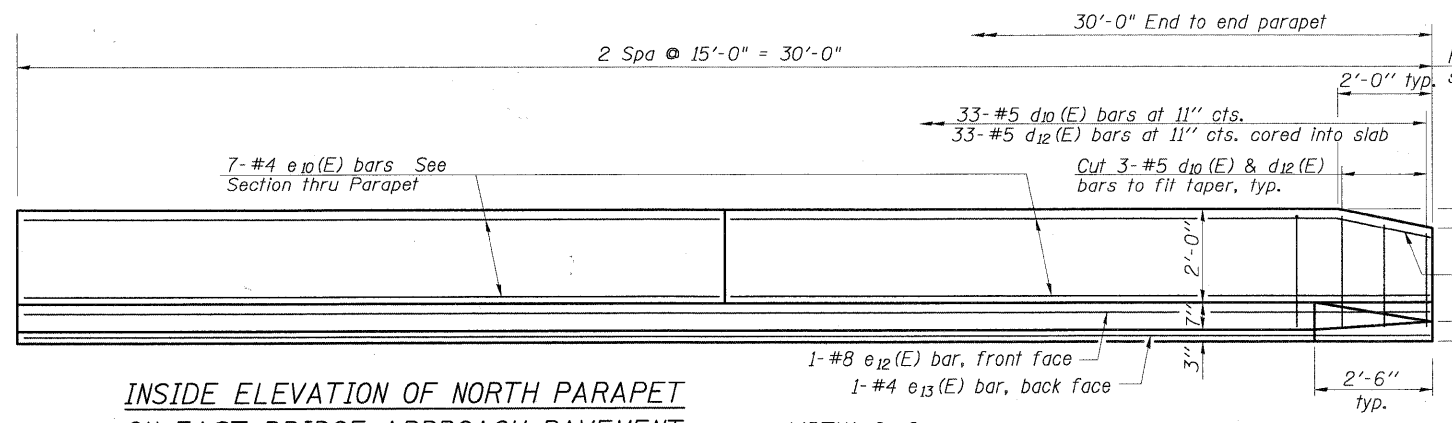
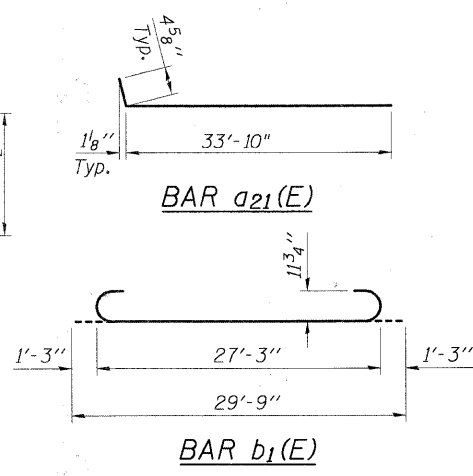
Bar	No.	Size	Length	Shape
a10(E)	368	#5	26'-0"	—
a20(E)	100	#4	33'-10"	—
a21(E)	50	#4	34'-3"	—
a22(E)	72	#6	6'-6"	—
b10(E)	138	#4	29'-8"	—
b11(E)	408	#9	29'-9"	—
b12(E)	4	#4	14'-8"	—
d10(E)	100	#5	5'-7"	—
d11(E)	34	#5	7'-11"	—
d12(E)	66	#5	4'-8"	—
e10(E)	44	#4	14'-8"	—
e11(E)	2	#8	14'-8"	—
e12(E)	2	#8	29'-8"	—
e13(E)	2	#4	29'-8"	—
t(E)	344	#4	8'-4"	—
w(E)	240	#5	33'-9"	—
Concrete Superstructure		Cu. Yd.	276.3	
Concrete Structures		Cu. Yd.	45.9	
Reinforcement Bars, Epoxy Coated		Pound	70,360	



VIEW E-E



SECTION H-H
 (South Parapet)

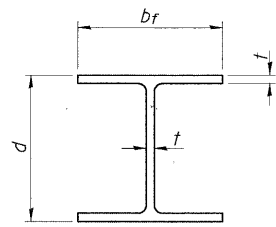


VIEW G-G

INSIDE ELEVATION OF NORTH PARAPET
 ON EAST BRIDGE APPROACH PAVEMENT

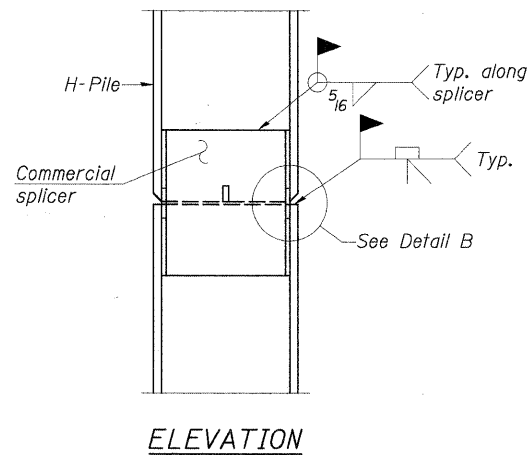
F.A.S. 0130 - BIG TIMBER ROAD
 OVER TYLER AND PINGREE CREEK
 SECTION 01-00266-00-BR
 KANE COUNTY, ILLINOIS
 STA. 135+80.00
 STRUCTURE NO. 045-3323

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 8575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0500

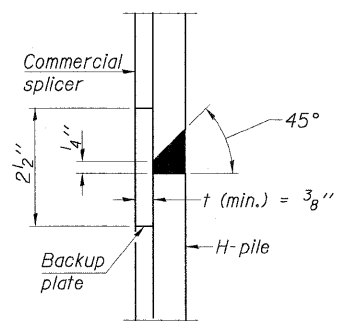


STEEL PILE TABLE

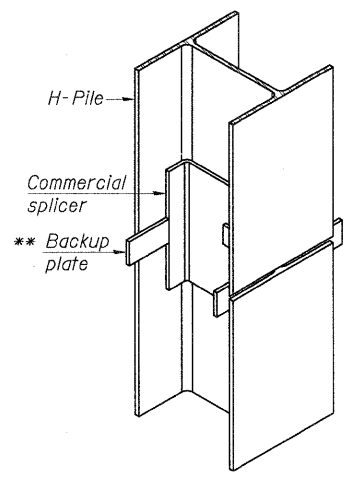
Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

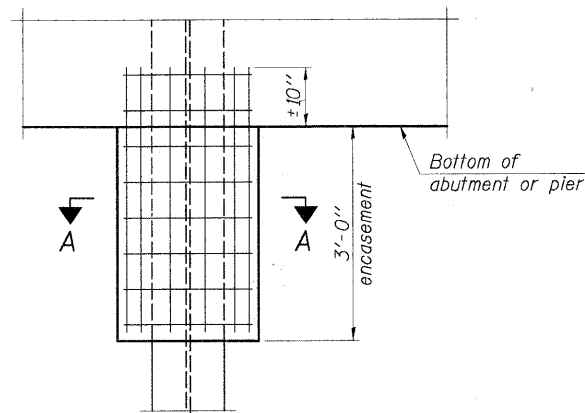


DETAIL "B"



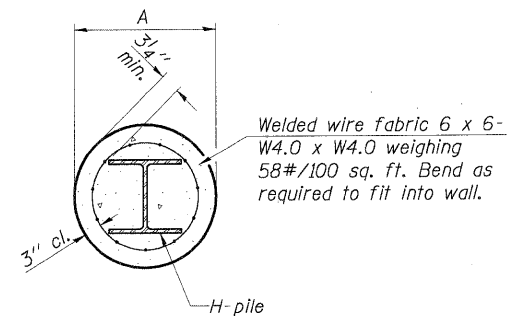
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



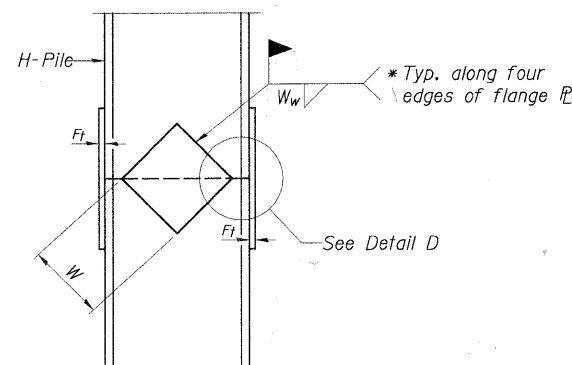
ELEVATION

PILE ENCASEMENT

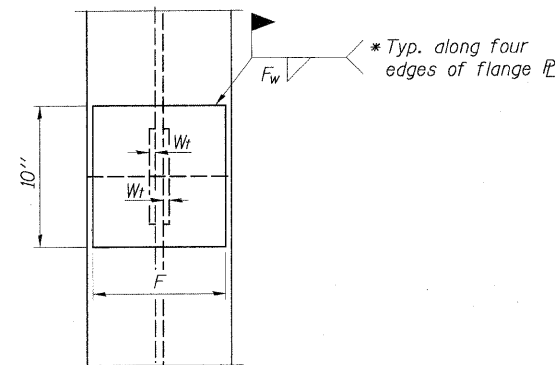


SECTION A-A

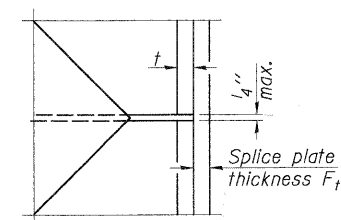
Note:
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW



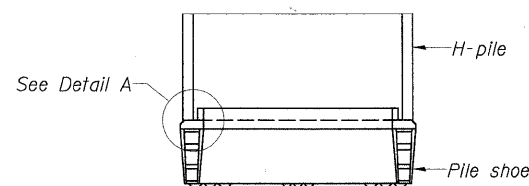
DETAIL D

WELDED PLATE FIELD SPLICE

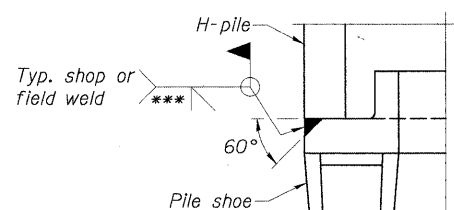
Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

F.A.S. 0130 - BIG TIMBER ROAD OVER TYLER AND PINGREE CREEK SECTION 01-00266-00-BR KANE COUNTY, ILLINOIS STA. 135+80.00 STRUCTURE NO. 045-3323

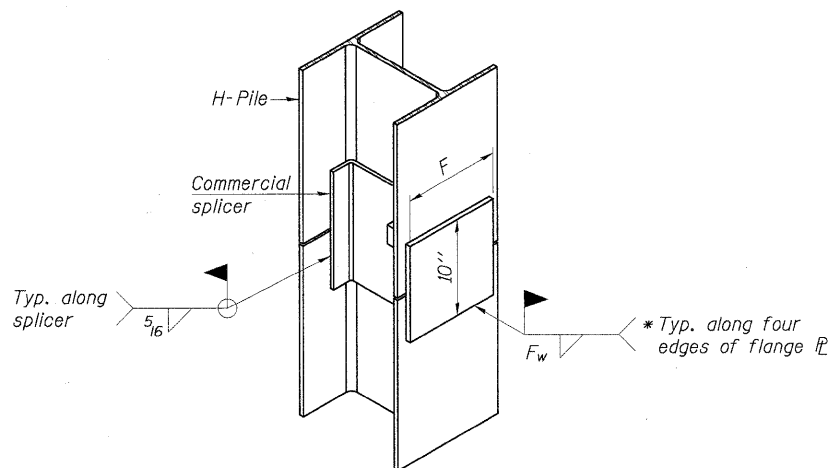


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

FILE NAME =	USER NAME = BLUKE	DESIGNED - MM	REVISED -
N:\kanecounty\04198\STRUCT_2\04198-S20.SHT		DRAWN - PDR	REVISED -
	PLOT SCALE = 1"	CHECKED - MM	REVISED -
	PLOT DATE = 2/7/2011	DATE -	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	57
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431				

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2
Date Started 4/4/05
Date Completed 4/4/05

ROUTE F.A.S. 0130 DESCRIPTION Tyler Creek & Big Timber Road - Phase I
SECT. 01-0026-00-BR STRUCT. NO. 045-3012 (exist.) DRILLED BY ISC L-60,901
COUNTY Kane LOCATION West Abutment S. 27 - E. Cntr., TWP. 42 N., RNG. 7E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Z	Surface Water Elev.	Groundwater Elev.	Wash	Wash	D	B	L	O	W	Z
SB-1	135+35	6.50ft RT	893.40	H	T	P	O	S	X					H	T	P	O	S	X
5.5" Asphaltic Concrete	893.30																		
FILL - Brown SAND and GRAVEL, damp	A-1	6.4	890.30	7	4	4													
Medium stiff to stiff black and dark brown CLAY and Topsoil, very moist	A-1-a	32.9	887.30	5	1.0														
Stiff brown and gray CLAY, trace organic, very moist	A-7-6	34.3	885.40	5	1.2														
Stiff brown and gray SILTY CLAY LOAM with sand seams, moist	A-4/A-6	17.7	882.90	3	1.0														
Stiff gray SILTY CLAY LOAM, moist	A-6	19.1	880.40	3	1.2														
Very stiff to hard reddish-brown CLAY LOAM, trace to little gravel, moist	A-6	14.3	876.40	4	4.2														
Loose gray clayey SILT, very moist	A-4	23.2	851.40	3	4.0														
Medium stiff gray CLAY, very moist	A-6	24.3	870.40	4	0.9														
Soft gray SILTY CLAY LOAM with silt seams, very moist	A-4/A-6	22.7	868.40	2	0.5														

SPT (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2
Date Started 4/4/05
Date Completed 4/4/05

STRUCTURE NO. 045-3012 (exist.)
ROUTE F.A.S. 0130
SECTION 01-0026-00-BR
COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Z	Surface Water Elev.	Groundwater Elev.	Wash	Wash	D	B	L	O	W	Z
SB-1	135+35	6.50ft RT	843.40	H	T	P	O	S	X					H	T	P	O	S	X
Very stiff reddish-brown CLAY LOAM, trace to little gravel, moist	A-4/A-6	13.3	850.40	5	1.5														
Hard reddish-brown CLAY LOAM, trace to little gravel, moist	A-4/A-6	11.6	826.40	10	4.2														
Dense brown and gray SAND and GRAVEL, occasional cobbles, track fragments recovered, saturated	A-1-a	16.0	810.40	29	0.9														

SPT (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2
Date Started 4/8/05
Date Completed 4/8/05

ROUTE F.A.S. 0130 DESCRIPTION Tyler Creek & Big Timber Road - Phase I
SECT. 01-0026-00-BR STRUCT. NO. 045-3012 (exist.) DRILLED BY ISC L-60,901
COUNTY Kane LOCATION East Abutment S. 27 - E. Cntr., TWP. 42 N., RNG. 7E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Z	Surface Water Elev.	Groundwater Elev.	Wash	Wash	D	B	L	O	W	Z
SB-2	136+20	6.50ft LT	893.30	H	T	P	O	S	X					H	T	P	O	S	X
6" Asphaltic Concrete	892.80																		
FILL - Gray and black SAND and GRAVEL, damp	A-1-a	1.1	890.30	3	4														
FILL - Black and gray CLAY LOAM, little gravel, trace organic, very moist	A-1-a	21.4	887.80	2	1.0														
Soft brown and gray CLAY LOAM, little gravel, very moist	A-5/A-7-6	22.0	885.30	1	0.5														
Medium dense brown and gray silty fine SAND, saturated	A-1-b	14.0	861.30	3	1.0														
Medium dense brown and gray silty fine SAND, trace gravel, very moist	A-2-4	14.4	862.80	3	1.0														
Medium dense gray SAND, trace to little gravel, saturated	A-1-b	11.9	856.30	4	1.0														
Soft to medium stiff gray CLAY, occasional silt seams, very moist	A-6	22.0	851.30	2	0.9														
Soft to medium stiff gray CLAY, occasional silt seams, very moist	A-6	22.2	851.30	2	0.6														
Medium dense gray fine to medium SAND, saturated	A-1-b	16.0	872.80	3	1.0														
Stiff to very stiff gray CLAY, occasional silt seams, moist	A-6	19.5	870.30	3	2.0														
Medium stiff gray CLAY LOAM with sand seams, very moist	A-4/A-6	21.0	868.30	2	0.75														

SPT (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2
Date Started 4/8/05
Date Completed 4/8/05

STRUCTURE NO. 045-3012 (exist.)
ROUTE F.A.S. 0130
SECTION 01-0026-00-BR
COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	W	Z	Surface Water Elev.	Groundwater Elev.	Wash	Wash	D	B	L	O	W	Z
SB-2	136+20	6.50ft LT	843.30	H	T	P	O	S	X					H	T	P	O	S	X
Very stiff reddish-brown CLAY LOAM, trace to little gravel, moist	A-4/A-6	12.2	836.30	5	3.0														
Medium dense brownish-gray SAND, some gravel, saturated	A-1	12.8	831.30	5	1.2														
Medium dense brownish-gray fine SAND, trace to little gravel, saturated	A-1-b	12.7	826.30	11	1.1														
Very stiff brownish-gray CLAY LOAM, trace to little gravel, moist	A-6	15.5	810.30	6	2.25														

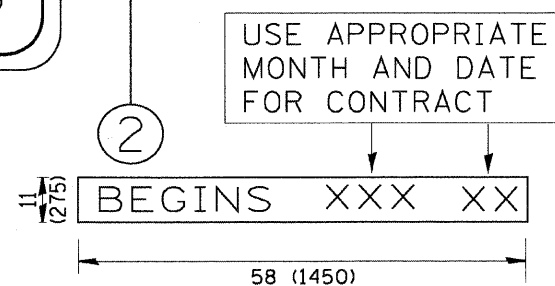
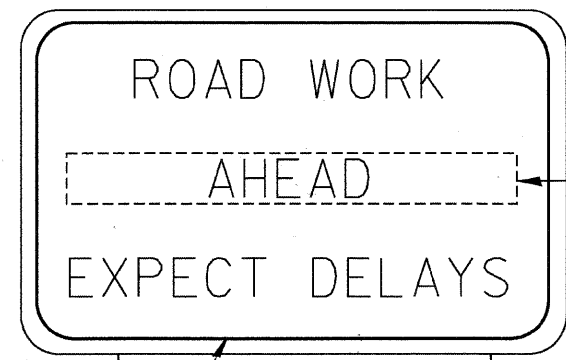
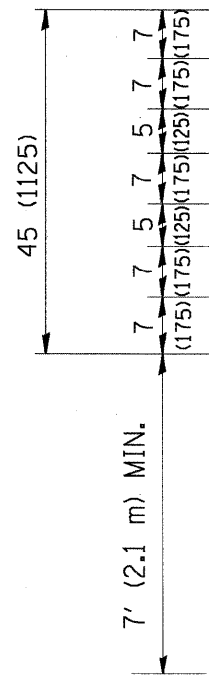
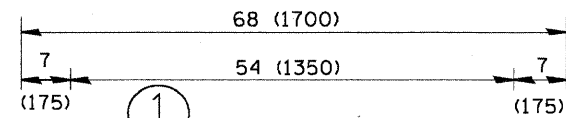
SPT (N) = Sum of last two blow values in sample. (Q) B-Bulge S-Shear P-Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 923-0500



F.A.S. 0130 - BIG TIMBER ROAD
OVER TYLER AND PINGREE CREEK
SECTION 01-00266-00-BR
KANE COUNTY, ILLINOIS
STA. 135+80.00
STRUCTURE NO. 045-3323

FILE NAME = N:\kane\county\04198\STRUCT.2\04198-S21.SHT	USER NAME = BLUKE	DESIGNED - MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A.S. RTE. 0130	SECTION 01-00266-00-BR	COUNTY KANE	TOTAL SHEETS 70	SHEET NO. 58
PLOT SCALE = 1"	CHECKED - MM	REVISED -	CONTRACT NO. 63196							
PLOT DATE = 2/7/2011	DATE	REVISED -	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT BRM-8003(043)							
SHEET NO. S-21 OF S-21										

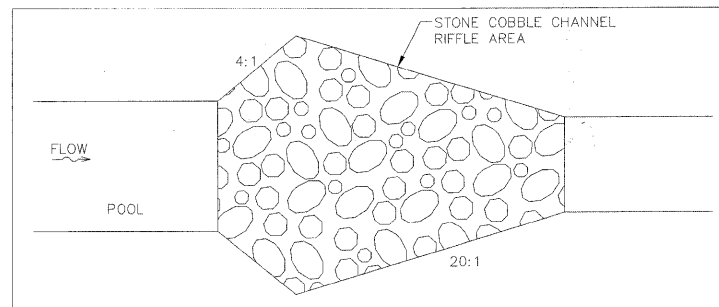


NOTES:

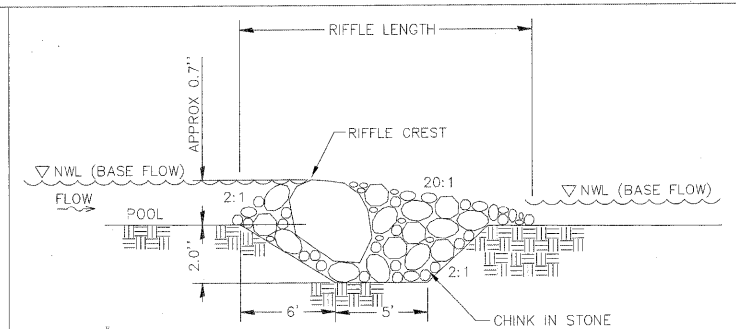
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

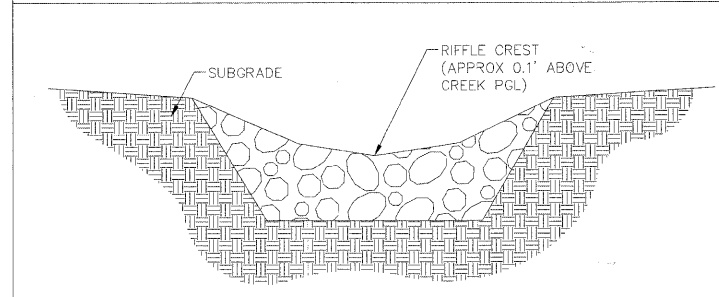
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22	CONTRACT NO.	
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



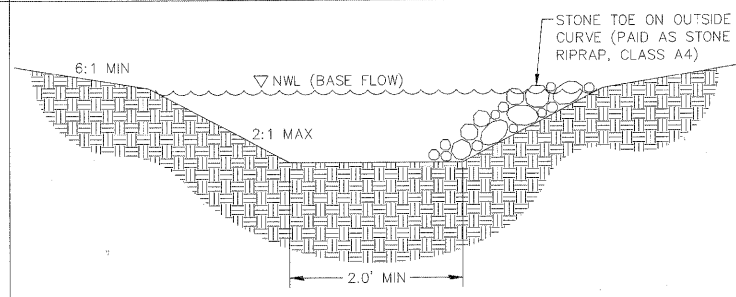
RIFFLE STRUCTURE PLAN VIEW
N.T.S.



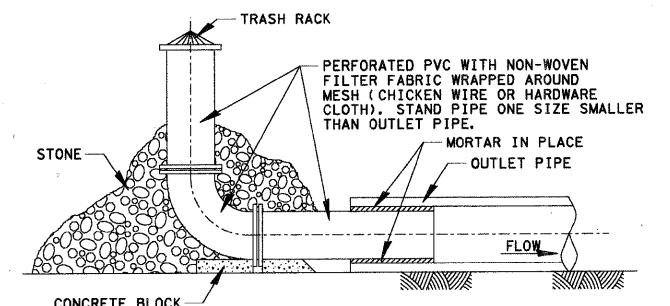
RIFFLE STRUCTURE PROFILE
N.T.S.



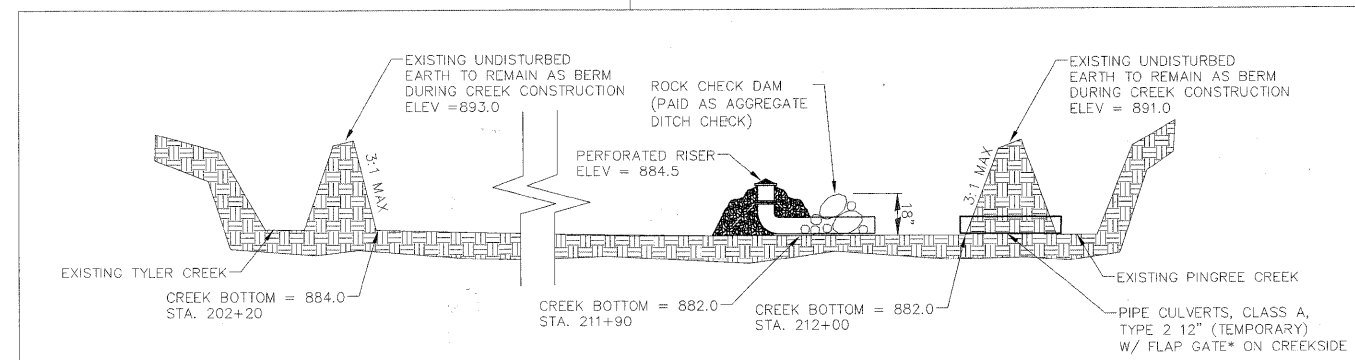
RIFFLE STRUCTURE CROSS-SECTION
N.T.S.



POOL CROSS-SECTION W/ARMORING
N.T.S.



PERFORATED RISER DETAIL
N.T.S.



CREEK SECTION W/AGGREGATE DITCH CHECK AND PERFORATED RISER
N.T.S. LOOKING TOWARDS BIG TIMBER ROAD

*COST OF FLAP GATE INCLUDED IN THE PIPE CULVERTS, CLASS A, TYPE 2 12" (TEMPORARY) PAY ITEM

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 923-0500

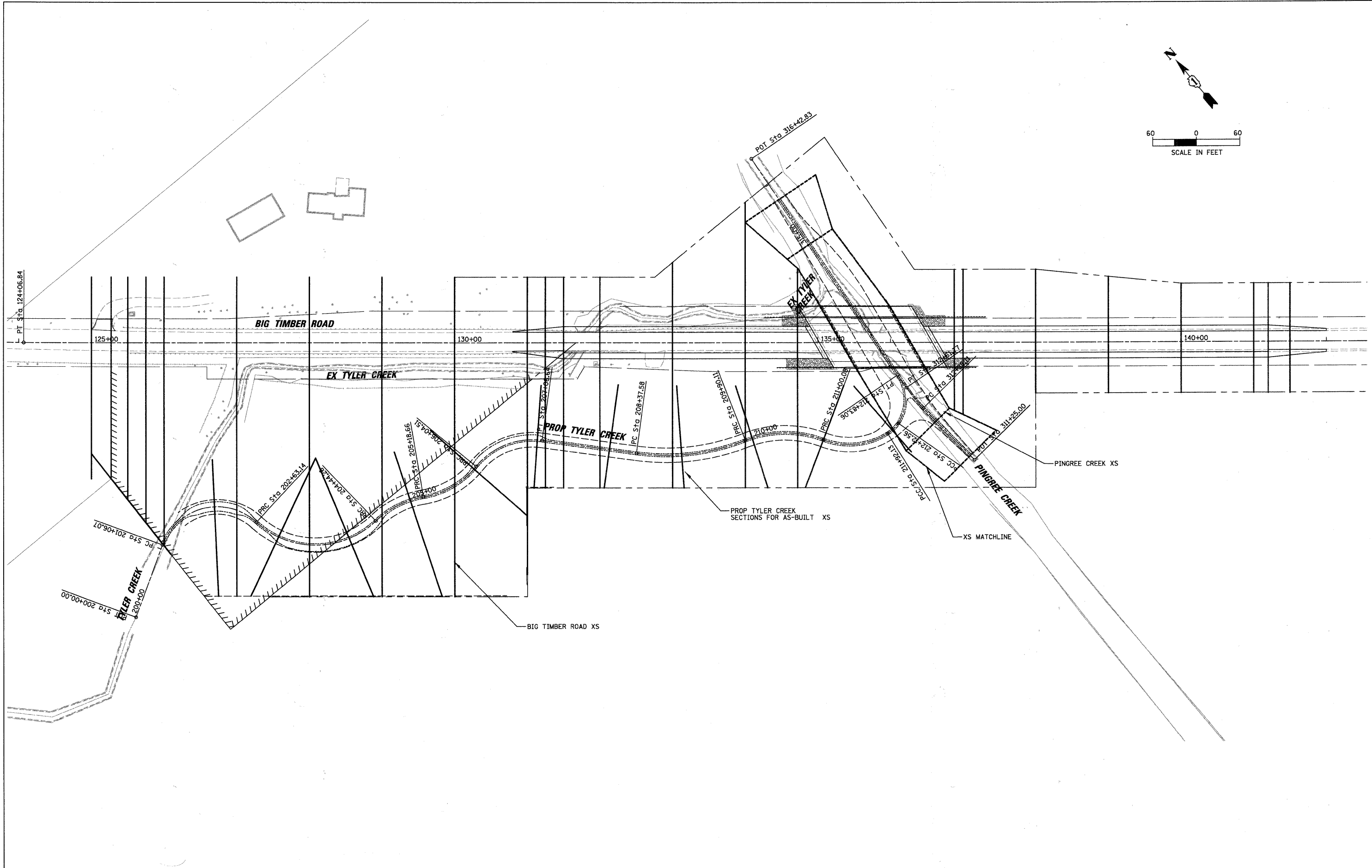
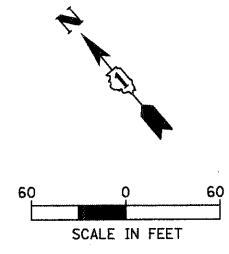


FILE NAME = N:\kane\county\04198\Civil\2\DET04198-2-01.SHT	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
PLOT SCALE = 1"	DATE = 02/07/2011	DRAWN - PMM	REVISED -
PLOT DATE = 2/7/2011		CHECKED - JGS	REVISED -
		DATE - 02/07/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAS 0130 - BIG TIMBER ROAD CONSTRUCTION DETAILS			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	59
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431				



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9675 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



FILE NAME =	USER NAME = BLUKE	DESIGNED - BLL	REVISED -
N:\kane\county\84198\Civil\2\PATXS04198.2	01.SHT	DRAWN - PMM	REVISED -
	PLOT SCALE = 60'	CHECKED - JGS	REVISED -
	PLOT DATE = 2/7/2011	DATE - 02/07/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAS 0130 - BIG TIMBER ROAD
 CROSS SECTION LAYOUT PLAN**

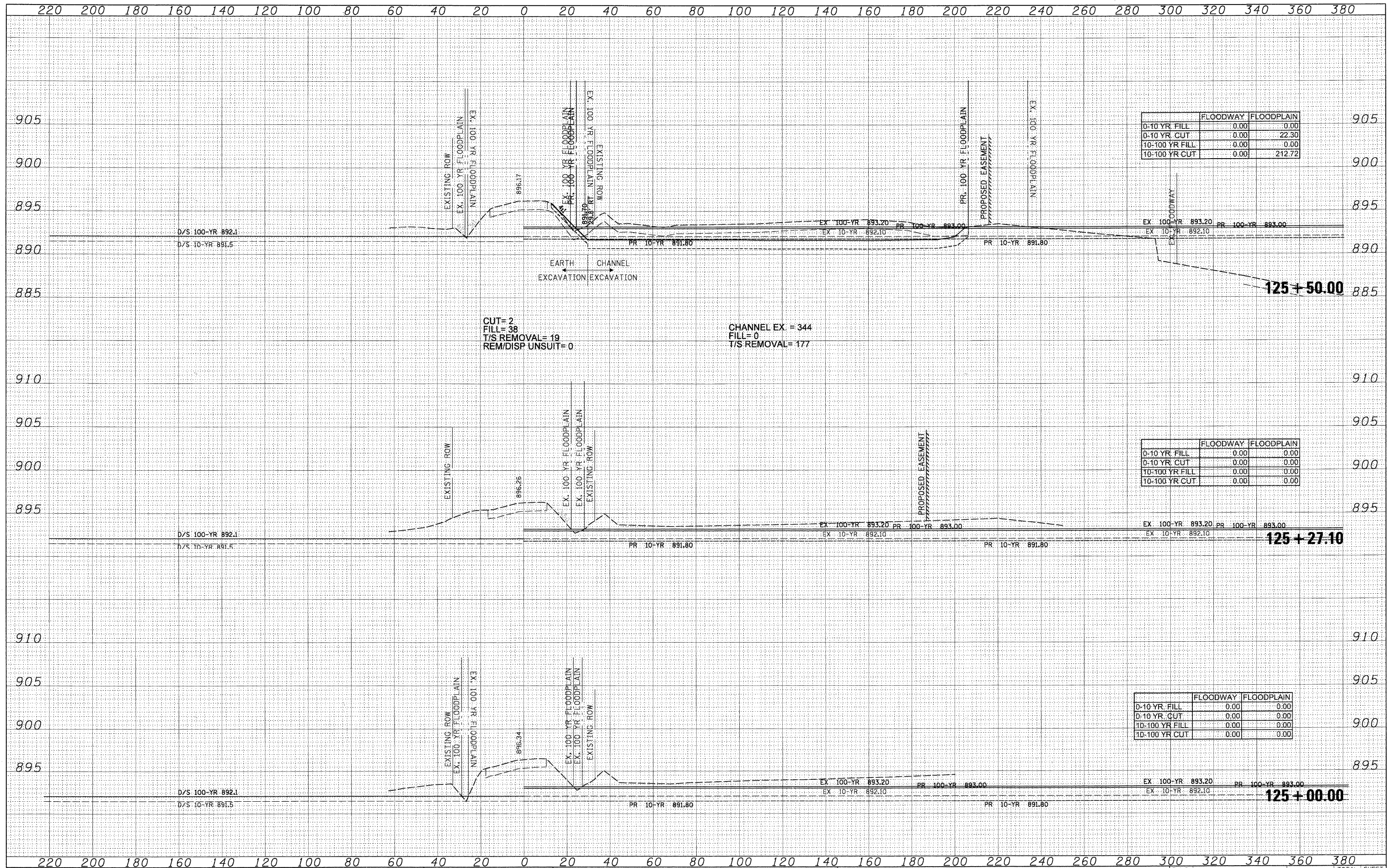
SCALE: SHEET NO. OF SHEETS STA. 124+50 TO STA. 144+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	60
CONTRACT NO. 63196				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043)				

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

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

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 2575 W. Maple Road, Suite 200
 Mount Pleasant, Illinois 60089
 (815) 325-9500



FILE NAME = N:\kanecounty\04198\Civil\2\X504198_2_BIGTIM_514.SHT
 USER NAME = BLUKE
 DESIGNED - BLL
 DRAWN - PMM
 CHECKED - JGS
 DATE - 2/7/2011

DESIGNED -	BLL	REVISED -	
DRAWN -	PMM	REVISED -	
CHECKED -	JGS	REVISED -	
DATE -	2/7/2011	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

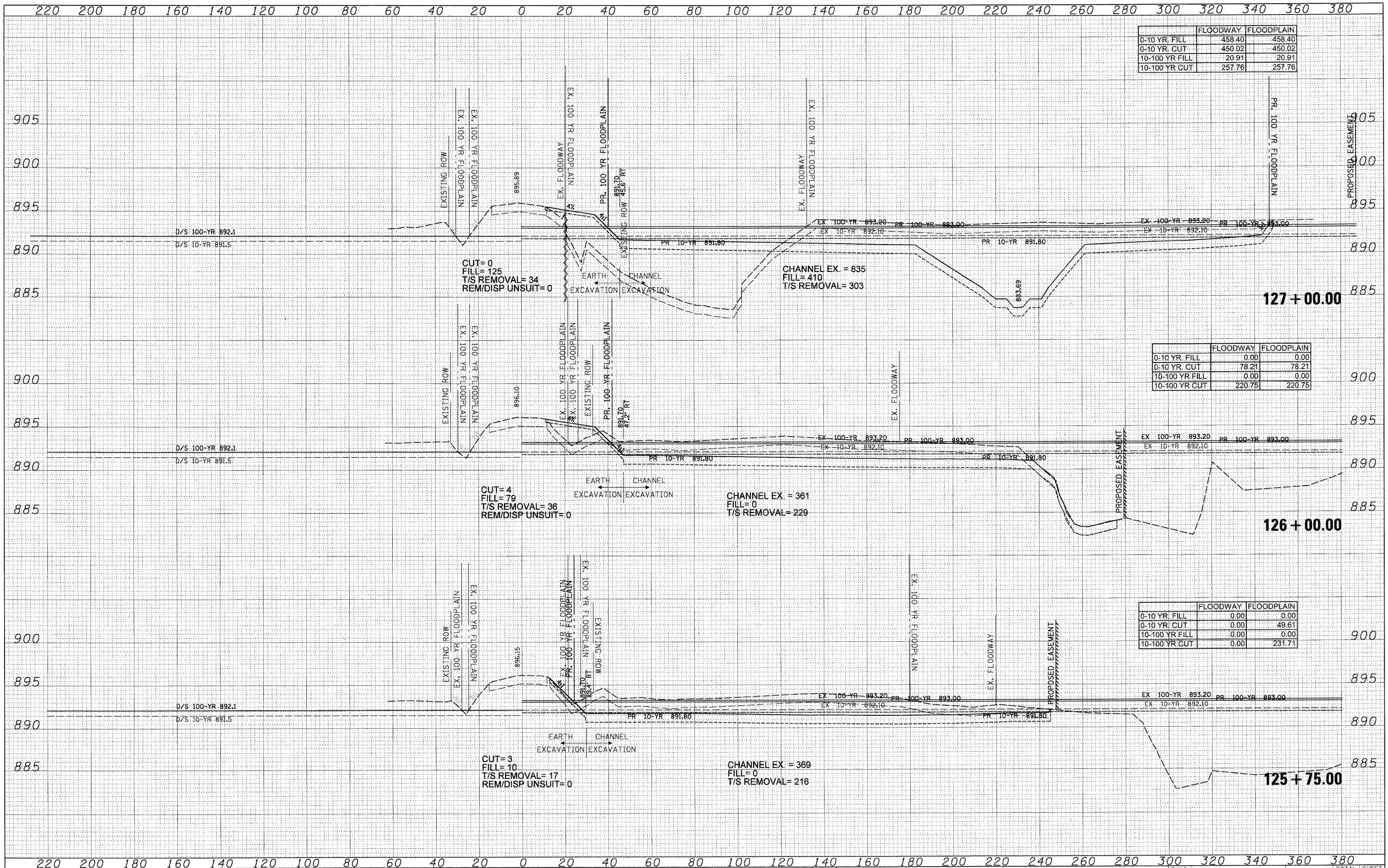
SCALE: SHEET NO. OF SHEETS STA. 125+00.00 TO STA. 125+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	61
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT BRM-8003(043)				CONTRACT NO. 63196

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 5575 W. Highway Road, Suite 600
 Rosemont, Illinois 60018
 (630) 582-8000



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	458.40	458.40
0-10 YR. CUT	450.02	450.02
10-100 YR. FILL	20.91	20.91
10-100 YR. CUT	257.76	257.76

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	0.00	0.00
0-10 YR. CUT	78.21	78.21
10-100 YR. FILL	0.00	0.00
10-100 YR. CUT	220.75	220.75

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	0.00	0.00
0-10 YR. CUT	0.00	49.61
10-100 YR. FILL	0.00	0.00
10-100 YR. CUT	0.00	231.71

FILE NAME = N:\kanecounty\B4198\Cv1.2\X584198_2.BIGTIM.SHT
 USER NAME = BLUKE
 DESIGNED - BLL
 DRAWN - PMM
 CHECKED - JGS
 DATE - 2/7/2011

DESIGNED -	BLL	REVISED -	
DRAWN -	PMM	REVISED -	
CHECKED -	JGS	REVISED -	
DATE -		REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. OF SHEETS STA. 125+75.00 TO STA. 127+00.00

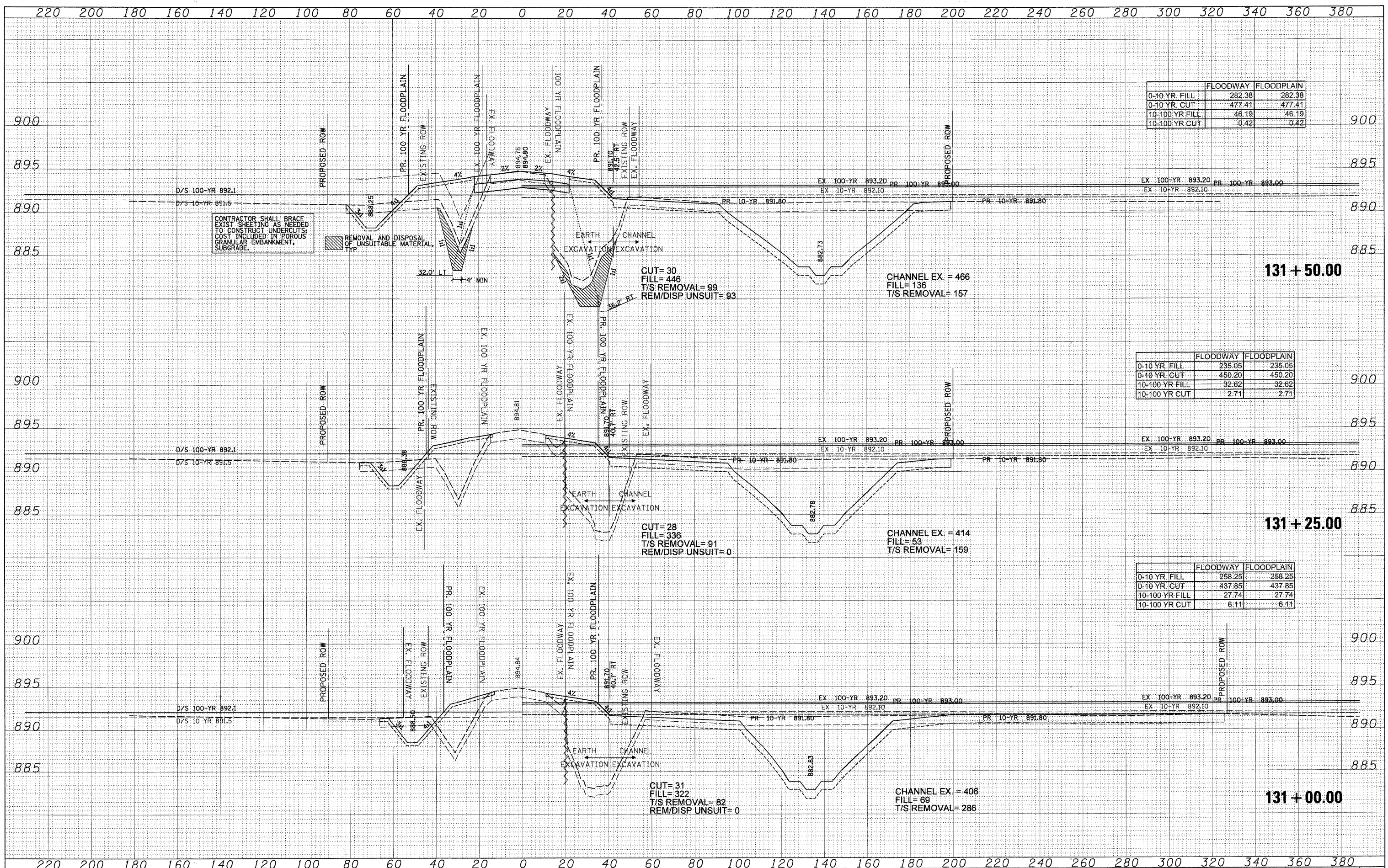
BIG TIMBER ROAD

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0130	01-00266-00-BR	KANE	70	62
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-800310431			CONTRACT NO. 63196	

DATE	
BY	
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
REVISIONS	
AREAS CHECKED	
NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 5575 W. Highway Road, Suite 600
 Orem, Utah 84058
 (801) 225-0066



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	282.38	282.38
0-10 YR. CUT	477.41	477.41
10-100 YR FILL	46.19	46.19
10-100 YR CUT	0.42	0.42

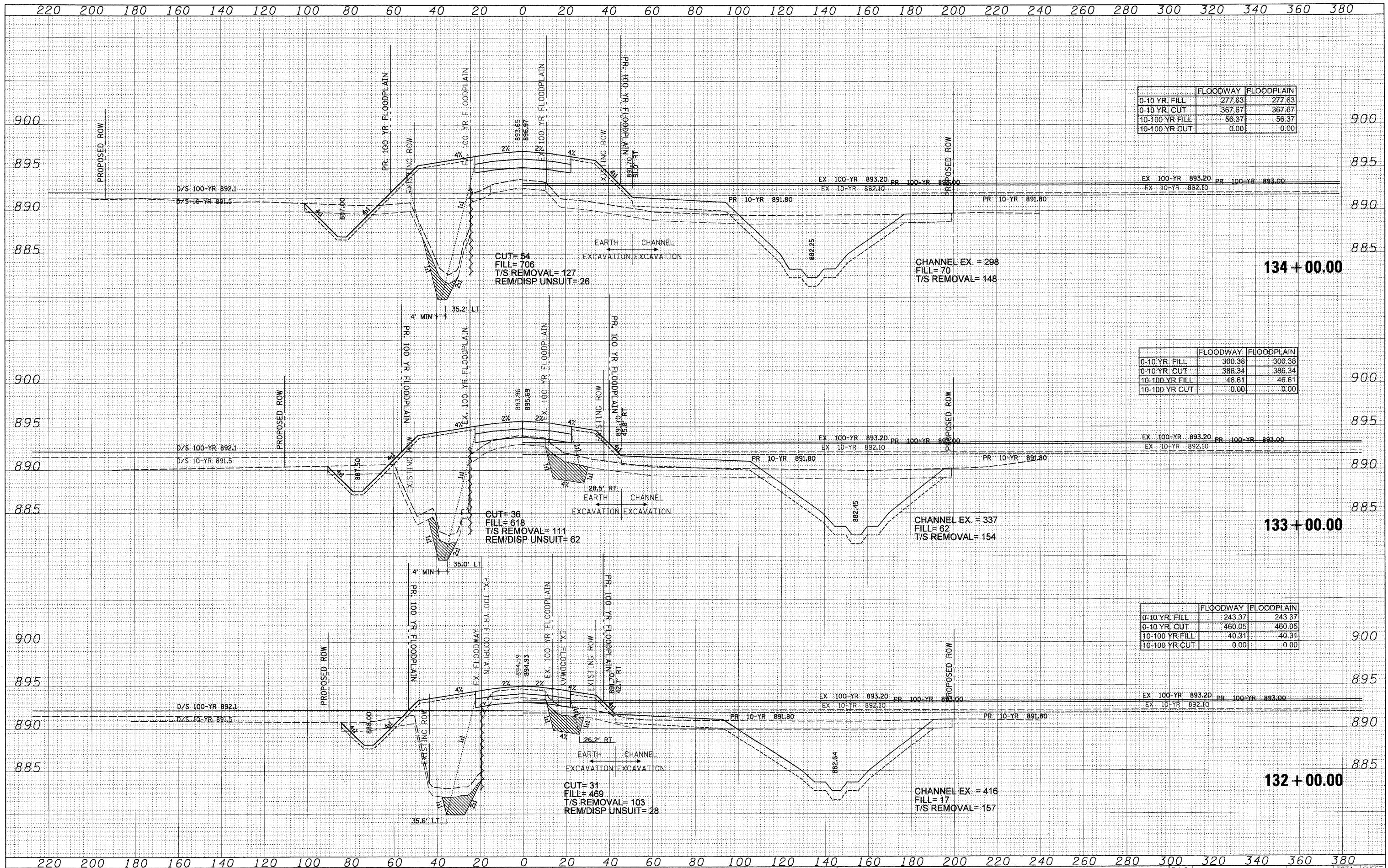
	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	235.05	235.05
0-10 YR. CUT	450.20	450.20
10-100 YR FILL	32.62	32.62
10-100 YR CUT	2.71	2.71

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	258.25	258.25
0-10 YR. CUT	437.85	437.85
10-100 YR FILL	27.74	27.74
10-100 YR CUT	6.11	6.11

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 400
 Rosemont, Illinois 60018
 (847) 325-3000



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	277.63	277.63
0-10 YR. CUT	367.67	367.67
10-100 YR FILL	56.37	56.37
10-100 YR CUT	0.00	0.00

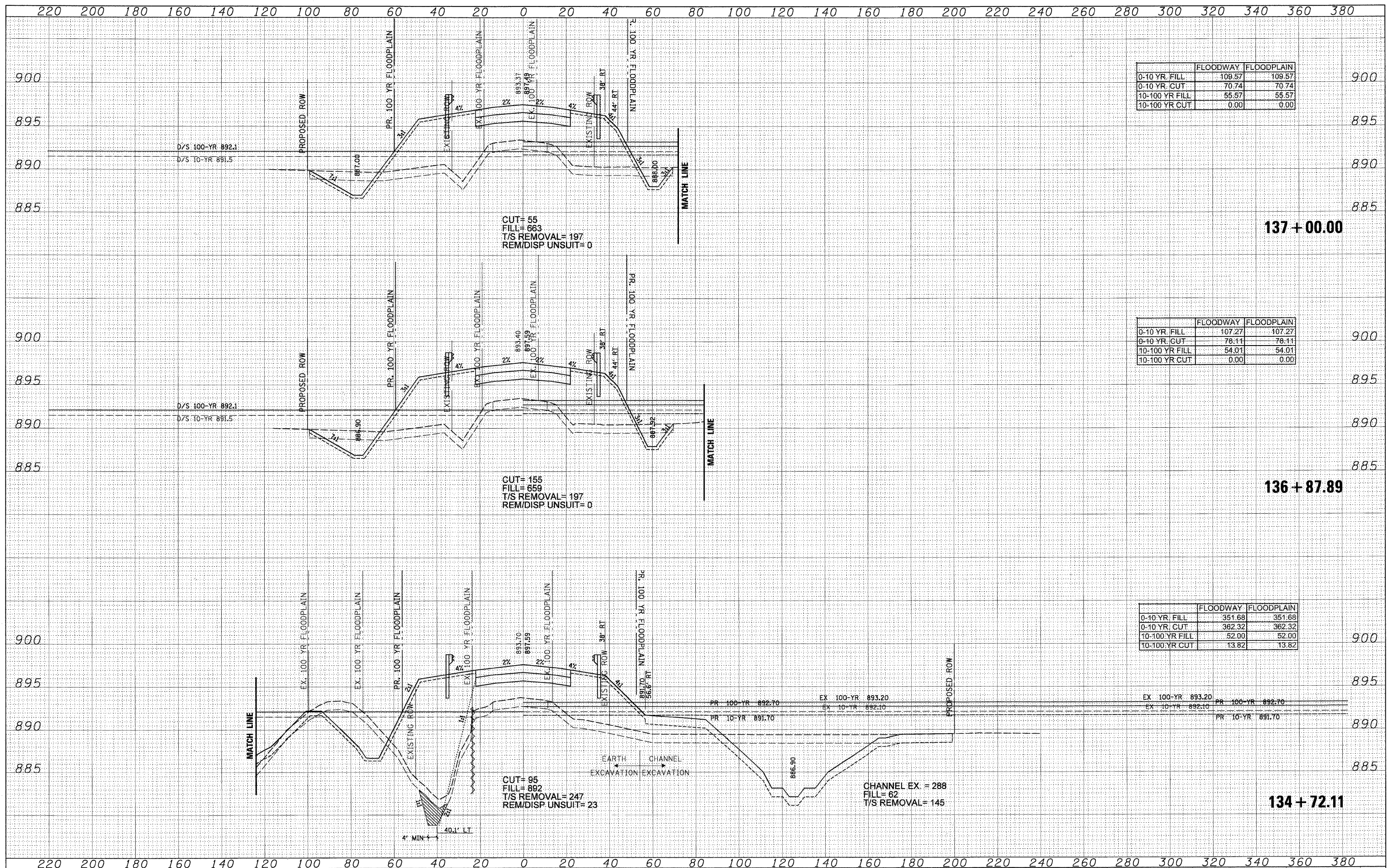
	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	300.38	300.38
0-10 YR. CUT	386.34	386.34
10-100 YR FILL	46.61	46.61
10-100 YR CUT	0.00	0.00

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	243.37	243.37
0-10 YR. CUT	460.05	460.05
10-100 YR FILL	40.31	40.31
10-100 YR CUT	0.00	0.00

DATE	
BY	
FINAL SURVEY	
FLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
FLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 6925 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 953-8800



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	109.57	109.57
0-10 YR. CUT	70.74	70.74
10-100 YR FILL	55.57	55.57
10-100 YR CUT	0.00	0.00

137+00.00

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	107.27	107.27
0-10 YR. CUT	78.11	78.11
10-100 YR FILL	54.01	54.01
10-100 YR CUT	0.00	0.00

136+87.89

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	351.68	351.68
0-10 YR. CUT	362.32	362.32
10-100 YR FILL	52.00	52.00
10-100 YR CUT	13.82	13.82

134+72.11

FILE NAME = N:\kane\county\04198\Civ\1_2\X504198_2_BIGTIM_Site.SHT
 USER NAME = BLUKE
 DESIGNED - BLL
 DRAWN - PMM
 CHECKED - JGS
 DATE -

DESIGNED - BLL
 DRAWN - PMM
 CHECKED - JGS
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

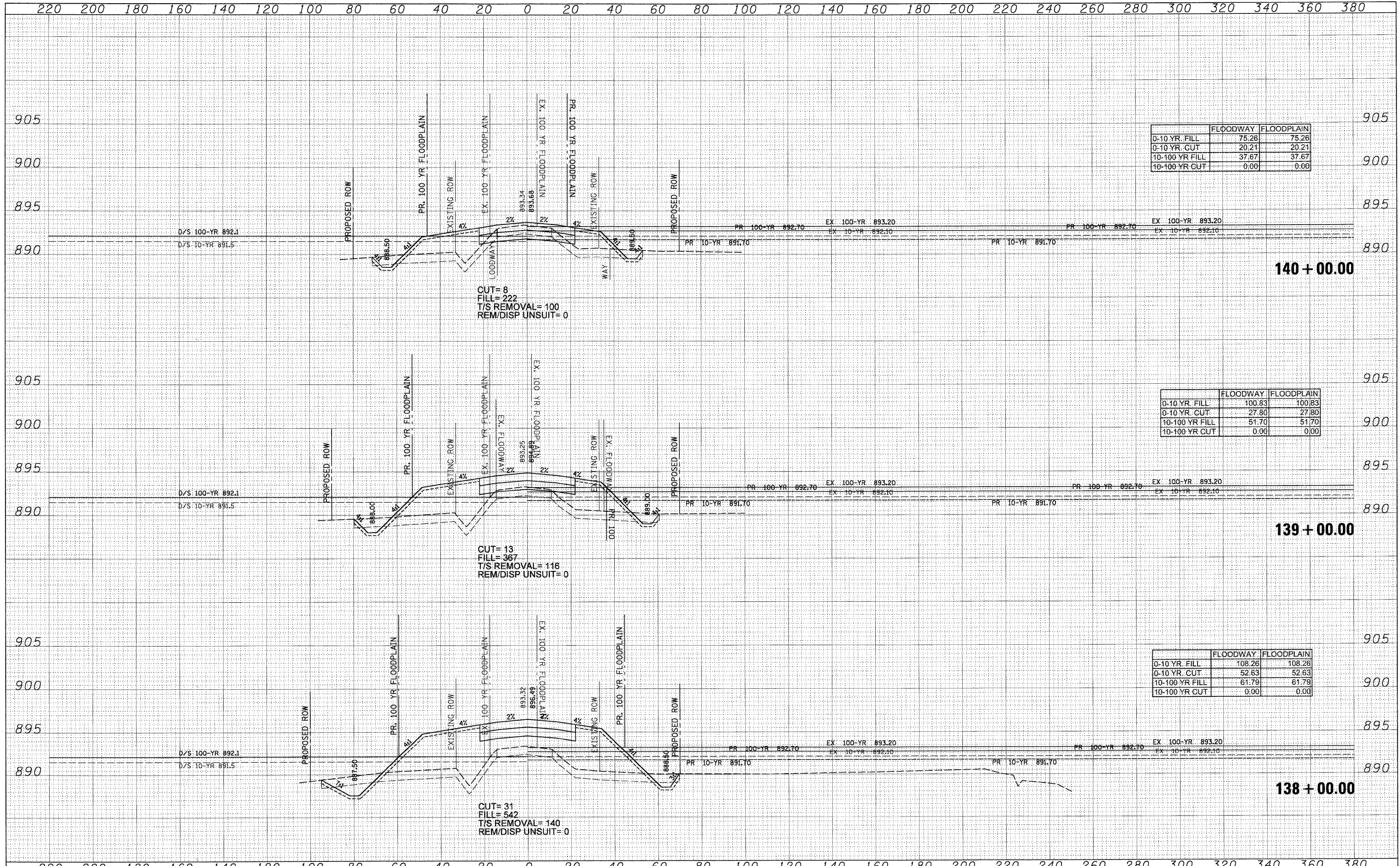
SCALE: SHEET NO. OF SHEETS STA. 134+72.11 TO STA. 137+00.00

F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 0130 01-00266-00-BR KANE 70 66
 CONTRACT NO. 63196
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043

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

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

CHRISTOPHER B. BURKE ENGINEERING LTD.
 875 W. Virginia Road, Suite 600
 Normal, Illinois 61858
 (618) 225-5500



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	75.28	75.26
0-10 YR. CUT	20.21	20.21
10-100 YR FILL	37.67	37.67
10-100 YR CUT	0.00	0.00

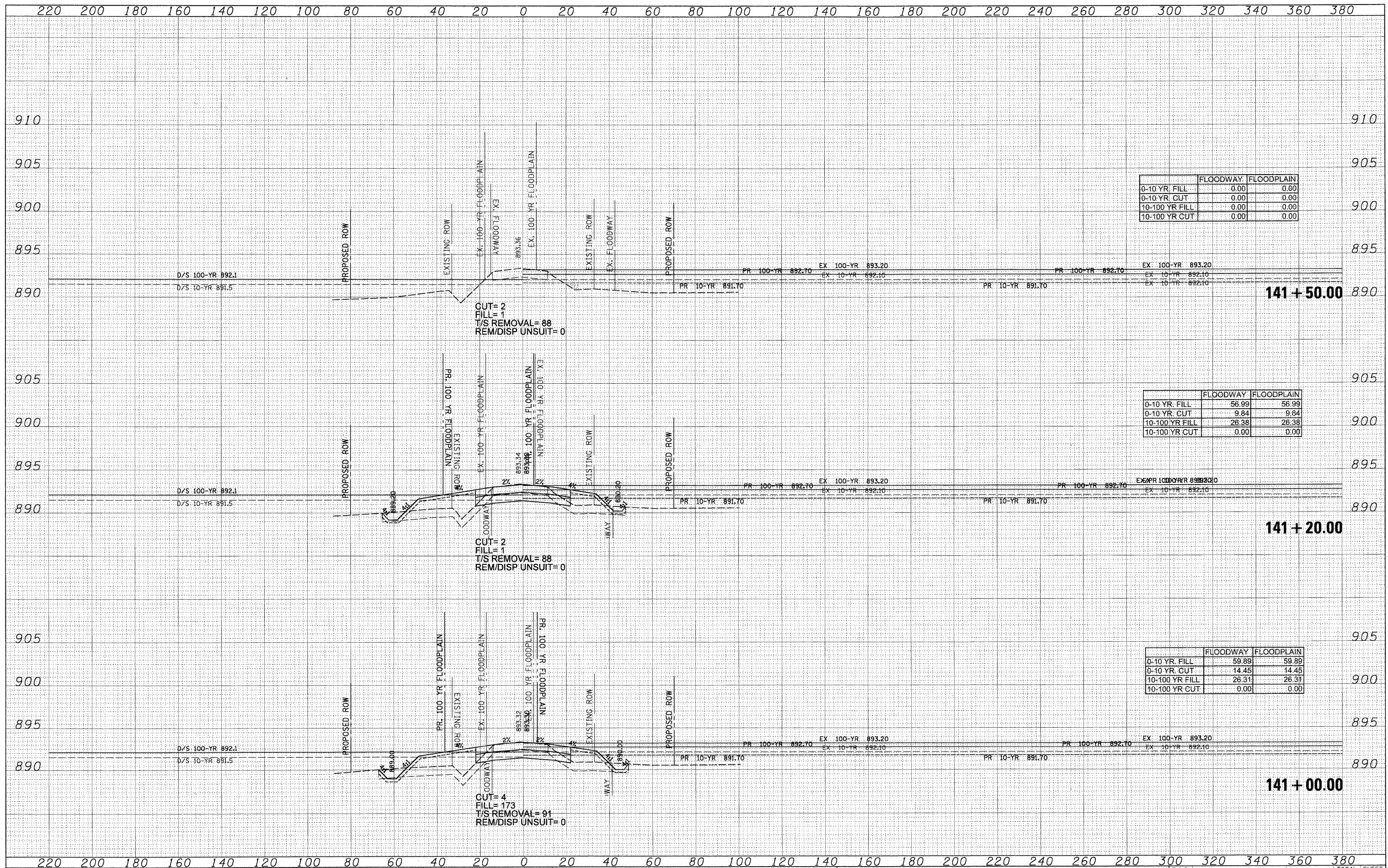
	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	100.83	100.83
0-10 YR. CUT	27.80	27.80
10-100 YR FILL	51.70	51.70
10-100 YR CUT	0.00	0.00

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	108.26	108.26
0-10 YR. CUT	52.63	52.63
10-100 YR FILL	61.79	61.79
10-100 YR CUT	0.00	0.00

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

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

CHRISTOPHER B. BURKE ENGINEERING, LTD
 9575 W. Higgins Road, Suite 400
 Skokie, Illinois 60076
 (847) 953-8600



	FLOODWAY	FLOODPLAIN
0-10 YR FILL	0.00	0.00
0-10 YR CUT	0.00	0.00
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00

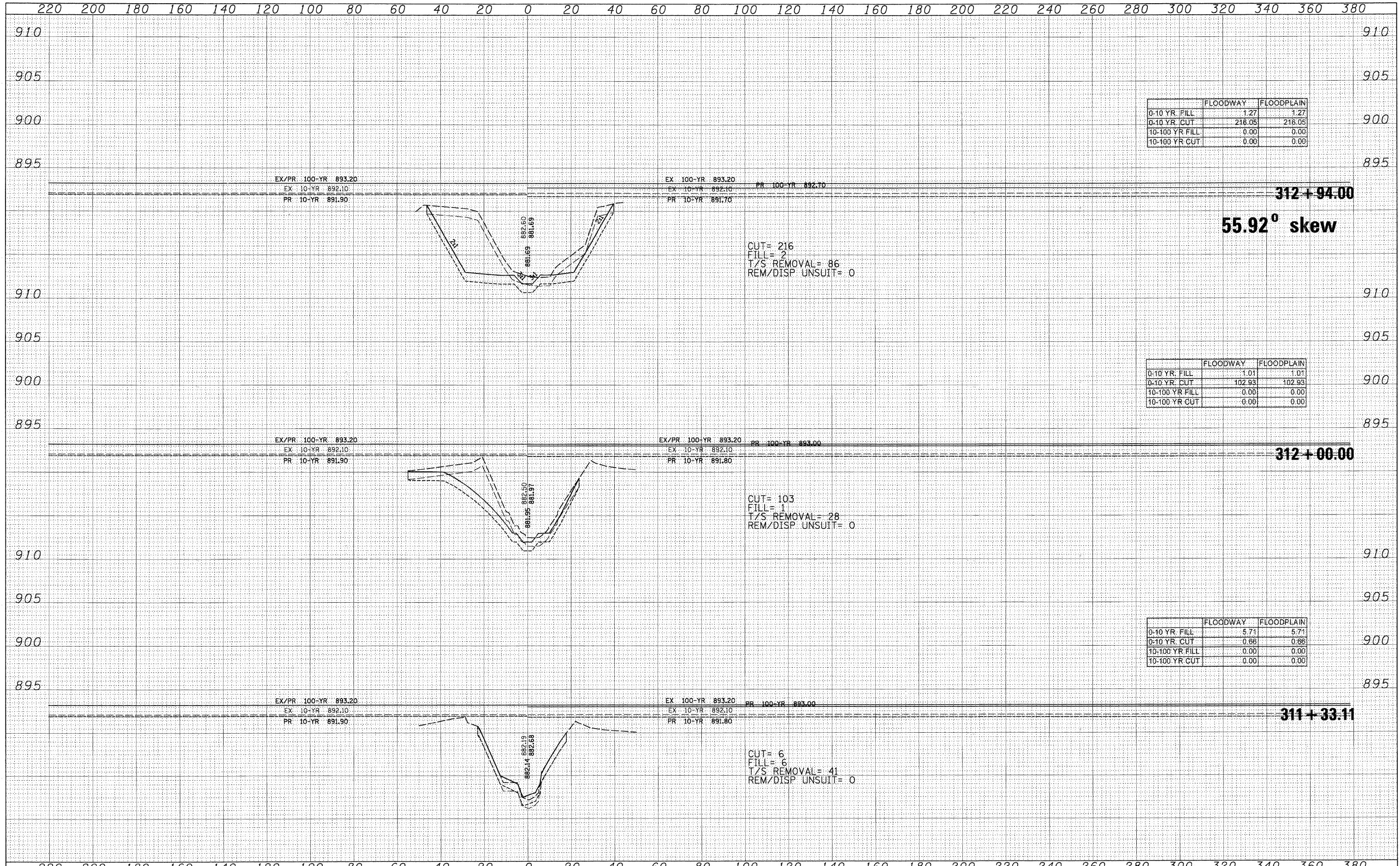
	FLOODWAY	FLOODPLAIN
0-10 YR FILL	56.99	56.99
0-10 YR CUT	9.84	9.84
10-100 YR FILL	26.38	26.38
10-100 YR CUT	0.00	0.00

	FLOODWAY	FLOODPLAIN
0-10 YR FILL	59.89	59.89
0-10 YR CUT	14.45	14.45
10-100 YR FILL	26.31	26.31
10-100 YR CUT	0.00	0.00

DATE	
BY	
SURVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 6753 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 762-5000



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	1.27	1.27
0-10 YR. CUT	216.05	216.05
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00

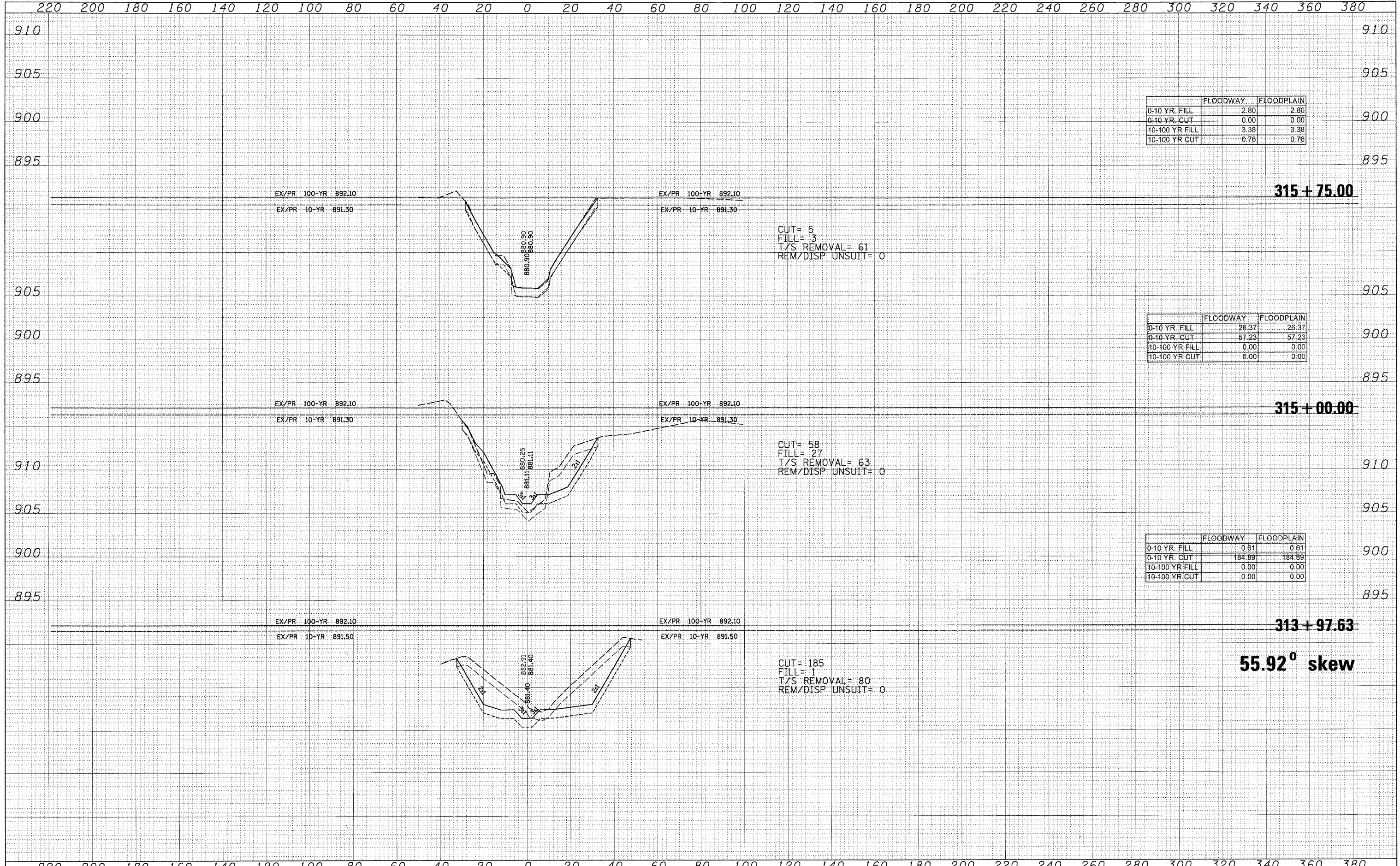
	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	1.01	1.01
0-10 YR. CUT	102.93	102.93
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	5.71	5.71
0-10 YR. CUT	0.66	0.66
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00

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

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

CHRISTOPHER B. BURKE ENGINEERING LTD.
 875 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 582-5000



	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	2.80	2.80
0-10 YR. CUT	0.00	0.00
10-100 YR FILL	3.38	3.38
10-100 YR CUT	0.76	0.76

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	26.37	26.37
0-10 YR. CUT	57.23	57.23
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00

	FLOODWAY	FLOODPLAIN
0-10 YR. FILL	0.61	0.61
0-10 YR. CUT	184.89	184.89
10-100 YR FILL	0.00	0.00
10-100 YR CUT	0.00	0.00