

03-09-12 LETTING ITEM 066

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 63644		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN ELGIN TOWNSHIP

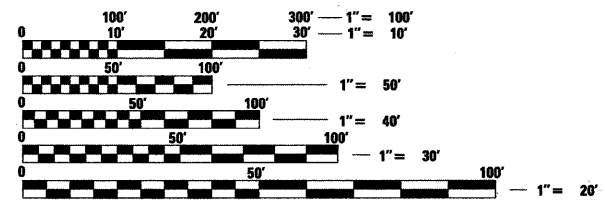
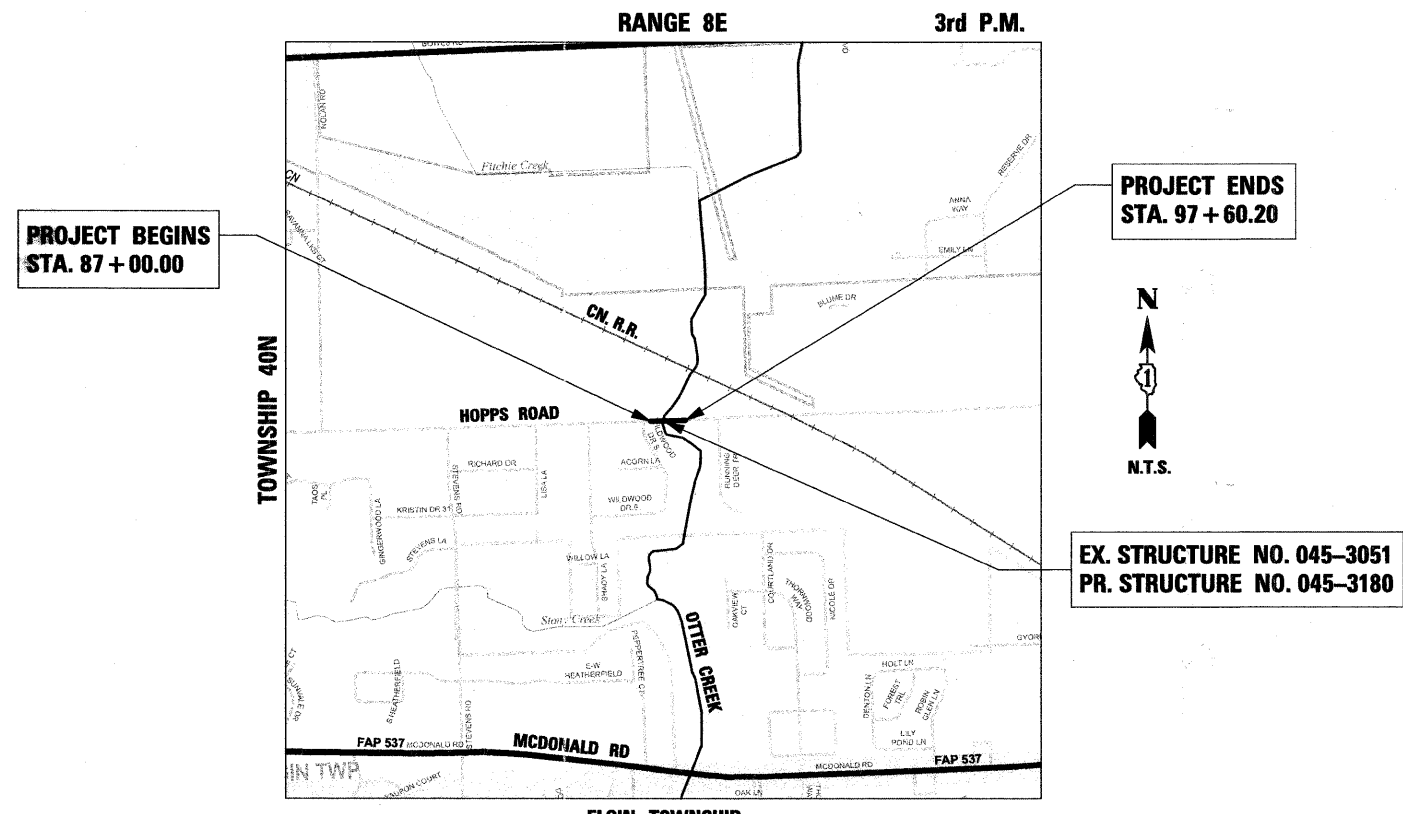
TRAFFIC DATA

2006 ADT = 2,200
 2030 ADT = 7,000
 DESIGN SPEED: 50 MPH
 DESIGN DESIGNATION: LOCAL ROAD

T.R. 2442 (HOPPS ROAD)
 OVER OTTER CREEK
 BRIDGE REPLACEMENT
 SECTION 04-08107-00-BR
 PROJECT BROS-0089(161)
 ELGIN TOWNSHIP
 KANE COUNTY
 JOB NO. C-91-126-05



LOCATION OF SECTION INDICATED THUS: —



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

PROJECT NET AND GROSS LENGTH = 1060.2 FT (0.201 MILE)
 PROJECT LOCATED IN:
 NORTHWEST QUARTER OF SECTION 32 IN TOWNSHIP 40N, RANGE 8E, OF THE THIRD PRINCIPAL MERIDIAN,
 KANE COUNTY, ILLINOIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

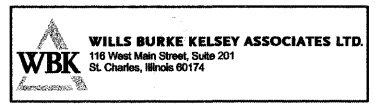
APPROVED November 30, 2011
Richard C. Frazier
 HIGHWAY COMMISSIONER, ELGIN TOWNSHIP

PASSED JANUARY 5, 2012
Chet Chapman
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW JANUARY 6, 2012
Diana M. O'Hara
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



December 19, 2011
Paul J. Fitzpatrick
 PAUL J. FITZPATRICK
 ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637
 EXPIRATION DATE 11-30-2013



**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

CONTRACT NO. 63644

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

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENT SET FORTH IN "THE CONSTRUCTION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM MANUAL TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION; INTERIM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
- BEGORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLE 105.07.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIALS OR A YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- MAINTENANCE OF TRAFFIC-GENERAL: TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED- ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

DRAINAGE NOTES

- DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS. ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THIS WORK WILL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE RESIDENT ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT, IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION "DRAIN TILE REPAIR".
- THE COST OF RESHAPING PROPOSED AND EXISTING DITCHES (IF REQUIRED) SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION PER ARTICLE 202.06.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES

- THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.
- THE CONTRACTOR'S IN-STREAM WORK PLAN SHALL BE SUBMITTED TO THE SOIL & WATER CONSERVATION DISTRICT AND KANE COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK. THERE WILL NO ADDITIONAL COMPENSATION FOR THIS PROVIDING THE PLAN AND COORDINATION.
- SEE EROSION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDITONS AND NOTES.

PRESERVATION OF TREES AND SHRUBS

- THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS SO DESIGNATED BY THE ENGINEER, OR THOSE, WHICH DIRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS TO AVOID DAMAGING THOSE NOT SCHEDULED FOR REMOVAL, AND SHALL REPLACE ANY DAMAGED PLANTS AT HIS OWN EXPENSE.

EARTHWORK AND ROADWAY

- EARTHWORK SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESPREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION.
- ALL AGGREGATE AND BITUMINOUS BASE COURSES SHALL BE PRIMED. THIS WORK SHALL CONFORM TO THE APPROPRIATE ARTICLES OF SECTION 406 OF THE STANDARD SPECIFICATIONS. THE PRIME COAT FOR AGGREGATE SURFACES SHALL BE MC-30 APPLIED AT A RATE OF 0.30 GALLONS PER SQUARE YARD AND SS-1 APPLIED AT THE RATE OF 0.10 GALLONS PER SQUARE YARD FOR HMA BASES. WHEN THE PRIMED AREA IS TO BE OPEN TO TRAFFIC, A FINE AGGREGATE SHALL BE PLACED IMMEDIATELY AFTER THE PRIME COAT HAS BEEN APPLIED. THE FINE AGGREGATE SHALL CONFORM TO ARTICLES 406.06 OF THE STANDARD SPECIFICATIONS. THESE ITEMS WILL BE PAID FOR SEPARATELY AS BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT).
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION: ITEM NO. 2100100 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL ONLY BE UTILIZED IN AREAS THAT HAVE BEEN IDENTIFIED AS SUBGRADE UNDERCUTS AREAS OR WHERE DETERMINED IN THE FIELD BY A GEOTECHNICAL ENGINEER. THE FABRIC WILL BE USED IN COMBINATION WITH PGE SUBGRADE. THE QUANTITY INCLUDED IN THE PLANS IS BASED ON THE SUBSURFACE INVESTIGATION PREPARED BY TESTING SERVICE CORPORATION RECOMMENDATIONS FOR UNDERCUT AREAS.
- ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
- PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.

REMOVAL NOTES

- MAILBOXES: THE WORK REQUIRED FOR THE REMOVAL AND REPLACEMENT OF PERMANENT MAILBOXES IS SPECIFIED IN THE SPECIAL PROVISIONS AND DETAILED IN THE PLANS. IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, THE WORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION.
- MAILBOXES SHALL BE TEMPORARILY MOVED BECAUSE OF CONSTRUCTION OPERATIONS. MAILBOXES MAY HAVE TO BE MOVED MORE THAN ONCE. THE CONTRACTOR SHALL TEMPORARILY PLACE AND SUPPORT THE MAILBOX SO THAT IT IS SUITABLE FOR MAIL DELIVERY. MAINTAINING THE MAILBOX DURING CONSTRUCTION AND PLACING IT IN ITS PERMANENT LOCATION WILL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION. IF THE MAILBOX OR SUPPORT IS DAMAGED BY THE CONSTRUCTION OPERATIONS IT WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE PROJECT.
- SAW CUTS: FULL DEPTH SAW CUT IS REQUIRED FOR THE REMOVAL OF PAVEMENT, BUTT JOINTS, PATCHES, DRIVEWAYS, OR ANY OTHER STRUCTURES THAT ARE ALL ON PIECE WITH NO CONSTRUCTION JOINTS THE SAW CUT SHALL BE MADE AT THE LIMITS OF CONSTRUCTION OR OTHER AREAS AS REQUIRED TO PERFORM THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE SAW CUT SHALL BE ACCOMPLISHED WITH A "PAVEMENT SAW". VERMEER TYPE TRENCHERS WILL NOT BE ALLOWED FOR FINAL SAW CUT AT THE LIMITS OF CONSTRUCTION. THESE SAW CUTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE APPLICABLE ITEM BEING REMOVED

SUMMARY OF COMMITMENTS

- THE KANE COUNTY FOREST PRESERVE LAND THAT WILL BE USED FOR COMPENSATORY STORMWATER STORAGE SHALL BE RESTORED WITH NATIVE GRASSES OR TO MATCH THE EXISTING SURROUNDING VEGETATION.
- NO LAND ON KANE COUNTY FOREST PRESERVE THAT IS CURRENTLY USED FOR RECREATIONAL PURPOSES SHALL BE UTILIZED FOR COMPENSATORY STORAGE.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORIC, AS-BUILT OR OTHER EXISTING DOCUMENTS AND PLANS MUST CONTACT THE OWNER OF RECORD TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION.

DRY HYDRANT

THE EXISTING DRY HYDRANT ATTACHED TO THE BRIDGE SHALL BE REMOVED AND SALVAGED. THE HYDRANT SHALL BE RETURNED TO THE ELGN TOWNSHIP HIGHWAY DEPARTMENT AT 725 SOUTH MCLEAN BLVD., ELGIN, IL.

INDEX OF SHEETS

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60	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 36" (900 MM) DIA. AT RIGHT ANGLES WITH ROADWAY
542401-01	METAL END SECTION FOR PIPE CULVERTS
542406-01	METAL END SECTION FOR PIPE ARCHES
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
604001-03	FRAMES AND LIDS TYPE 1
604036-02	GRATE TYPE 8
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-07	TRAFFIC BARRIER TERMIAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-RD OPERATION 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATION 2L, 2W, 4.5 M 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
BLR 26-3	STEEL PLATE BEAM GUARDRAIL 29" HEIGHT

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5 m)
BD-32	BUTT JOINTS AND HMA TAPER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN (DISTRICT 1)

FILE NAME = P:\CBBEL\WEST Projects\2009\09-0073 HoppsRd\11\GENNOTES.dgn



USER NAME = nparr1s	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 1/3/2012	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES,
INDEX & STANDARDS**

SCALE: SHEET NO. 2 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	2
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			100% LOCAL
					ROADWAY 0004 RURAL	BRIDGE 0011 RURAL	TRAINEES 0042 RURAL	ROADWAY 0004 RURAL
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	149	149			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	94	94			
	20101100	TREE TRUNK PROTECTION	EACH	7	7			
	20200100	EARTH EXCAVATION	CU YD	1,771	1,771			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,215	1,215			
	20300100	CHANNEL EXCAVATION	CU YD	290	290			
	20400800	FURNISHED EXCAVATION	CU YD	484	484			
	20800150	TRENCH BACKFILL	CU YD	145	145			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,576	1,576			
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	4,529	4,529			
*	25000110	SEEDING, CLASS 1A	ACRE	0.4	0.4			
*	25000210	SEEDING, CLASS 2A	ACRE	0.2	0.2			
*	25000310	SEEDING, CLASS 4	ACRE	0.3	0.3			
*	25000312	SEEDING, CLASS 4A	ACRE	0.1	0.1			
*	25000314	SEEDING, CLASS 4B	ACRE	0.2	0.2			
*	25000320	SEEDING, CLASS 5	ACRE	0.3	0.3			
*	25000324	SEEDING, CLASS 5B	ACRE	0.2	0.2			
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50			
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	50	50			
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50			
*	25100630	EROSION CONTROL BLANKET	SQ YD	4,315	4,315			
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	415	415			
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	171	171			
	28000305	TEMPORARY DITCH CHECKS	FOOT	285	285			
	28000400	PERIMETER EROSION BARRIER	FOOT	2,041	2,041			
	28000500	INLET AND PIPE PROTECTION	EACH	4	4			
	28000510	INLET FILTERS	EACH	4	4			
	28100107	STONE RIPRAP, CLASS A4	SQ YD	454		454		
	28200200	FILTER FABRIC	SQ YD	454		454		
	31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	60	60			
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	225	225			
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	82	82			
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	4.3	4.1			0.2

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WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 3	OF 80 SHEETS	STA. TO STA.

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 3
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			100% LOCAL
					ROADWAY 0004 RURAL	BRIDGE 0011 RURAL	TRAINEES 0042 RURAL	ROADWAY 0004 RURAL
40600300	AGGREGATE (PRIME COAT)	TON	5.6	4.9			0.7	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	26				26	
40600990	TEMPORARY RAMP	SQ YD	26				26	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,013	1,013				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	338	304			34	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	32	32				
44000100	PAVEMENT REMOVAL	SQ YD	2,525	2,525				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	297				297	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	252	252				
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	341	341				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	564	564				
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1			
50105220	PIPE CULVERT REMOVAL	FOOT	255	255				
50200100	STRUCTURE EXCAVATION	CU YD	218		218			
50200300	COFFERDAM EXCAVATION	CU YD	81		81			
50201101	COFFERDAM (TYPE 1)(LOCATION-1)	EACH	1		1			
50300225	CONCRETE STRUCTURES	CU YD	82.6		82.6			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	98.0		98.0			
50300260	BRIDGE DECK GROOVING	SQ YD	441		441			
50300280	CONCRETE ENCASEMENT	CU YD	4.2		4.2			
50300300	PROTECTIVE COAT	SQ YD	441		441			
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	2,045		2,045			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	34,600		34,600			
* 50901050	STEEL RAILING, TYPE SM	FOOT	188		188			
51201600	FURNISHING STEEL PILES HP12X53	FOOT	980		980			
51202305	DRIVING PILES	FOOT	980		980			
51203600	TEST PILE STEEL HP12X53	EACH	3		3			
51204650	PILE SHOES	EACH	18		18			
51500100	NAME PLATES	EACH	1		1			
54215418	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"	EACH	2	2				
54215550	METAL END SECTIONS 15"	EACH	1	1				
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	108	108				

FILE NAME = P:\CBBEL_MEST Projects\2009\09-0073 HoppesPHI\Civil\Ogr\Sh\A_S00_02.dgn

WBK
WILLS BURKE KELSEY ASSOCIATES LTD.
 110 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nperris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 1/3/2012	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 4 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63644				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			100% LOCAL
					ROADWAY 0004 RURAL	BRIDGE 0011 RURAL	TRAINEES 0042 RURAL	ROADWAY 0004 RURAL
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	400	400			
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	24		24		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2			
	60107600	PIPE UNDERDRAINS 4"	FOOT	903	903			
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3			
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
	60500060	REMOVING INLETS	EACH	1	1			
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	287.5	287.5			
*	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4			
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2			
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1			
	63200310	GUARDRAIL REMOVAL	FOOT	182	182			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8			
	67100100	MOBILIZATION	L SUM	1	1			
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4			
*	72000100	SIGN PANEL - TYPE 1	SQ FT	16	16			
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4			
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6			
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	4,502	4,502			
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	24	24			
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	11	11			
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
*	A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	3	3			
*	A2008466	TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
*	B2001168	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	1	1			
*	K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	4	4			
*	K1003660	MOWING CYCLES	EACH	3	3			
*	Xx008645	TEMPORARY INFORMATIONAL SIGNS	EACH	2	2			
	X0323586	PIPE DRAIN REMOVAL	FOOT	10	10			
	X0326806	WASHOUT BASIN	L SUM	1	1			
	X2020110	GRADING AND SHAPING SHOULDERS	UNIT	1.6				1.6
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	40		40		

FILE NAME = P:\CBBEL\MEST Projects\06-0073 Hoppers\PHI\Civil\Dgn\Shk\S00_03.dgn



USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 1/3/2012	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 5 OF 80 SHEETS	STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63644				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			100% LOCAL
					ROADWAY 0004 RURAL	BRIDGE 0011 RURAL	TRAINEES 0042 RURAL	ROADWAY 0004 RURAL
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100			
	X4811700	AGGREGATE SHOULDERS (SPECIAL)	CU YD	8	8			
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	228		228		
	X6310190	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED), MODIFIED	EACH	1	1			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
	XX006345	TURBIDITY BARRIER	FOOT	140	140			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	3,315	3,315			
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	50	50			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	2	2			
	Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	500	500			
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	112		112		
	Z0076600	TRAINEES	HOUR	500			500	

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WBK
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparr13	DESIGNED - KMA	REVISED -
	DRAWN - RPD	REVISED -
PLOT SCALE =	CHECKED - RPD	REVISED -
PLOT DATE = 1/3/2012	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
8	88+12.19	24.0		8"
7	88+13.89	29.6		7"
6	88+27.94	30.3		6"
12	99+09.90	63.7		12"
12	91+10.10	44.2		MS 6", 6"
6	91+16.60	45.1		6"
14	91+48.60	44.4		14"
12	91+51.20	43.9		12"
10	91+94.23	49.0		10"
12	91+99.10	59.3		12.0
12	92+01.10	57.8		12"
16	92+52.35	29.1		MS-8", 8"
12	92+58.87		28.4	MS-6", 6"
10	93+89.93		41.0	10"
149	TOTAL			

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
18	94+09.64		39.93	18"
40	94+68.67		41.68	36"
36	95+74.97	30.52		36"
94	TOTAL			

20101100 TREE TRUNK PROTECTION

EACH	LOCATION	O/S (LT.)		REMARKS
1	88+42.80	32.1	RT	
1	89+14.60	33.0	RT	
1	91+46.80	71.4	LT	
1	93+21.20	41.3	RT	
1	94+41.40	33.1	LT	
1	94+68.70	41.7		
1	95+04.50	33.9	LT	
7	TOTAL			

20800150 TRENCH BACKFILL

VOLUME (CU YD)	LOCATION	O/S	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	REMARKS
105.4	90+88.10	RT	87.6	5.0	6.5	18" STORM
26.4	94+23.70	RT	24.6	5.0	5.8	18" STORM
12.7	95+58.90	RT	19.9	4.0	4.3	15" STORM
145.0						

50105220 PIPE CULVERT REMOVAL

FOOT	LOCATION		O/S	REMARKS
56	90+58.50	091+14.50	LT	DRIVEWAY
171	90+59.00	092+30.29	LT	DRAIN TILE
27	95+46.00	095+73.00	RT	DRIVEWAY
255	TOTAL			

54215418 CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"

EACH	LOCATION	O/S		REMARKS
1	92+26.40	25.0	RT	
1	92+72.60	25.0	RT	
2	TOTAL			

54215550 METAL END SECTIONS 15"

EACH	LOCATION	O/S		REMARKS
1	92+32.70	65.0	LT	
1	TOTAL			

550A0070 STORM SEWERS, CLASS A, TYPE 1 15"

FOOT	LOCATION		O/S	REMARKS
5	94+96.90	94+96.90	RT	
79	94+96.90	95+76.30	RT	
24	92+09.60	92+32.70	LT	
108	TOTAL			

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SCHEDULE OF QUANTITIES

550A0090 STORM SEWERS, CLASS A, TYPE 1 18"

FOOT	LOCATION	O/S	REMARKS
66	90+55.50	91+20.70	RT
110	91+20.70	92+31.00	RT
224	92+72.60	94+97.00	RT
400	TOTAL		

60100060 CONCRETE HEADWALLS FOR PIPE DRAINS

EACH	LOCATION	O/S	REMARKS
1	90+89.70	32.8	LT
	92+15.60	28.0	LT
	92+15.60	28.0	RT
	92+88.60	28.0	LT
	92+88.60	28.0	RT
1	95+00.00	27.7	LT
2	TOTAL		

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION	O/S	REMARKS
177	89+18.80	90+87.60	LT ALONG EOP
127	89+50.00	90+69.70	LT ALONG EOP
23	90+69.70	90+76.50	RT ALONG EOP
54	94+96.88	95+00.00	LT/RT ACROSS ROAD
261	95+00.00	97+60.20	LT ALONG EOP
261	95+00.00	97+60.20	RT ALONG EOP
903	TOTAL		

60200805 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE

EACH	LOCATION	O/S	REMARKS
1	90+58.50	31.0	RT
1	TOTAL		

60207605 CATCH BASINS, TYPE C, TYPE 8 GRATE

EACH	LOCATION	O/S	REMARKS
1	94+96.90	31.0	RT
1	94+97.00	40.1	RT
1	95+76.30	28.0	RT
3	TOTAL		

60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION	O/S	REMARKS
1	91+20.70	25.0	RT
1	92+09.60	65.0	LT
1	94+96.90	25.0	RT
3	TOTAL		

60500060 REMOVING INLETS

EACH	LOCATION	O/S	REMARKS
1	RT. STA. & OFFSET	94+96.90	30.5
1	TOTAL		

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION	O/S	REMARKS
25	LT. STA.	92+06.00	TO 92+31.00 ROADWAY
20	RT. STA.	92+10.00	TO 92+30.00 ROADWAY
43	LT. STA.	92+31.00	TO 92+74.00 BRIDGE
44	RT. STA.	92+30.00	TO 92+74.00 BRIDGE
25	LT. STA.	92+74.00	TO 92+99.00 ROADWAY
25	RT. STA.	92+74.00	TO 92+99.00 ROADWAY
182	TOTAL		

72000100 SIGN PANEL - TYPE 1

SQ FT	LOCATION	O/S	SQ IN	REMARKS
6.25	88+80.70	30.2	LT	900.0 R1-1
1.07	89+17.10	22.2	LT	154.0 SECFPD SIGN
6.25	91+06.10	35.6	RT	900.0 R1-1
1.07	94+43.30	17.8	LT	154.0 SECFPD SIGN
1.07	95+81.90	16.8	LT	154.0 SECFPD SIGN
16	TOTAL			

72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A

EACH	LOCATION	REMARKS
1	STA. 89+17, 22.2' RT	SECFPD SIGN
1	STA. 91+06, 36.6' RT	STOP SIGN
1	STA. 94+43, 17.8' RT	SECFPD SIGN
1	STA. 95+82, 16.8' RT	SECFPD SIGN
4	TOTAL	

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SCHEDULE OF QUANTITIES

72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A

EACH	LOCATION	O/S	REMARKS
1.00	90+61.40	36.0 RT	LT STREET SIGN
1.00	91+82.90	37.4 LT	LT KCFPD
1.00	91+87.60	20.0 RT	RT KANE CO. STREAM
1.00	93+16.60	20.0 LT	LT KANE CO. STREAM
1.00	96+07.30	30.3 LT	LT KCFPD
1.00	96+94.60	29.6 LT	AUTHORIZED VEHICLE

6

Z0025500 FURNISHING AND INSTALLING PROPERTY MARKERS

EACH	LOCATION	O/S	REMARKS
1	87+95.00	33.0	LT
1	97+60.20	33.0	LT

2 TOTAL

X0323586 PIPE DRAIN REMOVAL

FOOT	LOCATION	REMARKS
10	94+96.90 TO 94+97.20	N/S PIPE DRAIN

10 TOTAL

STRIPING AND GUARDRAIL SCHEDULE

LOCATION	63000001	63100087	63100167	63100169	78008210	78008270	78200410	78201000	X6310190
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	POLYUREA PAVEMENT MARKING TY 1 - LINE 4"	POLYUREA PAVEMENT MARKING TY 1 - LINE 24"	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER - DIRECT APPLIED	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED), MODIFIED
	(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
MAINLINE									
87+00.00 - 87+95.00					380				
87+95.00 - 88+00.00					20				
88+00.00 - 88+20.00					80				
88+20.00 - 88+50.00					120				
88+50.00 - 89+00.00					200				
89+00.00 - 89+50.00					200				
89+50.00 - 90+00.00					200				
90+00.00 - 90+50.00					196				
90+50.00 - 91+00.00				1.0	128	11.9		1.0	
91+00.00 - 91+50.00	26.3				176	12.1	1.0	1.0	1.0
91+50.00 - 91+89.60	23.7				158				
91+89.60 - 92+00.00					42				
92+00.00 - 92+19.10		2.0			76		2.0		
BRIDGE									
92+85.10 - 93+00.00		2.0			264		2.0		
93+00.00 - 93+14.60					60				
93+14.60 - 93+50.00	38.9		1.0		58		1.0		
93+50.00 - 94+00.00	55.6				142				
94+00.00 - 94+50.00	50.0				200		2.0		
94+50.00 - 95+00.00	50.0				200		1.0	1.0	
95+00.00 - 95+50.00	43.1		1.0		200		1.0		
95+50.00 - 96+00.00					200			1.0	
96+00.00 - 96+50.00					200				
96+50.00 - 97+00.00					200				
97+00.00 - 97+35.00					140				
97+35.00 - 97+50.00					60				
97+50.00 - 97+60.00					40				
97+60.00 - 98+50.00					360				
TOTAL	287.5	4.0	2.0	1.0	4501.2	24.0	11.0	4.0	1.0
ADJUSTED TOTAL	287.5	4.0	2.0	1.0	4,502.0	24.0	11.0	4.0	1.0

FILE NAME = P:\CBBEL\WEST\Projects\2009\09-0073\HopsaPH11\Civil\Drawings\ASPH\EDULE.dwg



USER NAME = nparriss	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - RPD	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET NO. 9 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

EARTHWORK SCHEDULES

LOCATION	END AREAS			EARTH WORK					SUBGRADE IMPROVEMENT			
	TOPSOIL STRIPPING (TSS)	CUT (C)	FILL (F)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	20200100 EARTH EXCAVATION	20200100 COMP STORAGE EARTH EXCAVATION	EMBANKMENT	BALANCE WASTE (+) or SHORTAGE (-)	20300100 CHANNEL EXCAVATION	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	Z0042002 POROUS GRANULAR EMBANKMENT SUBGRADE	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
MAINLINE												
87+95.00	18.4	43.9	0.0									
88+00.00	17.2	45.1	0.1	3.3	8.2							
88+20.00	18.2	48.2	0.1	13.1	34.6		0.1					
88+50.00	16.5	51.7	0.0	19.3	55.5		0.1					
88+95.65	8.4	66.2	0.0	21.1	99.7							
89+00.00	8.2	67.0	0.0	1.3	10.7							
89+36.07	9.5	78.4	0.0	11.8	97.1							
89+50.00	18.8	73.8	0.0	7.3	39.3							
90+00.00	19.2	53.5	1.5	35.2	117.9		1.4					
90+50.00	26.0	46.9	6.2	41.9	93.0		7.1					
90+88.13	16.4	28.9	6.0	29.9	53.5		8.6					
91+00.00	27.8	102.0	4.4	9.7	9.7	19.0	2.3					
91+50.00	36.8	147.7	18.4	59.8	36.7	194.5	21.1					
91+89.60	37.2	133.0	31.4	54.3	28.1	177.8	36.5					
92+00.00	39.4	117.3	29.9	14.8	8.3	39.9	11.8					
92+19.10	39.2	62.7	66.5	27.8	14.2	49.5	34.1					34.4
BRIDGE												
92+85.10	23.0	17.0	68.9									41.1
93+00.00	21.7	14.8	47.6	12.3	8.8		32.2					
93+14.60	22.5	16.6	44.9	12.0	8.5		25.0					
93+50.00	20.7	7.0	42.4	28.3	15.5		57.2					
94+00.00	24.7	15.6	59.4	42.0	20.9		94.3					
94+23.63	8.5	23.6	29.5	14.5	17.2		38.9					
94+50.00	28.4	17.9	51.6	18.0	20.3		39.6					
94+77.00	30.4	19.9	51.0	29.4	18.9		51.3					
94+97.00	30.5	22.7	54.5	22.6	15.8		39.1					
95+00.00	30.4	23.0	54.6	3.4	2.5		6.1					
95+50.00	7.3	45.1	5.9	34.9	63.1		56.0					
95+59.04	8.4	48.0	8.2	2.6	15.6		2.4					
96+00.00	20.7	70.5	3.5	22.1	89.9		8.9					
96+50.00	21.5	48.4	4.2	39.1	110.1		7.1					
97+00.00	19.8	46.9	3.3	38.2	88.2		6.9					
97+50.00	17.9	34.0	17.6	34.9	74.9		19.4					
97+60.00	17.5	37.3	13.6	6.6	13.2		5.8					
CHANNEL EX												
1+00.00		18.3	0.0									
1+13.00		150.0	0.0					40.5				
1+30.00		209.8	0.0					113.3				
1+47.00		120.9	0.0					104.1				
1+60.00		8.2	0.0					31.1				
ESTIMATED										500.0	500.0	1500.0
SHRINKAGE FACTOR	15%		TOTAL	711.5	1,289.7	480.7	613.1	483.1	289.0	500.0	500.0	1,575.6
			ADJ. TOTAL	715.0	1,290.0	481.0	613.0	484.0	290.0	500.0	500.0	1,576.0
				1,771.0								

EARTHWORK GENERAL NOTES

- ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.
- SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTOR SHALL ESTIMATE HIS OWN SHRINKAGE FACTORS IN DETERMINING HIS EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.
- RECOMMENDATIONS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORPORATION, DATED, JANUARY 19, 2011 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED QUANTITY CALCULATIONS.
- AS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT, THE TOPSOIL THICKNESS WAS ESTIMATED AT 3-8 INCHES. SIX (6) INCHES WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.
- IF UNDERCUTS ARE ENCOUNTERED, UNDERCUTS WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. AFTER TOPSOIL STRIPPING AND VEGETATION CLEARING AND PRIOR TO UNDERCUTTING, THE SUBGRADE WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.
- TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIRMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCLUDED IN THE COST OF EXCAVATION.
- IN ADDITION TO ANY AREAS SHOWN ON THE PLANS, 500 CY OF POROUS GRANUALR EMBANKMENT SUBGRADE HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE SOILS ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL AND ROLL USING FULL LOAD SEMD), IF UNSUITABLE AND/OR UNSTABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

FURNISHED EXCAVATION

LOCATION	EARTH EXC.	SHRINKAGE	EMBANKMENT	BALANCE
WEST	706	15%	123	+477.37
EAST	583	15%	490	+5.75
TOTAL	1290		613	+484.00

- FURNISHED EXCAVATION DETERMINED SEPERATELY ON EAST AND WEST SIDE
- ASSUMED COMP STORAGE MATERIAL TO BE UNSUITABLE FOR FURNISHED EXCAVATION
- ASSUMED 15% SHRINKAGE FACTOR IS APPLIED ON EAST AND WEST SIDE
- ASSUMED THE REMAINING MATERIAL ON THE EAST AND WEST SIDE WILL BE UNSUITABLE

FILE NAME = P:\CIBEL\WEST Projects\2009\09-0073_Hesperia\TAC\civil\Drawings\SCH\EBUL4.dgn



USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - RPD	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	10
CONTRACT NO. 63644				
SCALE:	SHEET NO. 10 OF 80 SHEETS	STA. TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAVEMENT REMOVAL SCHEDULE

LOCATION	40600982	40600990	44000100	44000157	44000200
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	DRIVEWAY PAVEMENT REMOVAL
	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
MAINLINE					
87+00.00 - 87+95.00	25.7	25.7		296.6	
87+95.00 - 88+00.00			12.9		
88+00.00 - 88+20.00			51.7		
88+20.00 - 88+50.00			77.5		
88+50.00 - 89+00.00			129.1		
89+00.00 - 89+50.00			129.2		
89+50.00 - 90+00.00			128.4		
90+00.00 - 90+50.00			128.5		
90+50.00 - 91+00.00			263.6		
91+00.00 - 91+50.00			163.7		
91+50.00 - 91+89.60			100.2		
91+89.60 - 92+00.00			26.2		
92+00.00 - 92+19.10			48.0		
BRIDGE			57.0		
92+85.10 - 93+00.00			37.4		
93+00.00 - 93+14.60			36.7		
93+14.60 - 93+50.00			89.7		
93+50.00 - 94+00.00			126.8		
94+00.00 - 94+50.00			127.6		
94+50.00 - 95+00.00			127.0		
95+00.00 - 95+50.00			126.5		
95+50.00 - 96+00.00			127.1		
96+00.00 - 96+50.00			127.8		
96+50.00 - 97+00.00			127.9		
97+00.00 - 97+35.00			89.6		
97+35.00 - 97+50.00			38.4		
97+50.00 - 97+60.00			25.6		
ENTRANCE					
88+95.70					54.9
89+36.10					64.0
94+23.70					71.9
95+59.20					60.6
TOTAL	25.7	25.7	2,524.1	296.6	251.5
ADJUSTED TOTAL	26.0	26.0	2,525.0	297.0	252.0

EROSION CONTROL SCHEDULE

LOCATION	25100630	25100635	28000250	28000305	28000400	28000500	28000510	28100107	28200200
	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS	STONE RIPRAP, CLASS A4	FILTER FABRIC
	(SQ YD)	(SQ YD)	(POUND)	(FOOT)	(FOOT)	(EACH)	(EACH)	(SQ YD)	(SQ YD)
MAINLINE									
87+00.00 - 87+95.00	205.2		8.6		184.0				
87+95.00 - 88+00.00	19.9		0.8	10.0	10.0				
88+00.00 - 88+20.00	79.5		3.2		40.0				
88+20.00 - 88+50.00	112.7		4.7	20.0	60.0				
88+50.00 - 89+00.00	151.3		6.3	10.0	83.0				
89+00.00 - 89+50.00	132.0		5.5	20.0	80.0				
89+50.00 - 90+00.00	188.1		7.8	10.0	100.0				
90+00.00 - 90+50.00	225.5		9.3	10.0	103.0				
90+50.00 - 91+00.00	271.5		11.2	10.0	97.0	1.0	1.0		
91+00.00 - 91+50.00	371.2	6.5	12.5		88.0				
91+50.00 - 91+89.60	227.7	63.2	6.0	10.0	80.0				
91+89.60 - 92+00.00	59.8	17.0	1.3		21.0				
92+00.00 - 92+19.10	189.5	32.3	2.4	10.0	39.0				
BRIDGE								454.0	454.0
92+85.10 - 93+00.00	33.5	25.3	4.3	10.0	35.0				
93+00.00 - 93+14.60	32.3	23.9	2.3		30.0				
93+14.60 - 93+50.00	84.6	58.1	5.9	10.0	72.0				
93+50.00 - 94+00.00	165.3	77.1	10.0	10.0	101.0				
94+00.00 - 94+50.00	209.9	10.6	9.1		88.0		1.0		
94+50.00 - 95+00.00	301.9		12.5	10.0	56.0	1.0			
95+00.00 - 95+50.00	296.5		12.3		88.0	1.0			
95+50.00 - 96+00.00	166.5		6.9		85.0	1.0	1.0		
96+00.00 - 96+50.00	225.4		9.2		100.0				
96+50.00 - 97+00.00	232.5		9.6	10.0	109.0				
97+00.00 - 97+35.00	132.2		5.5	10.0	70.0				
97+35.00 - 97+50.00	58.3		2.4	10.0	30.0				
97+50.00 - 97+60.00	41.3		1.4	10.0	57.0				
MAINTENANCE	100.0	100.0		95.0	50.0		1.0		
TOTAL	4,314.1	414.1	170.9	285.0	2,041.0	4.0	4.0	454.0	454.0
ADJUSTED TOTAL	4,315.0	415.0	171.0	285.0	2,041.0	4.0	4.0	454.0	454.0

FILE NAME = P:\SUBBEL WEST Projects\28000510\28000510.dgn



USER NAME = nparriss	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - RPD	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 11 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	11
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE

LOCATION	OFF.	31101100	35501308	35501316	40300200	40600300	40603080	40603335	42001430	48101500	48203029	X2020110	X4811700	Z0001050
		SUBBASE GRANULAR MATERIAL, TYPE B	HOT-MIX ASPHALT BASE COURSE, 6"	HOT-MIX ASPHALT BASE COURSE, 8"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 8"	GRADING AND SHAPING SHOULDERS	AGGREGATE SHOULDER, SPECIAL	AGGREGATE SUBGRADE 12"
		(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(UNIT)	(CU YD)	(SQ YD)
MAINLINE														
87+00.00	-				0.18	0.70		33.7				1.6		
87+95.00	-				0.02	0.03	5.6	1.5		3.4				15.28
88+00.00	-				0.08	0.11	22.4	6.0		16.0				55.56
88+20.00	-				0.11	0.16	33.6	9.0		26.7				83.34
88+50.00	-				0.19	0.27	56.0	14.9		31.4				138.88
89+00.00	-				0.21	0.27	56.0	14.9		20.6				138.88
89+50.00	-				0.27	0.27	56.0	14.9		35.0				138.88
90+00.00	-	0.4			0.27	0.27	56.4	15.0		36.9	10.5			150.50
90+50.00	-	3.4			0.43	0.54	113.0	30.2		11.8	82.3			359.24
91+00.00	-	3.2			0.23	0.33	70.1	18.7		6.0	77.5			250.74
91+50.00	-	2.5			0.15	0.21	44.4	11.4	16.0		59.2			169.19
91+89.60	-	0.2									5.2			61.53
92+00.00	-	0.4									9.6		4.0	79.58
BRIDGE														
92+85.10	-	0.3									7.4		4.0	62.08
93+00.00	-	0.3									7.3			60.84
93+14.60	-	2.1			0.18	0.19	39.6	10.6	16.0		49.1			147.50
93+50.00	-	3.1			0.27	0.27	56.0	14.9			74.2			213.15
94+00.00	-	1.7			0.23	0.27	56.0	14.9			40.3			180.26
94+50.00	-	1.5			0.23	0.27	56.0	14.9		18.0	34.7			180.10
95+00.00	-	1.5			0.23	0.27	56.0	14.9		17.5	34.7			173.61
95+50.00	-	1.8			0.24	0.27	56.0	14.9		2.1	42.0			180.82
96+00.00	-	1.2			0.22	0.27	56.0	14.9		24.4	28.1			167.03
96+50.00	-	0.1			0.20	0.27	56.0	14.9		43.2	1.3			140.15
97+00.00	-				0.13	0.19	39.2	10.5		31.1				97.22
97+35.00	-				0.06	0.08	16.8	4.5		11.4				41.44
97+50.00	-				0.04	0.05	11.3	3.0		5.4				28.22
ENTRANCE														
88+95.70	LT	9.5		81.0				9.1						
89+36.10	RT	7.2	60.2					6.8						
94+23.70	RT	10.5	87.2					9.8						
95+59.20	RT	9.2	77.0					8.6						
NOMINAL														
TOTAL		59.9	224.4	81.0	4.17	5.52	1012.4	337.5	32.0	340.8	563.3	1.6	8.0	3314.02
ADJUSTED TOTAL		60.0	225.0	82.0	4.3	5.6	1,013.0	338.0	32.0	341.0	564.0	1.6	8.0	3,315.0

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USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - RPD	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO. 12 OF 80 SHEETS	STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	12
CONTRACT NO.63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LANDSCAPING SCHEDULE

LOCATION	21101625	25000110	25000210	25000310	25000312	250000314	25000320	25000324	25000400	25000500	25000600	A2002924	A2008466	B2001168	K0013030
	TOPSOIL FURNISH AND PLACE, 6"	SEEDING, CLASS 1A	SEEDING, CLASS 2A	SEEDING, CLASS 4	SEEDING, CLASS 4A	SEEDING, CLASS 4B	SEEDING, CLASS 5	SEEDING, CLASS 5B	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER	TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 7" HEIGHT, CLUMP FORM	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG
	(SQ YD)	(ACRE)	(ACRE)	(ACRE)	(ACRE)		(ACRE)		(POUND)	(POUND)	(POUND)	(EACH)	(EACH)	(EACH)	(UNIT)
MAINLINE															
87+00.00 - 87+95.00	205.2	0.021	0.022						3.9	3.9	3.87				
87+95.00 - 88+00.00	19.9	0.002	0.001	0.001			0.001		0.3	0.3	0.28				
88+00.00 - 88+20.00	79.5	0.008	0.005	0.004			0.004		1.1	1.1	1.12				
88+20.00 - 88+50.00	112.7	0.012	0.007	0.005			0.005		1.7	1.7	1.67				
88+50.00 - 89+00.00	151.3	0.020	0.008	0.004			0.004		2.5	2.5	2.47				
89+00.00 - 89+50.00	132.0	0.012	0.010	0.005			0.005		2.0	2.0	1.99				
89+50.00 - 90+00.00	188.1	0.019	0.011	0.008			0.008		2.8	2.8	2.78				
90+00.00 - 90+50.00	225.5	0.021	0.011	0.015			0.015		2.8	2.8	2.85				
90+50.00 - 91+00.00	271.5	0.015		0.037			0.037		1.4	1.4	1.37				
91+00.00 - 91+50.00	377.7	0.018		0.030	0.001	0.030	0.030	0.030	1.6	1.6	1.62				1.0
91+50.00 - 91+89.60	290.9			0.011	0.013	0.035	0.011	0.035	0.0	0.0	0.00				1.0
91+89.60 - 92+00.00	76.8			0.003	0.004	0.011	0.003	0.011	0.0	0.0	0.00				1.0
92+00.00 - 92+19.10	221.8			0.005	0.007	0.029	0.005	0.029	0.0	0.0	0.00				1.0
BRIDGE															
92+85.10 - 93+00.00	58.8	0.002		0.015	0.005		0.015		0.2	0.2	0.15				
93+00.00 - 93+14.60	56.2	0.002		0.005	0.005		0.005		0.2	0.2	0.15	1.0			
93+14.60 - 93+50.00	142.6	0.005		0.012	0.012		0.012		0.5	0.5	0.49	1.0			
93+50.00 - 94+00.00	242.4	0.017		0.017	0.016		0.017		1.5	1.5	1.55		1.0		
94+00.00 - 94+50.00	220.5	0.026		0.017	0.002		0.017		2.4	2.4	2.38			1.0	
94+50.00 - 95+00.00	301.9	0.045		0.017			0.017		4.1	4.1	4.09				
95+00.00 - 95+50.00	296.5	0.044		0.016			0.016		4.0	4.0	4.00	1.0			
95+50.00 - 96+00.00	166.5	0.019		0.009			0.009		1.7	1.7	1.69				
96+00.00 - 96+50.00	225.4	0.029	0.008	0.008			0.008		3.3	3.3	3.35				
96+50.00 - 97+00.00	232.5	0.029	0.011	0.006			0.006		3.6	3.6	3.61				
97+00.00 - 97+35.00	132.2	0.014	0.008	0.006			0.006		2.0	2.0	1.95				
97+35.00 - 97+50.00	58.3	0.006	0.003	0.003			0.003		0.9	0.9	0.86				
97+50.00 - 97+60.00	41.30	0.004	0.001	0.002			0.002		0.5	0.5	0.47				
TOTAL	4528.2	0.390	0.107	0.257	0.065	0.105	0.257	0.105	44.8	44.8	44.8	3.0	1.0	1.0	4.0
ADJUSTED TOTAL	4,529.0	0.40	0.20	0.30	0.10	0.20	0.30	0.20	50.0	50.0	50.0	3.0	1.0	1.0	4.0

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WILLS BURKE KELSEY ASSOCIATES LTD. <small>116 West Main Street, Suite 201 St. Charles, Illinois 60174</small>	USER NAME = nparris	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - RPD	REVISED -		SCALE:	SHEET NO. 13 OF 80 SHEETS	STA.	TO STA.	2442	04-08107-00-BR	KANE	80
PLOT DATE = 12/16/2011	DATE = 12/19/11	REVISED -						CONTRACT NO.63644				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND, EXISTING

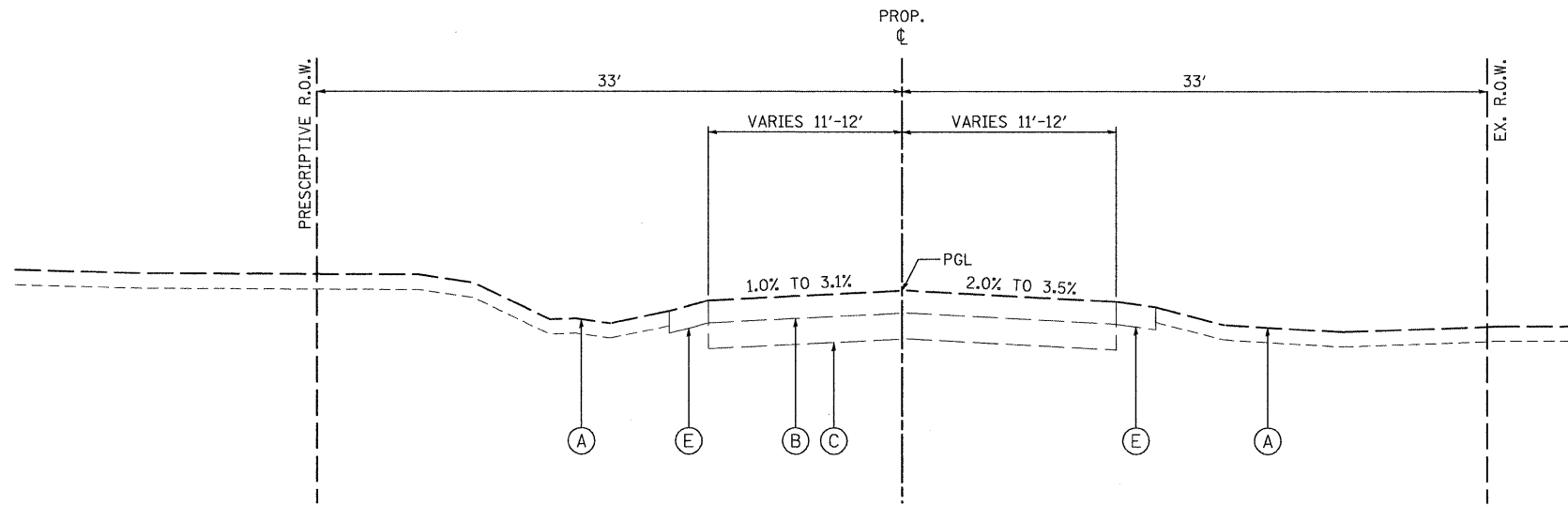
- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.6" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE BASE, 7.5"-11.5" - TO BE REMOVED (INCLUDED IN EARTH EXCAVATION)
- (D) EXISTING TOPSOIL - TO BE REMOVED (20201200)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EXCAVATION)
- (F) EXISTING UNSUITABLE MATERIAL - TO BE REMOVED (20201200)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE ROADWAY GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORPORATION DATED JANUARY 19, 2011. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

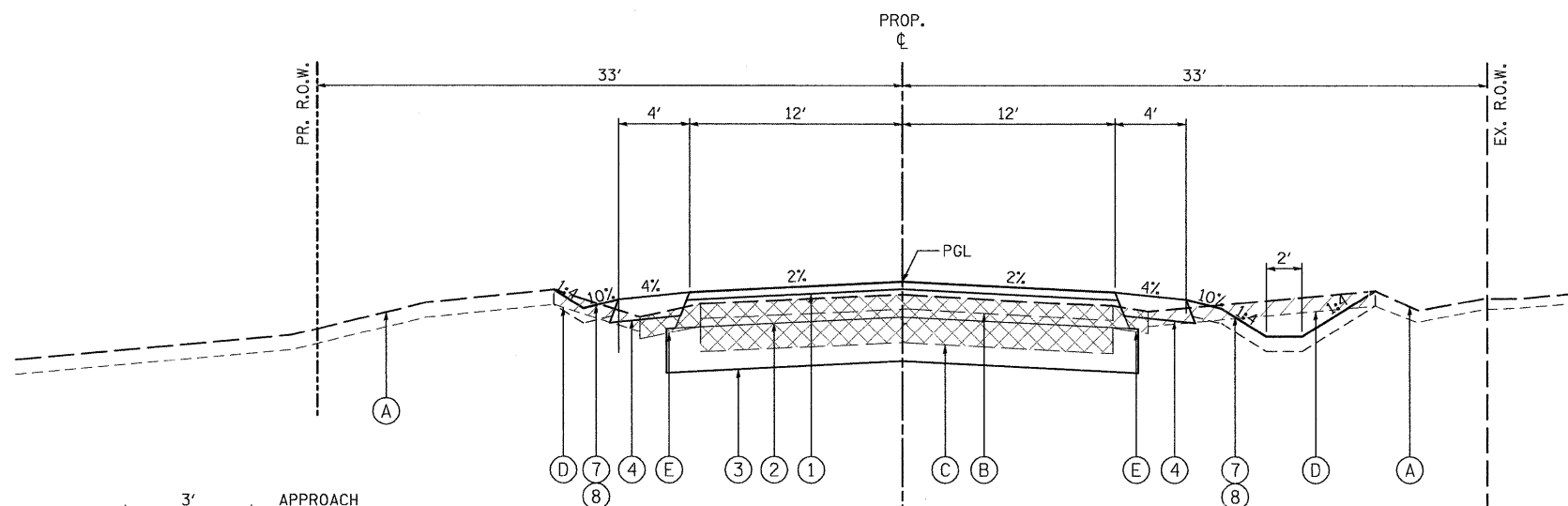
LEGEND, PROPOSED

- ① 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- ② 7 1/2" HMA BINDER COURSE, IL-19.0, N50 (2 LIFTS - 40603080)
- ③ AGGREGATE SUBGRADE, 12" (Z0001050)
- ④ AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- ⑤ HMA SHOULDERS, 8" (48203029)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B (31101100)
- ⑦ 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- ⑧ SEEDING (TYPE AS SPECIFIED) W/EROSION CONTROL OR HD EROSION CONTROL BLANKET
- ⑨ STRUCTURAL EMBANKMENT (TO BE PAID AS FURNISHED EXCAVATION - 20400800)
- ⑩ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- ⑪ PIPE UNDERDRAIN WITH FILTER FABRIC ENVELOPE, 4" (60107600)
- ⑫ POROUS GRANULAR EMBANKMENT, SUBGRADE (20700420)
- ⑬ AGGREGATE WEDGE SHOULDER, TYPE B (48102100)
- ⑭ AGGREGATE SHOULDER, SPECIAL (CA1) (X4811700)
- ⑮ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



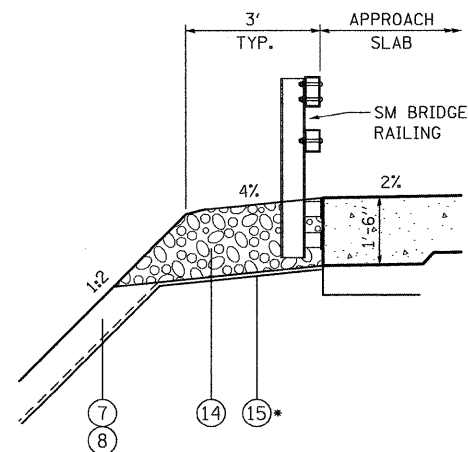
EXISTING TYPICAL SECTION

STA. 87+00.00 TO 97+60.20, HOPPS ROAD



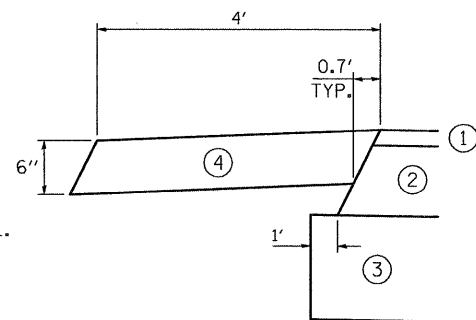
PROPOSED TYPICAL SECTION NO. 1

AGGREGATE SHOULDER
 STA. 87+95.0 TO STA. 90+49.7, HOPPS ROAD
 STA. 94+49.6 RT / 96+37.1 LT TO STA. 97+60.2, HOPPS ROAD
 SHAPING & GRADING SHOULDER
 STA. 87+00.00 TO 87+95.00 LT / 87+55.29 RT, HOPPS ROAD



**TYPICAL SECTION
 AGGREGATE SHOULDER, SPECIAL**

STA. 92+07.11 TO 92+19.12 LT/RT
 STA. 92+85.12 TO 92+91.13 LT/RT



AGGREGATE SHOULDER DETAIL

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2030
 PV = 9500 SU = 300 MU = 200
 ROAD/STREET CLASSIFICATION: Class 2
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 95 S = 3 M = 2
 TRAFFIC FACTOR: Actual TF = 0.57 AC Type = PG 64-22
 Minimum TF = NA
 PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 64-22
 SUBGRADE SUPPORT RATING: SSR = POOR

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	AIR VOIDS @ Ndes
HOPPS ROAD - RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7 1/2" (2 LIFTS)	4% @ 50 GYR.
HOPPS ROAD - APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4" MAX. LIFTS)	4% @ 50 GYR.
HMA SHOULDERS	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 8" (4" MAX. LIFTS)	4% @ 50 GYR.
DRIVEWAYS- C.E./P.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8" (C.E.) (4" MAX. LIFTS)	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6" (P.E.) (2 LIFTS)	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.
 THE AC TYPE FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

FILE NAME = P:\DBBEL_WEST_Projects\2009\09-8073_HoppsPHI\Civil\Drawings\SHA\TYPICAL.dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparriss	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 1/3/2012	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET NO. 14 OF 80 SHEETS STA. TO STA.

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

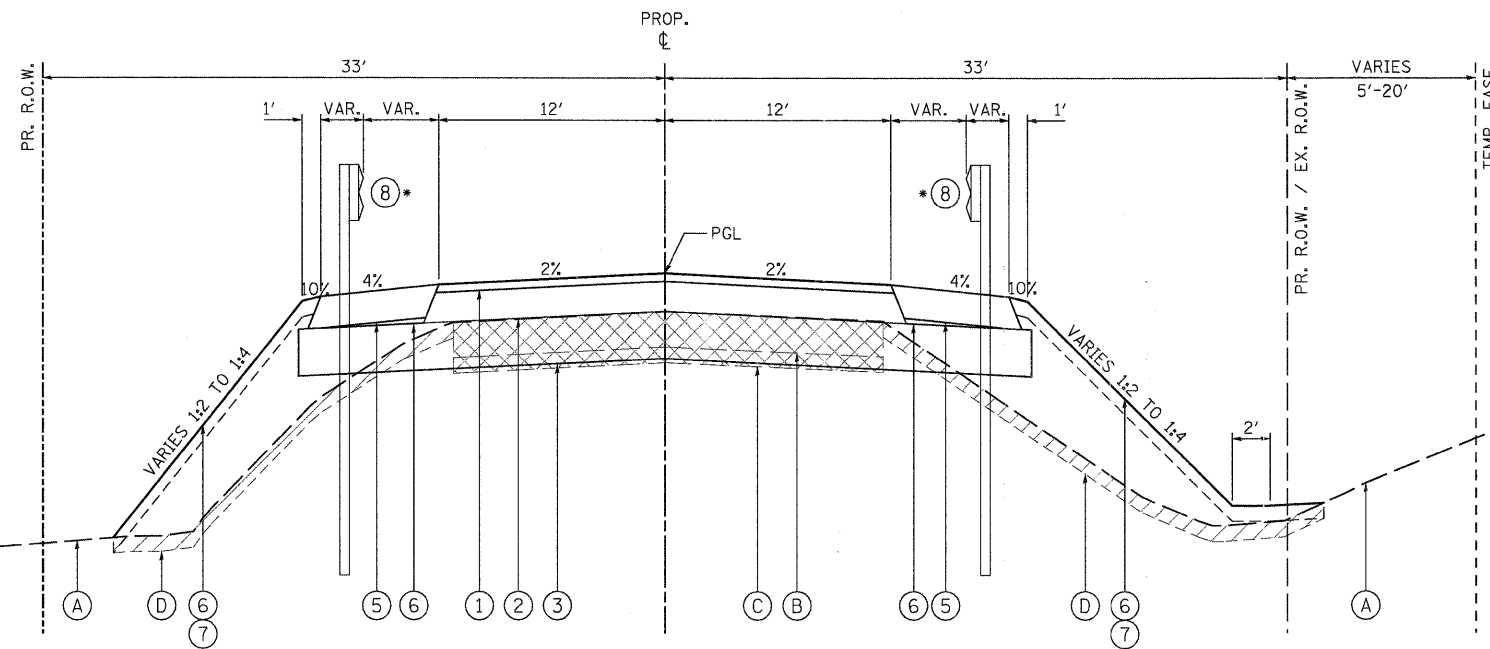
CONTRACT NO. 63644

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.6" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE BASE, 7.5"-11.5" - TO BE REMOVED (INCLUDED IN EARTH EXCAVATION)
- (D) EXISTING TOPSOIL - TO BE REMOVED (20201200)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EXCAVATION)
- (F) EXISTING UNSUITABLE MATERIAL - TO BE REMOVED (20201200)

LEGEND, PROPOSED

- ① 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- ② 7½" HMA BINDER COURSE, IL-19.0, N50 (2 LIFTS - 40603080)
- ③ AGGREGATE SUBGRADE, 12" (Z0001050)
- ④ AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- ⑤ HMA SHOULDERS, 8" (48203029)
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B (31101100)
- ⑦ 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- ⑧ SEEDING (TYPE AS SPECIFIED) W/EROSION CONTROL OR HD EROSION CONTROL BLANKET
- ⑨ STRUCTURAL EMBANKMENT (TO BE PAID AS FURNISHED EXCAVATION - 20400800)
- ⑩ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- ⑪ PIPE UNDERDRAIN WITH FILTER FABRIC ENVELOPE, 4" (60107600)
- ⑫ POROUS GRANULAR EMBANKMENT, SUBGRADE (20700420)
- ⑬ AGGREGATE WEDGE SHOULDER, TYPE B (48102100)
- ⑭ AGGREGATE SHOULDER, SPECIAL (CA1) (X4811700)
- ⑮ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)



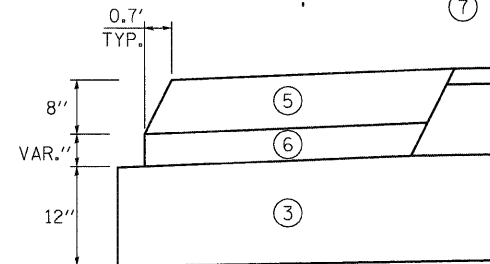
PROPOSED TYPICAL SECTIONS NO. 2

HMA SHOULDER
 STA. 93+14.6 TO STA. 94+79.6 RT, HOPPS ROAD
 STA. 93+14.6 TO STA. 96+67.1 LT, HOPPS ROAD

*GUARDRAIL
 STA. 92+84.6 TO STA. 94+09.6 RT.
 STA. 92+84.6 TO STA. 95+97.1 LT.

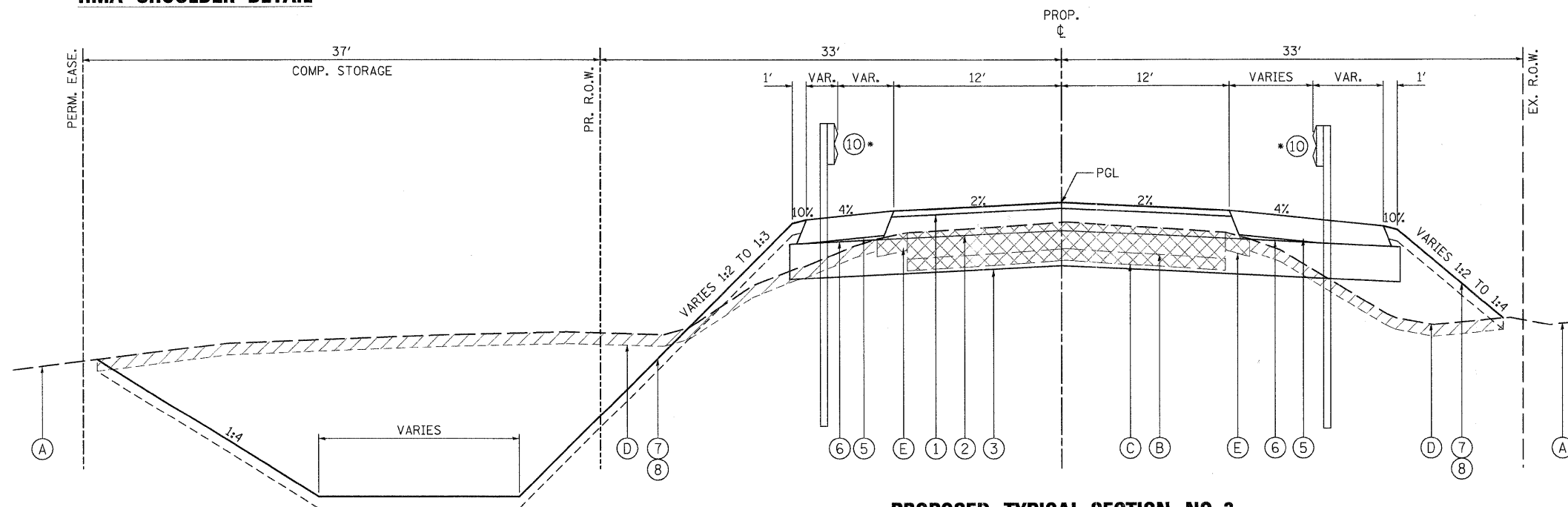
UNDERDRAIN NOTES

1. PIPE UNDERDRAINS TO BE PLACED AS INDICATED ON THE PLANS.
2. CAPS, PLUGS, WYES, AND TEES ARE CONSIDERED INCLUDED IN THE COST OF THE UNDERDRAINS.
3. ALL END RUNS SHALL HAVE A CAP OR PLUG.
4. UNDERDRAINS SHALL BE CONNECTED AS SHOWN ON THE PLANS WHICH COST IS INCLUDED IN THE COST OF THE UNDERDRAINS.
5. UNDERDRAIN MATERIAL SHALL BE PERFORATED CORRUGATED POLYETHYLENE TUBING.
6. EXCAVATION, FABRIC AND POROUS GRANULAR BACKFILL AS SPECIFIED SHALL BE INCLUDED IN THE COST OF THE UNDERDRAIN.



STA. 91+09.9 TO STA. 91+89.6 RT.
 STA. 90+27.6 TO STA. 91+89.6 LT.
 STA. 93+14.6 TO STA. 94+79.6 RT.
 STA. 93+14.6 TO STA. 96+67.1 LT.

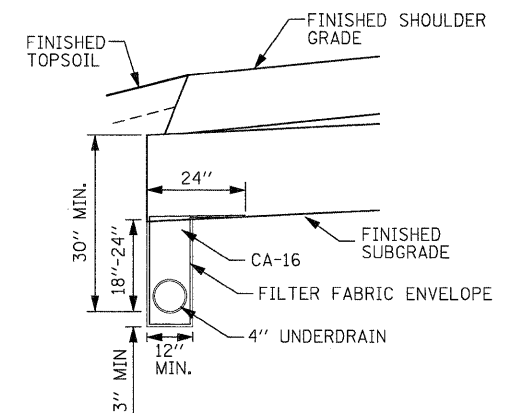
HMA SHOULDER DETAIL



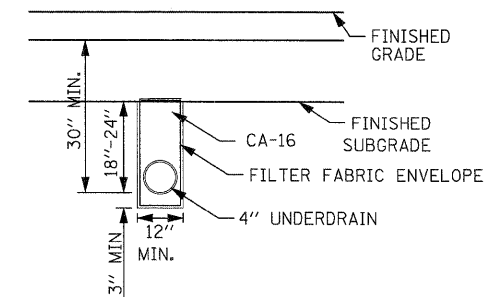
PROPOSED TYPICAL SECTION NO. 3

HMA SHOULDER AT COMPENSATORY STORAGE AREA
 STA. 91+09.9 TO STA. 91+89.6 RT, HOPPS ROAD
 STA. 90+27.6 TO STA. 91+89.6 LT, HOPPS ROAD

*GUARDRAIL
 STA. 91+32.6 TO STA. 92+19.6 RT.
 STA. 90+70.1 TO STA. 92+19.6 LT.



UNDERDRAIN DETAIL - LONGITUDINAL
 STA. 89+22.2 TO STA. 90+86.2 LT.
 STA. 89+73.7 TO STA. 90+76.5 RT.
 STA. 95+00.0 TO STA. 97+60.2 LT./RT.



UNDERDRAIN DETAIL - TRANSVERSE
 STA. 95+00.00

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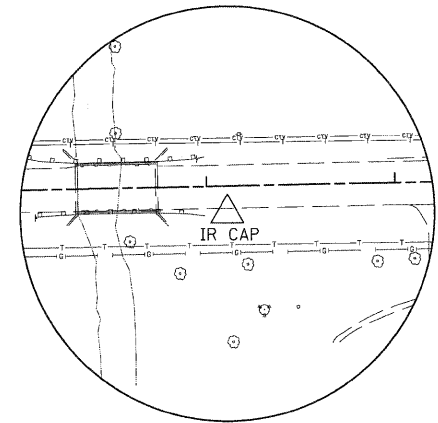
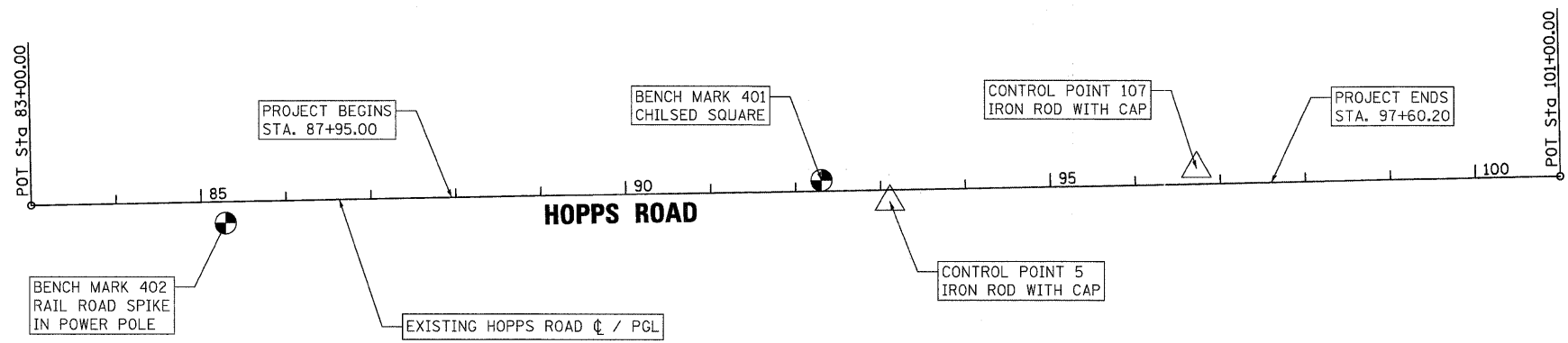
WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nperis	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

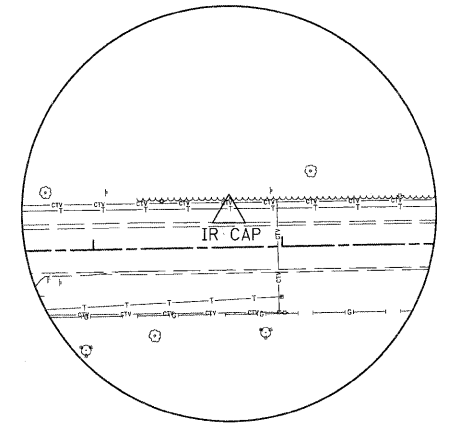
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET NO. 15 OF 80 SHEETS STA. TO STA.

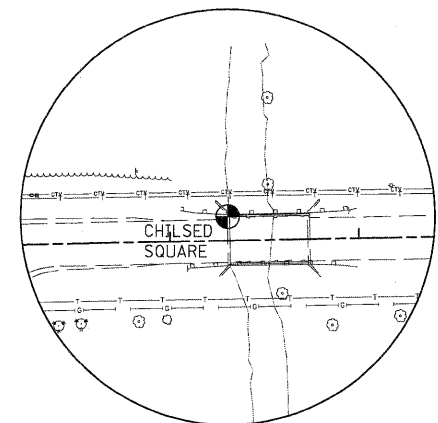
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	15
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



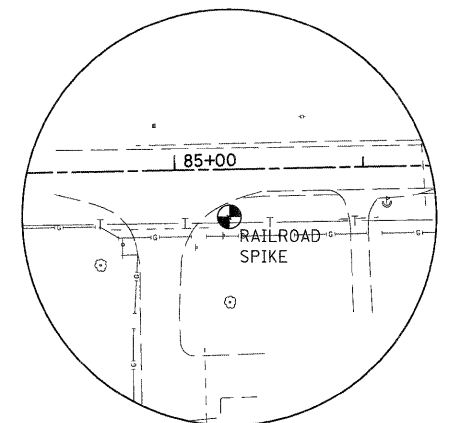
HORIZONTAL CONTROL POINT NO. 5



HORIZONTAL CONTROL POINT NO. 107



BENCH MARK POINT NO. 401



BENCH MARK POINT NO. 402

LEGEND

- = BENCH MARK LOCATION
- = HORIZONTAL CONTROL POINT LOCATION

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
5	1940967.776	977948.507		HR-PR	93+10.81	14.209' RT	IRON PIPE WITH CAP
107	1941006.988	978309.152		HR-PR	96+72.14	18.099' LT	IRON PIPE WITH CAP

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1940966.340	977129.860	781.050	HR-PR	84+92.28	0.010' LT	PK NAIL IN ROADWAY
2	1940980.670	977879.720	779.270	HR-PR	92+42.28	0.002' RT	PK NAIL IN ROADWAY
3	1940994.980	978629.580	786.270	HR-PR	99+92.28	0.034' RT	PK NAIL IN ROADWAY
6	1940969.526	978523.150	783.779	HR-PR	98+85.38	23.448' RT	PK NAIL IN ROADWAY
104	1940987.377	977522.341	781.726	HR-PR	88+85.09	13.538' LT	PK NAIL IN PARK ENTRANCE DRIVEWAY

BENCH MARKS (NAVD 88)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1940993.077	977867.980	779.441	HR-PR	92+30.78	12.627' LT	CHILSED SQUARE
402	1940942.163	977166.632	780.544	HR-PR	85+28.59	24.866' RT	RAILROAD SPIKE IN POWER POLE

FILE NAME = P:\CIBEL WEST - Projects\226191_01-0873 - Hopps\PHI\Drawings\Sheet\ATB.dwg

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 St. Charles, Illinois 60174

USER NAME = npearris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES
 & BENCHMARKS**

SCALE: SHEET NO. 16 OF 80 SHEETS STA. TO STA.

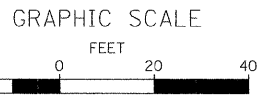
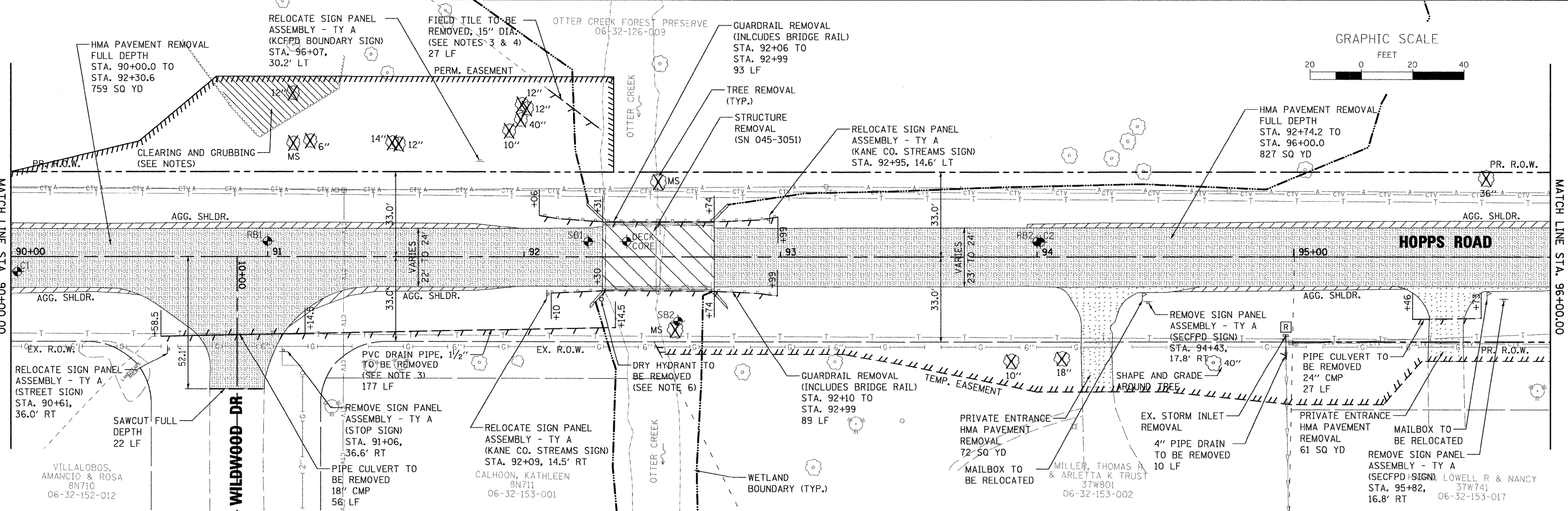
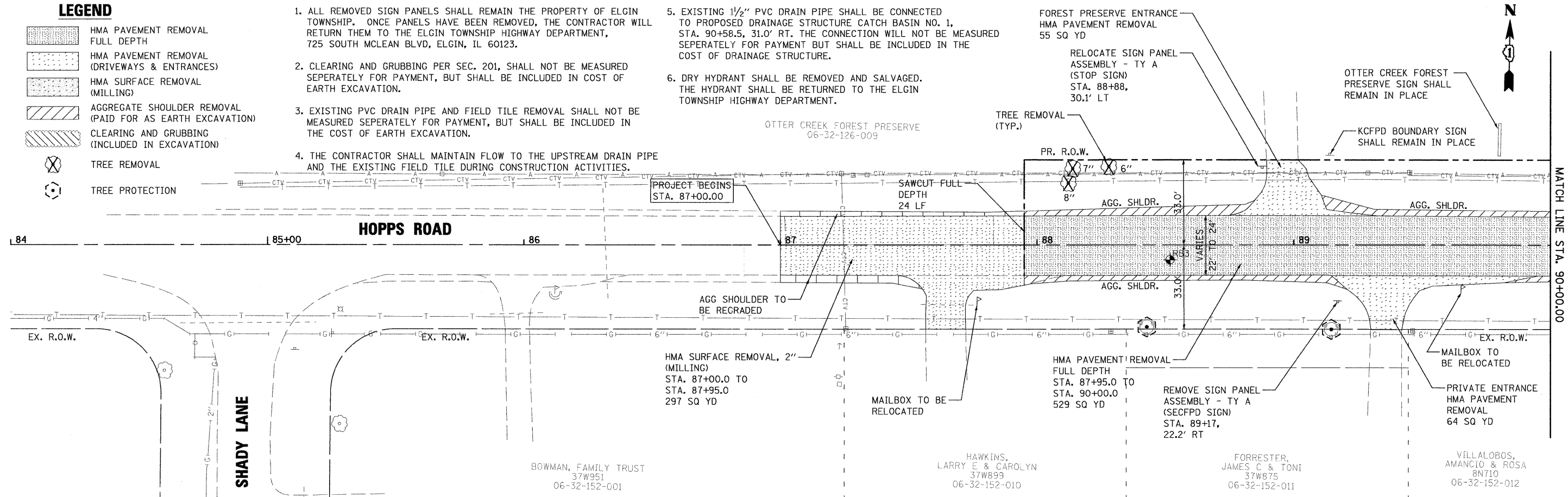
T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 63644				

LEGEND

- HMA PAVEMENT REMOVAL FULL DEPTH
- HMA PAVEMENT REMOVAL (DRIVEWAYS & ENTRANCES)
- HMA SURFACE REMOVAL (MILLING)
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- CLEARING AND GRUBBING (INCLUDED IN EXCAVATION)
- TREE REMOVAL
- TREE PROTECTION

NOTES

1. ALL REMOVED SIGN PANELS SHALL REMAIN THE PROPERTY OF ELGIN TOWNSHIP. ONCE PANELS HAVE BEEN REMOVED, THE CONTRACTOR WILL RETURN THEM TO THE ELGIN TOWNSHIP HIGHWAY DEPARTMENT, 725 SOUTH MCLEAN BLVD, ELGIN, IL 60123.
2. CLEARING AND GRUBBING PER SEC. 201, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
3. EXISTING PVC DRAIN PIPE AND FIELD TILE REMOVAL SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
4. THE CONTRACTOR SHALL MAINTAIN FLOW TO THE UPSTREAM DRAIN PIPE AND THE EXISTING FIELD TILE DURING CONSTRUCTION ACTIVITIES.
5. EXISTING 1/2" PVC DRAIN PIPE SHALL BE CONNECTED TO PROPOSED DRAINAGE STRUCTURE CATCH BASIN NO. 1, STA. 90+58.5, 31.0' RT. THE CONNECTION WILL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURE.
6. DRY HYDRANT SHALL BE REMOVED AND SALVAGED. THE HYDRANT SHALL BE RETURNED TO THE ELGIN TOWNSHIP HIGHWAY DEPARTMENT.



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 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
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PLOT DATE = 1/3/2012	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: AS SHOWN	SHEET NO. 19 OF 80 SHEETS	STA. TO STA.
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**EXISTING CONDITIONS
& REMOVAL PLAN**








T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 19
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

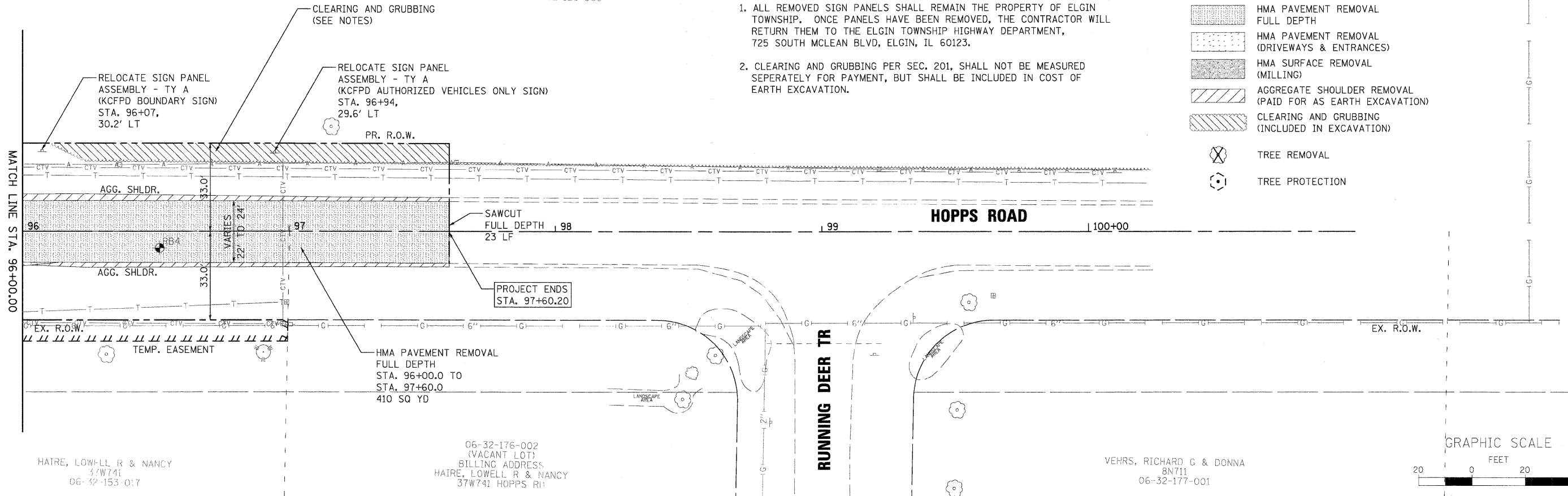
OTTER CREEK FOREST PRESERVE
06-32-126-009

NOTES

1. ALL REMOVED SIGN PANELS SHALL REMAIN THE PROPERTY OF ELGIN TOWNSHIP. ONCE PANELS HAVE BEEN REMOVED, THE CONTRACTOR WILL RETURN THEM TO THE ELGIN TOWNSHIP HIGHWAY DEPARTMENT, 725 SOUTH MCLEAN BLVD, ELGIN, IL 60123.
2. CLEARING AND GRUBBING PER SEC. 201, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.

LEGEND

-  HMA PAVEMENT REMOVAL FULL DEPTH
-  HMA PAVEMENT REMOVAL (DRIVEWAYS & ENTRANCES)
-  HMA SURFACE REMOVAL (MILLING)
-  AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
-  CLEARING AND GRUBBING (INCLUDED IN EXCAVATION)
-  TREE REMOVAL
-  TREE PROTECTION



HAIRE, LOWELL R & NANCY
37W741
06-32-153-017

06-32-176-002
(VACANT LOT)
BILLING ADDRESS:
HAIRE, LOWELL R & NANCY
37W741 HOPPS RD

VEHRS, RICHARD G & DONNA
8N711
06-32-177-001

FILE NAME = FACBBL WEST Project\2209\08-0073 HoppsRd\11\Drawn\Site\REMO-2.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174

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PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS & REMOVAL PLAN	
SCALE: AS SHOWN	SHEET NO. 20 OF 80 SHEETS
STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	20
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTE:
 CONTRACTOR SHALL RESHAPE/REGRADE THE EXISTING SHOULDER TO MEET THE NEW EDGE OF PAVEMENT. RESHAPING/REGRADE WILL BE PAID PER UNIT FOR GRADING AND SHAPING SHOULDERS. IF ADDITIONAL AGGREGATE SHOULDER MATERIAL IS REQUIRED, THE AGGREGATE MATERIAL SHALL BE INCLUDED IN THE COST GRADING AND SHAPING SHOULDERS.

HMA SURF COURSE, MIX D, N50, 2"
 HMA BASE COURSE, IL-19.0, N50, 8"
 SUB-BASE GRAN MATERIAL, TY B, 4"



GRADING AND SHAPING SHOULDERS
 STA 87+00 TO STA 88+95

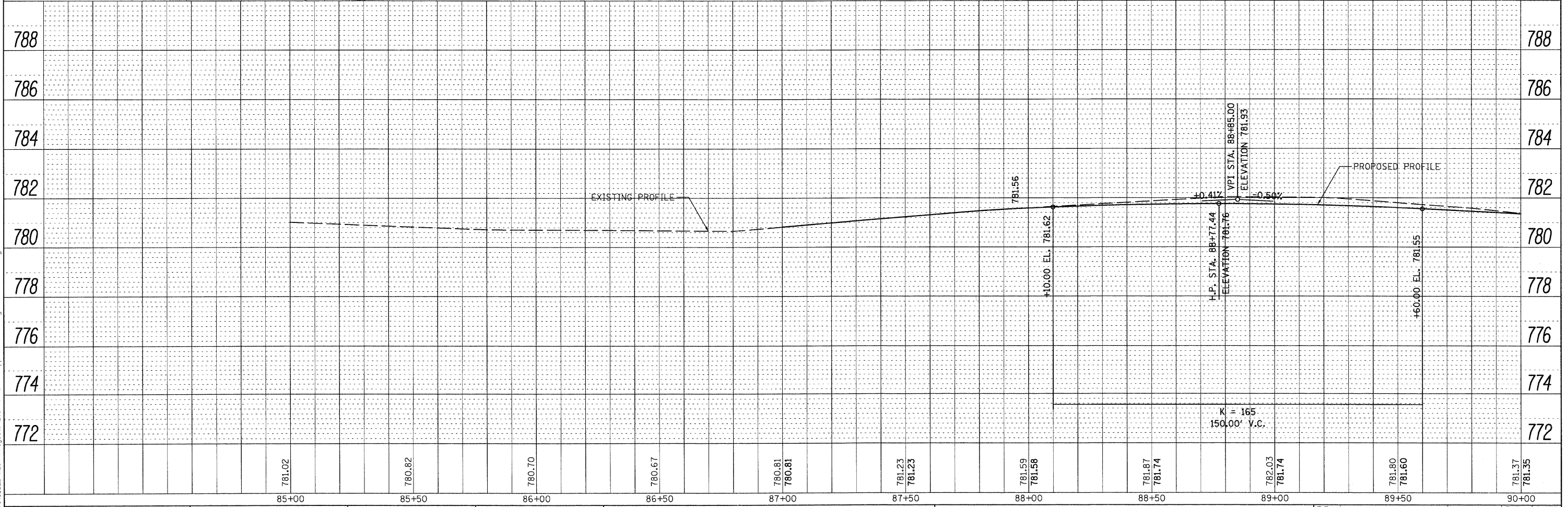
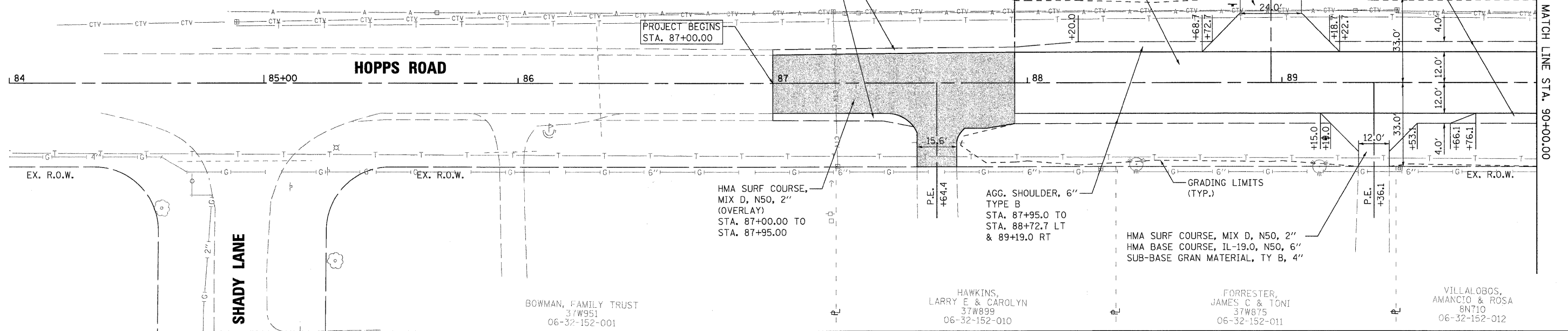
HMA SURF COURSE, MIX D, N50, 2"
 HMA BINDER COURSE, IL-19.0, N50, 7 1/2"
 AGGREGATE SUBGRADE, 12"
 STA. 87+95.0 TO 90+00.0

AGG. SHOULDER, 6"
 TYPE B
 STA. 89+18.7 LT
 & 89+66.1 RT TO
 STA. 90+00.0

PROJECT BEGINS
 STA. 87+00.00

OTTER CREEK FOREST PRESERVE
 06-32-126-009
 R.O.W. MARKER
 495.0, 33.0' LT
 N 1941009.006
 E 977433.846

PR. R.O.W.



DATE	
BY	
PLAN	
SURVEYED	
ALIGNED	
CHECKED	
NO. OF	
DATE	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES	
CHECKED	
NO. OF	
DATE	

FILE NAME = PACBBEL WEST Projects\2009\09-0073 Hopps\Plan\Profile-1.dwg

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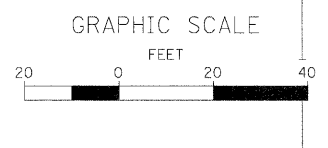
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	DRAWN - NDP	REVISED -
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	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE

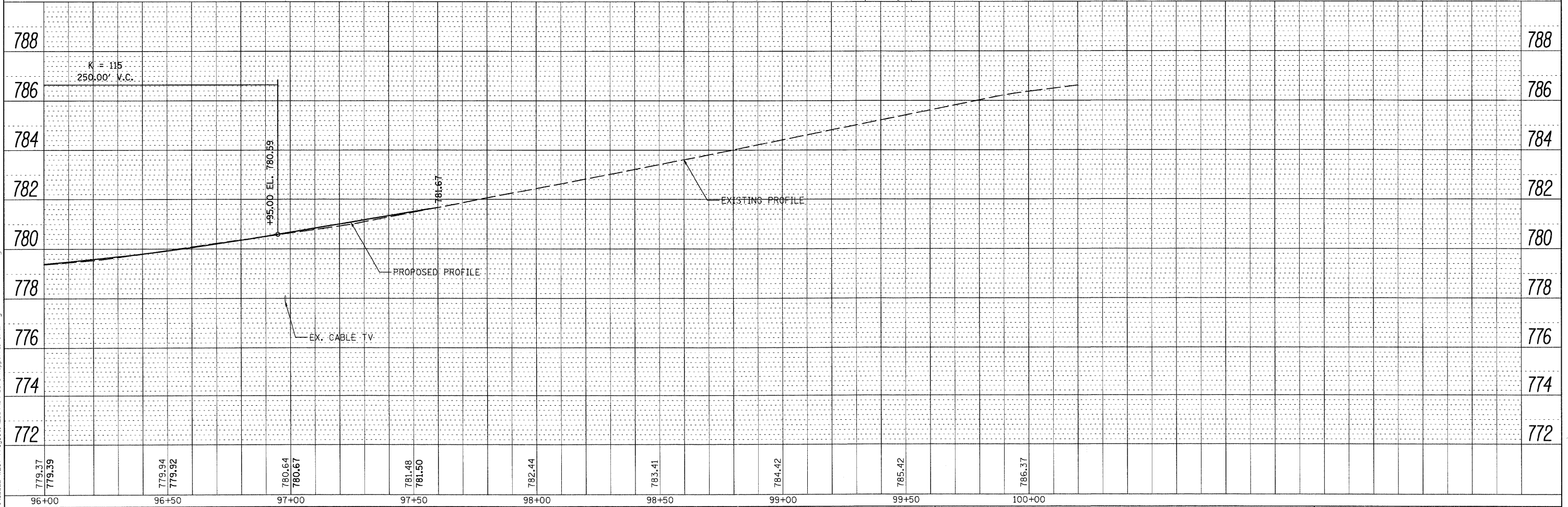
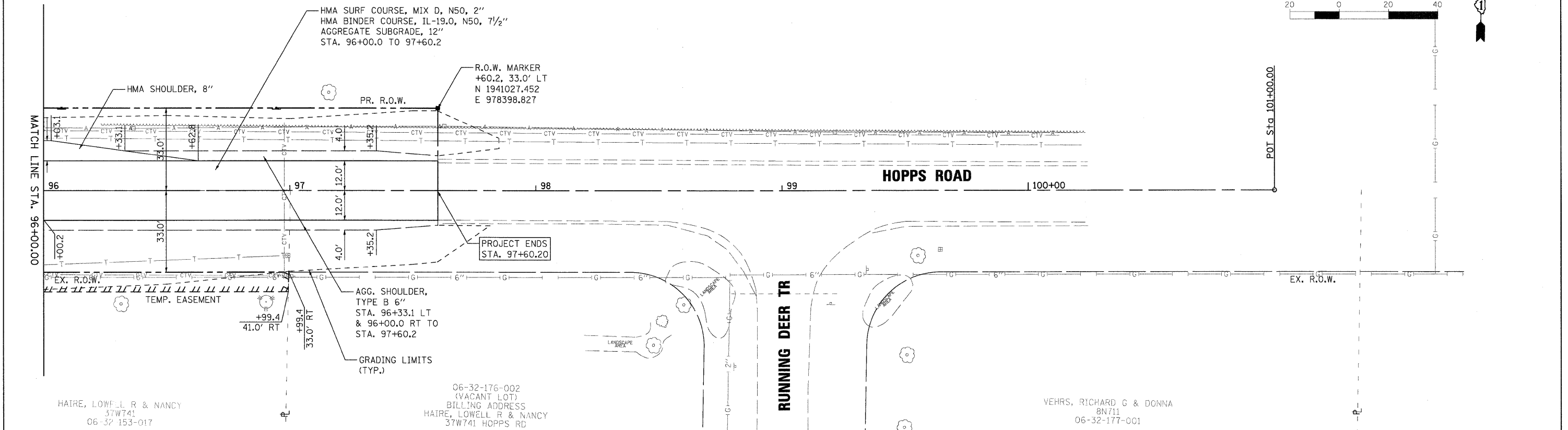
SCALE: AS SHOWN SHEET NO. 21 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	21
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



BY	DATE
SURVEYED	
ALIGNMENT CHECKED	
PLAN CHECKED	
NO.	

BY	DATE
PROFILER	
GRADES CHECKED	
NO.	



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PLOT SCALE = AS SHOWN	CHECKED - RPD	REVISED -
PLOT DATE = 12/16/2011	DATE - 12/19/11	REVISED -

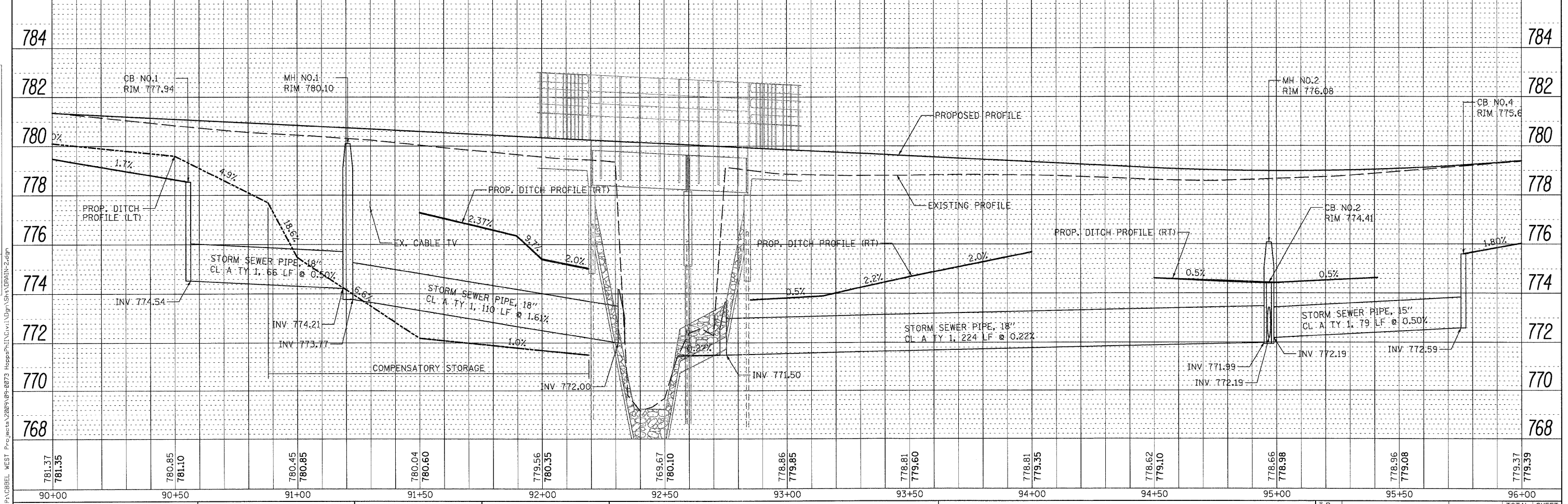
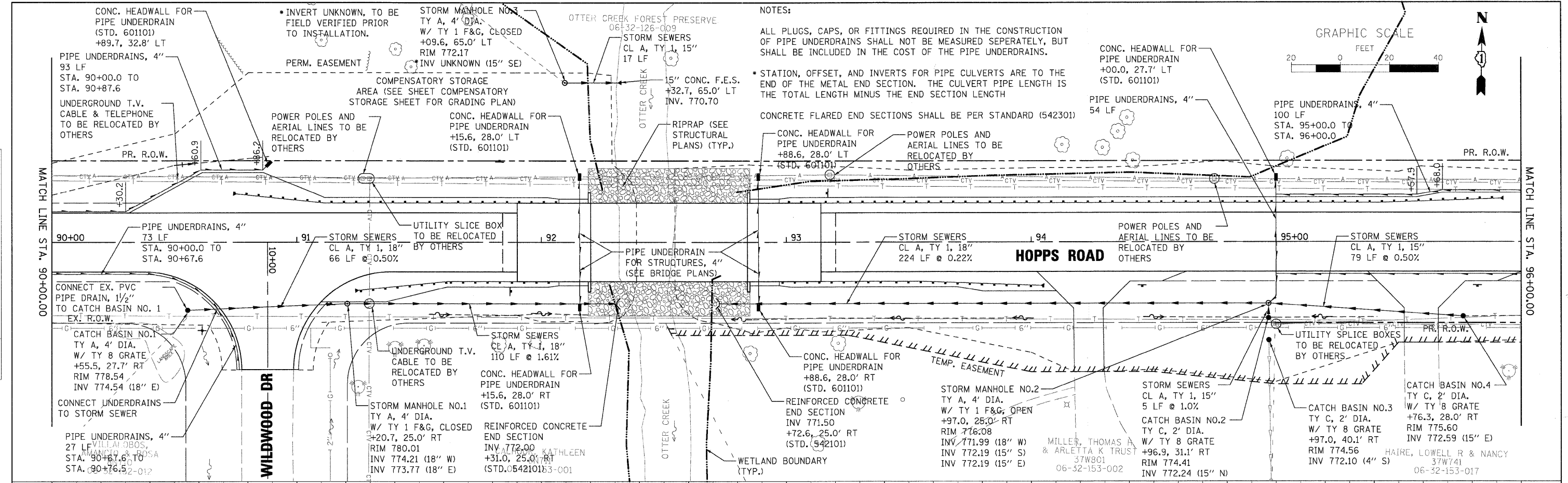
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE	
SCALE: AS SHOWN	SHEET NO. 23 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	23
CONTRACT NO. 63644				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	

DATE	
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PROFILE	
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DATE	
BY	



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 St. Charles, Illinois 60174

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	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: AS SHOWN	SHEET NO. 25 OF 80 SHEETS	STA. TO STA.
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63644

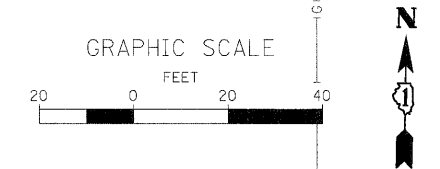
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NOTES:

ALL PLUGS, CAPS, OR FITTINGS REQUIRED IN THE CONSTRUCTION OF PIPE UNDERDRAINS SHALL NOT BE MEASURED SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

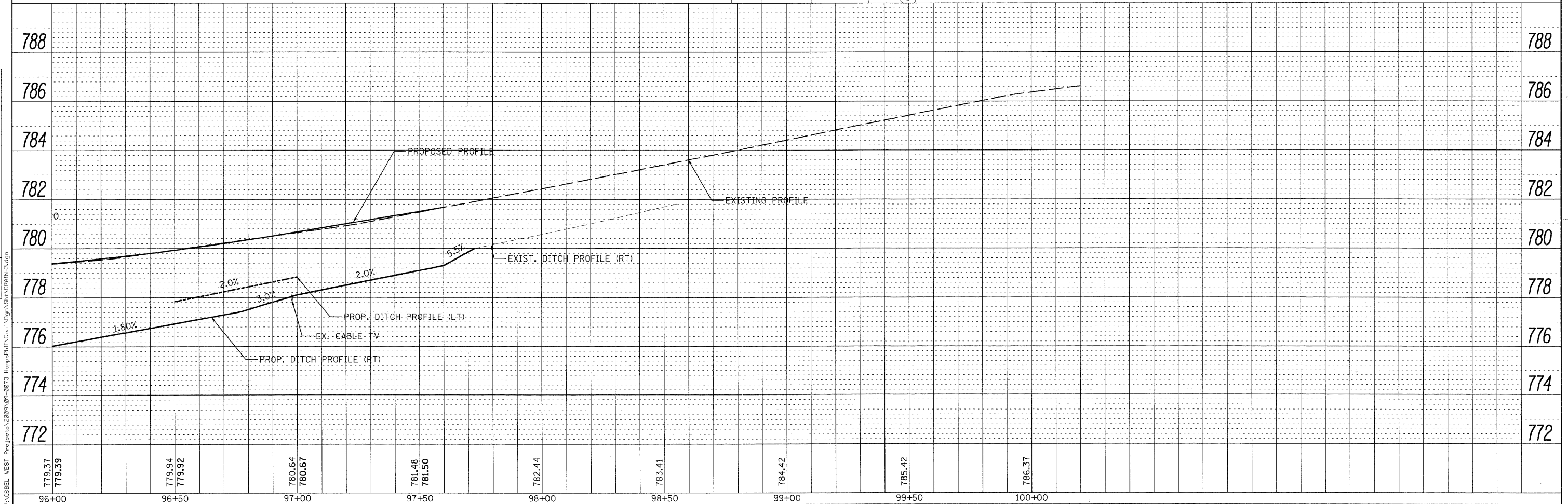
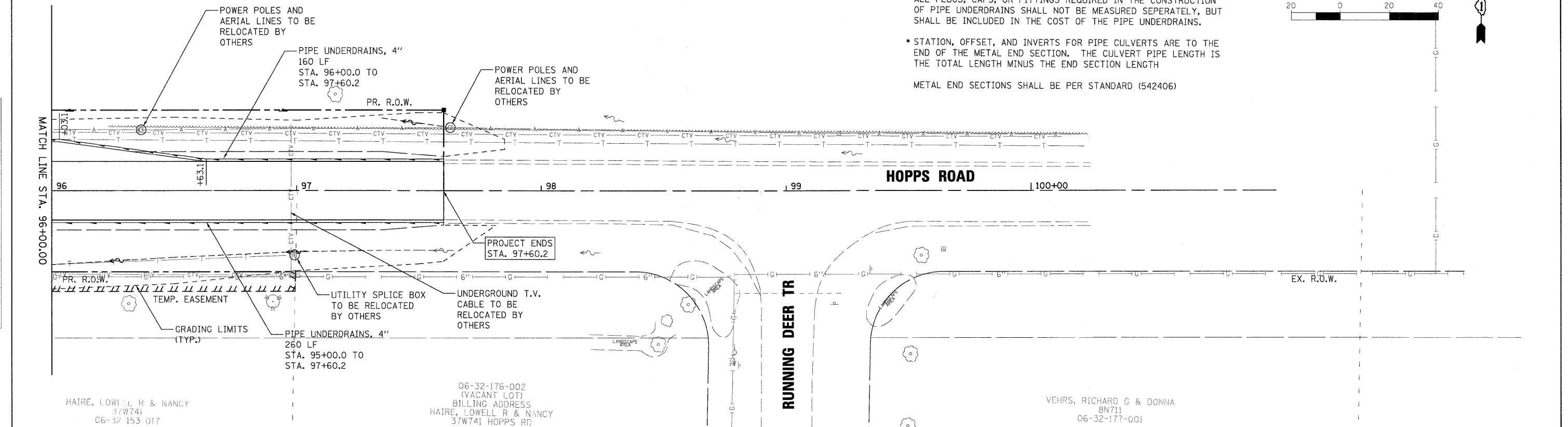
* STATION, OFFSET, AND INVERTS FOR PIPE CULVERTS ARE TO THE END OF THE METAL END SECTION. THE CULVERT PIPE LENGTH IS THE TOTAL LENGTH MINUS THE END SECTION LENGTH

METAL END SECTIONS SHALL BE PER STANDARD (542406)



DATE	
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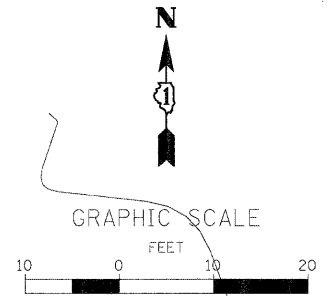
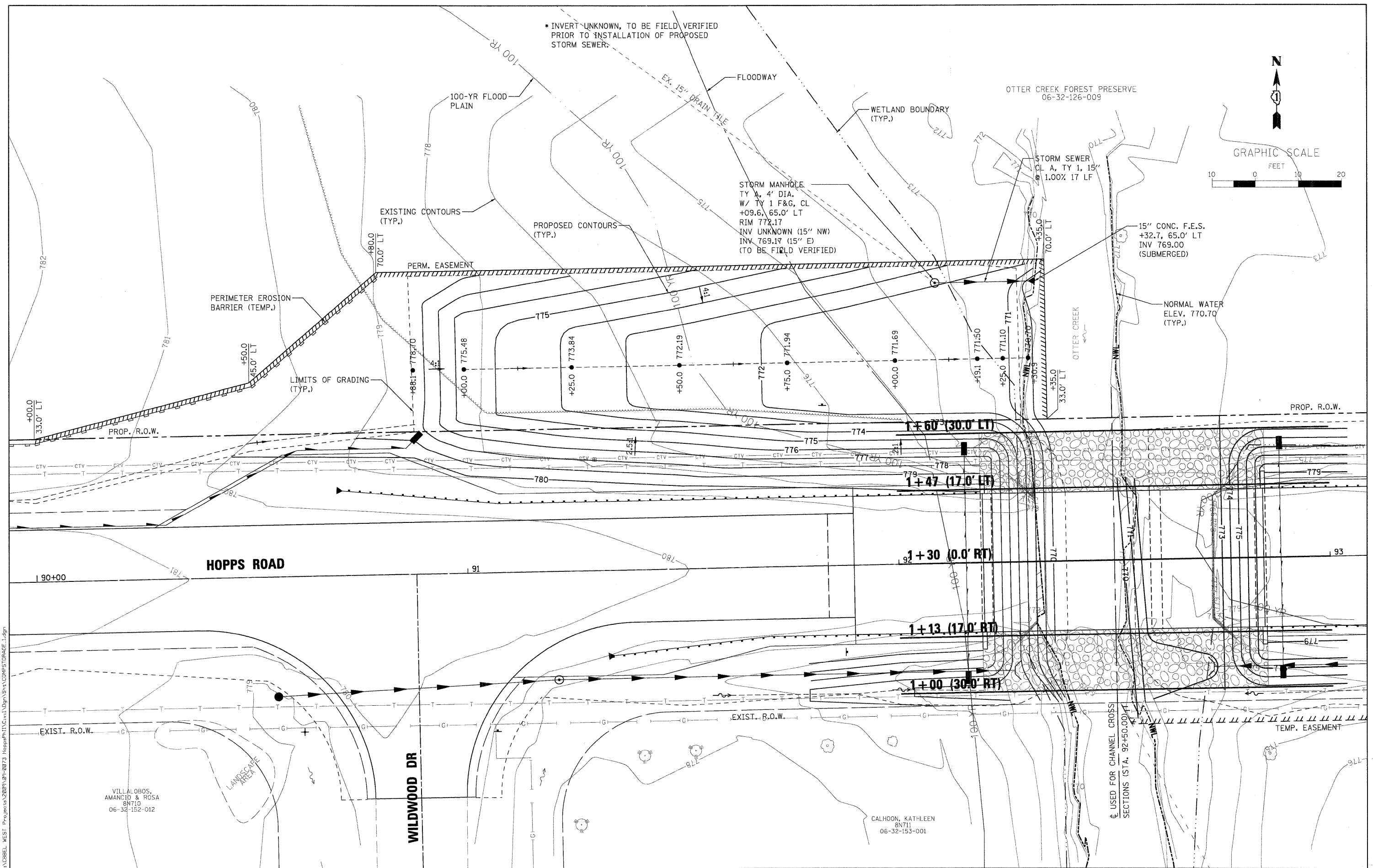
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USER NAME = nparis	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN & PROFILE		T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 26	
PLOT SCALE = AS SHOWN	DRAWN - NDP	REVISED -		SCALE: AS SHOWN	SHEET NO. 26 OF 80 SHEETS	STA. TO STA.	CONTRACT NO. 63644				
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -									
	DATE - 12/19/11	REVISED -									

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116 West Main Street, Suite 201
St. Charles, Illinois 60174

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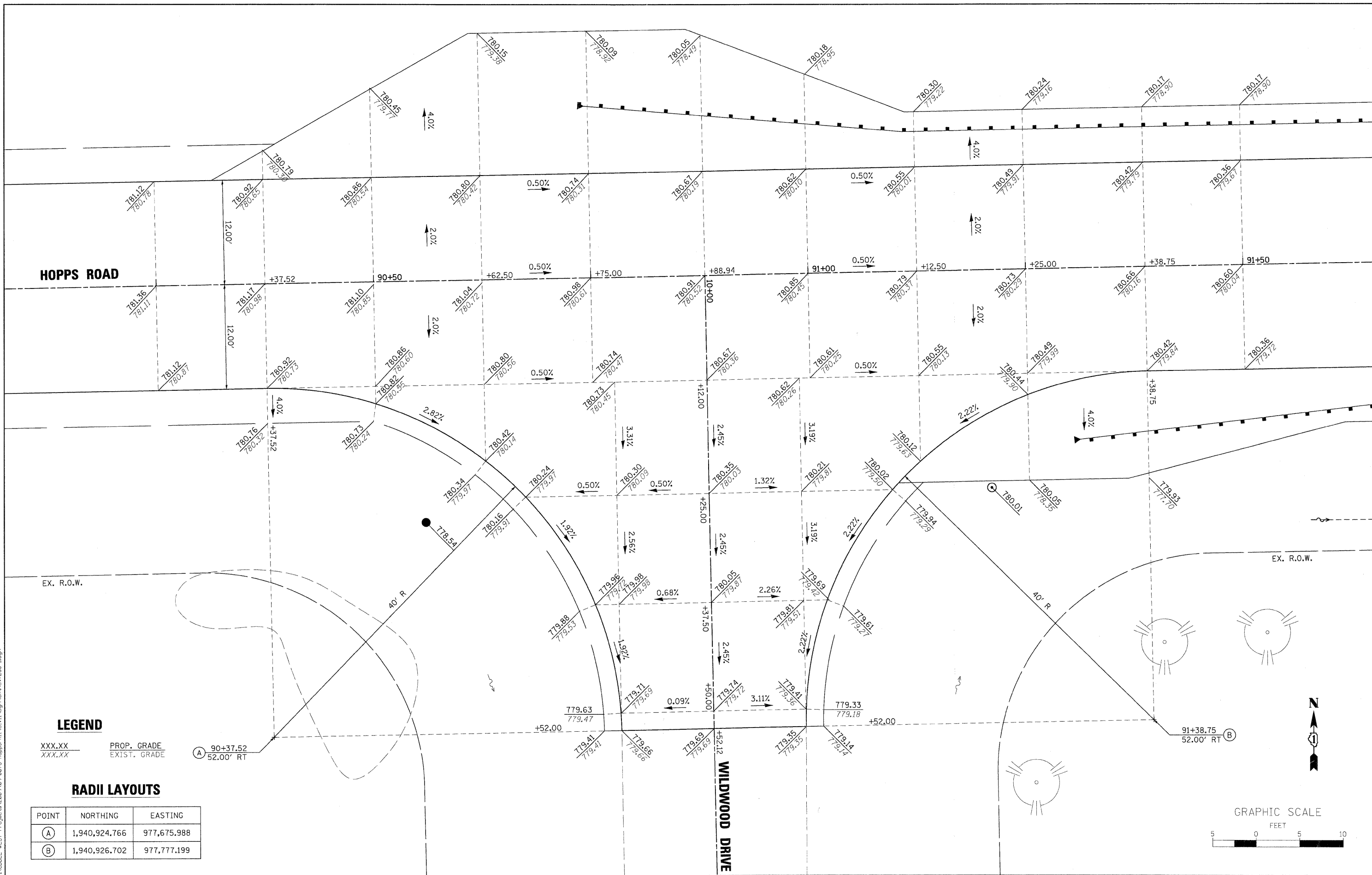
WBK
WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparriss	DESIGNED - KMA	REVISED -
PLOT SCALE = AS SHOWN	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMPENSATORY STORAGE
GRADING PLAN
 SCALE: AS SHOWN SHEET NO. 27 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	27
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



HOPPS ROAD

WILDWOOD DRIVE

LEGEND

XXX.XX PROP. GRADE
 XXX.XX EXIST. GRADE

(A) 90+37.52
 52.00' RT

RADI LAYOUTS

POINT	NORTHING	EASTING
(A)	1,940,924.766	977,675.988
(B)	1,940,926.702	977,777.199

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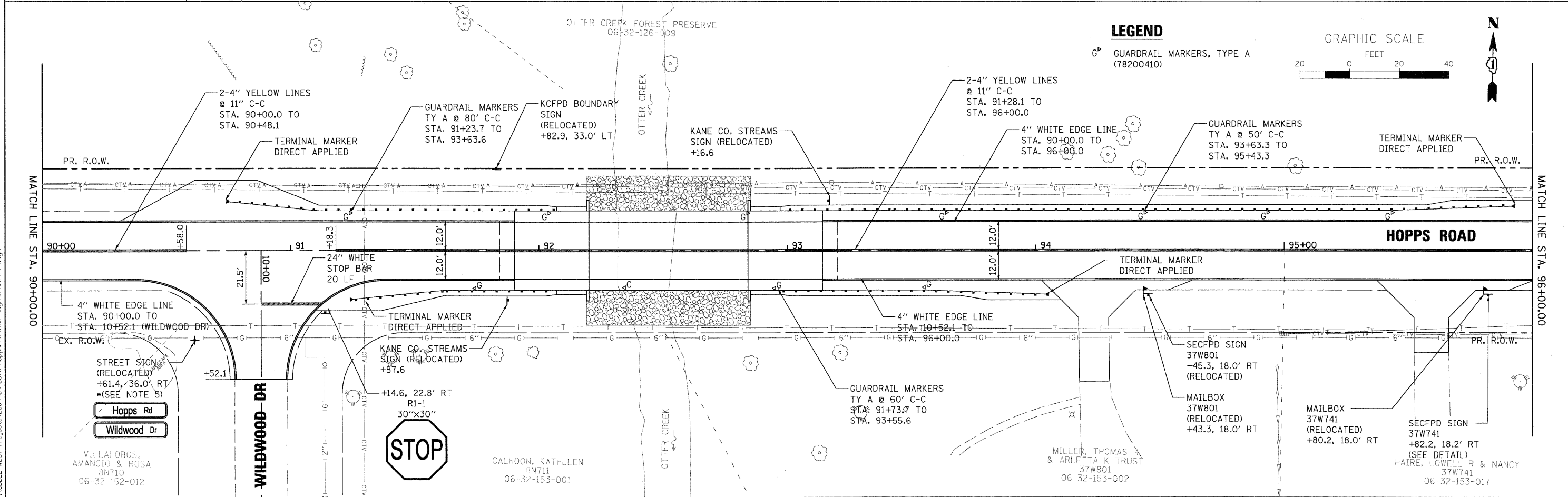
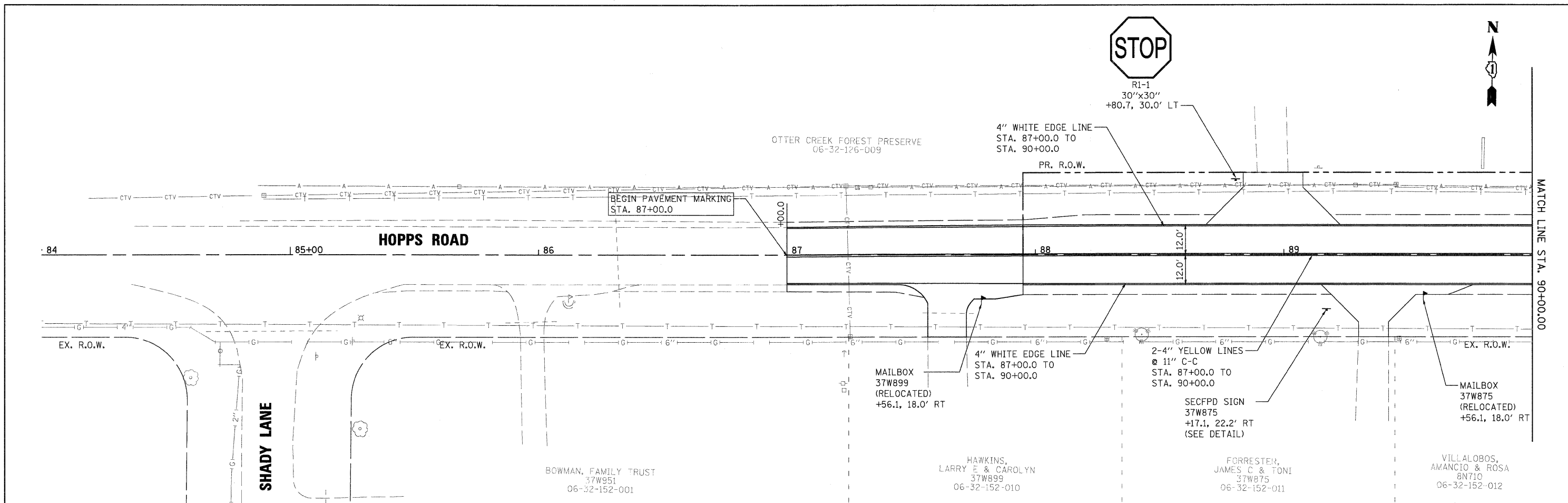
WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nporris	DESIGNED - KMA	REVISED -
PLOT SCALE = AS SHOWN	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

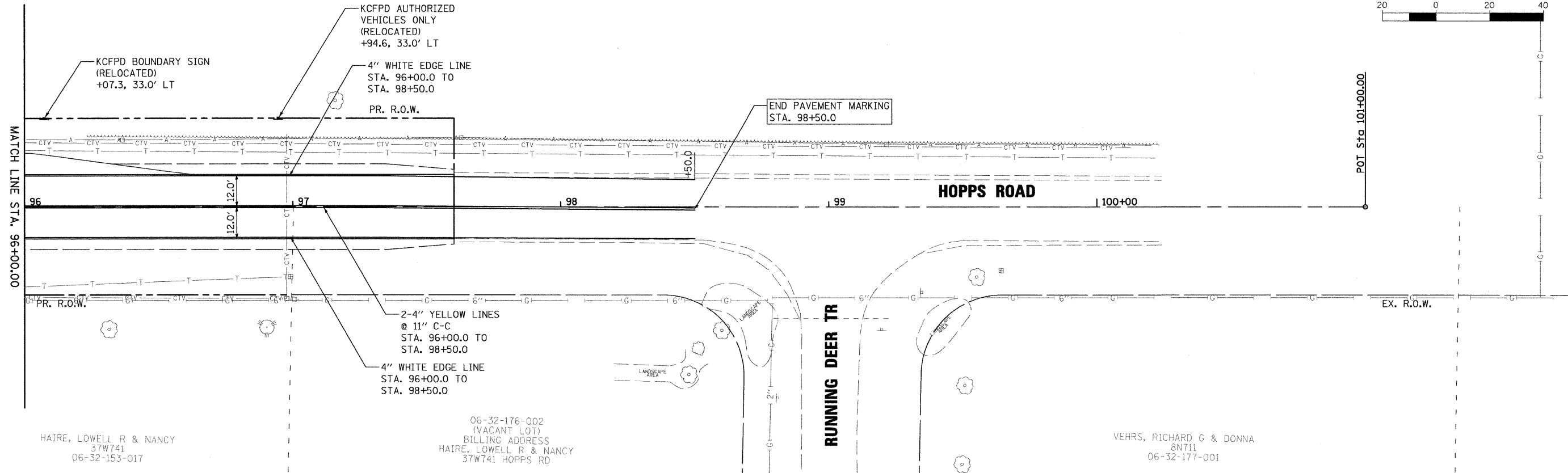
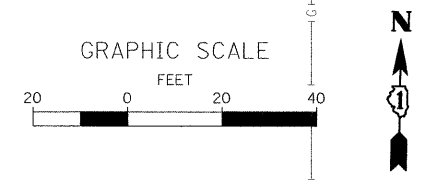
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN
 HOPPS ROAD AT WILDWOOD DRIVE**
 SCALE: AS SHOWN SHEET NO. 28 OF 80 SHEETS STA. TO STA.

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 28
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparis	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING & SIGNING PLAN	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = AS SHOWN	DRAWN - NDP	REVISED -			2442	04-08107-00-BR	KANE	80	29
	PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -			CONTRACT NO. 63644				
	DATE = 12/19/11	DATE = 12/19/11	REVISED -			ILLINOIS FED. AID PROJECT				
SCALE: AS SHOWN						SHEET NO. 29 OF 80 SHEETS		STA. TO STA.		FED. ROAD DIST. NO.



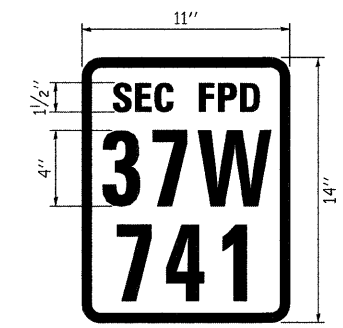
HAIRE, LOWELL R & NANCY
37W741
06-32-153-017

06-32-176-002
(VACANT LOT)
BILLING ADDRESS
HAIRE, LOWELL R & NANCY
37W741 HOPPS RD

VEHRS, RICHARD G & DONNA
8N711
06-32-177-001

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE POLYUREA ON ALL SURFACES.
2. ALL REGULATORY SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01, AND SHALL BE INCLUDED IN THE COST OF SIGN PANEL TYPE 1.
3. ALL STREET SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01 AND SHALL BE INCLUDED IN THE COST OF RELOCATED SIGN PANEL ASSEMBLY TYPE A.
4. ALL KCFPD BOUNDARY SIGNS, KANE COUNTY STREAMS SIGNS, AND AUTHORIZED VEHICLE ONLY SIGNS SHALL BE MOUNTED ON NEW TYPE A POSTS PER STANDARD 729001-01, AND SHALL BE INCLUDED IN THE COST OF RELOCATED SIGN PANEL ASSEMBLY TYPE A.
5. THE TWO STREET NAME SIGNS AT THE INTERSECTION OF HOPPS RD. AND WILDWOOD DR. WILL BE PAID AS ONE AND INCLUDED IN THE COST OF RELOCATE SIGN PANEL ASSEMBLY - TYPE A.









1. ONE (1) SIGN SHALL BE MANUFACTURED FOR EACH ADDRESS, TOTALING THREE (3) SIGNS: 37W875, 37W801, AND 37W741.
2. ALL FIRE DISTRICT SIGNS SHALL BE MOUNTED ON A TYPE A POST, PER STANDARD 729001-01, AND SHALL BE INCLUDED IN THE COST OF THE SIGN. TO BE PAID FOR AS SIGN PANEL TYPE 1.
3. THE SIGN IS RED IN COLOR WITH WHITE LETTERING AND A WHITE BOARDER. 11"x14" WITH 4" ADDRESS LETTERING AND 1-1/2" LETTERING FOR 'SEC FPD'.
4. THE SIGNS SHALL BE PLACED AT THE STATION AND OFFSET WITH THE CORRESPONDING ADDRESS, AS SHOWN ON THE PAVEMENT MARKING PLANS, SHEETS 29-30.






FIRE DISTRICT SIGN DETAIL




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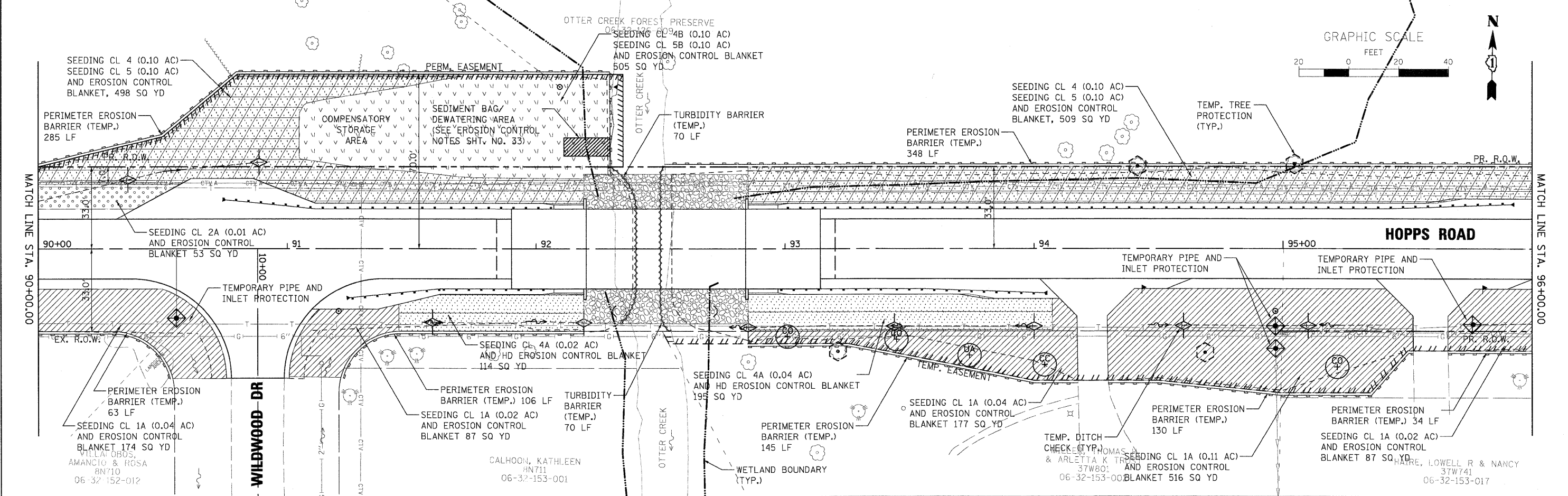
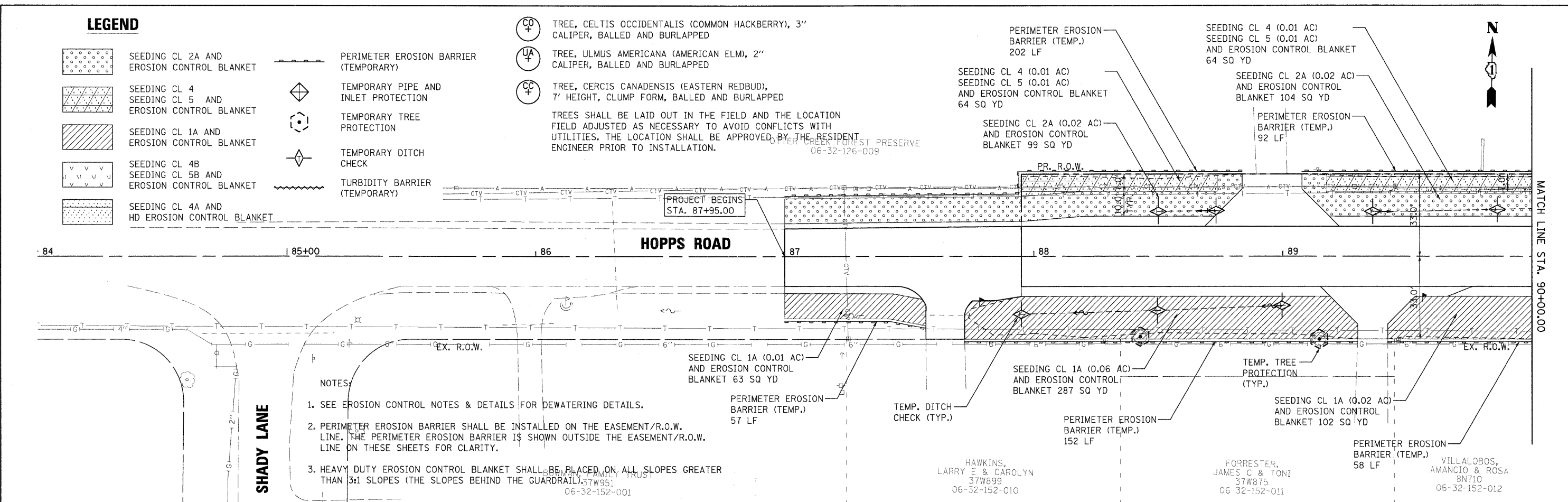
<p>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</p>	USER NAME = nparr15	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING & SIGNING PLAN	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = AS SHOWN	CHECKED - RPD	REVISED -			2442	04-08107-00-BR	KANE	80	30	
	PLOT DATE = 1/3/2012	DATE - 12/19/11	REVISED -			CONTRACT NO. 63644					
SCALE: AS SHOWN						SHEET NO. 30 OF 80 SHEETS		STA.		TO STA.	
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

LEGEND

-  SEEDING CL 2A AND EROSION CONTROL BLANKET
-  SEEDING CL 4 AND EROSION CONTROL BLANKET
-  SEEDING CL 1A AND EROSION CONTROL BLANKET
-  SEEDING CL 4B AND EROSION CONTROL BLANKET
-  SEEDING CL 5B AND EROSION CONTROL BLANKET
-  SEEDING CL 4A AND HD EROSION CONTROL BLANKET

-  PERIMETER EROSION BARRIER (TEMPORARY)
-  TEMPORARY PIPE AND INLET PROTECTION
-  TEMPORARY TREE PROTECTION
-  TEMPORARY DITCH CHECK
-  TURBIDITY BARRIER (TEMPORARY)

-  TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED
 -  TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED
 -  TREE, CERCIS CANADENSIS (EASTERN REDBUD), 7" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
- TREES SHALL BE LAID OUT IN THE FIELD AND THE LOCATION FIELD ADJUSTED AS NECESSARY TO AVOID CONFLICTS WITH UTILITIES. THE LOCATION SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION.



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USER NAME = nparis	DESIGNED - KMA	REVISED -
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PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

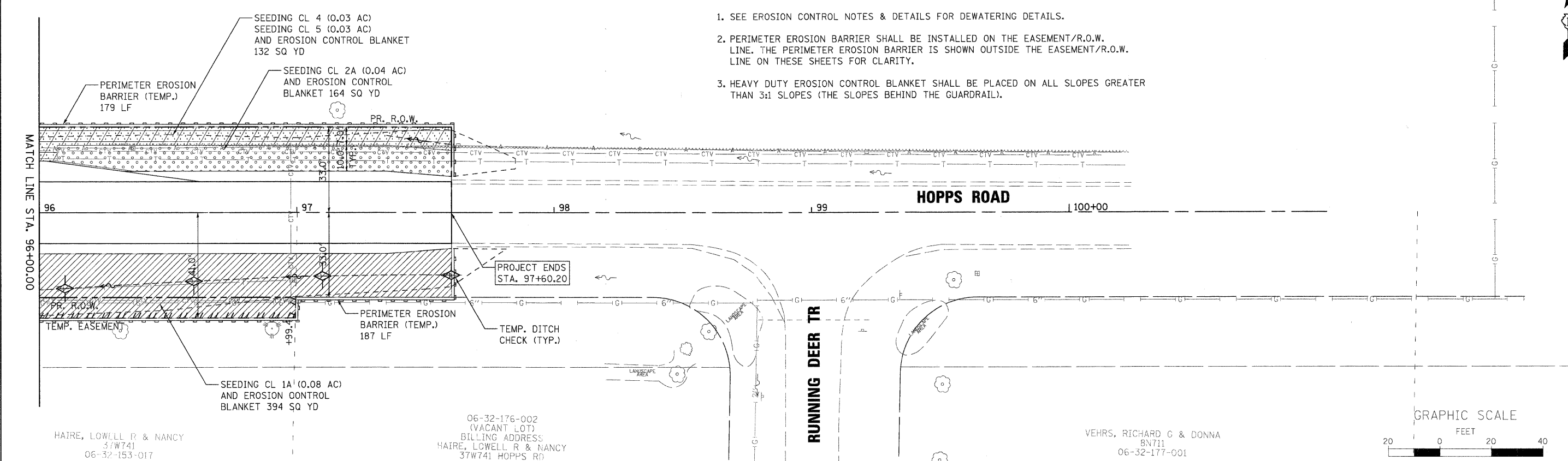
**EROSION CONTROL
& RESTORATION PLAN**

SCALE: AS SHOWN SHEET NO. 31 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	31
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE EROSION CONTROL NOTES & DETAILS FOR DEWATERING DETAILS.
2. PERIMETER EROSION BARRIER SHALL BE INSTALLED ON THE EASEMENT/R.O.W. LINE. THE PERIMETER EROSION BARRIER IS SHOWN OUTSIDE THE EASEMENT/R.O.W. LINE ON THESE SHEETS FOR CLARITY.
3. HEAVY DUTY EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES GREATER THAN 3:1 SLOPES (THE SLOPES BEHIND THE GUARDRAIL).



LEGEND

- TREE, CECTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED
 - TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED
 - TREE, CERCIS CANADENSIS (EASTERN REDBUD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
- TREES SHALL BE LAID OUT IN THE FIELD AND THE LOCATION FIELD ADJUSTED AS NECESSARY TO AVOID CONFLICTS WITH UTILITIES. THE LOCATION SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
- SEEDING CL 2A AND EROSION CONTROL BLANKET
 - SEEDING CL 4 AND SEEDING CL 5 AND EROSION CONTROL BLANKET
 - SEEDING CL 1A AND EROSION CONTROL BLANKET
 - SEEDING CL 4B SEEDING CL 5B AND EROSION CONTROL BLANKET
 - SEEDING CL 4A AND HD EROSION CONTROL BLANKET
 - TEMPORARY PIPE AND INLET PROTECTION
 - TEMPORARY TREE PROTECTION
 - PERIMETER EROSION BARRIER (TEMPORARY)
 - TEMPORARY DITCH CHECK
 - TRIBIDITY BARRIER (TEMPORARY)

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116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED = KMA	REVISED =
PLOT SCALE = AS SHOWN	DRAWN = NDP	REVISED =
PLOT DATE = 12/16/2011	CHECKED = RPD	REVISED =
	DATE = 12/19/11	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL & RESTORATION PLAN

SCALE: AS SHOWN SHEET NO. 32 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.63644	

EROSION CONTROL INSPECTION

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.

WINTER SHUT DOWN

A WINTER SHUT DOWN IS NOT ANTICIPATED FOR THIS PROJECT. BUT IN THE EVENT THAT UNAVOIDABLE CIRCUMSTANCE REQUIRE A WINTER SHUT DOWN, THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

TEMPORARY DITCH CHECKS

THE PLANS HAVE A PLAN ALLOWANCE OF FIVE (5) ADDITIONAL TEMPORARY DITCH CHECKS FOR MAINTENANCE PURPOSES. THE DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY DITCHES OR SWALES. THE EXACT LOCATION WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER.

PERIMETER EROSION BARRIER (SILT FENCE)

PERIMETER EROSION CONTROL BARRIER (SILT FENCE) SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION CONTROL BARRIER SHALL BE CONSTRUCTED AS DETAIL ON IDOT STANDARD 280001 AND AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

STOCK PILE LOCATIONS AND PROTECTING STOCK PILE AREAS

STOCK PILES SHOULD BE PLACED IN OR NEAR CRITICAL AREAS, OR AREAS THAT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES.

CONTRACTOR MAY OPT TO STOCK PILES MATERIAL. STAGING OF THE PROJECT IS AT HIS DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH ELGIN TOWNSHIP AND KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD). STOCKPILES OF SOIL AND OTHER CONSTRUCTION MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES, NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

STABILIZED CONSTRUCTION AREA

STABILIZATION OF THE CONSTRUCTION AREA SHOULD TAKE PLACE AT THE END OF EACH WORK DAY.

DEWATERING

WHEN DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER/SEDIMENT BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT. ALL FILTER/SEDIMENT BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES, AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK. THE DISCHARGE SHALL BE DESIGNED SO THAT RETURNING WATERS DO NOT CAUSE EROSION. THE CONTRACTOR WILL COORDINATE THE METHOD, DESIGN AND LOCATION OF THE DEWATERING PLAN AND FILTER/SEDIMENT BAG(S) WITH KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT AT THE PRE-CONSTRUCTION MEETING.

KEEPING PAVEMENTS CLEAN

THE CONTRACTOR WILL KEEP ALL PERMANENT PAVEMENT SURFACES CLEAN OF DIRT OR CONSTRUCTION DEBRIS. THE PAVEMENT SHALL BE CLEANED AT THE END OF EACH DAYS OPERATION OR MORE FREQUENTLY AS REQUIRED BY THE ENGINEER IF THE DEBRIS IS DEEMED TO BE A HAZARD TO THE MOTORING PUBLIC.

GENERAL NOTES

- A) 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 FEBRUARY 2002.
- B) 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.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) 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 CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR OTTER CREEK IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

CONSTRUCTION SEQUENCE NOTES

- A) TURBIDITY CURTAINS SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.
- B) CONSTRUCTION OF PIERS, EMBANKMENT AND RIP RAP ARE ANTICIPATED TO REQUIRE WORK WITHIN THE CREEK, WORK MUST BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS.
- C) BYPASS IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE CREEK FLOW.
- D) IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK.
- E) THE SIDE SLOPES MUST BE RESEED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				+A	+B	*	*	+A		+B		
DORMANT SEEDING	C										C	
TEMPORARY SEEDING			+D									
EROSION CONTROL BLANKET				+E								
PERENNIAL PLANTINGS					+F		*	+F		*		

A. CLASS 1A & 2A

B. CLASS 4, 4A, 4B & 5B

C. INCREASE SEEDING RATES BY 25% WHEN DORANT SEEDING (NOT ANTICIPATED)

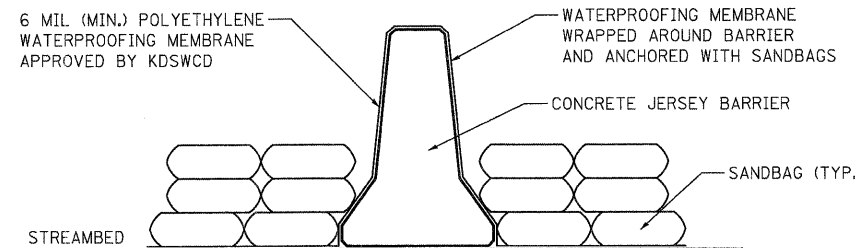
D. TEMPORARY SEEDING (PERENIAL RYE GRASS, SPRING OATS)

E. EROSION CONTROL BLANKET (EXCELSIOR) (PERMANENT SEED AREAS ONLY)

F. PERENNIAL PLANTINGS

* IRRIGATION MAY BE NEEDED DURING JUNE AND JULY

NOTE: SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES.



JERSEY BARRIER COFFERDAM

NOTES

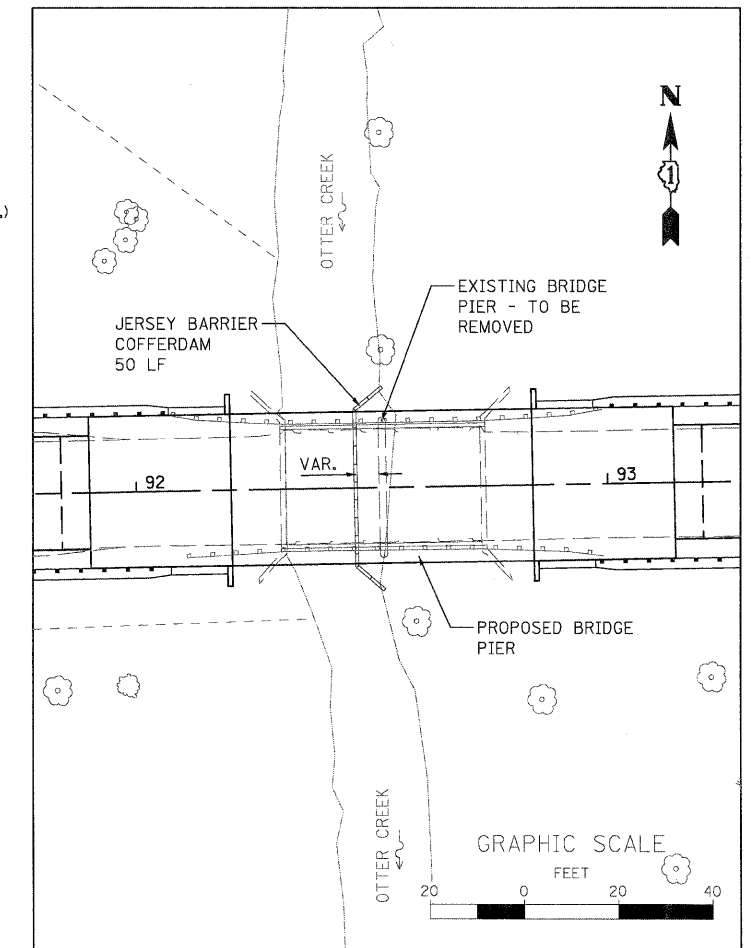
1. THE JERSEY BARRIER COFFERDAM IS AN APPROVED SYSTEM FOR PROVIDING PROTECTION OF THE EXCAVATION FROM FLOWING WATER. THE CONTRACTOR MAY ELECT TO USE THIS SYSTEM FOR DEWATERING OR MAY PROPOSE AN ALTERNATE SYSTEM.

IN EITHER CASE, THE CONTRACTOR SHALL SUBMIT A PLAN FOR THE SUBJECT PROTECTION WHICH SHALL ADDRESS THE SIZE AND LENGTH OF THE DEWATERING AREA, PROPOSED CONSTRUCTION SEQUENCE, INCLUDING WATER DIVERSION AND/OR DEWATERING METHODS, EROSION AND SEDIMENT CONTROL MEASURES, SEDIMENT TRAPS, DISPOSAL OF EXCAVATED MATERIAL, EFFLUENT WATER, ALONG WITH BEST MANAGEMENT PRACTICES TO PREVENT REINTRODUCTION OF EXCAVATED MATERIAL INTO FLOWING WATER. THE PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT BEFORE EXCAVATION PROTECTION AND CONSTRUCTION BEGIN.

2. THE COST FOR THE ISOLATION AND PROTECTION OF THE EXCAVATION AND CONSTRUCTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES.

3. THE COFFERDAM SHALL REMAIN IN PLACE FOR REMOVAL OF THE EXISTING PIER AND CONSTRUCTION OF THE NEW PIER.

4. WHEN THE EXCAVATION PROTECTION IS NO LONGER REQUIRED, IT SHALL BE REMOVED ACCORDING TO THE CONTRACTOR'S PLAN UNLESS OTHERWISE SPECIFIED BY THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT. THE DISTRICT SHALL BE NOTIFIED WHEN THE PROTECTION IS TO BE REMOVED. ALL MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



PLAN

FILE NAME = P:\CBBEL WEST Projects\2009\09-0073\Map\PH11\Civil\10\msh\EROS_3.dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
118 West Main Street, Suite 201
St. Charles, Illinois 60174

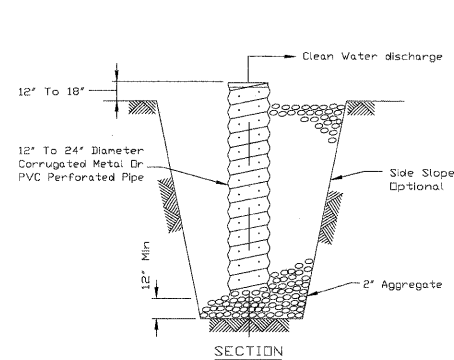
USER NAME = rjparry	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
NOTES & DETAILS**

SCALE: SHEET NO. 33 OF 80 SHEETS STA. TO STA.

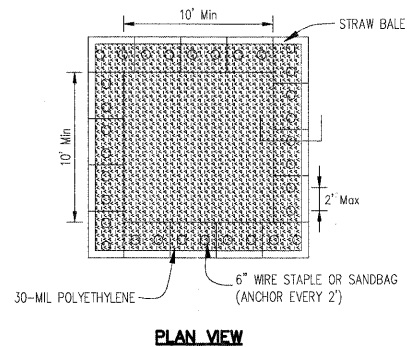
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	



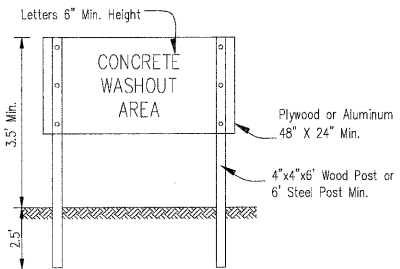
NOTES:

1. PIT DIMENSIONS ARE OPTIONAL.
2. THE STANDPIPE WILL BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED METAL OR PVC PIPE.
3. 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.
4. THE STANDPIPE WILL EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT.
5. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE WILL BE WRAPPED WITH FILTER FABRIC BEFORE INSTALLATION.
6. 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.

SUMP PIT PLAN



PLAN VIEW

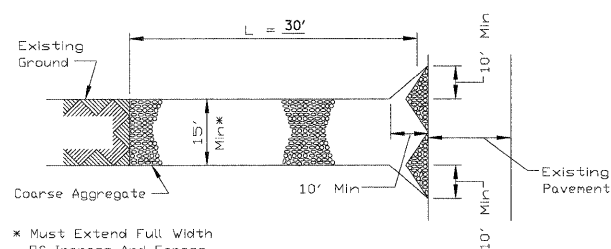


SIGN DETAIL

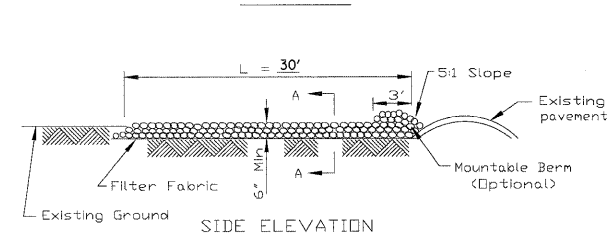
NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X4" WOODEN STAKES.
4. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE



PLAN VIEW

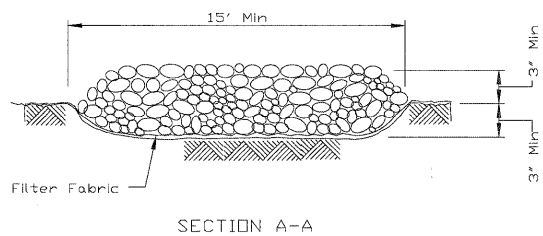


SIDE ELEVATION

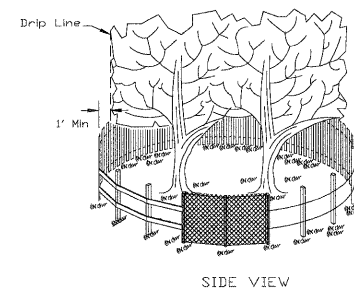
NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PALCED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
2. AGGREGATE FILL SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO SPECIAL PROVISION " STABILIZED CONSTRUCTION ENTRANCE.
3. ANY DRAINAGE FACILITIES REQUIRED BECASUE OF WASHING SHALL BE CONSTRUCUTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

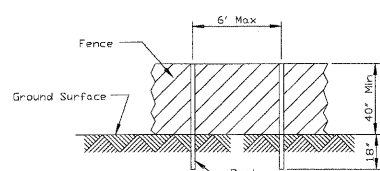
STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SIDE VIEW

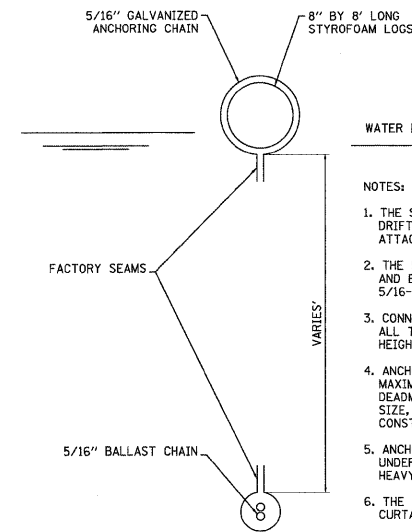


POST AND FENCE DETAIL

NOTES:

1. 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.
2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.
4. TO BE PAID FOR AS "TEMPORARY FENCE."

TREE PROTECTION FENCING

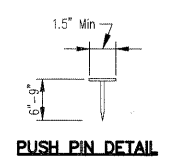
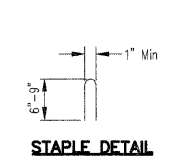
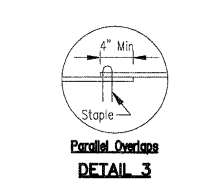
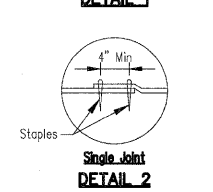
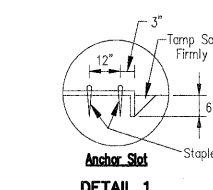
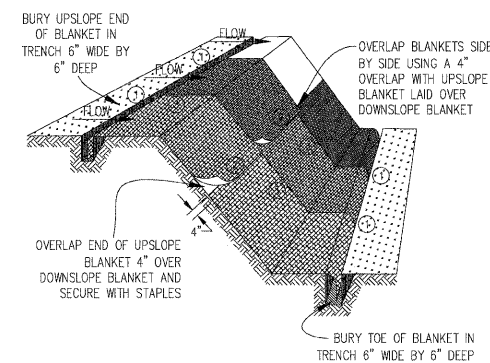


SECTION TURBIDITY BARRIER (FLOATING SILT CURTAIN) N.T.S

NOTES:

1. THE SILT CURTAIN SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. THE FLOATATION LOG SHALL BE SECURELY ATTACHED TO THE FABRIC IN BOTH THE HORIZONTAL AND VERTICAL DIRECTION.
2. THE 5/16-INCH CABLE SHALL BE ATTACHED ABOVE THE FLOATATION MEMBERS AND EXTEND THE ENTIRE LENGTH OF EACH SECTION OF SILT CURTAIN. A 5/16-INCH CHAIN SHALL BE SEALED ON THE LOWER HEM FOR BALLAST.
3. CONNECTORS SHALL JOIN THE MAIN LOAD LINE AND BALLAST CHAIN TO CARRY ALL TENSILE PRESSURE. THE FABRIC SHALL BE JOINTED FOR ITS ENTIRE HEIGHT.
4. ANCHORAGE'S SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE TO MAXIMUM STABILITY. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE, TYPE AN STRENGTH TO STABILIZE THE BARRIER BEYOND THE CONSTRUCTION AREA.
5. ANCHORS SHALL BE BUOYED TO PREVENT THE SILT CURTAIN FROM BEING PULLED UNDER WATER. DANFORTH-TYPE ANCHORS SHALL BE USED IN SANDY BOTTOM AND HEAVY KEDGE TYPE OR MUSHROOM ANCHORS ON MUD BOTTOMS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SILT CURTAIN THROUGHOUT CONSTRUCTION OPERATIONS.
7. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE THE SILT CURTAIN IN A MANNER THAT WILL PREVENT SILTATION OF THE RIVER/CREEK.
8. THE TURBIDITY CURTAIN/SILT CURTAIN SHAOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLLITION TO THE BRIDGE DECK AND/OR PIERS.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE



NOTES:

1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

EROSION CONTROL BLANKET INSTALLATION DETAILS

FILE NAME = PACBBEL WEST Projects\2009\09-0073 HopsaPH11\Civil\09m\Sh-NER05-4.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

SCALE: SHEET NO. 34 OF 80 SHEETS STA. TO STA.

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 34
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

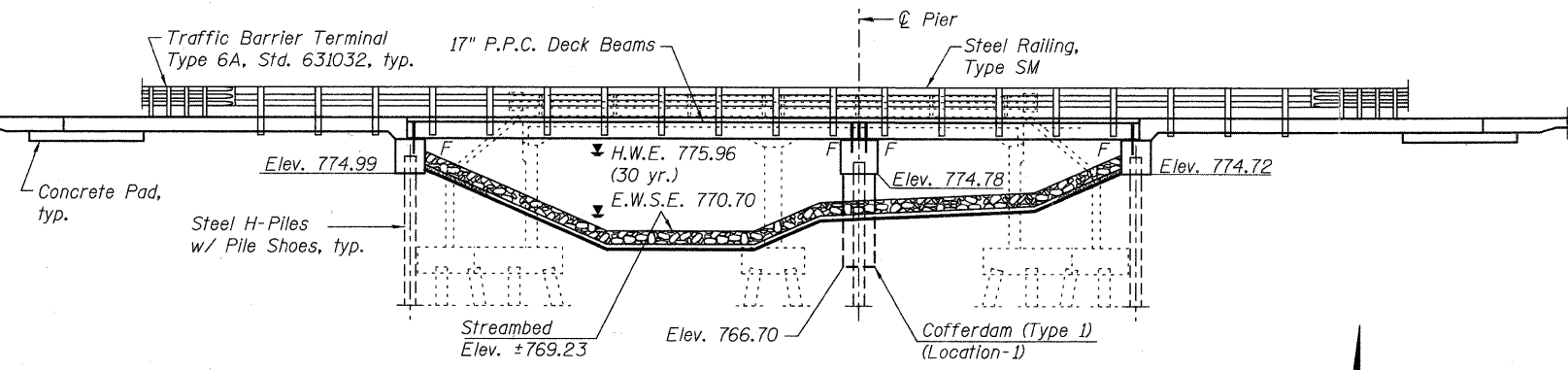
Site Benchmark #2: Square mark cut on top of Northwest wingwall of the existing bridge, Elev. 779.43. (NAVD 88 Datum)

Existing Structure:

Structure number 045-3051 was originally built in 1964 under Section 107B-TR. The structure consists of a two-span reinforced concrete slab bridge founded on reinforced concrete closed abutments and a solid wall pier supported by untreated timber piles. The structure measures 43'-9" back to back of abutments with two 21'-0" spans and 28'-0" out to out of the bridge deck. The bridge will be closed during construction and traffic detoured.

Salvage:

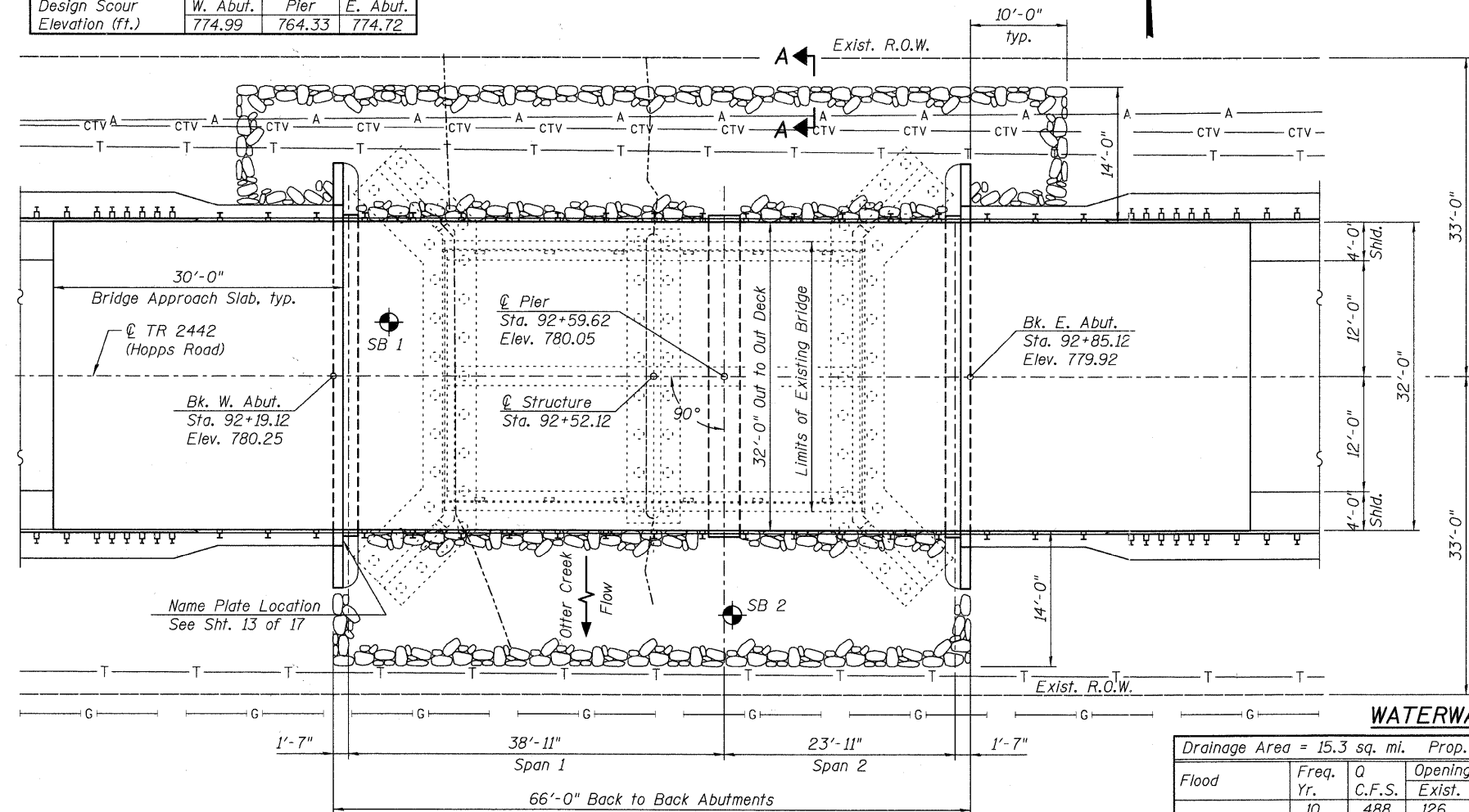
Dry hydrant attached to southwest wingwall to be salvaged.
Contractor to deliver to location as directed by the Engineer.



DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier	E. Abut.
	774.99	764.33	774.72

ELEVATION



PLAN

INDEX OF SHEETS

- GENERAL PLAN AND ELEVATION
- GENERAL NOTES & BILL OF MATERIAL
- TOP OF WEST APPROACH SLAB ELEVATIONS
- TOP OF EAST APPROACH SLAB ELEVATIONS
- SUPERSTRUCTURE
- SUPERSTRUCTURE DETAILS
- BRIDGE APPROACH SLAB DETAILS (1 OF 2)
- BRIDGE APPROACH SLAB DETAILS (2 OF 2)
- STEEL RAILING, TYPE SM
- 17"X48" PPC DECK BEAM - SPAN 1
- 17"X48" PPC DECK BEAM - SPAN 2
- 17"X48" PPC DECK BEAM DETAILS
- ABUTMENTS
- PIER
- HP PILE DETAILS
- SOIL BORING LOG I
- SOIL BORING LOG II

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST PRESTRESSED UNITS

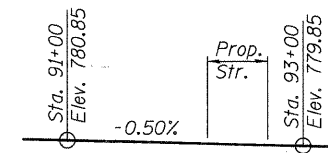
$f'_c = 6,000$ psi
 $f'_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($\frac{1}{2}$ " ϕ low lax. Strands)
 $f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " ϕ low lax Strands)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.085g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.153g
Soil Site Class = D



PROFILE GRADE

(@ Hopps Road)

OTTER CREEK
BUILT 201X BY
KANE COUNTY
SEC. 04-08107-00-BR
HOPPS ROAD
STR. NO. 045-3180
LOADING HL-93

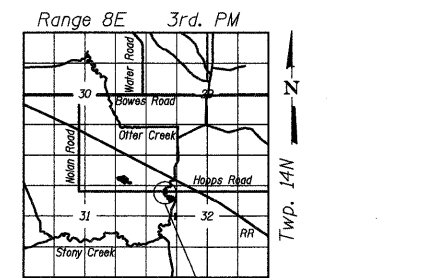
NAME PLATE

See Std. 515001

I certify that to the best of my knowledge and belief, the bridge and 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 Specifications for Highway Bridges".

David L. Smoot

David L. Smoot
Date: December 15, 2011
License Expires: 11/30/2012



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 15.3 sq. mi. Prop. Low Grade Elev. 778.98 @ Sta. 95+03.70

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	488	126	154	774.81	0.24	0.18	775.05	774.99
Base	30	862	163	205	775.96	0.39	0.24	776.35	776.20
Max. Calc.	100	1159	202	258	776.85	0.57	0.37	777.42	777.22
	500	2171	716	348	778.78	1.19	1.24	779.97	780.02

**GENERAL PLAN & ELEVATION
HOPPS ROAD OVER OTTER CREEK**

SEC. 04-08107-00-BR

KANE COUNTY

STA. 92+52.12

STRUCTURE NO. 045-3180

FILE NAME = P:\CDBREL - WEST - Projects\2009\07-0073 Hopps Rd\Structural\Drawings\0453180-63644-001-GPE.dgn



USER NAME = nparris	DESIGNED - DLS	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 12/16/2011	DRAWN - DLS	REVISED -
	CHECKED - AEU	REVISED -

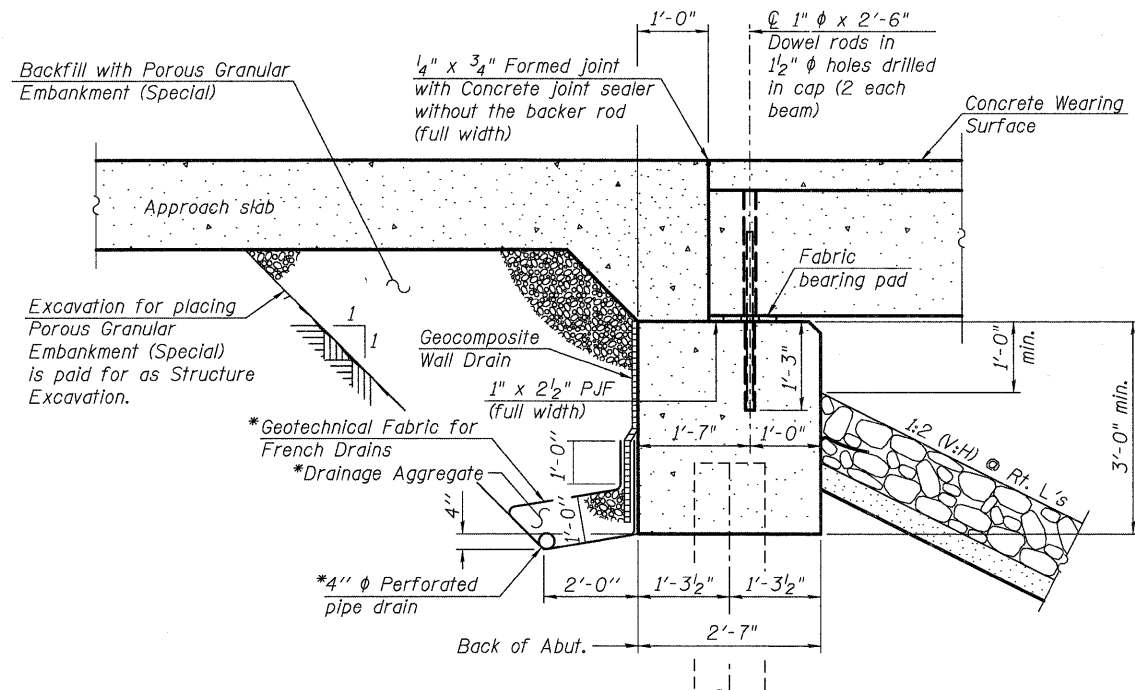
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 17 SHEETS

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63644		

TOTAL BILL OF MATERIAL

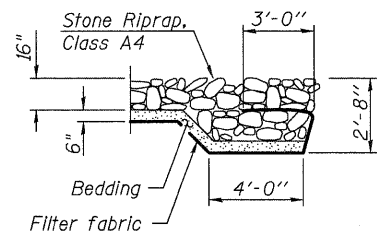
Description	Unit	Superstructure	Substructure	Total
Stone Riprap, Class A4	Sq. Yd.	----	454	454
Filter Fabric	Sq. Yd.	----	454	454
Removal of Existing Structures	Each	----	----	1
Cofferdam Excavation	Cu. Yd.	----	81	81
Cofferdam (Type 1) (Location-1)	Each	----	1	1
Structure Excavation	Cu. Yd.	----	218	218
Concrete Structures	Cu. Yd.	----	82.6	82.6
Concrete Superstructure	Cu. Yd.	98.0	----	98.0
Bridge Deck Grooving	Sq. Yd.	441	----	441
Concrete Encasement	Cu. Yd.	----	4.2	4.2
Protective Coat	Sq. Yd.	441	----	441
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2,045	----	2,045
Reinforcement Bars, Epoxy Coated	Pound	27,560	7,040	34,600
Steel Railing, Type SM	Foot	188	----	188
Furnishing Steel Piles HP 12x53	Foot	----	980	980
Driving Piles	Foot	----	980	980
Test Pile Steel HP 12x53	Each	----	3	3
Pile Shoes	Each	----	18	18
Name Plates	Each	----	1	1
Geocomposite Wall Drain	Sq. Yd.	----	24	24
Porous Granular Embankment, Special	Cu. Yd.	----	40	40
Concrete Wearing Surface, 5"	Sq. Yd.	228	----	228
Pipe Underdrains for Structures 4"	Foot	----	112	112



SECTION THRU ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting 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

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

FILE NAME = P:\CIBEL WEST Projects\2009\08-07\3 Hoppers\1\Structure\1\Drawings\0453180-63644-002-GenData.dgn

NORTH EDGE OF SHOULDER

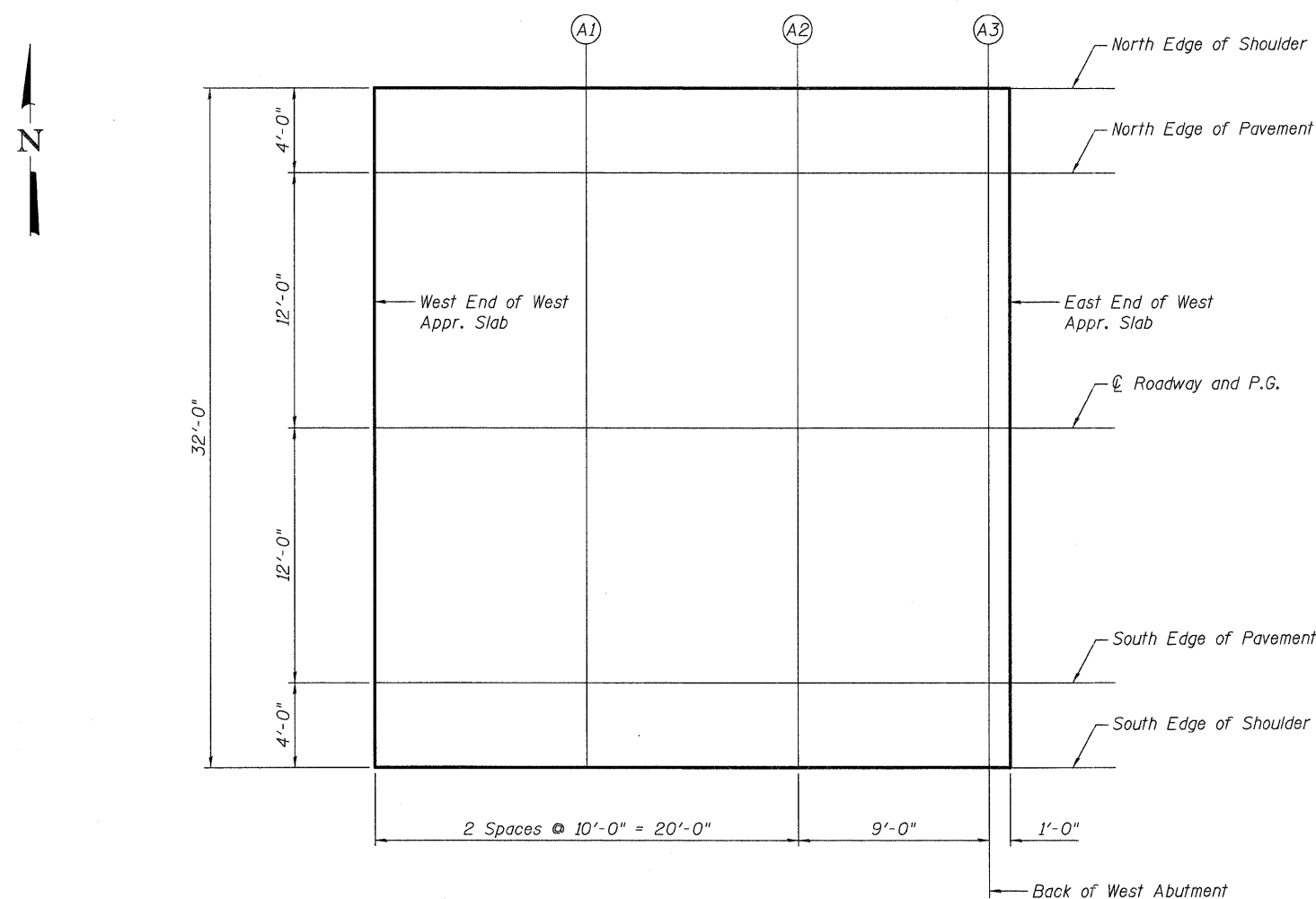
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	91+90.12	-16.00	780.15
A1	92+00.12	-16.00	780.10
A2	92+10.12	-16.00	780.05
A3	92+19.12	-16.00	780.00
E. End W. Appr. Slab	92+20.12	-16.00	780.00

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	91+90.12	-12.00	780.21
A1	92+00.12	-12.00	780.16
A2	92+10.12	-12.00	780.11
A3	92+19.12	-12.00	780.06
E. End W. Appr. Slab	92+20.12	-12.00	780.06

℄ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	91+90.12	0.00	780.40
A1	92+00.12	0.00	780.35
A2	92+10.12	0.00	780.30
A3	92+19.12	0.00	780.25
E. End W. Appr. Slab	92+20.12	0.00	780.25



PLAN
West Approach

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	91+90.12	12.00	780.21
A1	92+00.12	12.00	780.16
A2	92+10.12	12.00	780.11
A3	92+19.12	12.00	780.06
E. End W. Appr. Slab	92+20.12	12.00	780.06

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	91+90.12	16.00	780.15
A1	92+00.12	16.00	780.10
A2	92+10.12	16.00	780.05
A3	92+19.12	16.00	780.00
E. End W. Appr. Slab	92+20.12	16.00	780.00

FILE NAME = P:\CBBEL\WEST - Projects\2009\09-0073 - Hoppel\PH\Structural\Drawings\Final\Plan\045-3180-TopApprSlabElev_West.dgn

E-AS

7-1-10



USER NAME = nparria	DESIGNED - DLS	REVISED -
	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - DLS	REVISED -
PLOT DATE = 12/16/2011	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3180

SHEET NO. 3 OF 17 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

NORTH EDGE OF SHOULDER

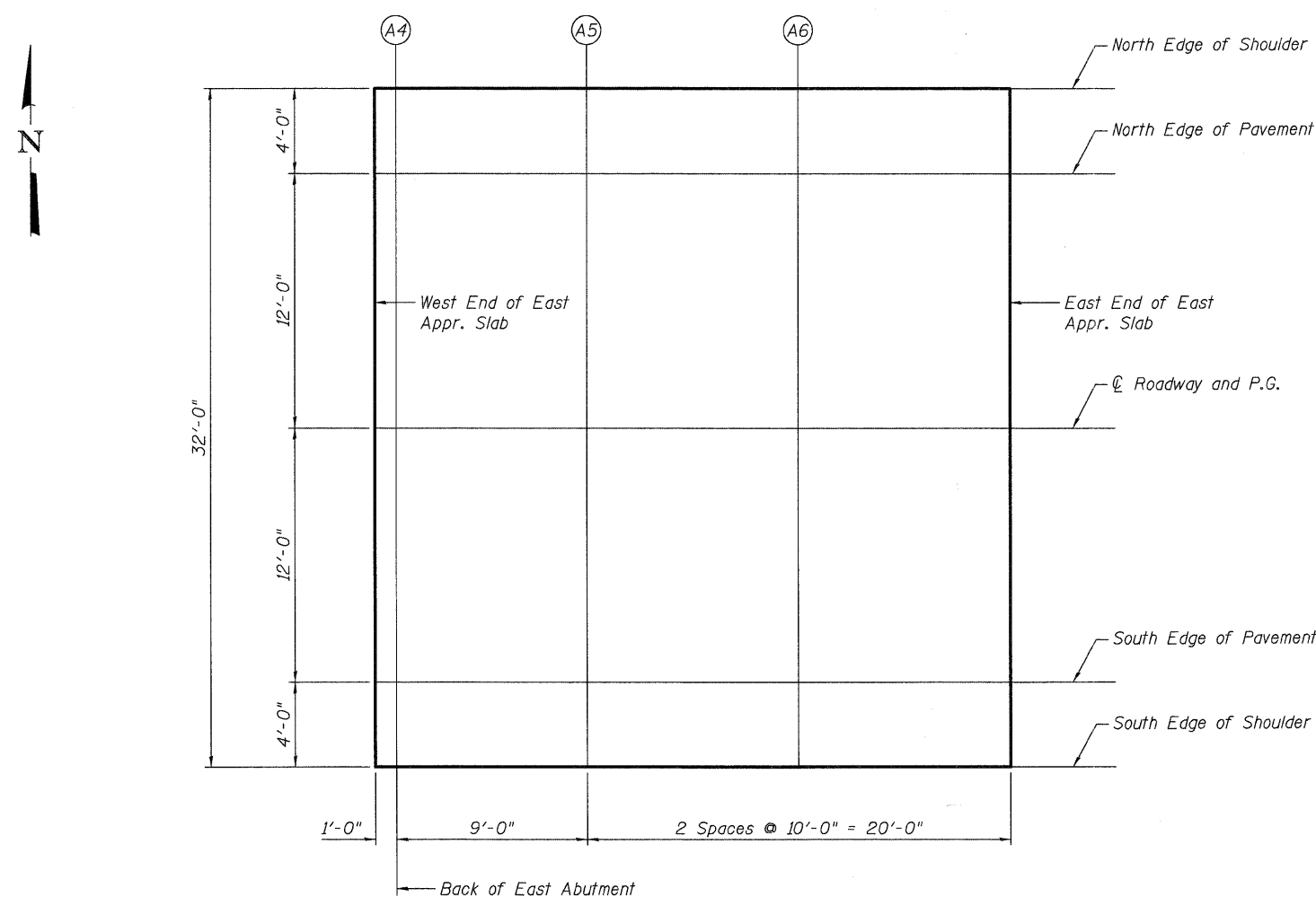
Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	92+84.12	-16.00	779.68
A4	92+85.12	-16.00	779.67
A5	92+94.12	-16.00	779.63
A6	93+04.12	-16.00	779.58
E. End E. Appr. Slab	93+14.12	-16.00	779.53

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	92+84.12	-12.00	779.74
A4	92+85.12	-12.00	779.73
A5	92+94.12	-12.00	779.69
A6	93+04.12	-12.00	779.64
E. End E. Appr. Slab	93+14.12	-12.00	779.59

☉ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	92+84.12	0.00	779.93
A4	92+85.12	0.00	779.92
A5	92+94.12	0.00	779.88
A6	93+04.12	0.00	779.83
E. End E. Appr. Slab	93+14.12	0.00	779.78



PLAN
East Approach

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	92+84.12	12.00	779.74
A4	92+85.12	12.00	779.73
A5	92+94.12	12.00	779.69
A6	93+04.12	12.00	779.64
E. End E. Appr. Slab	93+14.12	12.00	779.59

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	92+84.12	16.00	779.68
A4	92+85.12	16.00	779.67
A5	92+94.12	16.00	779.63
A6	93+04.12	16.00	779.58
E. End E. Appr. Slab	93+14.12	16.00	779.53

E-AS

7-1-10

FILE NAME = P:\CIBBEL_MEST_Projects\2009\05-0073_Hoppe\PHD\Structural\Draw\Final\Plan\0453180-63644-004-TopApprSlabElev_East.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174

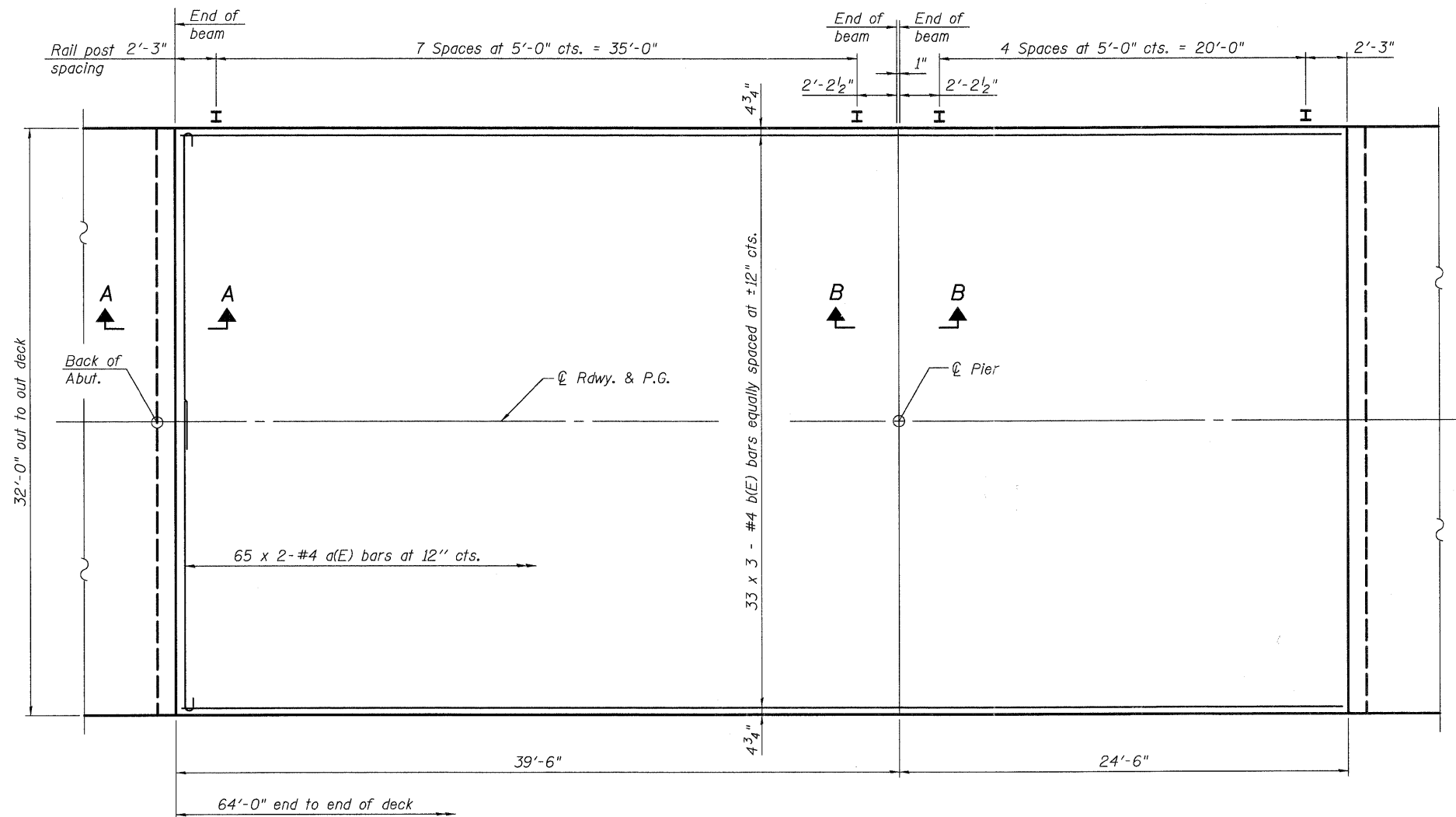
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PLOT DATE = 12/16/2011	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3180

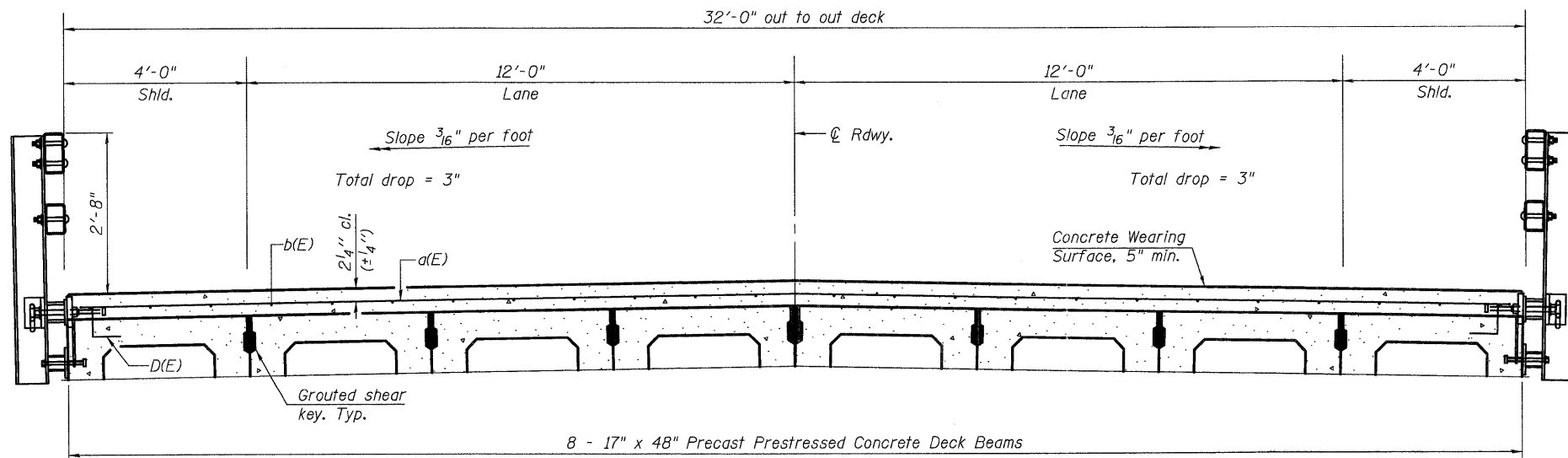
SHEET NO. 4 OF 17 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	



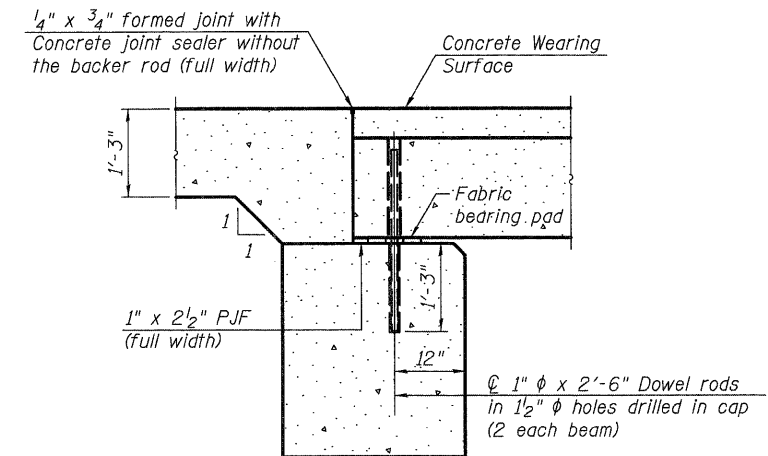
PLAN

MINIMUM BAR LAP
#4 bar = 2'-0"



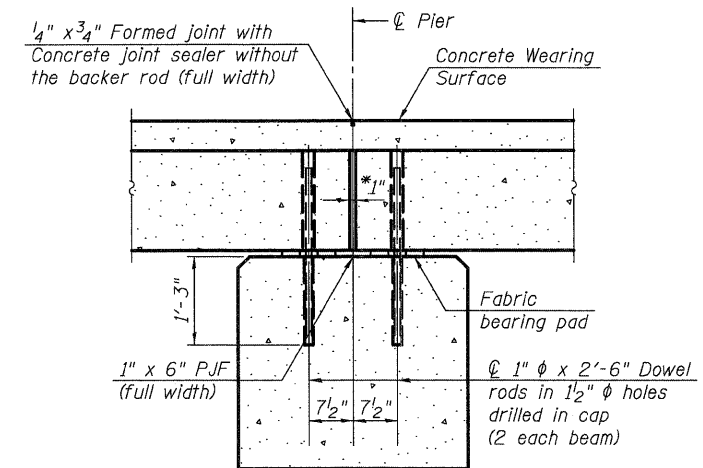
CROSS SECTION
(Looking Upstation)

Notes:
See Sheet 6 of 17 for Superstructure Details and Bill of Material.
Bars indicated thus 65 x 2-#4 etc. indicates 65 lines of bars with 2 lengths per line.



SECTION A-A

Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See Sheet 12 of 17 for fabric bearing pad details.



SECTION B-B

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

PDS-M-R34-0 7-1-10



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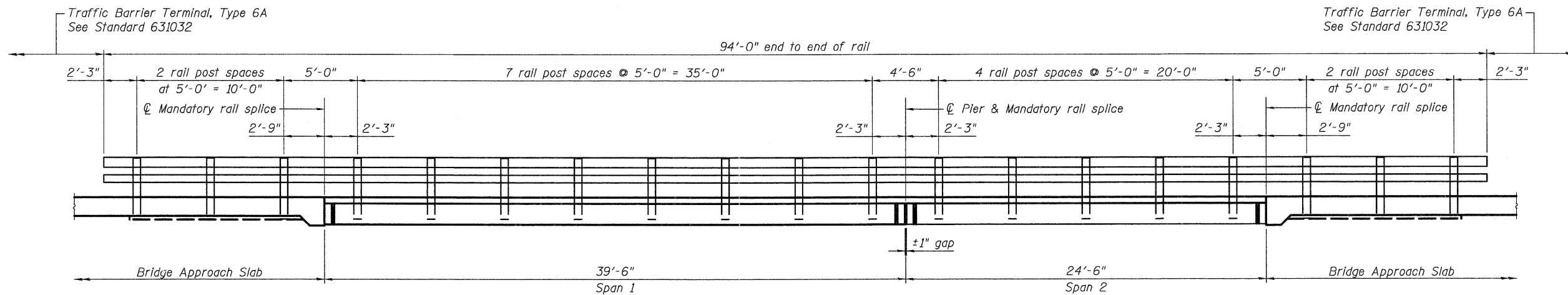
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 045-3180

SHEET NO. 5 OF 17 SHEETS

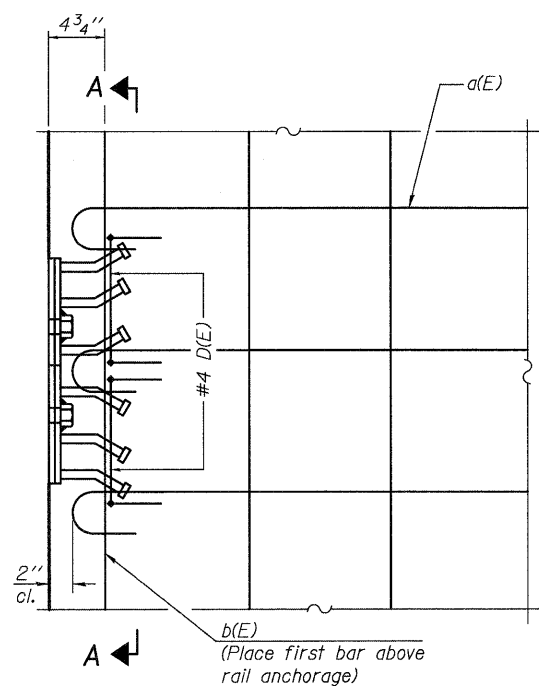
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

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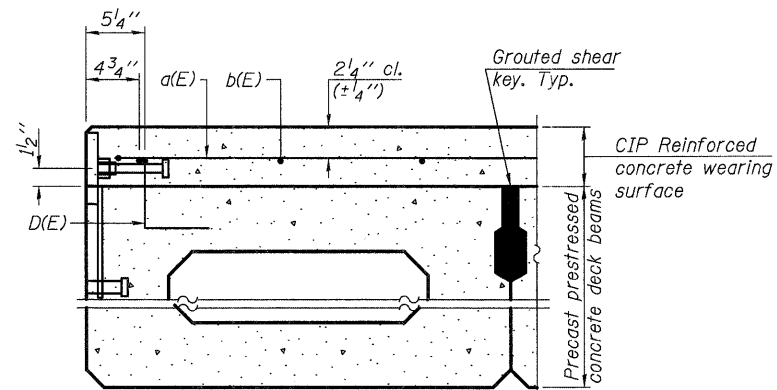
ELEVATION

Showing Rail Post Spaces
See Sheet 9 for Railing Details.

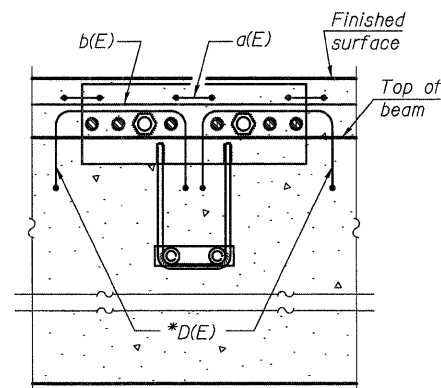


PLAN

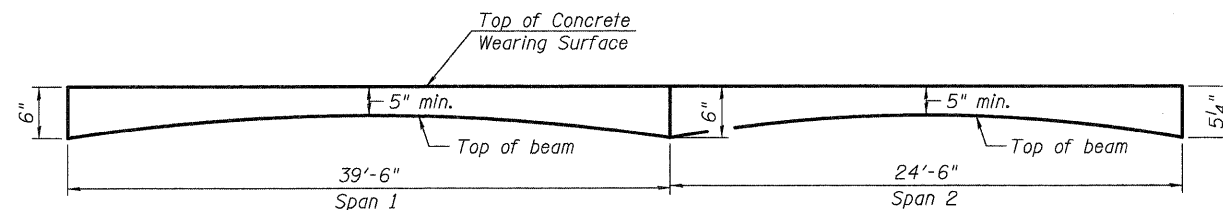
Notes:
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.



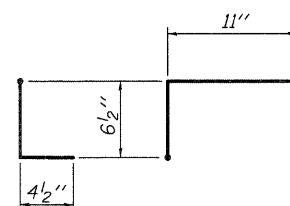
SECTION THRU FASCIA BEAM



SECTION A-A

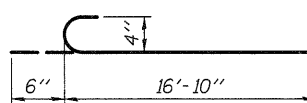


ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)



BAR D(E)

* Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.



BAR a(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	130	#4	17'-4"	
b(E)	99	#4	22'-8"	
Reinforcement Bars, Epoxy Coated		Pound	3,000	
Concrete Wearing Surface, 5"		Sq. Yd.	228	

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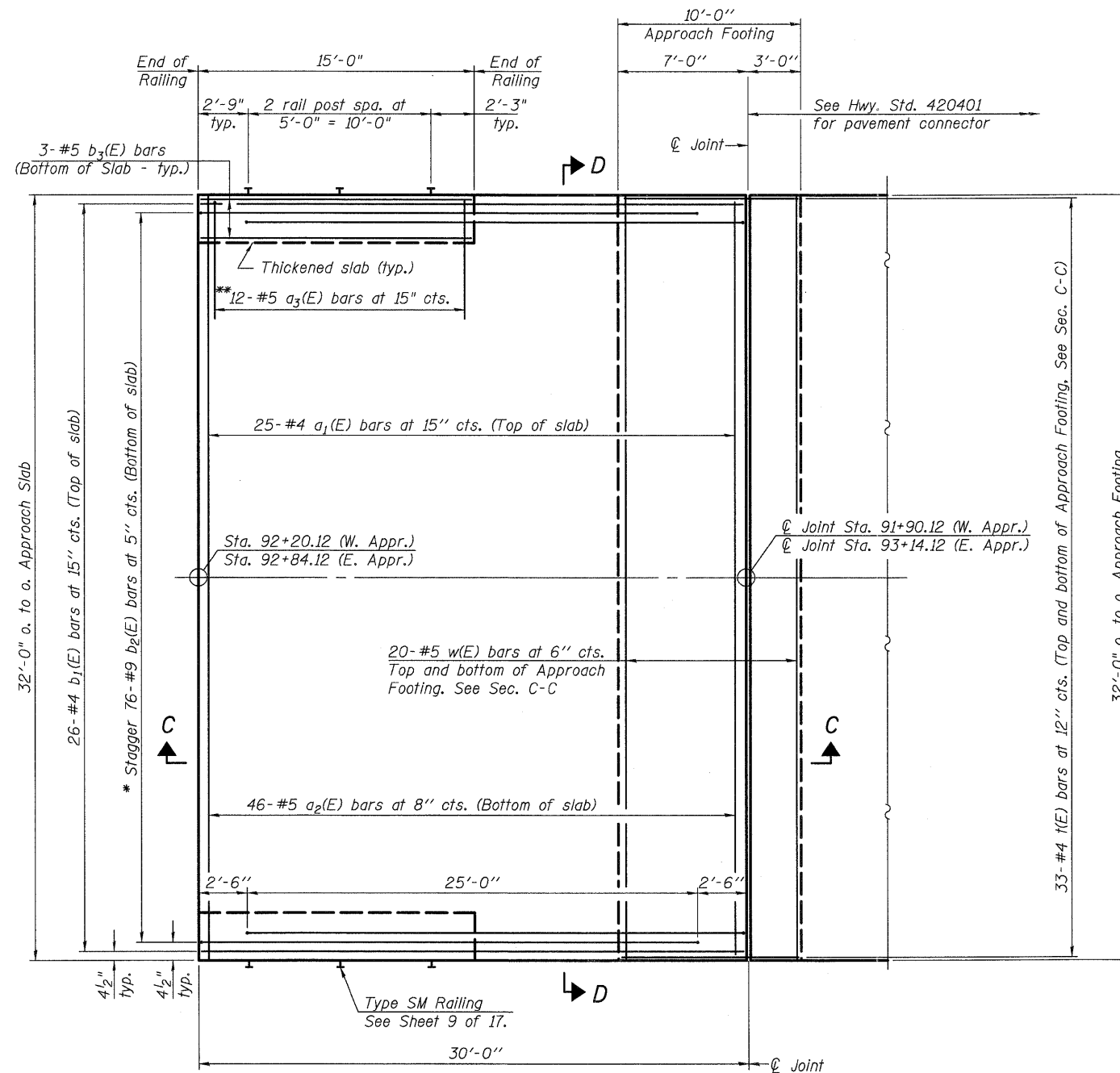
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 045-3180

SHEET NO. 6 OF 17 SHEETS

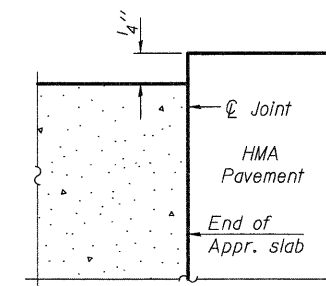
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

Note:
See Sheet 8 of 17 for Sections C-C and D-D.
See Sheet 9 of 17 for SM Railing and connections.



PLAN

*Tilt #9 b₂(E) bars as required to maintain clearance.
**Space between a₁(E) bars.



FLEXIBLE PAVEMENT

DETAIL E

(Sheet 1 of 2)

FILE NAME = P:\DBBEL WEST Projects\2009\UG-0073\Hopsa\PH\Structural\Drawings\17-04-08-63644-007-BrIDGE\Approach Slab\Slab.Dwg



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 045-3180**

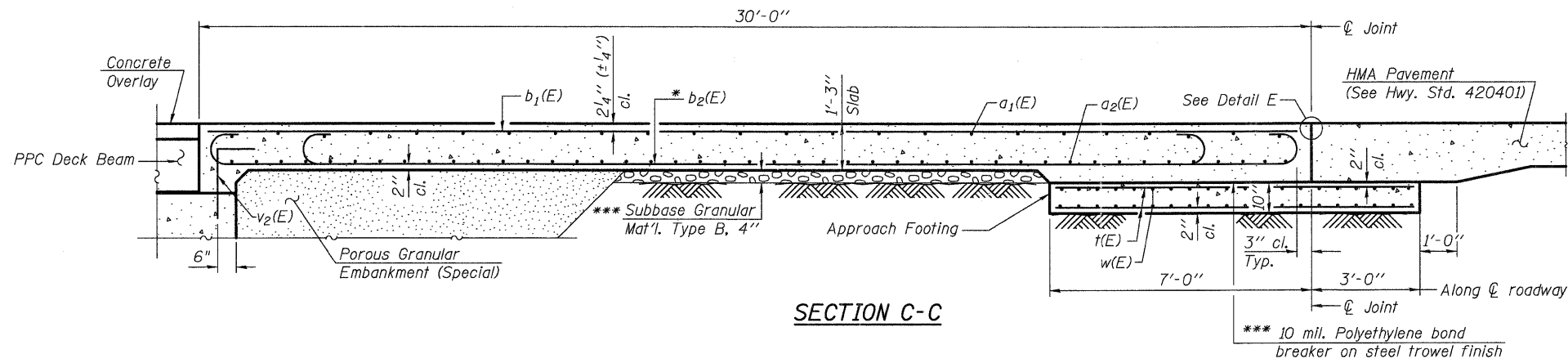
SHEET NO. 7 OF 17 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

Notes

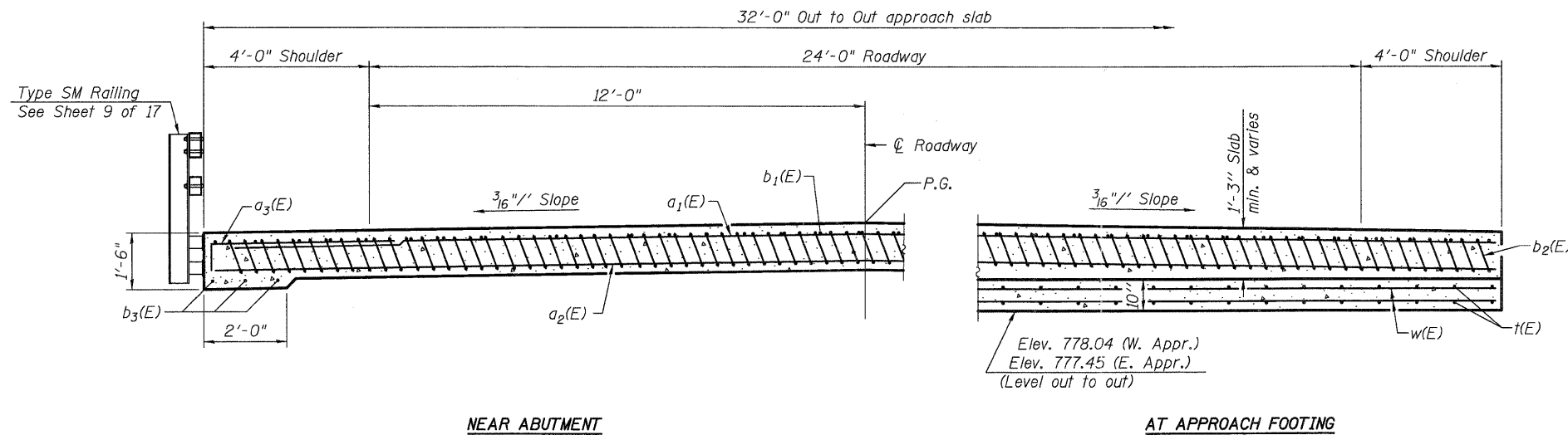
See Sheet 7 of 17 for Detail E.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For $v_2(E)$ bar details, see Sheet 13 of 17.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage details, see Sheet 2 of 17.

* Tilt #9 $b_2(E)$ bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

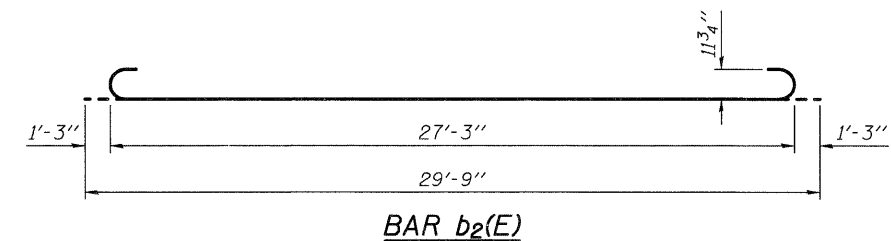
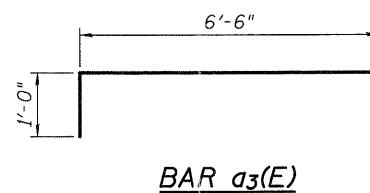


**TWO APPROACHES
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
$a_1(E)$	50	#4	31'-8"	—
$a_2(E)$	92	#5	31'-8"	—
$a_3(E)$	48	#5	7'-6"	—
$b_1(E)$	52	#4	29'-8"	—
$b_2(E)$	152	#9	29'-9"	U
$b_3(E)$	12	#5	14'-8"	—
$t(E)$	132	#4	9'-8"	—
$w(E)$	80	#5	31'-8"	—
Concrete Superstructure			Cu. Yd.	98.0
Concrete Structures			Cu. Yd.	19.8
Reinforcement Bars, Epoxy Coated			Pound	24,560



SECTION D-D
 (See Plan for dimensions not shown)



(Sheet 2 of 2)

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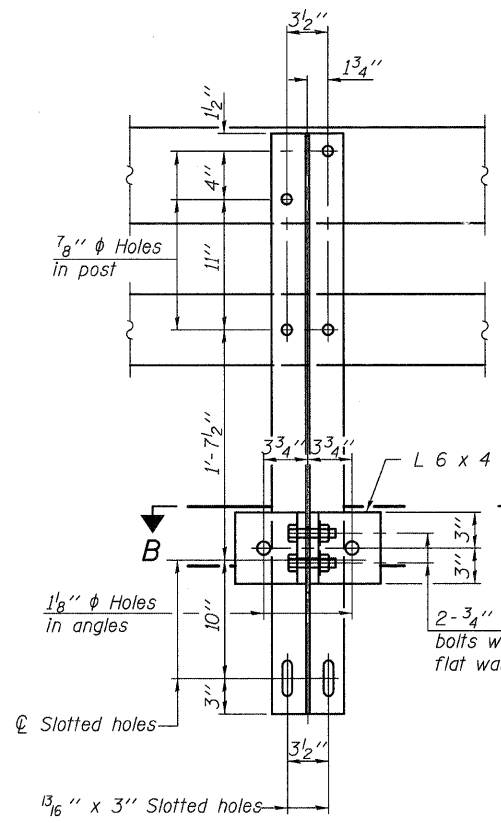
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

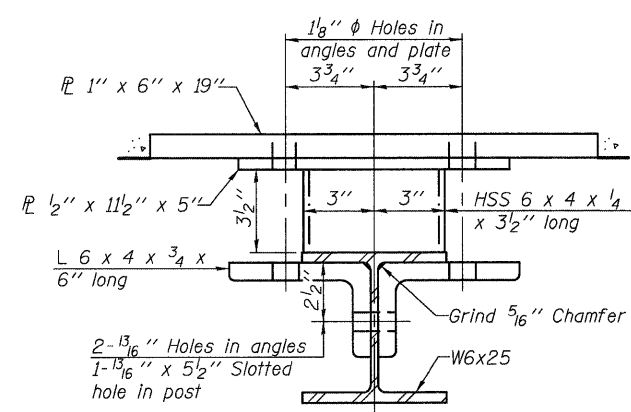
**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 045-3180**

SHEET NO. 8 OF 17 SHEETS

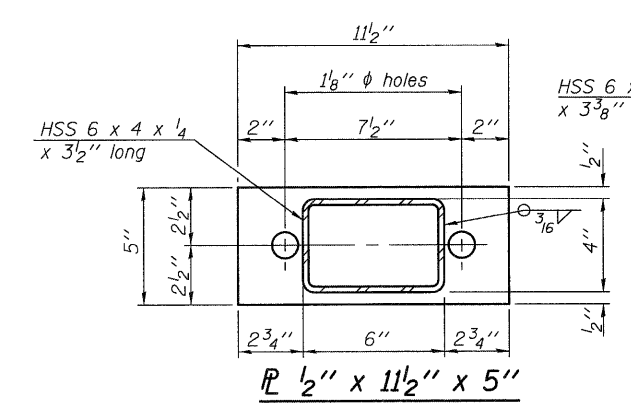
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CONTRACT NO. 63644				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SECTION A-A

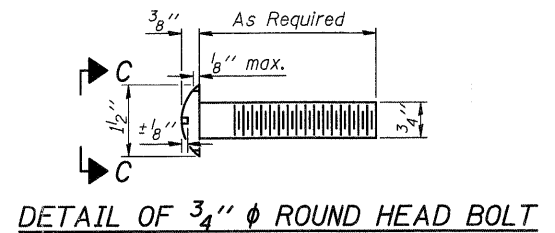


SECTION B-B

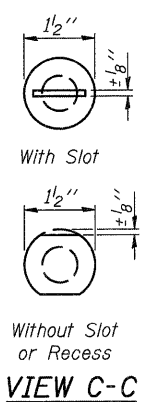


SECTION AT RAIL POST

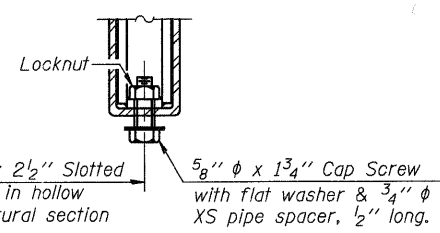
*** "Top of beam" and "CWS varies" refers to the PPC deck beams and the concrete wearing surface. This detail shall also be used for mounting SM Rail posts on the approach slabs.



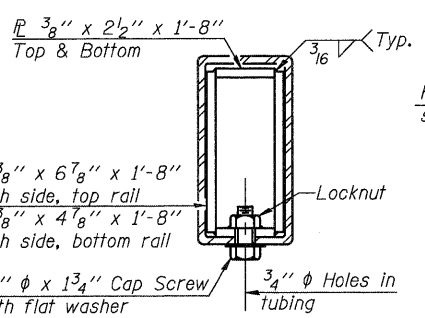
DETAIL OF 3/4" ϕ ROUND HEAD BOLT



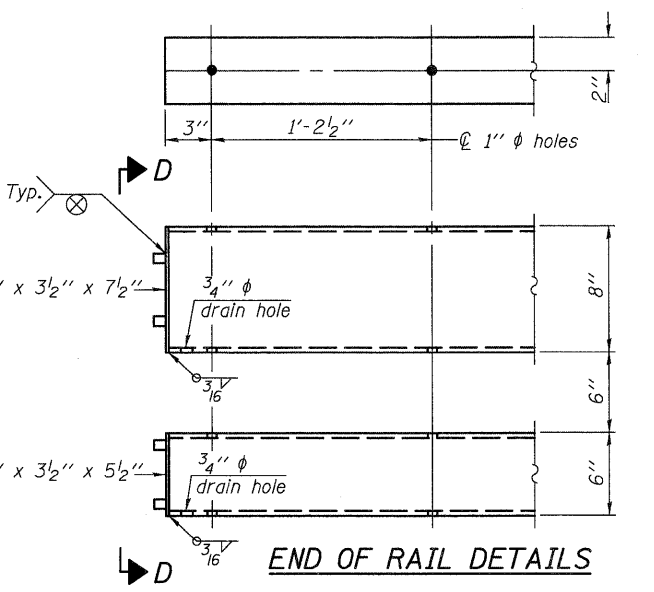
VIEW C-C



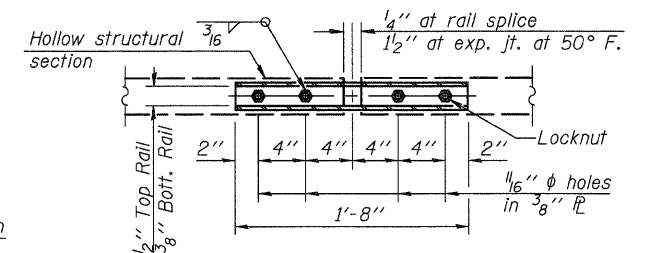
RAIL SPLICE CONNECTION AT EXPANSION JT.



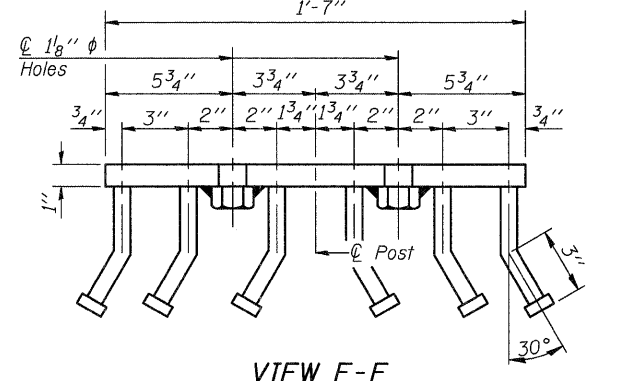
SECTION AT RAIL SPLICE



END OF RAIL DETAILS

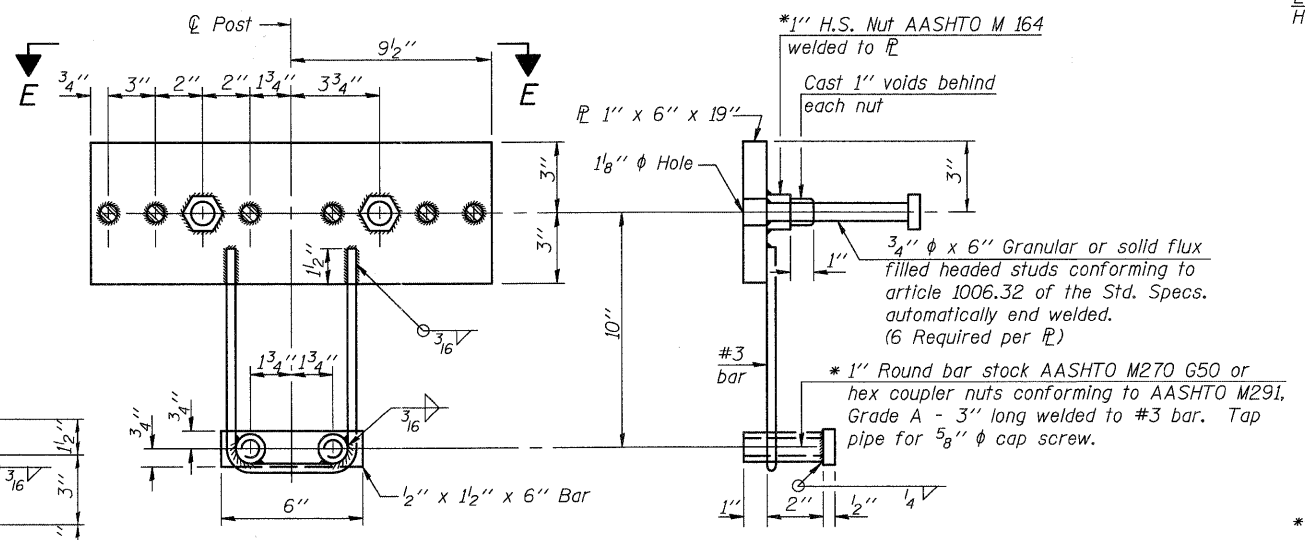


PLAN-BOTT. SPLICE TYPICAL



VIEW E-E

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	188

R-34CWS

7-1-10 (6'-3" Maximum Post Spacing) (5" minimum to 7 1/8" maximum CWS thickness)

FILE NAME = P:\CIBEL WEST Projects\2009\09-0073 Hopper\11\Structural\1\Drawings\Rail\Rail1.Dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

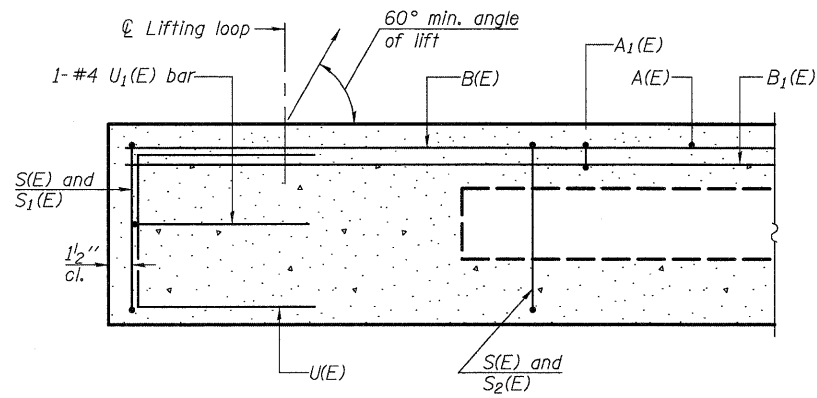
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

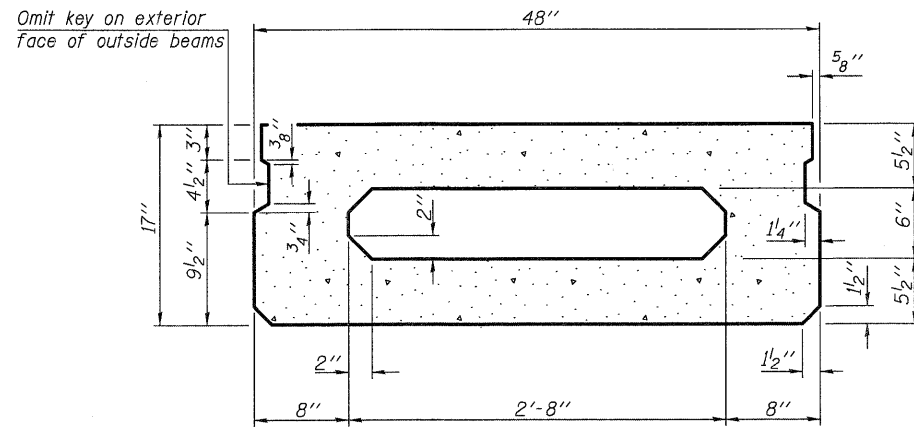
**STEEL RAILING, TYPE SM
 STRUCTURE NO. 045-3180**

SHEET NO. 9 OF 17 SHEETS

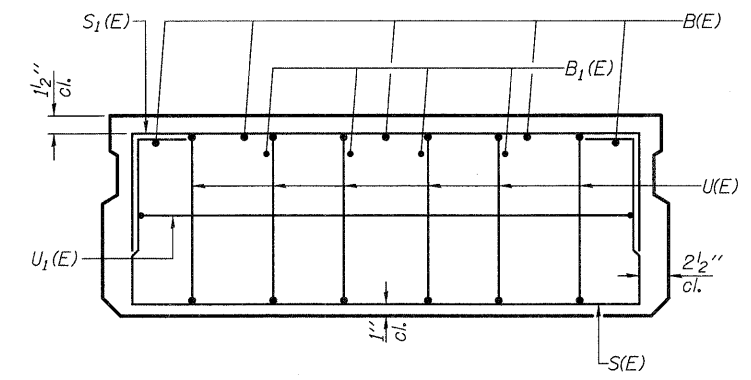
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
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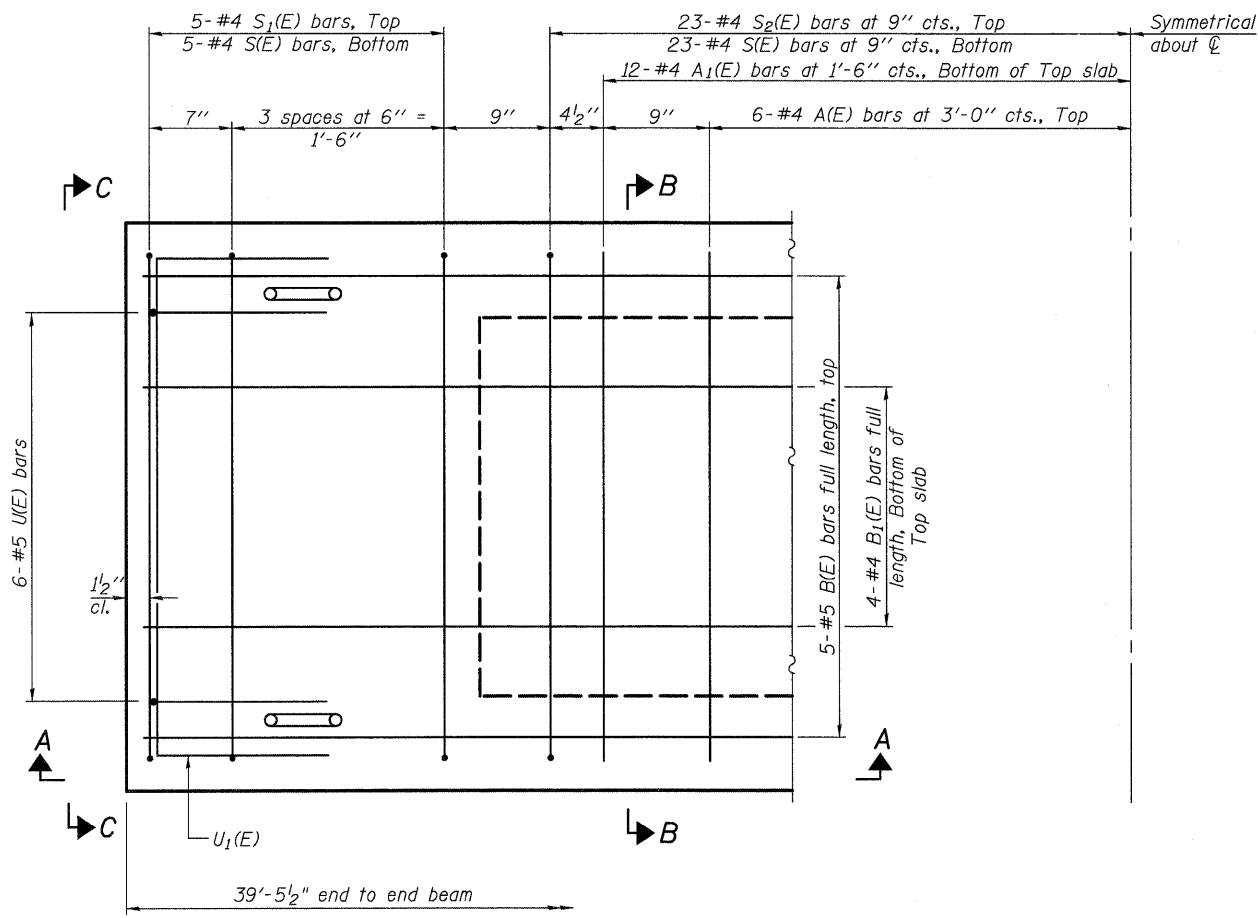
SECTION A-A



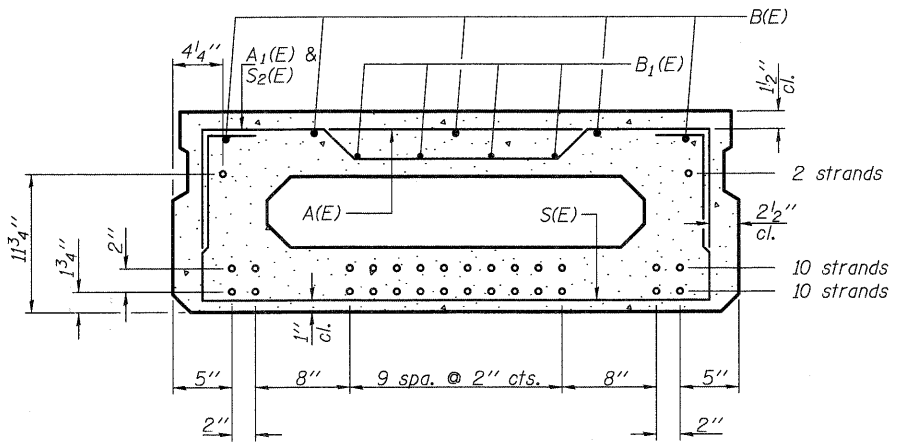
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B

(Showing reinforcement and permissible strand locations)
 22-1/2" ϕ Strands
 (10 strands 1 3/4" up, 10 strands 3 3/4" up, 2 strands 11 3/4" up)
 Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
 ONE BEAM ONLY
 (For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	3'-7"	—
A1(E)	24	#4	3'-10"	—
B(E)	5	#5	39'-2"	—
B1(E)	4	#4	39'-2"	—
S(E)	56	#4	6'-9"	—
S1(E)	10	#4	5'-3"	□
S2(E)	46	#4	5'-6"	□
U(E)	12	#5	3'-8"	□
U1(E)	2	#4	6'-0"	□

Note: See Sheet 7 of 17 for additional details and Bill of Material.

MINIMUM BAR LAP

#4 bar = 2'-0"
 #5 bar = 2'-6"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

SPAN 1

FILE NAME = P:\CBBEL WEST Projects\2289\09-2073 Hoppers\IT\Structural\Drawings\17-10-10-PPC Deck Beam Span 1.dgn

PD-1748-0

7-1-10

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 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

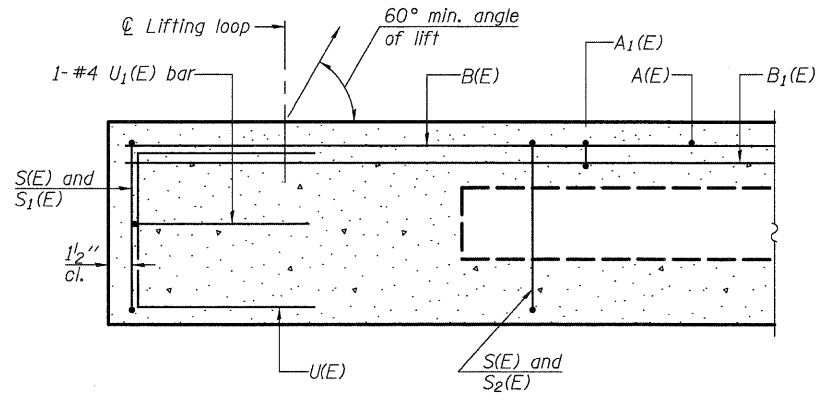
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STATE OF ILLINOIS
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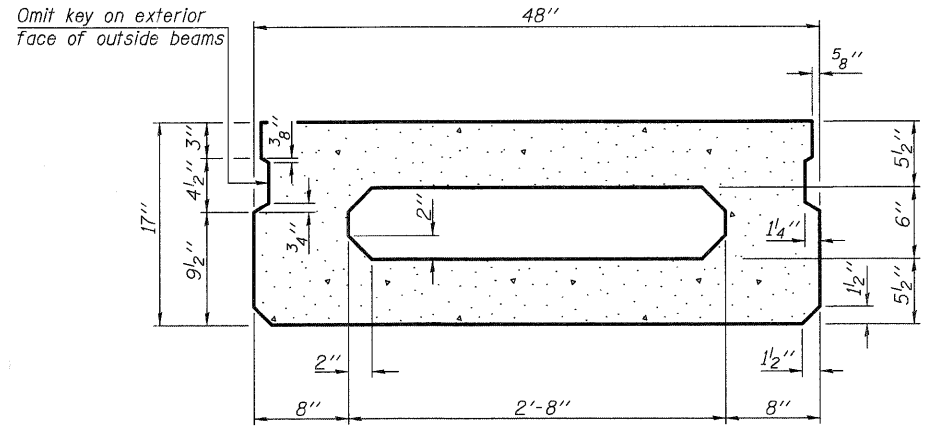
17" x 48" PPC DECK BEAM - SPAN 1
 STRUCTURE NO. 045-3180

SHEET NO. 10 OF 17 SHEETS

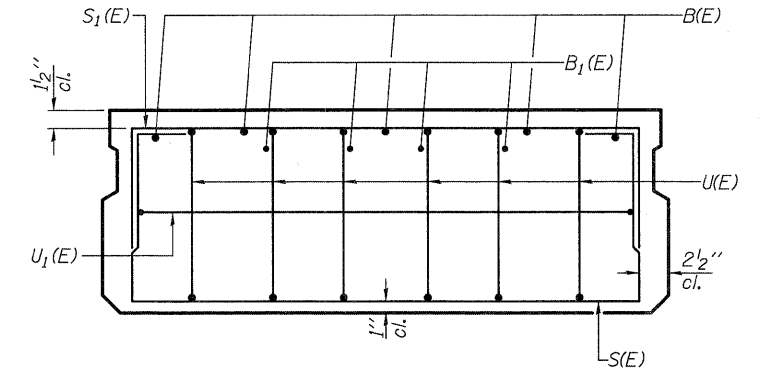
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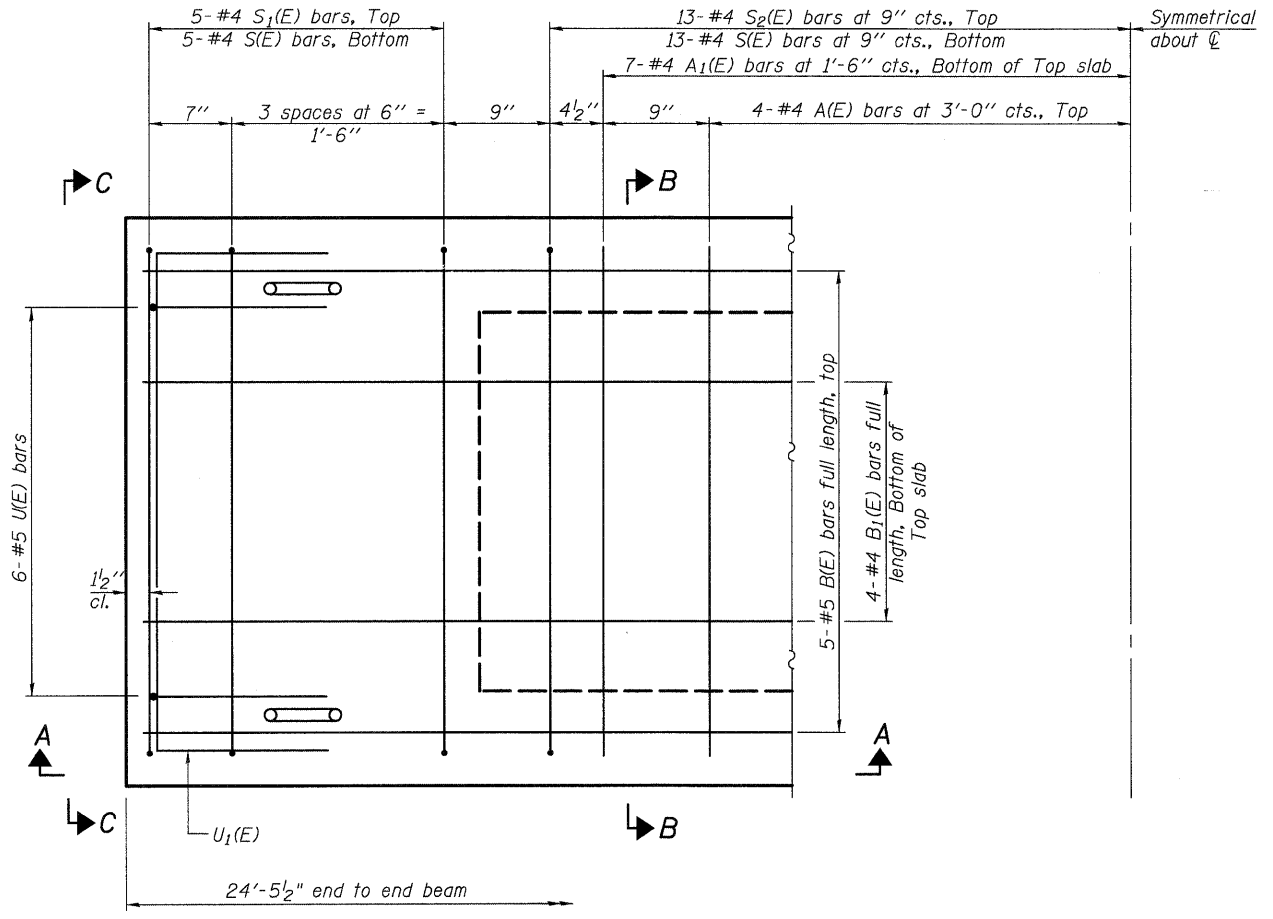
SECTION A-A



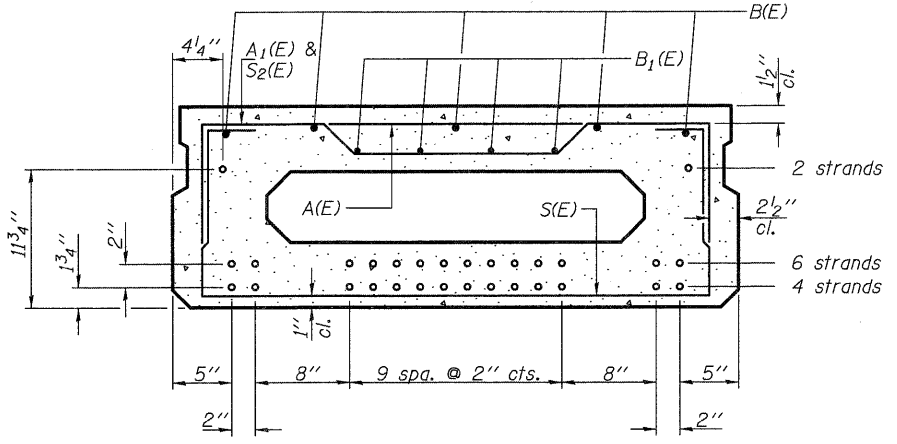
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)
12-1/2" ϕ Strands
(4 strands 1 3/4" up, 6 strands 3 3/4" up, 2 strands 11 3/4" up)
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	8	#4	3'-7"	—
A1(E)	14	#4	3'-10"	—
B(E)	5	#5	24'-2"	—
B1(E)	4	#4	24'-2"	—
S(E)	36	#4	6'-9"	□
S1(E)	10	#4	5'-3"	□
S2(E)	26	#4	5'-6"	□
U(E)	12	#5	3'-8"	□
U1(E)	2	#4	6'-0"	□

Note: See Sheet 7 of 17 for additional details and Bill of Material.

MINIMUM BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

SPAN 2

FILE NAME = P:\GDBEL\WEST Projects\2009\09-0073 Hoppe\PH11\Structure\Ugn\Final\Plan\17x48-PPC Deck Beam_Span 2.dgn

PD-1748-0

7-1-10



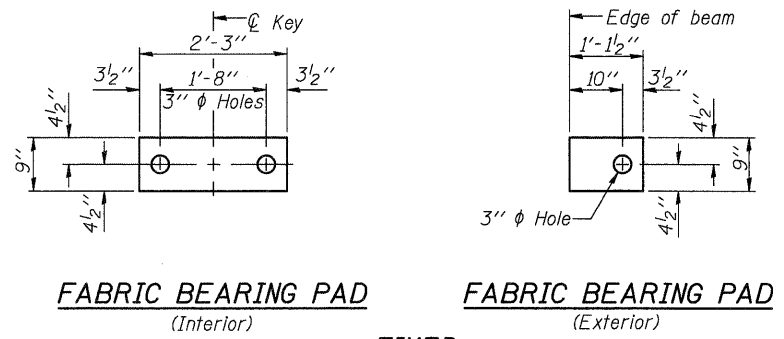
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	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

17" x 48" PPC DECK BEAM - SPAN 2
STRUCTURE NO. 045-3180

SHEET NO. 11 OF 17 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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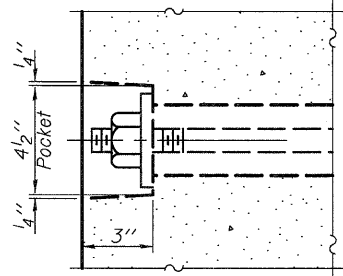


FABRIC BEARING PAD
(Interior)

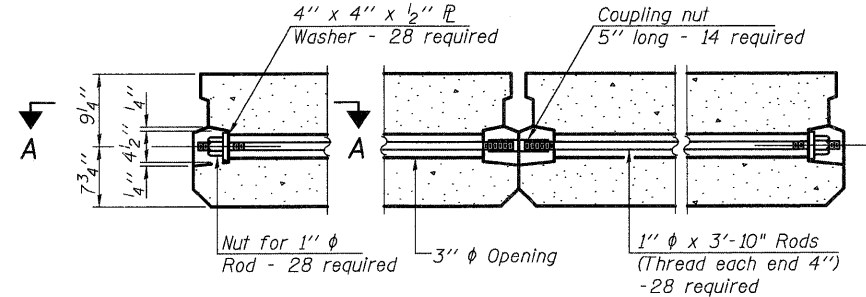
FABRIC BEARING PAD
(Exterior)

FIXED

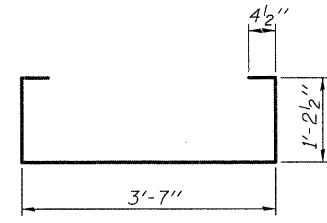
Notes:
All bearing pads shall be 1" thick.



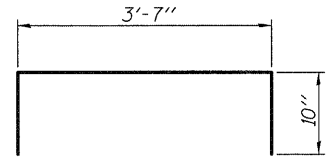
SECTION A-A



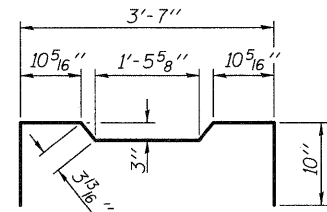
TYPICAL TRANSVERSE TIE ASSEMBLY



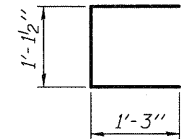
BAR S(E)



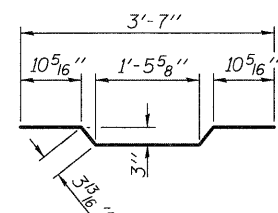
BAR S1(E)



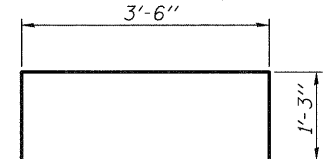
BAR S2(E)



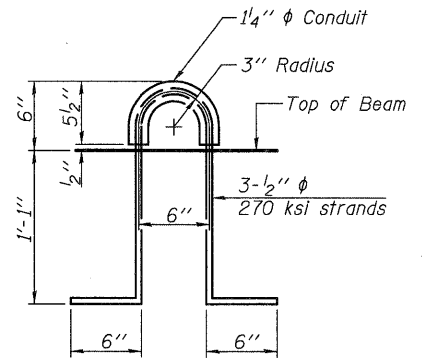
BAR U(E)



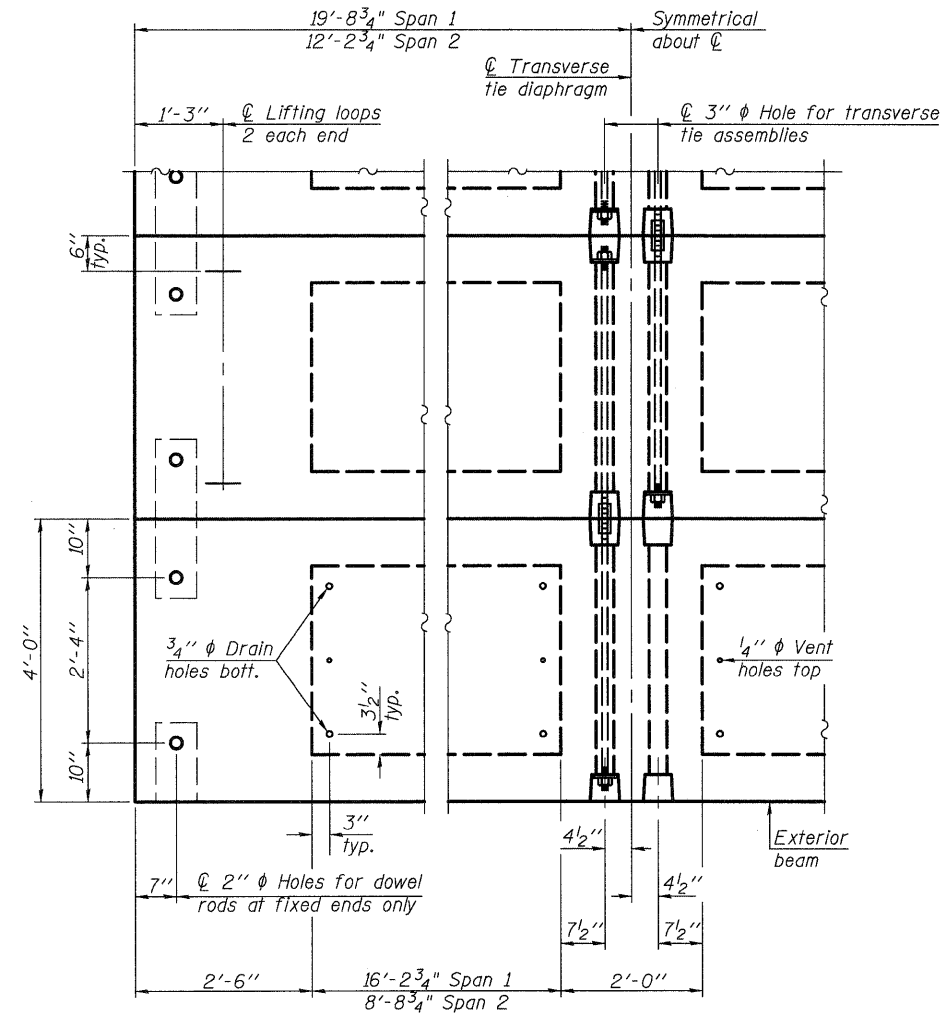
BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL



PLAN VIEW

Note: Connect beams in pairs with the transverse tie configuration shown.

NOTES

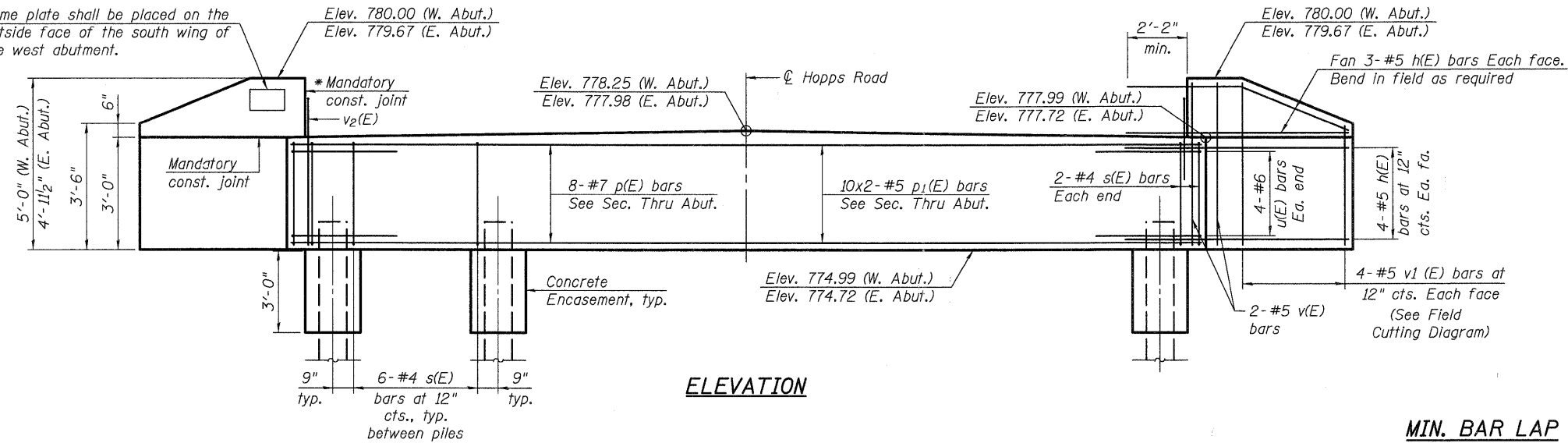
- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
- The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
- Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).
- Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
- A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
- Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
- Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
- Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	2,045
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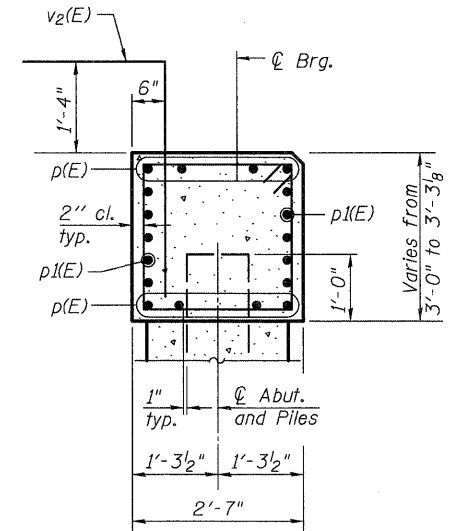
* Cast top of wingwall flush with exterior beam face after beams have been erected.

Name plate shall be placed on the outside face of the south wing of the west abutment.

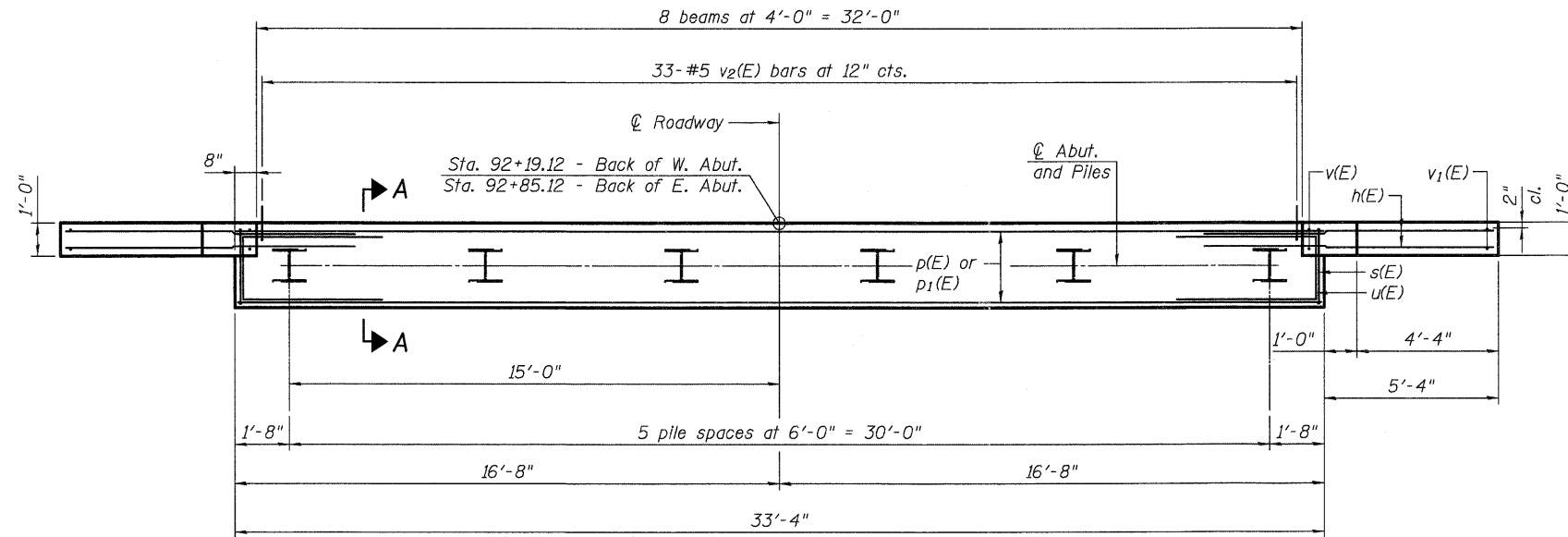


ELEVATION

MIN. BAR LAP
#5 bars = 3'-3"



SECTION A-A



PLAN

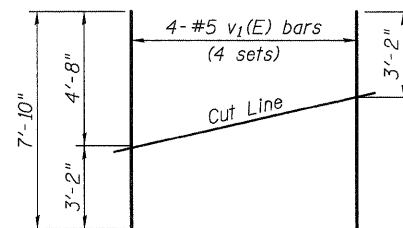
PILE DATA

West Abutment

Type: Steel HP 12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 66'
No. Production Piles: 5
No. Test Piles: 1

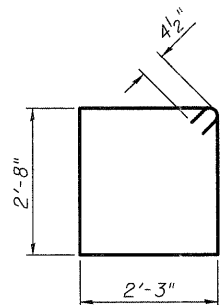
East Abutment

Type: Steel HP 12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 65'
No. Production Piles: 5
No. Test Piles: 1

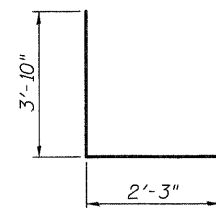


FIELD CUTTING DIAGRAM

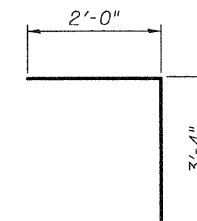
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



BAR u(E)



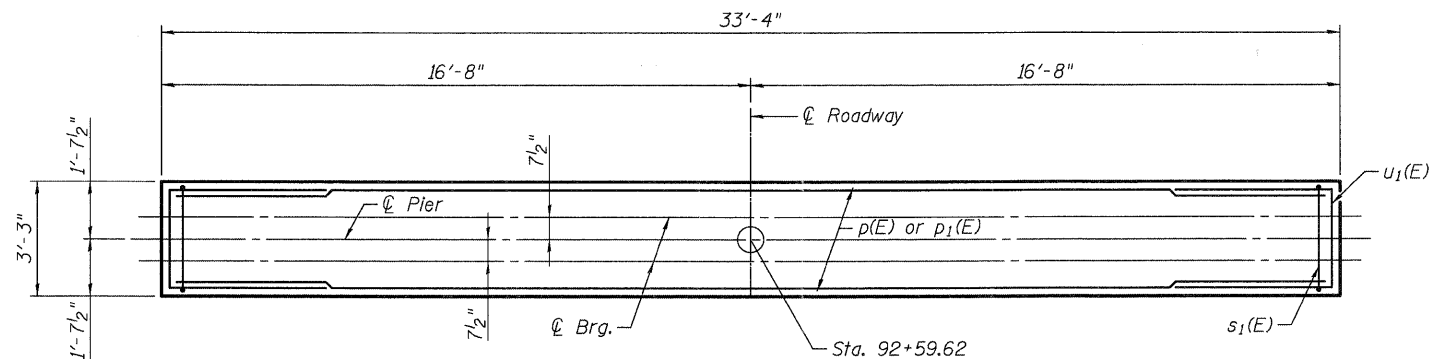
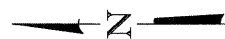
BAR v2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	56	#5	8'-0"	—
p(E)	16	#7	33'-0"	—
p1(E)	40	#5	18'-2"	—
s(E)	68	#4	10'-7"	□
u(E)	16	#6	9'-11"	—
v(E)	16	#5	4'-8"	—
v1(E)	16	#5	7'-10"	—
v2(E)	66	#5	5'-4"	└
Structure Excavation		Cu. Yd.	218	
Concrete Structures		Cu. Yd.	23.7	
Concrete Encasement		Cu. Yd.	4.2	
Reinforcement Bars, Epoxy Coated		Pound	3,870	
Furnishing Steel Piles, HP 12x53		Foot	655	
Driving Piles		Foot	655	
Test Pile Steel HP 12x53		Each	2	
Pile Shoes		Each	12	

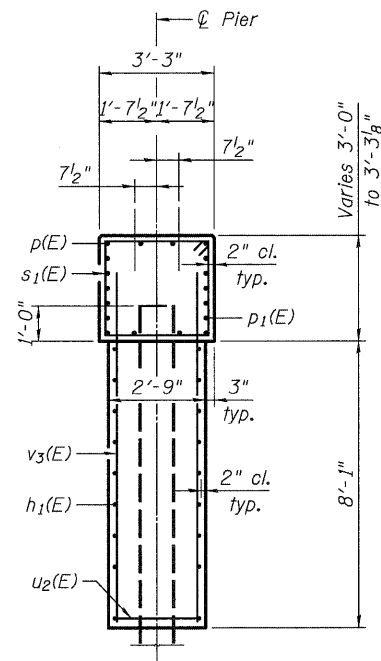
Bars indicated thus 10 x 2-#5 indicates 10 lines of bars with 2 lengths per line.
For details of piles and Concrete Encasement, see Sheet 15 of 17.

FILE NAME = P:\CIBBEL WEST Projects\2009\09-09\73 Hopps\PII\Structural\Drawings\045188-6364-013-Abutment.dwg

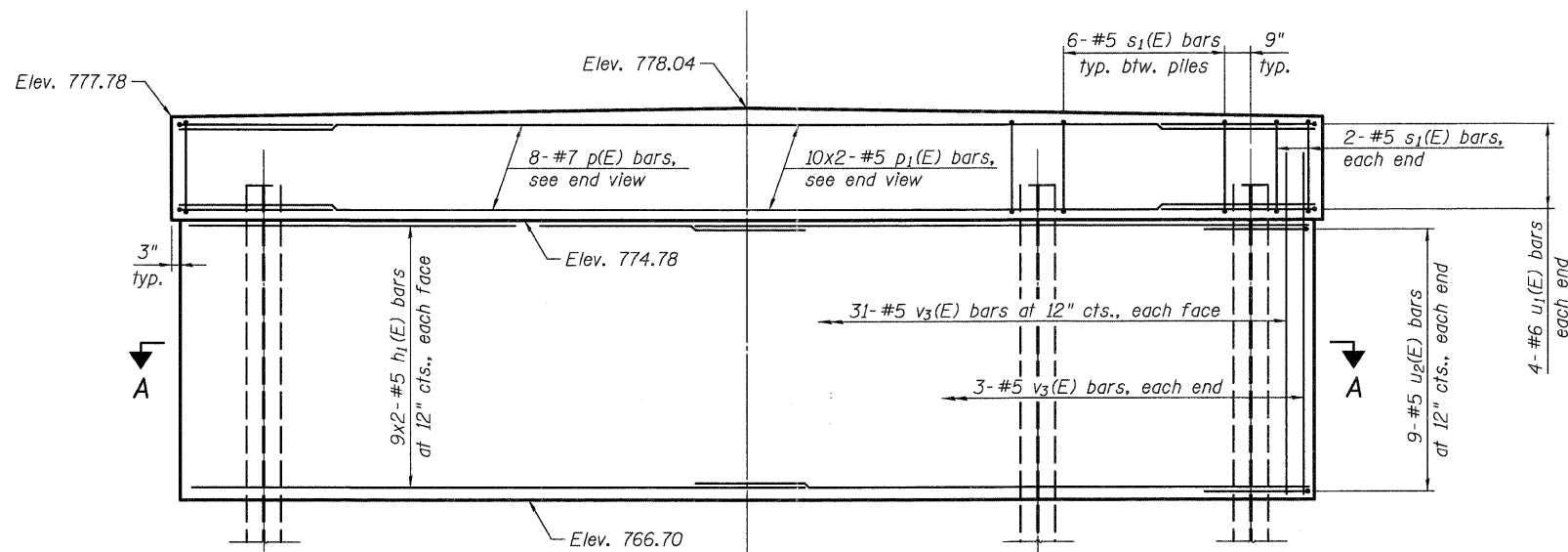


TOP PLAN

Notes:
 Space reinforcement in pier cap to miss beam anchor dowels.
 The Steel H-Piles shall be according to AASHTO M270, Grade 50. For details of piles, see sheet 15 of 17.
 All exposed edges shall have standard 3/4" chamfer except as noted.



END VIEW

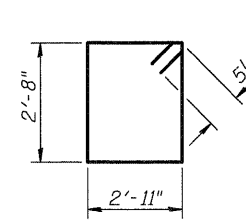


ELEVATION

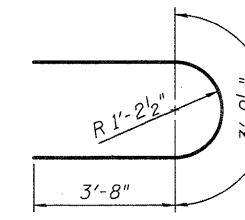
(Looking Upstation)

MINIMUM BAR LAP

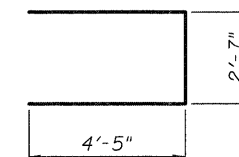
#5 bar = 3'-3"



BAR s1(E)



BAR u2(E)



BAR u1(E)

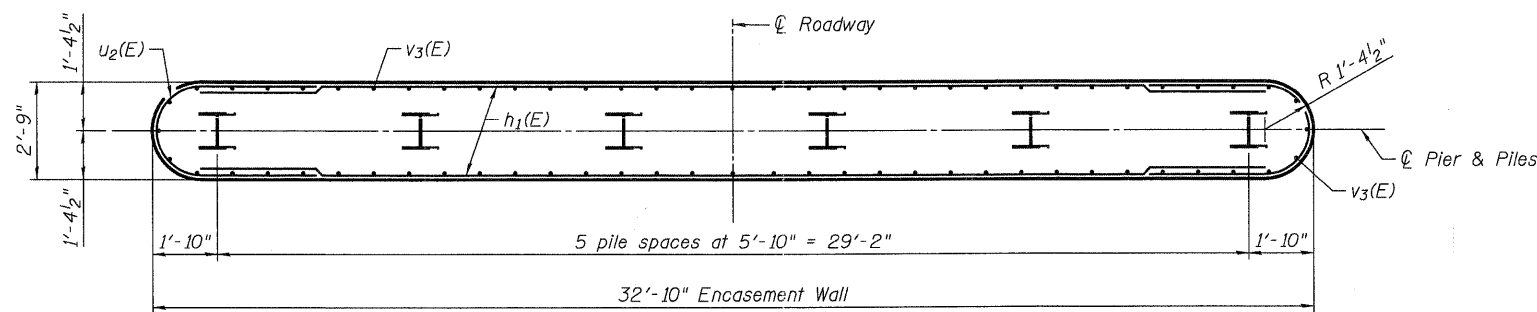
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	36	#5	16'-8"	—
p(E)	8	#7	33'-0"	—
p1(E)	20	#5	18'-2"	—
s1(E)	34	#5	12'-1"	□
u1(E)	8	#6	11'-5"	⊔
u2(E)	18	#5	11'-2"	U
v3(E)	68	#5	10'-1"	—
Cofferdam Excavation		Cu. Yd.	81	
Cofferdam (Type 1) (Location-1)		Each	1	
Concrete Structures		Cu. Yd.	39.1	
Reinforcement Bars, Epoxy Coated		Pound	3,170	
Furnishing Steel Piles, HP 12x53		Foot	325	
Driving Piles		Foot	325	
Test Pile Steel HP 12x53		Each	1	
Pile Shoes		Each	6	

Bars indicated thus 10 x 2-#5 indicates 10 lines of bars with 2 lengths per line.

PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: 419 kips
 Factored Resistance Available: 209 kips
 Est. Length: 65'
 No. Production Piles: 5
 No. Test Piles: 1



SECTION A-A

FILE NAME = PACBDEL WEST Projects\2009\09-0873_HospitaIIT\Structural\Drawings\PIers\045188-6364-01-1-Pier.edg

WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

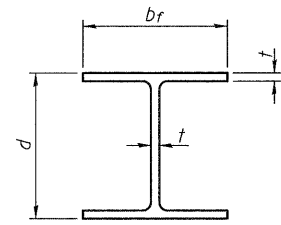
USER NAME = nparis	DESIGNED - DLS	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 12/16/2011	DRAWN - DLS	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER
STRUCTURE NO. 045-3180

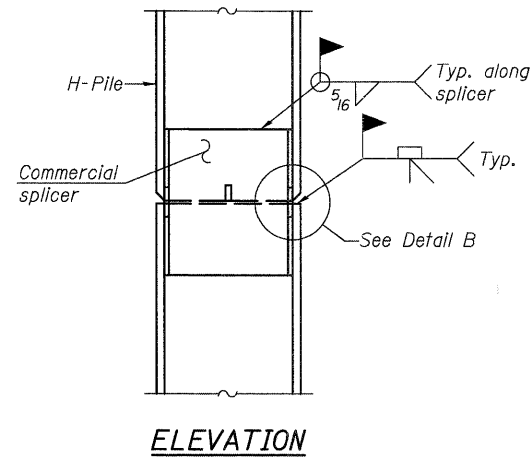
SHEET NO. 14 OF 17 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	48
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

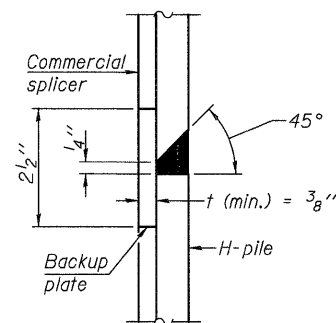


STEEL PILE TABLE

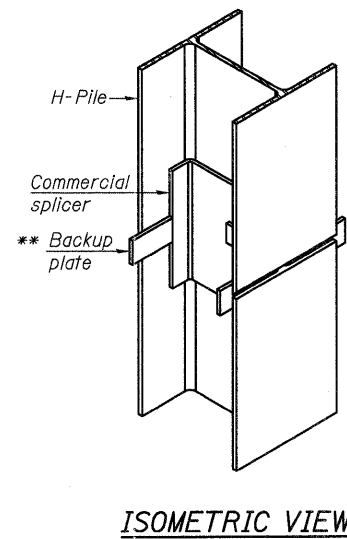
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 5/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 4"	1 1/16"	24"
x74	12 1/8"	12 4"	5/8"	24"
x63	12"	12 3/8"	1/2"	24"
x53	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

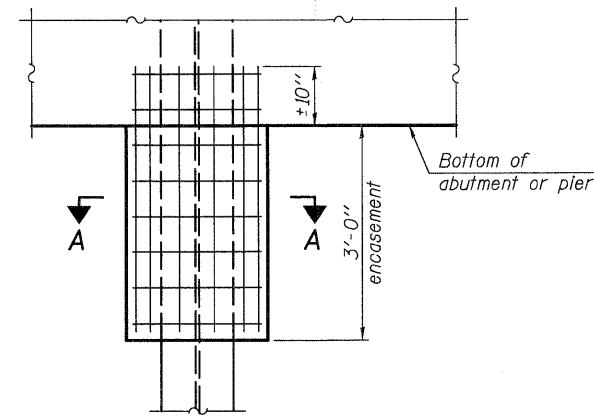


DETAIL "B"

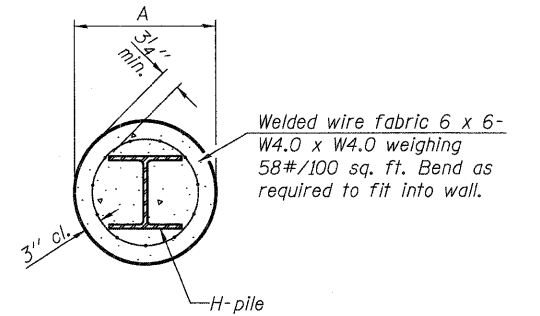


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



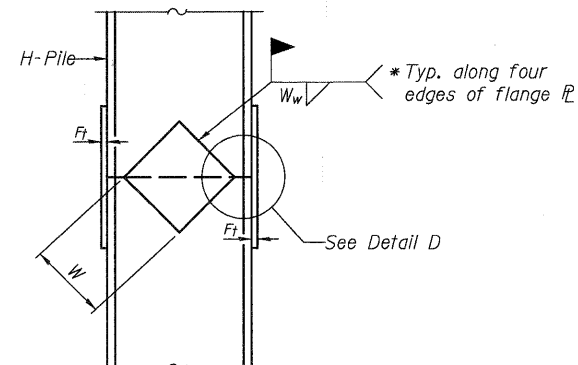
ELEVATION



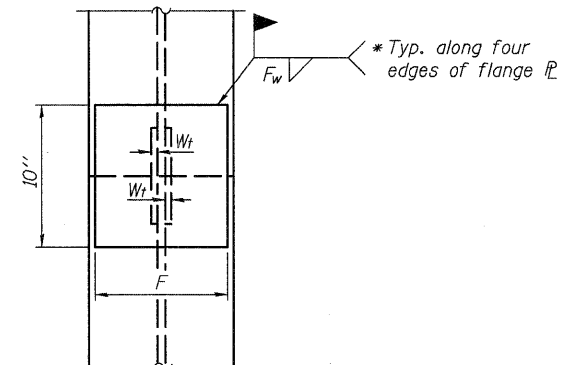
SECTION A-A

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

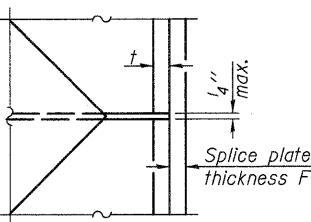
PILE ENCASEMENT



ELEVATION



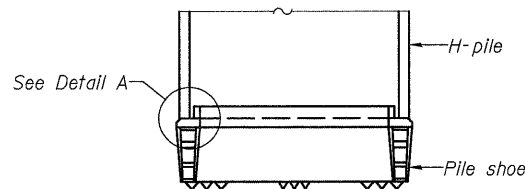
END VIEW



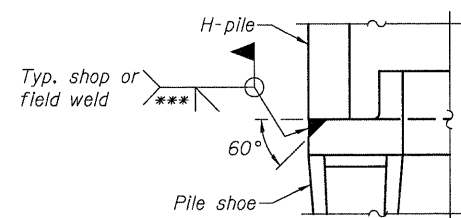
DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 3/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 3/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 3/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 3/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 3/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 3/8"	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"

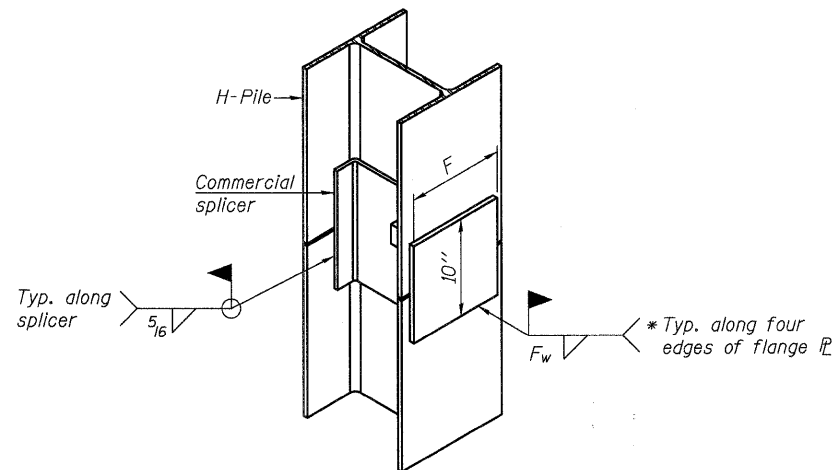


ELEVATION



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.).

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

F-HP 7-1-10

FILE NAME = P:\CIBBEL WEST - Projects\2009\04-08\073 - Hopsa\PIIT\Structural\04\05\108-6364-015-HP-1.dwg



USER NAME = nporris
DESIGNED - DLS
CHECKED - AEU
DRAWN - DLS
PLOT DATE = 12/16/2011

DESIGNED - DLS
CHECKED - AEU
REVISÉD -
REVISÉD -
REVISÉD -
REVISÉD -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HP PILE DETAILS
STRUCTURE NO. 045-3180**

SHEET NO. 15 OF 17 SHEETS

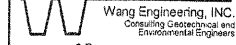
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

FILE NAME = P:\CBBEL WEST Projects\22891\GP-0073 Hopps\PHS\Structure\1\Drawn\445168-63644-017-SoilBoring_02.dgn

 Wang Engineering, Inc. Consulting Geotechnical and Environmental Engineers wangeng3@wangeng.com 1 Four Seasons Court Lombard, IL 601478 Telephone: 630 953-9928 Fax: 630 953-9938	BORING LOG SB-2		Page 1 of 2
	WEI Job No.: 585-04-01		Datum: NGVD
	Client: Robert H. Anderson & Associates, Inc.		Elevation: 773.09 ft
	Project: Hopps Road over Otter Creek		North: 1940954.86 ft
	Location: Illinois, Kane County, T40N, R8E, Section 32 NW1/4		East: 977909.26 ft
		Station: 92+80.00	Offset: 26.368 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
787.6	Stiff, dark brown SILTY CLAY LOAM	1	1	P	1.50	36		787.6		11	1	P	1.50	36	
787.6		2	2	P	1.25	38		787.6		12	2	P	1.25	38	
787.6	Medium dense, gray SILT	3	3	P				741.6	Medium dense, gray fine SAND	13	3	P			
787.6		4	4	P				787.6		14	4	P			
787.6		5	5	P				787.6		15	5	P			
787.6	Medium dense, gray GRAVELLY SAND	6	6	P				787.6	Medium dense, dark brown SILT, with PEAT	16	6	P			
787.6		7	7	P				787.6		17	7	P			
787.6		8	8	P				787.6		18	8	P			
787.6		9	9	P				787.6		19	9	P			
787.6		10	10	P				787.6		20	10	P			
787.6		11	11	P				787.6		21	11	P			
787.6		12	12	P				787.6		22	12	P			
787.6		13	13	P				787.6		23	13	P			
787.6		14	14	P				787.6		24	14	P			
787.6		15	15	P				787.6		25	15	P			
787.6		16	16	P				787.6		26	16	P			
787.6		17	17	P				787.6		27	17	P			
787.6		18	18	P				787.6		28	18	P			
787.6		19	19	P				787.6		29	19	P			
787.6		20	20	P				787.6		30	20	P			
787.6		21	21	P				787.6		31	21	P			
787.6		22	22	P				787.6		32	22	P			
787.6		23	23	P				787.6		33	23	P			
787.6		24	24	P				787.6		34	24	P			
787.6		25	25	P				787.6		35	25	P			

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-17-2007	Complete Drilling	01-18-2007
Drilling Contractor	Precon Drilling, Inc.	Drill Rig	ATV CME-75
Driller	S&J	Logger	W.W.
Checked by	E.D.	Time After Drilling	NA
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

 Wang Engineering, Inc. Consulting Geotechnical and Environmental Engineers wangeng3@wangeng.com 1 Four Seasons Court Lombard, IL 601478 Telephone: 630 953-9928 Fax: 630 953-9938	BORING LOG SB-2		Page 2 of 2
	WEI Job No.: 585-04-01		Datum: NGVD
	Client: Robert H. Anderson & Associates, Inc.		Elevation: 773.09 ft
	Project: Hopps Road over Otter Creek		North: 1940954.86 ft
	Location: Illinois, Kane County, T40N, R8E, Section 32 NW1/4		East: 977909.26 ft
		Station: 92+80.00	Offset: 26.368 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
787.6		17	17	P	2.4	10		787.6		17	17	P	2.4	10	
787.6		18	18	P				787.6		18	18	P			
787.6		19	19	P				787.6		19	19	P			
787.6		20	20	P				787.6		20	20	P			
787.6		21	21	P				787.6		21	21	P			
787.6		22	22	P				787.6		22	22	P			
787.6		23	23	P				787.6		23	23	P			
787.6		24	24	P				787.6		24	24	P			
787.6		25	25	P				787.6		25	25	P			
787.6		26	26	P				787.6		26	26	P			
787.6		27	27	P				787.6		27	27	P			
787.6		28	28	P				787.6		28	28	P			
787.6		29	29	P				787.6		29	29	P			
787.6		30	30	P				787.6		30	30	P			
787.6		31	31	P				787.6		31	31	P			
787.6		32	32	P				787.6		32	32	P			
787.6		33	33	P				787.6		33	33	P			
787.6		34	34	P				787.6		34	34	P			
787.6		35	35	P				787.6		35	35	P			
787.6		36	36	P				787.6		36	36	P			
787.6		37	37	P				787.6		37	37	P			
787.6		38	38	P				787.6		38	38	P			
787.6		39	39	P				787.6		39	39	P			
787.6		40	40	P				787.6		40	40	P			
787.6		41	41	P				787.6		41	41	P			
787.6		42	42	P				787.6		42	42	P			
787.6		43	43	P				787.6		43	43	P			
787.6		44	44	P				787.6		44	44	P			
787.6		45	45	P				787.6		45	45	P			
787.6		46	46	P				787.6		46	46	P			
787.6		47	47	P				787.6		47	47	P			
787.6		48	48	P				787.6		48	48	P			
787.6		49	49	P				787.6		49	49	P			
787.6		50	50	P				787.6		50	50	P			

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-17-2007	Complete Drilling	01-18-2007
Drilling Contractor	Precon Drilling, Inc.	Drill Rig	ATV CME-75
Driller	S&J	Logger	W.W.
Checked by	E.D.	Time After Drilling	NA
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



USER NAME = nparis	DESIGNED - DLS	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 12/16/2011	DRAWN - DLS	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOG II
STRUCTURE NO. 045-3180**

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	51
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1 Four Seasons Court
Lombard, IL 601478
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RB-1
WEI Job No.: 585-04-01
Datum: NGVD
Elevation: 780.31 ft
North: 1940984.02 ft
East: 977736.34 ft
Station: 90+98.99
Offset: 6.089 LT

Client: Robert H. Anderson & Associates, Inc.
Project: Hopps Road over Otter Creek
Location: Illinois, Kane County, T40N, R8E, Section 32 NW1/4

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)
779.6	8-inch thick ASPHALT --PAVEMENT-- Stiff, gray SILTY CLAY LOAM, trace gravel	1	4	0.25									
	--FILL--	2	4	1.75	13								
778.3	Stiff, gray CLAY	3	4	1.50	19								
774.3	Medium dense, brown SAND, with gravel	4	3	NP									
772.8	Medium dense, brown SANDY GRAVEL	5	2	NP	23								
771.1	Medium dense, brown and gray SILT	6	5	NP	20								
769.3	Medium dense, gray very fine SAND, with silt	7	2	NP									
764.3	Medium dense, gray SILT	8	4	NP									
763.3	Stiff, gray SILTY CLAY	9	5	1.50	13								
762.3	Loose, gray SANDY GRAVEL	10	2	NP									
759.3		20	5	NP									
Boring terminated at 20.00 ft													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-17-2007	Complete Drilling	01-17-2007	While Drilling	9.25 ft		
Drilling Contractor	Precon Drilling, Inc.	Drill Rig	ATV CME-75	At Completion of Drilling	9.25 ft		
Driller	S.S.J.	Logger	B.C.	Time After Drilling	NA		
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion			Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

Wang Engineering, INC.
Consulting Geotechnical and Environmental Engineers
wangeng3@wangeng.com
1 Four Seasons Court
Lombard, IL 601478
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RB-2
WEI Job No.: 585-04-01
Datum: NGVD
Elevation: 778.67 ft
North: 1940990.12 ft
East: 978036.59 ft
Station: 93+99.301
Offset: 6.445 LT

Client: Robert H. Anderson & Associates, Inc.
Project: Hopps Road over Otter Creek
Location: Illinois, Kane County, T40N, R8E, Section 32 NW1/4

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)
778.6	6.5-inch thick ASPHALT --PAVEMENT-- Very stiff, gray SILTY CLAY, with gravel	1	5	3.00	10								
	--FILL--	2	5	1.75	6								
776.7	Medium dense, gray GRAVELLY SAND	3	5	1.25	19								
773.7	Stiff, dark gray SILTY CLAY LOAM	4	2	1.50	32								
770.7	Very soft to stiff, dark gray SILTY CLAY	5	1	0.25	29								
768.2	Loose to medium dense, gray GRAVELLY SAND	6	2	NP	5								
765.2	Loose to medium dense, gray SILT	7	12	NP									
		8	4	NP									
		9	2	NP									
		10	2	NP									
Boring terminated at 21.00 ft													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-17-2007	Complete Drilling	01-17-2007	While Drilling	10.50 ft		
Drilling Contractor	Precon Drilling, Inc.	Drill Rig	TMR CME-75	At Completion of Drilling	14.00 ft		
Driller	J&N	Logger	W.W.	Time After Drilling	NA		
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion			Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

FILE NAME = P:\CIBEL - WEST - Projects\2009\09-2873 - Hopps Rd\11\Drawings\BORING\1.dwg



USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 12/16/2011	CHECKED -	REVISED -
	DATE = 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY BORING LOGS

SCALE: SHEET NO. 52 OF 80 SHEETS STA. TO STA.

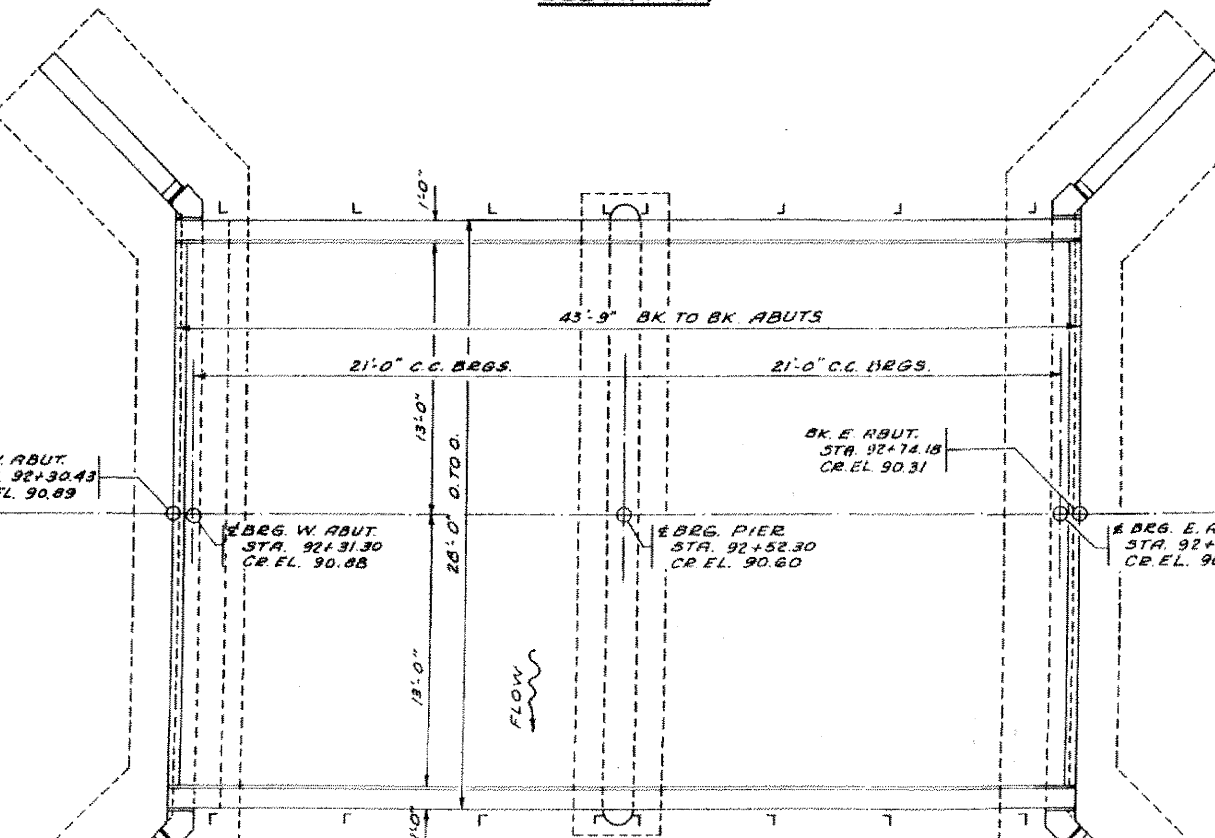
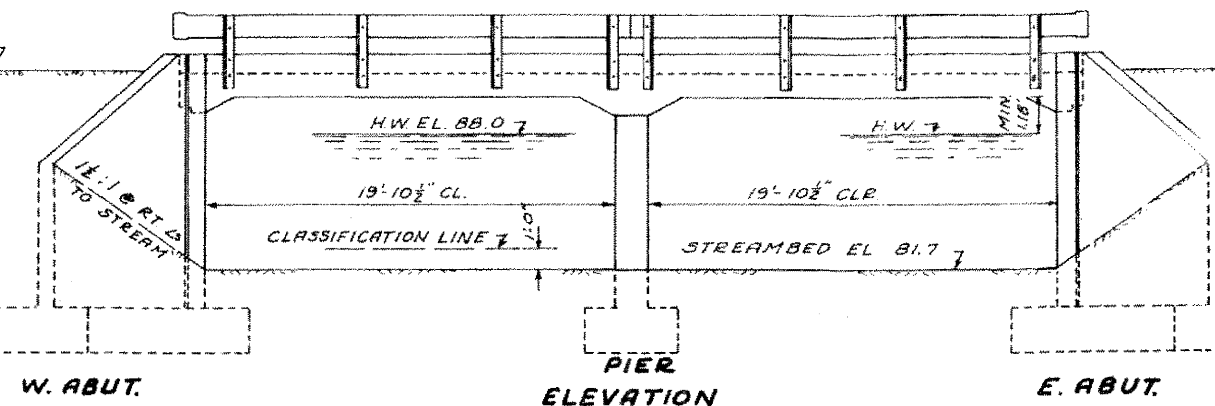
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	52
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

B.M. 41- BR. SPK. P.P. LT. STA. 93+19- ELEV. 86.22

EXISTING STRUCTURE- CONCRETE ARCH
SPAN- 30 FT. ROADWAY- 18 FT.
TO BE REMOVED BY CONTRACTOR

SALVAGE- NONE

CROWN EL. 90.89
GRADIENT- 1.333 %



WATERWAY INFORMATION
DRAINAGE AREA 8650 AC.
CHARACTER ROLLING, CULTIVATED, LOAM
PRESENT OPENING 160 SQ.FT.
REQUIRED OPENING 250 SQ.FT.
PROPOSED OPENING 250 SQ.FT.

GROUND SURFACE

90	GROUND SURFACE
85	Brown CLAY (Fill)
80	Stiff Dk. Brown SILTY CLAY LOAM
75	Med. Dense - Fine Grained Sandy GRAVEL
70	Med. Dense - Med to Coarse Grained Gray SANDY LOAM
65	Stiff Gray SILTY LOAM with Sand Seams
60	Med. Dense - Fine to Coarse Grained Pebbly SANDY LOAM
55	Med. Dense - Fine to Medium Grained Sandy GRAVEL
50	Med. Dense - Fine to Coarse Grained Gray SAND
45	Med. Dense - Fine Grained Sandy GRAVEL
40	Med. Dense - Fine Grained Gray SANDY LOAM
35	Med. Dense - Fine Grained Gray SAND - Silt Seams
30	Dense - Fine Grained Gray SAND
25	Very Stiff Pebbly Gray CLAY LOAM Till
20	Very Dense Gray SAND
15	Seam of Dark Brown PEAT
10	Very Stiff Pebbly Brown CLAY LOAM
5	Stiff Gray CLAY LOAM
0	(Limestone Fragments)

GROUND SURFACE

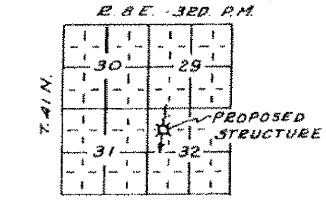
90	GROUND SURFACE
85	Pebbly Brown CLAY (Fill)
80	Stiff Pebbly Brown SANDY CLAY LOAM (Fibers)
75	Stiff Gray SILT
70	Stiff Gray SILT
65	Loose - Fine Grained Gray SAND
60	Med. Dense - Fine Grained Gray SAND
55	Dense - Fine to Med. Grained Sandy GRAVEL
50	Med. Dense - Fine to Med. Grained GRAVEL
45	Med. Dense - Fine Grained Gray SANDY LOAM
40	Very Dense - Med. Coarse GRAVEL
35	Brown PEAT (Fibers)
30	Very Stiff Pebbly Brown CLAY LOAM
25	Stiff Gray CLAY LOAM

BORING DATA

NOTE: BORING DATA ARE SHOWN ON THE PLANS AS A GUIDE ONLY TO BIDDERS IN ESTIMATING SOIL CONDITIONS WHICH MAY BE ENCOUNTERED IN THE WORK.
N- BLOWS PER FOOT OF PENETRATION OF SAMPLING SPOON - HAMMER
WTS 350 LBS. DROP - 12 INCHES.
qu - UNCONFINED COMPRESSIVE STRESS IN TONS PER SQUARE FOOT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUBST
CLASS X CONCRETE	CUYDS	516	1091
REINFORCEMENT BARS	LBS.	10,140	7,280
METAL PLATE BRIDGE RAIL	LIN. FT.	81	
FURN. UNTR. PILES - UP TO 30 FT.	LIN. FT.		1050
DRIVING TIMBER PILES	LIN. FT.		1050
TEST PILES - UNTR. TIMBER	LIN. FT.		3
CLASS A EXCAV. FOR STRUCTURES	CUYDS		73
CLASS B EXCAV. FOR STRUCTURES	CUYDS.		226
NAME PLATES	EA.	1	
REMOVAL OF EXIST. STRUCTURES	EA.		



DESIGN STRESSES
S_c SUPERSTRUCTURE 1400 P.S.I.
S_c SUBSTRUCTURE 1000 P.S.I.
S_r REINFORCEMENT BARS 20,000 P.S.I.

H15- 312 LOADING

**BURTON BRIDGE
KANE COUNTY
ELGIN ROAD DISTRICT
SECTION 107 BTR
STATION 92+52.30**

APPROVED BY:
AUG. 19, 1963
[Signature]

PLANS PREPARED BY
**CORDES
CONSULTING ENGINEER.**
2415 CHARLES STREET
ROCKFORD, ILLINOIS

45-6-1-5080

FOR REFERENCE ONLY

<p>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</p>	USER NAME = nparris	DESIGNED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
		DATE - 12/19/11	REVISED -

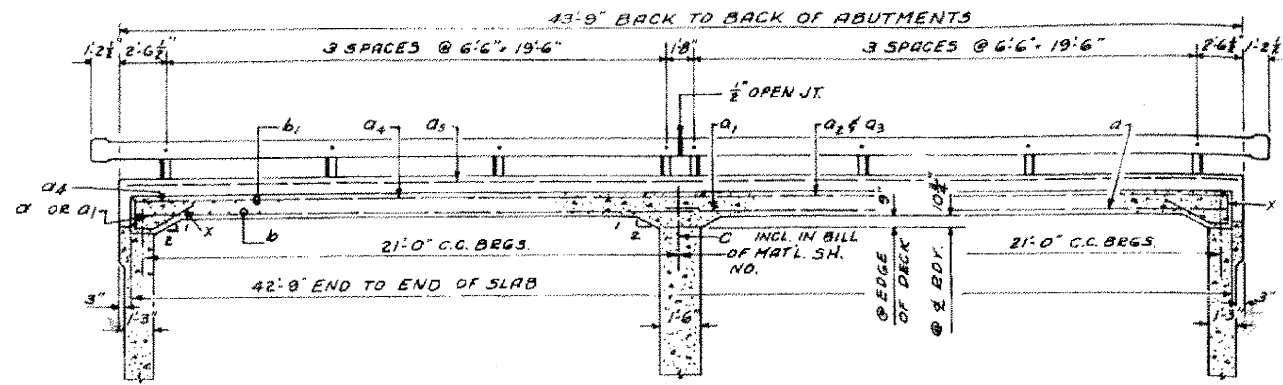
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**EXISTING STRUCTURE PLANS
FOR REFERENCE ONLY**

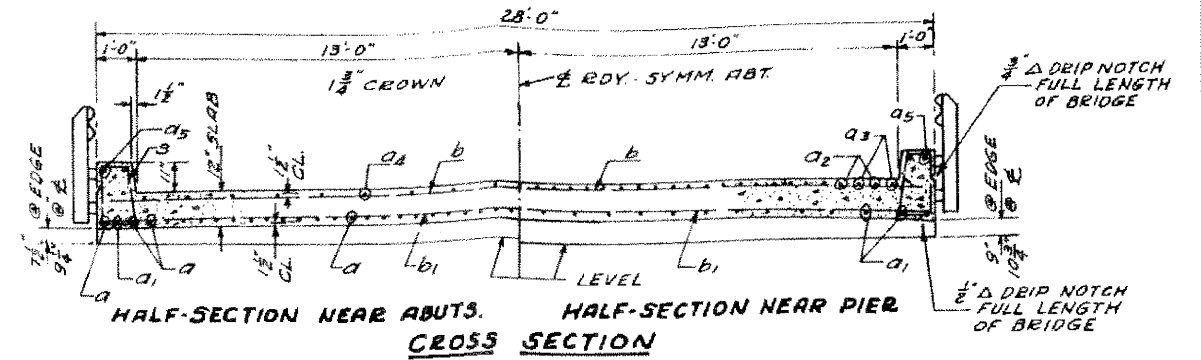
SCALE: SHEET NO. 53 OF 80 SHEETS STA. TO STA.

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 53
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	CONTRACT NO. 63644	

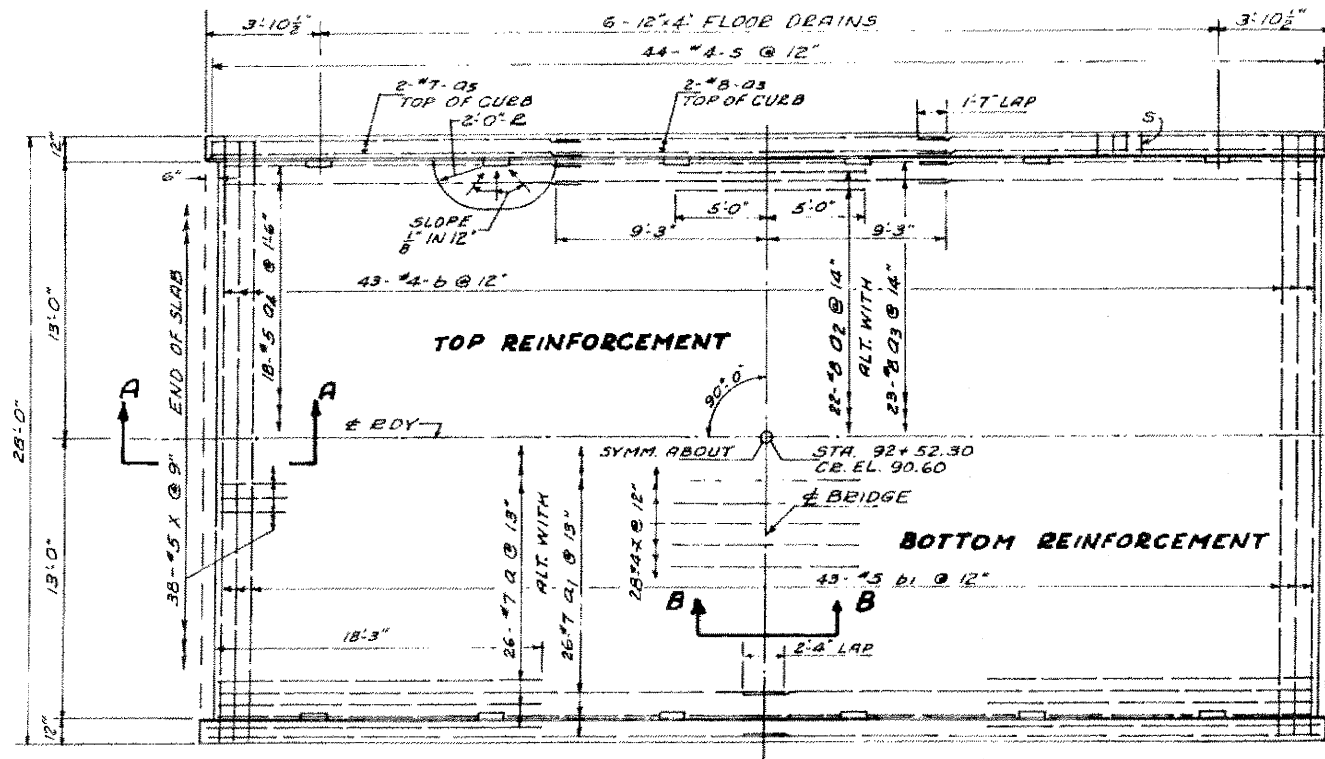
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LONGITUDINAL SECTION



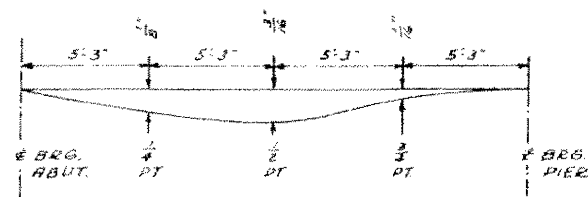
HALF-SECTION NEAR ABUTS. HALF-SECTION NEAR PIER
CROSS SECTION



TOP REINFORCEMENT

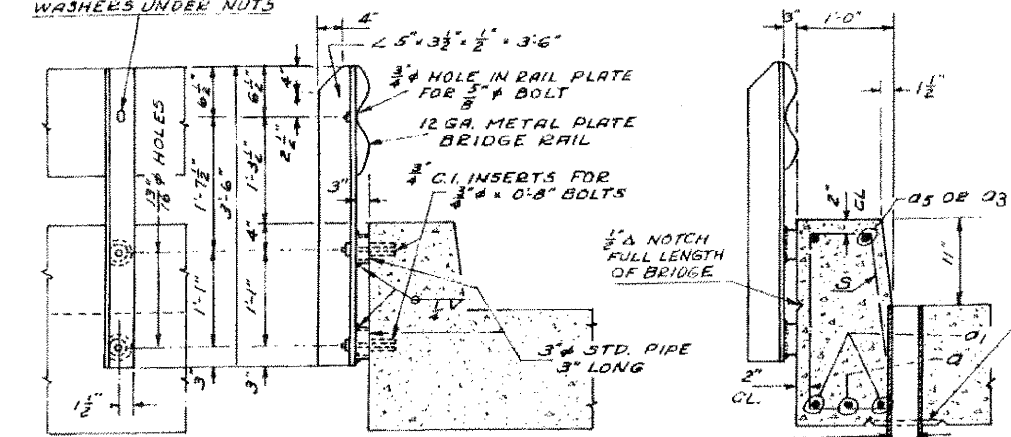
BOTTOM REINFORCEMENT

PLAN OF DECK

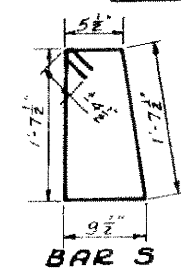


D.L. DEFLECTION DIAGRAM

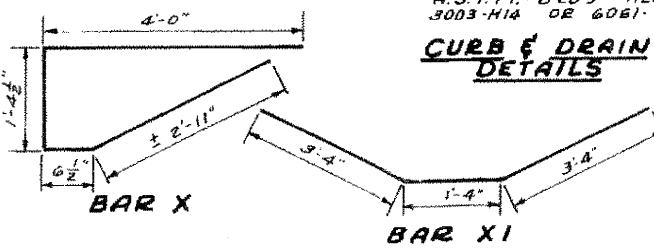
1/2 x 1/2 VERTICAL SLOTS IN RAIL POSTS - BOLTS TO BE FITTED WITH WASHERS UNDER NUTS



HAND RAIL DETAILS



REINFORCEMENT BAR DETAILS

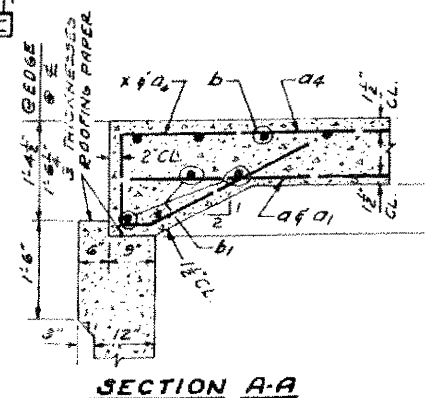


CURB & DRAIN DETAILS

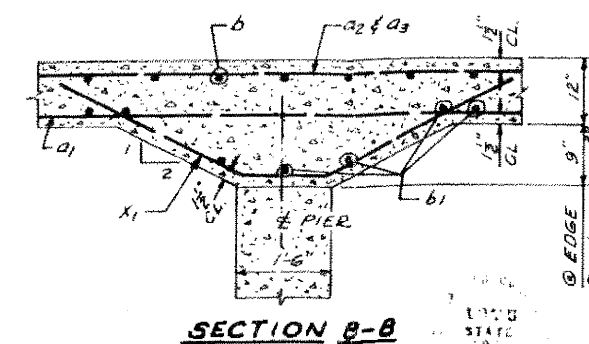
BILL OF MAT'L. SUPERST.

BAR NO.	SIZE	LENGTH	SHAPE
a	#7	18'-0"	—
a1	#7	22'-5"	—
a2	#8	10'-0"	—
a3	#8	10'-6"	—
a4	#5	13'-7"	—
a5	#7	14'-1"	—
b	#4	27'-0"	—
b1	#5	27'-8"	—
S	#4	5'-3"	—
X	#5	8'-10"	—
X1	#4	8'-0"	—

CLASS X CONCRETE	CYDS.	51.6
REINFORCEMENT BARS	LBS.	10,140
METAL PLATE BRIDGE RAIL	EA.	81
NAME PLATES	EA.	1



SECTION A-A



SECTION B-B

BURTON BRIDGE
KANE COUNTY
ELGIN ROAD DISTRICT
SECTION 107 B.T.R.
STATION 92+52.30

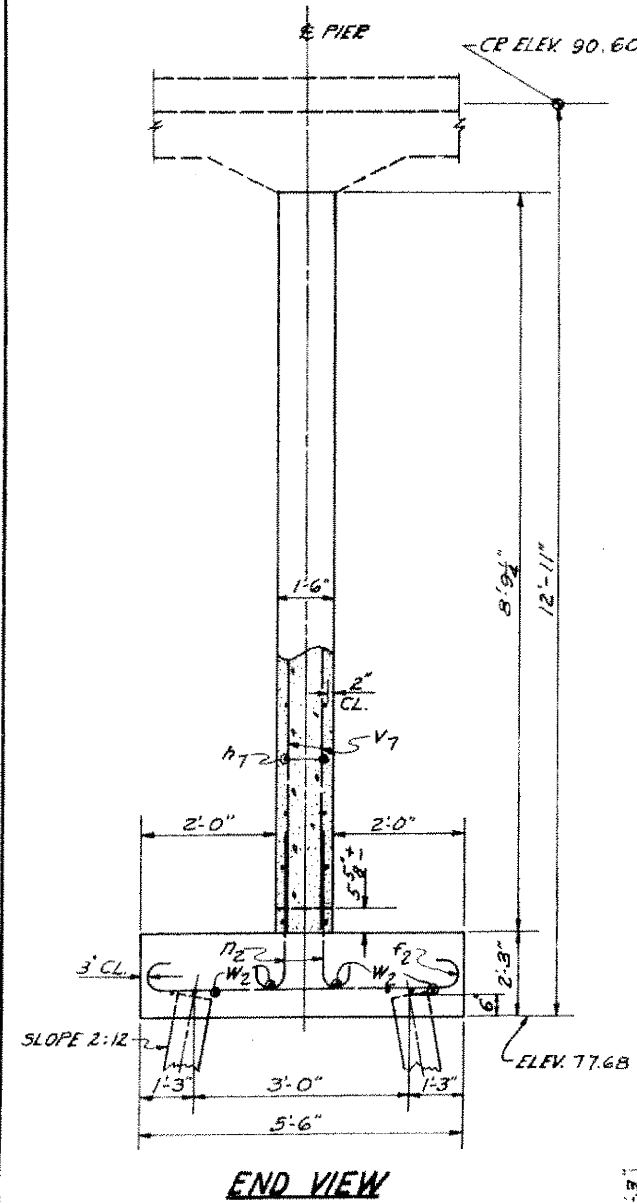
FOR REFERENCE ONLY

45-6-1-5080

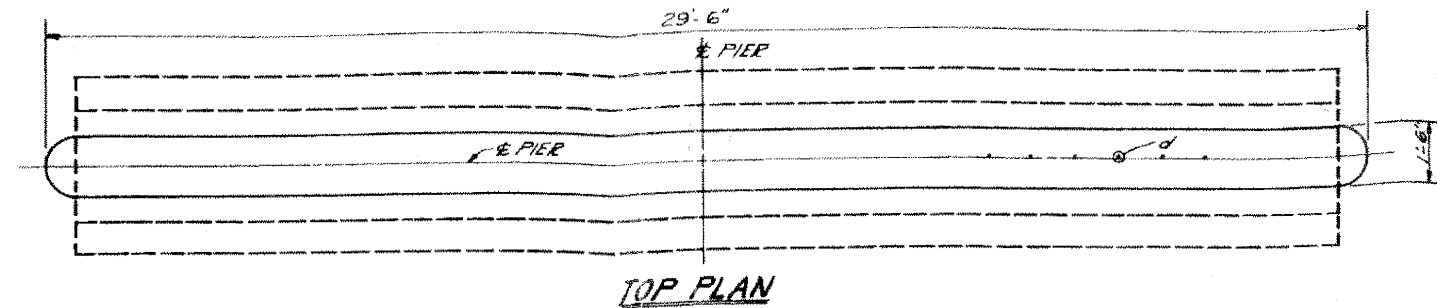
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WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparis PLOT SCALE = PLOT DATE = 12/16/2011	DESIGNED - DRAWN - CHECKED - RPD DATE - 12/19/11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLANS FOR REFERENCE ONLY	SCALE: SHEET NO. 54 OF 80 SHEETS STA. TO STA.	T.R. RTE. 2442 SECTION 04-08107-00-BR COUNTY KANE TOTAL SHEETS 80 SHEET NO. 54 CONTRACT NO. 63644
	BURTON BRIDGE KANE COUNTY ELGIN ROAD DISTRICT SECTION 107 B.T.R. STATION 92+52.30		CLASS X CONCRETE CYDS. 51.6 REINFORCEMENT BARS LBS. 10,140 METAL PLATE BRIDGE RAIL EA. 81 NAME PLATES EA. 1		FEDERAL ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

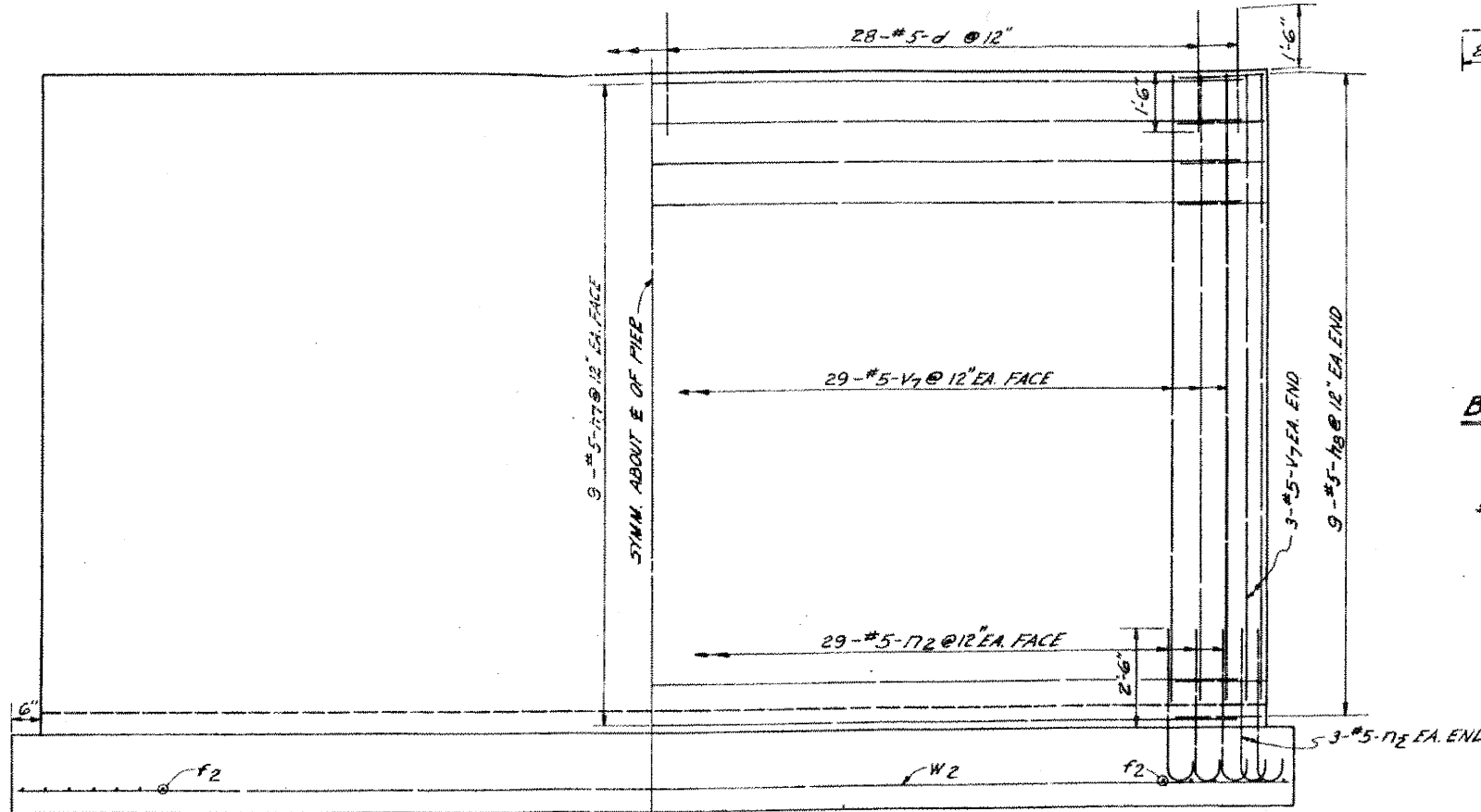
NOTE: THE DASH LINES SHOW THE CAP WHICH IS TO BE POURED MONOLITHICALLY WITH THE SLAB. FOR CAP DETAILS SEE BRIDGE SHEET NO.



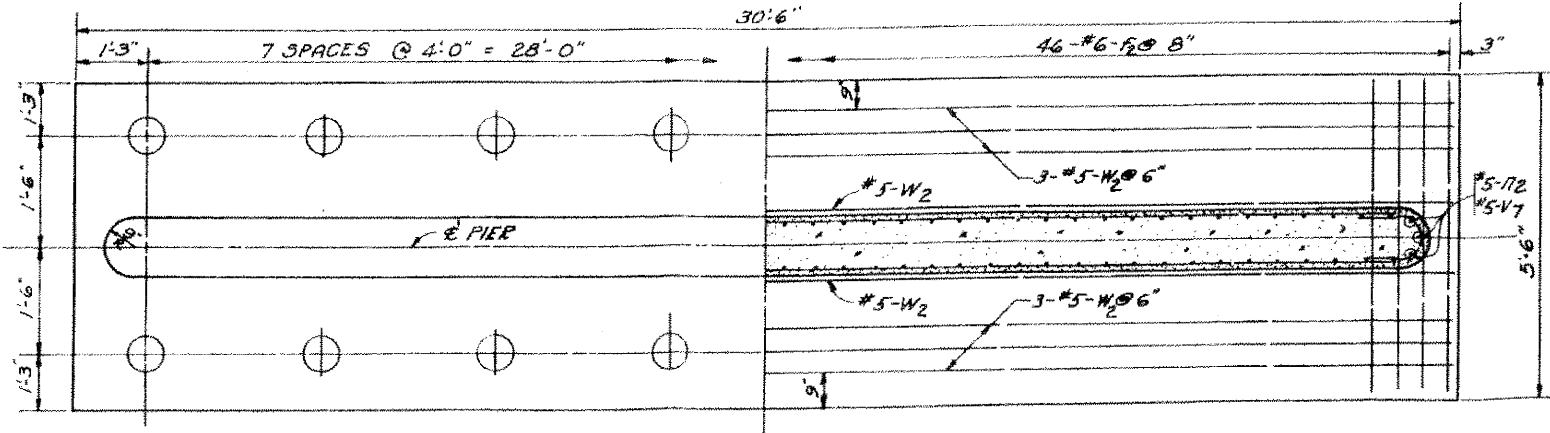
END VIEW



TOP PLAN

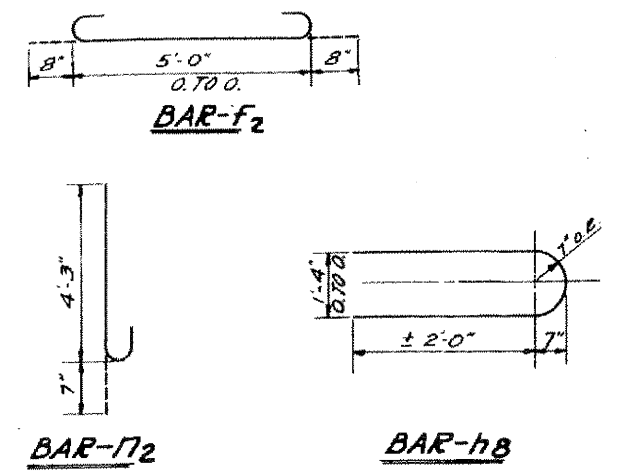


ELEVATION



FOOTING PLAN

NOT TO SCALE



BILL OF MATERIAL - 1 PIER

BAR	NO	SIZE	LENGTH	SHAPE
d	28	#5	3'-0"	
f2	46	#6	6'-4"	
h7	18	#5	28'-0"	
h8	18	#5	5'-10"	
W2	64	#5	4'-10"	
V7	64	#5	8'-2"	
W2	8	#5	30'-0"	
CLASS X CONCRETE			CU YDS	28.0
REINFORCEMENT BARS			LBS	2280
FURN. UNTR. PILES-UP TO 30'			LIN. FT.	240
DRIVING TIMBER PILES			LIN. FT.	240
TEST PILES			EACH	1
CLASS B EXCAV. FOR STRUCT.			CU YDS	49

FILE DATA 1 PIER

TYPE: UNTR. TIMBER
 MIN. CAPACITY: 14 TONS
 EST. LENGTH: 16 FT.
 NO. REQUIRED: 15 + 1 TEST PILE
 MIN. PENETRATION TO ELEV. 65.0



BURTON BRIDGE
 KANE COUNTY
 ELGIN ROAD DISTRICT
 SECTION 107 & TR.
 STATION 92+52.50

FOR REFERENCE ONLY

FILE NAME = P:\CIBBEL WEST Projects\2009\09-0073 Hoppe\PHIL\Civil\11\Drawn\Struct\WBK_05.dgn



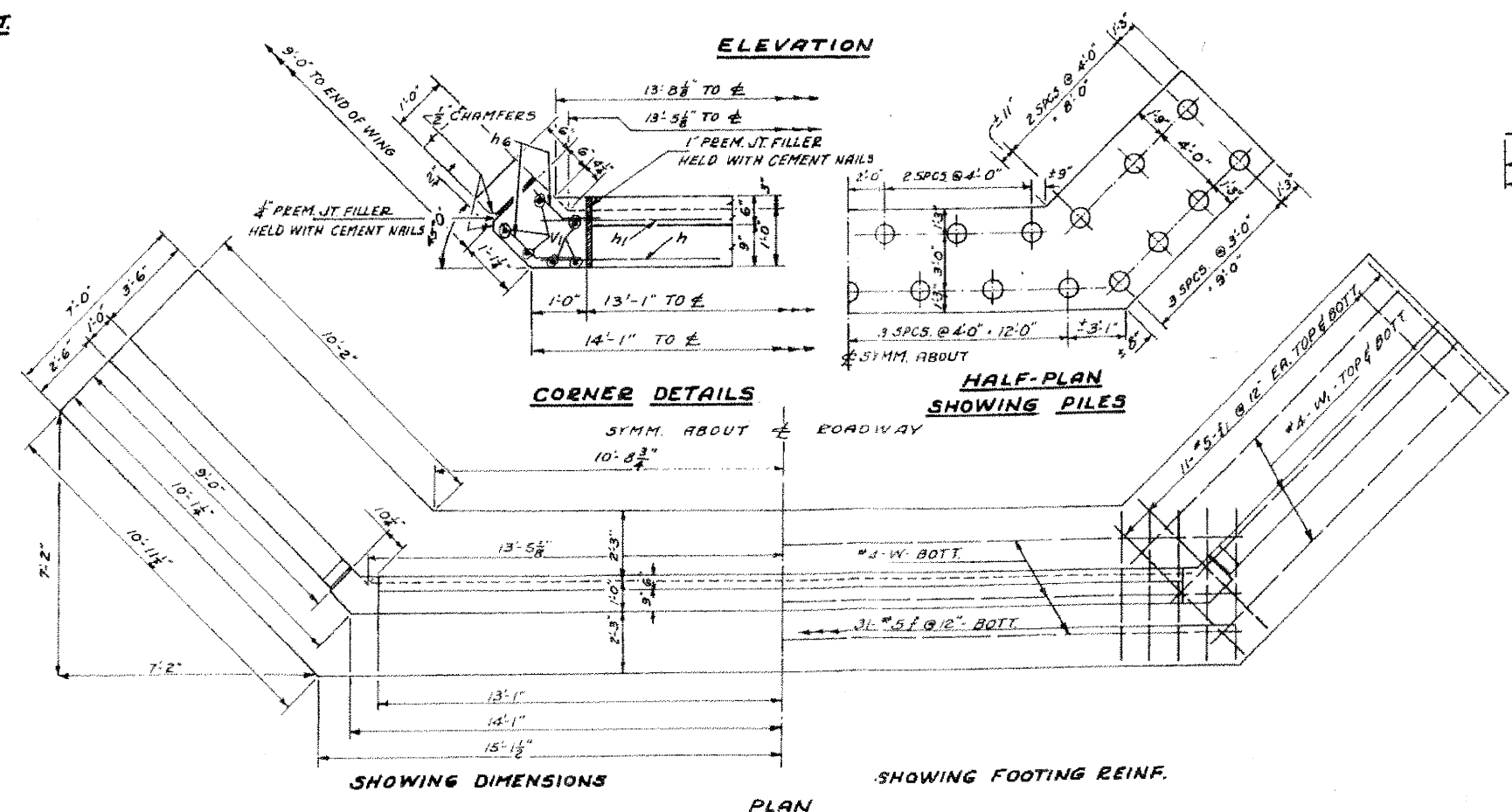
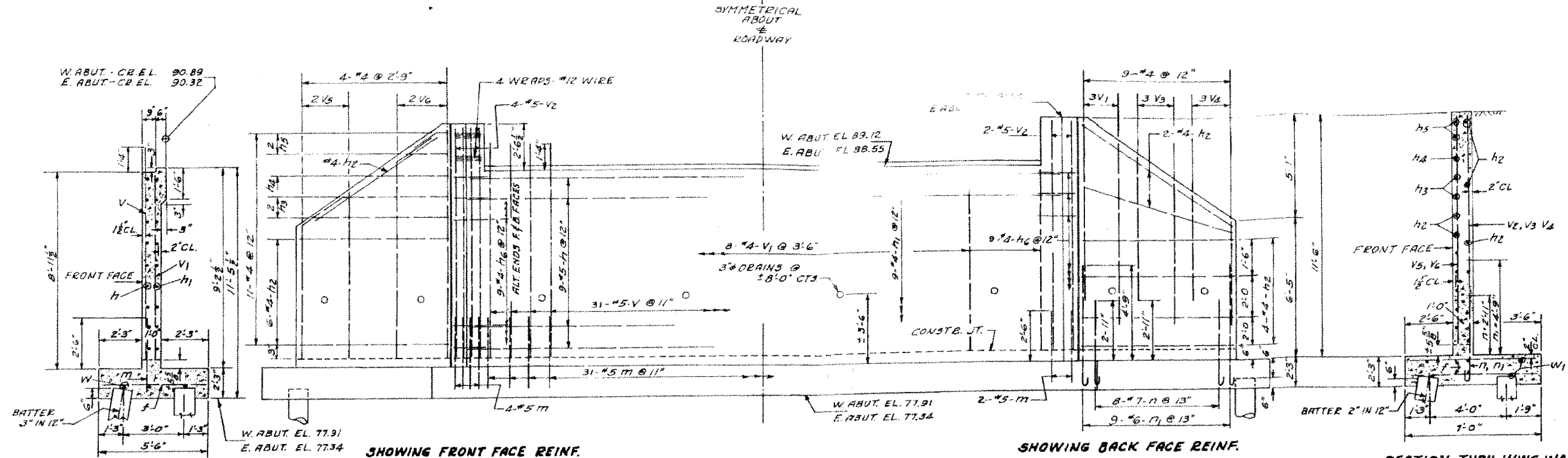
USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
 FOR REFERENCE ONLY
 SCALE: SHEET NO. 55 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	55
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

45-6-1-5080



PILE DATA
 TYPE - UNTREATED TIMBER
 EST. LENGTH - 15 FT
 MIN. CAP - 13 TONS
 NO. REQ'D - 26 + 1 TEST PILE
 EA. ABUT.
 MIN. PENETRATION TO EL. 65.0

SUBSTR. BILL OF MATERIAL 2 ABUTS.

BAR NO.	SIZE	LENGTH	SHAPE
h	#5	28'-0"	—
h1	#4	28'-0"	—
h2	#4	8'-9"	—
h3	#4	7'-8"	—
h4	#4	4'-6"	—
h5	#4	3'-0"	—
h6	#4	7'-9"	—
V	#5	9'-8"	—
V1	#4	8'-3"	—
V2	#5	10'-10"	—
V3	#4	6'-8"	—
V4	#4	4'-10"	—
V5	#4	7'-6"	—
V6	#4	10'-10"	—
m	#5	4'-6"	—
n	#7	5'-9"	—
n1	#6	7'-5"	—
W	#4	30'-0"	—
W1	#4	10'-9"	—
f	#5	5'-3"	—
f1	#5	6'-9"	—

CLASS X CONCRETE CUYOS. 81.1
 REINFORCEMENT BARS LBS. 5000
 FURNISH UNTR. PILES -
 UP TO 30 FT. LIN. FT. 810
 DRIVING TIMBER PILES LIN. FT. 810
 TEST PILES EA. 2
 CLASS "A" EX. FOR STRUCT. CUYOS 73
 CLASS "B" EX. FOR STRUCT. CUYOS 177



BURTON BRIDGE
 KANE COUNTY
 ELGIN ROAD DISTRICT
 SECTION 107 B.T.R.
 STATION 92+52.30

45-6-1-5080

FILE NAME = P:\CUBBEL\WEST Projects\32009\95-2073_Hospita\IT\Civil\Drawings\AS\ASBR_04.dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparis	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

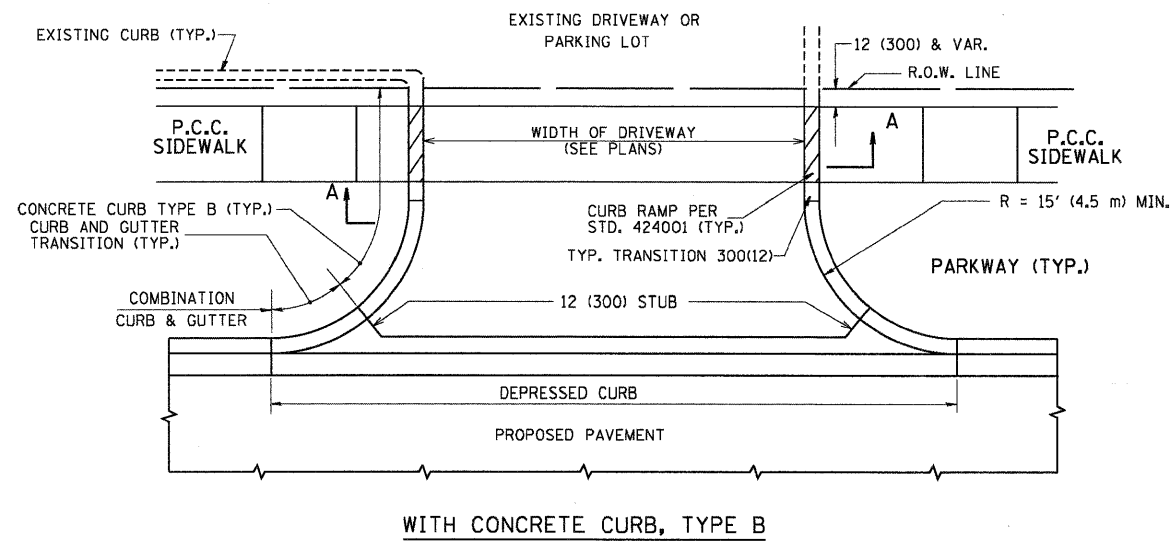
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS
 FOR REFERENCE ONLY

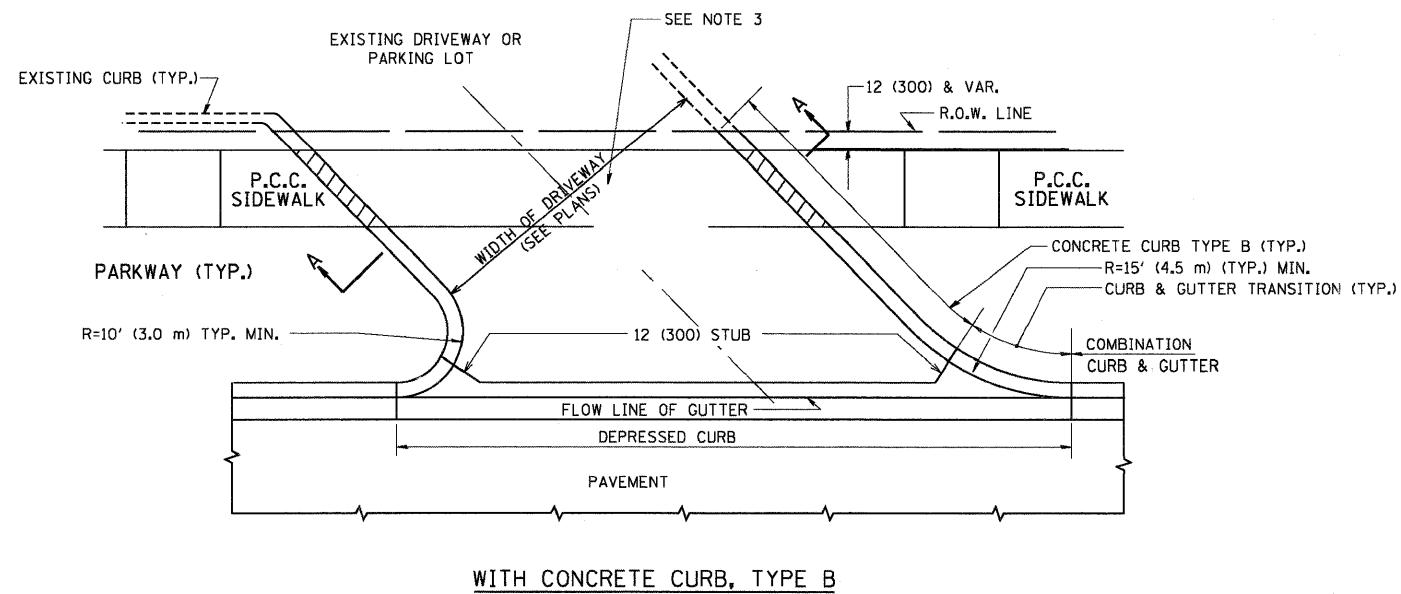
SCALE: SHEET NO. 56 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	56
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644	

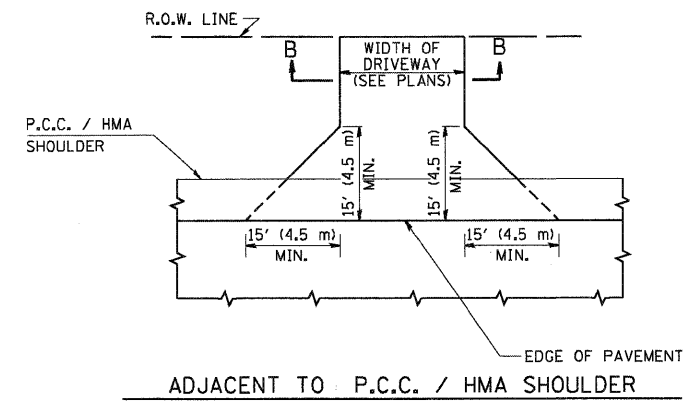
FOR REFERENCE ONLY



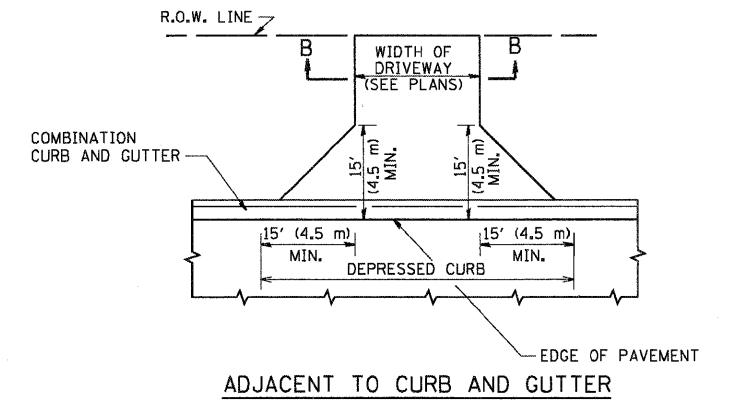
WITH CONCRETE CURB, TYPE B



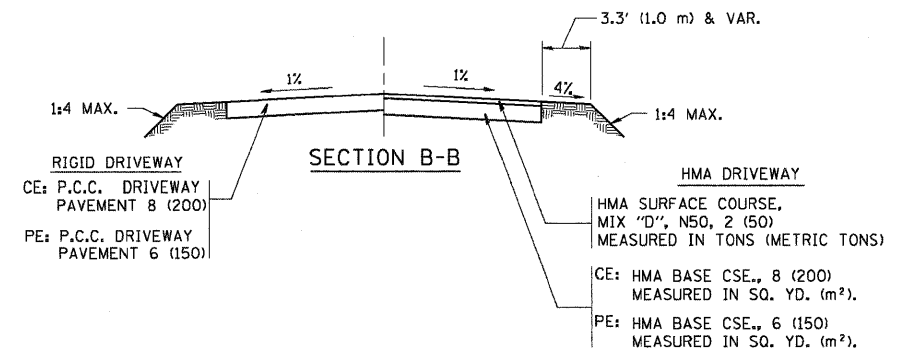
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE CSE., 8 (200) MEASURED IN SQ. YD. (m²).
 PE: HMA BASE CSE., 6 (150) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

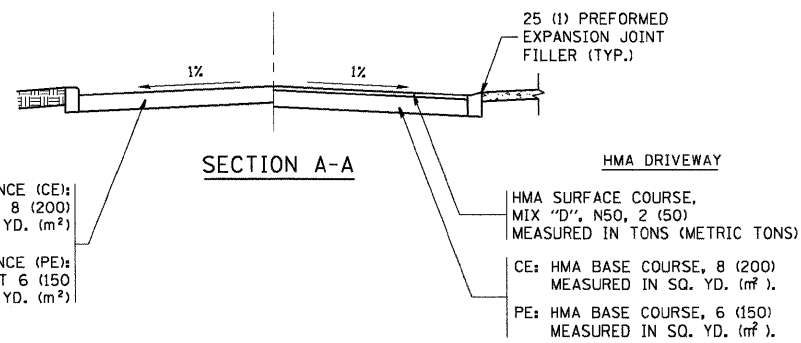
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE): P.C.C. DRIVEWAY PAVEMENT 8 (200) MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE): P.C.C. DRIVEWAY PAVEMENT 6 (150) MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200) MEASURED IN SQ. YD. (m²).
 PE: HMA BASE COURSE, 6 (150) MEASURED IN SQ. YD. (m²).

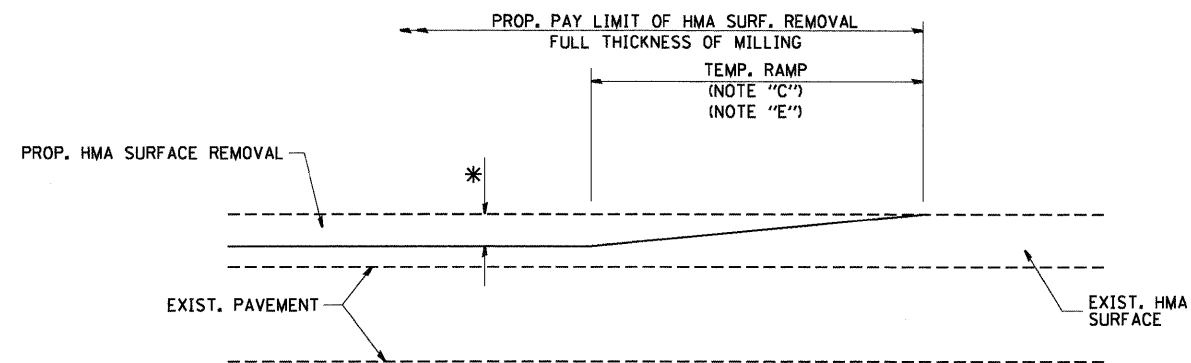
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ca\pwork\pwork\lshah\0102315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 12/16/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

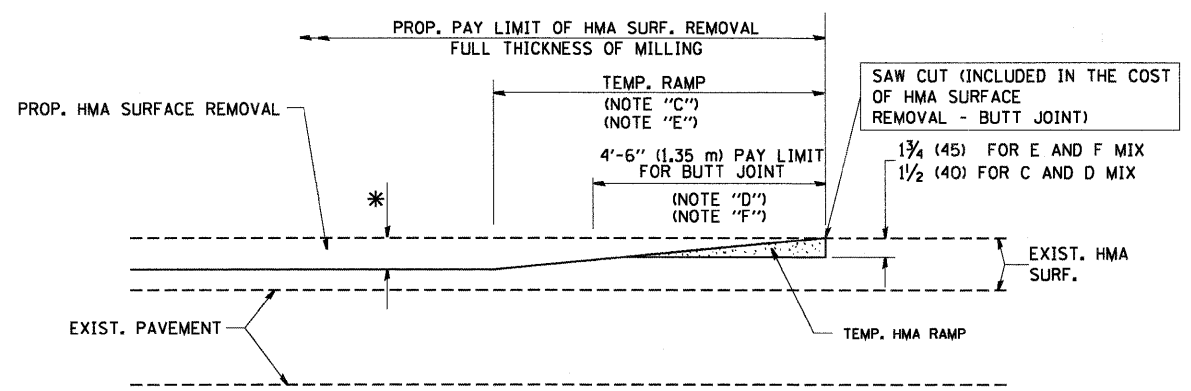
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 57 OF 80 SHEETS	STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
2442	04-08107-00-BR	KANE	80	57
BD0156-07 (BD-01)			CONTRACT NO.63644	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



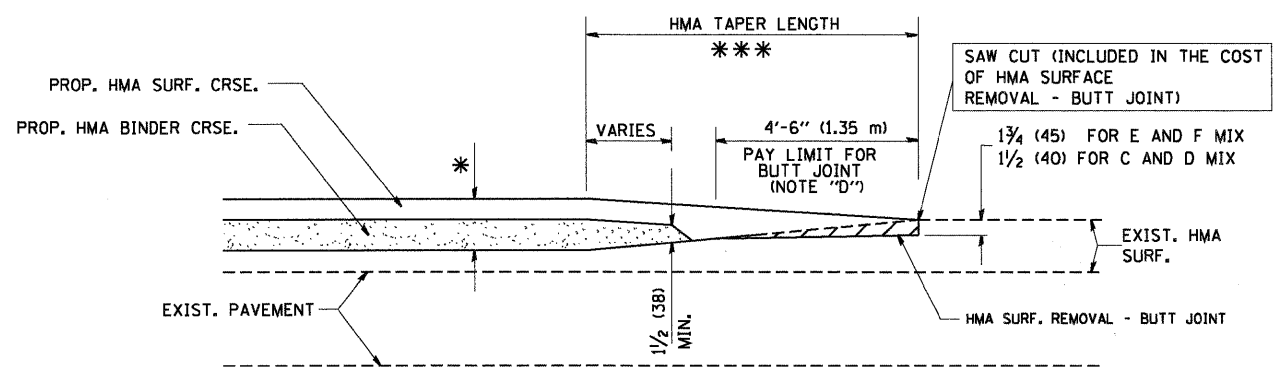
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

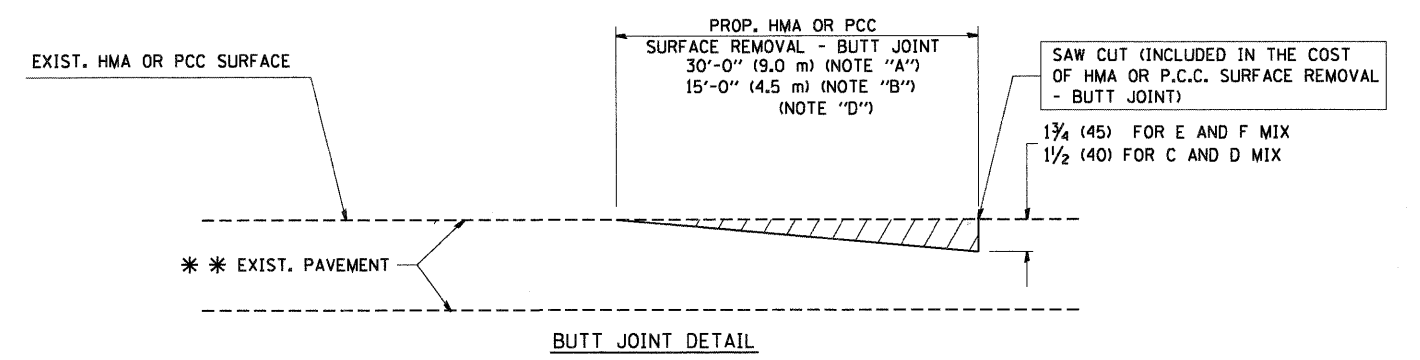


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

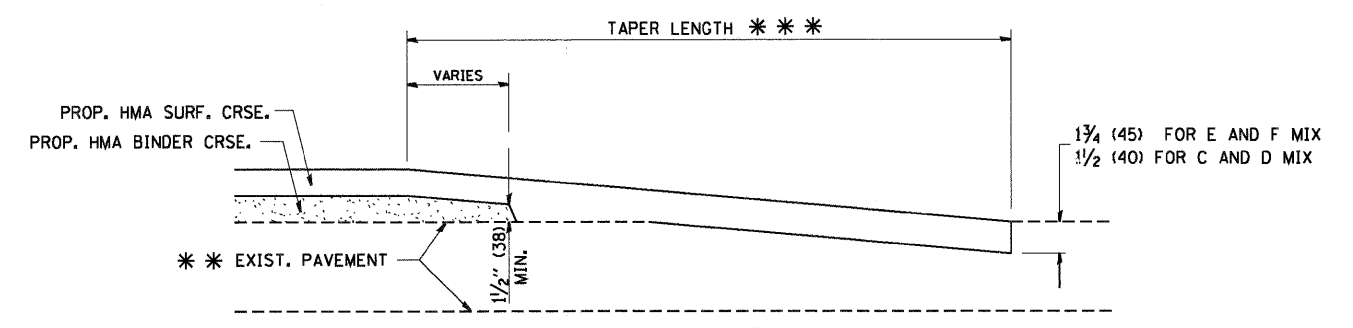
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

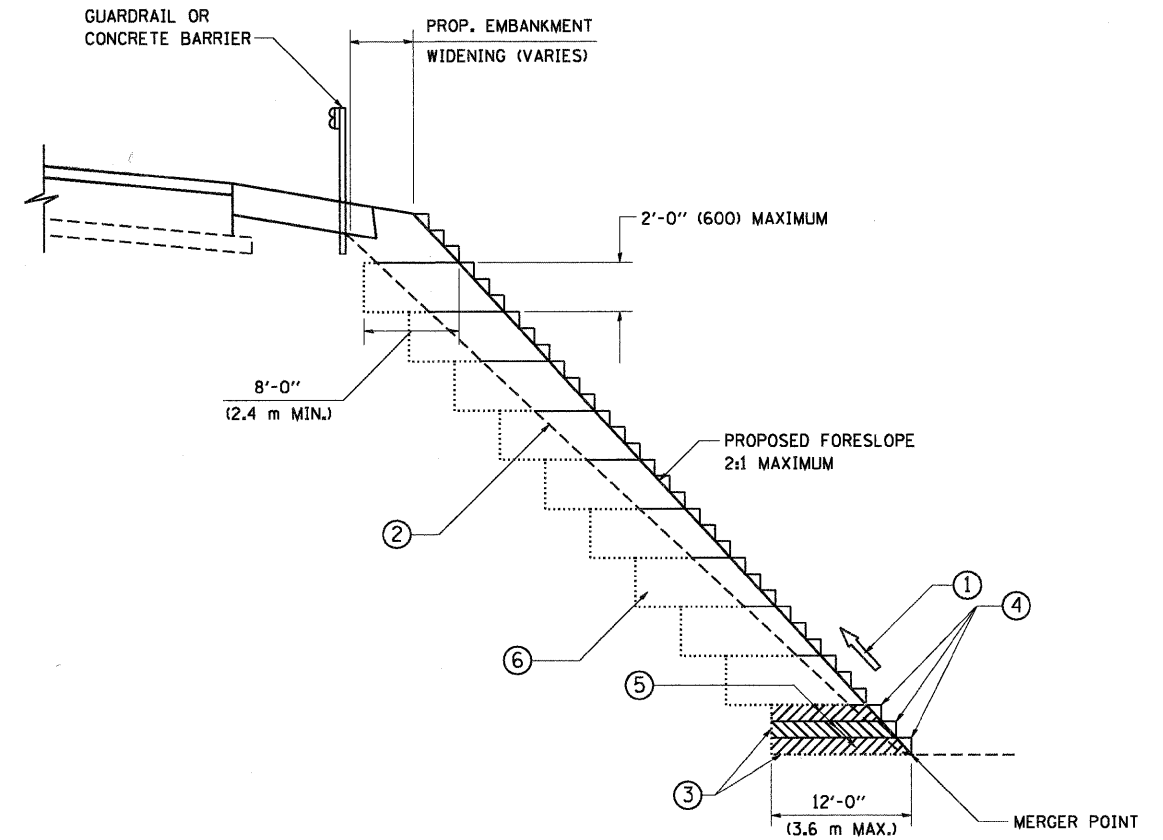
BASIS OF PAYMENT:

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

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

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PLOT SCALE = 50.0000' / IN.	CHECKED -	DATE - 06-13-90	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 58 OF 80 SHEETS	STA.	TO STA.	2442	04-08107-00-BR	KANE	80	58
PLOT DATE = 12/16/2011	DATE -	REVISED - M. GOMEZ 04-06-01	REVISED - R. BORO 01-01-07						BD400-05 BD32				
								CONTRACT NO. 63644					



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

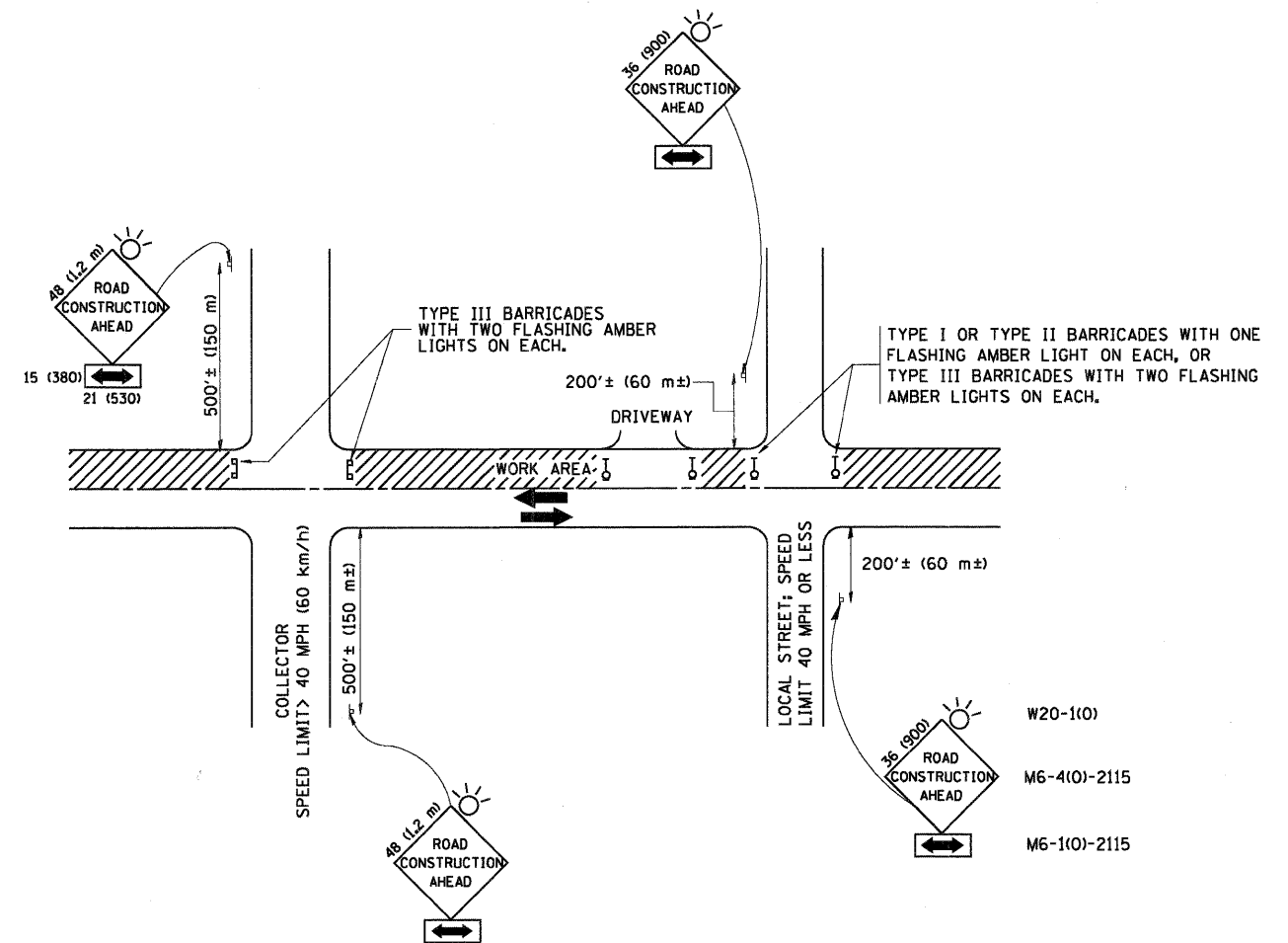
NOTES:

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

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

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FILE NAME = W:\dststd\22x34\bd51.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN - CADD	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING			T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 59
PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	DATE - 06-16-04	REVISED -		SCALE: NONE	SHEET NO. 59 OF 80 SHEETS	STA.	TO STA.	BD-51		CONTRACT NO. 63644	
PLOT DATE = 12/16/2011	DATE - 06-16-04	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

NOTES:

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

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

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

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

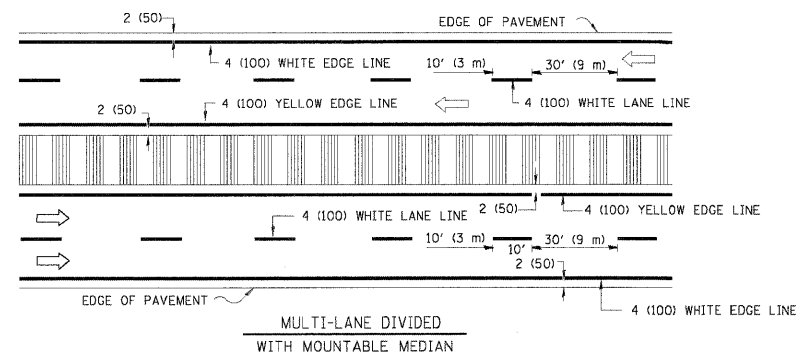
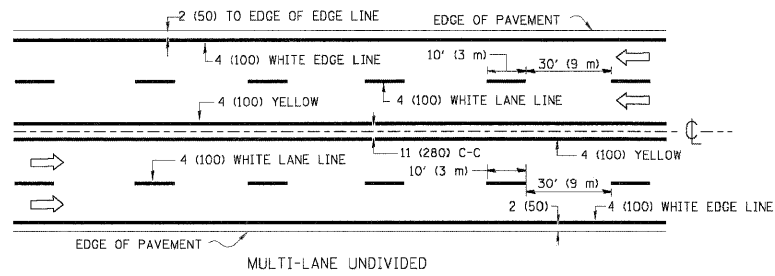
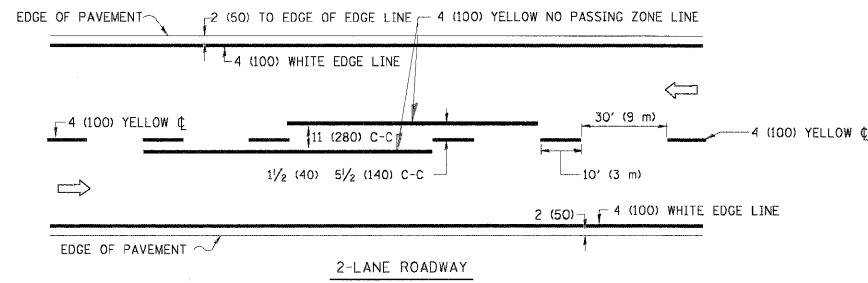
All dimensions are in millimeters (inches) unless otherwise shown.

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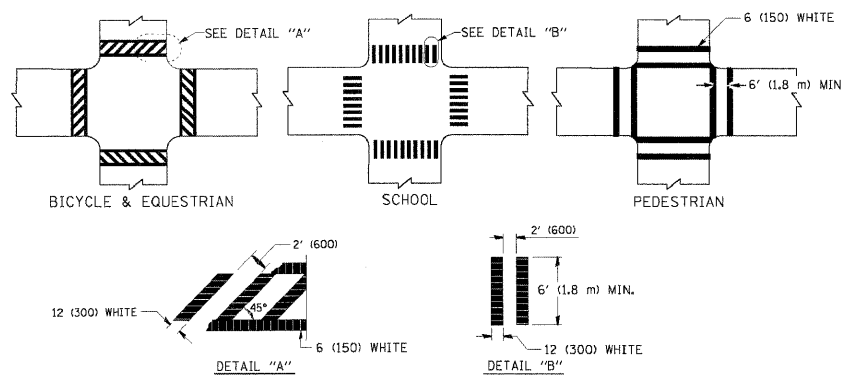
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		2442	04-08107-00-BR	KANE	80	60
SHEET NO. 60 OF 80 SHEETS		TC-10		CONTRACT NO. 63644		
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

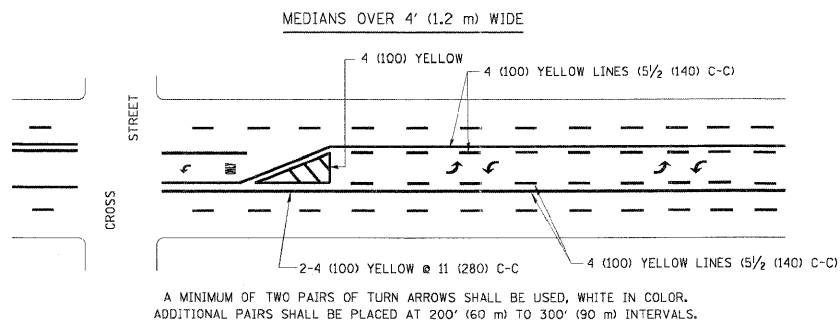
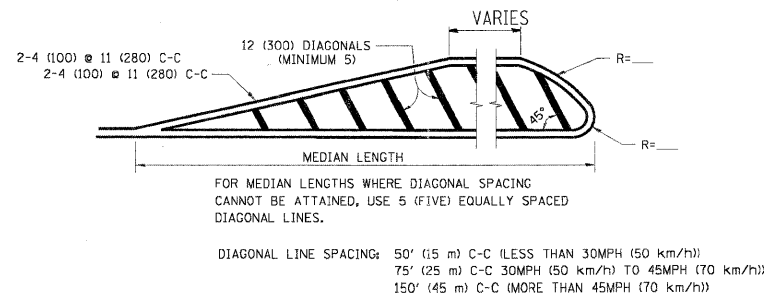
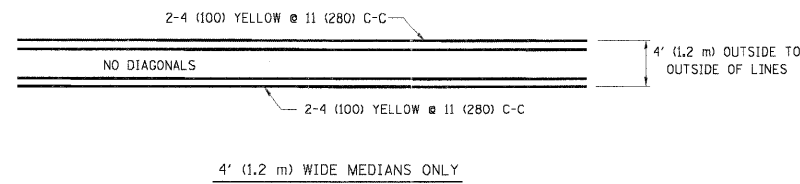


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

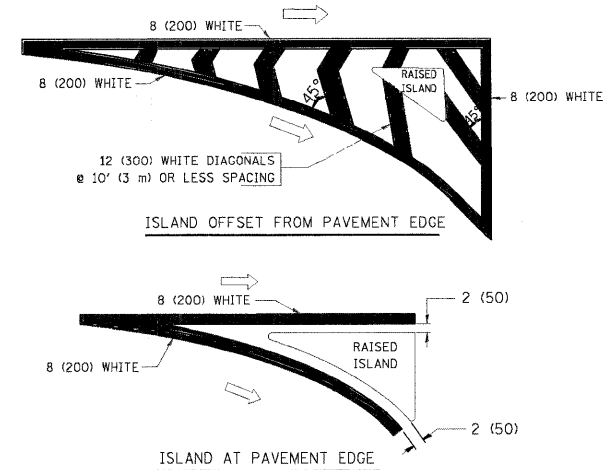


TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



TYPICAL ISLAND MARKING

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

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

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

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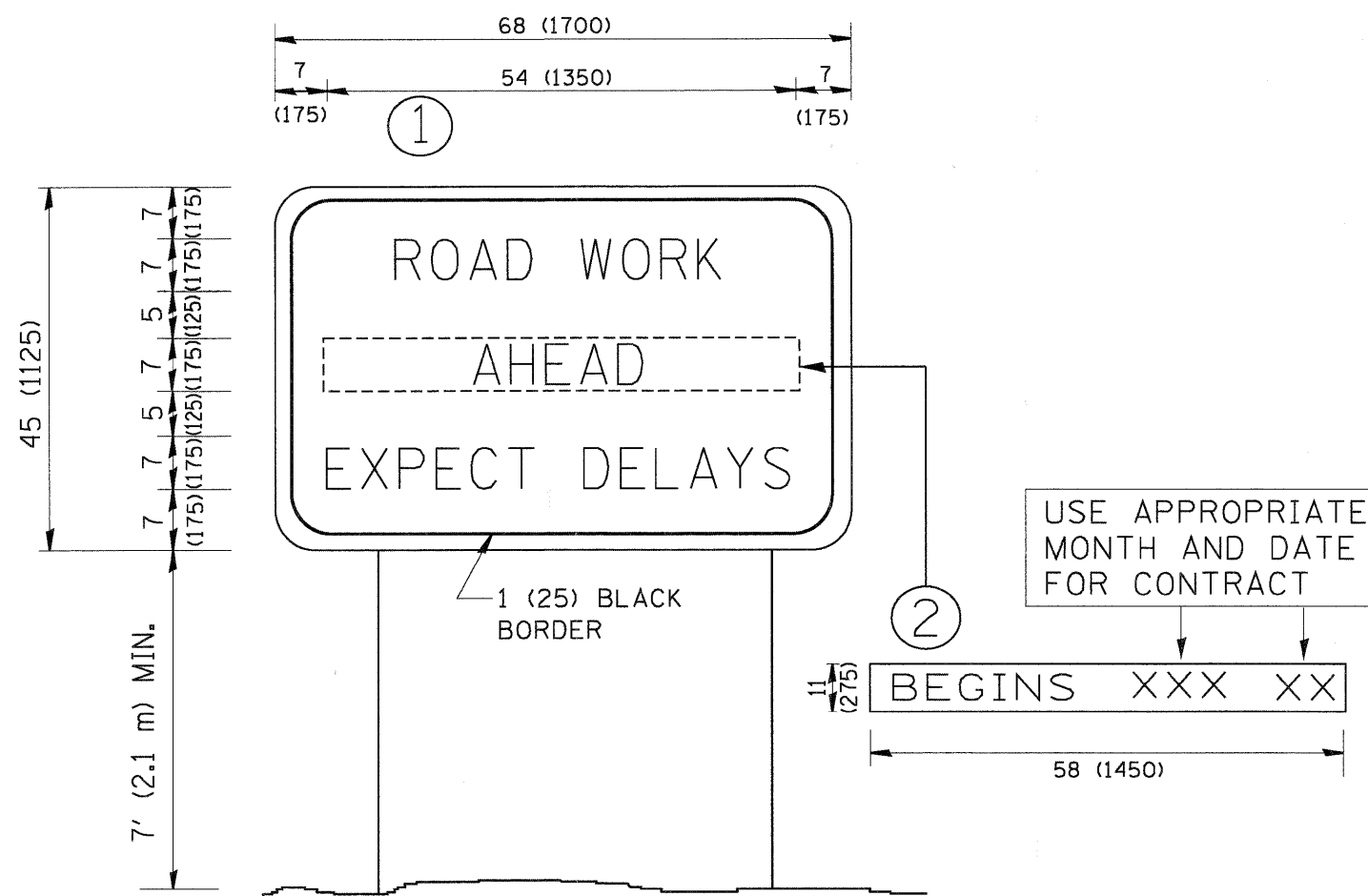
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	PLOT DATE = 12/16/2011	DATE = 03-19-90	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 61 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	61
TC-13			CONTRACT NO.63644	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME = P:\CBBEL\WEST Projects\22091\95-0073\Hospa\H1\Cvt\1\Sign\Sign\TOT_01-TC22.dgn

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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 12/16/2011	DATE -	REVISED - C. JUCIUS 01-31-07

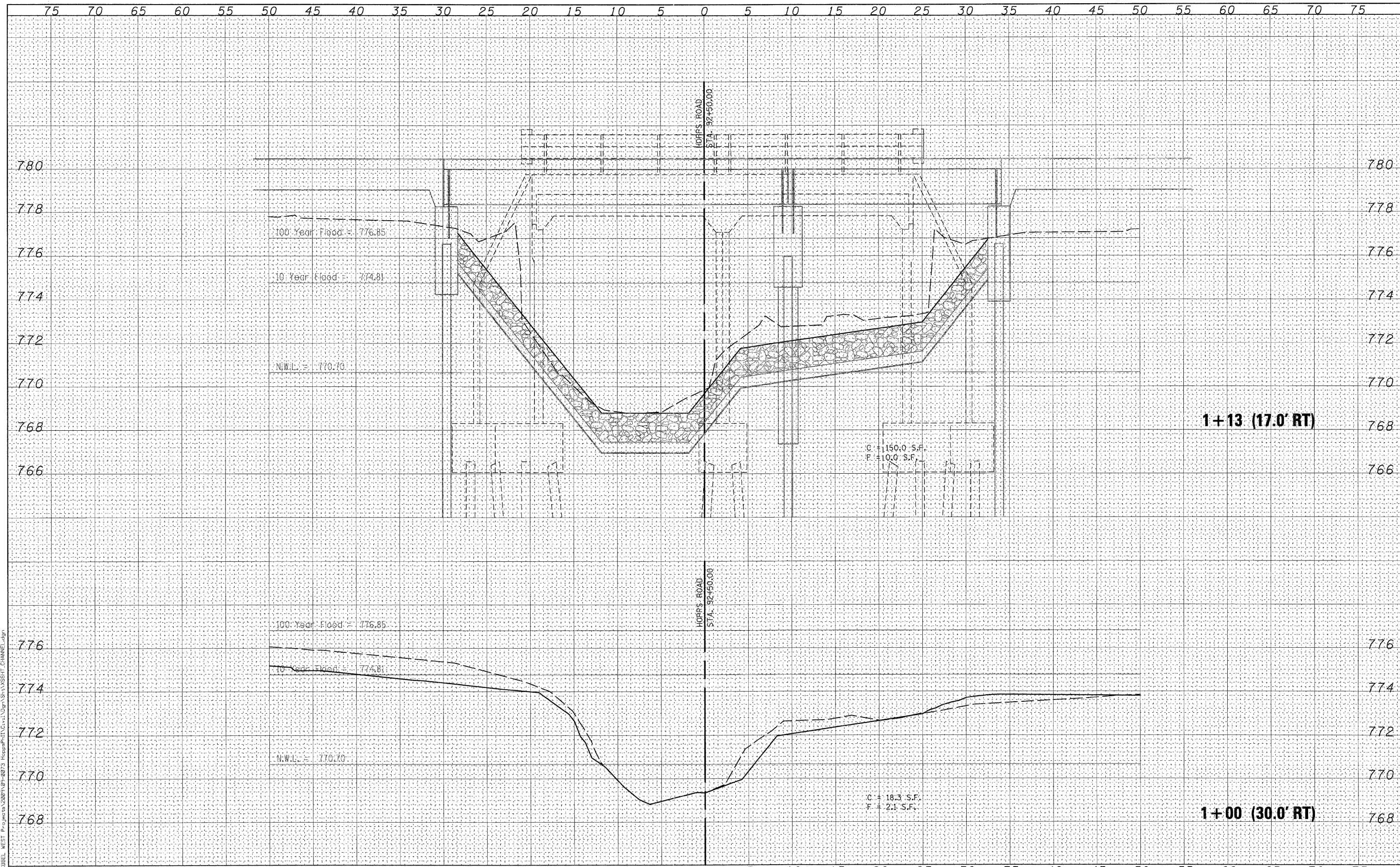
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 62 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	62
TC-22			CONTRACT NO. 63644	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
REVISION	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
REVISION	
NOTE BOOK	
NO.	



WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = rparis	DESIGNED - KMA	REVISED -
PLLOT SCALE =	DRAWN - NDP	REVISED -
PLLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

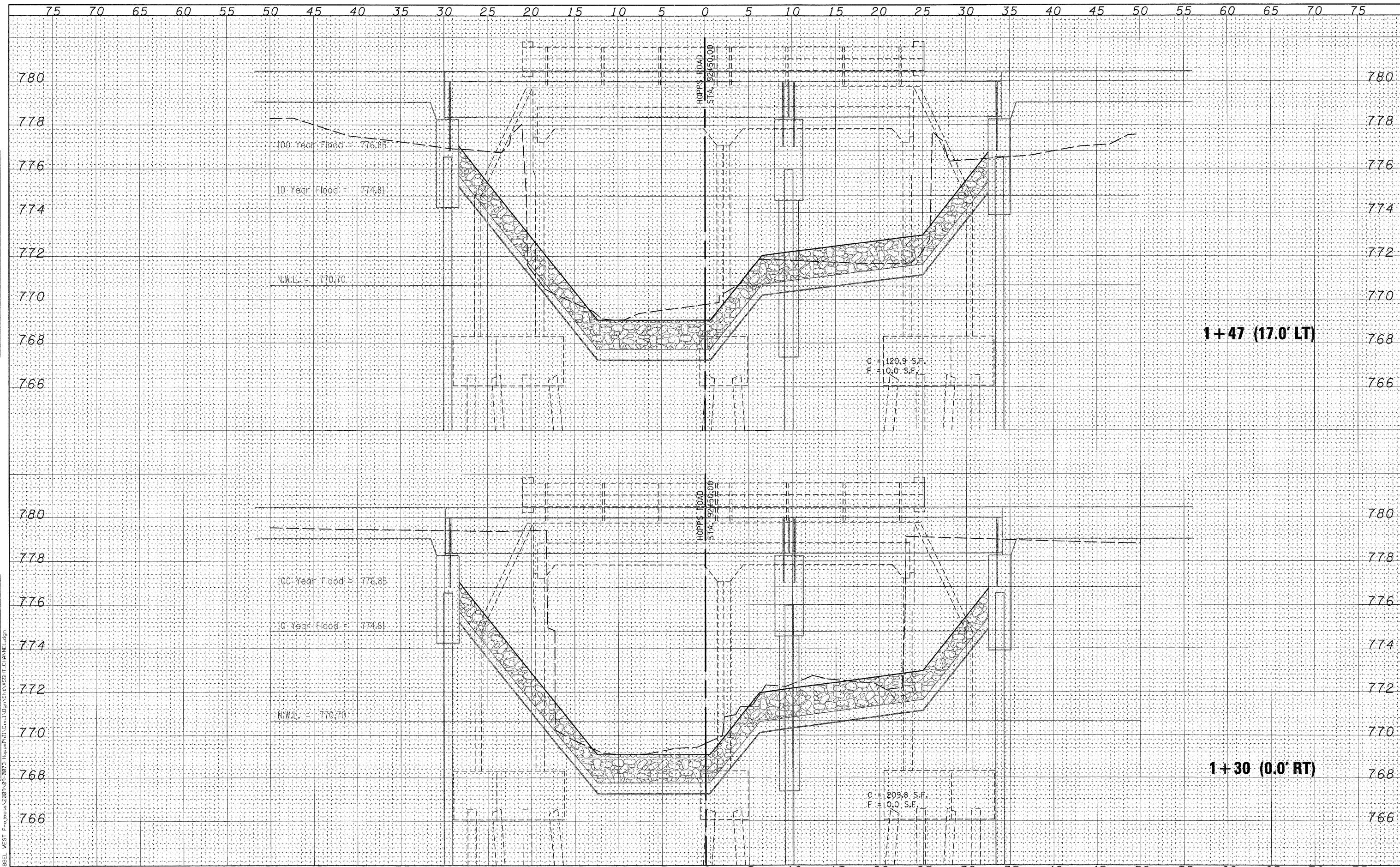
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS CHANNEL			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 87+95.00 TO STA. 88+20.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	63
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO.63644				

DATE	
BY	
FINAL SURVEY	
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ORIGINAL SURVEY	
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TEMPLATE	
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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = rparis	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

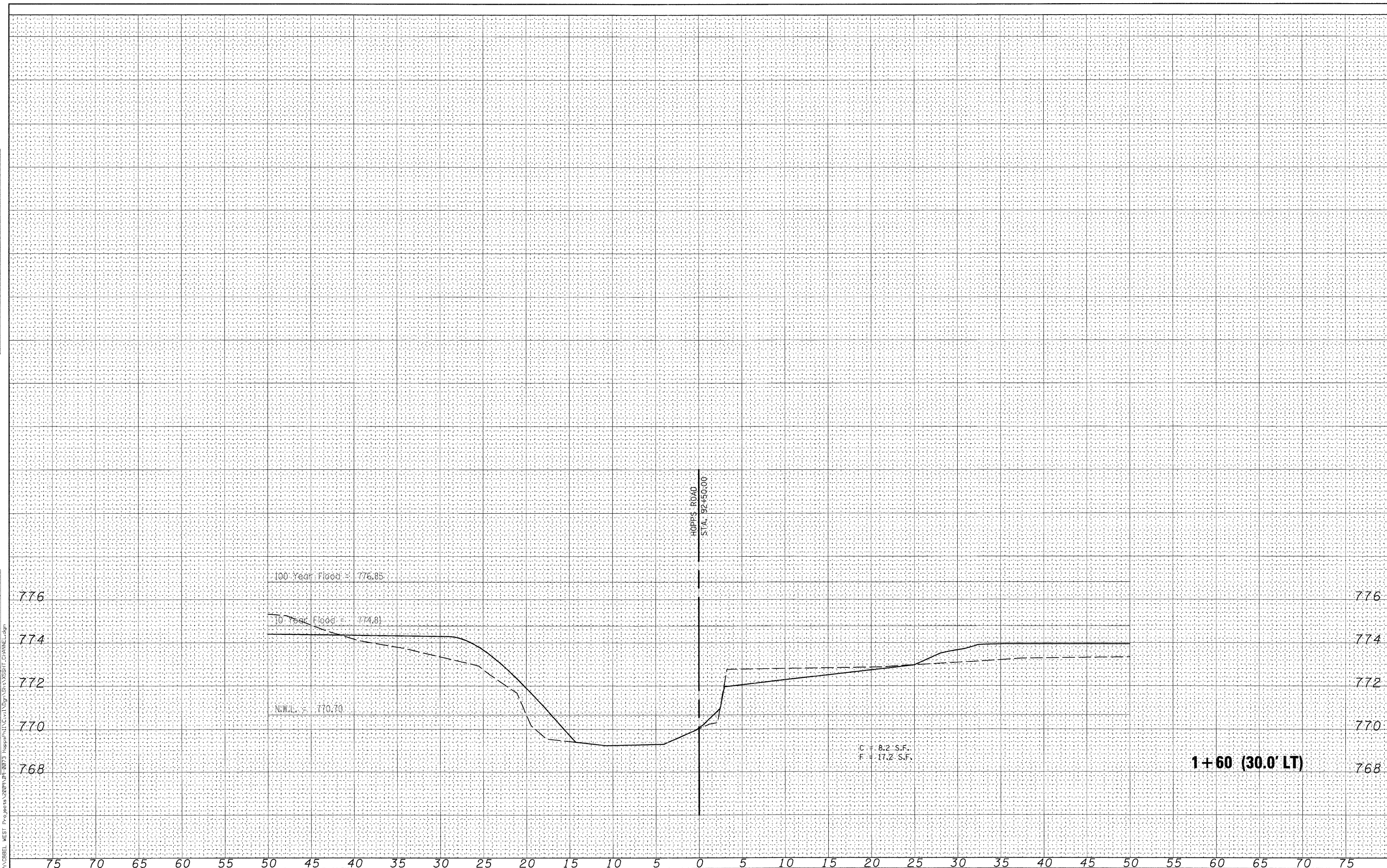
CROSS SECTIONS CHANNEL			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 88+50.00 TO STA. 89+00.00

F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	64
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FILE NAME = P:\CBBEL WEST Projects\2009\04-20073 HoppsRd\11\Ugr\Sh\XSSHT.CHANNEL.dgn

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NO. _____	BY _____
NOTE BOOK	SURVEYED
AREAS CHECKED	TEMPLATE
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ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	SURVEYED
AREAS CHECKED	TEMPLATE
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WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparr13	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

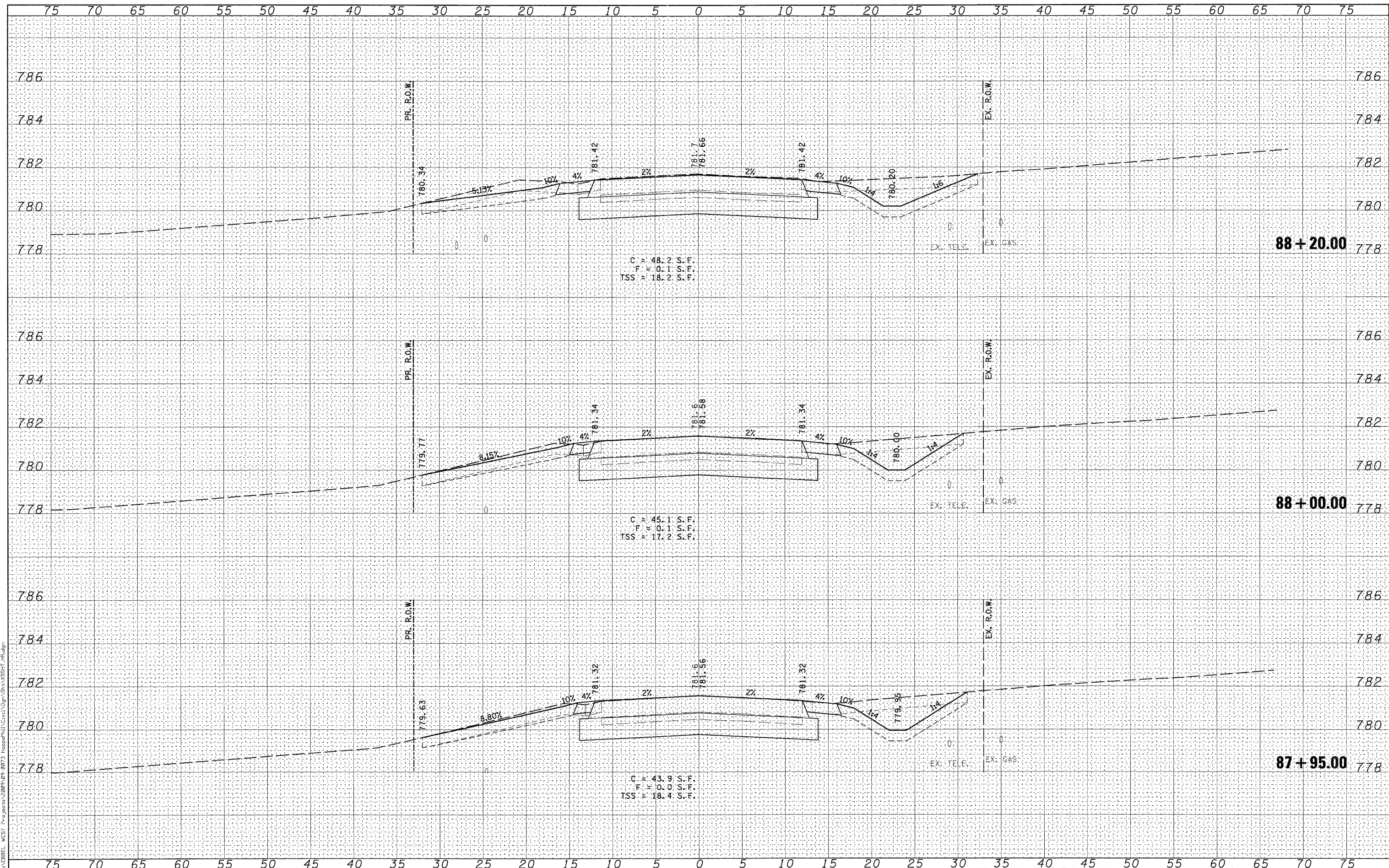
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SCALE:	SHEET NO.	OF 80 SHEETS	STA. TO STA.

F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	65
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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F = 0.1 S.F.
TSS = 18.2 S.F.

C = 45.1 S.F.
F = 0.1 S.F.
TSS = 17.2 S.F.

C = 43.9 S.F.
F = 0.0 S.F.
TSS = 18.4 S.F.

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparr13	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

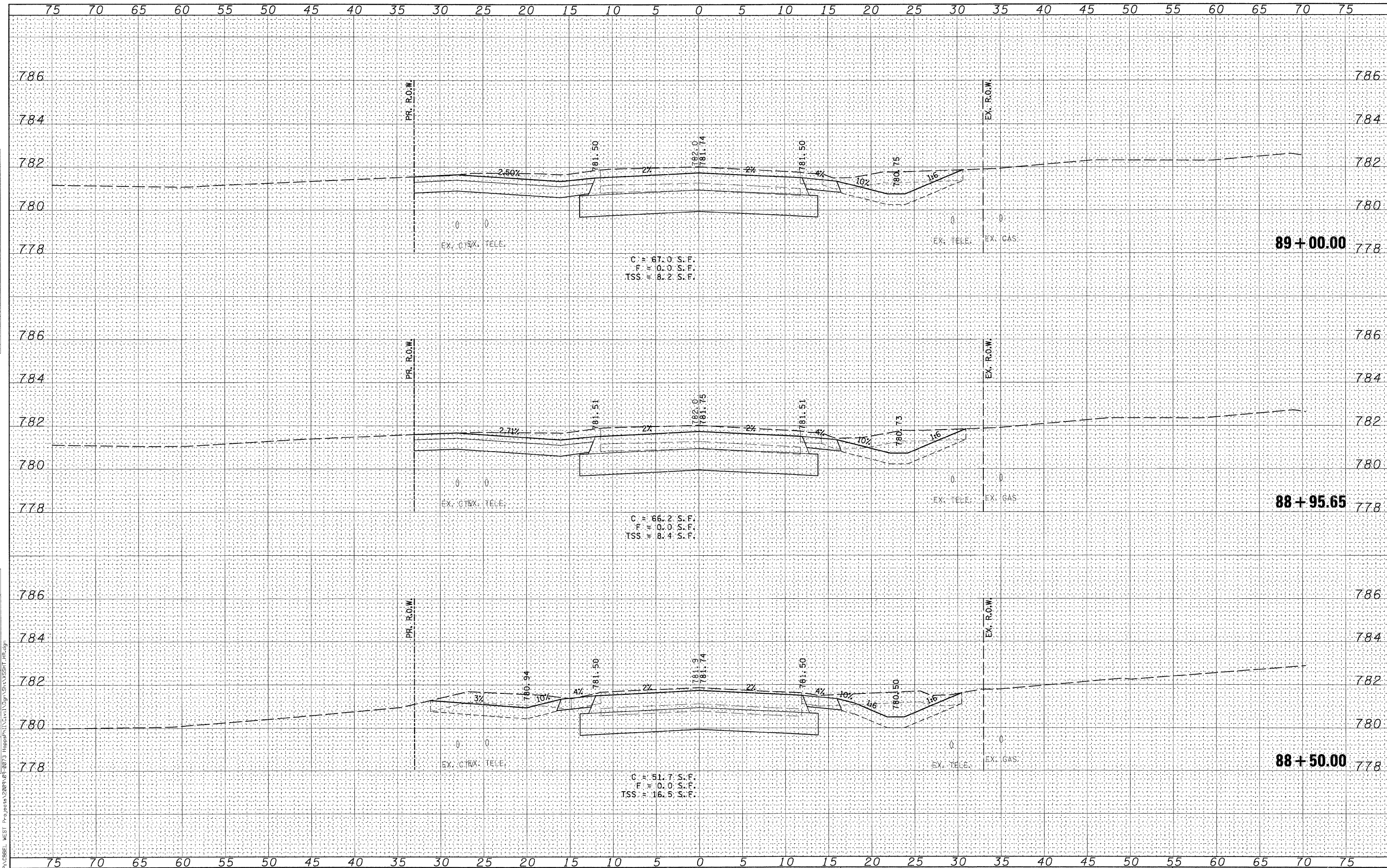
**CROSS SECTIONS
HOPPS ROAD**

SCALE: SHEET NO. OF 80 SHEETS STA. 87+95.00 TO STA. 88+20.00

T.R. RTE. 2442	SECTION 04-08107-00-BR	COUNTY KANE	TOTAL SHEETS 80	SHEET NO. 66
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	BY
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FILE NAME = P:\CBREL WEST Projects\2009\05-09\3 Hopps\Plan\Drawn\Sh\XSSHT HR.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
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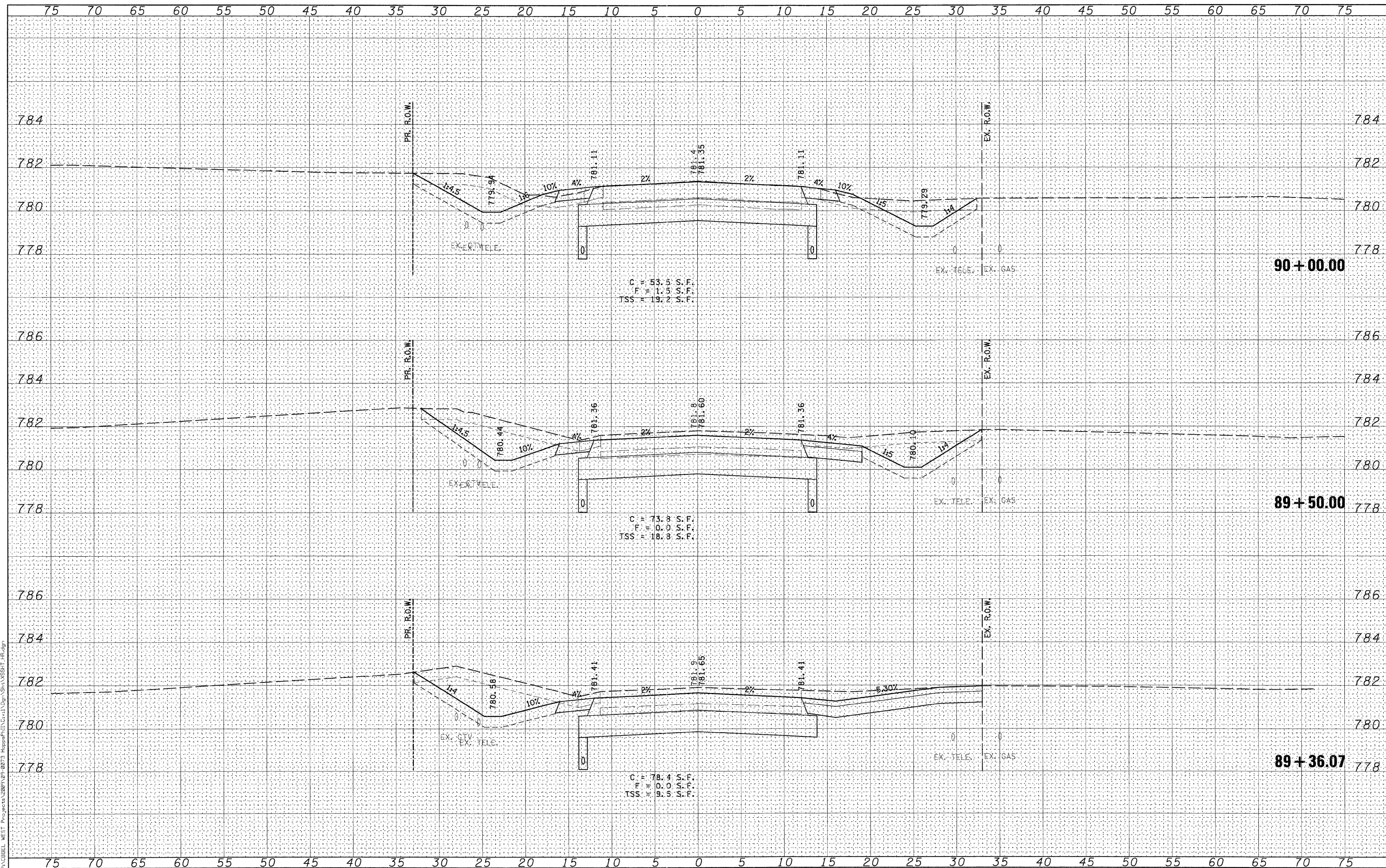
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
HOPPS ROAD	
SCALE:	SHEET NO. OF 80 SHEETS STA. 88+50.00 TO STA. 89+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
2442	04-08107-00-BR	KANE	80 67
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63644

DATE	
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NOTE BOOK	
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DATE	
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TEMP. USE	
NOTE BOOK	
AREAS CHECKED	
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C = 53.5 S.F.
 F = 1.5 S.F.
 TSS = 19.2 S.F.

C = 73.8 S.F.
 F = 0.0 S.F.
 TSS = 18.8 S.F.

C = 78.4 S.F.
 F = 0.0 S.F.
 TSS = 9.5 S.F.

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
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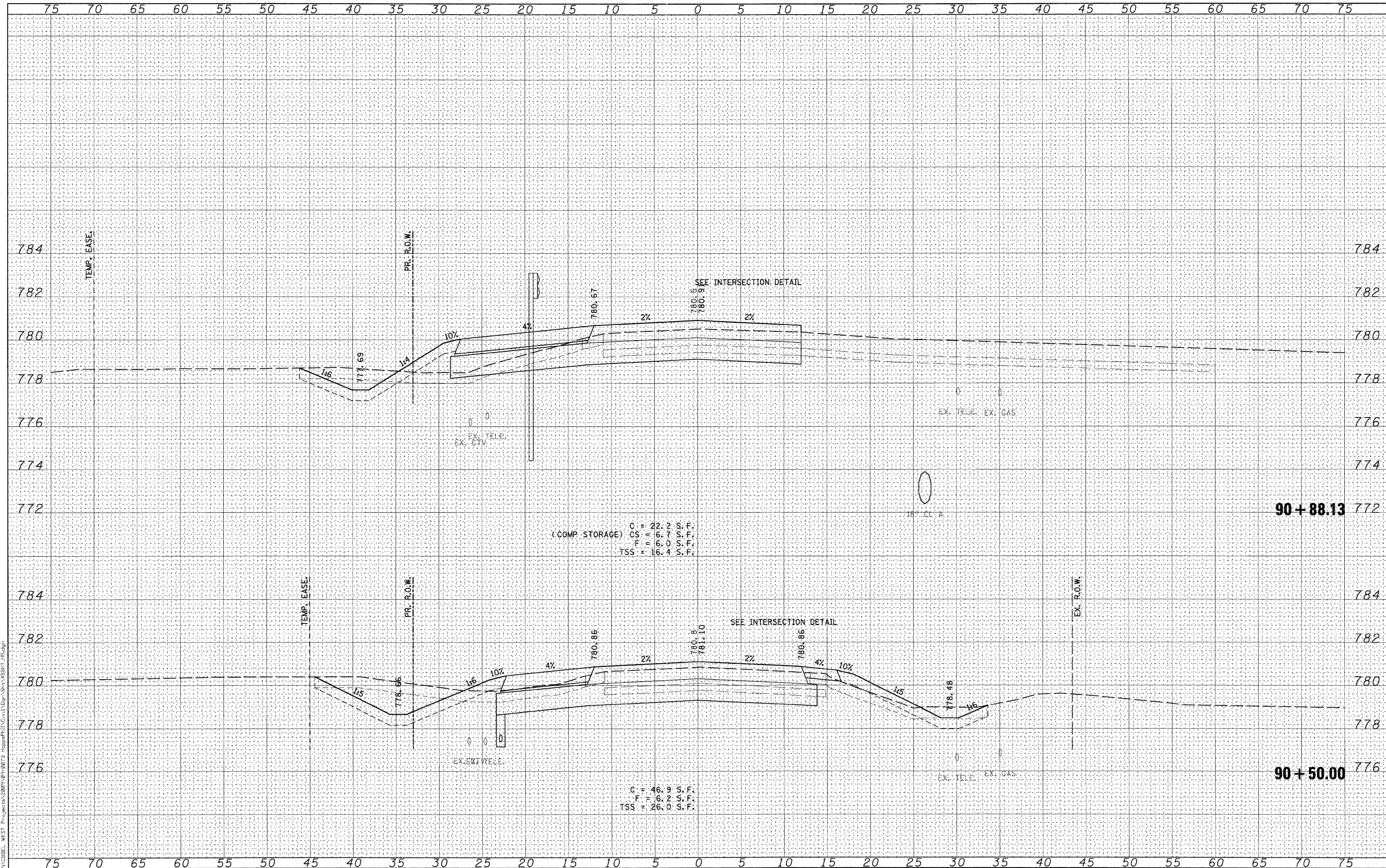
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 89+36.07 TO STA. 90+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	68
CONTRACT NO.63644				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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(COMP. STORAGE) C = 22.2 S.F.
 CS = 6.7 S.F.
 F = 6.0 S.F.
 TSS = 16.4 S.F.

C = 46.9 S.F.
 F = 6.2 S.F.
 TSS = 26.0 S.F.

WILLS BURKE KELSEY ASSOCIATES LTD.
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 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

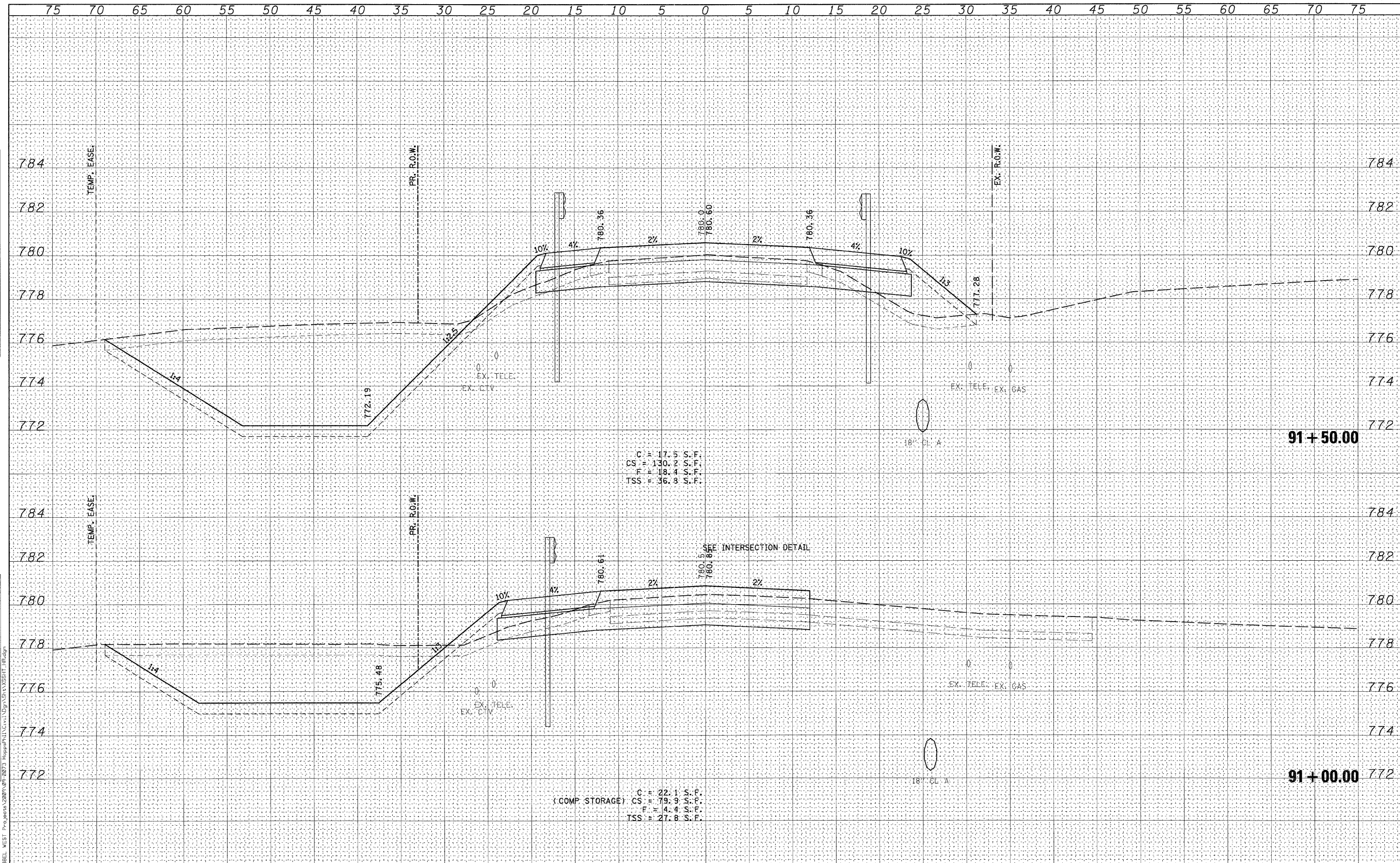
CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 90+50.00 TO STA. 90+88.13

F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	69
CONTRACT NO.63644				
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT

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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 63174

USER NAME = mparr19	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
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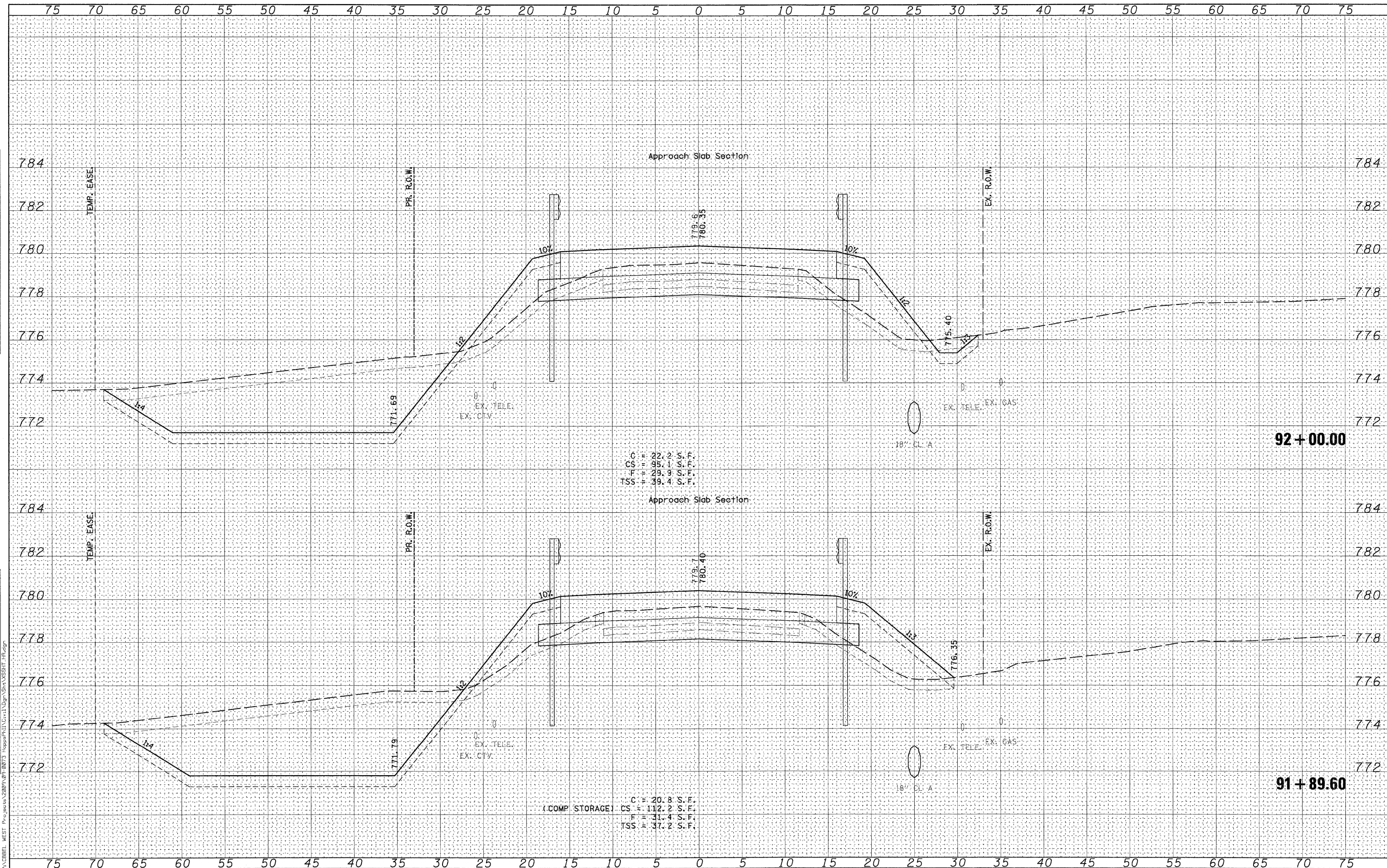
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 91+00.00 TO STA. 91+50.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	70
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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DATE	
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SURVEYED	
TEMPLATE	
AREAS CHECKED	
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C = 22.2 S.F.
 CS = 95.1 S.F.
 F = 29.9 S.F.
 TSS = 39.4 S.F.

(COMP STORAGE) C = 20.8 S.F.
 CS = 112.2 S.F.
 F = 31.4 S.F.
 TSS = 37.2 S.F.

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME	= rnparr13
DESIGNED	- KMA
DRAWN	- NDP
CHECKED	- RPD
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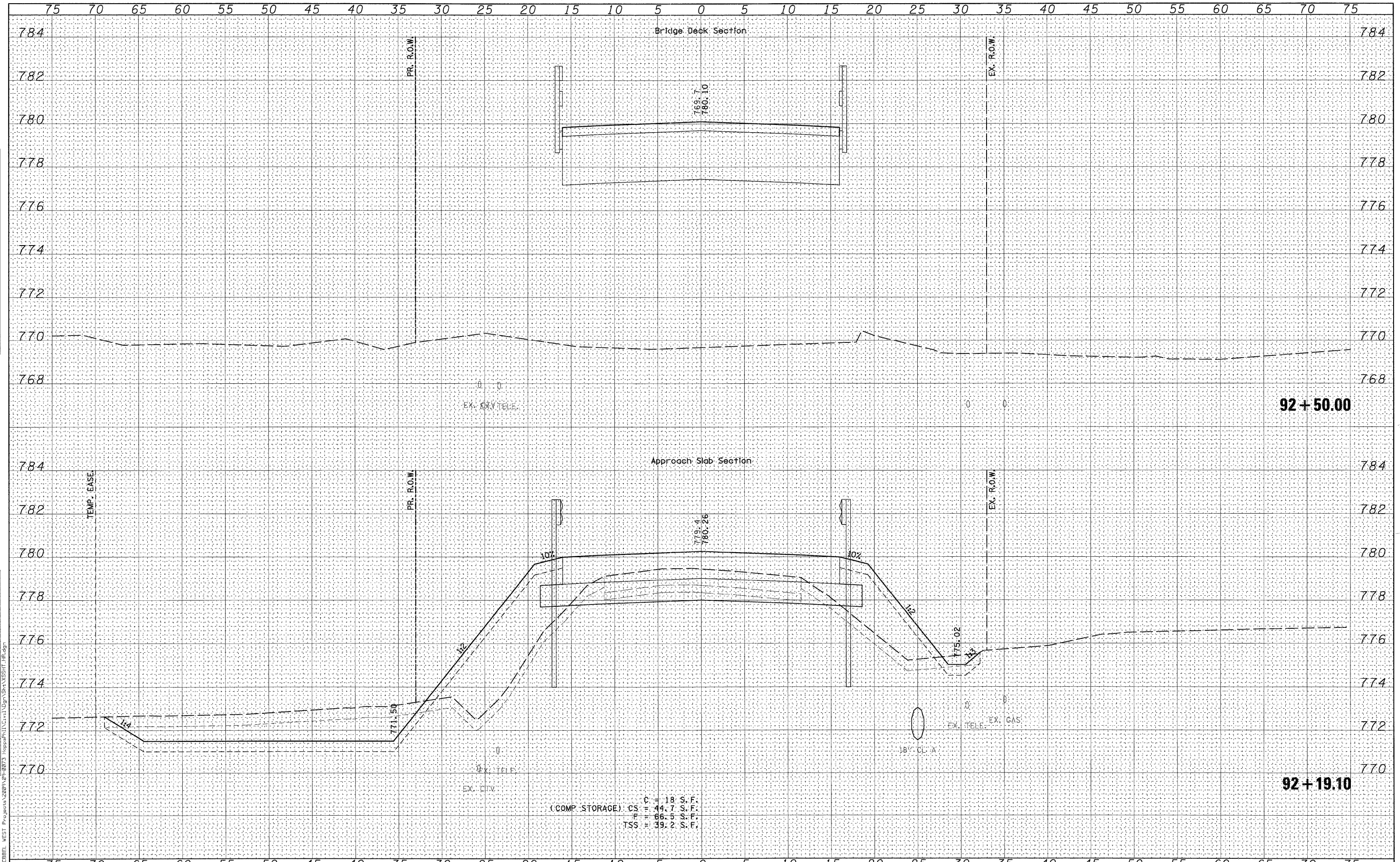
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 91+89.60 TO STA. 92+00.00

R.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	71
CONTRACT NO.63644				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
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TEMPLATE	
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WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

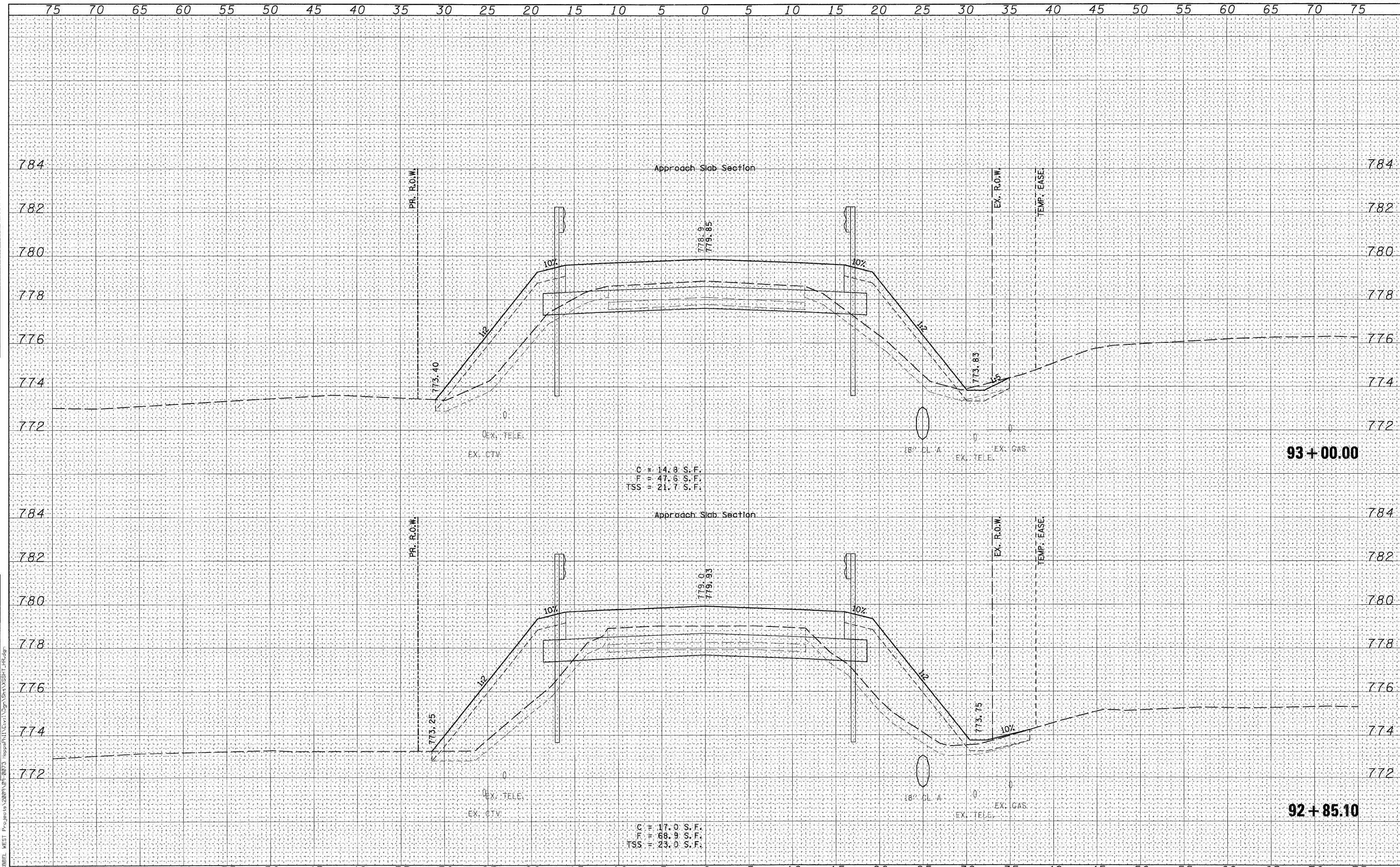
CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 92+19.10 TO STA. 92+50.00

L.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	72
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

(COMP STORAGE) C = 18 S. F.
 CS = 44.7 S. F.
 F = 66.5 S. F.
 TSS = 39.2 S. F.

FINAL	SURVEYED	DATE
SURVEY	TEMPLATE	BY
NOTE BOOK	AREAS CHECKED	
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ORIGINAL	SURVEYED	DATE
SURVEY	TEMPLATE	BY
NOTE BOOK	AREAS CHECKED	
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WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = rparrott	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
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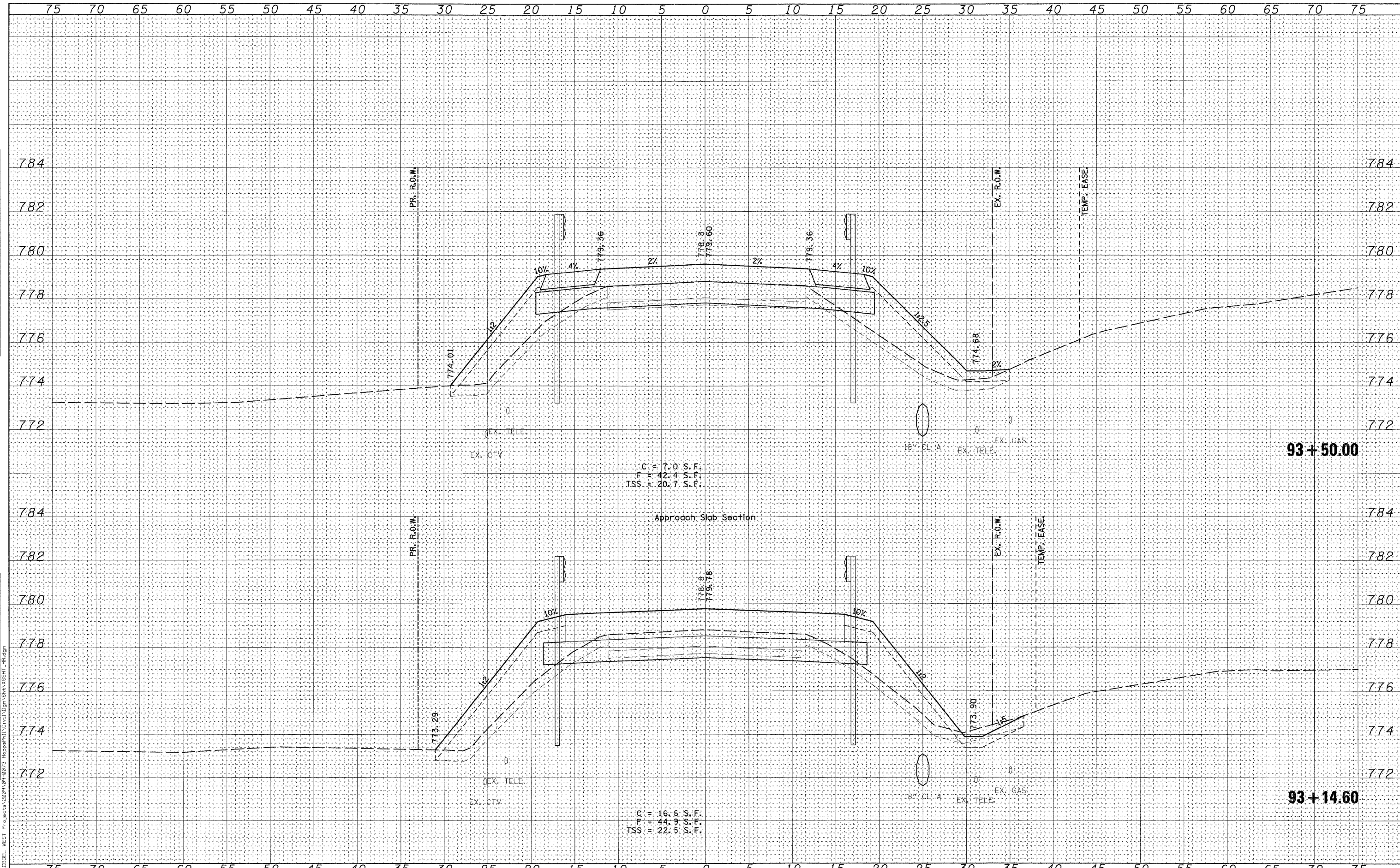
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 92+85.10 TO STA. 93+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	73
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO.63644				

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	



WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 61774

USER NAME = rparis	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
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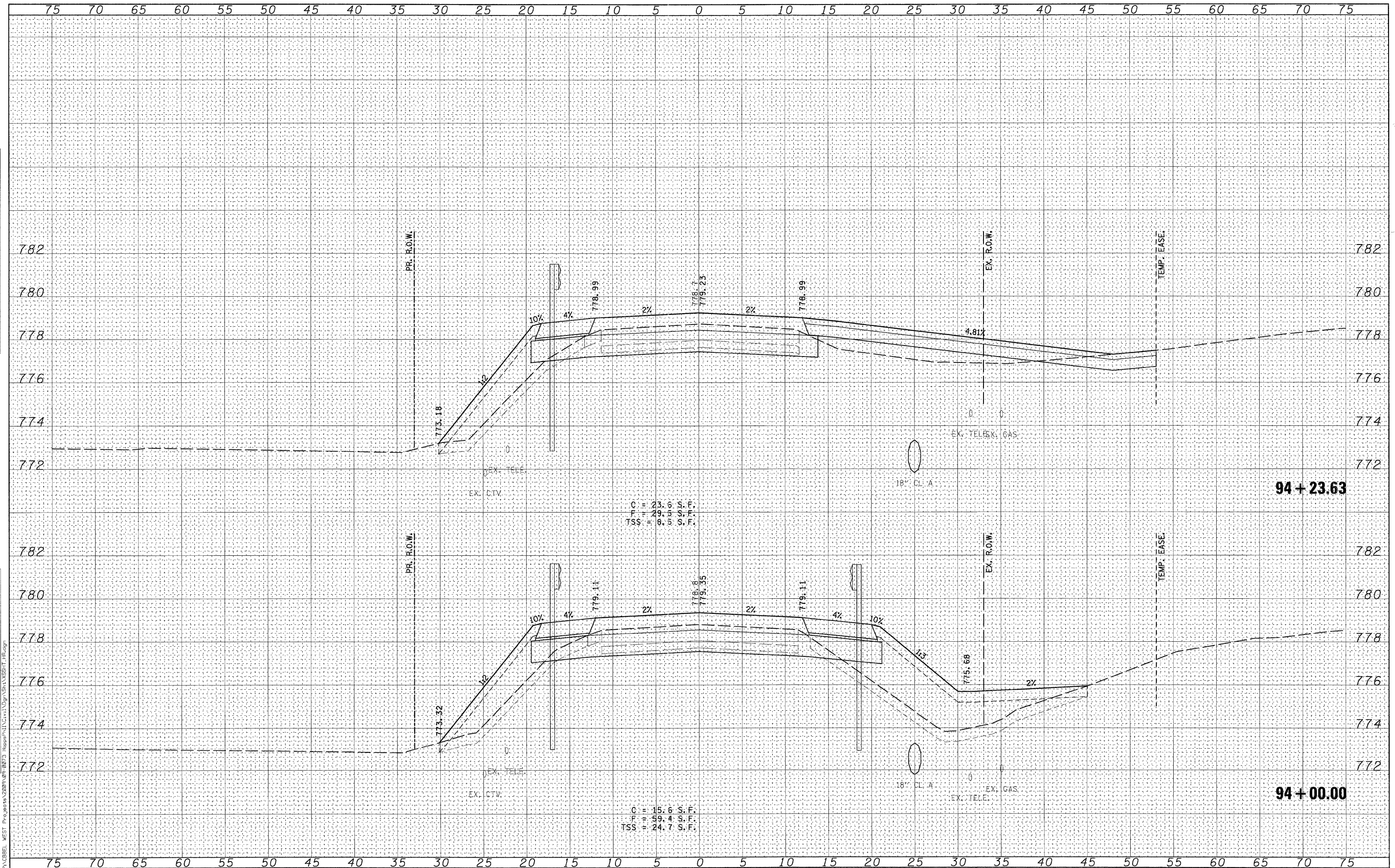
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 93+14.60 TO STA. 93+50.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	74
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				CONTRACT NO. 63644

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	BY
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	BY
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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

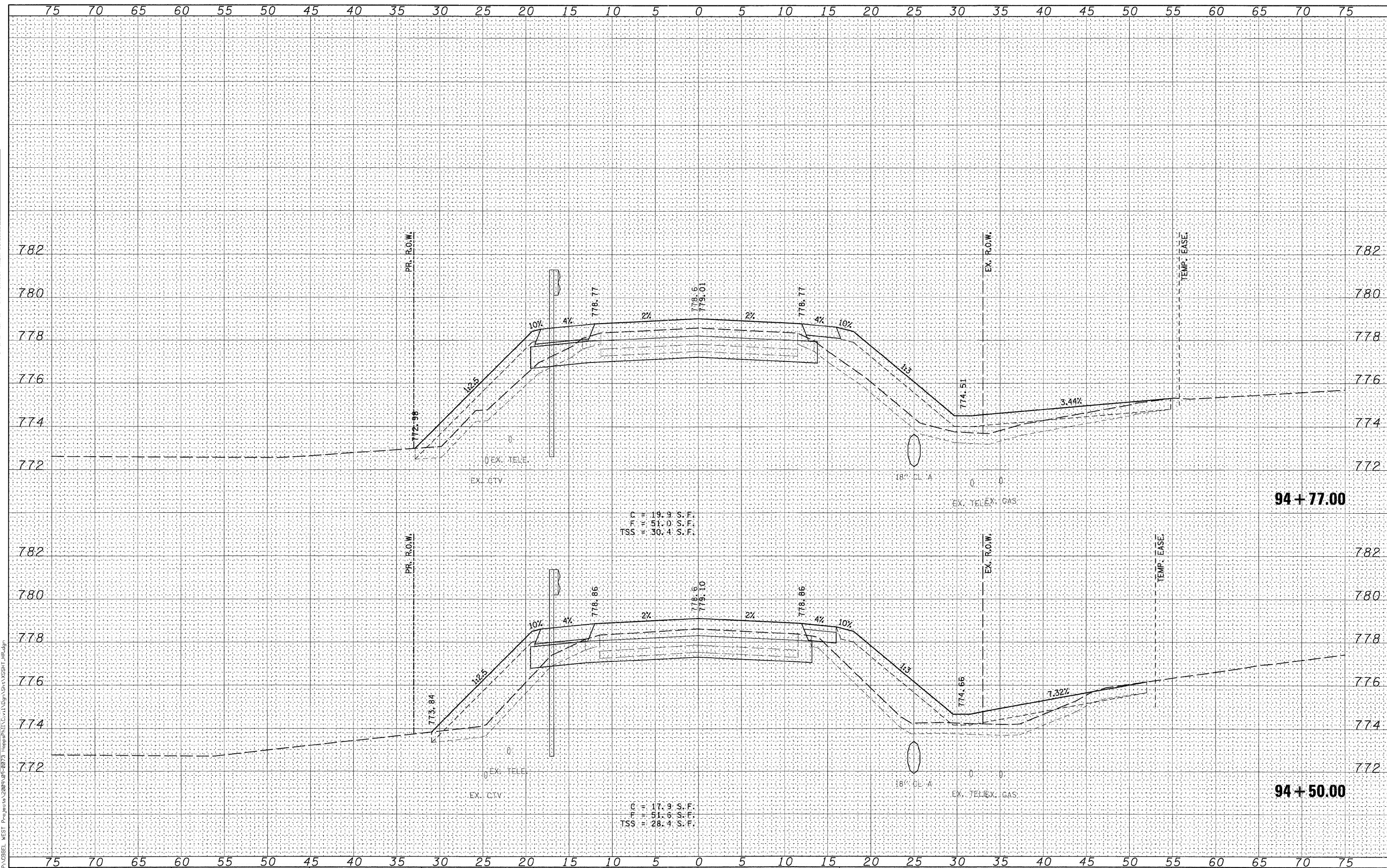
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HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 94+00.00 TO STA. 94+23.63

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	75
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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FINAL	SURVEYED	DATE
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ORIGINAL	SURVEYED	DATE
SURVEY	TEMPLATE	BY
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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME =	hparis	DESIGNED -	KMA	REVISED -	
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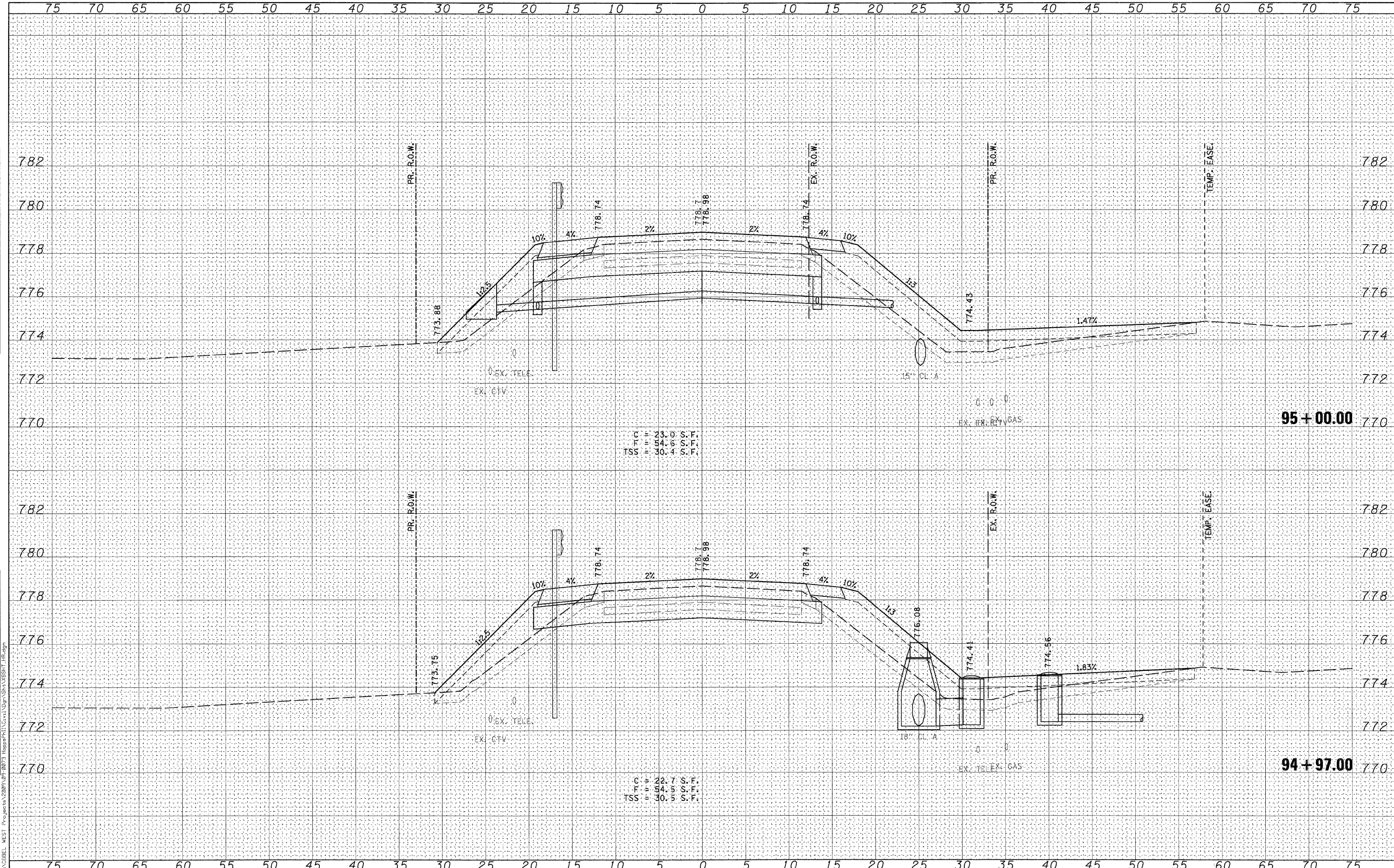
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 94+50.00 TO STA. 94+77.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	76
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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C = 23.0 S.F.
 F = 54.6 S.F.
 TSS = 30.4 S.F.

C = 22.7 S.F.
 F = 54.8 S.F.
 TSS = 30.5 S.F.



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

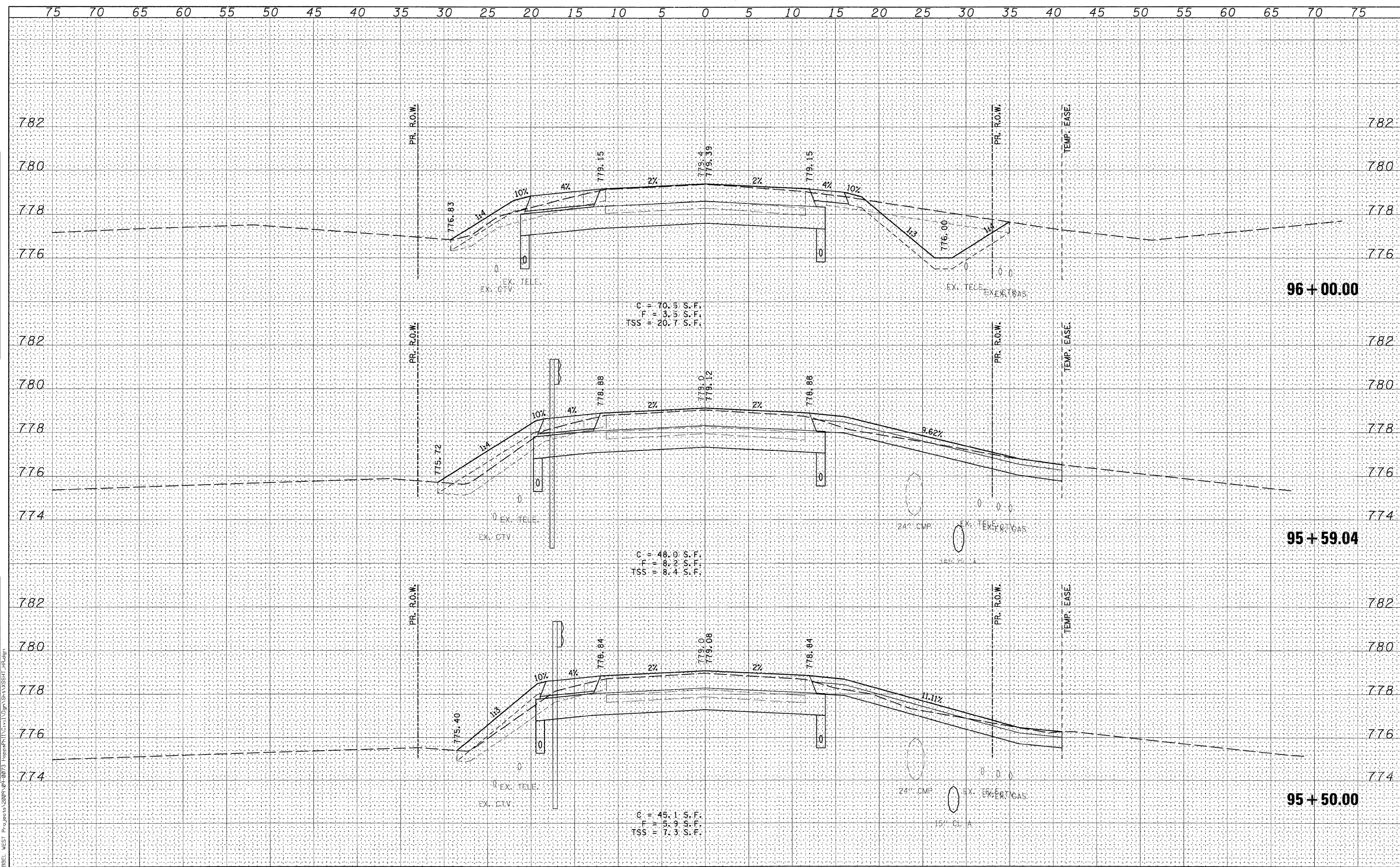
**CROSS SECTIONS
 HOPPS ROAD**

SCALE: SHEET NO. OF 80 SHEETS STA. 94+97.00 TO STA. 95+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	77
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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WILLS BURKE KELSEY ASSOCIATES LTD.
 110 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = rhparr18
 DESIGNED - KMA
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

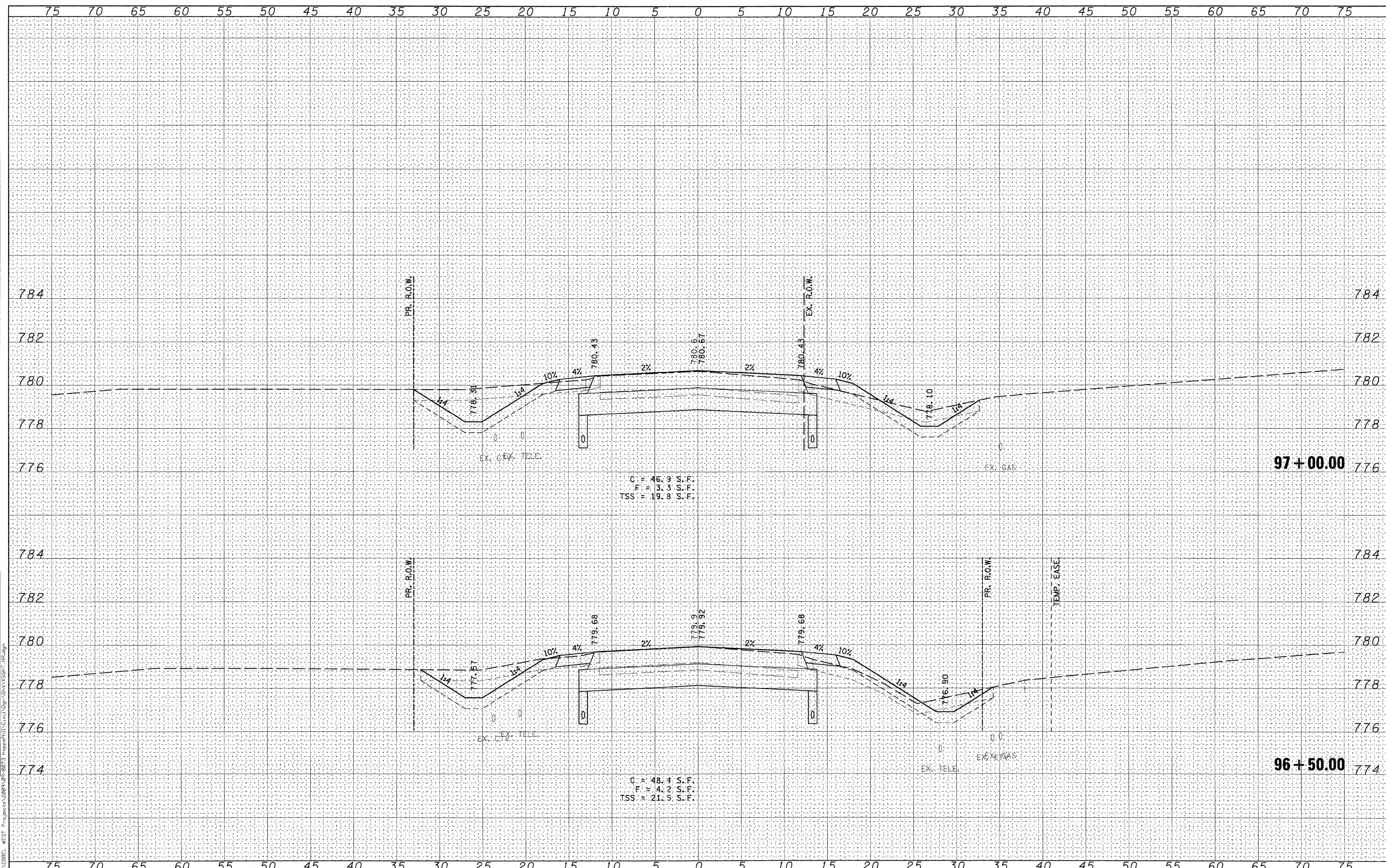
CROSS SECTIONS
 HOPPS ROAD

SCALE: SHEET NO. OF 80 SHEETS STA. 95+50.00 TO STA. 96+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	78
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63644

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
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WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparr13	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

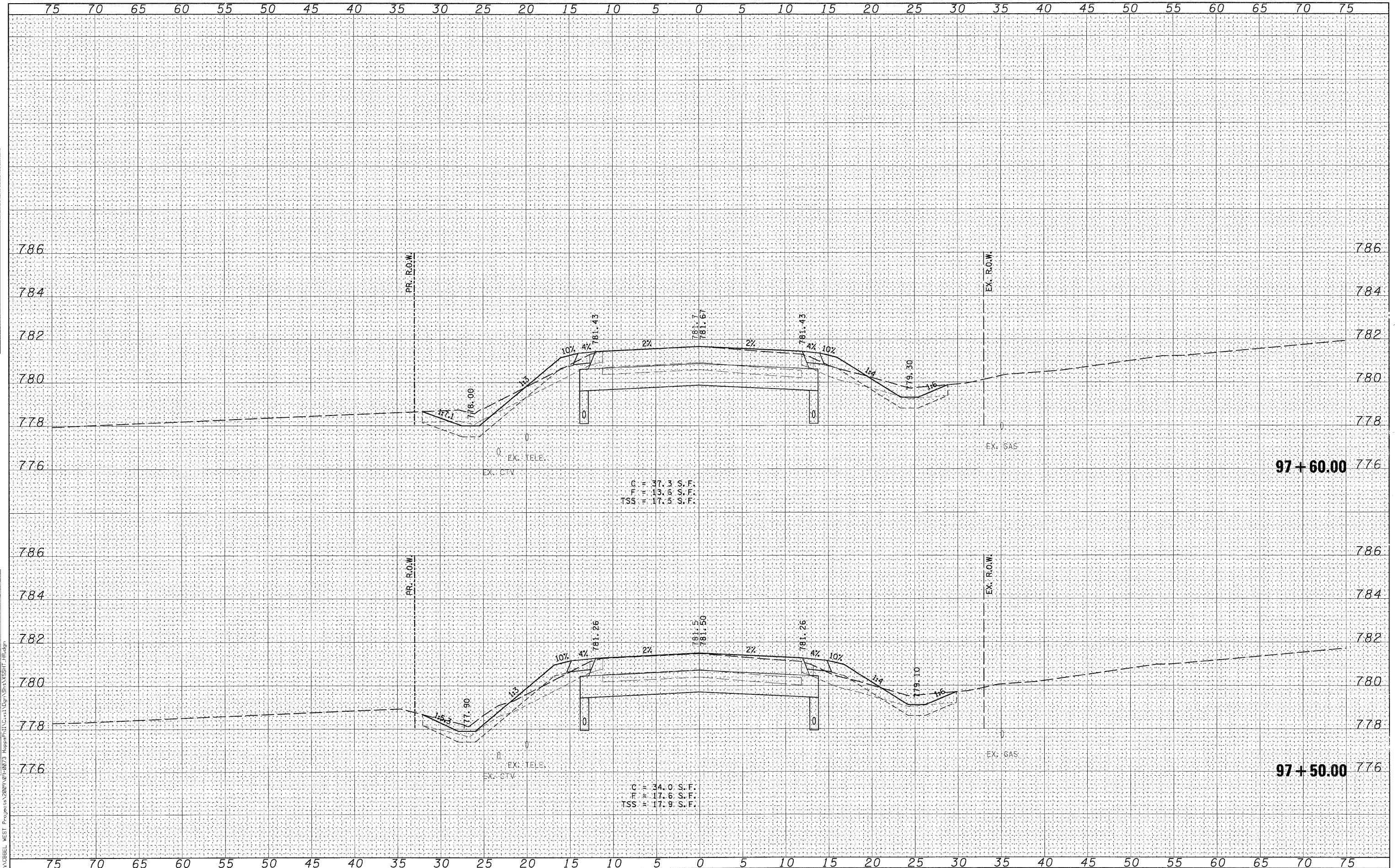
**CROSS SECTIONS
 HOPPS ROAD**

SCALE: SHEET NO. OF 80 SHEETS STA. 96+50.00 TO STA. 97+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	79
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	DATE
SURVEY	TEMPLATE	BY
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ORIGINAL	SURVEYED	DATE
SURVEY	TEMPLATE	BY
NOTE BOOK	AREAS CHECKED	
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116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparr1s	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
HOPPS ROAD			
SCALE:	SHEET NO.	OF 80 SHEETS	STA. 97+50.00 TO STA. 97+60.00

F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	80
CONTRACT NO.63644				
ILLINOIS FED. AID PROJECT				

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