C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	1
		ILLINOIS	CONTRACT NO.	

PRE–FINAL

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN HAMPSHIRE TOWNSHIP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

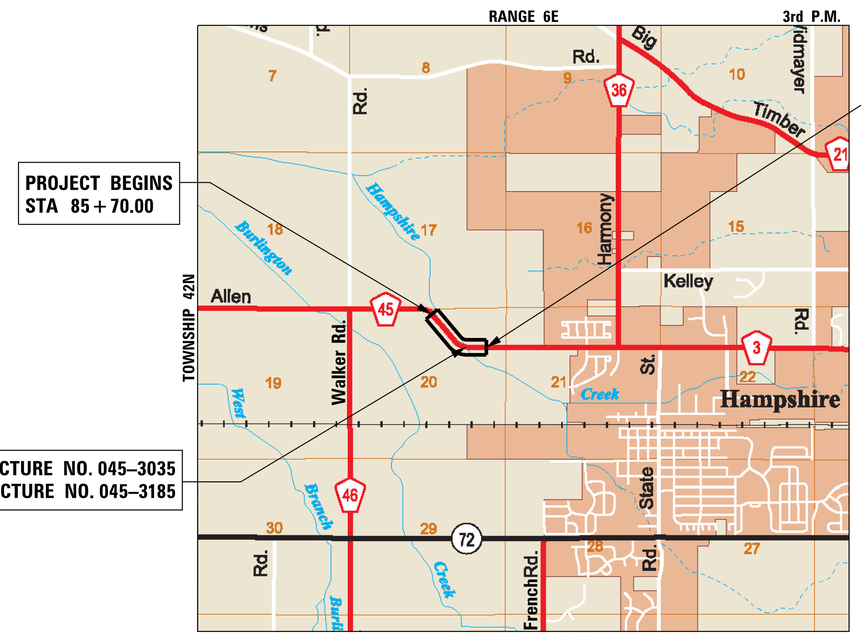
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

C.H. 45 (ALLEN ROAD)
OVER HAMPSHIRE CREEK
BRIDGE REHABILITATION
SECTION 11–00132–01–BR
PROJECT BROS–0089(166)
KANE COUNTY
JOB NO. C–91–085–12

TRAFFIC DATA
2011 ADT = 2,650
2040 ADT = 7,000

DESIGN/POSTED SPEED
POSTED SPEED: 55 MPH
DESIGN SPEED: 60 MPH

DESIGN DESIGNATION
LOCAL ROAD (NON–URBAN)



N
1" = 0.5 MI

HAMPSHIRE TOWNSHIP
PROJECT NET AND GROSS LENGTH = 2,080 FT (0.394 MILE)
PROJECT LOCATED IN:
THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 42N,
RANGE 6E, OF THE THRID PRINCIPAL MERIDIAN, KANE COUNTY, ILLIONIS

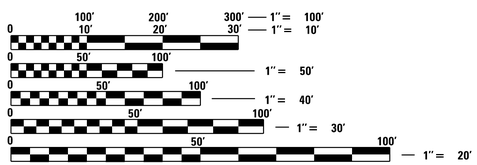
LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____
COUNTY ENGINEER, KANE COUNTY

PASSED _____
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW _____
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



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

_____ 20 _____
PAUL J. FITZPATRICK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062–047637
EXPIRATION DATE 11–30–2016
SHEETS 1–44, 57–84

_____ 20 _____
ANDREW E. UNDERWAGER
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 081–006218
EXPIRATION DATE 11–30–2016
SHEETS 45–56

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

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO.

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705–4021 SCHAUMBURG, IL

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENT SET FORTH IN "THE STANDARD 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.

2. BEFORE 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)

3. 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.

4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

5. ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

6. 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.

7. 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.

DRAINAGE NOTES

1. 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 SEPARATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

2. ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE 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 SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT MUST BE 12 INCH FOR DRAIN PIPE, 12". A TYPE A INLET W/ TYPE 1 CLOSED LID WILL BE CONSTRUCTED TO CONNECT THE TILE(S) AND/OR STORM SEWER. A NOMINAL QUANTITY OF EACH ITEM HAS BEEN ADDED TO THE PLANS.

3. 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.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT

1. THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.

2. 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 PROVIDING THE COORDINATION AND WORK PLAN.

3. SEE ERSOION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDTIONS AND NOTES.

TREES AND SHRUBS

1. THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS AS SHOWN ON THE PLANS OR AS DIRECTED 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 IN-KIND ANY DAMAGED PLANTS AT HIS OWN EXPENSE.

2. THE AREA TO BE PLANTED SHALL BE FINISHED TO LINE AND GRADE BEFORE PLANTING OPERATIONS ARE BEGUN. THE CONTRACTOR SHALL FURNISH ALL MARKING FLAGS (OR OTHER APPROVED MARKING APPROVED BY THE ENGINEER) FOR LOCATING SEED AREAS, PLANTINGS (I.E. SHRUBS, TREES) AND FIXED LANDSCAPE FEATURES. FLAGGING FOR PLANTINGS SHALL BE MARKED WITH THE COMMON NAME OF PLANTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL LANDSCAPING AND THE OUTLINING OF EACH AREA FOR MASS OR INDIVIDUAL PLANTING. THE ENGINEER WILL APPROVE THE LAYOUT OF ALL LANDSCAPING. WHERE SEEDLINGS ARE TO BE PLANTED THE PLANTING AREAS SHALL BE STEEL POSTS AS DESCRIBED IN ARTICLE 1081.13 AND DETAILED IN THE PLANS. LAYOUT FOR PLANTINGS AND OTHER LANDSCAPE FEATURES WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTION LAYOUT.

EARTHWORK AND ROADWAY

1. 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.

2. 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 0.02-0.05 GALLONS PER SQUARE YARD FOR HMA BASES. THIS ITEM WILL BE PAID FOR SEPARATELY AS BITUMINOUS MATERIALS (PRIME COAT).

3. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION:
   ITEM NO. 21001000 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 AGGREGATE SUBGRADE IMPROVEMENT. THE QUANTITY INCLUDED IN THE PLANS IS BASED ON THE SUBSURFACE INVESTIGATION PREPARED BY TESTING SERVICE CORPORATION RECOMMENDATIONS FOR UNDERCUT AREAS.

4. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.

5. PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

REMOVAL NOTES

1. SAW CUTS:
   ALL LOCATIONS WHERE A SAW CUT IS REQUIRED FOR THE REMOVAL OF PAVEMENT, CURB, GUTTER, MEDIANS, DRIVEWAYS, SIDEWALK, BUTT JOINTS, PATCHES OR ANY OTHER STRUCTURE WHICH ARE ALL ONE PIECE WITH NO CONSTRUCTION JOINTS. THIS 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. SAW CUTTING SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT CONTRACT PRICE OF THE RELATED REMOVAL ITEM.

ROADWAY SIGNAGE

KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL REGULATORY, WARNING AND RECREATION SIGNS ALONG ALLEN ROAD FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH THE ENGINEER. THE SIGNS HAVE BEEN INCLUDED IN THE PLANS FOR GENERAL REFERENCE. SIGNS NOTED ON THE PLANS FOR RELOCATION ARE INTENDED TO BE COMPLETED BY THE CONTRACTOR. SIGNS NOTED FOR RELOCATION WILL BE MEASURED SEPARATELY FOR PAYMENT AS RELOCATE SIGN PANEL ASSEMBLY, TYPE A.

USGS CREST STAGE MONITORING GUAGE

THERE IS A KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT CREST STAGE GAUGE ATTACHED TO THE EXISTING BRIDGE STRUCTURE. THERE HAS BEEN COORDINATION DURING THE PHASE I PRELIMINARY ENGINEERING WITH THE KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT AND IT WAS DETERMINED THAT THE FOLLOWING ACTIONS BE TAKEN DURING CONSTRUCTION OF THIS PROJECT.

1. NO ADVANCED NOTICE WILL BE REQUIRED BEFORE REMOVING THE CREST STAGE GAUGE.
2. THE CONTRACTOR SHALL REMOVE AND SALVAGE THE CREST STAGE GAUGE.
3. AN E-MAIL TO THE KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT IS REQUIRED ONCE IT IS REMOVED.
4. THE CONTRACTOR SHALL SURVEY THE GAUGE, REINSTALL THE GAUGE, AND NOTIFY KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT BY E-MAIL ONCE THE GAUGE HAS BEEN REINSTALLED.

THERE WILL BE NO COMPENSATION FOR THIS COORDINATION, REMOVAL AND REINSTALLATION OF THE CREST STAGE GAUGE.

PERMENANT SURVEY MARKER

THERE IS A KANE COUNTY SURVEY MARKER THAT WILL BE REMOVED AS PART OF THE CONSTRUCTION OPERATIONS. A PROPOSED PERMANENT SURVEY MARKER SHALL BE CONSTRUCTED AND SHALL BE A TYPE II PER STD. 667001 AND SHALL BE CAST-IN-PLACE. THE MARKER SHALL BE PLACED IN UNDISTURBED GROUND AT OR NEAR STA. 101+45.00, 52' LT. THE FINAL LOCATION SHALL BE APPROVED BY THE ENGINEER.

THE FINAL ELEVATION SHALL BE FIELD DETERMINED AFTER THE PERMANENT MARKER IS SET AND CONCRETE CURED.

THE KANE COUNTY SURVEY MARKER WILL SET UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR IN THE STATE OF ILLINOIS.

THE SURVEY MARKER WILL BE ESTABLISHED WITH A "FIRST ORDER" HORIZONTAL CONTROL ACCURACY AND A "SECOND ORDER" ACCURACY FOR THE VERTICAL CONTROL.

ALL SURVEY NOTES WILL BE PROVIDED TO THE KANE COUNTY DIVISION OF TRANSPORTATION AFTER THE WORK IS COMPLETED.

ALL WORK TO SUPPLY AND ESTABLISH THE SURVEY MARKER WILL BE PAID FOR AS "PERMANENT SURVEY MARKER, TYPE II.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THE EXISTING BRIDGE PLANS HAVE BEEN INCLUDED IN THIS PLAN SET AND ARE "FOR REFERENCE ONLY".

DEMOLITION PLAN

HAMPSHIRE CREEK IS CONSIDERED WATERS OF THE U.S. OR "PUBLIC WATERS". THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DEMOLITION PLAN IN ACCORDANCE WITH ARTICLE 501.02 TO THE ENGINEER FOR APPROVAL. PREPARATION OF THE DEMOLITION PLAN WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL OF THE EXISTING BRIDGE STRUCTURE.

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-04	INLET - TYPE A
604001-04	FRAME AND LIDS TYPE 1
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATION 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATION 2L, 2W, 4.5 M 15' TO 24" FROM PAVEMENT EDGE
701011-04	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
701901-04	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
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-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-26	DRIVEWAY ENTRANCE SIGNING

SURVEY DATUM

THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL 20% STATE		
						ROADWAY 0004 NON-URBAN	CULVERT 0011 NON-URBAN	TRAINEES 0042 NON-URBAN
		20101000	TEMPORARY FENCE	FOOT	164	164		
	S	20200100	EARTH EXCAVATION	CU YD	1,530	1,530		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	575	575		
		20300100	CHANNEL EXCAVATION	CU YD	315	315		
		20400800	FURNISHED EXCAVATION	CU YD	5,090	5,090		
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	210.4		210.4	
		20800150	TRENCH BACKFILL	CU YD	3.8	3.8		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,725	1,725		
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,295	2,295		
•		25000210	SEEDING, CLASS 2A	ACRE	1.5	1.5		
•		25000310	SEEDING, CLASS 4	ACRE	1	1		
•		25000320	SEEDING, CLASS 5	ACRE	1	1		
•		25100125	MULCH, METHOD 3	ACRE	2.3	2.3		
•		25100630	EROSION CONTROL BLANKET	SQ YD	11,104	11,104		
•		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	689	689		
•		28000305	TEMPORARY DITCH CHECKS	FOOT	340	340		
•		28000315	AGGREGATE DITCH CHECKS	TON	3.2	3.2		
•		28000400	PERIMETER EROSION BARRIER	FOOT	4,261	4,261		
•		28000500	INLET AND PIPE PROTECTION	EACH	3	3		
		28100105	STONE RIPRAP, CLASS A3	SQ YD	7	7		
		28100109	STONE RIPRAP, CLASS A5	SQ YD	666	534	132	
		28200200	FILTER FABRIC	SQ YD	673	541	132	
	S	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	575	575		
	S	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	8,615	8,615		
		31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	259	259		
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	167	167		
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	23,425	23,425		
		40701846	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"	SQ YD	5,075	5,075		
		44000100	PAVEMENT REMOVAL	SQ YD	5,250	5,250		
		48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2,916	2,916		
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
		50105220	PIPE CULVERT REMOVAL	FOOT	31	31		

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL 20% STATE ROADWAY 0004 NON-URBAN	CULVERT 0011 NON-URBAN	TRAINEES 0042 NON-URBAN
		50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	113		113	
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	47,100		47,100	
		51500100	NAME PLATES	EACH	1		1	
		54003000	CONCRETE BOX CULVERTS	CU YD	157.6		157.6	
	S	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
		542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	40	40		
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1		
		60100945	PIPE DRAINS 12"	FOOT	100	100		
		60107600	PIPE UNDERDRAINS 4"	FOOT	564	564		
		60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
•		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,887.5	1,887.5		
•		63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	33	33		
•		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3		
		63200310	GUARDRAIL REMOVAL	FOOT	954	954		
		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	14	14		
•		66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1		
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4		
		67100100	MOBILIZATION	L SUM	1	1		
•		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6,569	6,569		
•		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,126	1,126		
•	S	78200410	GUARDRAIL MARKERS, TYPE A	EACH	22	22		
•		78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3		
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	97	97		
•	S	X0323017	TEMPORARY INFORMATIONAL SIGNS	EACH	2	2		
	S	X0326806	WASHOUT BASIN	L SUM	1	1		
	S	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100		
•	S	X2500500	INTERSEEDING, CLASS 4 (SPECIAL)	ACRE	0.25	0.25		
	S	X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	1	1		
	S	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	8,314		8,314	
	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
	S	X7010237	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL DA	28	28		
•	S	X7810300	RECESSED REFLECTIVE PAVMENT MARKER	EACH	104	104		

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL 20% STATE ROADWAY 0004 NON-URBAN	CULVERT 0011 NON-URBAN	TRAINEES 0042 NON-URBAN
	S	Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	152	152		
	S	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	100	100		
•	S	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
	S	Z0076600	TRAINEES	HOUR	500			500
	S	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\SOQ.03.dgn

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

USER NAME = bpottorff	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:1	CHECKED -	REVISED -	
PLOT DATE = 6/1/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	5

CONTRACT NO.

ILLINOIS FED. AID PROJECT

EARTHWORK SCHEDULE

	EARTHWORK				TOPSOIL			SUBGRADE IMPROVEMENT		
	20200100		20400800	20300100	21101505			20201200	30300001	21001000
LOCATION	EARTH EXCAVATION	EMBANKMENT	FURNISHED EXCAVATION BALANCE WASTE (+) or SHORTAGE (-)	CHANNEL EXCAVATION	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE(+) OR SHORTAGE (-) (NO SHRINKAGE)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
ALLEN ROAD	1530.0	6385.0	5090.0	315.0	2295.0	1385.0	910.0	375.0	375.0	1125.0
R.E. DESCRETION								200.0	200.0	600.0
SUB-TOTAL	1530.0	6385.0	5090.0	315.0	2295.0	1385.0	+910.0	575.0	575.0	1725.0
TOTAL	1530.0		5090.0	315.0	2295.0			575.0	575.0	1725.0

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.

NO SHRINKAGE FACTOR WAS APPLIED WHEN CALCULATING TOPSOIL QUANTITIES.

RECOMMENDATIONS OUTLINED IN THE STRUCTURE GEOTECHNICAL REPORT - CULVERT PREPARED BY TESTING SERVICE CORPORATION DATED JULY 8, 2013 AND ADDITIONAL CLEAN SOIL DISPOSAL ASSESSMENT AND GEOTECHNICAL INVESTIGATION REPORT - STEEL SHEET PILE WALL PREPARED BY WANG ENGINEERING DATED JUNE 19, 2014 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED QUANTITY CALCULATIONS.

UNDERCUT RECOMMENDATIONS OUTLINED IN AN ADDENDUM TO THE GEOTECHNICAL REPORT PREPARED BY WANG ENGINEERING ON AUGUST 8, 2014 WERE USED TO DETERMINE THE QUANTITY FOR REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL.

SIX (6) INCHES OF TOPSOIL WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.

TOPSOIL STRIPPING WILL MEASURED FOR PAYMENT AS TOPSOIL EXCAVATION AND PLACEMENT.

UNDERCUTS WILL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL". AFTER TOPSOIL STRIPPING AND VEGETATION CLEARING ARE COMPLETE AND PRIOR TO UNDERCUTTING, THE SUBGRADE WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACCORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.

TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIREMENTS 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, 200 CY OF ADDITIONAL AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS ARE DETERMINED TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI 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 PROOF ROLL USING FULL LOAD SEMI OR EQUIPMENT APPROVED BY ENGINEER). 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 AND TOPSOIL 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.

TOPSOIL EXCAVATION AND PLACEMENT INCLUDES EXCAVATION, TRANSPORTING, AND TEMPORARILY STOCKPILING, TRANSPORTING FROM THE STOCKPILE AND PLACING THE TOPSOIL TO THE THICKNESS SPECIFIED IN ITS FINAL POSITION.

EARTHWORK SCHEDULE

LOCATION	END AREAS					TOPSOIL			EARTHWORK				SUBGRADE IMPROVEMENT		
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (C)	EMBANKMENT (F)	UNDERCUT	21101505 TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE(+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100 EARTH EXCAVATION	EMBANKMENT	20400800 BALANCE WASTE (+) or SHORTAGE (-)	20300100 CHANNEL EXCAVATION	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	30300001 AGGREGATE SUBGRADE IMPROVEMENT	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
MAINLINE															
85+50.00															
85+70.00	5.8	4.2	4.4	2.4		2.2	1.6	0.6	1.6	0.9	0.5				
86+00.00	7.7	4.3	9.2	3.7		7.5	4.8	2.8	7.5	3.4	3.0				
86+50.00	9.6	4.3	9.3	1.3		16.0	8.0	8.1	17.1	4.7	9.9				
87+00.00	15.1	7.3	34.1	5.6		22.9	10.7	12.2	40.1	6.4	27.7				
87+50.00	16.7	8.5	33.0	5.2		29.4	14.6	14.8	62.1	10.0	42.8				
88+00.00	19.2	10.2	29.7	6.4		33.2	17.4	15.8	58.1	10.8	38.6				
88+50.00	23.3	13.5	19.9	12.5		39.4	22.0	17.4	45.9	17.5	21.5				
89+00.00	21.6	12.4	5.3	17.8		41.7	24.0	17.7	23.4	28.0	-8.2				
89+50.00	22.4	12.9	2.1	34.9		40.8	23.5	17.3	6.9	48.8	-42.9				
90+00.00	24.1	13.9	1.0	59.2		43.0	24.9	18.2	2.8	87.1	-84.7				
90+50.00	26.2	15.6	0.3	84.3		46.6	27.4	19.3	1.2	132.9	-131.9				
91+00.00	25.3	15.6	0.1	105.0		47.8	28.9	18.9	0.4	175.3	-174.9				
91+50.00	26.7	9.8		125.9		48.2	23.5	24.7	0.1	213.8	-213.7				
92+00.00	19.2	10.8		116.3		42.5	19.1	23.4		224.3	-224.3				
92+50.00	19.0	8.5		116.5		35.3	17.9	17.5		215.6	-215.6				
93+00.00	18.9	9.4		124.5		35.1	16.6	18.6		223.2	-223.2				
93+50.00	20.7	10.3		134.3		36.8	18.3	18.4		239.6	-239.6				
94+00.00	21.1	10.7		142.0		38.7	19.5	19.3		255.8	-255.8				
94+50.00	21.2	10.8		145.4		39.1	19.9	19.2		266.1	-266.1				
95+00.00	20.9	10.7		144.5		38.9	19.9	19.0		268.4	-268.4				
95+50.00	21.4	10.8		140.8		39.1	19.8	19.3		264.2	-264.2				
96+00.00	23.4	10.8		126.6		41.5	20.0	21.5		247.6	-247.6				
96+44.47	20.6	6.8		116.9		36.2	14.5	21.7		200.5	-200.5				
96+50.00	13.1	6.4		94.5		3.5	1.4	2.1		21.7	-21.7				
96+56.21	12.9	6.0		81.8		3.0	1.4	1.6		20.3	-20.3				
96+77.47	63.0	20.9	51.7	155.3		29.9	10.6	19.3	20.4	93.4	-76.0				
96+97.10	31.1	23.4	52.3	96.6		34.2	16.1	18.1	37.8	91.6	-59.4				
97+00.00	31.0	23.4	51.3	97.2		3.3	2.5	0.8	5.6	10.4	-5.7				
97+27.39	42.3	23.8	42.8	152.2		37.2	23.9	13.2	47.7	126.5	-85.9				
97+50.00	47.5	29.5	41.6	140.6		37.6	22.3	15.2	35.3	122.6	-92.6				
98+00.00	52.6	35.0	51.9	150.3		92.7	59.7	32.9	86.6	269.3	-195.7				
98+50.00	51.1	34.1	51.1	158.7		96.0	64.0	32.0	95.4	286.0	-205.0				
99+00.00	48.1	31.8	46.3	146.4		91.9	61.0	30.9	90.2	282.5	-205.9				
99+50.00	51.7	37.3	48.4	136.1		92.5	64.0	28.5	87.7	261.6	-187.1				
100+00.00	52.0	37.3	57.6	120.2		96.0	69.1	26.9	98.1	237.3	-153.9				
100+50.00	51.7	36.7	55.5	113.4		96.0	68.5	27.5	104.7	216.4	-127.4				
101+00.00	49.4	18.6	29.9	106.9		93.6	51.2	42.4	79.1	204.0	-136.8				
101+50.00	49.0	33.9	43.6	101.4	22.3	91.1	48.6	42.5	68.1	192.8	-135.0		20.6	20.6	61.8
102+00.00	45.7	31.5	33.4	91.2	22.7	87.7	60.5	27.2	71.3	178.3	-117.7		41.6	41.6	124.7
102+50.00	38.7	26.6	14.0	76.2	23.4	78.2	53.8	24.4	43.9	155.1	-117.7		42.7	42.7	128.0
103+00.00	35.0	24.3	9.8	58.4	27.0	68.2	47.1	21.1	22.1	124.6	-105.9		46.7	46.7	140.2
103+50.00	33.7	22.7	8.3	43.7	30.4	63.6	43.6	20.0	16.8	94.5	-80.3		53.2	53.2	159.6
104+00.00	31.4	21.3	15.0	33.0	37.0	60.3	40.8	19.6	21.6	71.0	-52.6		62.4	62.4	187.1
104+50.00	29.6	20.0	23.0	26.6	39.7	56.5	38.2	18.2	35.2	55.1	-25.2		71.0	71.0	213.1
105+00.00	28.2	19.0	27.9	21.1		53.5	36.1	17.4	47.1	44.2	-4.1		36.8	36.8	110.4
105+50.00	26.7	17.6	31.3	17.5		50.9	33.9	17.0	54.9	35.7	10.9				
106+00.00	25.1	16.4	32.4	15.2		48.0	31.5	16.5	59.1	30.2	20.0				
106+50.00						23.3	15.2	8.1	30.0	14.1	11.5				
CHANNEL															
228+00.00															
228+25.00			3.0									1.4			
228+50.00			54.0									26.4			
228+66.13			49.0									30.8			
228+87.27												19.2			
OMIT CULVERT															
229+46.16															
229+67.61			104.9									41.7			
230+00.00			56.7									96.9			
230+25.00			51.5									50.1			
230+50.00			18.5									32.4			
230+75.00			4.5									10.6			
231+00.00												2.1			
SHRINKAGE FACTOR			**15%**		**TOTAL**	2,290.4	1,381.4	909.0	1,525.8	6,384.1	-5,087.2	311.5	375.0	375.0	1,124.9
					ADJ. TOTAL	**2,295.0**	**1,385.0**	**910.0**	**1,530.0**	**6,385.0**	**-5,090.0**	**315.0**	**375.0**	**375.0**	**1,125.0**

FILE NAME = W:\Projects\2013\138140 AllenRdPhil\cadd\Civil\Dgn\Sht\SCHEDULE.02.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:1	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	7

CONTRACT NO.

ILLINOIS FED. AID PROJECT

GUARDRAIL AND PAVEMENT MARKINGS SCHEDULE

LOCATION	63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	63000025 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (FOOT)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (FOOT)	78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (FOOT)	78200410 GUARDRAIL MARKERS, TYPE A (EACH)	78201000 TERMINAL MARKER - DIRECT APPLIED (EACH)	X7810300 RECESSED REFLECTIVE PAVMENT MARKER (EACH)
MAINLINE								
85+50.00 - 86+00.00	31.7			120.0		1.0		
86+00.00 - 86+50.00	50.0			200.0				
86+50.00 - 87+00.00	50.0			200.0				2.0
87+00.00 - 87+50.00	50.0			200.0				2.0
87+50.00 - 88+00.00	50.0			200.0				4.0
88+00.00 - 88+50.00	50.0			200.0		1.0		2.0
88+50.00 - 89+00.00	50.0			200.0				2.0
89+00.00 - 89+50.00	50.0			200.0		1.0		2.0
89+50.00 - 90+00.00	50.0			200.0				4.0
90+00.00 - 90+50.00	50.0			200.0				2.0
90+50.00 - 91+00.00	50.0			200.0				2.0
91+00.00 - 91+50.00	50.0			200.0		1.0		4.0
91+50.00 - 92+00.00	50.0			200.0				2.0
92+00.00 92+50.00	50.0			200.0				2.0
92+50.00 - 93+00.00	50.0		1.0	200.0		1.0	1.0	5.0
93+00.00 - 93+50.00	100.0			125.0	75.0	1.0		7.0
93+50.00 - 94+00.00	100.3			100.0	100.0	2.0		8.0
94+00.00 - 94+50.00	100.3			100.0	100.0	1.0		5.0
94+50.00 - 95+00.00	100.3			100.0	100.0	1.0		7.0
95+00.00 - 95+50.00	100.3			100.0	100.0	2.0		5.0
95+50.00 - 96+00.00	100.3			100.0	100.0	2.0		8.0
96+00.00 - 96+50.00	100.3			100.0	100.0	1.0		5.0
96+50.00 - 97+00.00	68.8	33.0		100.0	100.0	1.0		6.0
97+00.00 - 97+50.00	100.3			100.0	100.0	2.0		6.0
97+50.00 - 98+00.00	100.3			100.0	100.0	1.0		8.0
98+00.00 - 98+50.00	99.7			100.0	100.0	2.0		3.0
98+50.00 - 99+00.00	84.6			86.0	51.0	1.0		1.0
99+00.00 - 99+50.00			2.0	162.5			2.0	
99+50.00 - 100+00.00				162.5				
100+00.00 - 100+50.00				162.5				
100+50.00 - 101+00.00				162.5				
101+00.00 - 101+50.00				162.5				
101+50.00 - 102+00.00				162.5				
102+00.00 - 102+50.00				162.5				
102+50.00 - 103+00.00				162.5				
103+00.00 - 103+50.00				162.5				
103+50.00 - 104+00.00				162.5				
104+00.00 - 104+50.00				162.5				
104+50.00 - 105+00.00				162.5				
105+00.00 - 105+50.00				162.5				
105+50.00 - 106+00.00				162.5				
106+00.00 - 106+50.00				162.5				
TOTAL	1887.5	33.0	3.0	6568.5	1126.0	22.0	3.0	104.0
ADJUSTED TOTAL	**1,887.5**	**33.0**	**3.0**	**6,569.0**	**1,126.0**	**22.0**	**3.0**	**104.0**

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\SCHEDULE.02.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:1	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 3 OF 6 SHEETS | STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	8

CONTRACT NO.

ILLINOIS FED. AID PROJECT

REMOVAL SCHEDULE

LOCATION	44000100 PAVEMENT REMOVAL (SQ YD)	50105220 PIPE CULVERT REMOVAL (FOOT)	63200310 GUARDRAIL REMOVAL (FOOT)	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)
MAINLINE				
85+50.00 - 86+00.00	1.67		30.20	
86+00.00 - 86+50.00	2.78		11.32	
86+50.00 - 87+00.00	2.78			
87+00.00 - 87+50.00	139.58			2.00
87+50.00 - 88+00.00	140.19			2.00
88+00.00 - 88+50.00	139.43			4.00
88+50.00 - 89+00.00	139.96			2.00
89+00.00 - 89+50.00	141.48			2.00
89+50.00 - 90+00.00	141.32			2.00
90+00.00 - 90+50.00	140.85			4.00
90+50.00 - 91+00.00	140.39			2.00
91+00.00 - 91+50.00	139.52			2.00
91+50.00 - 92+00.00	139.66			2.00
92+00.00 92+50.00	140.21			4.00
92+50.00 - 93+00.00	139.94			2.00
93+00.00 - 93+50.00	141.53			2.00
93+50.00 - 94+00.00	142.07			4.00
94+00.00 - 94+50.00	140.26		15.53	8.00
94+50.00 - 95+00.00	138.93		55.30	6.00
95+00.00 - 95+50.00	138.17		99.85	6.00
95+50.00 - 96+00.00	137.19		100.21	5.00
96+00.00 - 96+50.00	139.14		100.30	9.00
96+50.00 - 97+00.00	68.92		100.04	5.00
97+00.00 - 97+50.00	129.67		100.03	6.00
97+50.00 - 98+00.00	141.70		99.93	5.00
98+00.00 - 98+50.00	139.55		99.60	8.00
98+50.00 - 99+00.00	140.30		98.05	3.00
99+00.00 - 99+50.00	141.16		43.20	
99+50.00 - 100+00.00	141.70			
100+00.00 - 100+50.00	142.02	10.00		
100+50.00 - 101+00.00	141.13	21.00		
101+00.00 - 101+50.00	139.78			
101+50.00 - 102+00.00	139.32			
102+00.00 - 102+50.00	139.11			
102+50.00 - 103+00.00	138.18			
103+00.00 - 103+50.00	138.53			
103+50.00 - 104+00.00	138.60			
104+00.00 - 104+50.00	149.06			
104+50.00 - 105+00.00	137.88			
105+00.00 - 105+50.00	138.11			
105+50.00 - 106+00.00	138.06			
106+00.00 - 106+50.00				
TOTAL	5,242.60	31.00	953.56	97.00
ADJUSTED TOTAL	**5250.0**	**31.0**	**954.0**	**97.0**

PAVEMENT SCHEDULE

LOCATION	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)	31101100 SUBBASE GRANULAR MATERIAL, TYPE B (CU YD)	31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4" (SQ YD)	40600275 BITUMINOUS MATERIALS (PRIME COAT) (POUND)	40701846 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4" (SQ YD)	48203029 HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	Z0004538 HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10" (SQ YD)
MAINLINE							
85+50.00 - 86+00.00	29.32			76.53		23.45	
86+00.00 - 86+50.00	52.78			138.75		44.44	
86+50.00 - 87+00.00	52.78			138.75		44.44	
87+00.00 - 87+50.00	221.49	5.19		590.54	136.00	68.82	
87+50.00 - 88+00.00	222.22	5.19		592.50	133.34	72.22	
88+00.00 - 88+50.00	222.22	5.19		592.50	133.34	72.22	
88+50.00 - 89+00.00	222.22	5.19		592.50	133.34	72.22	
89+00.00 - 89+50.00	222.22	5.19		592.50	133.34	72.22	
89+50.00 - 90+00.00	222.22	5.19		592.50	133.34	72.22	
90+00.00 - 90+50.00	222.22	5.19		592.50	133.34	72.22	
90+50.00 - 91+00.00	222.22	5.19		592.50	133.34	72.22	
91+00.00 - 91+50.00	205.56	5.19		592.61	133.34	72.33	
91+50.00 - 92+00.00	205.56	7.94		595.00	133.34	77.78	
92+00.00 92+50.00	218.32	7.94		612.16	133.34	84.00	
92+50.00 - 93+00.00	244.44	9.48		647.50	133.34	97.22	
93+00.00 - 93+50.00	242.62	9.48		640.58	133.34	95.31	
93+50.00 - 94+00.00	242.46	9.48		639.12	133.34	94.59	
94+00.00 - 94+50.00	242.98	9.48		639.74	133.34	94.26	
94+50.00 - 95+00.00	243.12	9.48		640.10	133.34	94.26	
95+00.00 - 95+50.00	243.12	9.48		639.90	133.34	94.26	
95+50.00 - 96+00.00	242.98	9.48		639.74	133.34	94.26	
96+00.00 - 96+50.00	243.06	9.48		646.81	133.34	93.11	
96+50.00 - 97+00.00	243.06	9.48		637.50	133.34	88.89	
97+00.00 - 97+50.00	243.06	9.48		637.50	133.34	88.89	
97+50.00 - 98+00.00	243.06	9.48		637.50	133.34	88.89	
98+00.00 - 98+50.00	243.06	9.48		637.50	133.34	88.89	
98+50.00 - 99+00.00	241.56	9.48		638.77	133.11	89.64	
99+00.00 - 99+50.00	245.86	5.19		657.21	133.34	96.05	
99+50.00 - 100+00.00	205.98	5.19		549.55	133.34	56.41	
100+00.00 - 100+50.00	205.56	5.19		547.50	133.34	55.56	
100+50.00 - 101+00.00	205.56	5.19		543.63	133.34	46.94	
101+00.00 - 101+50.00	205.56	5.19		541.13	133.34	41.39	
101+50.00 - 102+00.00	205.56	5.19		547.50	133.34	55.56	
102+00.00 - 102+50.00	205.56	5.19		547.50	133.34	55.56	
102+50.00 - 103+00.00	205.56	5.19		547.50	133.34	55.56	
103+00.00 - 103+50.00	205.56	5.19		547.50	133.34	55.56	
103+50.00 - 104+00.00	205.56	5.19		547.50	133.34	55.56	
104+00.00 - 104+50.00	205.56	5.19		547.50	133.34	55.56	
104+50.00 - 105+00.00	205.56	5.19		547.50	133.34	55.56	
105+00.00 - 105+50.00	205.56	5.19		547.50	133.34	55.56	
105+50.00 - 106+00.00	201.96	5.19		542.90	138.11	50.97	
106+00.00 - 106+50.00							
ENTRANCES							
101+50.00			166.18	448.69			151.7
TOTAL	8614.89	258.49	166.18	23424.71	5074.12	2915.07	151.67
ADJUSTED TOTAL	**8615.0**	**259.0**	**167.0**	**23425.0**	**5075.0**	**2916.0**	**152.0**

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

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	9

CONTRACT NO.

ILLINOIS FED. AID PROJECT

LANDSCAPING SCHEDULE

LOCATION	25000210 SEEDING, CLASS 2A	25000310 SEEDING, CLASS 4	25000320 SEEDING, CLASS 5	X2500500 INTERSEEDING, CLASS 4 (SPECIAL)
	(ACRE)	(ACRE)	(ACRE)	(ACRE)
MAINLINE				
85+50.00 - 86+00.00		0.006	0.006	0.007
86+00.00 - 86+50.00	0.014	0.011	0.011	0.022
86+50.00 - 87+00.00	0.027	0.007	0.007	0.016
87+00.00 - 87+50.00	0.025	0.004	0.004	0.016
87+50.00 - 88+00.00	0.025	0.007	0.007	0.009
88+00.00 - 88+50.00	0.025	0.011	0.011	0.019
88+50.00 - 89+00.00	0.025	0.011	0.011	0.004
89+00.00 - 89+50.00	0.025	0.009	0.009	0.008
89+50.00 - 90+00.00	0.025	0.010	0.010	0.006
90+00.00 - 90+50.00	0.031	0.011	0.011	
90+50.00 - 91+00.00	0.031	0.013	0.013	0.011
91+00.00 - 91+50.00	0.031	0.014	0.014	0.010
91+50.00 - 92+00.00	0.031	0.007	0.007	0.003
92+00.00 92+50.00	0.024	0.009	0.009	0.005
92+50.00 - 93+00.00		0.030	0.030	0.004
93+00.00 - 93+50.00		0.032	0.032	0.003
93+50.00 - 94+00.00		0.032	0.032	0.004
94+00.00 - 94+50.00		0.032	0.032	0.007
94+50.00 - 95+00.00		0.032	0.032	0.010
95+00.00 - 95+50.00		0.033	0.033	0.013
95+50.00 - 96+00.00		0.046	0.046	0.001
96+00.00 - 96+50.00		0.037	0.037	
96+50.00 - 97+00.00		0.060	0.060	
97+00.00 - 97+50.00		0.085	0.085	
97+50.00 - 98+00.00		0.141	0.141	
98+00.00 - 98+50.00		0.106	0.106	
98+50.00 - 99+00.00		0.089	0.089	
99+00.00 - 99+50.00	0.008	0.080	0.080	
99+50.00 - 100+00.00	0.096			
100+00.00 - 100+50.00	0.096			
100+50.00 - 101+00.00	0.086			
101+00.00 - 101+50.00	0.076			
101+50.00 - 102+00.00	0.091			
102+00.00 - 102+50.00	0.079			
102+50.00 - 103+00.00	0.068			
103+00.00 - 103+50.00	0.062			
103+50.00 - 104+00.00	0.062			
104+00.00 - 104+50.00	0.056			
104+50.00 - 105+00.00	0.051			
105+00.00 - 105+50.00	0.051			
105+50.00 - 106+00.00	0.051			
106+00.00 - 106+50.00	0.055			
MAINTENANCE				
TOTAL	1.327	0.965	0.965	0.178
ADJUSTED TOTAL	**1.50**	**1.00**	**1.00**	**0.25**

EROSION CONTROL SCHEDULE

LOCATION	25100125 MULCH, METHOD 3	25100630 EROSION CONTROL BLANKET	28000250 TEMPORARY EROSION CONTROL SEEDING	28000305 TEMPORARY DITCH CHECKS	28000315 AGGREGATE DITCH CHECK	28000400 PERIMETER EROSION BARRIER	28000500 INLET AND PIPE PROTECTION	28100105 STONE RIPRAP, CLASS A3	28100109 STONE RIPRAP, CLASS A5	28200200 FILTER FABRIC
	(ACRE)	(SQ YD)	(POUND)	(FOOT)	(TON)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)
MAINLINE										
85+50.00 - 86+00.00	0.006	27.78	1.72			34.2				
86+00.00 - 86+50.00	0.025	122.36	7.58			57.2				
86+50.00 - 87+00.00	0.034	166.21	10.30			50.2				
87+00.00 - 87+50.00	0.030	144.12	8.93	10.0		100.5				
87+50.00 - 88+00.00	0.032	153.80	9.53			101.0				
88+00.00 - 88+50.00	0.036	175.55	10.88			104.4				
88+50.00 - 89+00.00	0.036	175.79	10.90	10.0		101.5				
89+00.00 - 89+50.00	0.034	166.79	10.34			101.5				
89+50.00 - 90+00.00	0.035	169.47	10.50			100.1				
90+00.00 - 90+50.00	0.042	201.47	12.49	10.0		105.4				
90+50.00 - 91+00.00	0.044	213.05	13.21			102.5				
91+00.00 - 91+50.00	0.045	218.94	13.57			101.1				
91+50.00 - 92+00.00	0.038	185.38	11.49			101.1				
92+00.00 92+50.00	0.033	160.45	9.94			100.0				
92+50.00 - 93+00.00	0.030	147.23	9.13			100.0				
93+00.00 - 93+50.00	0.032	154.72	9.59			100.0				
93+50.00 - 94+00.00	0.032	156.30	9.69			100.0				
94+00.00 - 94+50.00	0.032	156.30	9.69			100.0				
94+50.00 - 95+00.00	0.032	156.30	9.69			100.0				
95+00.00 - 95+50.00	0.033	158.78	9.84			100.0				
95+50.00 - 96+00.00	0.046	220.57	13.67			98.6				
96+00.00 - 96+50.00	0.037	178.82	11.08			105.5		6.64	666.00	673.00
96+50.00 - 97+00.00	0.060	289.55	17.95			103.3				
97+00.00 - 97+50.00	0.085	412.45	25.57	10.0	1.34	110.6				
97+50.00 - 98+00.00	0.141	682.51	42.30	10.0	1.34	131.8				
98+00.00 - 98+50.00	0.106	511.37	31.70	40.0		175.0				
98+50.00 - 99+00.00	0.089	432.87	26.83	30.0		100.0				
99+00.00 - 99+50.00	0.088	426.15	26.41	10.0		100.0				
99+50.00 - 100+00.00	0.096	465.75	28.87	10.0		100.0				
100+00.00 - 100+50.00	0.096	466.63	28.92	20.0		100.0				
100+50.00 - 101+00.00	0.086	414.43	25.69	10.0		90.0	1.00			
101+00.00 - 101+50.00	0.076	367.79	22.80	20.0		80.0	1.00			
101+50.00 - 102+00.00	0.091	439.41	27.24	10.0		100.0				
102+00.00 - 102+50.00	0.079	383.76	23.79	40.0		100.0				
102+50.00 - 103+00.00	0.068	328.09	20.34	10.0		100.0				
103+00.00 - 103+50.00	0.062	300.02	18.60	10.0		100.0				
103+50.00 - 104+00.00	0.062	299.45	18.56	10.0		105.2				
104+00.00 - 104+50.00	0.056	271.67	16.84	10.0		100.0				
104+50.00 - 105+00.00	0.051	244.44	15.15	10.0		100.0				
105+00.00 - 105+50.00	0.051	244.44	15.15			100.0				
105+50.00 - 106+00.00	0.051	246.62	15.29	20.0		100.0				
106+00.00 - 106+50.00	0.06	265.97	16.49							
MAINTENANCE				30.0	0.50	200.0	1.00			
TOTAL	2.29	11103.55	678.95	340.00	3.18	4169.30	3.00	6.64	666.00	673.00
ADJUSTED TOTAL	**2.30**	**11104.0**	**689.0**	**340.0**	**3.2**	**4261.0**	**3.0**	**7.0**	**666.0**	**673.0**

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116 West Main Street, Suite 201
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PLOT SCALE = 1:1	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	10

CONTRACT NO.

ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

20101000 TEMPORARY FENCE

FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
64	97+20.01		73	36" TREE
100	VARIES			R.E. DESCRETION
164	TOTAL			

20800150 TRENCH BACKFILL

VOLUME (CU YD)	LOCATION STATION	LOCATION STATION	O/S	LENGTH (FT)	COMMENTS
3.8	100+88.50	101+21.50	41.9' LT	36.0	FIELD ENTRANCE
3.8	TOTAL				

54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	100+81.50	42.8		WITH GRATE - FIELD ENTRANCE
1	101+29.50	41.0		WITH GRATE - FIELD ENTRANCE
2	TOTAL			

542A0223 PIPE CULVERTS, CLASS A, TYPE 1 18"

LENGTH (FT)	LOCATION STATION	LOCATION STATION	O/S	COMMENTS
40.0	100+78.20	101+30.30	41.9' LT	FIELD ENTRANCE
40.0	TOTAL			

60100060 CONCRETE HEADWALLS FOR PIPE DRAINS

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	91+45.00	38.0		UNDERDRAIN OUTLET
1	TOTAL			

60100945 PIPE DRAINS 12"

FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
100	VARIES			R.E. DESCRETION FOR TILE REPAIR
100	TOTAL			

60235300 INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	91+45.00	22.0		UNDERDRAIN JUNCTION/CLEANOUT
2	VARIES			R.E. DESCRETION FOR TILE REPAIR
3	TOTAL			

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION	O/S	LT/RT	REMARKS
1	86+25.00	40.00	RT	
1	93+12.46	40.00	RT	PC
1	96+34.10	40.00	RT	
1	97+62.92	114.55	RT	
1	97+77.27	55.00	LT	
1	97+99.30	55.00	RT	
1	98+75.52	55.00	LT	PT
1	98+75.52	55.00	RT	PT
1	101+50.00	55.00	LT	
1	101+50.60	55.00	RT	
1	103+00.00	40.00	LT	
1	103+00.00	40.00	RT	
1	106+50.00	40.00	LT	
1	106+50.00	40.00	RT	
14	TOTAL			

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION	O/S	LT/RT	REMARKS
1	101+45.00	52.00	LT	KANE COUNTY BENCHMARK
1	TOTAL			

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116 West Main Street, Suite 201
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PLOT SCALE = 1:1	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

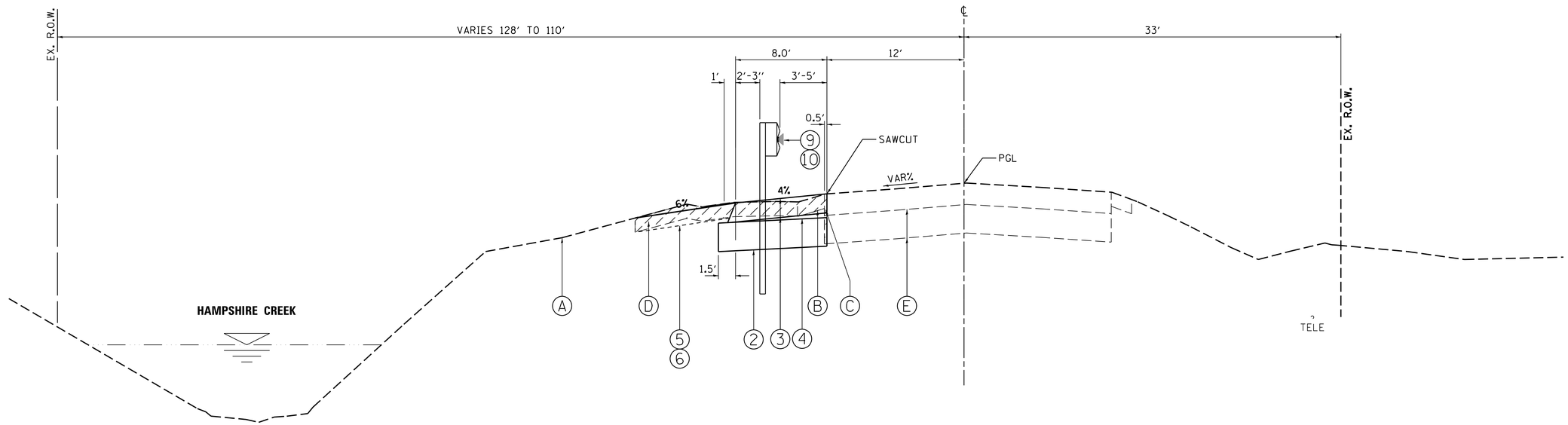
SCHEDULE OF QUANTITIES

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	11

CONTRACT NO.

ILLINOIS FED. AID PROJECT



PROPOSED TYPICAL SECTION NO. 1

STA. 85+70 TO STA. 87+00 LT, ALLEN ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (E) EXISTING GRANULAR SUB-BASE, 12"
  STA. 92+36.0 TO STA. 95+28.0
  STA. 101+59.0 TO STA. 104+61.0
  SEE NOTE 3.

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2026
PV = 4192 SU = 186 MU = 279
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 90 S = 4 M = 6
TRAFFIC FACTOR: Actual TF = 1.29 AC Type = PG64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 58-28
SUBGRADE SUPPORT RATING: SSR = (POOR)

LEGEND, PROPOSED

1. HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
   2" SURFACE COURSE, MIX "D", N50
   6-1/4" HMA BASE COURSE, IL-19.0, N50
2. AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
3. HMA SHOULDERS, 8" (48203029)
   2" SURFACE COURSE, MIX "D", N50
   6" HMA BASE COURSE, IL-19.0, N50
4. SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
5. 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
6. SEEDING W/EROSION CONTROL BLANKET
7. STRUCTURAL EMBANKMENT
   (TO BE PAID AS EARTH EXCAVATION - 20200100
   AND BALANCE AS FURNISHED EXCAVATION - 20400800)
8. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
9. GUARDRAIL MARKERS, TYPE A (78200410)
10. PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)
11. PERMANENT STEEL SHEET PILING (X5121800)
12. GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
13. AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
ALLEN ROAD - FULL DEPTH RECONSTRUCTION (8-1/4")	
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), 6-1/4" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
HMA SHOULDERS (8")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
DRIVEWAYS- F.E. (10")	
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" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.

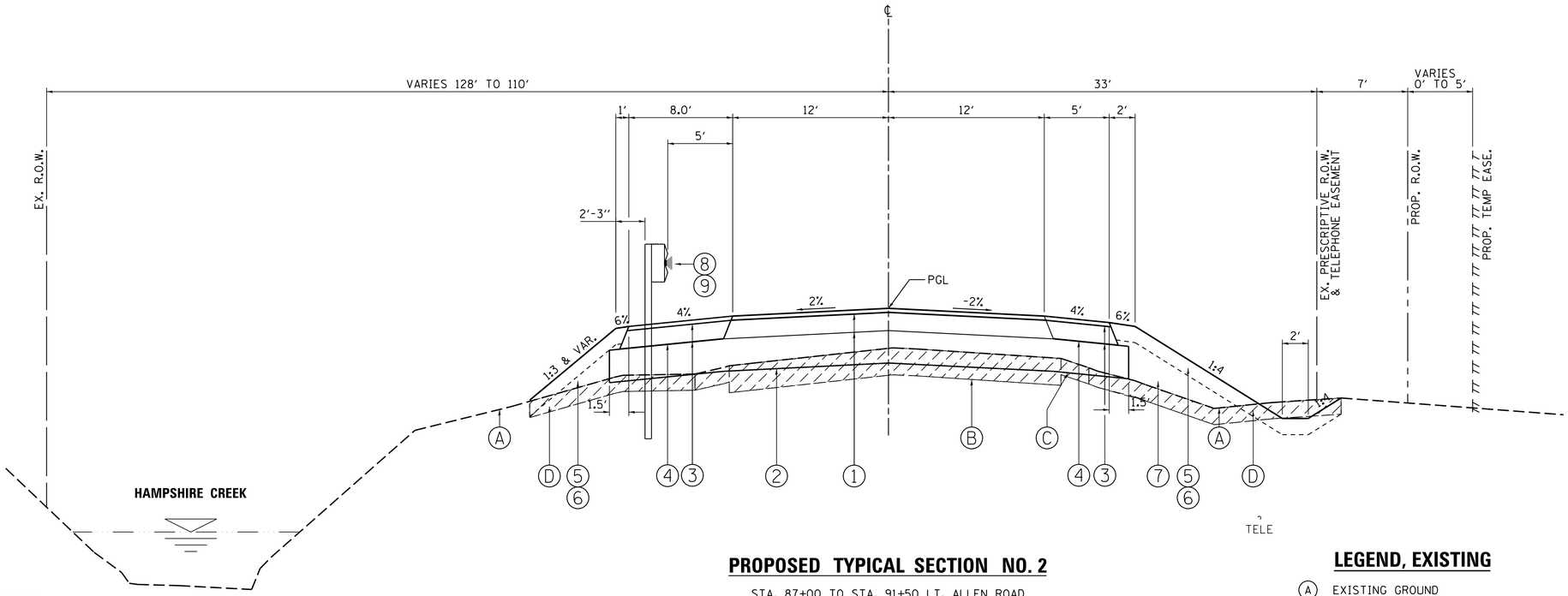
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

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.

•NUMBER OF LIFTS TO BE DETERMINED BY THE ENGINEER.

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.
3. STATION RANGES FOR LIMITS OF GRANULAR SUB-BASE HAVE BEEN APPROXIMATED BASED ON INFORMATION COLLECTED FROM THE ROADWAY SOIL BORINGS AND PROVIDED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013.



PROPOSED TYPICAL SECTION NO. 2

STA. 87+00 TO STA. 91+50 LT, ALLEN ROAD
STA. 87+00 TO STA. 92+50 RT, ALLEN ROAD

NOTE:

1. SUPERELEVATION TRANSITION IN THIS SEGMENT IS NOT DEPICTED. SEE PLAN AND PROFILE AND SUPERELVAION TABLE FOR LIMITS OF SUPERELEVATION TRANSITIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
ALLEN ROAD - FULL DEPTH RECONSTRUCTION (8-1/4")	
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), 6-1/4" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
HMA SHOULDERS (8")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
DRIVEWAYS- F.E. (10")	
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" (2-1/4" MIN. - 4" MAX.)•	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.

•NUMBER OF LIFTS TO BE DETERMINED BY THE ENGINEER.

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2026
PV = 4192 SU = 186 MU = 279
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 90 S = 4 M = 6
TRAFFIC FACTOR: Actual TF = 1.29 AC Type = PG64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 58-28
SUBGRADE SUPPORT RATING: SSR = (POOR)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.
3. STATION RANGES FOR LIMITS OF GRANULAR SUB-BASE HAVE BEEN APPROXIMATED BASED ON INFORMATION COLLECTED FROM THE ROADWAY SOIL BORINGS AND PROVIDED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013.

LEGEND, EXISTING

(A) EXISTING GROUND
(B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)
(C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
(D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
(E) EXISTING GRANULAR SUB-BASE, 12"
STA. 92+36.0 TO STA. 95+28.0
STA. 101+59.0 TO STA. 104+61.0
SEE NOTE 3.

LEGEND, PROPOSED

(1) HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50
(2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
(3) HMA SHOULDERS, 8" (48203029)
2" SURFACE COURSE, MIX "D", N50
6" HMA BASE COURSE, IL-19.0, N50
(4) SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
(5) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
(6) SEEDING W/EROSION CONTROL BLANKET
(7) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)
(8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
(9) GUARDRAIL MARKERS, TYPE A (78200410)
(10) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)
(11) PERMANENT STEEL SHEET PILING (X5121800)
(12) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
(13) AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)

FILE NAME = W:\Projects\2013\130140 AllenRdPhil\cadd\Civil\Dgn\Sht\TYP.02.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

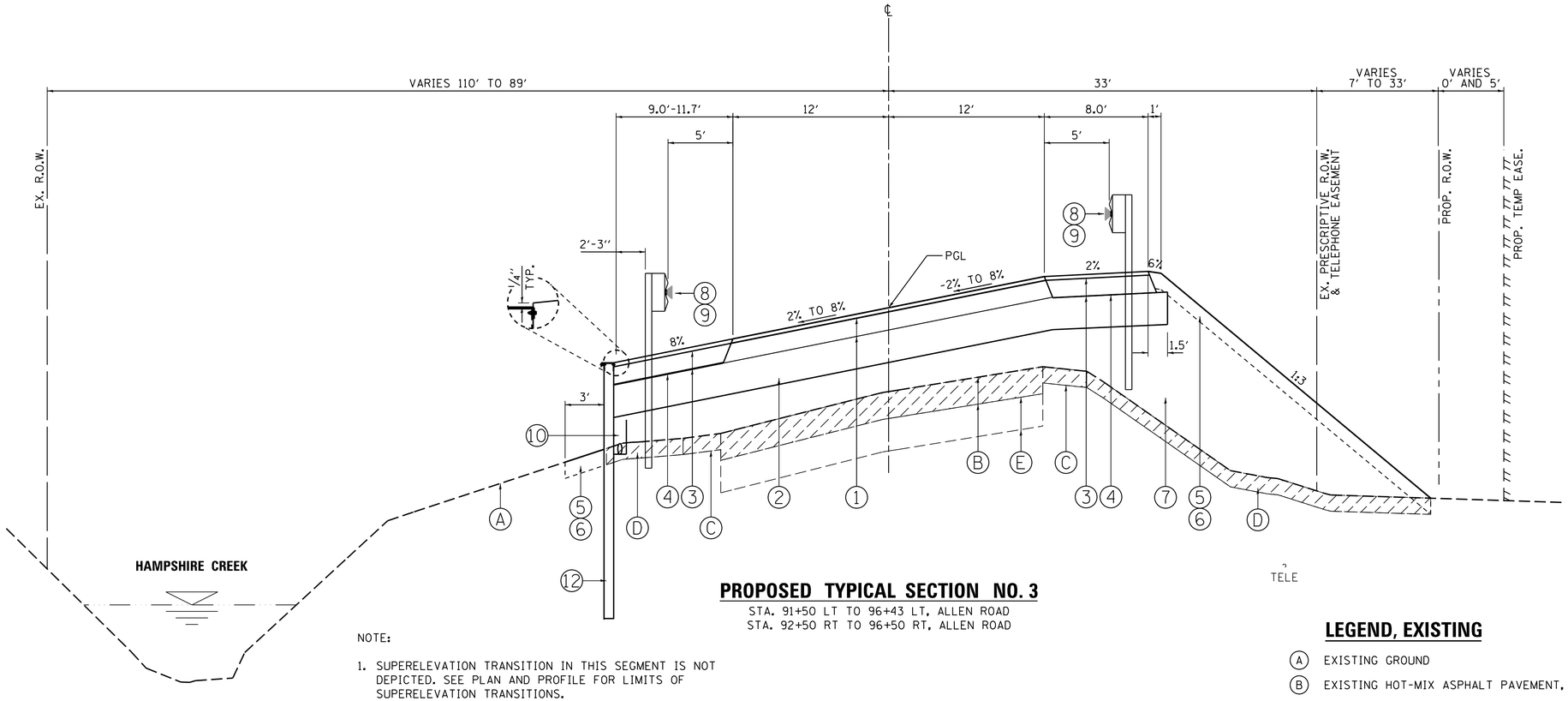
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	13

CONTRACT NO.
ILLINOIS FED. AID PROJECT



PROPOSED TYPICAL SECTION NO. 3

STA. 91+50 LT TO 96+43 LT, ALLEN ROAD
STA. 92+50 RT TO 96+50 RT, ALLEN ROAD

NOTE:

1. SUPERELEVATION TRANSITION IN THIS SEGMENT IS NOT DEPICTED. SEE PLAN AND PROFILE FOR LIMITS OF SUPERELEVATION TRANSITIONS.

LEGEND, EXISTING

(A) EXISTING GROUND

(B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)

(C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)

(D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)

(E) EXISTING GRANULAR SUB-BASE, 12"
STA. 92+36.0 TO STA. 95+28.0
STA. 101+59.0 TO STA. 104+61.0
SEE NOTE 3.

LEGEND, PROPOSED

(1) HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50

(2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)

(3) HMA SHOULDERS, 8" (48203029)
2" SURFACE COURSE, MIX "D", N50
6" HMA BASE COURSE, IL-19.0, N50

(4) SUBBASE GRANULAR MATERIAL, TYPE B (31101100)

(5) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)

(6) SEEDING W/EROSION CONTROL BLANKET

(7) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)

(8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)

(9) GUARDRAIL MARKERS, TYPE A (78200410)

(10) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)

(11) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)

(12) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)

(13) AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2026
PV = 4192 SU = 186 MU = 279
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 90 S = 4 M = 6
TRAFFIC FACTOR: Actual TF = 1.29 AC Type = PG64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 58-28
SUBGRADE SUPPORT RATING: SSR = (POOR)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013. SEE ADDITIONAL NOTE BELOW.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.

3. STATION RANGES FOR LIMITS OF GRANULAR SUB-BASE HAVE BEEN APPROXIMATED BASED ON INFORMATION COLLECTED FROM THE ROADWAY SOIL BORINGS AND PROVIDED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013.

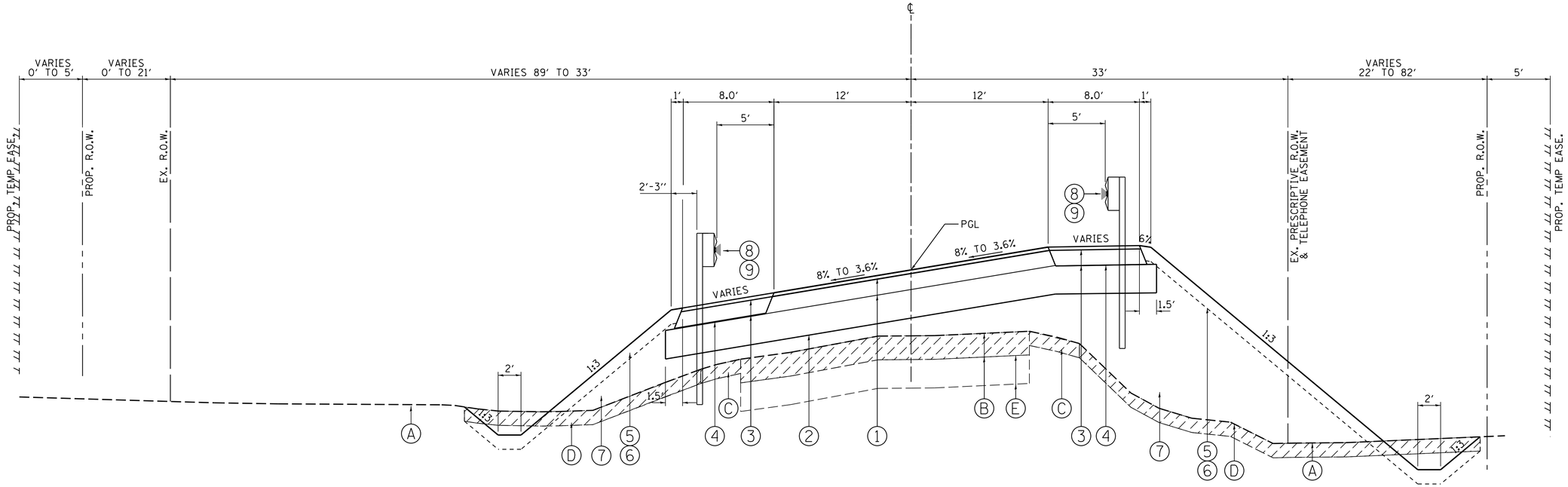
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
ALLEN ROAD - FULL DEPTH RECONSTRUCTION (8-1/4")	
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), 6-1/4" (2-1/4" MIN. - 4" MAX.)*	4% @ 50 GYR.
HMA SHOULDERS (8")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (2-1/4" MIN. - 4" MAX.)*	4% @ 50 GYR.
DRIVEWAYS- F.E. (10")	
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" (2-1/4" MIN. - 4" MAX.)*	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.

*NUMBER OF LIFTS TO BE DETERMINED BY THE ENGINEER.



PROPOSED TYPICAL SECTION NO. 4

STA. 96+43 TO STA. 99+37 LT, ALLEN ROAD
STA. 96+50 TO STA. 99+35 RT, ALLEN ROAD

NOTE:

1. SEE PLAN AND PROFILE AND SUPERELVAION TABLE FOR LIMITS OF SUPERELEVATION TRANSITIONS.
2. MAXIMUM ROLLOVER FACTOR: 6%.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
ALLEN ROAD - FULL DEPTH RECONSTRUCTION (8-1/4")	
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), 6-1/4" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
HMA SHOULDERS (8")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (2-1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
DRIVEWAYS- F.E. (10")	
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" (2-1/4" MIN. - 4" MAX.)•	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.

•NUMBER OF LIFTS TO BE DETERMINED BY THE ENGINEER.

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2026
PV = 4192 SU = 186 MU = 279
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 90 S = 4 M = 6
TRAFFIC FACTOR: Actual TF = 1.29 AC Type = PG64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 58-28
SUBGRADE SUPPORT RATING: SSR = (POOR)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.
3. STATION RANGES FOR LIMITS OF GRANULAR SUB-BASE HAVE BEEN APPROXIMATED BASED ON INFORMATION COLLECTED FROM THE ROADWAY SOIL BORINGS AND PROVIDED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED JULY 8, 2013.

TELE

LEGEND, EXISTING

(A) EXISTING GROUND
(B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)
(C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
(D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
(E) EXISTING GRANULAR SUB-BASE, 12"
STA. 92+36.0 TO STA. 95+28.0
STA. 101+59.0 TO STA. 104+61.0
SEE NOTE 3.

LEGEND, PROPOSED

(1) HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50
(2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
(3) HMA SHOULDERS, 8" (48203029)
2" SURFACE COURSE, MIX "D", N50
6" HMA BASE COURSE, IL-19.0, N50
(4) SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
(5) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
(6) SEEDING W/EROSION CONTROL BLANKET
(7) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)
(8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
(9) GUARDRAIL MARKERS, TYPE A (78200410)
(10) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)
(11) PERMANENT STEEL SHEET PILING (X5121800)
(12) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
(13) AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)

FILE NAME = W:\Projects\2013\13040 AllenRdPhil\cadd\Civil\Dgn\Shts\TYP.04.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:5	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

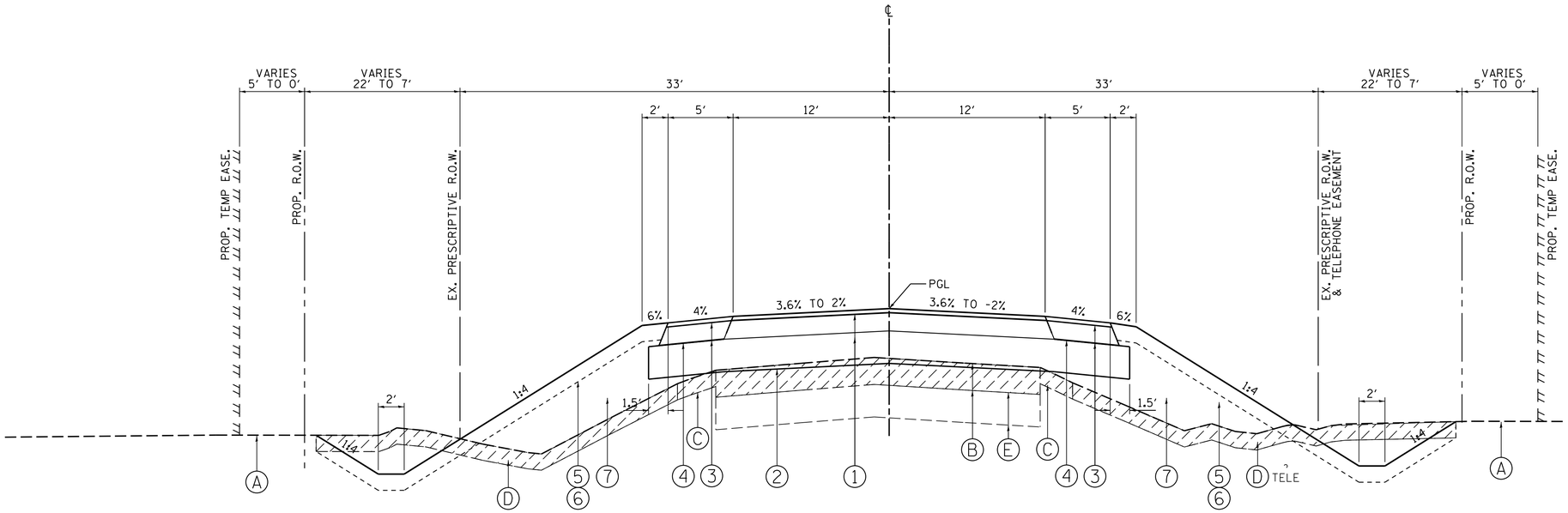
TYPICAL SECTIONS

SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	15

CONTRACT NO.

ILLINOIS FED. AID PROJECT



NOTE:

1. SUPERELEVATION TRANSITION IN THIS SEGMENT IS NOT DEPICTED. SEE PLAN AND PROFILE FOR LIMITS OF SUPERELEVATION TRANSITIONS.

2. DITCH TRANSITION GRADING EXTENDS TO STA. 106+50

PROPOSED TYPICAL SECTION NO. 5

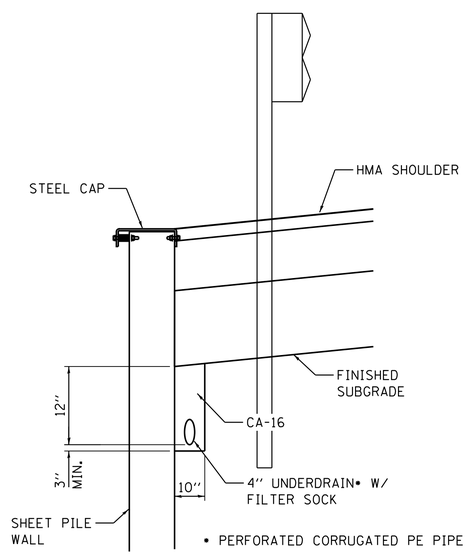
STA. 99+37 TO STA. 106+00 LT, ALLEN ROAD
STA. 99+35 TO STA. 106+00 RT, ALLEN ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (E) EXISTING GRANULAR SUB-BASE, 12"
  STA. 92+36.0 TO STA. 95+28.0
  STA. 101+59.0 TO STA. 104+61.0
  SEE NOTE 3.

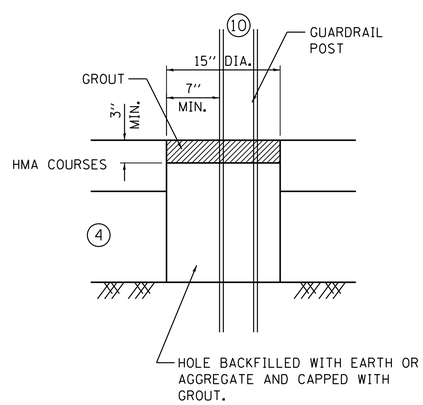
LEGEND, PROPOSED

- (1) HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
  2" SURFACE COURSE, MIX "D", N50
  6-1/4" HMA BASE COURSE, IL-19.0, N50
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- (3) HMA SHOULDERS, 8" (48203029)
  2" SURFACE COURSE, MIX "D", N50
  6" HMA BASE COURSE, IL-19.0, N50
- (4) SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
- (5) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (6) SEEDING W/EROSION CONTROL BLANKET
- (7) STRUCTURAL EMBANKMENT
  (TO BE PAID AS EARTH EXCAVATION - 20200100
  AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (9) GUARDRAIL MARKERS, TYPE A (78200410)
- (10) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)
- (11) PERMANENT STEEL SHEET PILING (X5121800)
- (12) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
- (13) AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)



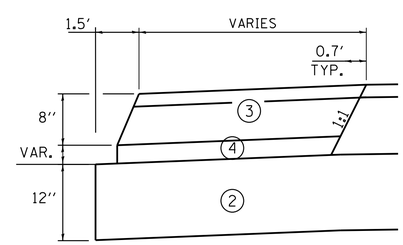
UNDERDRAIN DETAIL

LONGITUDINAL
SEE DRAINAGE & UTILITY PLAN & PROFILE SHEETS FOR LOCATIONS



GUARDRAIL GROUT DETAIL

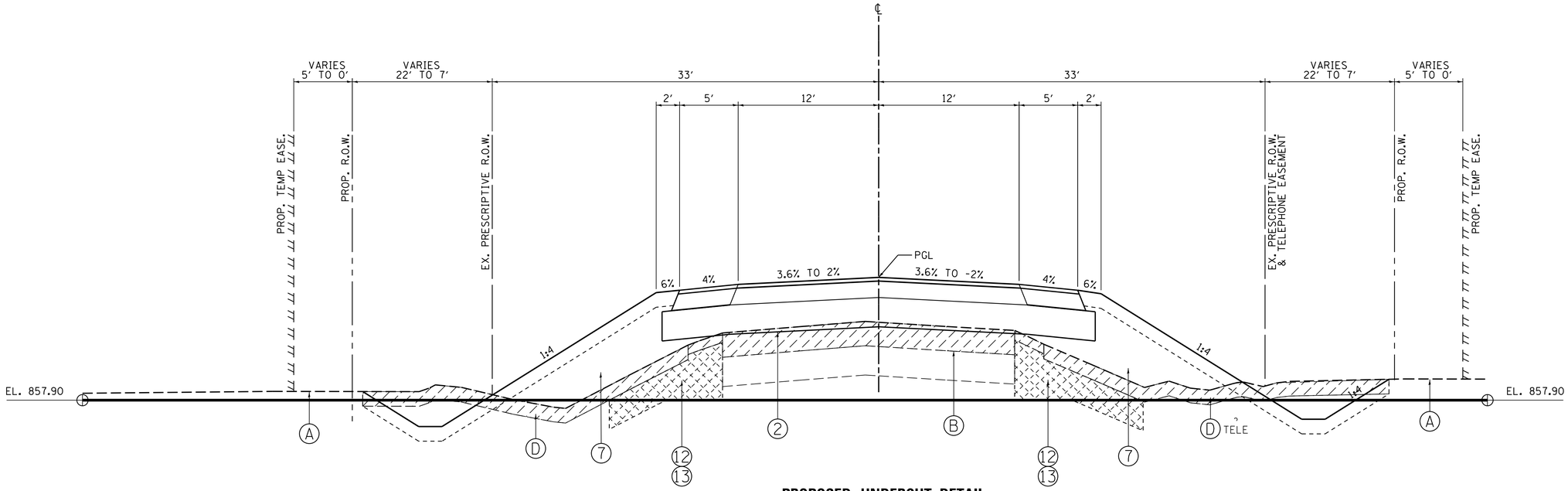
SEE STD. 630201 FOR ADDITIONAL DETAILS



HMA SHOULDER DETAIL

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\TYP_05.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84 / SHEET NO. 16
		DRAWN -	REVISED -					CONTRACT NO.	
	PLOT SCALE = 1:5	CHECKED -	REVISED -						
	PLOT DATE = 5/29/2015	DATE -	REVISED -		SCALE: SHEET NO. 5 OF 7 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		



PROPOSED UNDERCUT DETAIL

STA. 101+50.0 TO STA. 104+50.0, ALLEN ROAD

ESTIMATED QUANTITIES
FOR UNDERCUTTING, AGGREGATE
IMPROVEMENT SUBGRADE AND
GEOTECHNICAL FABRIC

BORING	LOCATION	THICKNESS
B4	101+50 TO 104+50	12 INCHES

LEGEND, EXISTING

(A) EXISTING GROUND

(B) EXISTING HOT-MIX ASPHALT PAVEMENT, 7.5" - 8.0" - TO BE REMOVED (44000100)

(C) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)

(D) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)

(E) EXISTING GRANULAR SUB-BASE, 12"
STA. 92+36.0 TO STA. 95+28.0
STA. 101+59.0 TO STA. 104+61.0
SEE NOTE 3.

LEGEND, PROPOSED

(1) HMA PAVEMENT (FULL-DEPTH), 8-1/4" (40701846)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50

(2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)

(3) HMA SHOULDERS, 8" (48203029)
2" SURFACE COURSE, MIX "D", N50
6" HMA BASE COURSE, IL-19.0, N50

(4) SUBBASE GRANULAR MATERIAL, TYPE B (31101100)

(5) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)

(6) SEEDING W/EROSION CONTROL BLANKET

(7) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)

(8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)

(9) GUARDRAIL MARKERS, TYPE A (78200410)

(10) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 4" (60107600)

(11) PERMANENT STEEL SHEET PILING (X5121800)

(12) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)

(13) AGGREGATE SUBGRADE IMPROVEMENT, VAR" (30300001)

FILE NAME = W:\Projects\2013\30140 AllenRdPhII\cadd\Civil\Dgn\Shts\TYP.06.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: | SHEET NO. 6 OF 7 SHEETS | STA. TO STA.

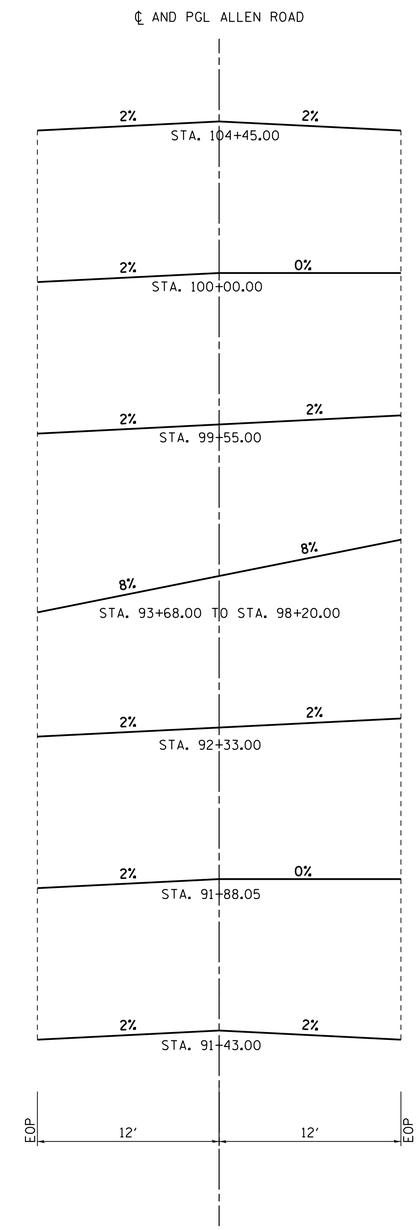
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	17

CONTRACT NO.

ILLINOIS FED. AID PROJECT

SUPERELEVATION TABLE (ALLEN ROAD)

		SHOULDER LEFT			WESTBOUND LANES				CENTERLINE ELEVATION	EASTBOUND LANES (RIGHT)				SHOULDER (RIGHT)		
	STATION	OUTER EOSH ELEVATION (LEFT)	CROSS SLOPE (%)	SHOULDER WIDTH (FT)	OUTER EOP ELEVATION (LEFT)	LANE WIDTH (FT)	ELEVATION ADJUSTMENT (FT)	CROSS SLOPE (%)	PGL	CROSS SLOPE (%)	ELEVATION ADJUSTMENT (FT)	LANE WIDTH (FT)	OUTER EOP ELEVATION (RIGHT)	SHOULDER WIDTH (FT)	CROSS SLOPE (%)	OUTER EOSH ELEVATION (RIGHT)
NORMAL CROWN	91+25.00	856.31	-4.00	9.00	856.67	12.00	-0.24	-2.00	856.91	-2.00	-0.24	12.00	856.67	5.00	-4.00	856.47
NORMAL CROWN	91+43.00	856.46	-4.00	9.00	856.82	12.00	-0.24	-2.00	857.06	-2.00	-0.24	12.00	856.82	5.00	-4.00	856.62
	91+50.00	856.51	-4.00	9.00	856.87	12.00	-0.24	-2.00	857.11	-1.69	-0.20	12.00	856.91	5.00	-4.00	856.71
	91+75.00	856.70	-4.00	9.00	857.06	12.00	-0.24	-2.00	857.30	-0.58	-0.07	12.00	857.23	5.00	-4.00	857.03
RUNOFF/RUNOUT	91+88.05	856.70	-4.00	9.00	857.06	12.00	-0.24	-2.00	857.30	0.00	0.00	12.00	857.30	5.00	-4.00	857.10
	92+00.00	856.87	-4.00	9.00	857.23	12.00	-0.24	-2.00	857.47	0.53	0.06	12.00	857.53	5.00	-4.00	857.33
	92+25.00	857.02	-4.00	9.00	857.38	12.00	-0.24	-2.00	857.62	1.64	0.20	12.00	857.82	9.00	-4.00	857.46
REMOVE CROWN	92+33.00	857.06	-4.00	9.00	857.42	12.00	-0.24	-2.00	857.66	2.00	0.24	12.00	857.90	8.00	-4.00	857.58
	92+50.00	857.06	-4.00	9.00	857.42	12.00	-0.33	-2.76	857.75	2.76	0.33	12.00	858.08	8.00	-3.24	857.82
	92+75.00	857.05	-4.00	9.00	857.41	12.00	-0.47	-3.88	857.88	3.87	0.46	12.00	858.34	8.00	-2.13	858.17
	92+77.70	857.05	-4.00	9.00	857.41	12.00	-0.48	-4.00	857.89	4.00	0.48	12.00	858.37	8.00	-2.00	858.21
	93+00.00	856.95	-4.98	9.00	857.40	12.00	-0.60	-4.98	858.00	4.98	0.60	12.00	858.60	8.00	-1.02	858.52
PC CURVE - ACUR2	93+12.46	856.90	-5.54	9.00	857.40	12.00	-0.66	-5.54	858.06	5.54	0.66	12.00	858.72	8.00	-0.46	858.69
	93+25.00	856.85	-6.09	9.00	857.40	12.00	-0.73	-6.09	858.13	6.09	0.73	12.00	858.86	8.00	0.09	858.87
	93+50.00	856.74	-7.20	9.00	857.39	12.00	-0.86	-7.20	858.25	7.20	0.86	12.00	859.11	8.00	1.20	859.21
FULL SUPER	93+68.00	856.66	-8.00	9.00	857.38	12.00	-0.96	-8.00	858.34	8.00	0.96	12.00	859.30	8.00	2.00	859.46
	93+75.00	856.70	-8.00	9.00	857.42	12.00	-0.96	-8.00	858.38	8.00	0.96	12.00	859.34	8.00	2.00	859.50
	94+00.00	856.82	-8.00	9.00	857.54	12.00	-0.96	-8.00	858.50	8.00	0.96	12.00	859.46	8.00	2.00	859.62
	94+25.00	856.95	-8.00	9.00	857.67	12.00	-0.96	-8.00	858.63	8.00	0.96	12.00	859.59	8.00	2.00	859.75
	94+50.00	857.07	-8.00	9.00	857.79	12.00	-0.96	-8.00	858.75	8.00	0.96	12.00	859.71	8.00	2.00	859.87
	94+75.00	857.20	-8.00	9.00	857.92	12.00	-0.96	-8.00	858.88	8.00	0.96	12.00	859.84	8.00	2.00	860.00
	95+00.00	857.32	-8.00	9.00	858.04	12.00	-0.96	-8.00	859.00	8.00	0.96	12.00	859.96	8.00	2.00	860.12
	95+25.00	857.45	-8.00	9.00	858.17	12.00	-0.96	-8.00	859.13	8.00	0.96	12.00	860.09	8.00	2.00	860.25
	95+50.00	857.57	-8.00	9.00	858.29	12.00	-0.96	-8.00	859.25	8.00	0.96	12.00	860.21	8.00	2.00	860.37
	95+75.00	857.70	-8.00	9.00	858.42	12.00	-0.96	-8.00	859.38	8.00	0.96	12.00	860.34	8.00	2.00	860.50
	96+00.00	857.82	-8.00	9.00	858.54	12.00	-0.96	-8.00	859.50	8.00	0.96	12.00	860.46	8.00	2.00	860.62
	96+25.00	857.96	-8.00	8.88	858.67	12.00	-0.96	-8.00	859.63	8.00	0.96	12.00	860.59	8.00	2.00	860.75
	96+50.00	858.15	-8.00	8.00	858.79	12.00	-0.96	-8.00	859.75	8.00	0.96	12.00	860.71	8.00	2.00	860.87
	96+75.00	858.28	-8.00	8.00	858.92	12.00	-0.96	-8.00	859.88	8.00	0.96	12.00	860.84	8.00	2.00	861.00
	97+00.00	858.40	-8.00	8.00	859.04	12.00	-0.96	-8.00	860.00	8.00	0.96	12.00	860.96	8.00	2.00	861.12
	97+25.00	858.53	-8.00	8.00	859.17	12.00	-0.96	-8.00	860.13	8.00	0.96	12.00	861.09	8.00	2.00	861.25
	97+50.00	858.65	-8.00	8.00	859.29	12.00	-0.96	-8.00	860.25	8.00	0.96	12.00	861.21	8.00	2.00	861.37
	97+75.00	858.78	-8.00	8.00	859.42	12.00	-0.96	-8.00	860.38	8.00	0.96	12.00	861.34	8.00	2.00	861.50
	98+00.00	858.90	-8.00	8.00	859.54	12.00	-0.96	-8.00	860.50	8.00	0.96	12.00	861.46	8.00	2.00	861.62
FULL SUPER	98+20.00	859.00	-8.00	8.00	859.64	12.00	-0.96	-8.00	860.60	8.00	0.96	12.00	861.56	8.00	2.00	861.72
	98+25.00	859.07	-7.78	8.00	859.70	12.00	-0.93	-7.78	860.63	7.78	0.93	12.00	861.56	8.00	1.78	861.71
	98+50.00	859.42	-6.67	8.00	859.95	12.00	-0.80	-6.67	860.75	6.67	0.80	12.00	861.55	8.00	0.67	861.60
	98+75.00	859.77	-5.56	8.00	860.21	12.00	-0.67	-5.56	860.88	5.56	0.67	12.00	861.55	8.00	-0.44	861.51
PT CURVE - ACUR2	98+75.52	859.77	-5.54	8.00	860.22	12.00	-0.66	-5.54	860.88	5.54	0.66	12.00	861.54	8.00	-0.46	861.51
	99+00.00	860.10	-4.44	8.30	860.47	12.00	-0.53	-4.44	861.00	4.44	0.53	12.00	861.53	8.31	-1.56	861.40
	99+09.90	860.22	-4.00	8.76	860.57	12.00	-0.48	-4.00	861.05	4.00	0.48	12.00	861.53	8.51	-2.00	861.36
	99+25.00	860.43	-4.00	7.50	860.73	12.00	-0.40	-3.33	861.13	3.33	0.40	12.00	861.53	8.81	-2.67	861.29
	99+50.00	860.78	-4.00	5.00	860.98	12.00	-0.27	-2.22	861.25	2.22	0.27	12.00	861.52	6.21	-3.78	861.28
REMOVE CROWN	99+55.00	860.84	-4.00	5.00	861.04	12.00	-0.24	-2.00	861.28	2.00	0.24	12.00	861.52	5.00	-4.00	861.32
	99+75.00	860.94	-4.00	5.00	861.14	12.00	-0.24	-2.00	861.38	1.11	0.13	12.00	861.51	5.00	-4.00	861.31
RUNOFF/RUNOUT	100+00.00	861.06	-4.00	5.00	861.26	12.00	-0.24	-2.00	861.50	0.00	0.00	12.00	861.50	5.00	-4.00	861.30
	100+25.00	861.19	-4.00	5.00	861.39	12.00	-0.24	-2.00	861.63	-1.11	-0.13	12.00	861.50	5.00	-4.00	861.30
NORMAL CROWN	100+45.00	861.29	-4.00	5.00	861.49	12.00	-0.24	-2.00	861.73	-2.00	-0.24	12.00	861.49	5.00	-4.00	861.29
NORMAL CROWN	100+50.00	861.31	-4.00	5.00	861.51	12.00	-0.24	-2.00	861.75	-2.00	-0.24	12.00	861.51	5.00	-4.00	861.31



AXIS OF ROTATION DIAGRAM

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\TYP.07.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

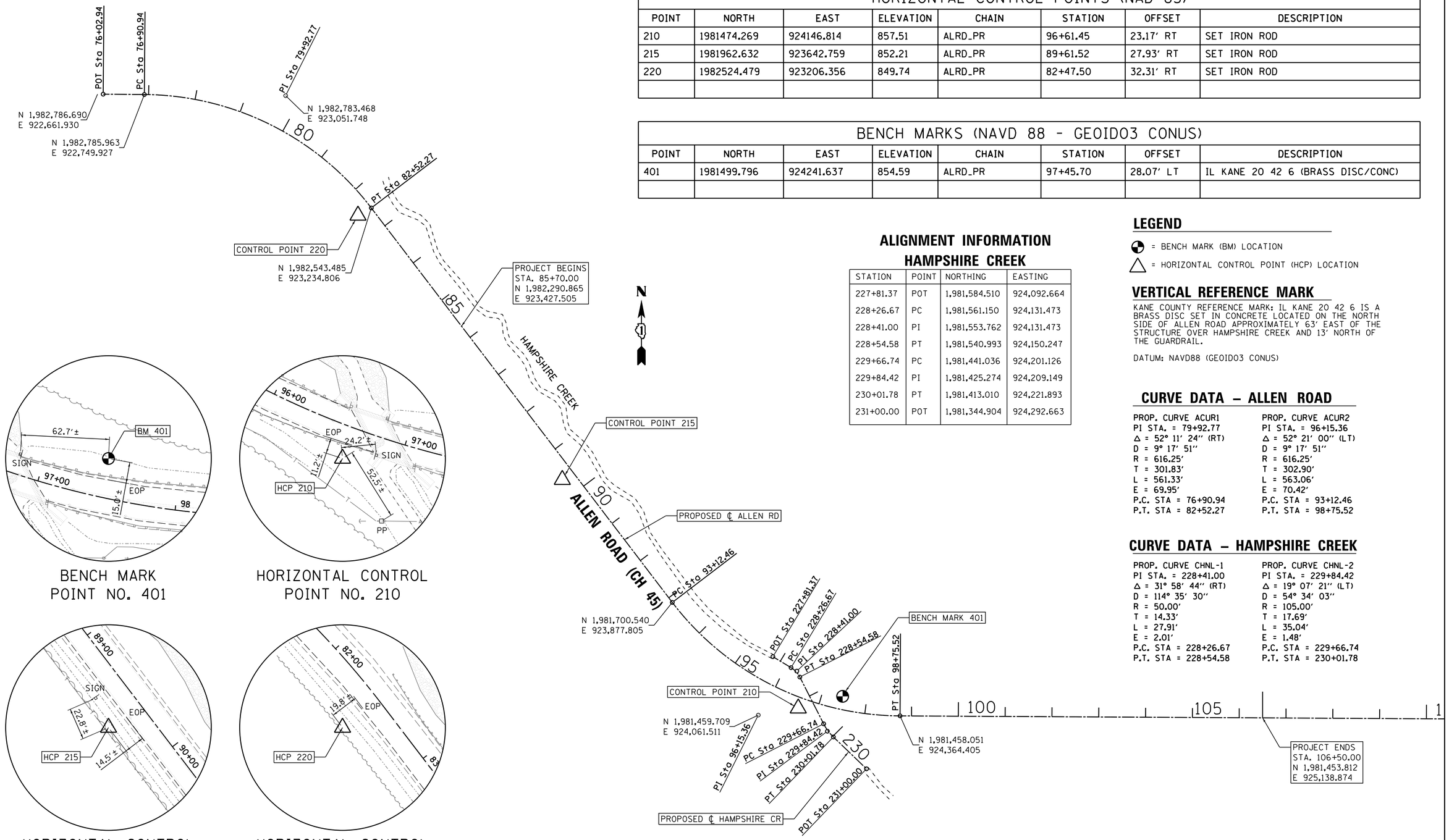
TYPICAL SECTIONS

SCALE: | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	18

CONTRACT NO.

ILLINOIS FED. AID PROJECT



HORIZONTAL CONTROL POINTS (NAD 83)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
210	1981474.269	924146.814	857.51	ALRD_PR	96+61.45	23.17' RT	SET IRON ROD
215	1981962.632	923642.759	852.21	ALRD_PR	89+61.52	27.93' RT	SET IRON ROD
220	1982524.479	923206.356	849.74	ALRD_PR	82+47.50	32.31' RT	SET IRON ROD

BENCH MARKS (NAVD 88 - GEOID03 CONUS)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1981499.796	924241.637	854.59	ALRD_PR	97+45.70	28.07' LT	IL KANE 20 42 6 (BRASS DISC/CONC)

ALIGNMENT INFORMATION
HAMPSHIRE CREEK

STATION	POINT	NORTHING	EASTING
227+81.37	POT	1,981,584.510	924,092.664
228+26.67	PC	1,981,561.150	924,131.473
228+41.00	PI	1,981,553.762	924,131.473
228+54.58	PT	1,981,540.993	924,150.247
229+66.74	PC	1,981,441.036	924,201.126
229+84.42	PI	1,981,425.274	924,209.149
230+01.78	PT	1,981,413.010	924,221.893
231+00.00	POT	1,981,344.904	924,292.663

LEGEND

= BENCH MARK (BM) LOCATION

= HORIZONTAL CONTROL POINT (HCP) LOCATION

VERTICAL REFERENCE MARK

KANE COUNTY REFERENCE MARK: IL KANE 20 42 6 IS A BRASS DISC SET IN CONCRETE LOCATED ON THE NORTH SIDE OF ALLEN ROAD APPROXIMATELY 63' EAST OF THE STRUCTURE OVER HAMPSHIRE CREEK AND 13' NORTH OF THE GUARDRAIL.

DATUM: NAVD88 (GEOID03 CONUS)

CURVE DATA – ALLEN ROAD

PROP. CURVE ACUR1
PI STA. = 79+92.77
Δ = 52° 11' 24'' (RT)
D = 9° 17' 51''
R = 616.25'
T = 301.83'
L = 561.33'
E = 69.95'
P.C. STA = 76+90.94
P.T. STA = 82+52.27

PROP. CURVE ACUR2
PI STA. = 96+15.36
Δ = 52° 21' 00'' (LT)
D = 9° 17' 51''
R = 616.25'
T = 302.90'
L = 563.06'
E = 70.42'
P.C. STA = 93+12.46
P.T. STA = 98+75.52

CURVE DATA – HAMPSHIRE CREEK

PROP. CURVE CHNL-1
PI STA. = 228+41.00
Δ = 31° 58' 44'' (RT)
D = 114° 35' 30''
R = 50.00'
T = 14.33'
L = 27.91'
E = 2.01'
P.C. STA = 228+26.67
P.T. STA = 228+54.58

PROP. CURVE CHNL-2
PI STA. = 229+84.42
Δ = 19° 07' 21'' (LT)
D = 54° 34' 03''
R = 105.00'
T = 17.69'
L = 35.04'
E = 1.48'
P.C. STA = 229+66.74
P.T. STA = 230+01.78

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\ATB.01.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:100	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=100' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	19

CONTRACT NO.

ILLINOIS FED. AID PROJECT

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS TO FIELD ENTRANCES. THE TEMPORARY CLOSURE OF FIELD ENTRANCES WILL BE LIMITED TO THE DURATION OF THE CONSTRUCTION DIRECTLY IN FRONT OF THE ENTRANCE. THE ENTRANCE(S) SHALL BE OPEN AT THE END OF THE WORK DAY OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE CLOSURES WITH THE ENGINEER AND PROPERTY OWNER A MINIMUM OF SEVEN (7) DAYS IN ADVANCE OF THE CLOSURE.

2. AGGREGATE SURFACE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT FOR EACH FIELD ENTRANCE CONSTRUCTED FOR THE PURPOSE OF TEMPORARY ACCESS. TEMPORARY AGGREGATE SURFACE COURSE SHALL BE PAID FOR AT THE CONTRACT UNIT COST EACH FOR TEMPORARY ACCESS (FIELD ENTRANCE).

3. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES, AS SPECIFIED BY THE SPECIAL PROVISIONS, SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS, SHALL BE INCLUDED IN THE COST OF THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

TEMPORARY DETOUR DURATION

THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED ON THIS SHEET TO REMAIN IN PLACE FOR THE DURATION OF TIME SPECIFCIED IN THE BDE SPECIAL PROVISION FOR "COMPLETION DATE (VIA CALENDAR DAYS) PLUS WORKING DAYS". THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED BRIDGE AND ROADWAY DURING THIS CLOSURE. THE ROADWAY MUST HAVE THE HMA SURFACE COURSE PLACED AND THE GUARDRAIL INSTALLED BEFORE THE ROADWAY IS OPENED TO TRAFFIC. IF THE SURFACE COURSE AND GUARDRAIL ARE NOT COMPLETED IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR'S EXPENSE.

CHANGEABLE MESSAGE SIGN, SPECIAL

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE EAST AND WEST SIDES OF THE PROJECT, ON ALLEN ROAD ONLY, TO WARN THE PUBLIC OF THE PENDING CLOSURE. THE MESSAGE BOARDS WILL NEED TO BE PLACED AND SET OUT FOR SEVEN (7) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION. THE SIGNS SHALL REMAIN IN PLACE FOR AN ADDITIONAL SEVEN (7) AFTER THE FIRST DAY OF CONSTRUCTION. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE MESSAGE BOARDS AND THE MESSAGE THAT IS TO BE DISPLAYED. THE MESSAGE MAY PERIODICALLY BE CHANGED BY THE COUNTY AND/OR ENGINEER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE(S). THE MESSAGE BOARDS WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN, SPECIAL PER CALENDAR DAY FOR EACH MESSAGE SIGN UTILIZED.

TEMPORARY INFORMATION SIGNING

AFTER THE REMOVAL OF THE CHANGEABLE MESSAGE SIGNS, THE CONTRACTOR SHALL ERECT TEMPORARY INFORMATION SIGNS ON THE WEST AND EAST SIDE OF THE PROJECT TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE SIGN. THE SIGN SHALL BE IN PLACE FOR THE ENTIRE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER. THE TEMPORARY SIGN WILL BE DIMENSIONED AS DETAILED ON THE DETOUR PLAN. THE SIGNING, WHICH INCLUDES POST, MOUNTING AND REMOVAL, WILL BE PAID AS "TEMPORARY INFORMATION SIGNING" PER EACH FOR EACH SIGN ERECTED.

LOCAL AGENCY CONTACTS

THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL MUNICIPALITIES, TOWNSHIP, AND COUNTY ENTITIES WITHIN THE PROJECT LIMITS. THE FOLLOWING IS THE APPLICABLE LIST OF CONTACTS:

KANE COUNTY DIVISION OF TRANSPORTATION	DAVE BOESCH, CHIEF OF CONSTRUCTION	630-584-1170
KANE COUNTY SHERIFF	DONALD E. KRAMER, SHERIFF	630-232-6840
KANE CO. OFFICE OF EMERGENCY MANAGEMENT	DONALD BRYANT, DIRECTOR	630-232-5985
VILLAGE OF HAMPSHIRE PUBLIC WORKS	COLIN CHRISTENSEN, DIRECTOR	847-683-4044
VILLAGE OF HAMPSHIRE POLICE DEPARTMENT	BRIAN THOMPSON, CHIEF	847-683-2240
HAMPSHIRE TOWNSHIP HIGHWAY DEPARTMENT	STAN WALKER, COMMISSIONER	847-683-4485
HAMPSHIRE FIRE PROTECTION DISTRICT	CURT C. KRAMER, CHIEF	847-683-2629
COMMUNITY UNIT SCHOOL DISTRICT 300	FRED HEID, SUPERINTENDENT	847-551-8308

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. IF THERE ARE CONSTRUCTION OPERATIONS COMPLETED OUTSIDE OF THE DURATION OF THE ROADWAY CLOSURE, THOSE CONSTRUCTION OPERATIONS WILL BE CONDUCTED SO ONE LANE IN EACH DIRECTION ON WALKER ROAD REMAINS OPEN AT ALL TIMES.

2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS, AND LIGHTS FOR THE WARNING AND PROTECTION OF TRAFFIC, AS REQUIRED BY SECTIONS 107 AND 701 THROUGH 703 OF THE STANDARD SPECIFICATIONS, AND AS MODIFIED.

3. IF REQUIRED, THE CONTRACTOR SHALL FURNISH AND ERECT "ROAD CONSTRUCTION AHEAD" SIGNS (W20-1 (O)-48) AT BOTH ENDS OF THE PROJECT AND AT ALL SIDE ROADS WITHIN THE LIMITS OF THIS SECTION WHEN WORKING IN THE VICINITY OF THE SIDE ROAD INTERSECTION.

OFF- PEAK HOURS

FOR CONSTRUCTION OPERATIONS OUTSIDE THE DESIGNATED DETOUR PERIOD, THE "OFF- PEAK" HOURS ARE DEFINED AS THE DAYTIME HOURS FROM 9:00 A.M. TO 3:00 P.M. AND NIGHT TIME HOURS FROM 9:00 P.M. TO 6:00 A.M., MONDAY THROUGH FRIDAY. THE CONTRACTOR MAY REQUEST IN WRITING FOR THESE HOURS TO BE EXTENDED.

KEEPING ROADS OPEN TO TRAFFIC

THE CONTRACTOR SHALL SCHEDULE HIS SEQUENCE OF OPERATIONS TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

1. ALLEN ROAD MAY BE COMPLETELY CLOSED TO TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.

SEQUENCE OF CONSTRUCTION

IN GENERAL, THE STAGING OF CONSTRUCTION FOR THIS SECTION SHALL BE AS FOLLOWS:

MAJOR WORK ITEMS - STAGE 1 (ROADWAY CLOSURE) ALLEN ROAD

- COORDINATE UTILITY RELOCATES
- SET UP CHANGEABLE MESSAGE BOARD
- SET UP DETOUR AS DETAILED IN THE PLANS
- SET UP TEMPORARY EROSION CONTROL MEASURES
- REMOVE EXISTING PAVEMENTS AND BRIDGE STRUCTURE
- CONSTRUCT THE PROPOSED CULVERT
- CONSTRUCT EMBANKMENT, SUBGRADE AND AGGREGATE BASE COURSES
- CONSTRUCT ENTRANCE CULVERTS AND UNDERDRAINS
- CONSTRUCT SHOULDERS AND PAVEMENTS (INCLUDING FINAL SURFACE)
- CONSTRUCT GUARDRAILS AND TRAFFIC BARRIER TERMINALS
- PLACE PERMANENT PAVEMENT MARKINGS••

MAJOR WORK ITEMS - STAGE 2 - RESTORATION

THESE OPERATIONS MAY TAKE PLACE AFTER THE ROADWAY IS OPEN TO TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THESE WORK OPERATIONS UNDER THE APPROPRIATE IDOT TRAFFIC CONTROL STANDARD. THESE STANDARDS WILL BE NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.

- PLACE PERMANENT RESTORATION
- PLACE GUARDRAIL MARKER
- PLACE RAISED REFLECTIVE PAVEMENT MARKERS
- PLACE PERMANENT SIGNAGE (BY OTHERS)
- FINALIZE PUNCH LIST AND SITE CLEANUP

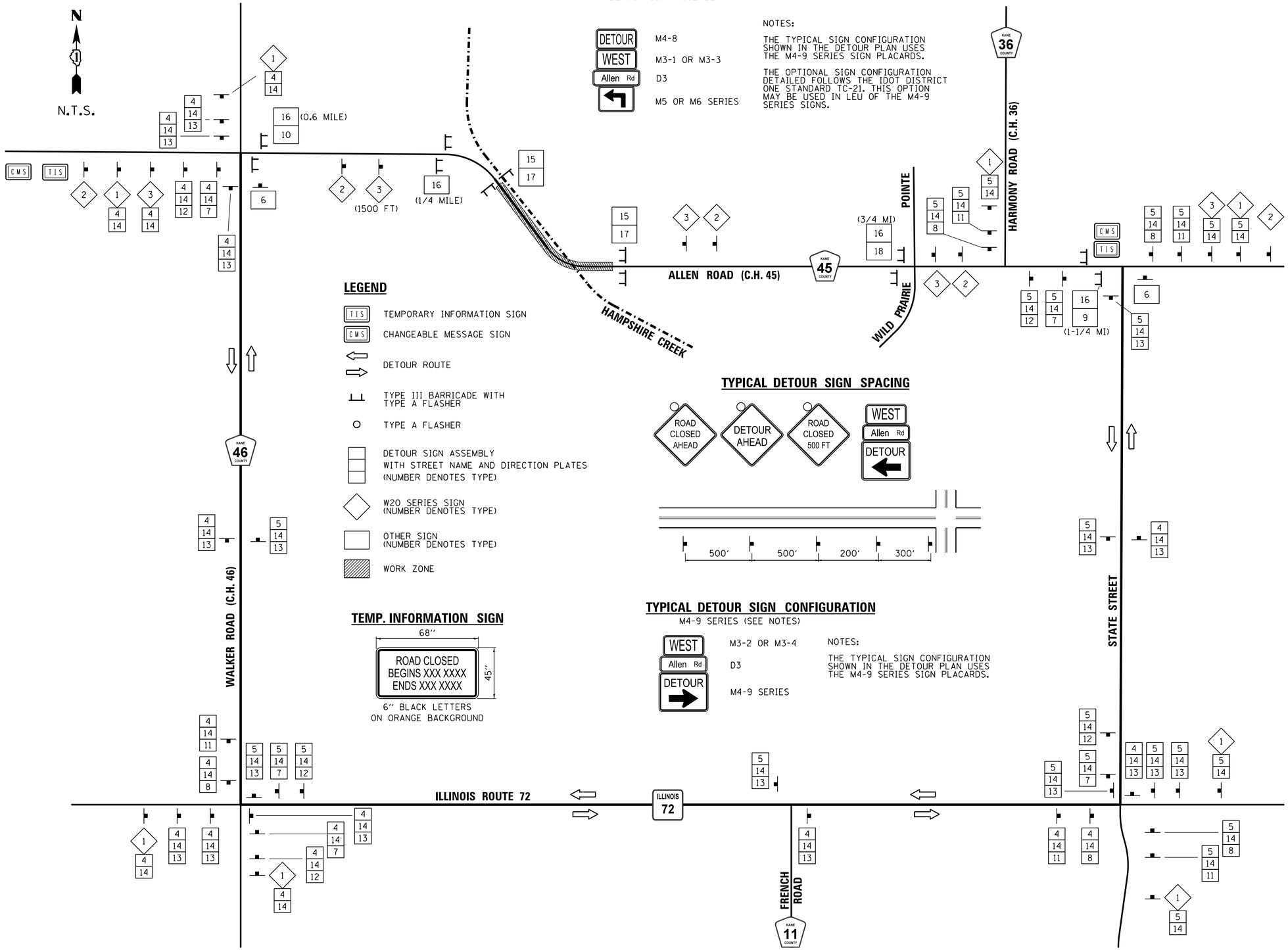
•• IF CONTRACTOR ELECTS TO COMPLETE PERMANENT PAVEMENT MARKING OUTSIDE OF THE CLOSURE PERIOD, THEN THE CONTRACTOR SHALL PLACE THE APPROPRIATE TEMPORARY PAVEMENT MARKINGS. ALL MARKINGS ON THE PERMANENT SURFACES SHALL BE TAPE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THE TEMPORARY PAVEMENT MARKINGS.

TRAFFIC CONTROL - IDOT STANDARD DRAWINGS

THE CONTRACTOR'S OPERATION MAY REQUIRE WORK THAT WILL NOT BE COMPLETED UNDER THE DETOUR CLOSURE. UNDER THESE CIRCUMSTANCES THE CONTRACTOR WILL COMPLETE THE WORK UTILIZING THE APPLICABLE IDOT TRAFFIC CONTROL STANDARD. THE STANDARD APPLICATION WILL BE APPROVED BY THE ENGINEER. A LIST OF POTENTIAL STANDARD DRAWINGS HAS BEEN INCLUDED IN THE SPECIAL PROVISION FOR "TRAFFIC CONTROL PLAN". THE CONTRACTOR IS ENCOURAGED TO COMPLETE ALL WORK UNDER THE DETOUR CLOSURE. THESE STANDARDS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE LUMP SUM COST FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

OPTIONAL DETOUR SIGN ASSEMBLIES

"DETOUR SIGN ASSEMBLY"



DETOUR	M4-8
WEST	M3-1 OR M3-3
Allen Rd	D3
↰	M5 OR M6 SERIES

NOTES:

THE TYPICAL SIGN CONFIGURATION SHOWN IN THE DETOUR PLAN USES THE M4-9 SERIES SIGN PLACARDS.

THE OPTIONAL SIGN CONFIGURATION DETAILED FOLLOWS THE IDOT DISTRICT ONE STANDARD TC-21. THIS OPTION MAY BE USED IN LEU OF THE M4-9 SERIES SIGNS.

LEGEND

- TIS — TEMPORARY INFORMATION SIGN
- CMS — CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE
- TYPE III BARRICADE WITH TYPE A FLASHER
- TYPE A FLASHER
- DETOUR SIGN ASSEMBLY WITH STREET NAME AND DIRECTION PLATES (NUMBER DENOTES TYPE)
- W20 SERIES SIGN (NUMBER DENOTES TYPE)
- OTHER SIGN (NUMBER DENOTES TYPE)
- WORK ZONE

TYPICAL DETOUR SIGN SPACING

TEMP. INFORMATION SIGN

6" BLACK LETTERS ON ORANGE BACKGROUND

TYPICAL DETOUR SIGN CONFIGURATION

M4-9 SERIES (SEE NOTES)

WEST	M3-2 OR M3-4
Allen Rd	D3
DETOUR →	M4-9 SERIES

NOTES:

THE TYPICAL SIGN CONFIGURATION SHOWN IN THE DETOUR PLAN USES THE M4-9 SERIES SIGN PLACARDS.

SCHEDULE OF DETOUR SIGNS

SIGN NO.	SIGN	MUTCD CODE-SIZE
1	DETOUR AHEAD	W20-2-4848
2	ROAD CLOSED AHEAD	W20-3-4848
3	ROAD CLOSED 500 FT	W20-3-4848
4	EAST	M3-2(0)-2412
5	WEST	M3-4(0)-2412
6	END DETOUR	M4-8A-2418
7	DETOUR →	M4-9 SERIES-3024
8	DETOUR ←	M4-9 SERIES-3024
9	← DETOUR	M4-10L-4818
10	DETOUR →	M4-10R-4818
11	DETOUR ↰	M4-9 SERIES-3024
12	DETOUR ↱	M4-9 SERIES-3024
13	DETOUR ↑	M4-9 SERIES-3024
14	Allen Rd	D3-(0)3612-VAR
15	ROAD CLOSED	R11-2*-4830
16	BRIDGE OUT X MILES AHEAD LOCAL TRAFFIC ONLY	R11-3B-6030
17	BRIDGE OUT	R11-2*-4830
18	ROAD CLOSED TO THRU TRAFFIC	R11-4-6030

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

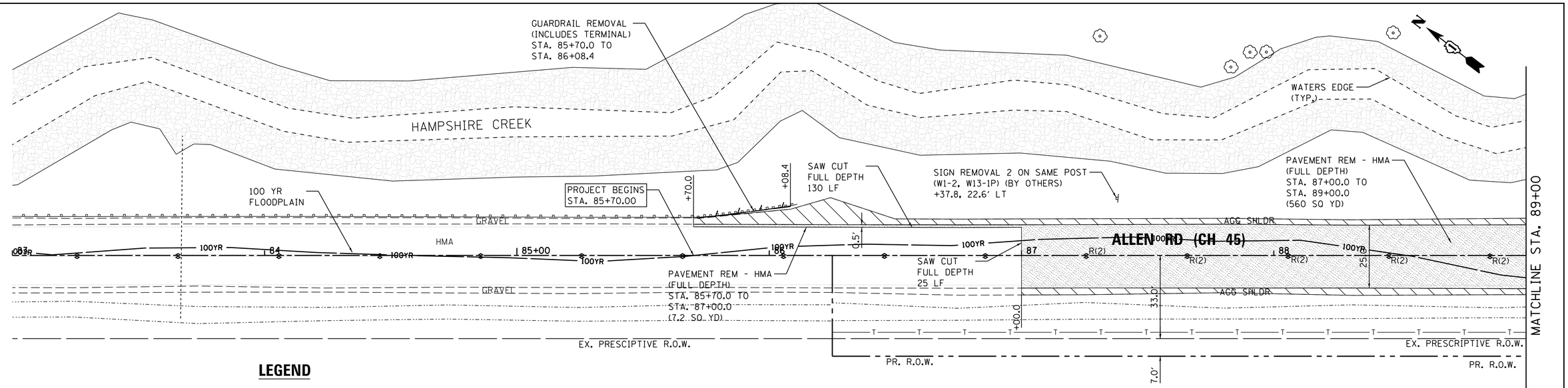
DETOUR PLAN

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	21

CONTRACT NO.

ILLINOIS FED. AID PROJECT



LEGEND

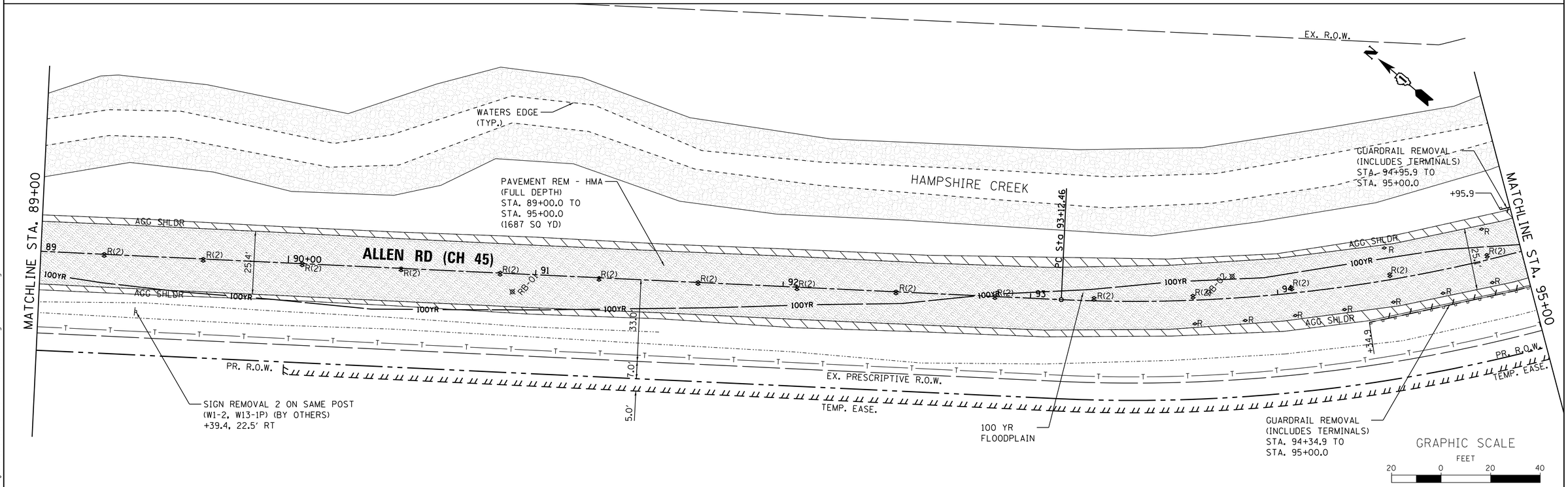
	PAVEMENT REMOVAL - HMA (FULL DEPTH)	R	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	AGGREGATE SURFACE REMOVAL (INCLUDED IN EXCAVATION)	R	SIGN REMOVAL (BY OTHERS)
	BRIDGE STRUCTURE REMOVAL		BOUNDARY - WETLAND
	LINEAL REMOVAL ITEM	100YR	BOUNDARY - 100YR (GIS) FLOODPLAIN

REMOVAL NOTES:

1. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL EXISTING SIGNS, NAME PLATES AND POSTS FROM WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COORDINATE ALL SIGN REMOVAL WITH THE ENGINEER.

2. RAISED PAVEMENT MARKER REFLECTOR REMOVAL SHALL BE MEASURED SEPARATELY FOR PAYMENT PER EACH AS "RAISED REFLECTIVE PAVEMENT MARKER REMOVAL".

GRAPHIC SCALE
FEET
20 0 20 40



GRAPHIC SCALE
FEET
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. 1 OF 2 SHEETS | STA. 85+70.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	22

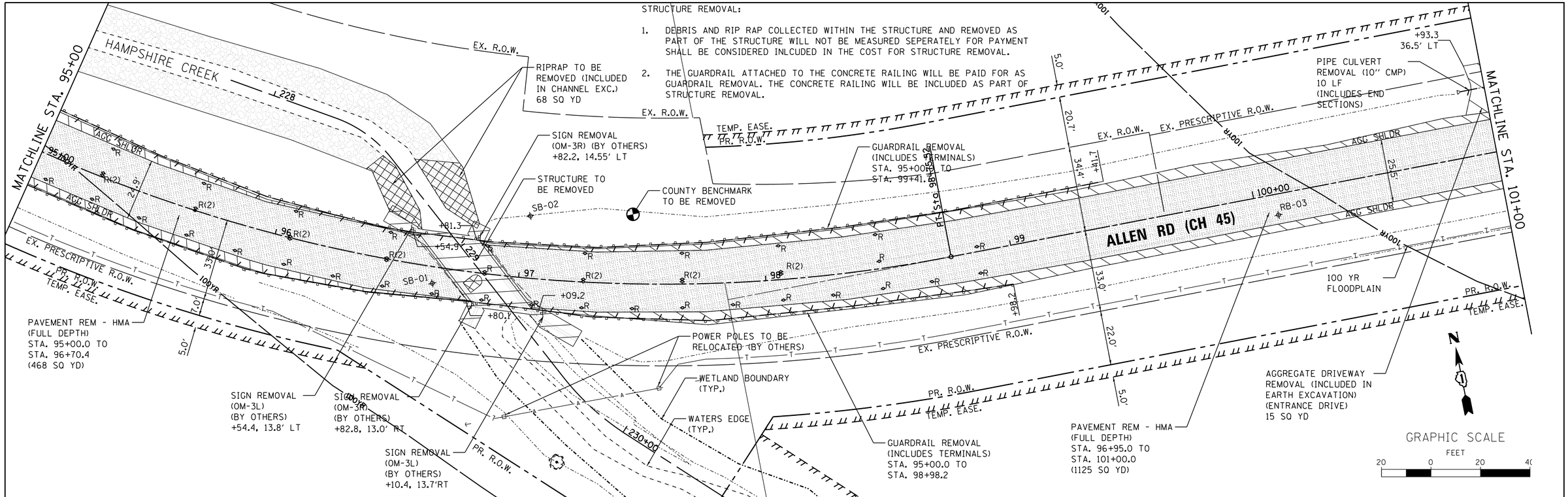
CONTRACT NO.

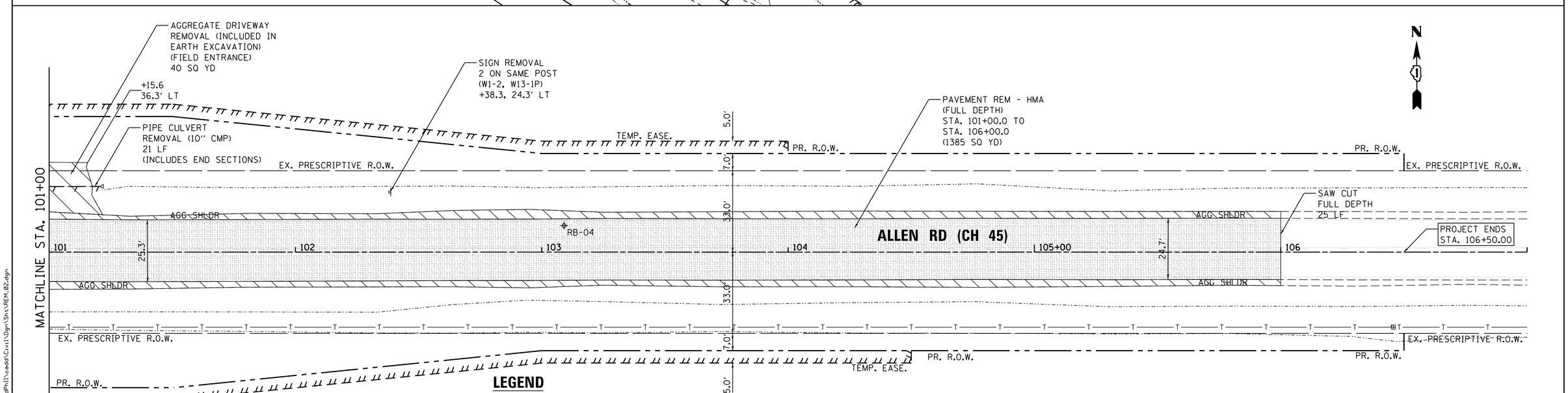
ILLINOIS FED. AID PROJECT

STRUCTURE REMOVAL:

1. DEBRIS AND RIP RAP COLLECTED WITHIN THE STRUCTURE AND REMOVED AS PART OF THE STRUCTURE WILL NOT BE MEASURED SEPERATELY FOR PAYMENT SHALL BE CONSIDERED INLCUDED IN THE COST FOR STRUCTURE REMOVAL.

2. THE GUARDRAIL ATTACHED TO THE CONCRETE RAILING WILL BE PAID FOR AS GUARDRAIL REMOVAL. THE CONCRETE RAILING WILL BE INCLUDED AS PART OF STRUCTURE REMOVAL.





LEGEND

PAVEMENT REMOVAL - HMA (FULL DEPTH)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
AGGREGATE SURFACE REMOVAL (INCLUDED IN EXCAVATION)	SIGN REMOVAL (BY OTHERS)
BRIDGE STRUCTURE REMOVAL	BOUNDARY - WETLAND
LINEAL REMOVAL ITEM	BOUNDARY - 100YR (GIS) FLOODPLAIN

REMOVAL NOTES:

1. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL EXISTING SIGNS, NAME PLATES AND POST FROM WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COORDINATE ALL SIGN REMOVAL WITH THE ENGINEER.

2. RAISED PAVEMENT MARKER REFLECTOR REMOVAL SHALL BE MEASURED SEPARATELY FOR PAYMENT PER EACH AS "RAISED REFLECTIVE PAVEMENT MARKER REMOVAL".

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1"=20' | SHEET NO. 2 OF 2 SHEETS | STA. 95+00.00 TO STA. 106+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	23

CONTRACT NO.

ILLINOIS FED. AID PROJECT

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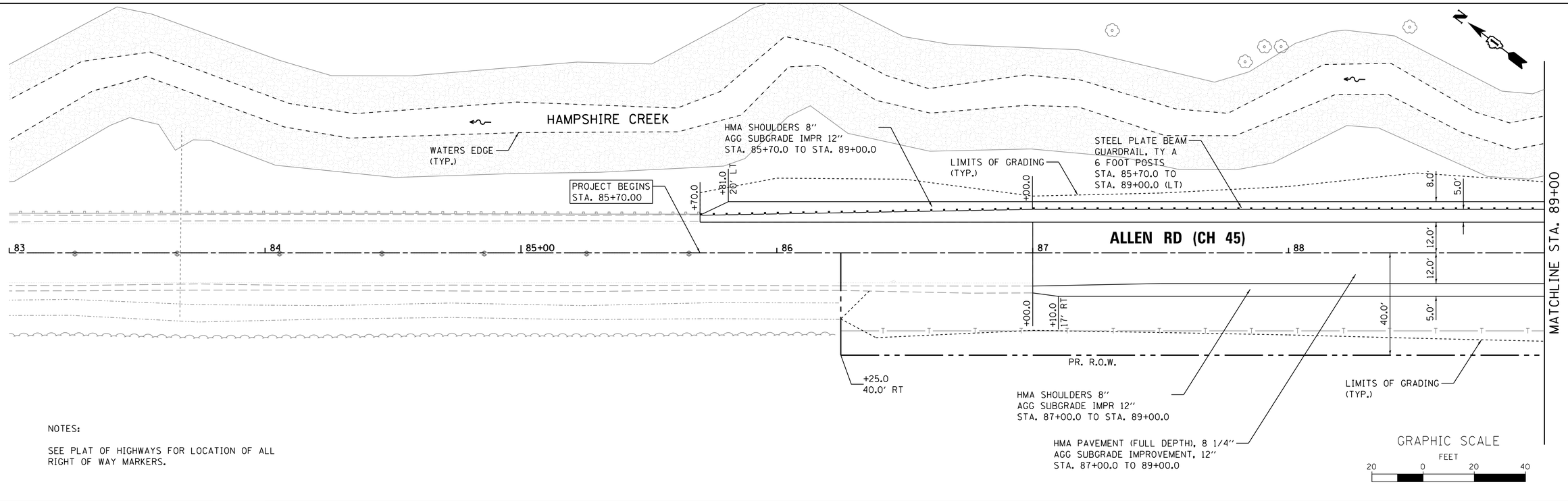
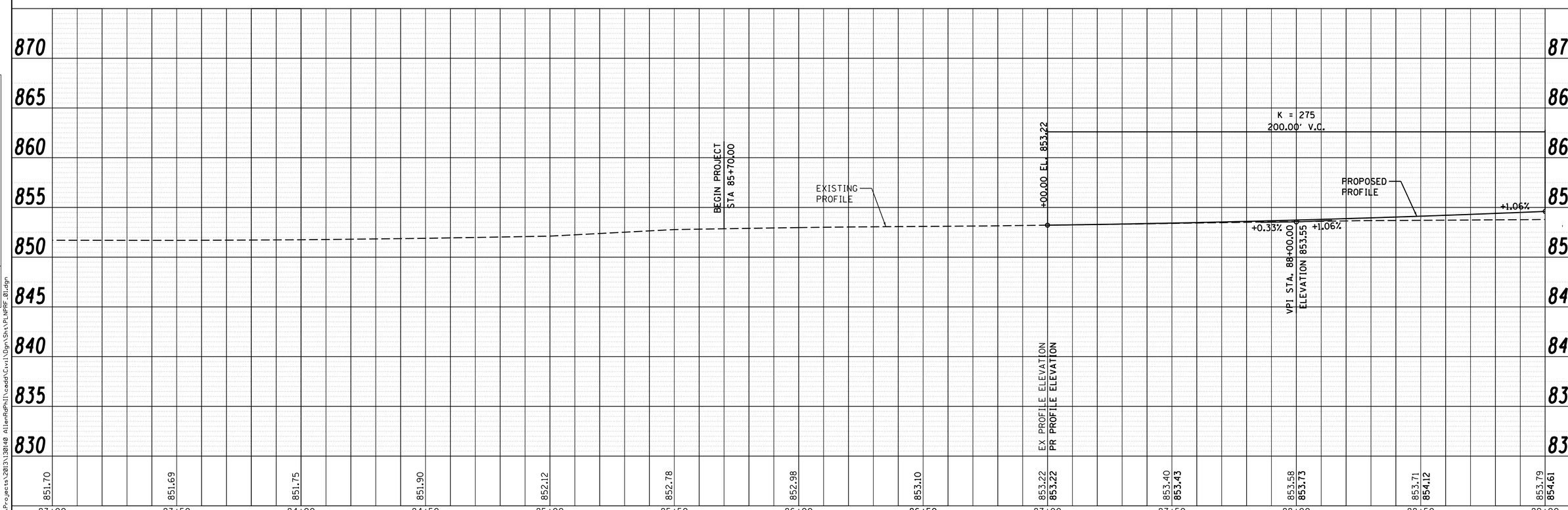


NOTES:

SEE PLAT OF HIGHWAYS FOR LOCATION OF ALL RIGHT OF WAY MARKERS.



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

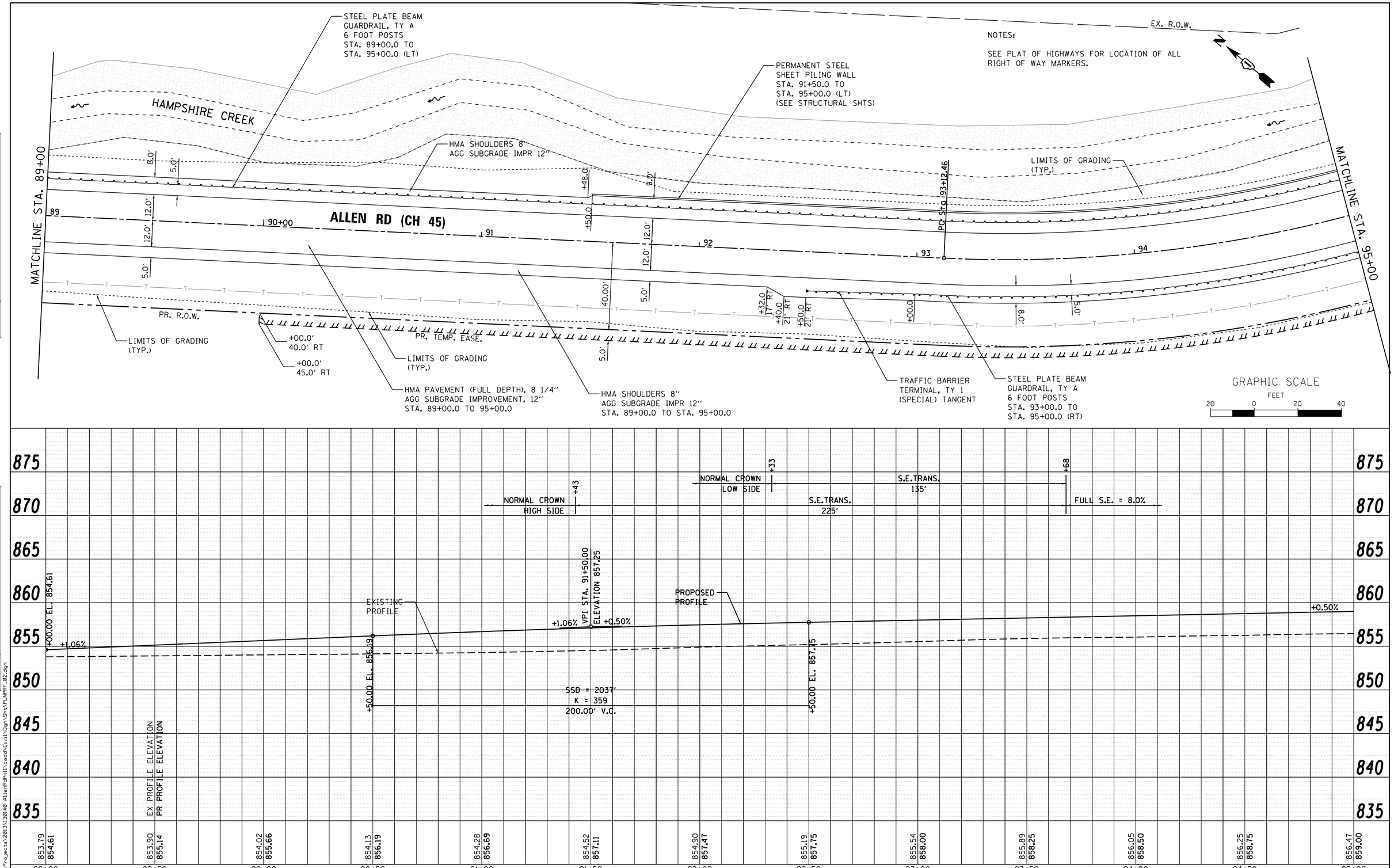
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 85+70.00 TO STA. 89+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	24

CONTRACT NO.

ILLINOIS FED. AID PROJECT



PLAN	BY	DATE
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RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

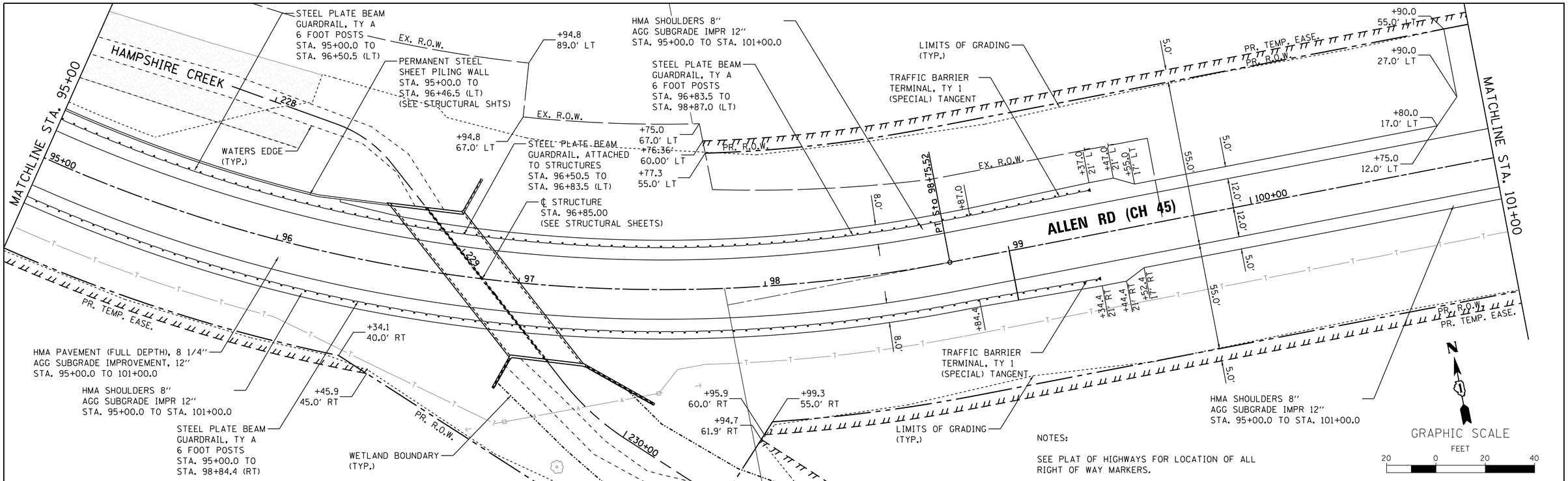
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 89+00.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	25

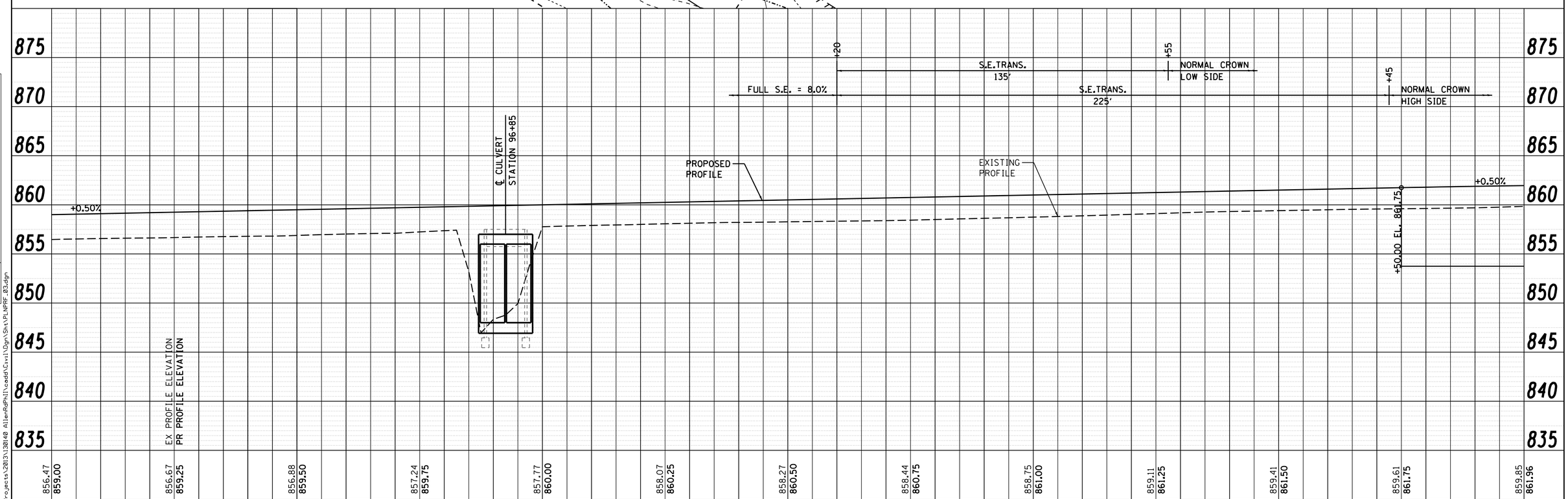
CONTRACT NO.

ILLINOIS FED. AID PROJECT



NOTES:

SEE PLAT OF HIGHWAYS FOR LOCATION OF ALL RIGHT OF WAY MARKERS.



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SURVEYED		
PLOTTED		
HIGHWAY CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

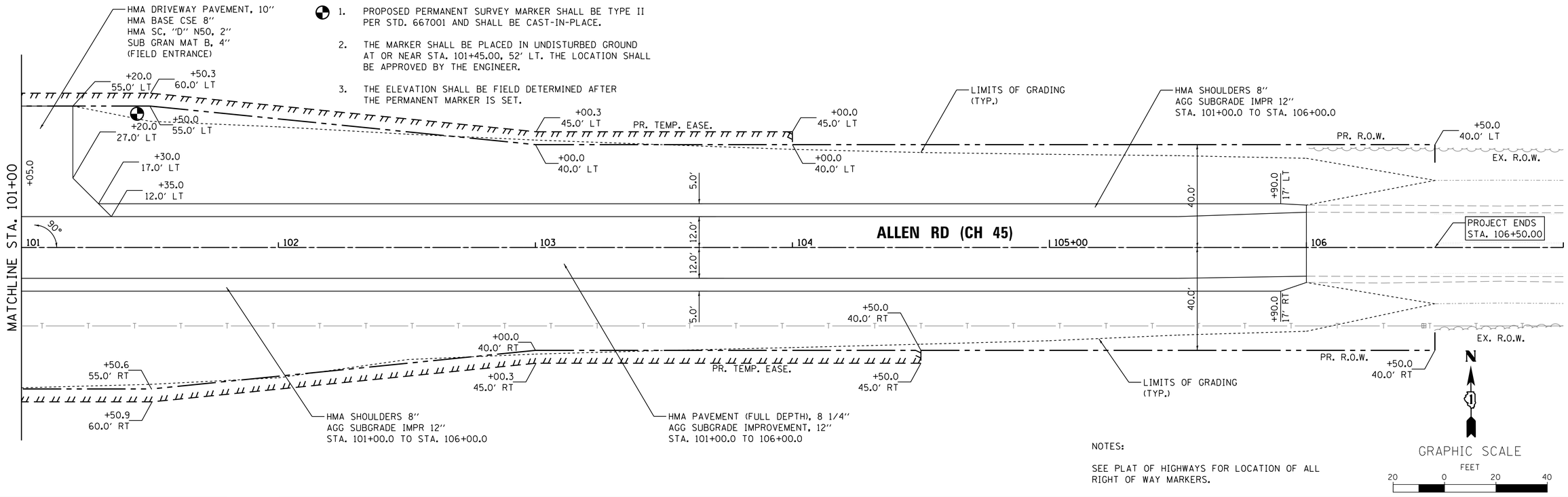
SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 95+00.00 TO STA. 101+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	26

CONTRACT NO.

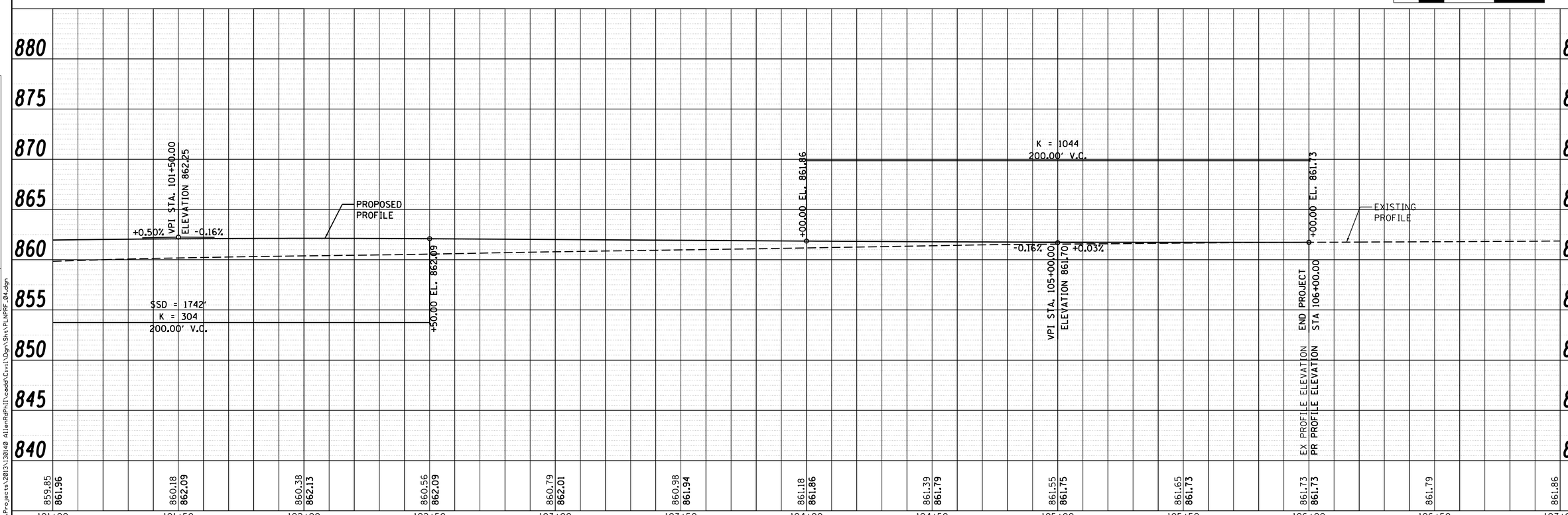
ILLINOIS FED. AID PROJECT

1. PROPOSED PERMANENT SURVEY MARKER SHALL BE TYPE II PER STD. 667001 AND SHALL BE CAST-IN-PLACE.
2. THE MARKER SHALL BE PLACED IN UNDISTURBED GROUND AT OR NEAR STA. 101+45.00, 52' LT. THE LOCATION SHALL BE APPROVED BY THE ENGINEER.
3. THE ELEVATION SHALL BE FIELD DETERMINED AFTER THE PERMANENT MARKER IS SET.



NOTES:

SEE PLAT OF HIGHWAYS FOR LOCATION OF ALL RIGHT OF WAY MARKERS.



PLAN	
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PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK NO.	
BY	DATE

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BLM. NOTED	
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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

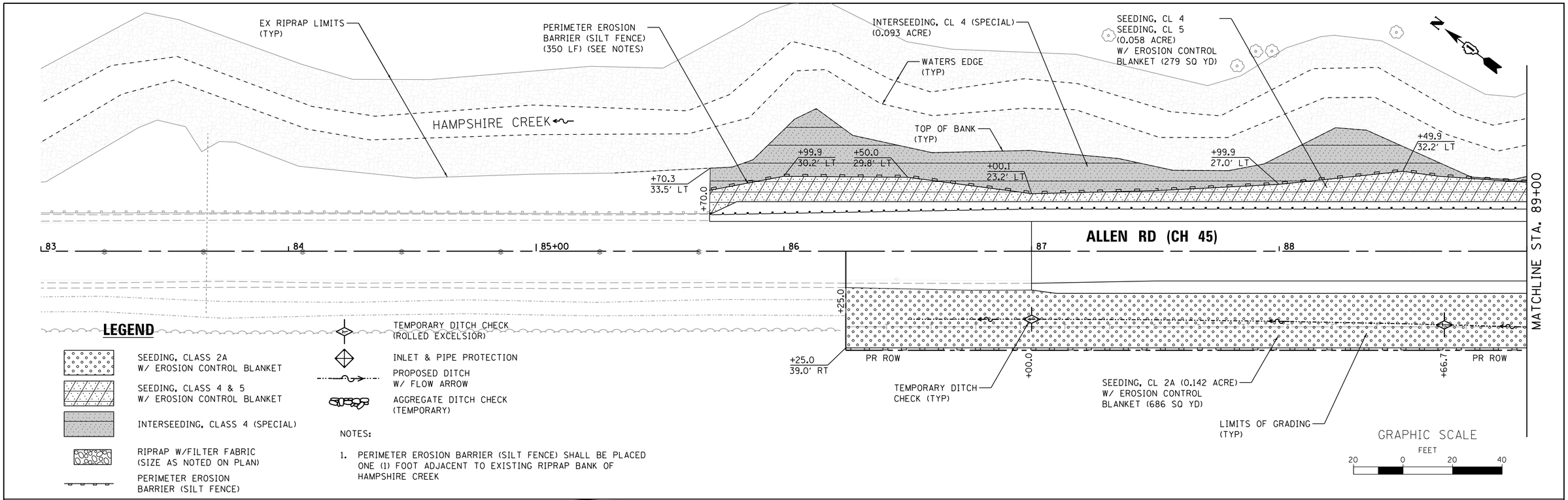
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 101+00.00 TO STA. 106+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	27

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

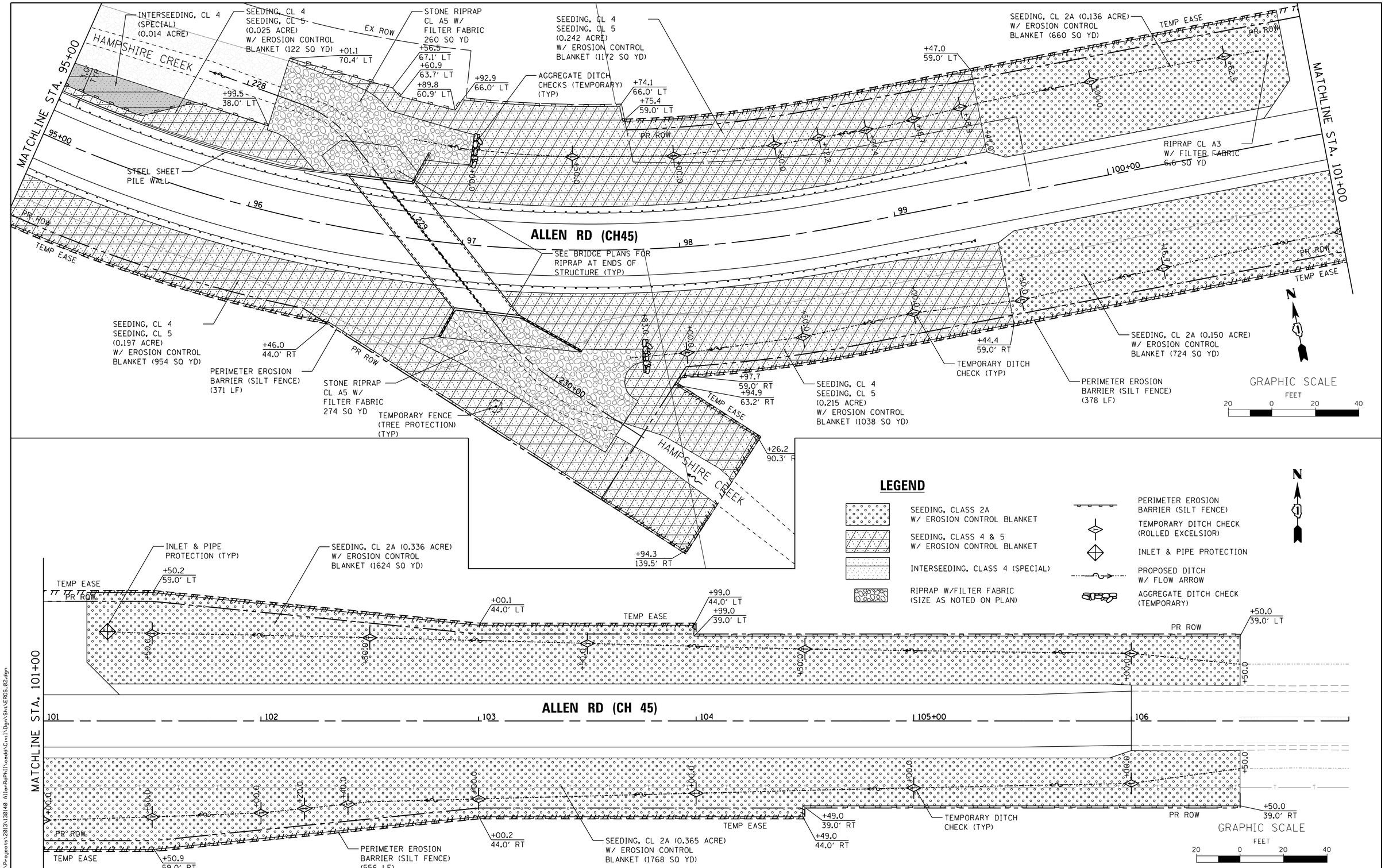
EROSION CONTROL & SEEDING PLAN

SCALE: 1"=20' | SHEET NO. 1 OF 6 SHEETS | STA. 85+70.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	28

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL & SEEDING PLAN

SCALE: 1"=20' | SHEET NO. 2 OF 6 SHEETS | STA. 95+00.00 TO STA. 106+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	29
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

EROSION CONTROL INSPECTION

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH ½" 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

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMANENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. THE QUANTITIES INCLUDE A PLAN ALLOWANCE OF TWO (2) ADDITIONAL TEMPORARY DITCH CHECKS FOR MAINTENANCE PURPOSES. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

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 DETAILED ON THE PLANS 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 NOT BE PLACED IN OR NEAR CRITICAL AREAS, OR AREAS THAT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES.

CONTRACTOR MAY OPT TO STOCK PILE MATERIAL. STAGING OF THE PROJECT IS AT THE DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) 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

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

PERMANENT STABILIZATION OF THE CONSTRUCTION AREA SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING.

WORK IN FLOWING WATER

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. SEE ADDITIONAL IN-STREAM NOTES.

DEWATERING

WHEN DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT. ALL FILTER 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 BAG(S) WITH KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT AT THE PRE-CONSTRCUTION MEETING.

DEWATERING AND FILTERING BAG SYSTEMS REQUIRED FOR ALL CONSTRUCTION OPERATIONS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE RELATED WORK ITEM REQUIRING DEWATERING. DEWATERING WILL INCLUDE MEANS, METHODS AND ALL MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE CREEK.

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.

STABILIZED CONSTRUCTION ENTRANCE

A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF IT IS DETERMINED BY THE ENGINEER OR THE KANE-DUPAGE SOIL AND WATER CONVERSATION DISTRICT THAT THE CONTRACTOR OPERATIONS REQUIRE A STABILIZED ENTRANCE, QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. THERE WILL BE NO ADJUSTMENT TO THE CONTRACT IF THE ENTRANCE IS NOT CONSTRUCTED. IF REQUIRED, THE CONTRACTOR WILL SUBMIT THE LOCATION AND DETAILS TO KDSWCD FOR APPROVAL.

CONCRETE WASHOUT

IF A CONCRETE WASHOUT IS NEEDED, IT SHOULD BE DRAWN ON THESE PLANS BY THE CONTRACTOR AT THE TIME OF INSTALLATION. WASHOUTS ARE TO BE CONSTRUCTED AND MAINTAINED IN A MANNER CONSISTENT WITH THE DETAILS ON THE PLANS AND THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A		•	•	A				
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C									
EROSION CONTROL	D/E											

A. CLASS 2A
CLASS 4
CLASS 5

B. INCREASE SEEDING RATES BY 25% WHEN DORMANT SEEDING (NOT ANTICIPATED)

C. TEMPORARY SEEDING (PERENNIAL RYE GRASS, SPRING OATS)

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

E. MULCH, METHOD 3 (EROSION CONTROL BARE EARTH)

• 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 AND THE SPECIAL PROVISIONS.

WATERWAY INFORMATION

Drainage Area = 5.6 sq. mi.

Flood	*Freq. Yr.*	*Q C.F.S.*	*Opening Sq. Ft. Exist.*	*Opening Sq. Ft. Prop.*	*Nat. H.W.E.*	*Head - Ft. Exist.*	*Head - Ft. Prop.*	*Headwater El. Exist.*	*Headwater El. Prop.*
	2	*436.6*	*68.5*		*853.9*	*0.3*		*854.2*	

2-Year Velocity through Existing Bridge = 6.8 ft/s

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, LATEST EDITION.

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) IT IS THE RESPONSIBILITY OF THE OWNER 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.

G) THE CONTRACTOR IS RESPONSIBLE FOR INDICATING THE CURRENT LOCATION OF THE CONCRETE WASHOUT AND ANY MODIFICATIONS TO THE LOCATIONS OR DETAILS OF EROSION AND SEDIMENT CONTROLS ON THESE PLANS.

H) ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES. FILTER FABRIC ON ITS OWN IS NOT AN APPROVED METHOD. PREFABRICATED DROP INLET PROTECTION SHOULD BE AS RESTRICTIVE AS THE ILLINOIS URBAN MANUAL STANDARD 861 FOR INLET PROTECTION.

CONTRACTOR SUBMITTAL

MEANS AND METHODS TO CONSTRUCT THE BRIDGE, CHANNEL AND OTHER APPURTENANT WORK IS THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR IS REQUIRED TO SUBMIT TO KDSWCD FOR APPROVAL ALL DRAWINGS AND/OR DETAILS SHOWING THE EXACT SEQUENCING, METHODS, AND LOCATIONS OF THE COFFERDAMS WHICH WILL INCLUDE DEWATERING AND FILTRATION METHODS.

IN-STREAM NOTES

SEE SHEET 31 FOR ADDITIONAL NOTES.

IN-STREAM WORK

A. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.

B. THE PLAN WILL BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.

C. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.

D. THE COFFERDAM MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.

E. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.

F. DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

G. THE AREA FROM THE TOE TO THE TOP OF THE SIDE SLOPE SHALL BE TEMPORARILY STABILIZED DURING CONSTRUCTION TO REDUCE THE POTENTIAL FOR EROSION. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

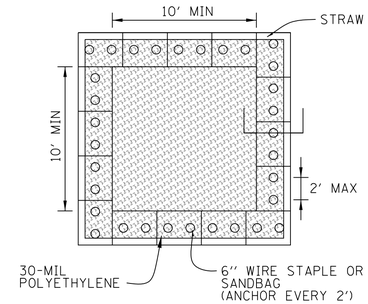
DIVERSION AND DEWATERING

DIVERSION AND DEWATERING WORK SHALL CONSIST OF FURNISHING ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS TO INSTALL, MAINTAIN, AND OPERATE ALL NECESSARY DEWATERING SYSTEMS TO DIVERT, REMOVE WATER FROM THE CHANNEL REACH OR DESIGNED TO CONTROL SEDIMENT DISCHARGE IN DEWATERING APPLICATIONS WHERE WATER IS BEING PUMPED FOR THE CONSTRUCTION OF THE PROPOSED CULVERT, HEADWALLS, STONE RIP RAP CHANNEL LINING AND OTHER WORK ASSOCIATED WITH CONSTRUCTION OF THE CULVERT TO ASSURE THE WORK CAN BE COMPLETED IN THE DRY OR IN MANAGEABLE CONDITIONS AS APPROVED BY THE ENGINEER.

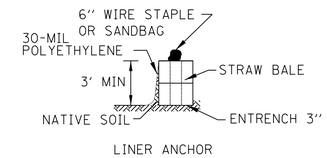
THIS ITEM WILL ALSO CONSIST OF CONSTRUCTING A DEWATERING FILTERING SYSTEM CONSISTING OF FILTRATION OR SEDIMENT BAGS FOR COLLECTING SEDIMENT FROM PUMPING OPERATIONS WITHIN COFFER DAMS AND SUMP PITS. CONSTRUCTION WATERS WILL INCLUDE, BUT NOT BE LIMITED TO, ALL WATERS GENERATED FROM THE INSTALLATION OF CULVERTS, HEADWALLS, DRAINAGE SYSTEMS, FOOTING AND AGGREGATE BASE CONSTRUCTION.

DIVERSION & DEWATERING - BASIS OF PAYMENT

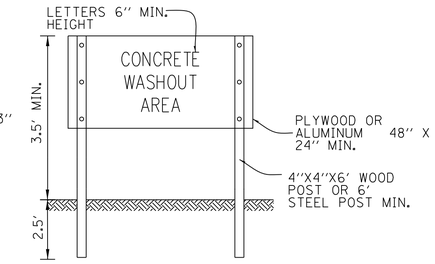
ALL WORK REQUIRED TO PROVIDE FOR THE DEWATERING AND/OR DIVERSION SYSTEMS FOR THE CONSTRUCTION OF THE CULVERT, HEADWALLS, CHANNEL AND BANK STABILIZATION SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE "CONCRETE BOX CULVERT", WHICH WORK SHALL INCLUDE MEANS AND METHODS FOR DESIGN OF COFFERDAMS, BARRIER WALL, FILTER FABRIC, PIPING, PUMPING, FOUNDATION PREPARATION, FRAMING AND SUPPORTS, DEWATERING FILTERING SYSTEM CONSISTING OF FILTRATION OR SEDIMENT BAGS, INSTALLATION, MAINTENANCE, REMOVAL OF SYSTEMS AND ALL LABOR, MATERIAL, AND EQUIPMENT NEEDED TO PERFORM THE WORK DESCRIBED HEREIN AND AS SPECIFIED ON THE PLANS.



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



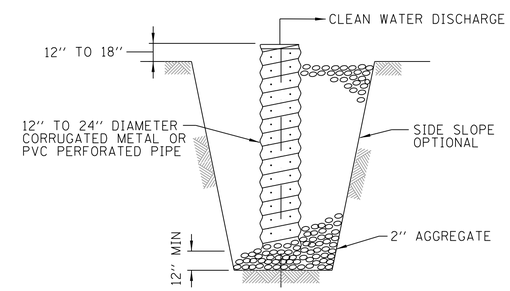
SIGN DETAIL

WASHOUT 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"X2"X4' WOODEN STAKES.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

STD. IUM-654SB
(TEMPORARY CONCRETE WASHOUT)



SECTION

SUMP PIT 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" AGGREGATED 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

STD. IL-650
(SUMP PIT PLAN)

FILE NAME = W:\Projects\2013\30140 AllentownPhil\cadd\Civil\Dgn\Sht\EROS_04.dgn

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USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

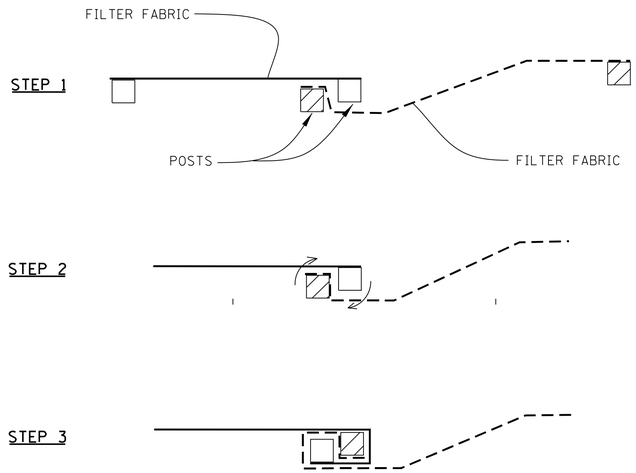
EROSION CONTROL & SEEDING NOTES

SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	31

CONTRACT NO.

ILLINOIS FED. AID PROJECT



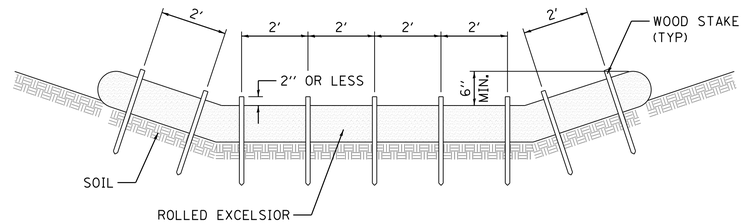
ATTACHING TWO SILT FENCES

NOTES:

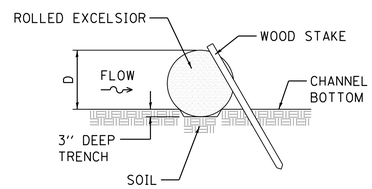
1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
3. CUT THE FABRIC NEAR THE BOTTOM OF THE STAKES TO ACCOMMODATE THE 6" FLAP.
4. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.
5. COMPACT BACKFILL (PARTICULARLY AT SPLICES) COMPLETELY TO PREVENT STORMWATER PIPING.

PERIMETER EROSION BARRIER (SILT FENCE) – SPLICING TWO FENCES

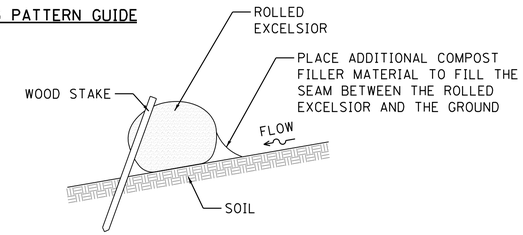
STD. IUM-620B
(SILT FENCE - SPLICING TWO FENCES)



STAKING PATTERN GUIDE



STAKE DETAIL



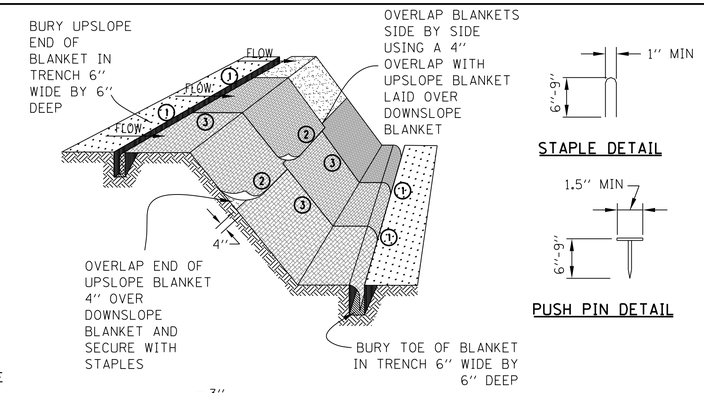
COMPOST FILTER SOCK DETAIL

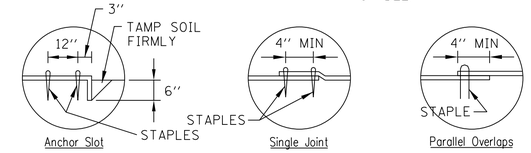
NOTES:

1. ENDS OF ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
2. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
3. STAKES SHALL NOT EXTEND ABOVE THE ROLLED EXCELSIOR MORE THAN 2".
4. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.
5. WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE IUM 805). A TRENCH IS NOT REQUIRED.
6. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
7. STAKES SHALL BE PLACED EVERY 2' FOR ROLLED EXCELSIOR, OR AS SPECIFIED BY THE MANUFACTURER.

TEMPORARY DITCH CHECK ROLLED EXCELSIOR

STD. IUM-514
(ROLLED EROSION CONTROL PRODUCTS)





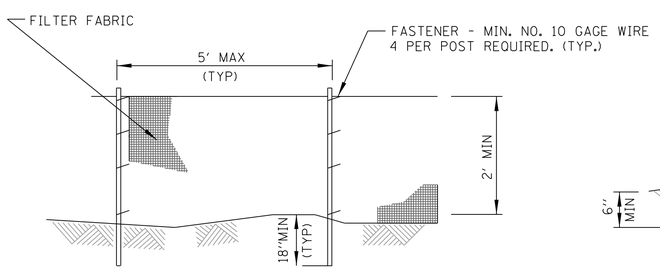
DETAIL 1 DETAIL 2 DETAIL 3

NOTES:

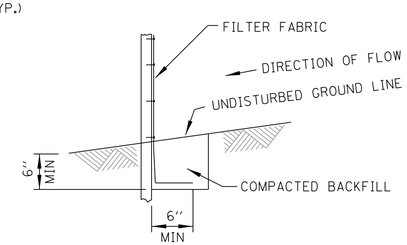
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED 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

STD. IL-530A, IL-530B, IUM-531
(EROSION CONTROL BLANKET)



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 40 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

PERIMETER EROSION BARRIER (SILT FENCE)

STD. IUM-620A
(SILT FENCE PLAN)

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	DRAWN -	REVISED -
PLOT SCALE = 1:10	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

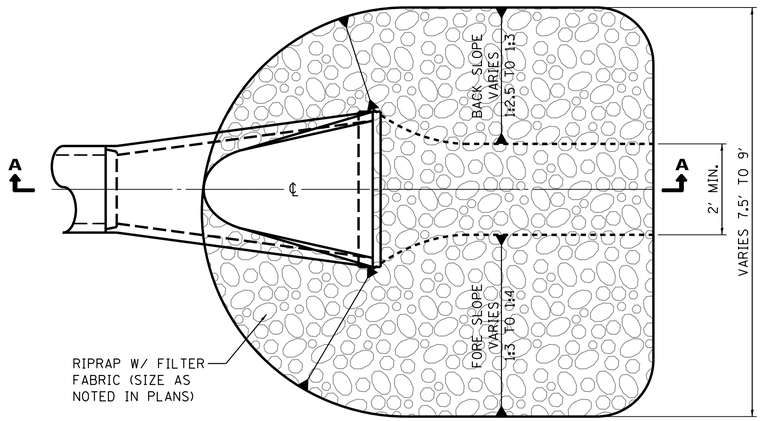
EROSION CONTROL & SEEDING DETAILS

SCALE: SHEET NO. 5 OF 6 SHEETS STA. 85+70.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	32

CONTRACT NO.

ILLINOIS FED. AID PROJECT



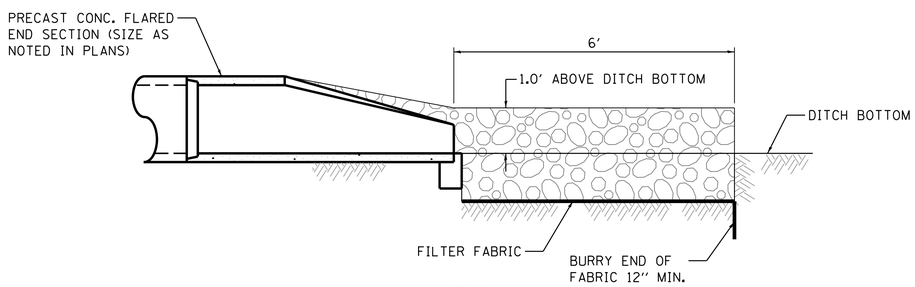
PLAN VIEW

PIPE OUTLET NOTES:

1. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING OF THE RIPRAP.

2. THE ROCK RIPRAP SHALL MEET THE REQUIREMENTS OF SECTION 1005 OF THE STANDARD SPECIFICATIONS FOR GRADATION RR3.

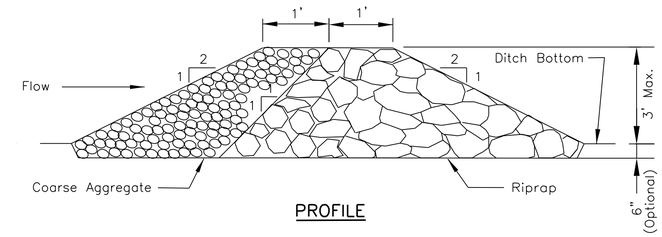
3. THE RIPRAP SHALL BE PLACED ACCORDING TO THE CONSTRUCTION SPECIFICATION OF SECTION 281 THE STANDARD SPECIFICATIONS.



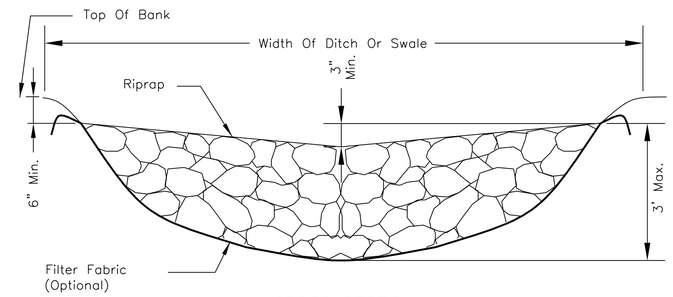
SECTION A-A

PIPE OUTLET DETAIL

STD. IL-610
(PIPE OUTLET TO FLAT AREA)



PROFILE



CROSS SECTION
CENTERLINE LOOKING DOWNSTREAM

AGGREGATE DITCH CHECK

STD. IL-605CA
(ROCK CHECK DAM - COARSE AGGREGATE)

NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II, OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.

2. COARSE AGGREGATE SHALL MEET ONE OF THE FOLLOWING IDOT GRADATIONS, CA-1, CA-2, CA-3, OR CA-4.

3. RIPRAP SHALL MEET IDOT GRADATION RR-3 OR RR-4 AND MEET QUALITY DESIGNATION A.

4. COARSE AGGREGATE AND RIPRAP SHALL BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.

5. FOR ADDED STABILITY, THE BASE OF THE DAM MAY BE KEYED 6 INCHES INTO THE SOIL.

6. MAXIMUM DRAINAGE AREA TO EACH DAM IS 10 ACRES.

7. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA MAY BE USED FOR DRAINAGE AREAS UNDER 2 ACRES.

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PLOT SCALE = 1:10	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

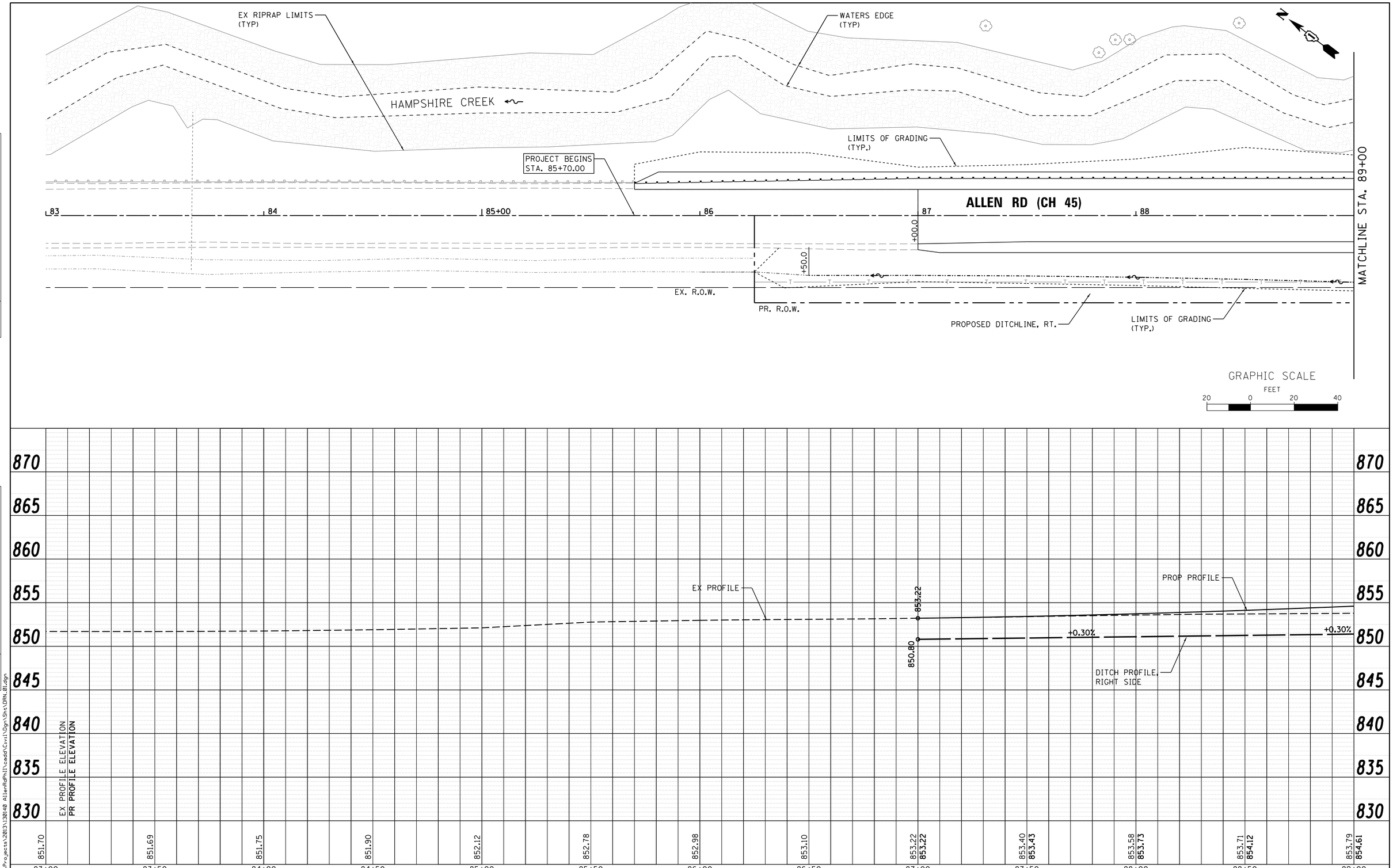
EROSION CONTROL
& SEEDING DETAILS

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	33

CONTRACT NO.

ILLINOIS FED. AID PROJECT



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BLM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
BY
DATE

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\DRN_01.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

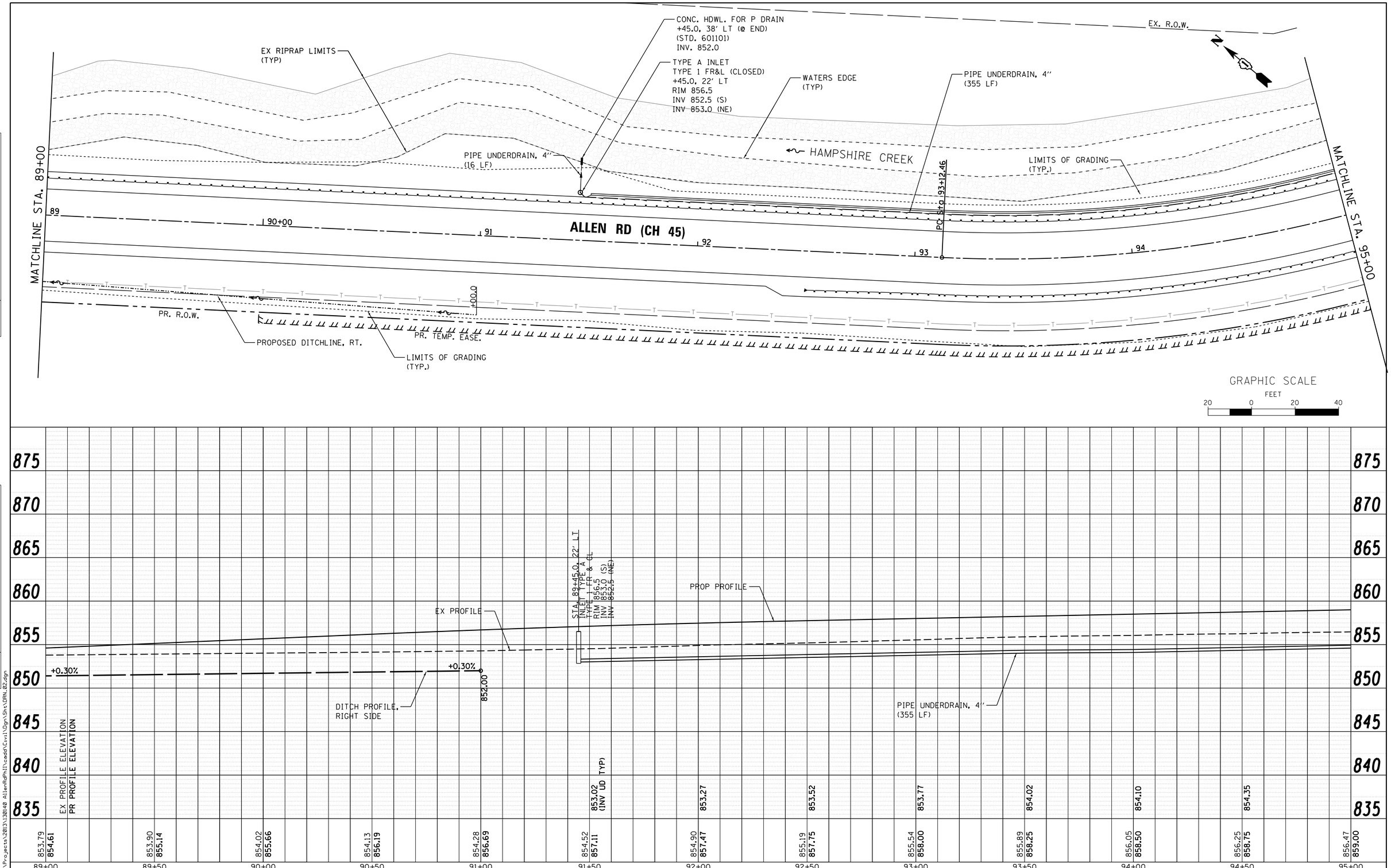
DRAINAGE & UTILITY
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 85+70.00 TO STA. 89+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	34

CONTRACT NO.

ILLINOIS FED. AID PROJECT



PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK			
NO.			

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
BM. NOTED			
STRUCTURE NOTATNS CHKD			
NOTE BOOK			
NO.			

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\DRN_02.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

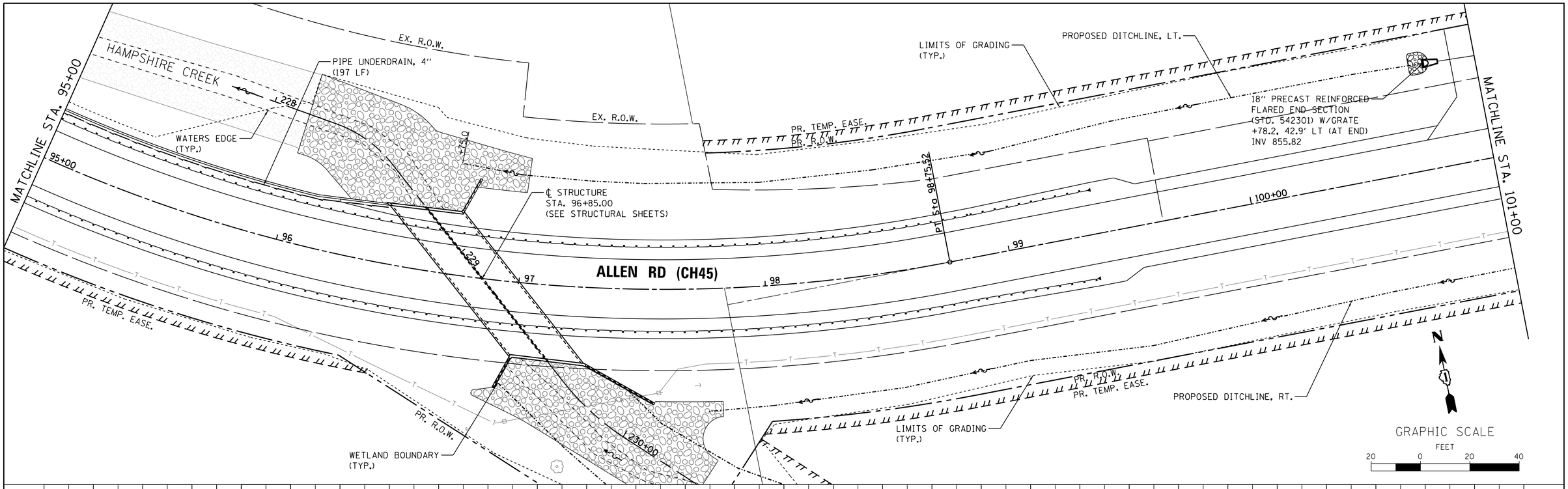
DRAINAGE & UTILITY
PLAN & PROFILE

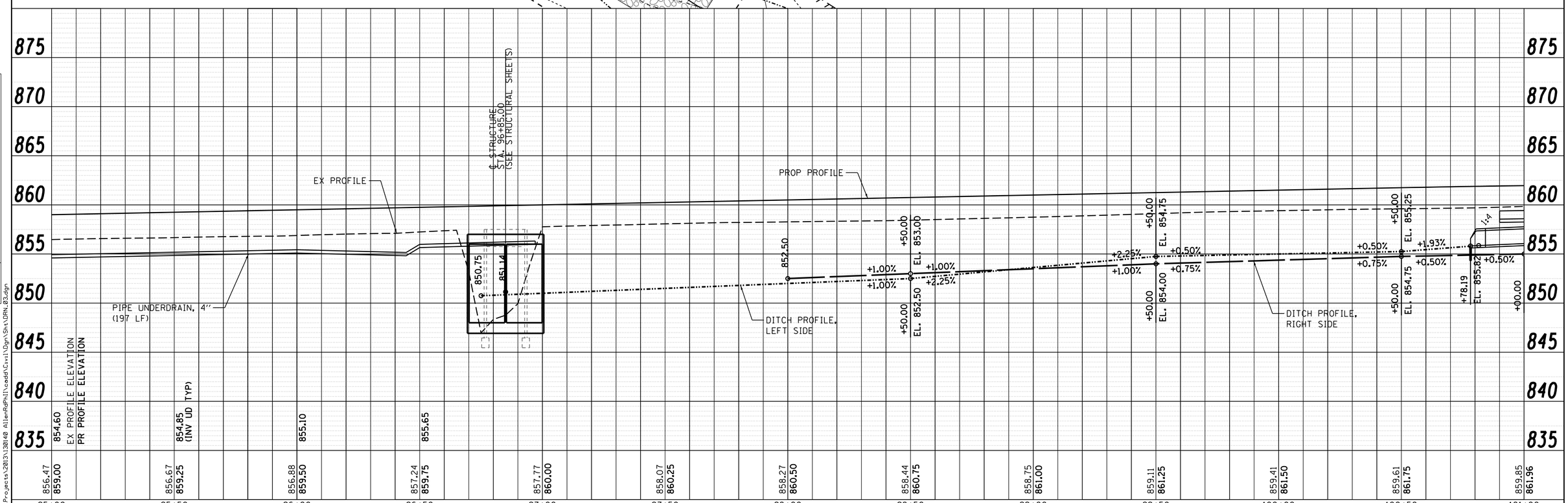
SCALE: 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 89+00.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	35

CONTRACT NO.

ILLINOIS FED. AID PROJECT





PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BKM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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

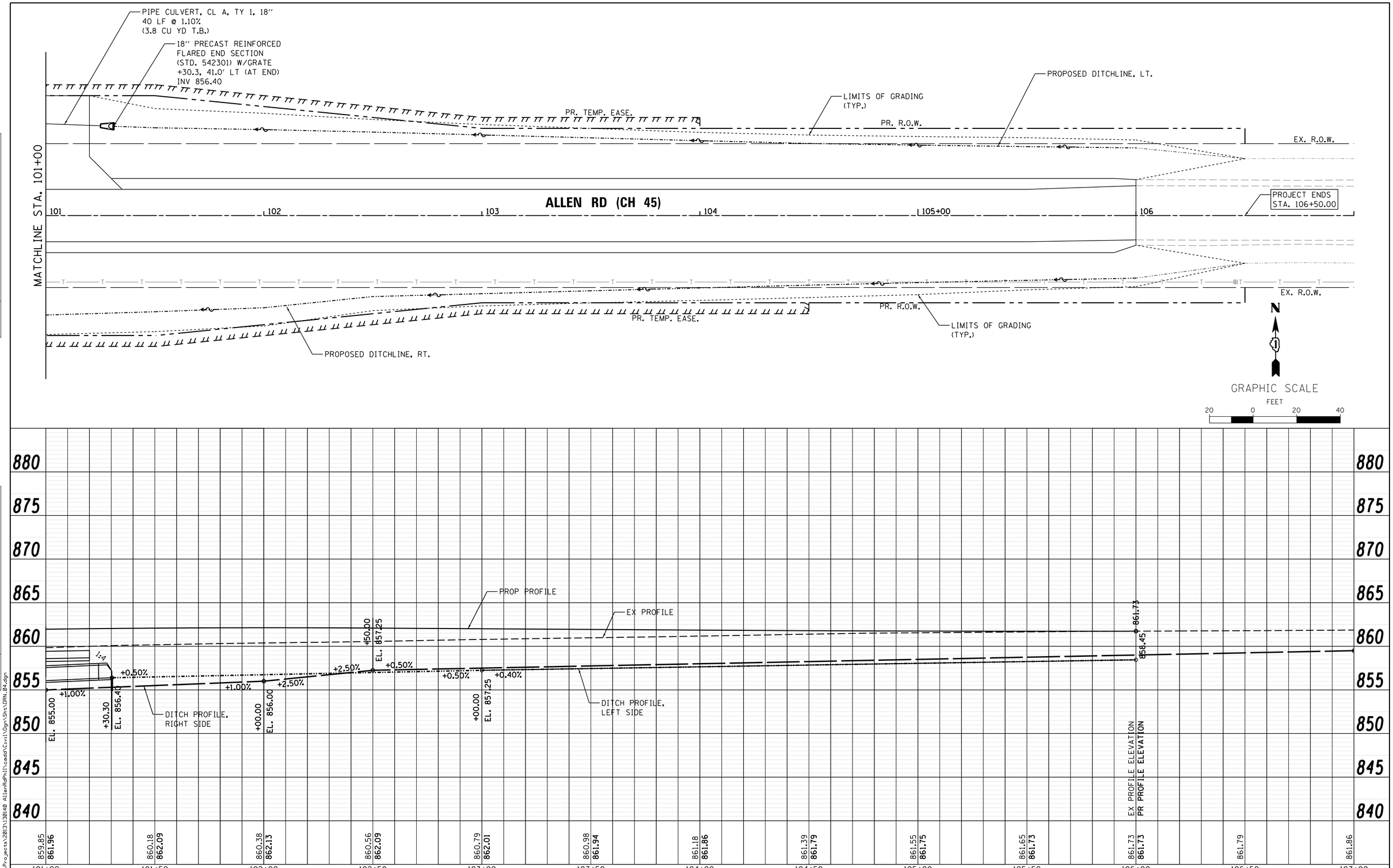
USER NAME = nparris	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:20	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 95+00.00 TO STA. 101+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	36
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
BLM. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

FILE NAME = W:\Projects\2013\130140 AllenRdPhil\cadd\Civil\Dgn\Sht\DRN_04.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

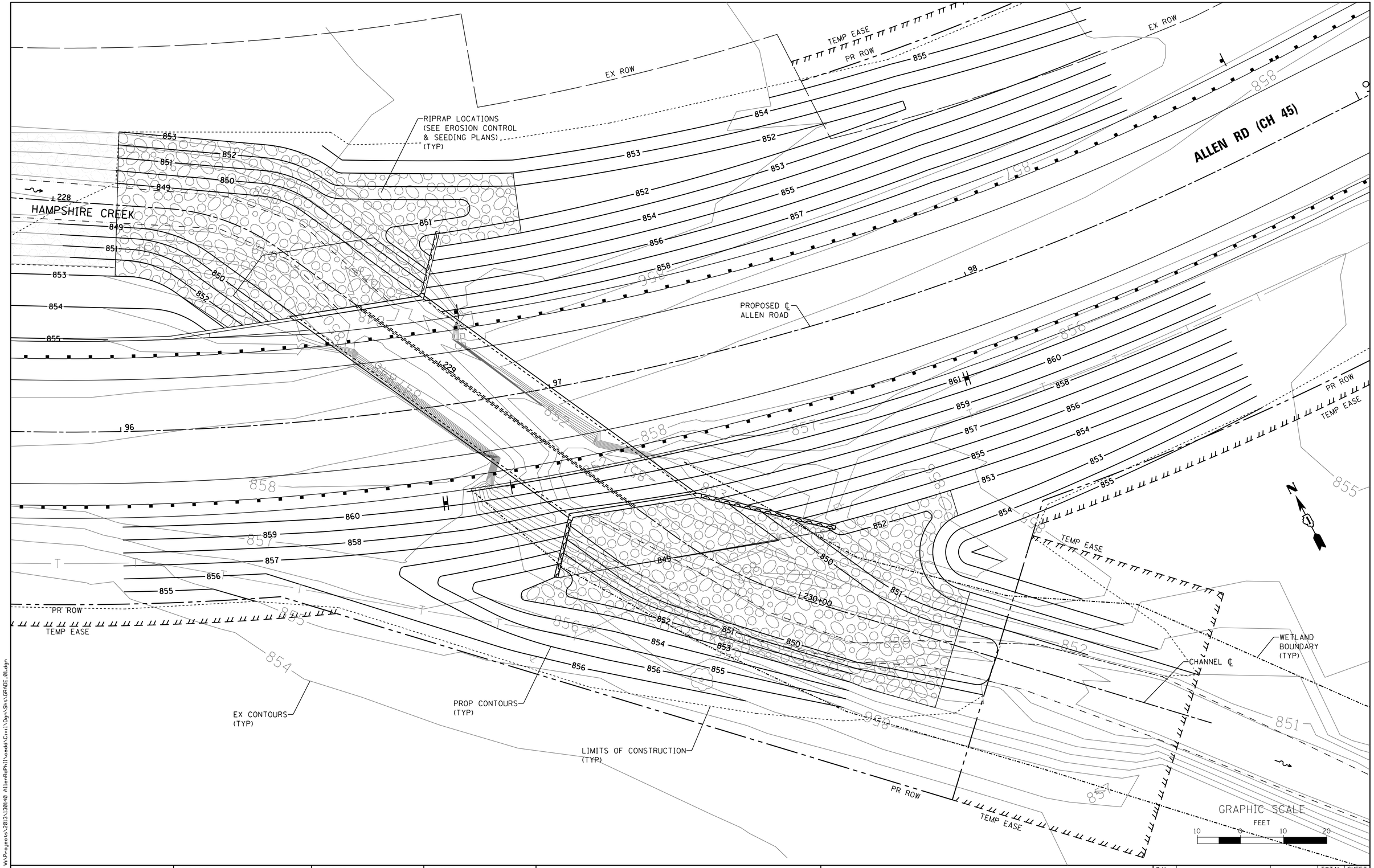
DRAINAGE & UTILITY
PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 101+00.00 TO STA. 106+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	37

CONTRACT NO.

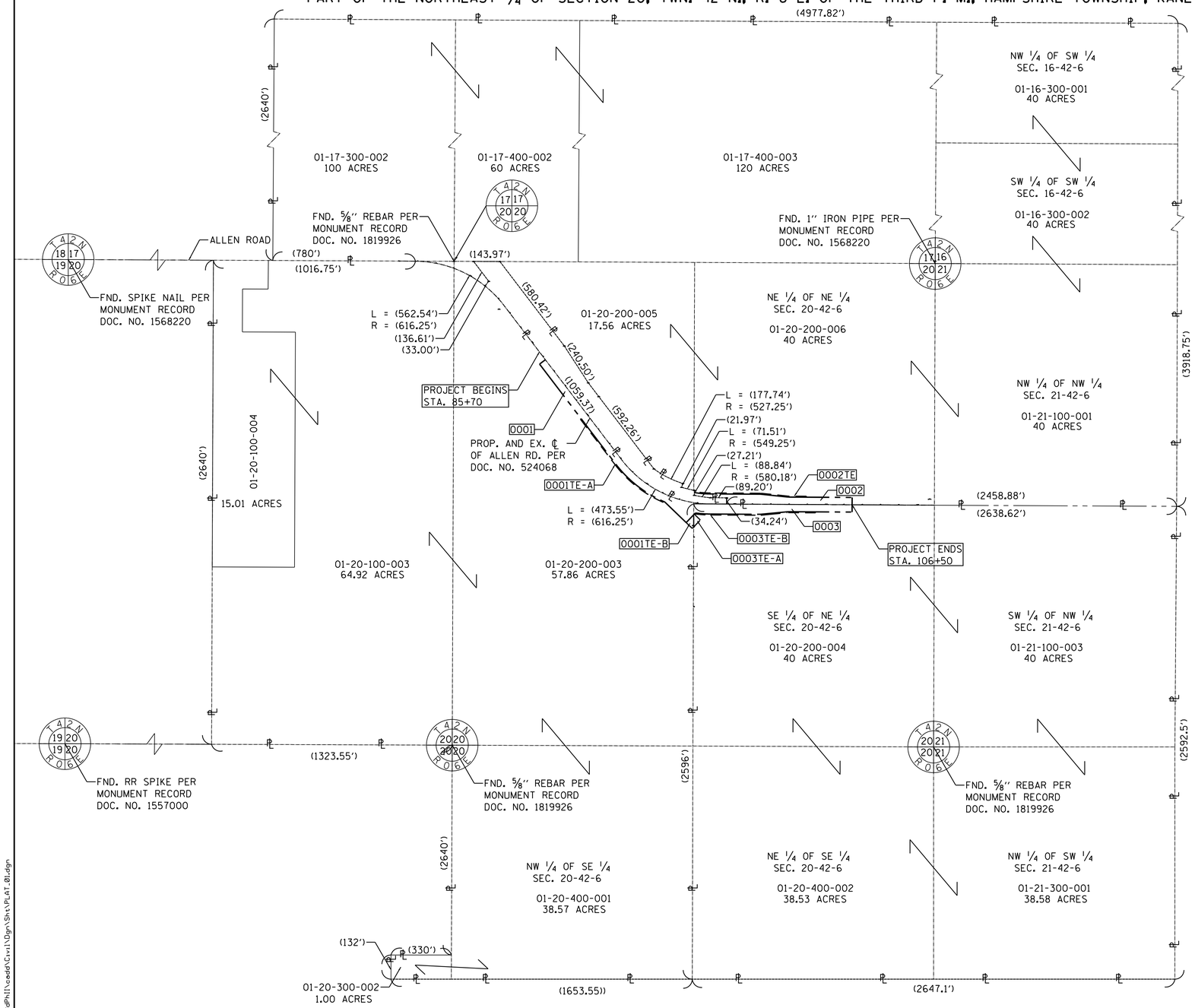
ILLINOIS FED. AID PROJECT



FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\GRADE.01.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRADING PLAN	C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			45	11-00132-01-BR	KANE	84	38
	PLOT SCALE = 1:10	CHECKED -	REVISED -					CONTRACT NO.		
	PLOT DATE = 5/29/2015	DATE -	REVISED -		SCALE: 1"=10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

PART OF THE NORTHEAST 1/4 OF SECTION 20, TWN. 42 N., R. 6 E. OF THE THIRD P. M., HAMPSHIRE TOWNSHIP, KANE COUNTY, ILLINOIS.



CENTERLINE OF ALLEN RD.					
				NORTHING	EASTING
LINE 1	S37°20'11"E 1060.19'		POT	1982543.49	923234.81
CURVE 1	LENGTH	563.06	PC	1981700.54	923877.80
	RADIUS	616.25'	PT	1981458.05	924364.40
	CHORD	543.67'			
	BEARING	S63°30'41"E			
LINE 2	S89°41'11"E 1316.23'		POT	1981451.35	925588.85

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
PROPERTY LINE
CENTERLINE
EXISTING R.O.W. LINE
EXISTING EASEMENT LINE
PROPOSED R.O.W. LINE
PROPOSED EASEMENT LINE

XXX.XX'	MEASURED DIMENSION
(XXX.XX')	RECORDED DATA
IP	IRON PIPE OR ROD FOUND
	FOUND DISK
PK	P.K. NAIL FOUND
	R.O.W. MARKER FOUND

N

GRAPHIC SCALE
FEET
0 300
SCALE: 1" = 300'

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

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

■ — STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJESTMENT), EAST ZONE.

PROPERTY LINES ARE SHOWN FOR TOTAL HOLDING PURPOSES ONLY. SURVEY WAS COMPLETED FOR RIGHT OF WAY OF ALLEN ROAD ONLY.

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 42 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KANE COUNTY DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 18th DAY OF DECEMBER A.D., 2013
AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015

PROFESSIONAL LAND SURVEYOR
RUDY P. DIXON
035-003832
SAINT CHARLES, ILLINOIS
STATE OF ILLINOIS

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

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

C.H. 45 (ALLEN ROAD)

LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION: 11-00132-01-BR JOB NO.: R-55-001-97
STATION 85+70 TO STATION 106+50
SCALE: 1" = 300' SHEET 2 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

FILE NAME = W:\Projects\2013\13140 AllenRdPhII\cadd\Civil\Dgn\Sht\PLAT_01.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:315	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

REVISION DATE: REVISION MADE BY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
FOR REFERENCE ONLY

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	39

CONTRACT NO.

ILLINOIS FED. AID PROJECT

PART OF THE NORTHEAST 1/4 OF SECTION 20, TWN. 42 N., R. 6 E. OF THE THIRD P. M., HAMPSHIRE TOWNSHIP, KANE COUNTY, ILLINOIS.

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

	SECTION LINE
	QUARTER SECTION LINE
℄	PROPERTY LINE
	CENTERLINE
	EXISTING R.O.W. LINE
	EXISTING EASEMENT LINE
	PROPOSED R.O.W. LINE
	PROPOSED EASEMENT LINE
XXX.XX'	MEASURED DIMENSION
(XXX.XX')	RECORDED DATA
IP	IRON PIPE OR ROD FOUND
	FOUND DISK
PK	P.K. NAIL FOUND
	R.O.W. MARKER FOUND

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

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

■ — STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJESTMENT), EAST ZONE.

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 42 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KANE COUNTY DEPARTMENT OF TRANSPORTATION.

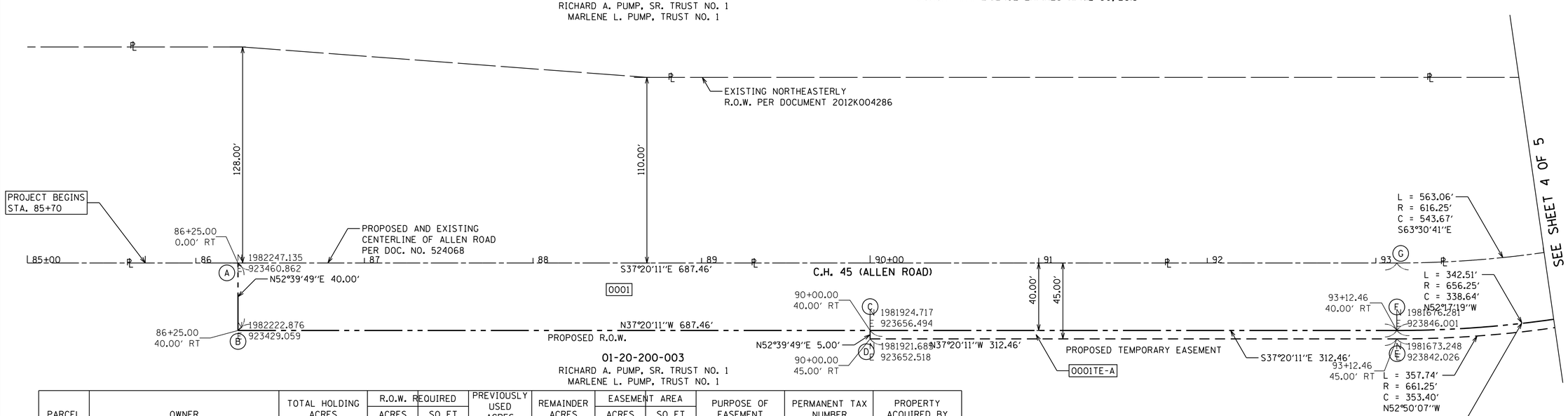
GIVEN UNDER MY HAND AND SEAL THIS 18th DAY OF DECEMBER A.D., 2013
AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon

RUDY P. DIXON 035-3832 SAINT CHARLES ILLINOIS STATE OF ILLINOIS PROFESSIONAL LAND SURVEYOR

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015

GRAPHIC SCALE
FEET 0 30
SCALE: 1" = 30'



PARCEL	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	R.O.W. REQUIRED SQ FT	PREVIOUSLY USED ACRES	REMAINDER ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQ FT	PURPOSE OF EASEMENT	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
0001	RICHARD A. PUMP, SR., AS TRUSTEE UNDER THE PROVISION OF A TRUST AGREEMENT KNOWN AS THE RICHARD A. PUMP, SR. TRUST NO. 1, DATED FEBRUARY 27, 2002 AND LAST RESTATED APRIL 11, 2007, AS TO AN UNDIVIDED ONE HALF INTEREST, AND MARLENE L. PUMP, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT KNOW AS THE MARLENE L. TRUST NO. 1, DATED FEBRUARY 27, 2002 AND LAST RESTATED APRIL 11, 2007, AS TO AN UNDIVIDED ONE-HALF INTEREST	177.49	1.231	53592.78	0.894	176.26	N/A	N/A	N/A	01-20-200-003	
0001TE-A							0.076	3313.22	CONSTRUCTION	01-20-200-006	
0001TE-B							0.038	1640.85	CONSTRUCTION	01-20-100-003	
										01-20-100-004	
										01-20-400-001	
										01-20-300-002	
0002		457.3	0.799	34783.21	0.520	456.50	N/A	N/A	N/A	01-20-200-005	
0002TE							0.071	3073.67	CONSTRUCTION	01-20-200-006	
										01-16-300-002	
										01-17-400-002	
										01-17-400-003	
										01-16-300-001	
										01-17-300-002	
										01-21-100-001	
0003	ALBERT J. GEHRINGER, AS TRUSTEE UNDER TRUST AGREEMENT DATED MARCH 30, 1996 AND KNOWN AS TRUST NUMBER 33096	157.02	0.944	41124.90	0.652	156.16	N/A	N/A	N/A	01-20-200-004	
0003TE-A							0.030	1323.63	CONSTRUCTION	01-20-400-002	
0003TE-B							0.076	3302.04	CONSTRUCTION	01-21-100-003	
										01-21-300-001	

GRID COORDINATE TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
A	1,982,247.135	923,460.862	86+25.00	0.00' RT
B	1,982,222.876	923,429.059	86+25.00	40.00' RT
C	1,981,924.717	923,656.494	90+00.00	40.00' RT
D	1,981,921.685	923,652.518	90+00.00	45.00' RT
E	1,981,673.248	923,842.026	93+12.46	45.00' RT
F	1,981,676.281	923,846.001	93+12.46	40.00' RT
G	1,981,700.540	923,877.805	93+12.46	0.00' RT

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

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

C.H. 45 (ALLEN ROAD)

LIMITS: SEE STA. RANGE — COUNTY: KANE
SECTION: 11-00132-01-BR — JOB NO.: R-55-001-97
STATION 85+70 — TO STATION 106+50
SCALE: 1" = 30' — SHEET 3 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: REVISION MADE BY

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\PLAT_02.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 1:31.5	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
FOR REFERENCE ONLY

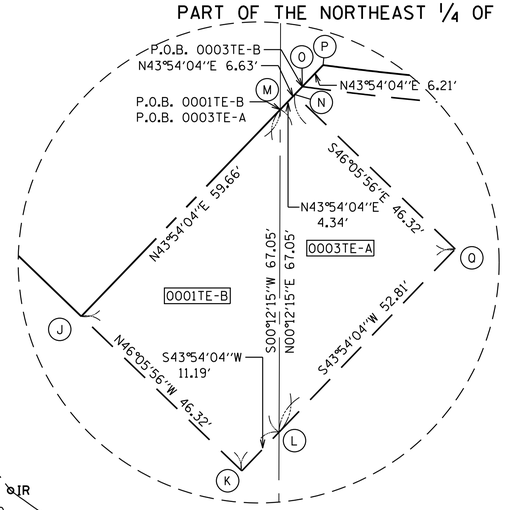
SCALE: N.T.S. | SHEET NO. 2 OF 4 SHEETS | STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	40

CONTRACT NO.

ILLINOIS FED. AID PROJECT

PART OF THE NORTHEAST 1/4 OF SECTION 20, TWN. 42 N., R. 6 E. OF THE THIRD P. M., HAMPSHIRE TOWNSHIP, KANE COUNTY, ILLINOIS.



INSERT A
NOT TO SCALE

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 42 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KANE COUNTY DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 18th DAY OF DECEMBER A.D., 2013
AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015

PROFESSIONAL LAND SURVEYOR RUDY P. DIXON 035-003832 SAINT CHARLES ILLINOIS STATE OF ILLINOIS

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

	SECTION LINE
	QUARTER SECTION LINE
℄	PROPERTY LINE
	CENTERLINE
	EXISTING R.O.W. LINE
	EXISTING EASEMENT LINE
	PROPOSED R.O.W. LINE
	PROPOSED EASEMENT LINE
XXX.XX'	MEASURED DIMENSION
(XXX.XX')	RECORDED DATA
IP	IRON PIPE OR ROD FOUND WITH BRASS CAP
	FOUND DISK
PK	P.K. NAIL FOUND
	R.O.W. MARKER FOUND

N

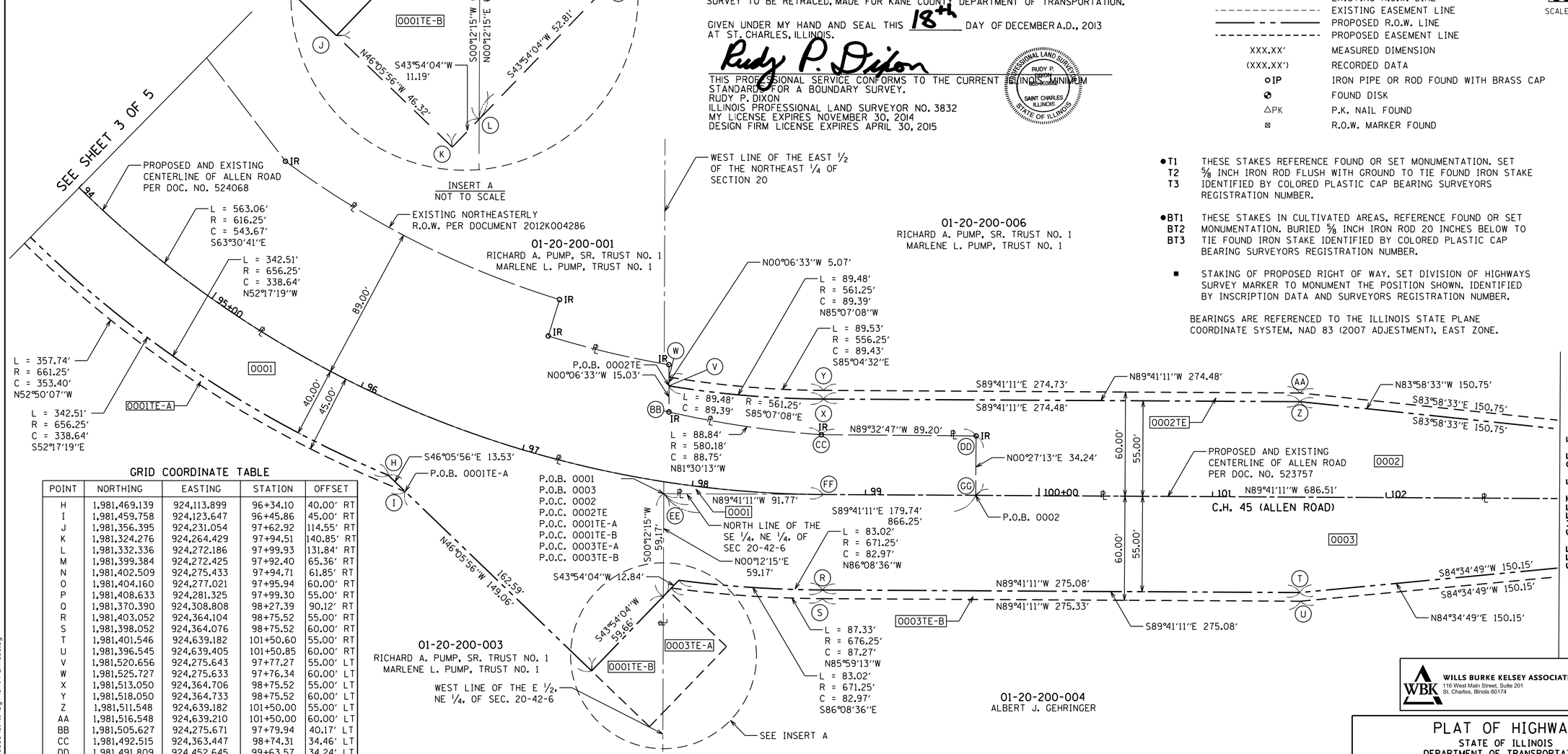
GRAPHIC SCALE
FEET
0 30
SCALE: 1" = 30'

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

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

■ — STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJESTMENT), EAST ZONE.



GRID COORDINATE TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
H	1,981,469.139	924,113.899	96+34.10	40.00' RT
I	1,981,459.758	924,123.647	96+45.86	45.00' RT
J	1,981,356.395	924,231.054	97+62.92	114.55' RT
K	1,981,324.276	924,264.429	97+94.51	140.85' RT
L	1,981,332.336	924,272.186	97+99.93	131.84' RT
M	1,981,399.384	924,272.425	97+92.40	65.36' RT
N	1,981,402.509	924,275.433	97+94.71	61.85' RT
O	1,981,404.160	924,277.021	97+95.94	60.00' RT
P	1,981,408.633	924,281.325	97+99.30	55.00' RT
Q	1,981,370.390	924,308.808	98+27.39	90.12' RT
R	1,981,403.052	924,364.104	98+75.52	55.00' RT
S	1,981,398.052	924,364.076	98+75.52	60.00' RT
T	1,981,401.546	924,639.182	101+50.60	55.00' RT
U	1,981,396.545	924,639.405	101+50.85	60.00' RT
V	1,981,520.656	924,275.643	97+77.27	55.00' LT
W	1,981,525.727	924,275.633	97+76.34	60.00' LT
X	1,981,513.050	924,364.706	98+75.52	55.00' LT
Y	1,981,518.050	924,364.733	98+75.52	60.00' LT
Z	1,981,511.548	924,639.182	101+50.00	55.00' LT
AA	1,981,516.548	924,639.210	101+50.00	60.00' LT
BB	1,981,505.627	924,275.671	97+79.94	40.17' LT
CC	1,981,492.515	924,363.447	98+74.31	34.46' LT
DD	1,981,491.809	924,452.645	99+63.57	34.24' LT
EE	1,981,458.554	924,272.636	97+84.42	6.80' RT
FF	1,981,458.051	924,364.405	98+75.52	0.00' RT
GG	1,981,457.570	924,452.374	99+63.49	0.00' RT

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

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
C.H. 45 (ALLEN ROAD)

LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION: 11-00132-01-BR JOB NO.: R-55-001-97
STATION 85+70 TO STATION 106+50
SCALE: 1" = 30' SHEET 4 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\Plat-03.dgn

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St. Charles, Illinois 60174

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	DRAWN -	REVISED -	
PLOT SCALE = 1:31.5	CHECKED -	REVISED -	
PLOT DATE = 5/29/2015	DATE -	REVISED -	

REVISION DATE: REVISION MADE BY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
FOR REFERENCE ONLY

SCALE: N.T.S. | SHEET NO. 3 OF 4 SHEETS | STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	41

CONTRACT NO.
ILLINOIS FED. AID PROJECT

PART OF THE NORTHEAST 1/4 OF SECTION 20, TWN. 42 N., R. 6 E. OF THE THIRD P. M., HAMPSHIRE TOWNSHIP, KANE COUNTY, ILLINOIS.

GRID COORDINATE TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
HH	1,981,415.728	924,788.660	103+00.00	40.00' RT
II	1,981,410.728	924,788.660	103+00.00	45.00' RT
JJ	1,981,414.907	924,938.658	104+50.00	40.00' RT
KK	1,981,409.908	924,938.630	104+50.00	45.00' RT
LL	1,981,413.813	925,138.655	106+50.00	40.00' RT
MM	1,981,495.727	924,789.098	103+00.00	40.00' LT
NN	1,981,500.726	924,789.375	103+00.00	45.00' LT
OO	1,981,495.180	924,889.096	104+00.00	40.00' LT
PP	1,981,500.180	924,889.124	104+00.00	45.00' LT
QQ	1,981,493.812	925,139.093	106+50.00	40.00' LT
RR	1,981,453.812	925,138.874	106+50.00	00.00' RT

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 42 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR KANE COUNTY DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 18th DAY OF DECEMBER A.D., 2013
AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015

PROFESSIONAL LAND SURVEYOR RUDY P. DIXON 035-003832 SAINT CHARLES ILLINOIS STATE OF ILLINOIS

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

	SECTION LINE
	QUARTER SECTION LINE
	PROPERTY LINE
	CENTERLINE
	EXISTING R.O.W. LINE
	EXISTING EASEMENT LINE
	PROPOSED R.O.W. LINE
	PROPOSED EASEMENT LINE
XXX.XX'	MEASURED DIMENSION
(XXX.XX')	RECORDED DATA
IP	IRON PIPE OR ROD FOUND
	FOUND DISK
PK	P.K. NAIL FOUND
	R.O.W. MARKER FOUND

N

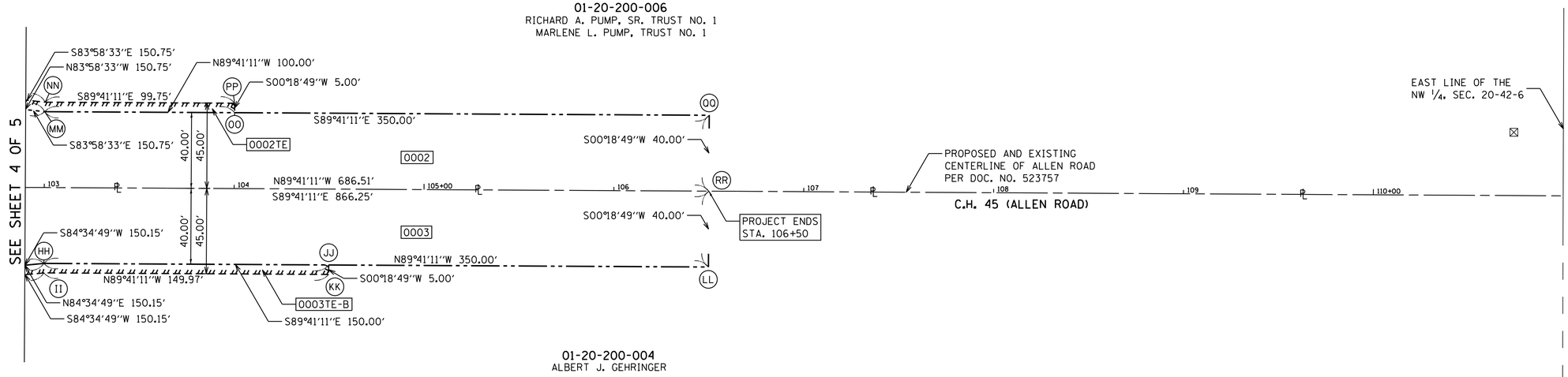
GRAPHIC SCALE FEET
0 30
SCALE: 1" = 30'

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

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

■ — STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJESTMENT), EAST ZONE.



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St. Charles, Illinois 60174

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

C.H. 45 (ALLEN ROAD)

LIMITS: SEE STA. RANGE — COUNTY: KANE
SECTION: 11-00132-01-BR — JOB NO.: R-55-001-97
STATION 85+70 — TO STATION 106+50
SCALE: 1" = 30' — SHEET 5 OF 5

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: REVISION MADE BY

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St. Charles, Illinois 60174

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	DRAWN -	REVISED -
PLOT SCALE = 1:31.5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
FOR REFERENCE ONLY

SCALE: N.T.S. — SHEET NO. 4 OF 4 SHEETS — STA. — TO STA.

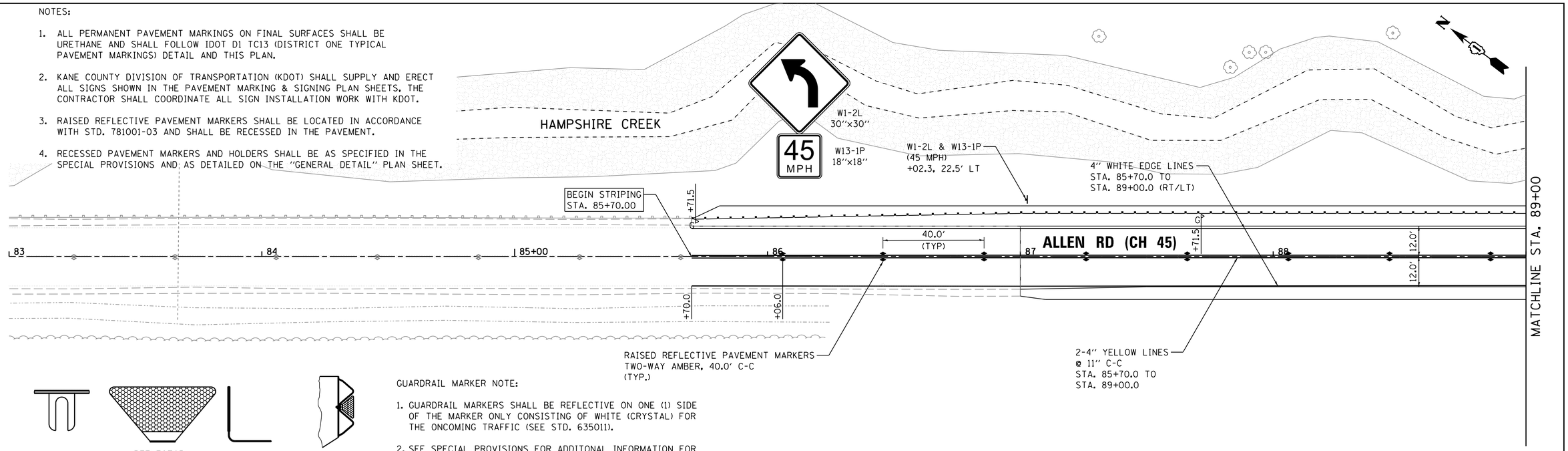
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	42

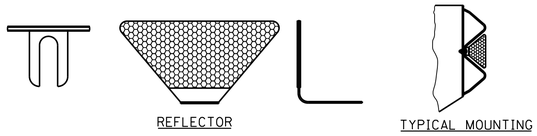
CONTRACT NO.

ILLINOIS FED. AID PROJECT

NOTES:

1. ALL PERMANENT PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE URETHANE AND SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
2. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL SIGNS SHOWN IN THE PAVEMENT MARKING & SIGNING PLAN SHEETS. THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH KDOT.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE LOCATED IN ACCORDANCE WITH STD. 781001-03 AND SHALL BE RECESSED IN THE PAVEMENT.
4. RECESSED PAVEMENT MARKERS AND HOLDERS SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS AND AS DETAILED ON THE "GENERAL DETAIL" PLAN SHEET.





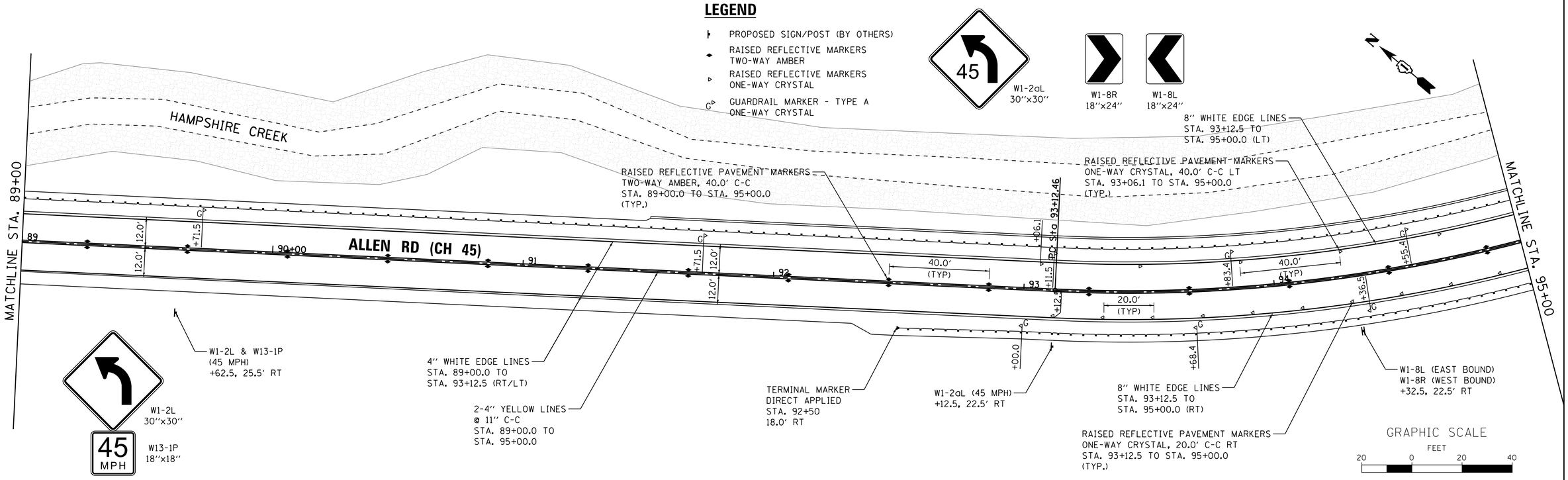
GUARDRAIL MARKER, TYPE A

GUARDRAIL MARKER NOTE:

1. GUARDRAIL MARKERS SHALL BE REFLECTIVE ON ONE (1) SIDE OF THE MARKER ONLY CONSISTING OF WHITE (CRYSTAL) FOR THE ONCOMING TRAFFIC (SEE STD. 635011).
2. SEE SPECIAL PROVISIONS FOR ADDITONAL INFORMATION FOR THE REFLECTIVE GUARDRAIL MARKER.
3. REFLECTIVE GUARDRAIL MARKERS WILL BE PAID FOR AS "GUARDRAIL MARKERS, TYPE A".

LEGEND

- PROPOSED SIGN/POST (BY OTHERS)
- RAISED REFLECTIVE MARKERS TWO-WAY AMBER
- RAISED REFLECTIVE MARKERS ONE-WAY CRYSTAL
- GUARDRAIL MARKER - TYPE A ONE-WAY CRYSTAL



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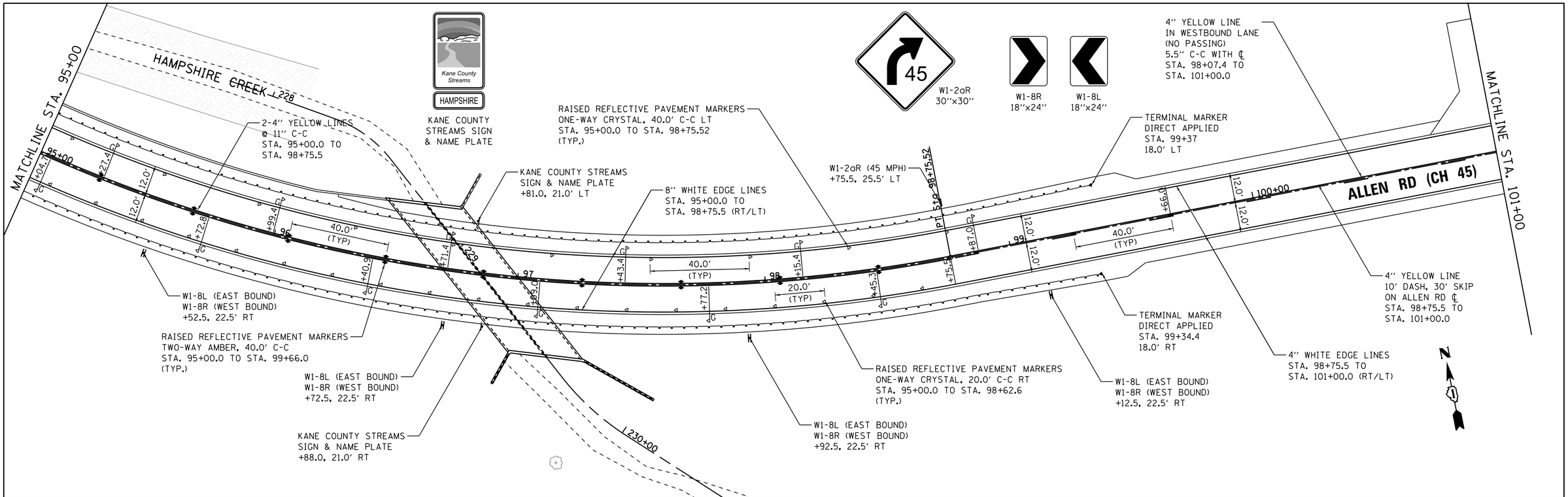
WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING & SIGNING PLAN	C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			45	11-00132-01-BR	KANE	84	43
	PLOT SCALE = 1:20	CHECKED -	REVISED -			CONTRACT NO.				
	PLOT DATE = 5/29/2015	DATE -	REVISED -		SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				



LEGEND

- PROPOSED SIGN/POST (BY OTHERS)
- RAISED REFLECTIVE MARKERS TWO-WAY AMBER
- RAISED REFLECTIVE MARKERS ONE-WAY CRYSTAL

NOTES:

1. ALL PERMANENT PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE URETHANE AND SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
2. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL SIGNS SHOWN IN THE PAVEMENT MARKING & SIGNING PLAN SHEETS, THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH KDOT.
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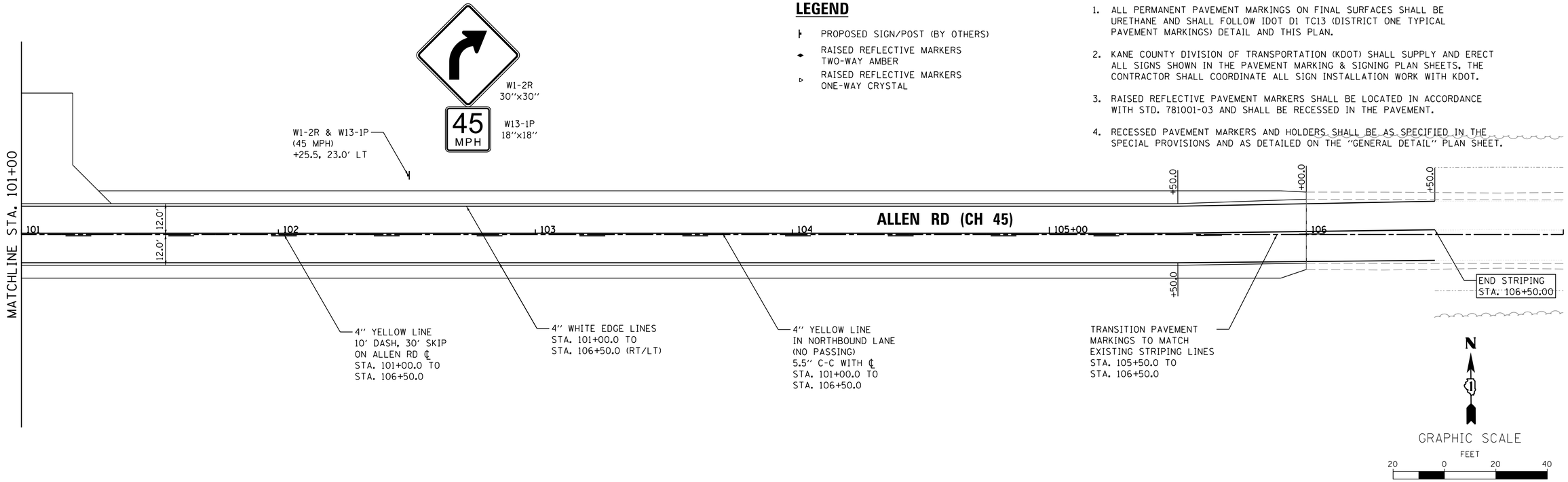

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNING PLAN

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	44

CONTRACT NO.

ILLINOIS FED. AID PROJECT

BENCHMARK

IL-KANE-20-42-6; Elev. 854.59

EXISTING STRUCTURE

Structure No. 045-3035, built in 1946 as C.H. 45, Section 132 B1-MFT at Sta. 96+85. In 1999 superstructure and substructre repairs were completed under Section 99-00239-00-BR. Steel bridge rail, guardrail and terminal sections were added in 2006. The existing structure is a single span 14-inch reinforced concrete slab superstructure with reinforced concrete closed abutments on spread footings The existing bridge length is 24'-10" back-to-back of abutments and measures 25'-1" face to face of concrete rail with an out-to-out deck width of 28'-6". The bridge is skewed 45° ahead right. The bridge deck has a bituminous overlay of approximately 7".

The existing bridge to be closed during construction and traffic detoured.

No salvage.

A precast alternate is not allowed at this site.

WATERWAY INFORMATION

Drainage Area = 5.6 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	2	436.0	68.5	96.7	853.85	0.32	0.35	854.17	854.20
	10	725.4	92.9	113.8	854.69	0.96	0.83	855.65	855.52
Design	30	1031.7	92.9	135.2	855.76	0.75	0.56	856.51	856.32
Base	100	1463.5	92.9	140	856.26	0.79	0.70	857.05	856.96
Overtopping									
Max. Calc.	100	1463.5	92.9	140	856.26	0.79	0.70	857.05	856.96

10-year velocity through existing bridge = 6 ft/s
10-year velocity through proposed culvert = 4.4 ft/s

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

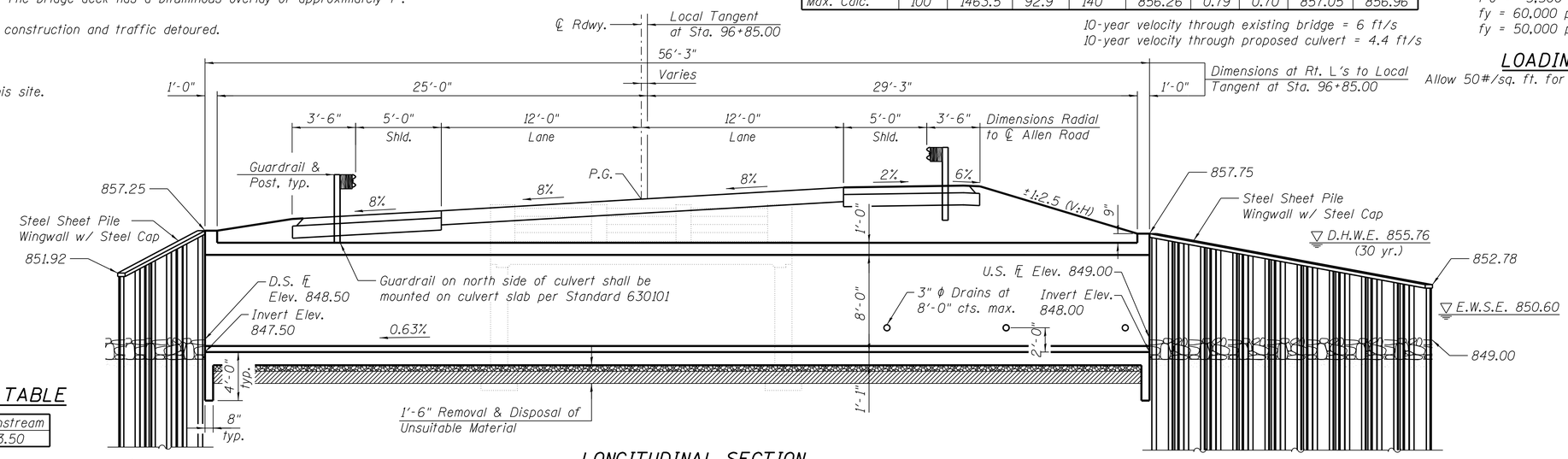
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

LOADING HL-93

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



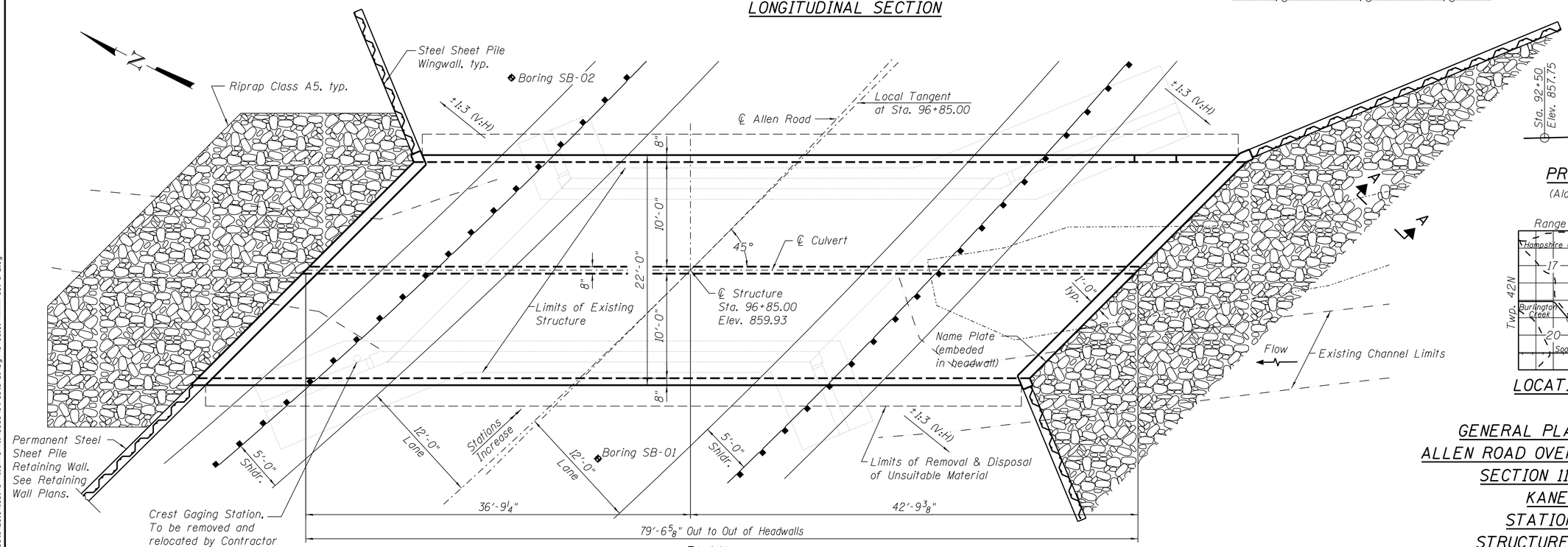
LONGITUDINAL SECTION

CURVE DATA

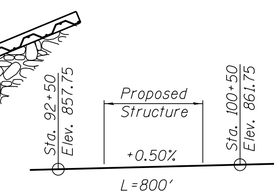
P.I. Sta. = 96+15.36
Δ = 52° 21' 00"
D = 9° 17' 51"
R = 616.25'
T = 302.90'
L = 563.06'
E = 70.42'
e = 8.0%
T.R. = 45.05'
S.E. Run = 225'
P.C. Sta. = 93+12.46
P.T. Sta. = 98+75.52

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	844.00	843.50

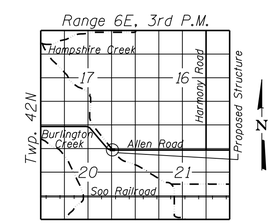


PLAN



PROFILE GRADE

(Along ℄ Allen Road)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ALLEN ROAD OVER HAMPSHIRE CREEK
SECTION 11-00132-01-BR
KANE COUNTY
STATION 96+85.00
STRUCTURE NO. 045-3185

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\0453181-xxxxx-001-GPE.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 8 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	45

CONTRACT NO.

ILLINOIS FED. AID PROJECT

GENERAL NOTES

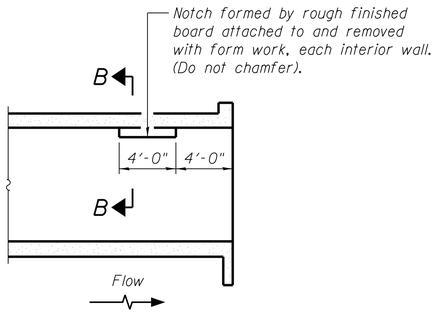
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the Engineer for variable subsurface conditions encountered in the field.
4. Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications. Cost shall be included in Concrete Box Culverts.

INDEX OF SHEETS

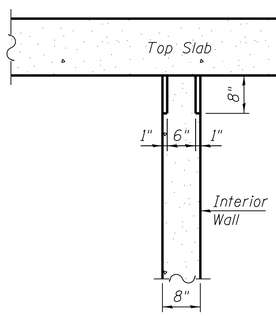
1. General Plan & Elevation
2. General Notes, Index of Sheets & Bill of Material
3. Box Culvert Details
4. Box Culvert and Steel Sheet Pile Wingwall Details

5-6. Soil Boring Logs

7-8. Existing Structural Plans



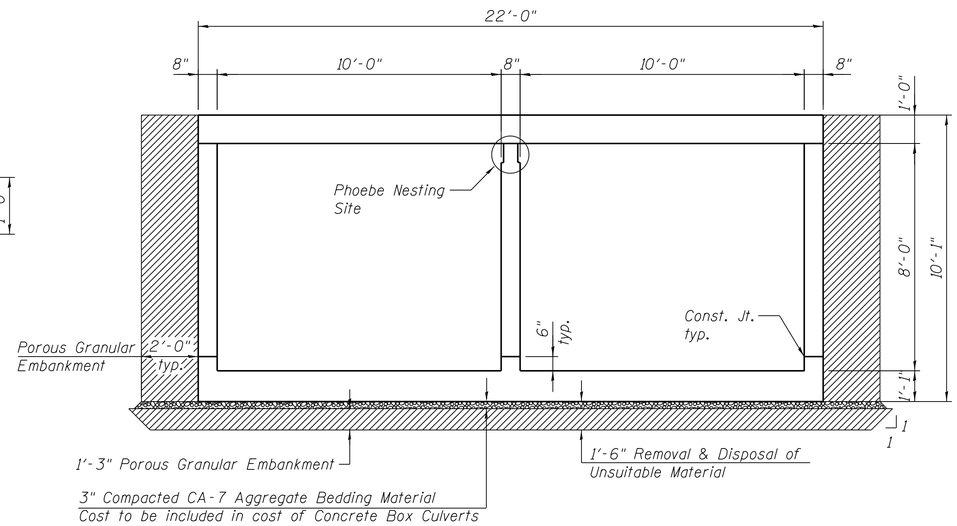
LONGITUDINAL SECTION



SECTION B-B

PHOEBE NESTING SITE DETAILS

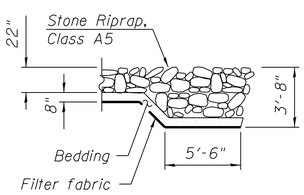
(Downstream End Only)



SECTION THRU BARREL

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	113
Porous Granular Embankment	Cu. Yd.	210.4
Stone Riprap, Class A5	Sq. Yd.	132
Filter Fabric	Sq. Yd.	132
Removal of Existing Structures	Each	1
Reinforcement Bars, Epoxy Coated	Pound	47,100
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	157.6
Permanent Steel Sheet Piling	Sq. Yd.	1,555

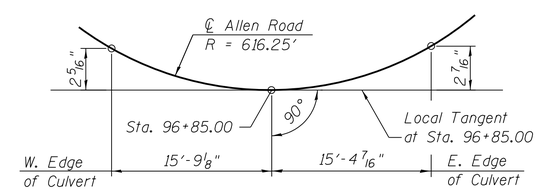


SECTION A-A

HAMPSHIRE CREEK
BUILT BY
KANE COUNTY
SEC. 11-00132-01-BR
C.H. 45 STA. 96+85
STR. NO. 045-3185 LOADING HL-93

NAME PLATE

See Std. 515001



OFFSET SKETCH

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PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

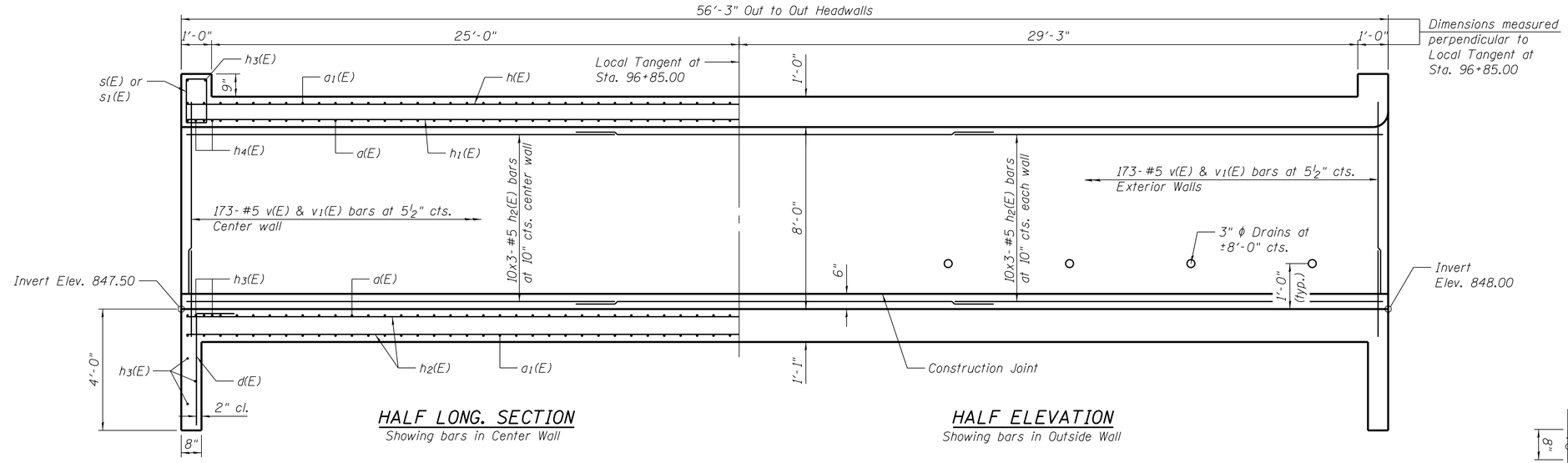
GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIAL
STRUCTURE NO. 045-3185

SHEET NO. 2 OF 8 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	46

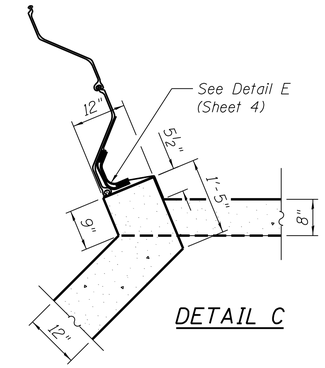
CONTRACT NO.

ILLINOIS FED. AID PROJECT

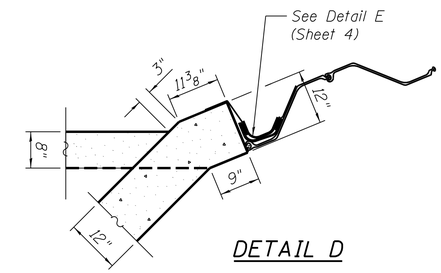


HALF LONG. SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

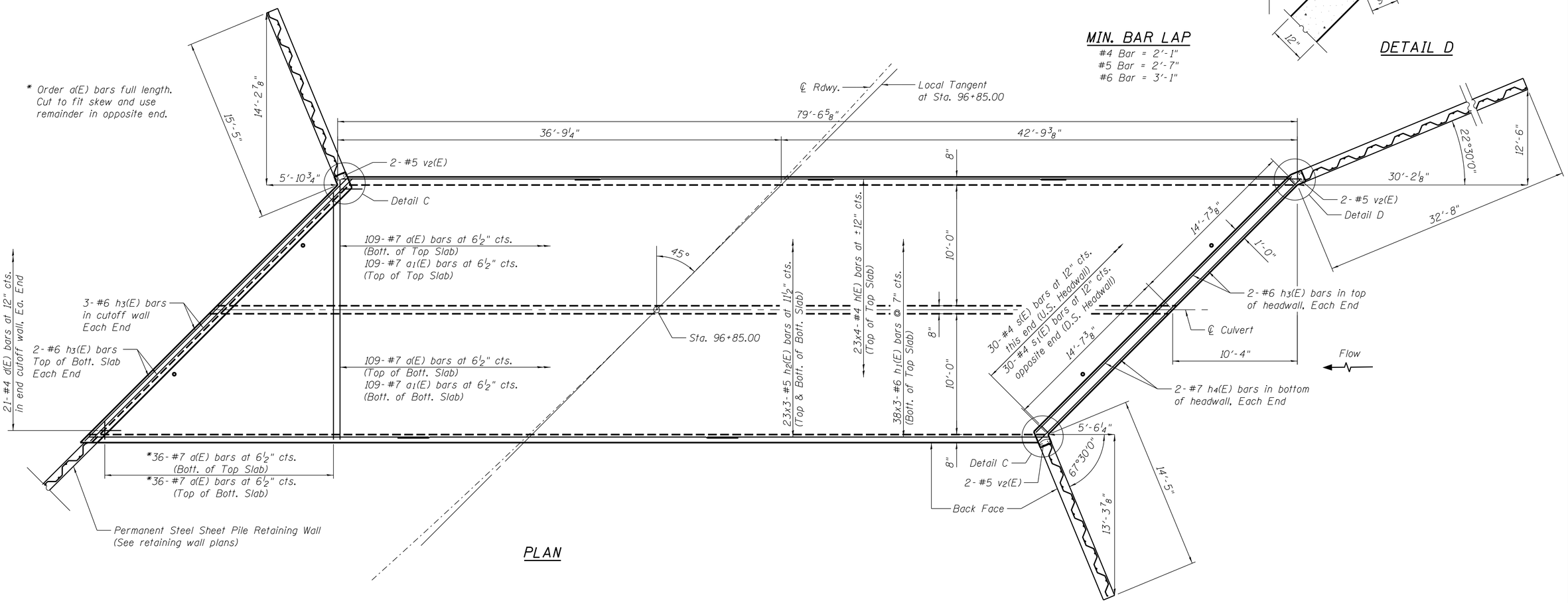


DETAIL C



DETAIL D

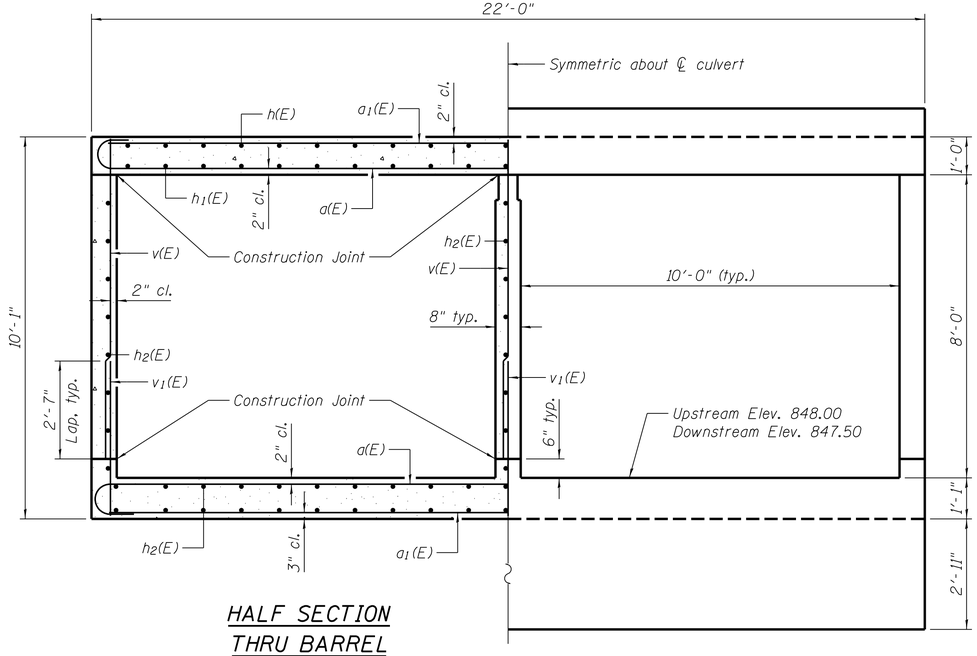
MIN. BAR LAP
#4 Bar = 2'-1"
#5 Bar = 2'-7"
#6 Bar = 3'-1"



PLAN

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\0453181-xxxxx-003-BoxCulvertDetails.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS STRUCTURE NO. 045-3185	C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84 / SHEET NO. 47
		CHECKED - AEU	REVISED -					CONTRACT NO.	
	PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -						
	PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -		SHEET NO. 3 OF 8 SHEETS		ILLINOIS FED. AID PROJECT		



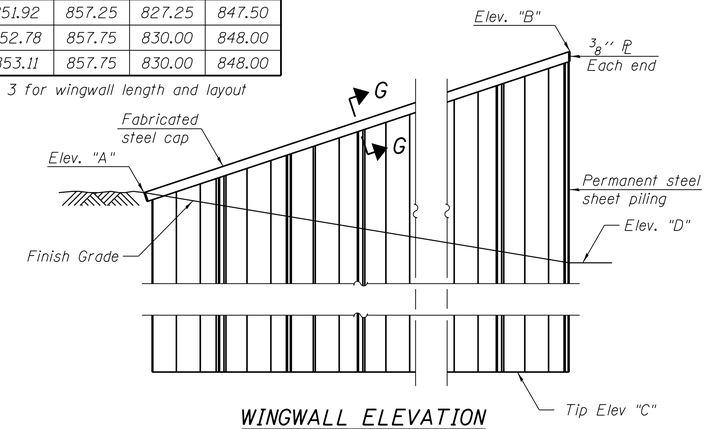
HALF SECTION THRU BARREL

HALF END ELEVATION

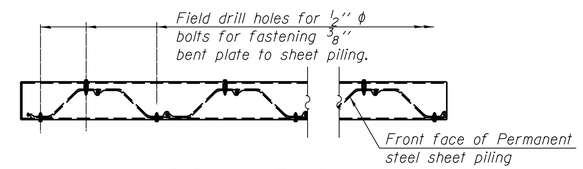
WINGWALL ELEVATIONS

	Elev. "A"	Elev. "B"	Tip "C"	Elev. "D"
NE Wingwall	851.92	857.25	827.25	847.50
SE Wingwall	852.78	857.75	830.00	848.00
SW Wingwall	853.11	857.75	830.00	848.00

Refer to Sheet 3 for wingwall length and layout



WINGWALL ELEVATION
(For NE, SE, & SW Wingwalls)
Sx = 23.64 in3/ft (min section modulus)

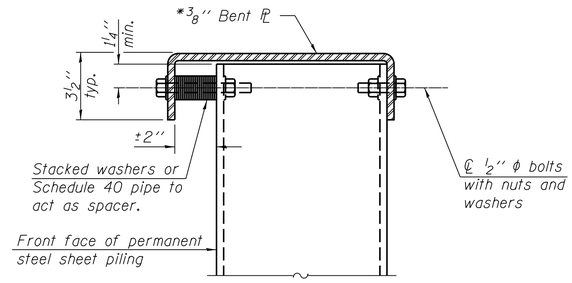


WINGWALL PLAN

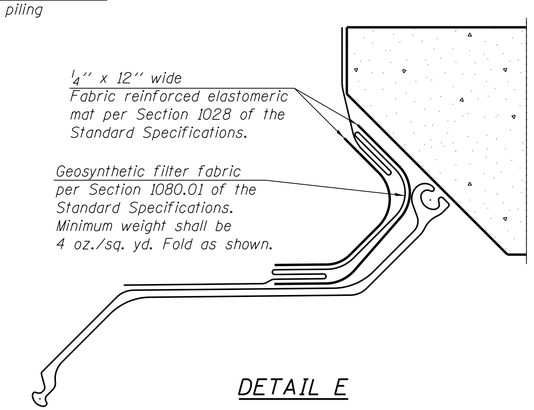
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	290	#7	23'-4"	
a1(E)	290	#7	21'-0"	
d(E)	42	#4	5'-6"	
h(E)	92	#4	21'-5"	
h1(E)	114	#6	28'-6"	
h2(E)	228	#5	28'-2"	
h3(E)	14	#6	30'-9"	
h4(E)	4	#7	30'-9"	
s(E)	30	#4	5'-1"	
s1(E)	30	#4	5'-3"	
v(E)	519	#5	8'-2"	
v1(E)	519	#5	4'-0"	
v2(E)	6	#5	12'-8"	
Concrete Box Culverts			Cu. Yd.	157.6
Reinforcement Bars, Epoxy Coated			Pound	47,100
Permanent Steel Sheet Piling			Sq. Ft.	1,555

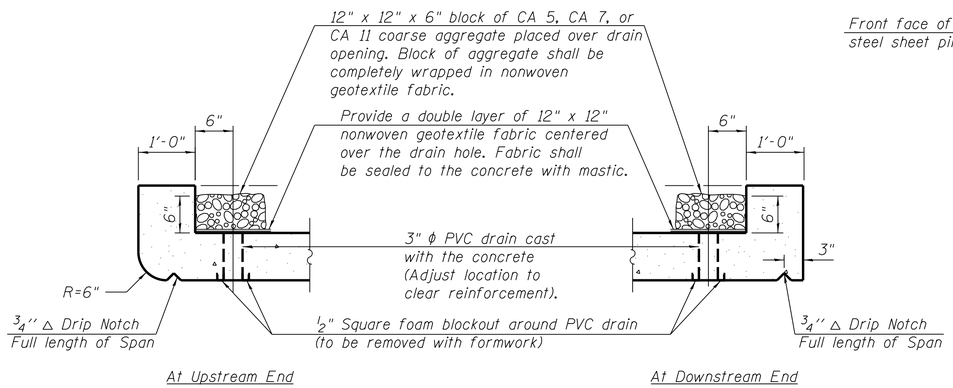
Bars indicated thus 6x4-#5 etc. indicated 6 lines of bars with 4 lengths per line.



SECTION G-G
*AASHTO M270 Grade 50W

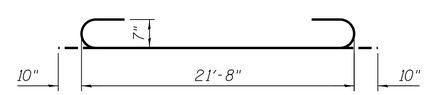


DETAIL E

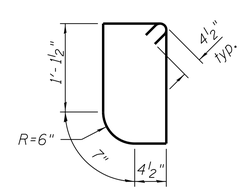


DRAIN DETAIL

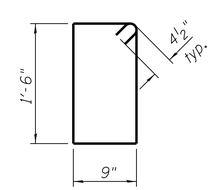
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for "Concrete Box Culverts".



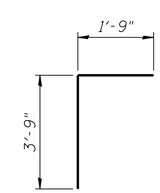
BAR a(E)



BAR s(E)



BAR s1(E)



BAR d(E)

Note:
All costs associated with the installation of the geosynthetic filter fabric, fabric reinforced elastomeric mat, and steel cap shall be included in the contract unit price for "Permanent Steel Sheet Piling" and shall not be paid for separately.

FILE NAME = W:\Projects\2013\130140 Allen&Phil\cadd\Structural\Dgn\0453181-xxxxx-004-Culver-&WWDetails.dgn

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

USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT AND STEEL SHEET PILE WINGWALL DETAILS
STRUCTURE NO. 045-3185

SHEET NO. 4 OF 8 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	48

CONTRACT NO.

ILLINOIS FED. AID PROJECT

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-01

WEI Job No.: 412-07-01

Client: **Wills Burke Kelsey Associates, Ltd.**
Project: **Allen Road over Hampshire Creek**
Location: **NE1/4, Sec 20, R6E, and T42N of 3rd PM**

Datum: NGVD
Elevation: 858.08 ft
North: 1981488.25 ft
East: 924157.13 ft
Station: 96+66.2
Offset: 6.5 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
857.5	7.5-Inch thick ASPHALT --PAVEMENT--					
	Loose to medium dense, brown, fine to medium SAND, some gravel --FILL--		1	13 10 9	NP	2
		5	2	6 3 2	NP	4
851.3	Medium stiff, dark brown CLAY LOAM, trace gravel		3	2 1 2	0.50	22
850.1	Medium dense, gray, fine to coarse GRAVELLY SAND					
		10	4	6 7 6	NP	13
			5	6 7 7	NP	18
	--%Gravel=33.7-- --%Sand=61.3-- --%Silt=4.6-- --%Clay=0.3-- --A-1-b (0)--	15	6	3 4 6	NP	19
			7	4 6 7	NP	22
		20	8	6 8 10	NP	18
			9	6 8 9	NP	21
		25	10	6 8 8	NP	16

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		30	11	10 8 9	NP	14
			12	8 10 11	NP	24
		35	13	8 8 6	NP	12
		40	14	8 6 7	NP	16
816.1	Medium dense, gray SILT					
		45	15	8 7 7	NP	22
811.1	Medium dense, gray SILTY LOAM with sand lenses and little gravel					
		50	16	10 8 11	NP	12

GENERAL NOTES

Begin Drilling **04-23-2012** Complete Drilling **04-23-2012**
Drilling Contractor **WTS** Drill Rig **Mobile B-57 TMR**
Driller **R&N** Logger **B. Wilson** Checked by **S. Sugiarto**
Drilling Method **3.25-IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **8.00 ft**
At Completion of Drilling **18.00 ft**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120701.GPJ WANGENG.GDT 1/16/13

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-01

WEI Job No.: 412-07-01
Client: Wills Burke Kelsey Associates, Ltd.
Project: Allen Road over Hampshire Creek
Location: NE1/4, Sec 20, R6E, and T42N of 3rd PM

Datum: NGVD
Elevation: 858.08 ft
North: 1981488.25 ft
East: 924157.13 ft
Station: 96+66.2
Offset: 6.5 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		55	17	8 6 17	NP	9
		60	18	7 9 11	NP	10
796.1	Very stiff, gray SILTY CLAY with lenses of silt, trace gravel					
		65	19	8 10 16	3.00 P	14
788.1	Boring terminated at 70.00 ft	70	20	7 10 11	2.46 B	11
		75				

GENERAL NOTES

Begin Drilling 04-23-2012 Complete Drilling 04-23-2012
Drilling Contractor WTS Drill Rig Mobile B-57 TMR
Driller R&N Logger B. Wilson Checked by S. Sugiarto
Drilling Method 3.25-IDA HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling 8.00 ft
At Completion of Drilling 18.00 ft
Time After Drilling NA
Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120701.GPJ WANGENG.GDT 1/16/13

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\045318-xxxx-005-Soil Borings SB-01.dgn

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

USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 045-3185
SHEET NO. 5 OF 8 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	49

CONTRACT NO.
ILLINOIS FED. AID PROJECT

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-02

WEI Job No.: 412-07-01

Client: **Wills Burke Kelsey Associates, Ltd.**
Project: **Allen Road over Hampshire Creek**
Location: **NE1/4, Sec 20, R6E, and T42N of 3rd PM**

Datum: NGVD
Elevation: 855.50 ft
North: 1981507.35 ft
East: 924200.29 ft
Station: 97+01.9
Offset: 25.1 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / RECOVERY	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		36-inch thick, black GRAVELLY LOAM --TOPSOIL-- --ORGANIC CONTENT= 5.6%-- --PH= 6.6--			1	2 3 6	1.50 P	37
	852.5	Medium dense, brown to gray, fine to coarse GRAVELLY SAND	5		2	2 5 9	NP	12
		--WET--			3	7 7 7	NP	16
			10		4	5 8 7	NP	17
					5	5 5 5	NP	13
			15		6	4 7 8	NP	14
					7	6 6 7	NP	14
			20		8	4 5 7	NP	11
					9	6 6 6	NP	12
			25		10	3 11 13	NP	21

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / RECOVERY	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
					11	4 7 13	NP	19
			30		12	5 6 12	NP	21
	823.5	Stiff, gray CLAY LOAM, some gravel						
	821.3	Medium dense, gray, fine to coarse GRAVELLY SAND	35		13	3 4 4	1.15 S	11
			40		14	6 7 11	NA	
			45		15	9 8 10	NP	11
	806.8	Medium dense, gray SILT	50		16	6 7 7	NP	17

GENERAL NOTES

Begin Drilling **04-24-2012** Complete Drilling **04-24-2012**
Drilling Contractor **WTS** Drill Rig **Mobile B-57 TMR**
Driller **R&N** Logger **B. Wilson** Checked by **S. Sugiarto**
Drilling Method **3.25-IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **6.00 ft**
At Completion of Drilling **66.00 ft**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120701.GPJ WANGENG.GDT 1/16/13

Wang Engineering
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1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-02
WEI Job No.: 412-07-01
Client: Wills Burke Kelsey Associates, Ltd.
Project: Allen Road over Hampshire Creek
Location: NE1/4, Sec 20, R6E, and T42N of 3rd PM
Datum: NGVD
Elevation: 855.50 ft
North: 1981507.35 ft
East: 924200.29 ft
Station: 97+01.9
Offset: 25.1 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / RECOVERY	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	803.5	Medium dense, gray medium to coarse GRAVELLY SAND						
			55		17	5 5 6	NP	10
	795.7	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel	60		18	6 8 10	NP	11
			65		19	6 9 11	1.23 B	11
			70		20	7 10 12	2.87 B	12
			75		21	7 9 13	2.79 B	10

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / RECOVERY	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	775.5	Boring terminated at 80.00 ft	80		22	6 14 20	3.20 B	10
			85					
			90					
			95					
			100					

GENERAL NOTES

Begin Drilling **04-24-2012** Complete Drilling **04-24-2012**
Drilling Contractor **WTS** Drill Rig **Mobile B-57 TMR**
Driller **R&N** Logger **B. Wilson** Checked by **S. Sugiarto**
Drilling Method **3.25-IDA HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **6.00 ft**
At Completion of Drilling **66.00 ft**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120701.GPJ WANGENG.GDT 1/16/13

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\0453181-xxxx-006-Soil Borings SB-02.dgn

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

USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 045-3185
SHEET NO. 6 OF 8 SHEETS

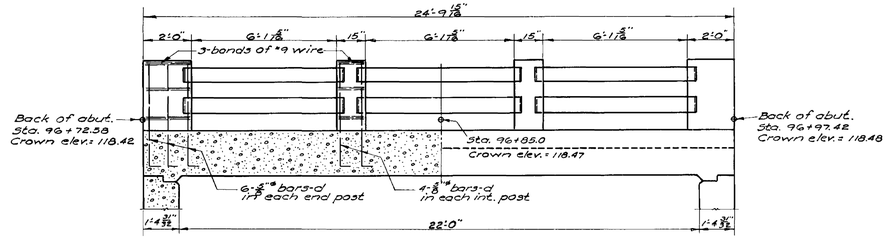
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	50

CONTRACT NO.
ILLINOIS FED. AID PROJECT

B.M.# 6-Bridge Spk. N.S.T.P. Rt. Sta. 94+09
Elev.= 117.00
Existing Structure- Span 15'-Rdwy. 14'
Conc. abuts. with conc. slab-conc. railings
Existing Structure to be removed by Contractor.

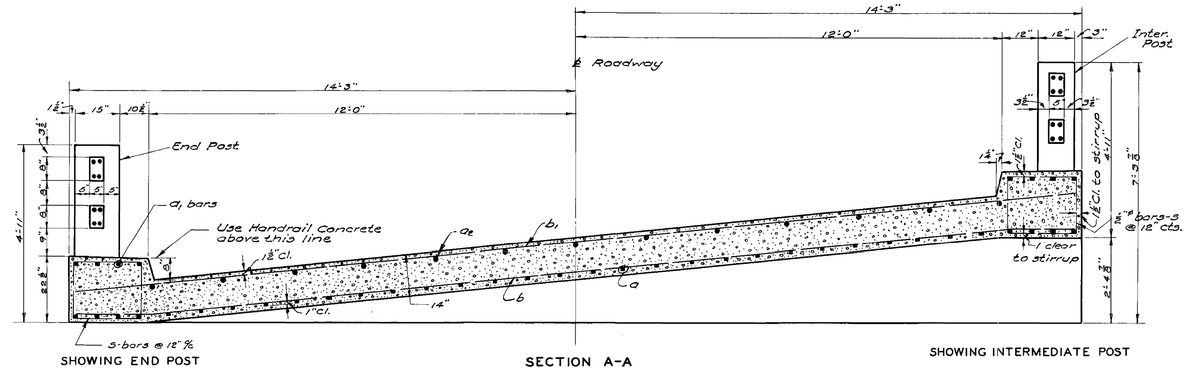
STATE OF ILLINOIS
COUNTY OF KANE
COUNTY HIGHWAY DEPARTMENT

State Aid Route No.	Section	County	Total Sheets	Sheet No.
45	13281-NFT	Kane	4	2

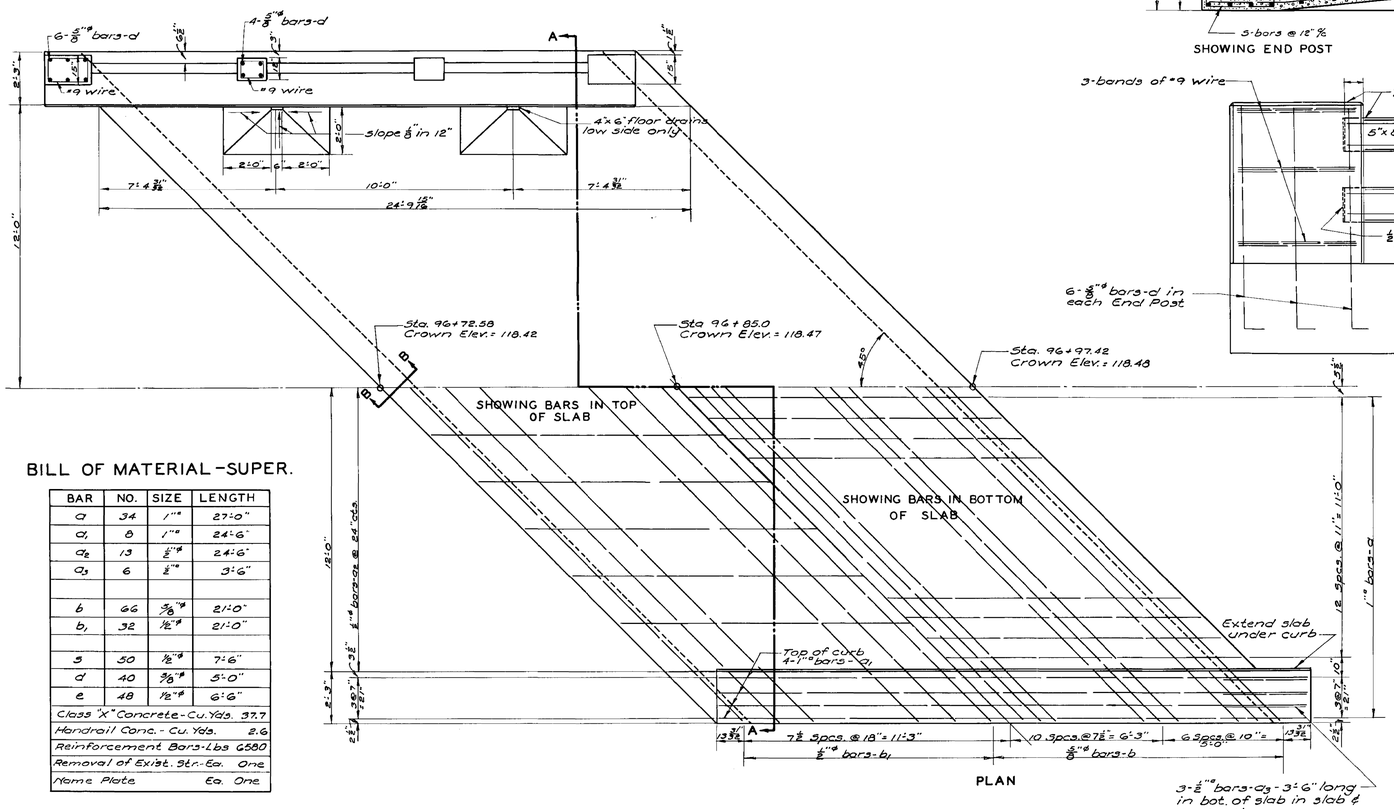


HALF CROSS SECTION AT CURB HALF ELEVATION

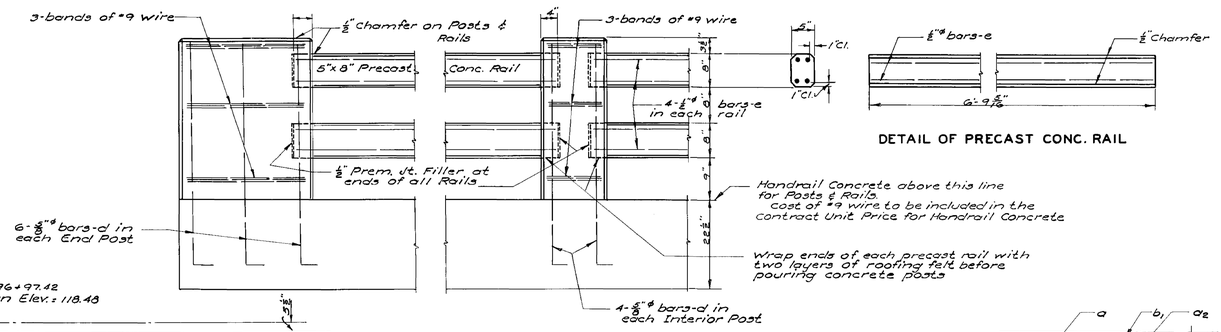
LOW SIDE



SHOWING END POST SECTION A-A SHOWING INTERMEDIATE POST

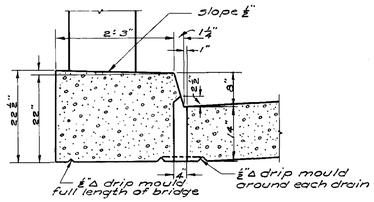


PLAN

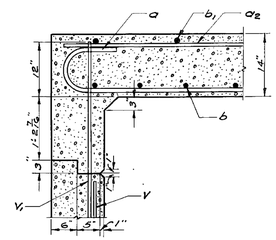


DETAIL OF PRECAST CONC. RAIL

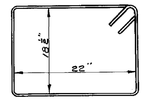
DETAIL OF RAIL



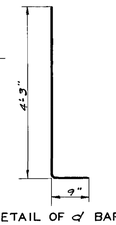
DETAIL OF DRAIN



SECTION B-B



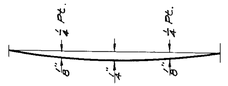
DETAIL OF 3 BAR



DETAIL OF d' BAR

BILL OF MATERIAL-SUPER.

BAR	NO.	SIZE	LENGTH
a	34	1"ϕ	27'-0"
a1	8	1"ϕ	24'-6"
a2	13	1/2"ϕ	24'-6"
a3	6	1/2"ϕ	3'-6"
b	66	5/8"ϕ	2'-0"
b1	32	1/2"ϕ	2'-0"
s	50	1/2"ϕ	7'-6"
d	40	5/8"ϕ	5'-0"
e	48	1/2"ϕ	6'-6"
Class "X" Concrete-Cu. Yds.			37.7
Handrail Conc.- Cu. Yds.			2.6
Reinforcement Bars-Lbs			6580
Removal of Exist. Str.-Ea.			One
Name Plate			Ea. One

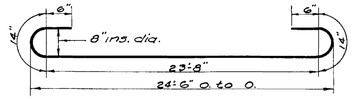


D. L. DEFLECTION DIAGRAM

Add Dead Load Deflections to camber provided by crown elevations shown.

TOTAL BILL OF MATERIAL

ITEM		SUPER.	SUB.	TOTAL
Class "X" Concrete	Cu. Yds.	37.7	71.4	109.1
Handrail Concrete	Cu. Yds.	2.6		2.6
Reinforcement Bars	Lbs.	6580	5815	12,395
Name Plate		One		One



DETAIL OF a BAR

GENERAL NOTES

Class "X" concrete shall be used thruout except as noted. Handrail concrete shall be used in Posts & Rails. Cost of #9 wire in Rail Posts to be included in contract unit price for Handrail Concrete.

Premoulded Joint Filler shall conform to Art. 115.67 or 115.68 of the Standard Specifications.

Concrete floor slab shall be finished in accordance with Art. 61.3(e) of the Standard Specifications.

The concrete floor slab shall be poured in one continuous operation.

Curb shall be poured monolithically with slab. Handrail shall not be poured until after the Falsework has been removed.

Structural grade reinforcement bars will not be permitted.

f_s = 20,000 #/□"
f_c = 1,200 #/□' super str.
f_c = 800 #/□' sub str.
n = 10

H-15 LOADING

GETZELMAN BRIDGE
OVER BRANCH-COON CREEK
HAMPSHIRE TOWNSHIP
KANE COUNTY
STA. 96 + 85.0

ASSEMBLED C.B.C.
DRAWN C.B.C.
EXAMINED
PASSED
APPROVED

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\Existing01.dgn

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

USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/20/2015	CHECKED - AEU	REVISED -	

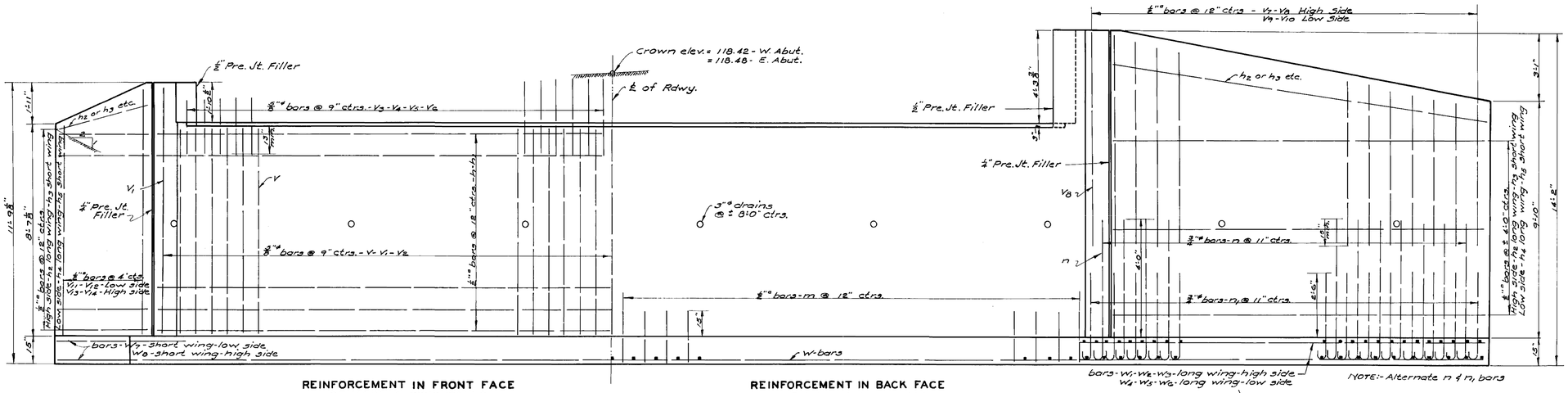
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS
FOR REFERENCE ONLY
SHEET NO. 1 OF 2 SHEETS

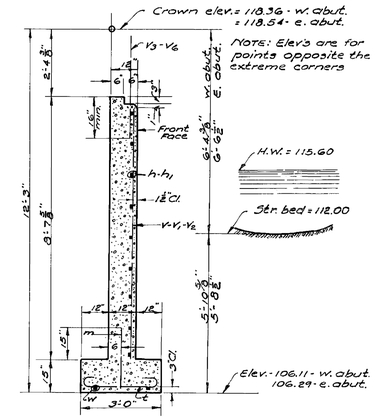
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	51
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
COUNTY OF KANE
COUNTY HIGHWAY DEPARTMENT

State Aid Route No.	Section	County	Total Sheets	Sheet No.
45	13281-M.F.T.	Kane	4	3



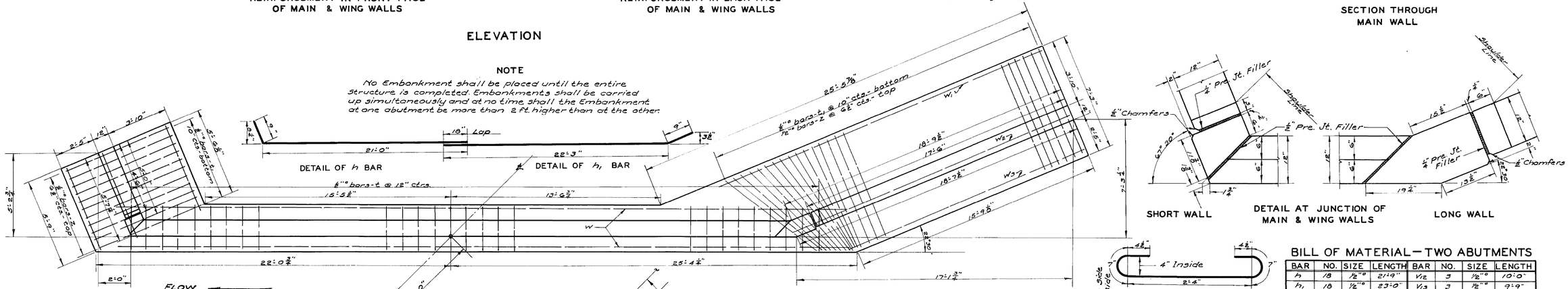
ELEVATION

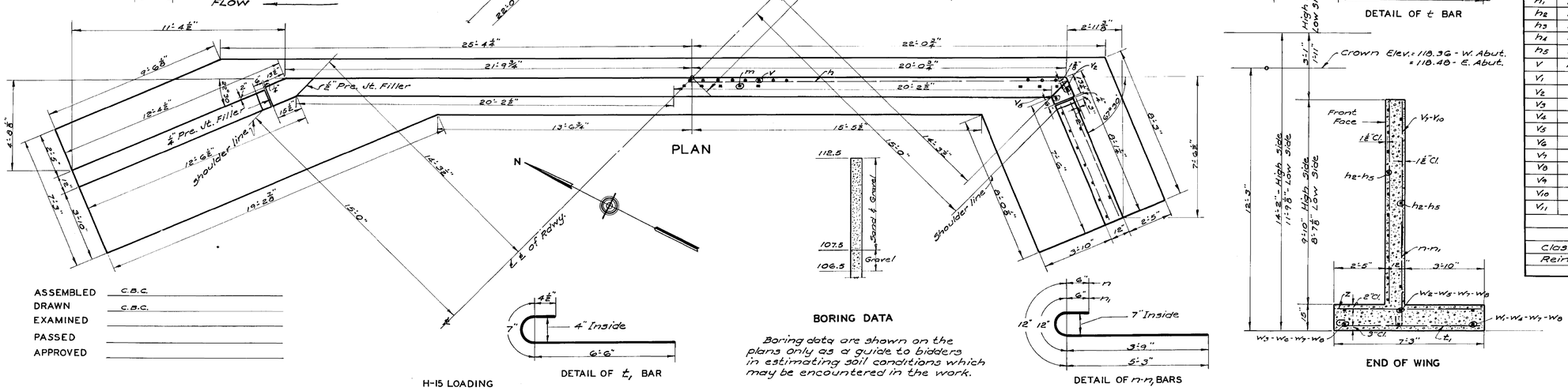


SECTION THROUGH MAIN WALL

NOTE

No Embankment shall be placed until the entire Structure is completed. Embankments shall be carried up simultaneously and at no time shall the Embankment at one abutment be more than 2 ft. higher than at the other.





BILL OF MATERIAL — TWO ABUTMENTS

BAR	NO.	SIZE	LENGTH	BAR	NO.	SIZE	LENGTH
h	18	1/2"ø	21'-9"	V12	3	1/2"ø	10'-0"
h1	18	1/2"ø	23'-0"	V13	3	1/2"ø	9'-9"
h2	15	1/2"ø	17'-0"	V14	4	1/2"ø	12'-6"
h3	15	1/2"ø	6'-6"	m	86	1/2"ø	2'-3"
h4	12	1/2"ø	10'-9"	n	52	3/4"ø	6'-9"
h5	12	1/2"ø	4'-0"	n1	48	3/4"ø	5'-3"
V	114	5/8"ø	8'-0"	t	88	1/2"ø	4'-3"
V1	2	5/8"ø	10'-0"	t1	65	1/2"ø	7'-6"
V2	2	5/8"ø	12'-6"	z	98	1/2"ø	7'-0"
V3	30	5/8"ø	3'-0"	w	8	1/2"ø	23'-0"
V4	30	5/8"ø	3'-9"	W1	2	1/2"ø	22'-0"
V5	20	5/8"ø	4'-3"	W2	2	1/2"ø	19'-0"
V6	30	5/8"ø	5'-0"	W3	2	1/2"ø	16'-0"
V7	14	1/2"ø	8'-6"	W4	2	1/2"ø	16'-0"
V8	14	1/2"ø	10'-0"	W5	2	1/2"ø	13'-0"
V9	10	1/2"ø	6'-9"	W6	2	1/2"ø	10'-0"
V10	10	1/2"ø	7'-9"	W7	6	1/2"ø	5'-6"
V11	2	1/2"ø	8'-6"	W8	6	1/2"ø	8'-0"
Class "X" Concrete					Cu. Yds.		71.4
Reinforcement Bars					Lbs.		5815

GETZELMAN BRIDGE
OVER BRANCH-COON CREEK
HAMPSHIRE TOWNSHIP
KANE COUNTY
STA. 96 + 85.00

ASSEMBLED C.B.C.
DRAWN C.B.C.
EXAMINED
PASSED
APPROVED

FILE NAME = W:\Projects\2013\130148 AllenRdPhII\cadd\Structural\Dgn\Existing02.dgn

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

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PLOT DATE = 5/20/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS
FOR REFERENCE ONLY

SHEET NO. 2 OF 2 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	52
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

BENCHMARK

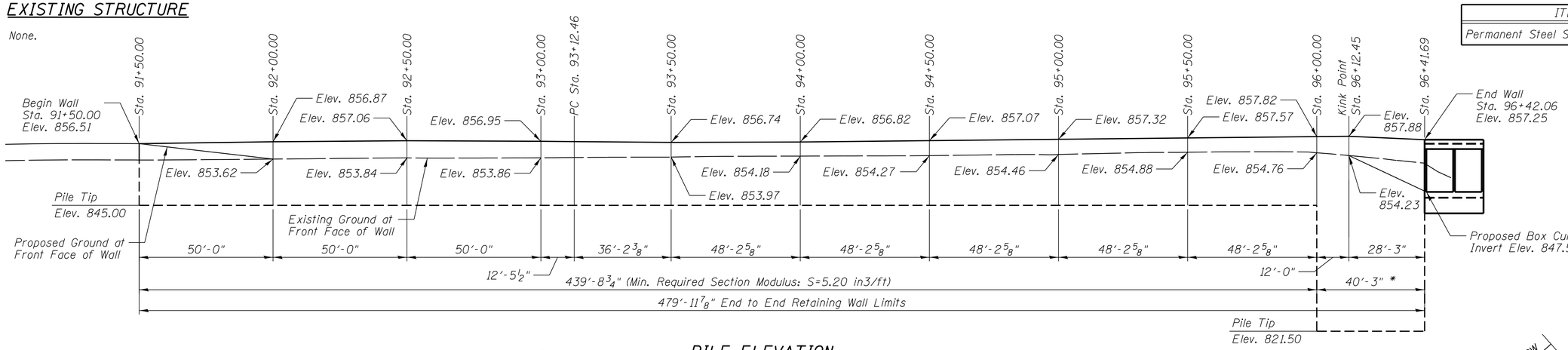
IL-KANE-20-42-6; Elev. 854.59

EXISTING STRUCTURE

None.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Permanent Steel Sheet Piling	Sq. Ft.	6,759



* Min. Required Section Modulus S = 25.15 in3/ft

CURVE DATA

P.I. Sta. = 96+15.36
Δ = 52°21'00" (LT)
D = 9°17'51"
R = 616.25'
T = 302.90'
L = 563.06'
E = 70.42'
e = 8.0%
T.R. = 45.05'
S.E. Run = 225'
P.C. Sta. = 93+12.46
P.T. Sta. = 98+75.52

PILE ELEVATION

Looking east at back face of wall
Dimensions measured along front face of wall

PROFILE GRADE

(Along ℄ Allen Road)

DESIGN SPECIFICATIONS

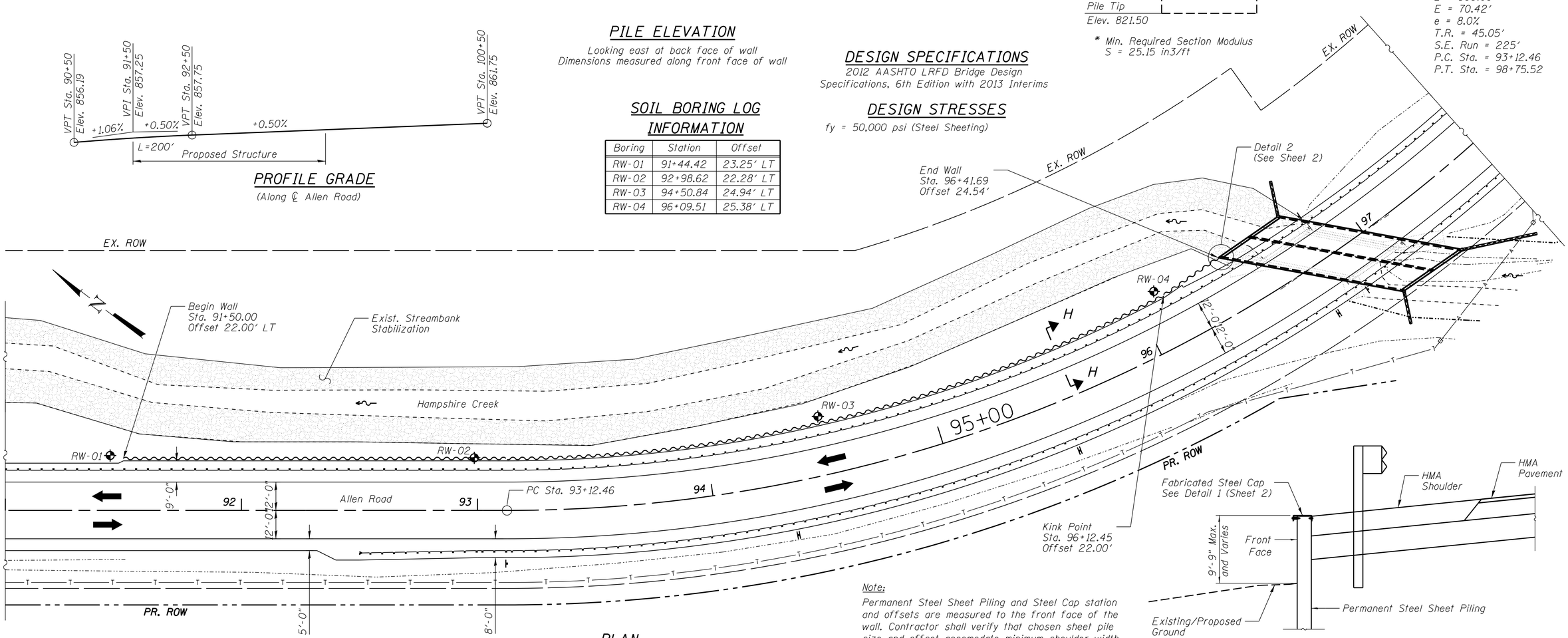
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interims

DESIGN STRESSES

fy = 50,000 psi (Steel Sheeting)

SOIL BORING LOG INFORMATION

Boring	Station	Offset
RW-01	91+44.42	23.25' LT
RW-02	92+98.62	22.28' LT
RW-03	94+50.84	24.94' LT
RW-04	96+09.51	25.38' LT



PLAN

SECTION H-H

Note:
Permanent Steel Sheet Piling and Steel Cap station and offsets are measured to the front face of the wall. Contractor shall verify that chosen sheet pile size and offset accomodate minimum shoulder width as shown in the roadway plans.

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\001-SheetPileGPE.dgn

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

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PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

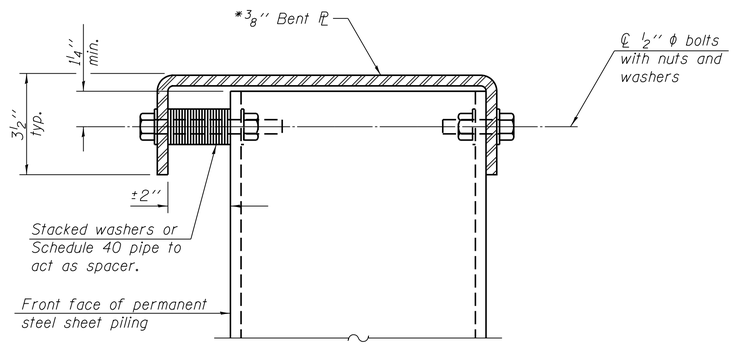
GENERAL PLAN AND ELEVATION
STEEL SHEET PILE RETAINING WALL

SHEET NO. 1 OF 4 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	53

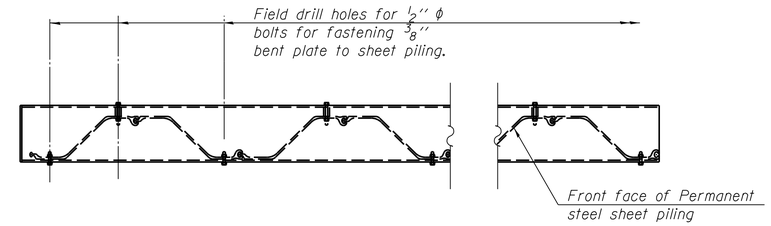
CONTRACT NO.

ILLINOIS FED. AID PROJECT



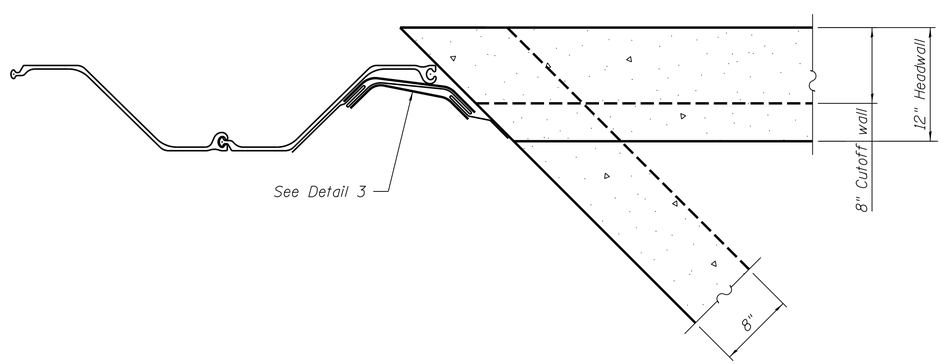
DETAIL 1

*AASHTO M270 Grade 50W

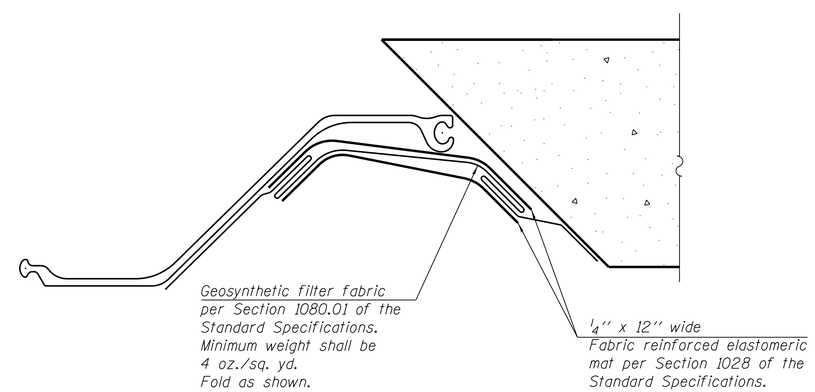


SHEET PILING WALL PLAN

Showing connection of fabricated steel cap to Permenent Steel Sheet Piling



DETAIL 2



DETAIL 3

Note:
All costs associated with the installation of the geosynthetic filter fabric, fabric reinforced elastomeric mat, and steel cap, shall be included in the contract unit price for "Permanent Steel Sheet Piling" and shall not be paid for separately.

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\002-SheetPileWallDetails.dgn

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

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PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
STEEL SHEET PILE RETAINING WALL

SHEET NO. 2 OF 4 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	54

CONTRACT NO.

ILLINOIS FED. AID PROJECT

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-01

WEI Job No.: 412-07-02

Client: **Wills, Burke, Kelsey Associates, Ltd.**
Project: **Allen Road Phase II**
Location: **NE1/4 of Sec. 20, T42N, R6E of the 3rd PM**

Datum: NGVD
Elevation: 852.77 ft
North: 1981848.25 ft
East: 923794.37 ft
Station:
Offset:

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	852.5	3-inch thick, black SILTY CLAY LOAM --TOPSOIL--						
		Loose, brown LOAM, some gravel --FILL--			1	2 3 4	NP	13
	849.8	Medium dense, brown to gray, fine to coarse GRAVELLY SAND						
			5		2	2 5 9	NP	9
		--Wet--			3	7 10 10	NP	11
			10		4	6 7 8	NP	11
					5	12 10 10	NP	16
			15		6	8 12 12	NP	12
					7	6 9 10	NP	10
	832.8		20		8	10 8 9	NP	10

Boring terminated at 20.00 ft

GENERAL NOTES

Begin Drilling: **04-10-2014** Complete Drilling: **04-10-2014**
Drilling Contractor: **WTS** Drill Rig: **Diedrich D-25 ATV**
Driller: **N&J** Logger: **F. Bozga** Checked by: **B. Wilson**
Drilling Method: **2.25" HSA, 2.5' interval, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **5.50 ft**
At Completion of Drilling: **6.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120702.GPJ WANGENG.GDT 5/28/14

Wang Engineering
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Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-02

WEI Job No.: 412-07-02

Client: **Wills, Burke, Kelsey Associates, Ltd.**
Project: **Allen Road Phase II**
Location: **NE1/4 of Sec. 20, T42N, R6E of the 3rd PM**

Datum: NGVD
Elevation: 852.76 ft
North: 1981725.06 ft
East: 923887.12 ft
Station:
Offset:

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	852.4	4-inch thick, black SILTY CLAY LOAM --TOPSOIL--						
		Stiff, brown SILTY CLAY LOAM, trace gravel --FILL--			1	2 3 4	1.64 B	14
			5		2	2 3 3	1.00 P	18
	847.3	Medium dense, brown to gray, fine to coarse GRAVELLY SAND --Wet--						
					3	4 8 9	NP	10
			10		4	4 6 9	NP	10
					5	9 9 10	NP	16
			15		6	6 8 18	NP	21
					7	12 10 9	NP	16
	832.8		20		8	4 5 9	NP	17

Boring terminated at 20.00 ft

GENERAL NOTES

Begin Drilling: **04-10-2014** Complete Drilling: **04-10-2014**
Drilling Contractor: **WTS** Drill Rig: **Diedrich D-25 ATV**
Driller: **N&J** Logger: **F. Bozga** Checked by: **B. Wilson**
Drilling Method: **2.25" HSA, 2.5' interval, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **5.50 ft**
At Completion of Drilling: **6.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120702.GPJ WANGENG.GDT 5/28/14

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\003-Soil Borings RW-01-02.dgn

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

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PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STEEL SHEET PILE RETAINING WALL

SHEET NO. 3 OF 4 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	55

CONTRACT NO.

ILLINOIS FED. AID PROJECT

Wang Engineering
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
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Fax: 630 953-9938

BORING LOG RW-03

WEI Job No.: 412-07-02

Client: **Wills, Burke, Kelsey Associates, Ltd.**
Project: **Allen Road Phase II**
Location: **NE1/4 of Sec. 20, T42N, R6E of the 3rd PM**

Datum: NGVD
Elevation: 853.37 ft
North: 1981619.98 ft
East: 923989.29 ft
Station:
Offset:

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
853.0	5-inch thick, black SILTY CLAY --TOPSOIL--						
	Stiff, brown and black SILTY CLAY LOAM, trace gravel --FILL-- --(1) PID= 0.4 ppm--			1	3 4 5	1.00 P	21
850.4	Medium dense, brown to gray, fine to coarse GRAVELLY SAND --(2) PID= 0.3 ppm--	5		2	6 11 14	NP	6
	--Wet--						
	--(3) PID= 0.3 ppm--			3	10 12 14	NP	9
	--(4) PID= 0.2 ppm--	10		4	7 12 14	NP	9
				5	19 12 12	NP	9
		15		6	10 14 15	NP	12
				7	10 11 10	NP	15
833.4		20		8	10 12 10	NP	12

Boring terminated at 20.00 ft

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)

GENERAL NOTES

Begin Drilling: **04-09-2014** Complete Drilling: **04-09-2014**
Drilling Contractor: **WTS** Drill Rig: **Diedrich D-25 ATV**
Driller: **N&J** Logger: **F. Bozga** Checked by: **B. Wilson**
Drilling Method: **2.25" HSA, 2.5' interval, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **5.00 ft**
At Completion of Drilling: **6.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120702.GPJ WANGENG.GDT 5/28/14

Wang Engineering
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Lombard, IL 60148
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Fax: 630 953-9938

BORING LOG RW-04

WEI Job No.: 412-07-02

Client: **Wills, Burke, Kelsey Associates, Ltd.**
Project: **Allen Road Phase II**
Location: **NE1/4 of Sec. 20, T42N, R6E of the 3rd PM**

Datum: NGVD
Elevation: 853.54 ft
North: 1981538.98 ft
East: 924117.64 ft
Station:
Offset:

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
853.1	5-inch thick, black SILTY CLAY LOAM --TOPSOIL--						
	Stiff, brown SILTY CLAY LOAM, trace gravel --FILL--			1	2 3 7	1.80 B	22
850.5	Medium dense to dense, brown to gray, fine to coarse GRAVELLY SAND	5		2	4 10 13	NP	9
	--Wet--						
				3	8 10 10	NP	9
		10		4	8 11 11	NP	9
				5	7 11 11	NP	14
		15		6	9 13 16	NP	19
				7	5 9 10	NP	10
833.5		20		8	15 15 16	NP	13

Boring terminated at 20.00 ft

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)

GENERAL NOTES

Begin Drilling: **04-10-2014** Complete Drilling: **04-10-2014**
Drilling Contractor: **WTS** Drill Rig: **Diedrich D-25 ATV**
Driller: **N&J** Logger: **F. Bozga** Checked by: **B. Wilson**
Drilling Method: **2.25" HSA, 2.5' interval, boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **5.00 ft**
At Completion of Drilling: **6.00 ft**
Time After Drilling: **NA**
Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 4120702.GPJ WANGENG.GDT 5/28/14

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Structural\Dgn\004-Soil Borings RW-03-04.dgn

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St. Charles, Illinois 60174

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	CHECKED - AEU	REVISED -	
PLOT SCALE = $SCALE$	DRAWN - ELN/MCC	REVISED -	
PLOT DATE = 5/29/2015	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

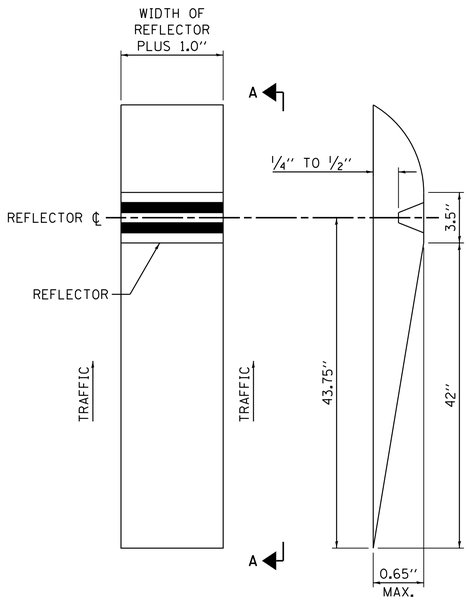
SOIL BORING LOGS
STEEL SHEET PILE RETAINING WALL

SHEET NO. 4 OF 4 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	56

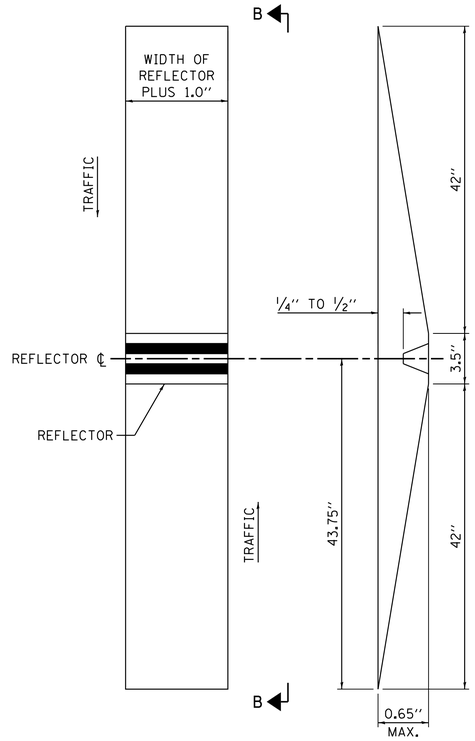
CONTRACT NO.

ILLINOIS FED. AID PROJECT



PLAN VIEW SECTION A-A

ONE-WAY RECESSED REFLECTIVE PAVEMENT MARKER



PLAN VIEW SECTION B-B

TWO-WAY RECESSED REFLECTIVE PAVEMENT MARKER

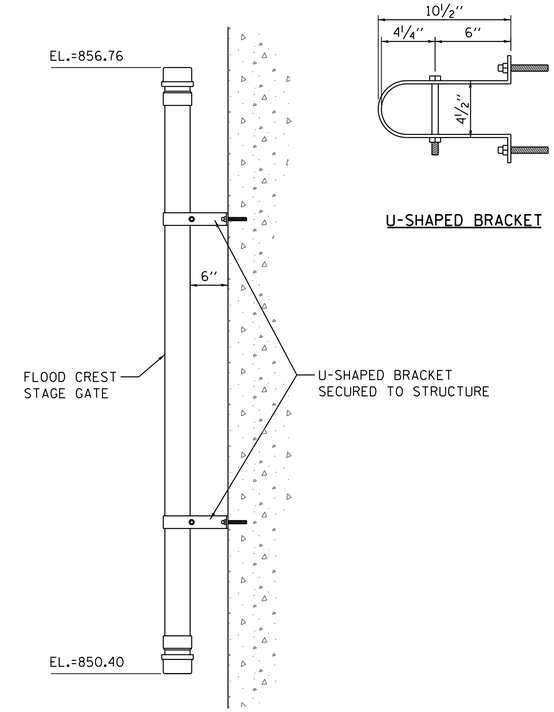
INSTALLATION NOTES:

1. SAWCUT TO DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2'' TO 1/4'' BELOW THE PAVEMENT SURFACE.

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO THE LATEST VERSION OF DISTRICT ONE DETAL TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTENT) FOR MARKER REPLACEMENT ONLY.
2. ANY REFERENCE TO RAISED REFLECTIVE PAVEMENT MARKER IN DISTRICT ONE DETAIL TC11 SHALL BE INTERPRETED TO MEAN RECESSED REFLECTIVE PAVEMENT MARKERS.

RECESSED RELECTIVE PAVEMENT MARKERS



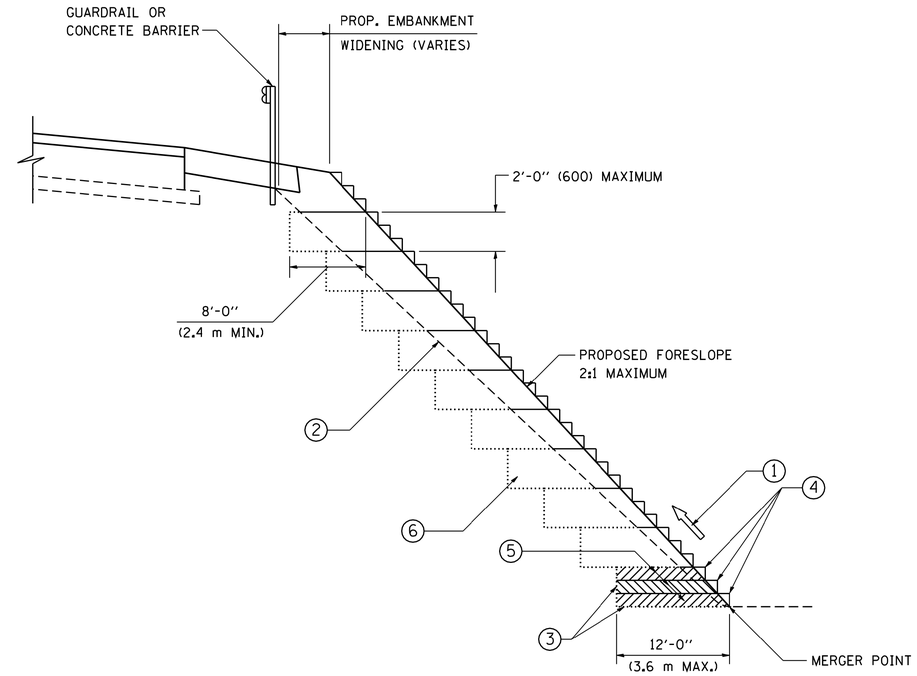
FLOOD CREST STAGE GAGE

THERE IS A KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT CREST STAGE GAUGE ATTACHED TO THE EXISTING BRIDGE STRUCTURE. THERE HAS BEEN COORDINATION DURING THE PHASE I PRELIMINARY ENGINEERING WITH THE KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT AND IT WAS DETERMINED THAT THE FOLLOWING ACTIONS BE TAKEN DURING CONSTRUCTION OF THIS PROJECT.

1. NO ADVANCED NOTICE WILL BE REQUIRED BEFORE REMOVING THE CREST STAGE GAUGE.
2. THE CONTRACTOR SHALL REMOVE AND SALVAGE THE CREST STAGE GAUGE.
3. AN E-MAIL TO THE KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT IS REQUIRED ONCE IT IS REMOVED.
4. THE CONTRACTOR SHALL SURVEY THE GAUGE, REINSTALL THE GAUGE, AND NOTIFY KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT BY E-MAIL ONCE THE GAUGE HAS BEEN REINSTALLED.

THERE WILL BE NO COMPENSATION FOR THIS COORDINATION, REMOVAL AND REINSTALLATION OF THE CREST STAGE GAUGE.

FILE NAME = W:\Projects\2013\130140 AlienRdPhII\cadd\Civil\Dgn\Sht\DT_PVMT MARKER.dgn



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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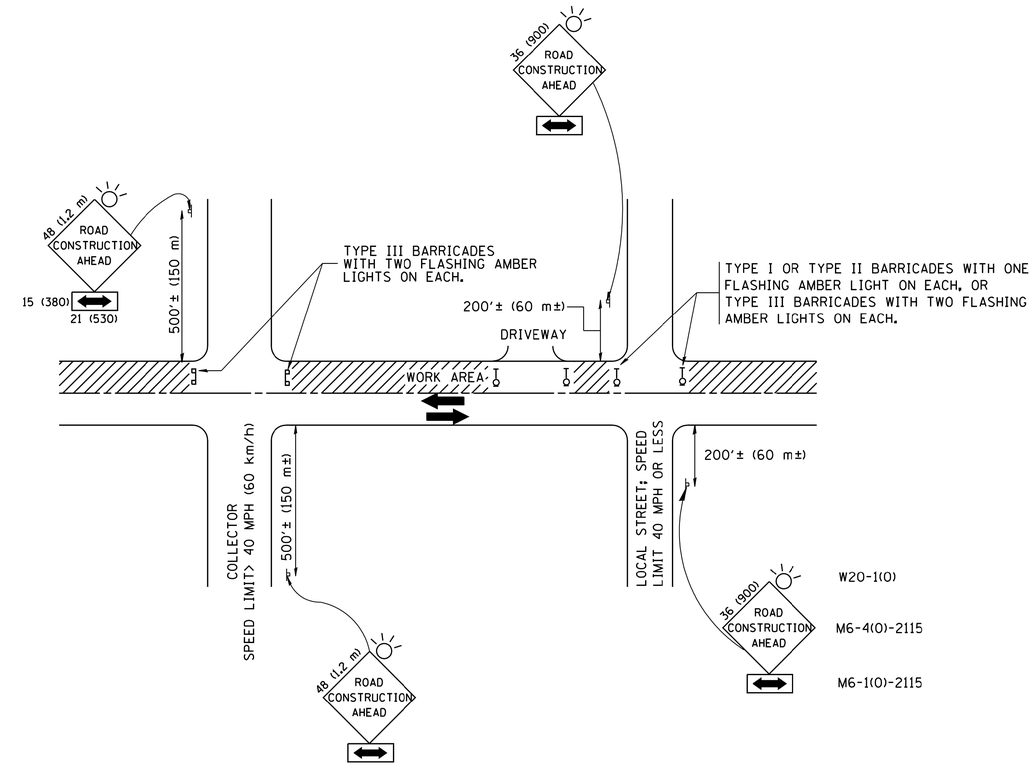
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	58
	BD-51	CONTRACT NO.		
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

1. 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:

   a) 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.

   b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) 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.

   b) 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.

3. 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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FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = geglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
		DRAWN -	REVISED - A. HOUSEH 03-06-96		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96		
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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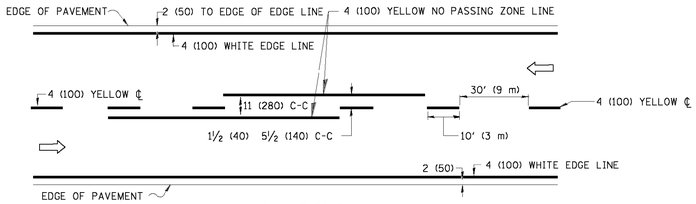
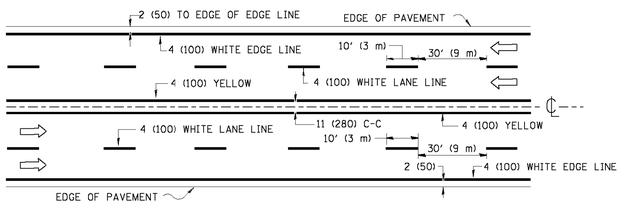
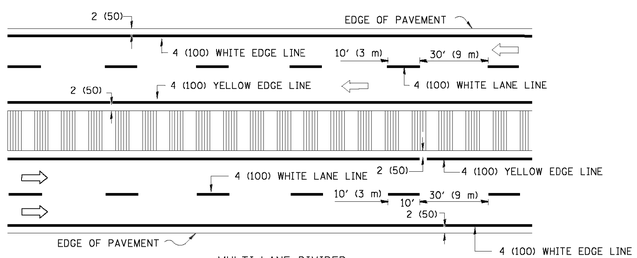
TC-10		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



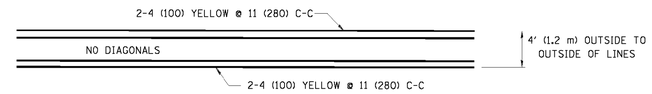
MULTI-LANE UNDIVIDED



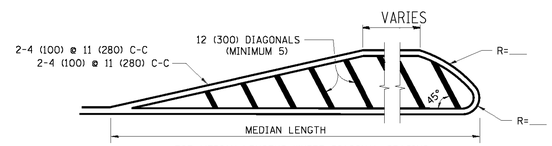
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

TYPICAL LANE AND EDGE LINE MARKING



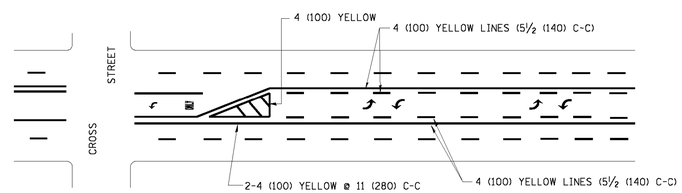
4' (1.2 m) WIDE MEDIANS ONLY



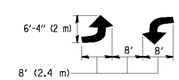
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

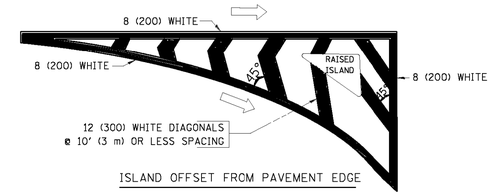


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

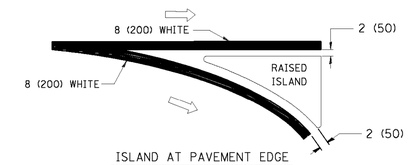


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



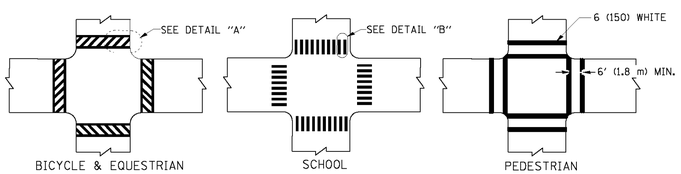
ISLAND AT PAVEMENT EDGE

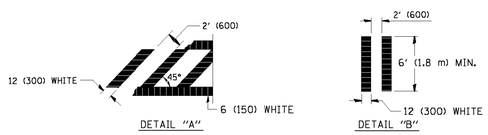
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

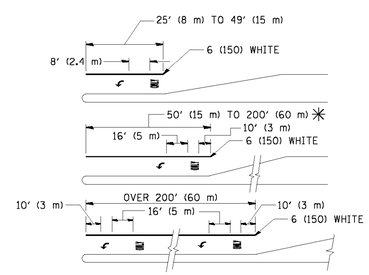
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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





TYPICAL CROSSWALK MARKING



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

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

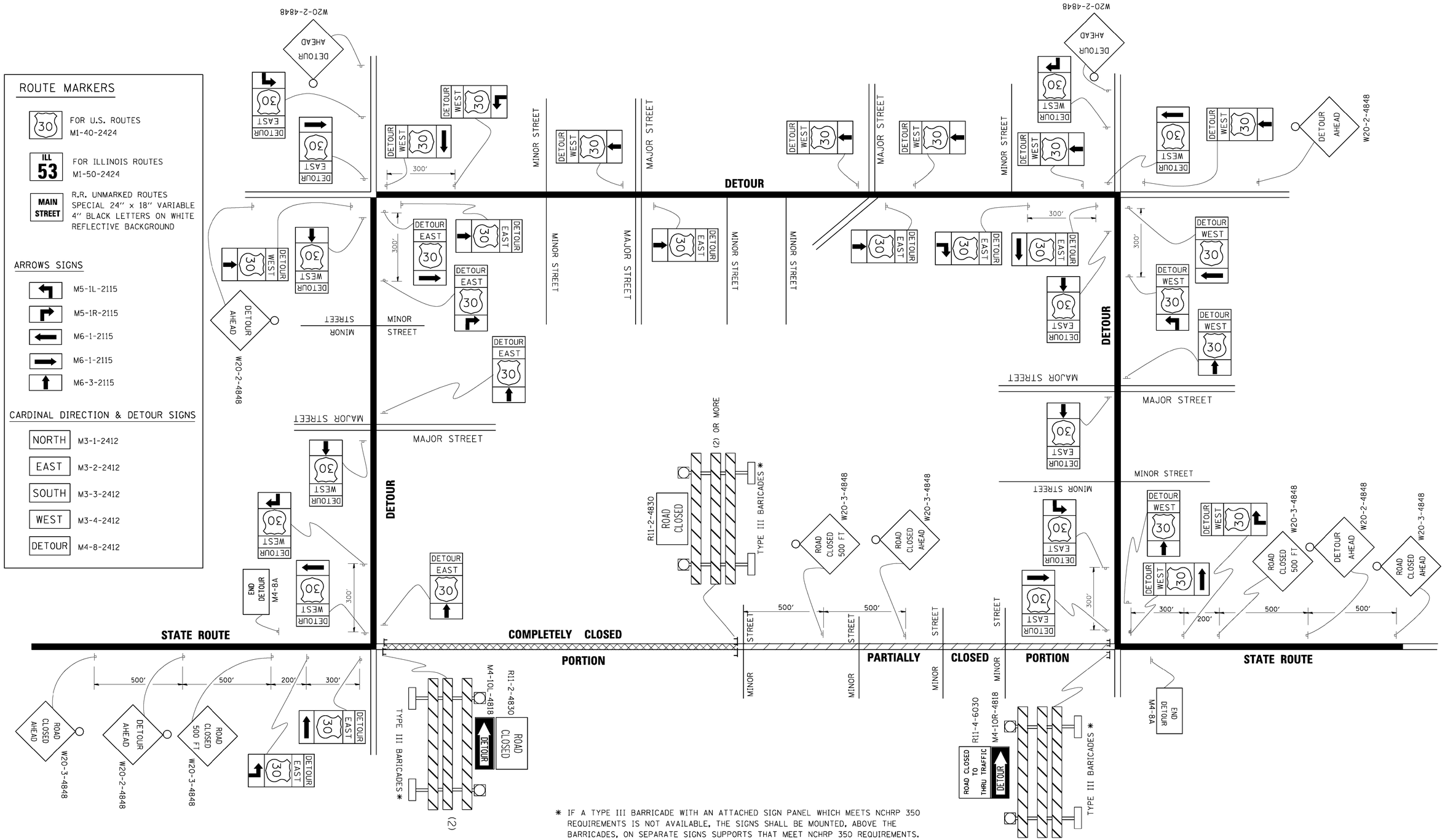
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	60
	TC-13	CONTRACT NO.		

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



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\DT.01-TC21.dgn

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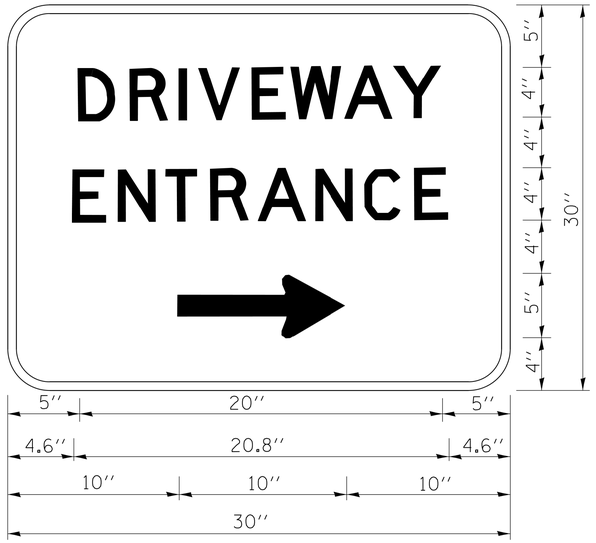
	PLOT DATE = 9/14/2009	DATE -	REVISED -	

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	61
	TC-21	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

NOTES:

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

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FILE NAME = c:\pw_work\pwidot\gaglianobt\d0108315\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN -	REVISED -	
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 12/13/2012	DATE -	REVISED -	

DRIVEWAY ENTRANCE SIGNING

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

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	62
	TC-26	CONTRACT NO.		

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

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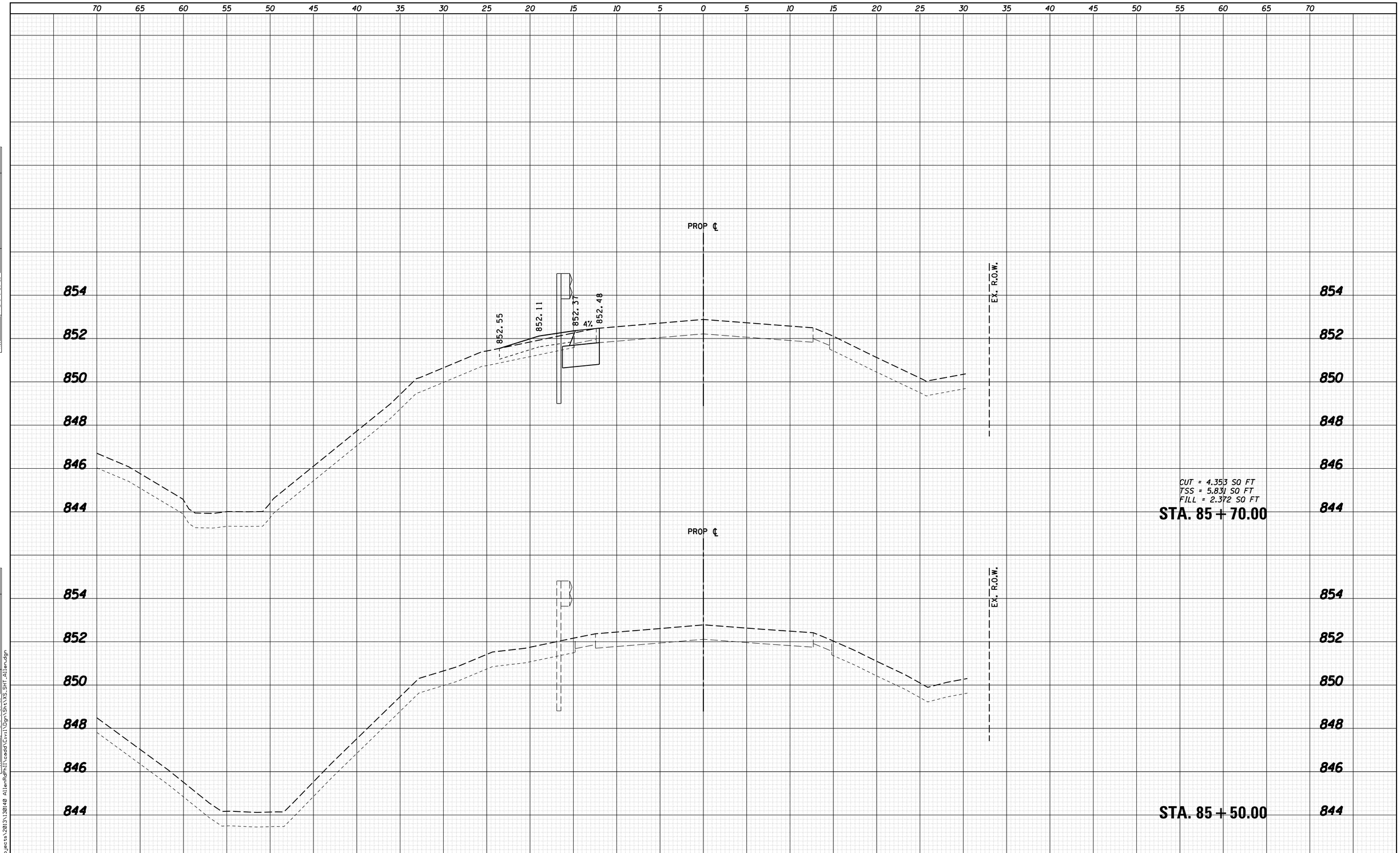

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

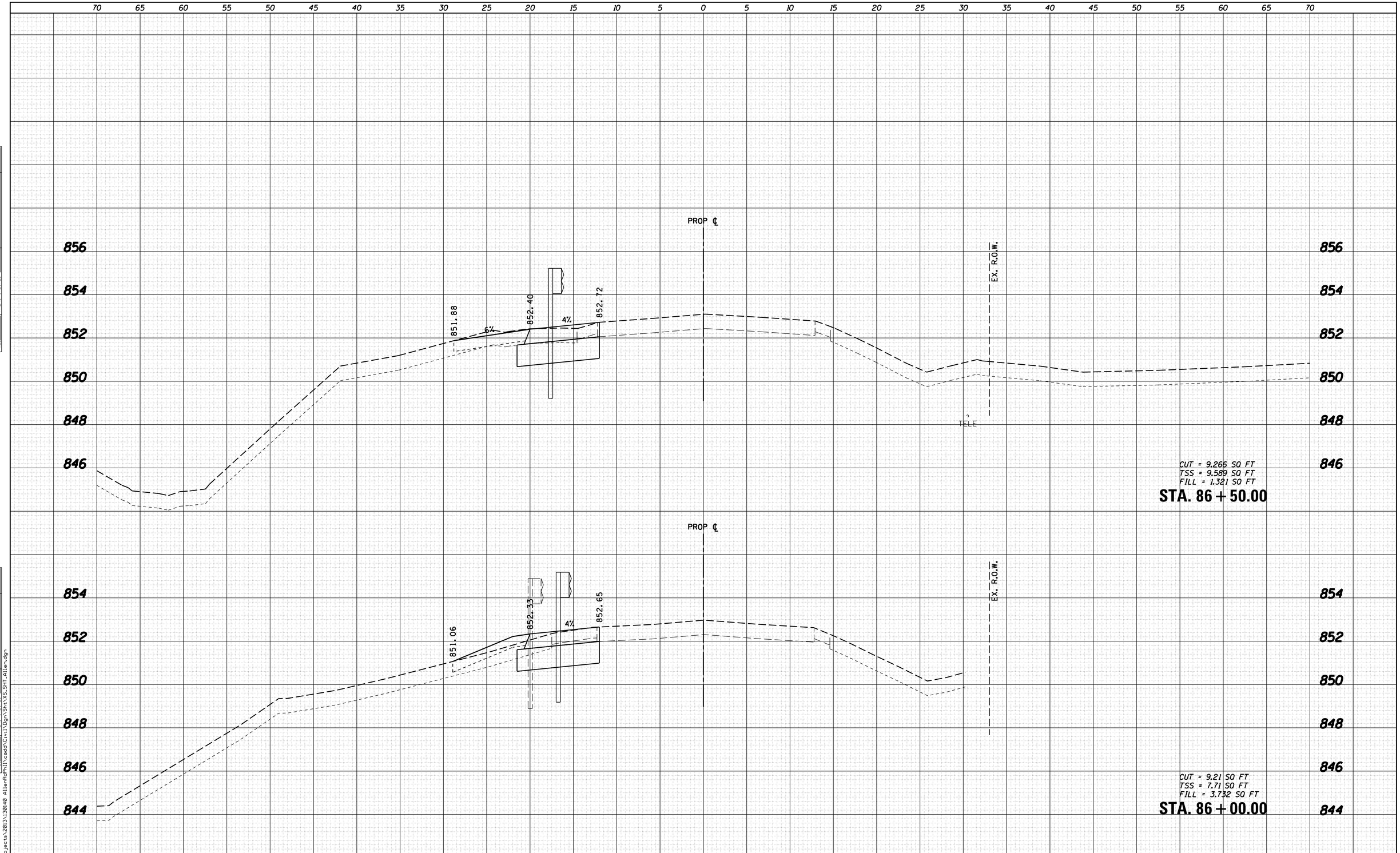
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 1 OF 22 SHEETS | STA. 85+50.00 TO STA. 85+70.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	63

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\30140 AllenRd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

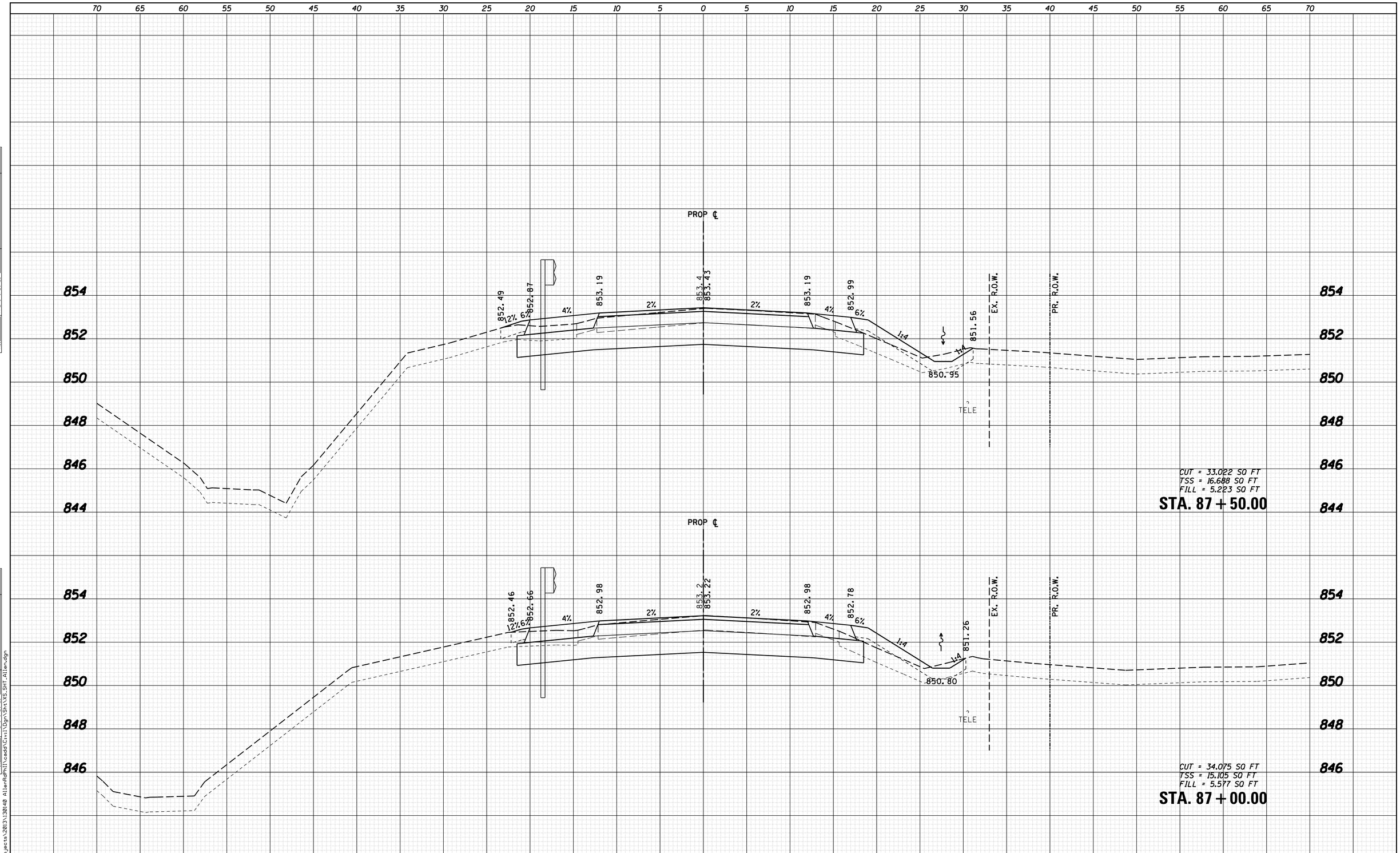
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 2 OF 22 SHEETS | STA. 86+00.00 TO STA. 86+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	64

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

FILE NAME = W:\Projects\2013\130140 AllenRdPhil\cadd\Civil\Dgn\Sht\XS-SHT-Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

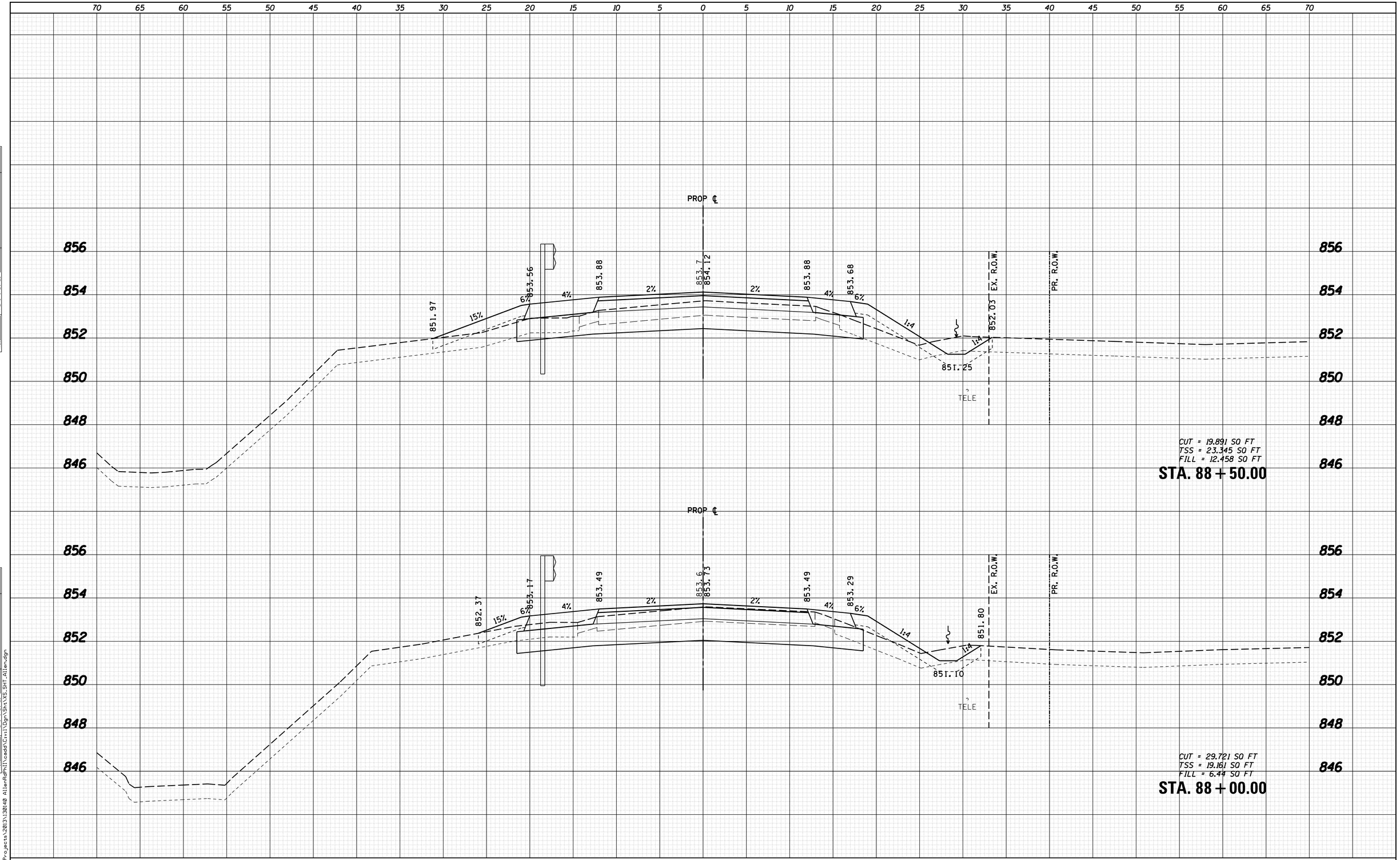
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 3 OF 22 SHEETS | STA. 87+00.00 TO STA. 87+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	65

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

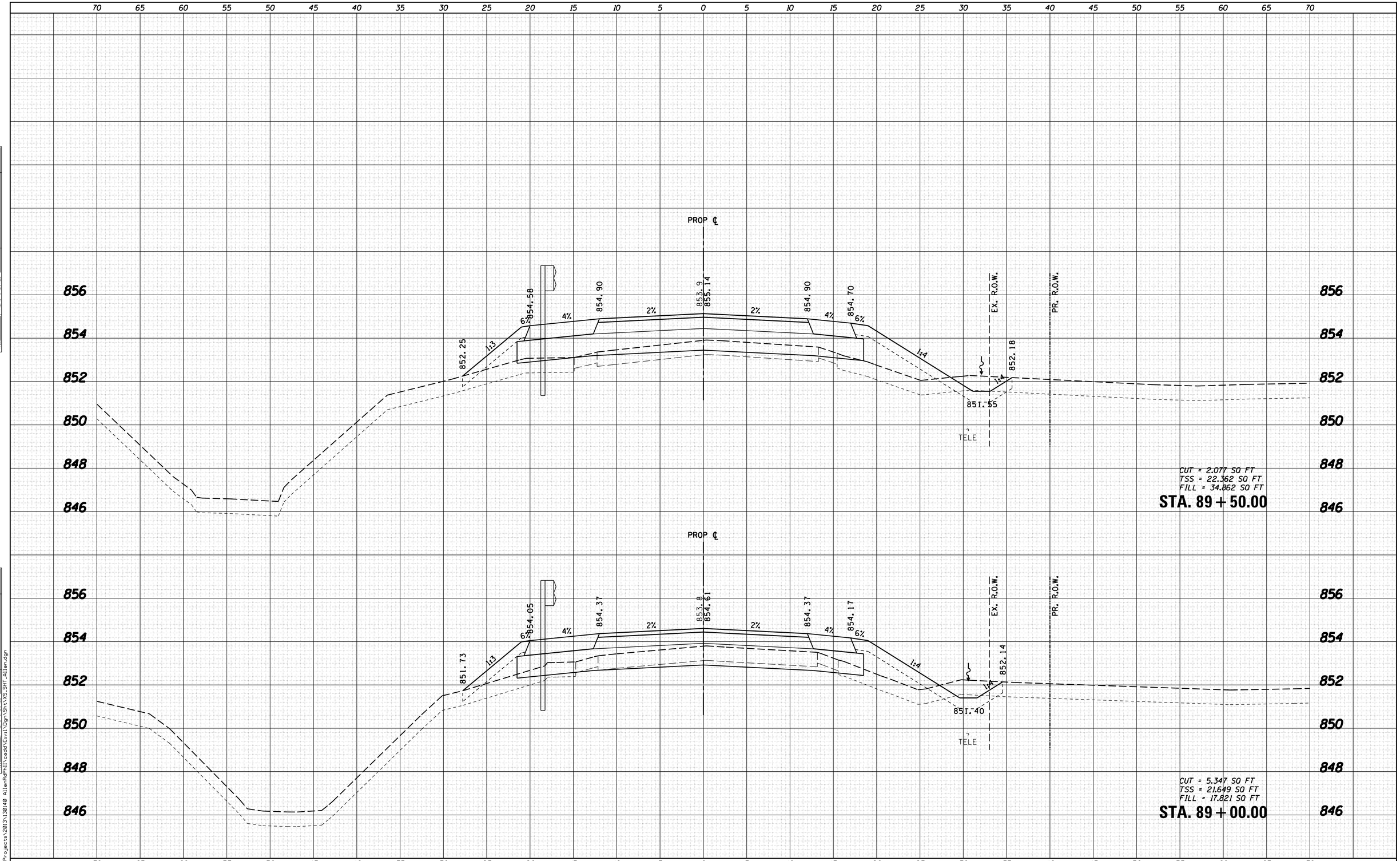
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 4 OF 22 SHEETS | STA. 88+00.00 TO STA. 88+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	66

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

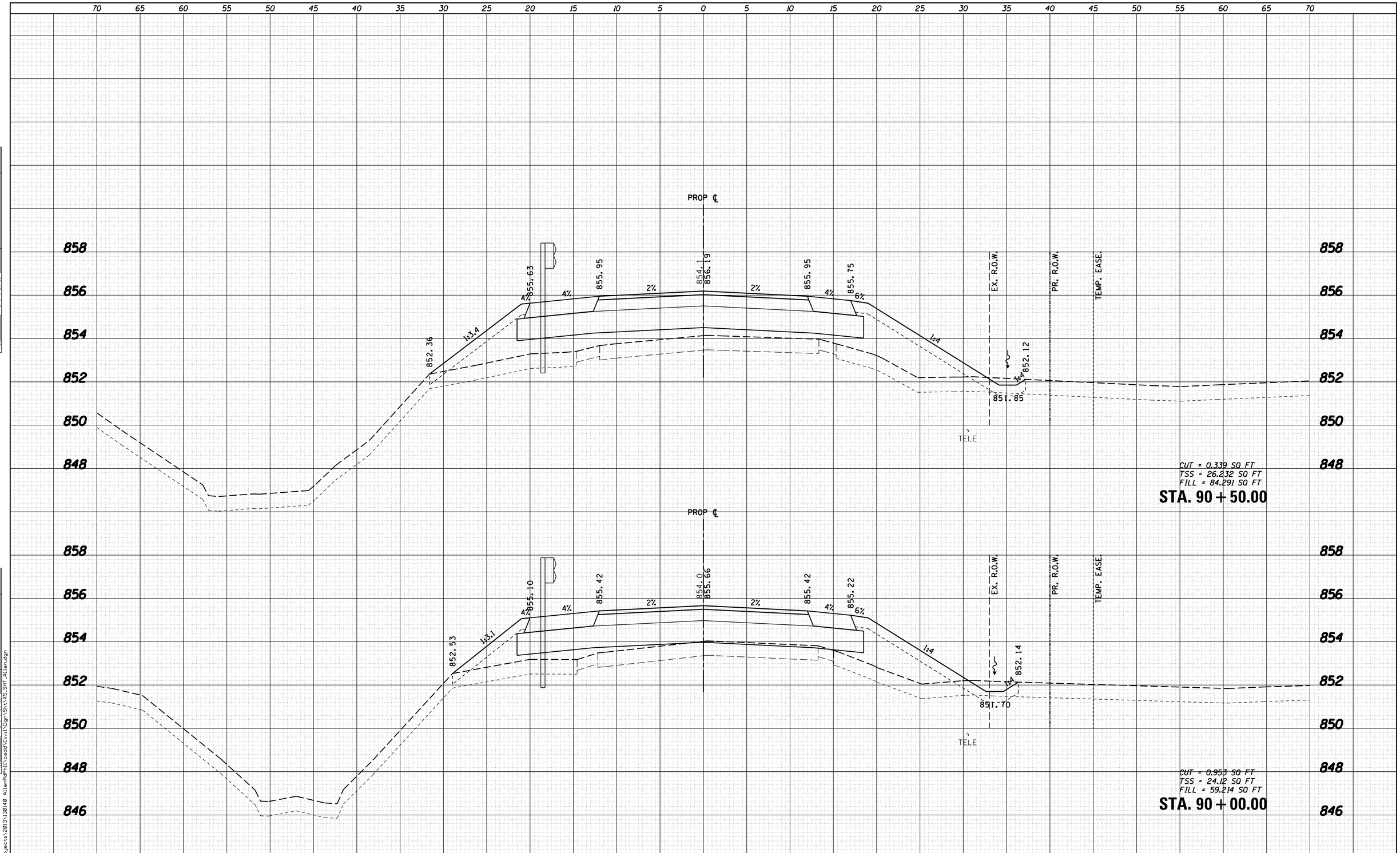
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 5 OF 22 SHEETS | STA. 89+00.00 TO STA. 89+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	67

CONTRACT NO.

ILLINOIS | FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\30140 AllenRdPhil\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

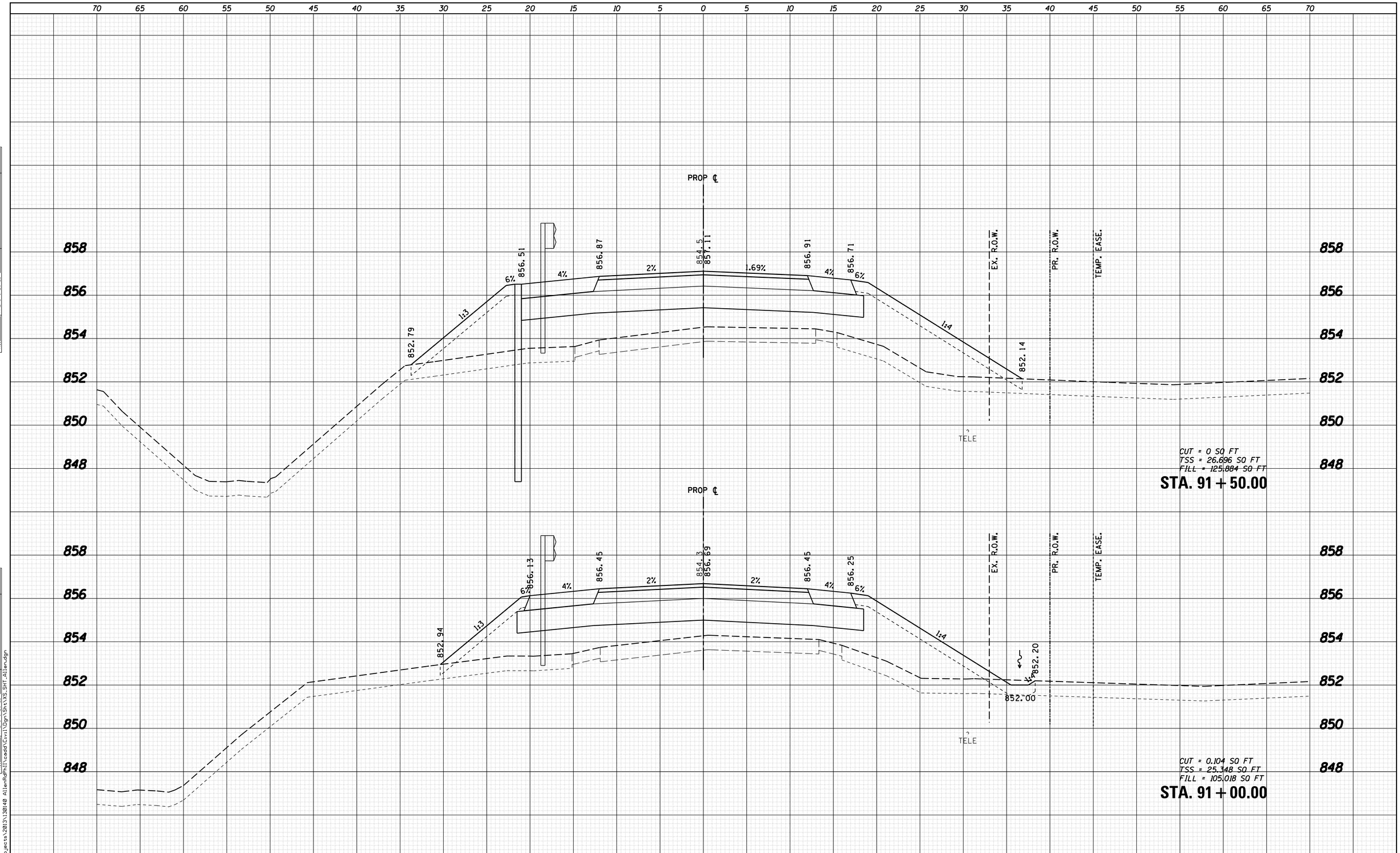
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 6 OF 22 SHEETS | STA. 90+00.00 TO STA. 90+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	68

CONTRACT NO.

ILLINOIS FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS-SHT-Allen.dgn

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St. Charles, Illinois 60174

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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

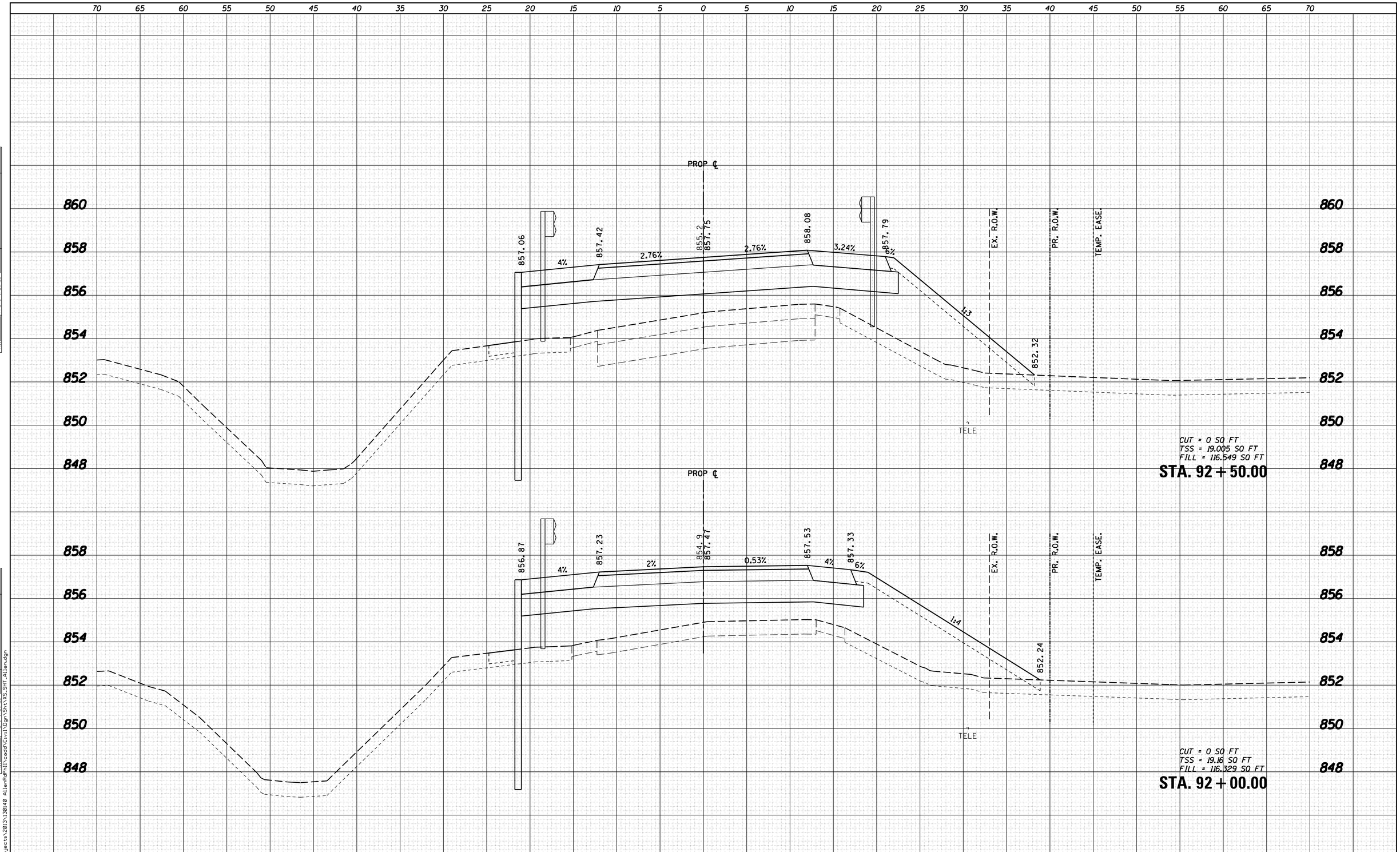
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 7 OF 22 SHEETS | STA. 91+00.00 TO STA. 91+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	69

CONTRACT NO.

ILLINOIS | FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_Sht_Allen.dgn

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St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

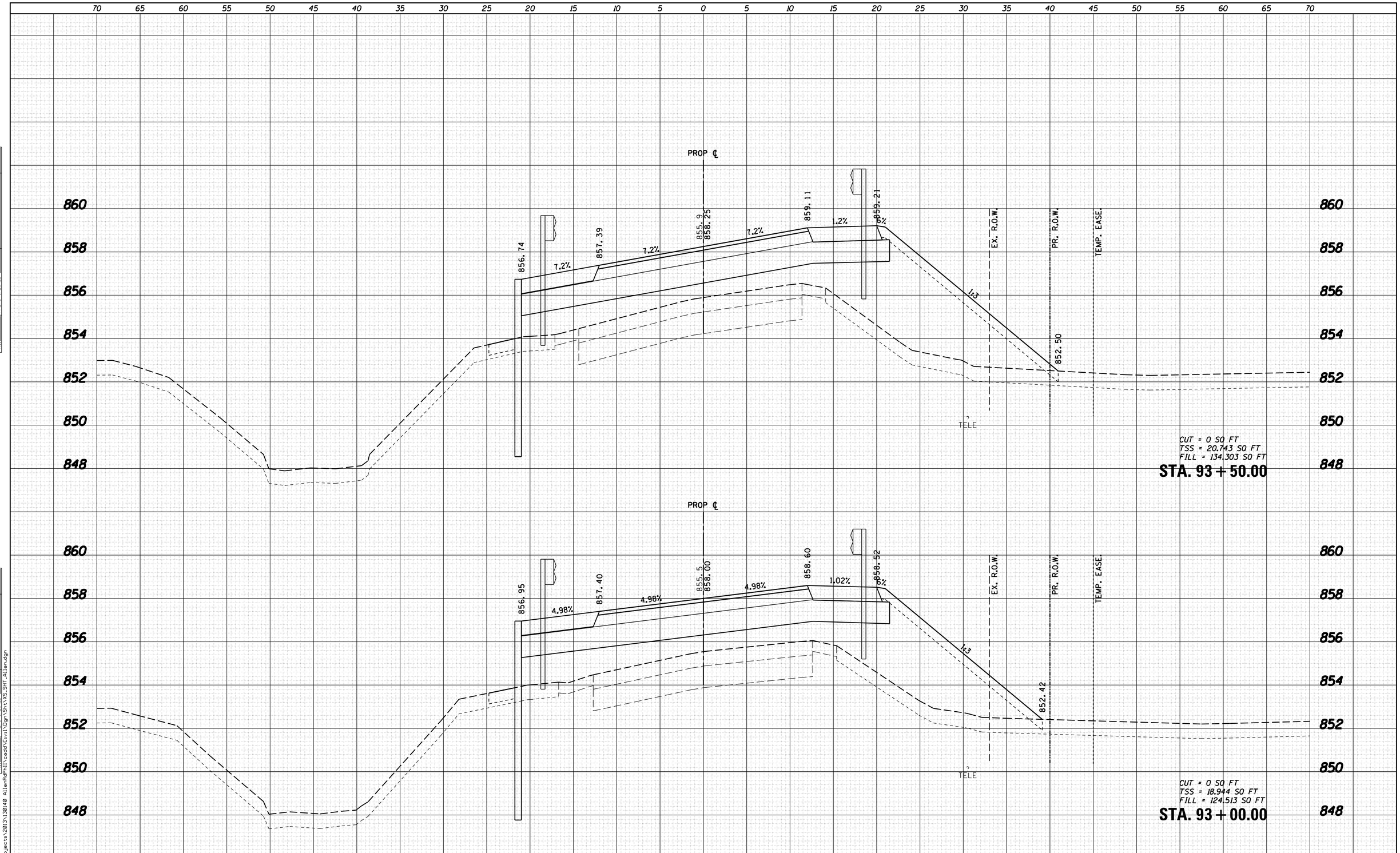
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 8 OF 22 SHEETS | STA. 92+00.00 TO STA. 92+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	70

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

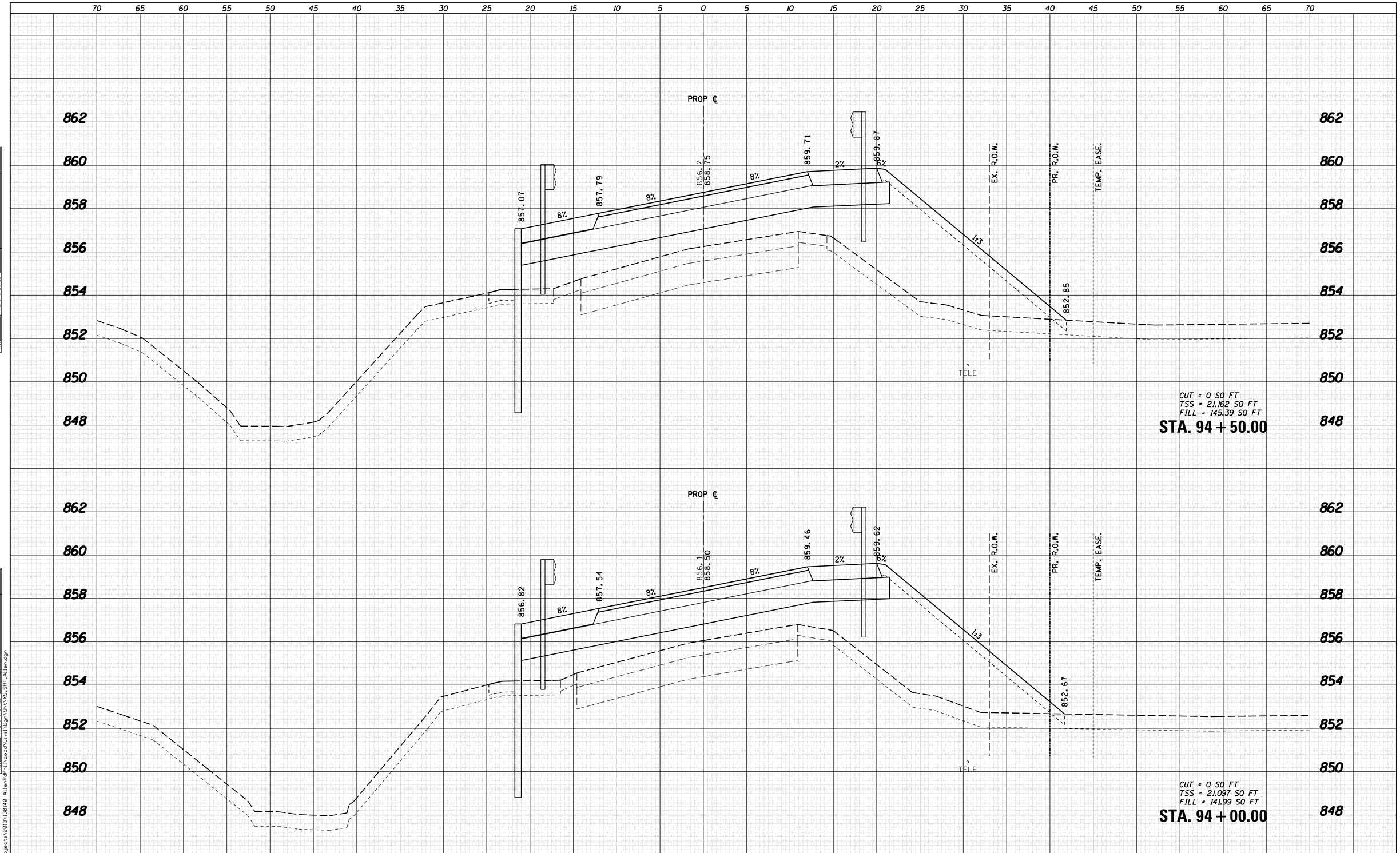
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 9 OF 22 SHEETS | STA. 93+00.00 TO STA. 93+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	71

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

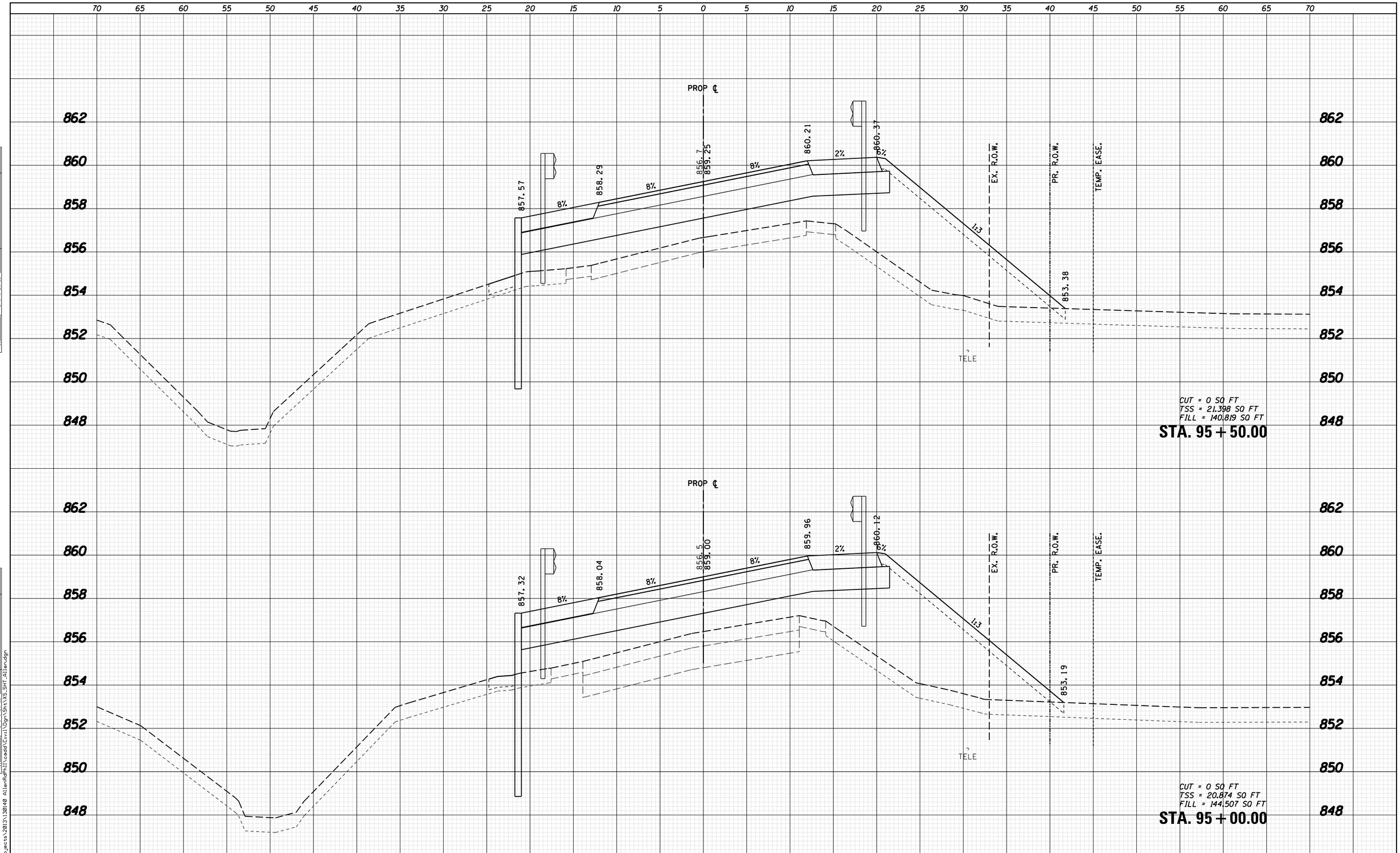
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 10 OF 22 SHEETS | STA. 94+00.00 TO STA. 94+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	72

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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

USER NAME = nparris	DESIGNED -	REVISED -
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PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

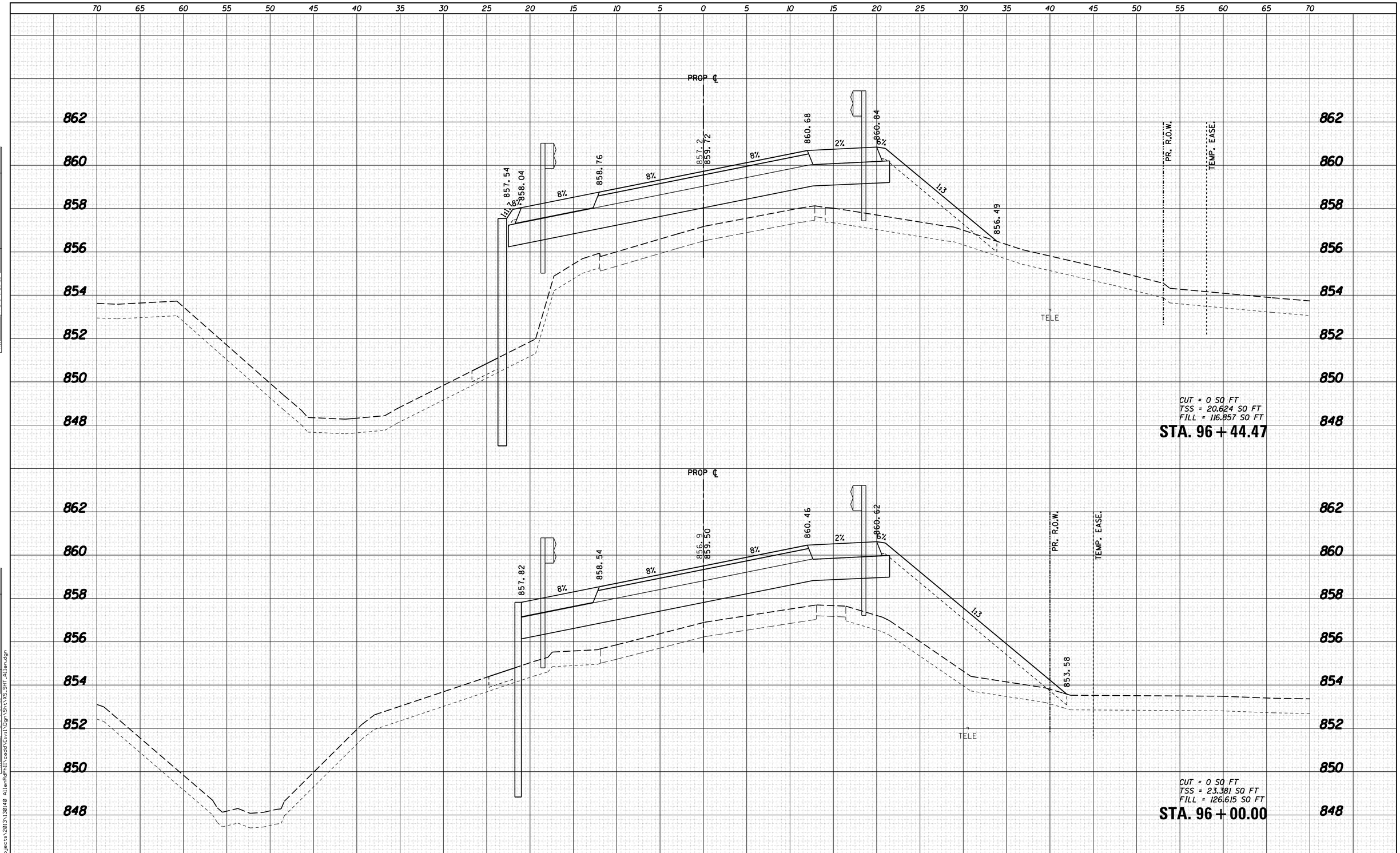
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 11 OF 22 SHEETS | STA. 95+00.00 TO STA. 95+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	73

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

USER NAME = nparris	DESIGNED -	REVISED -
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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

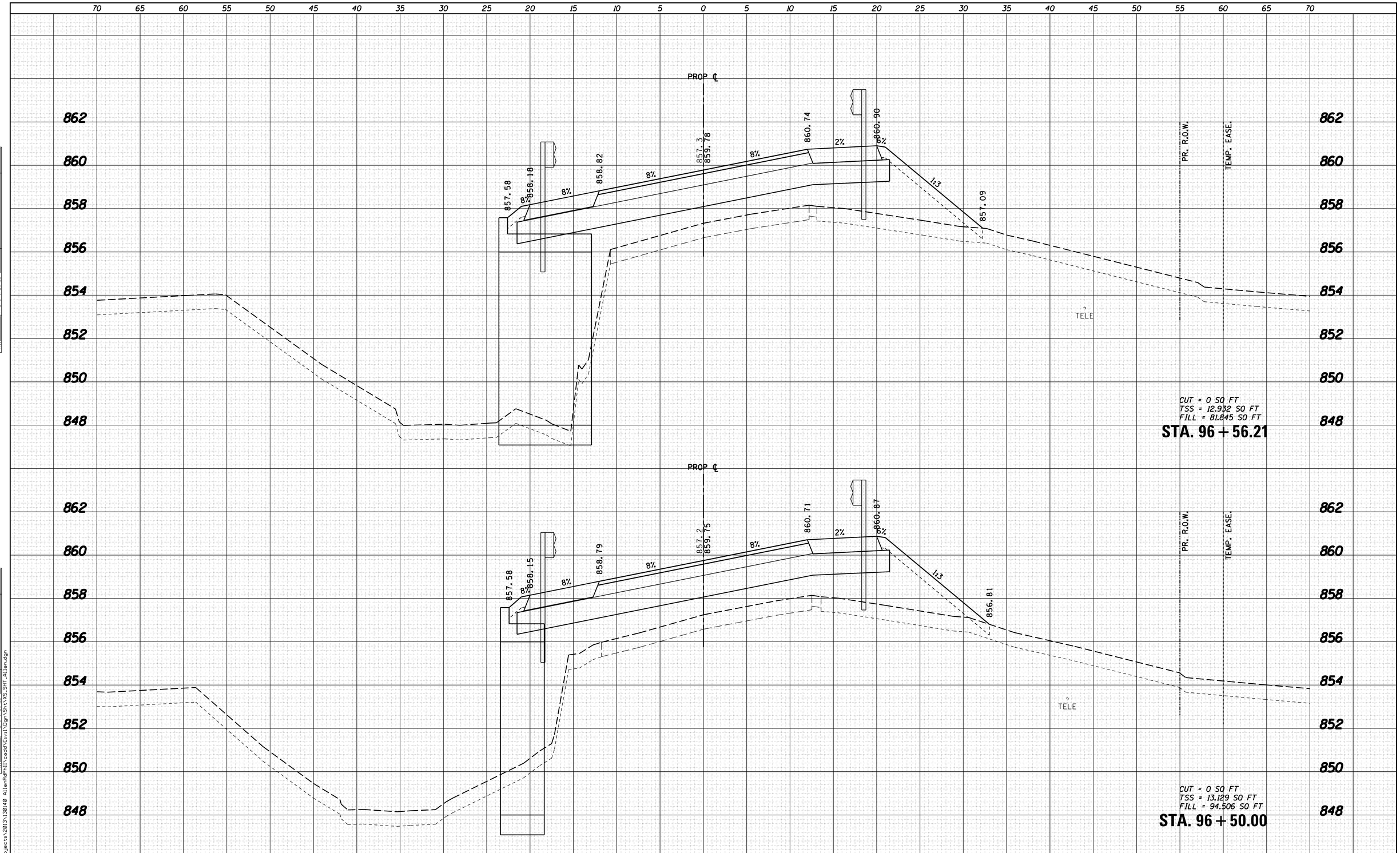
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: 5H:2V | SHEET NO. 12 OF 22 SHEETS | STA. 96+00.00 TO STA. 96+44.47

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	74

CONTRACT NO.

ILLINOIS FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

FILE NAME = W:\Projects\2013\130140 AllenRdPhil\cadd\Civil\Dgn\Sht\XS_Sht_Allen.dgn

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

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PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

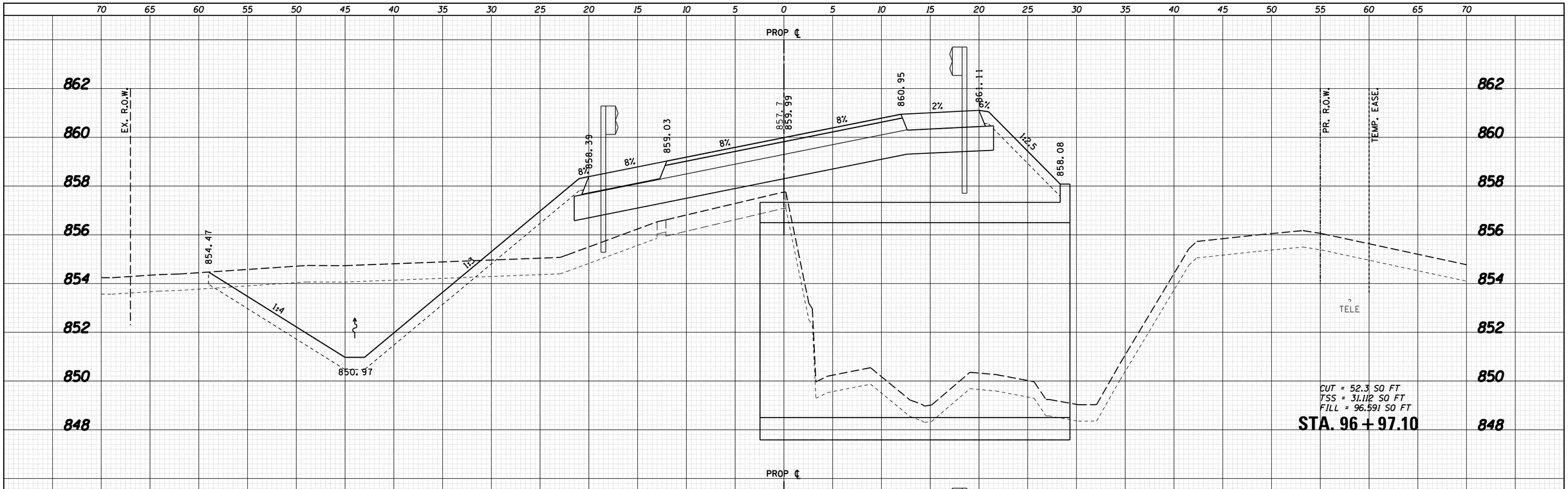
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

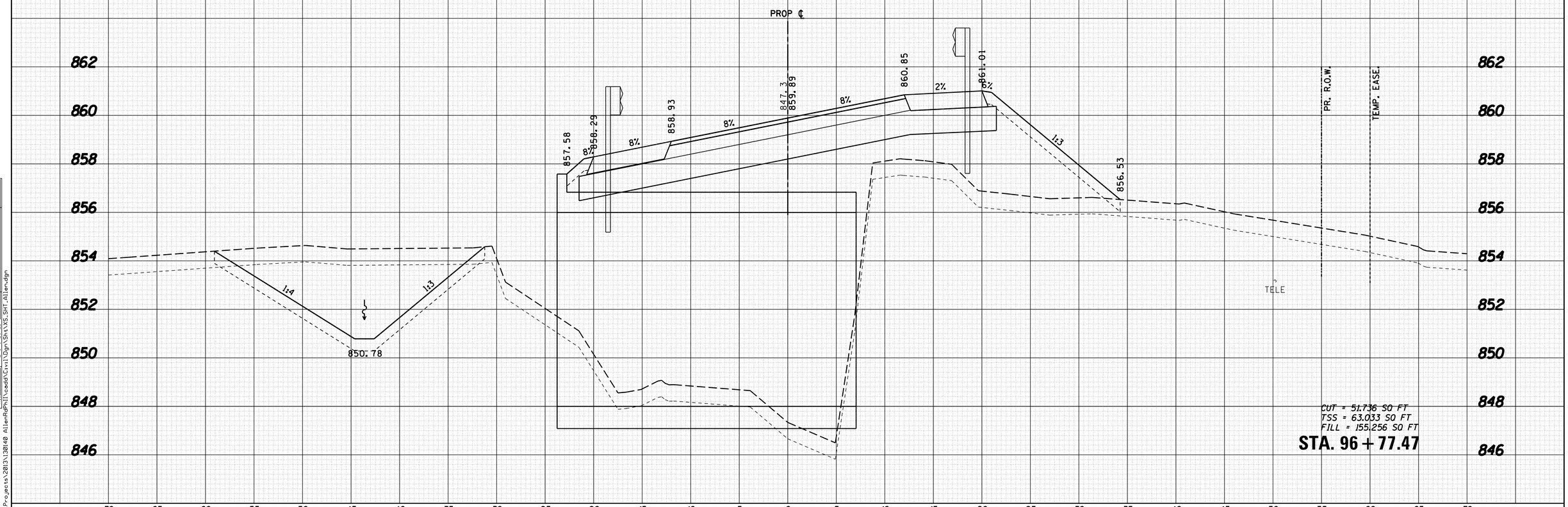
SCALE: H:5 V:2 | SHEET NO. 13 OF 22 SHEETS | STA. 96+50.00 TO STA. 96+56.21

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	75

CONTRACT NO.

ILLINOIS FED. AID PROJECT





FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
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AREAS		
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NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

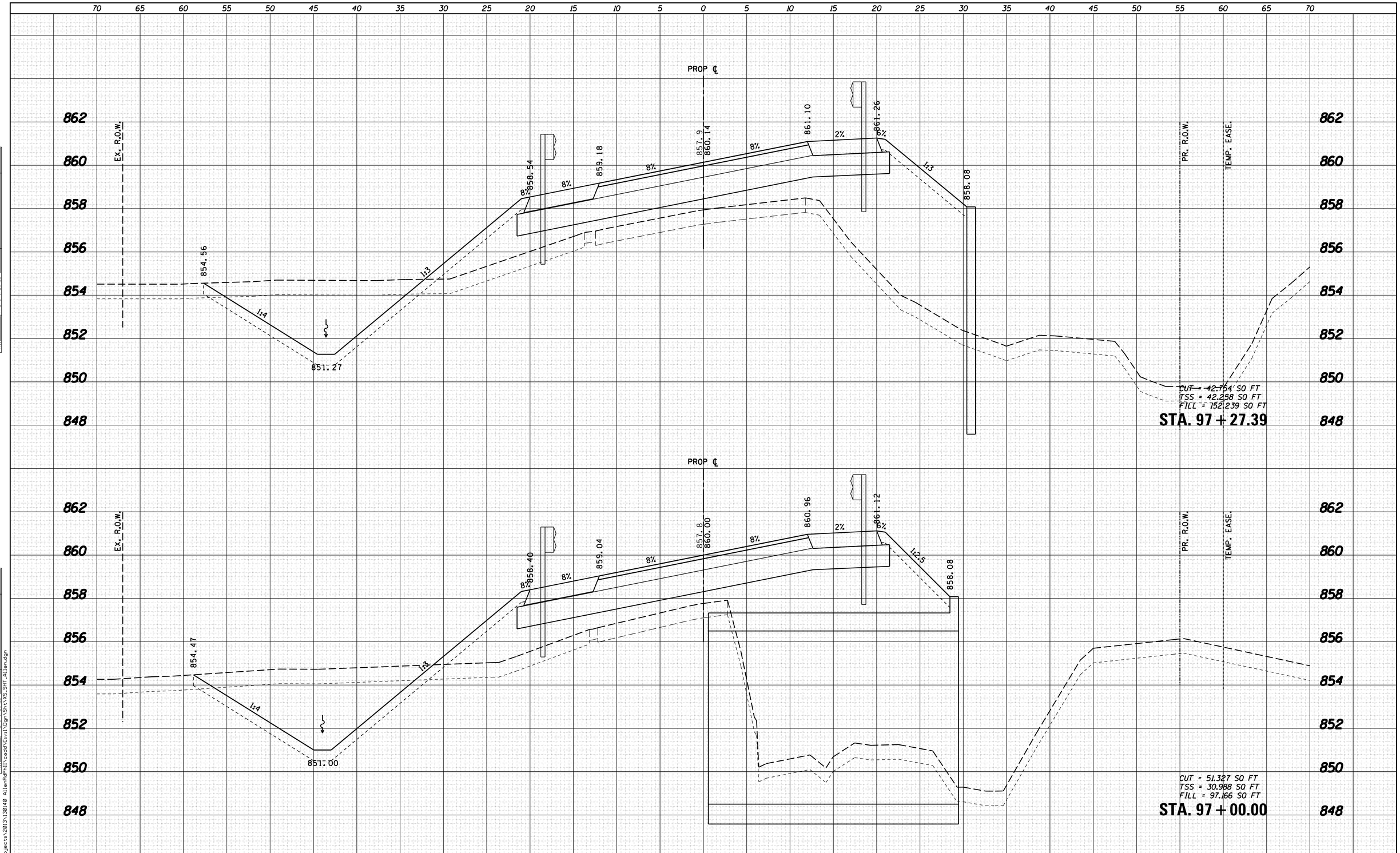
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 14 OF 22 SHEETS | STA. 96+77.47 TO STA. 96+97.10

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	76

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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NOTE BOOK NO.		

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116 West Main Street, Suite 201
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PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

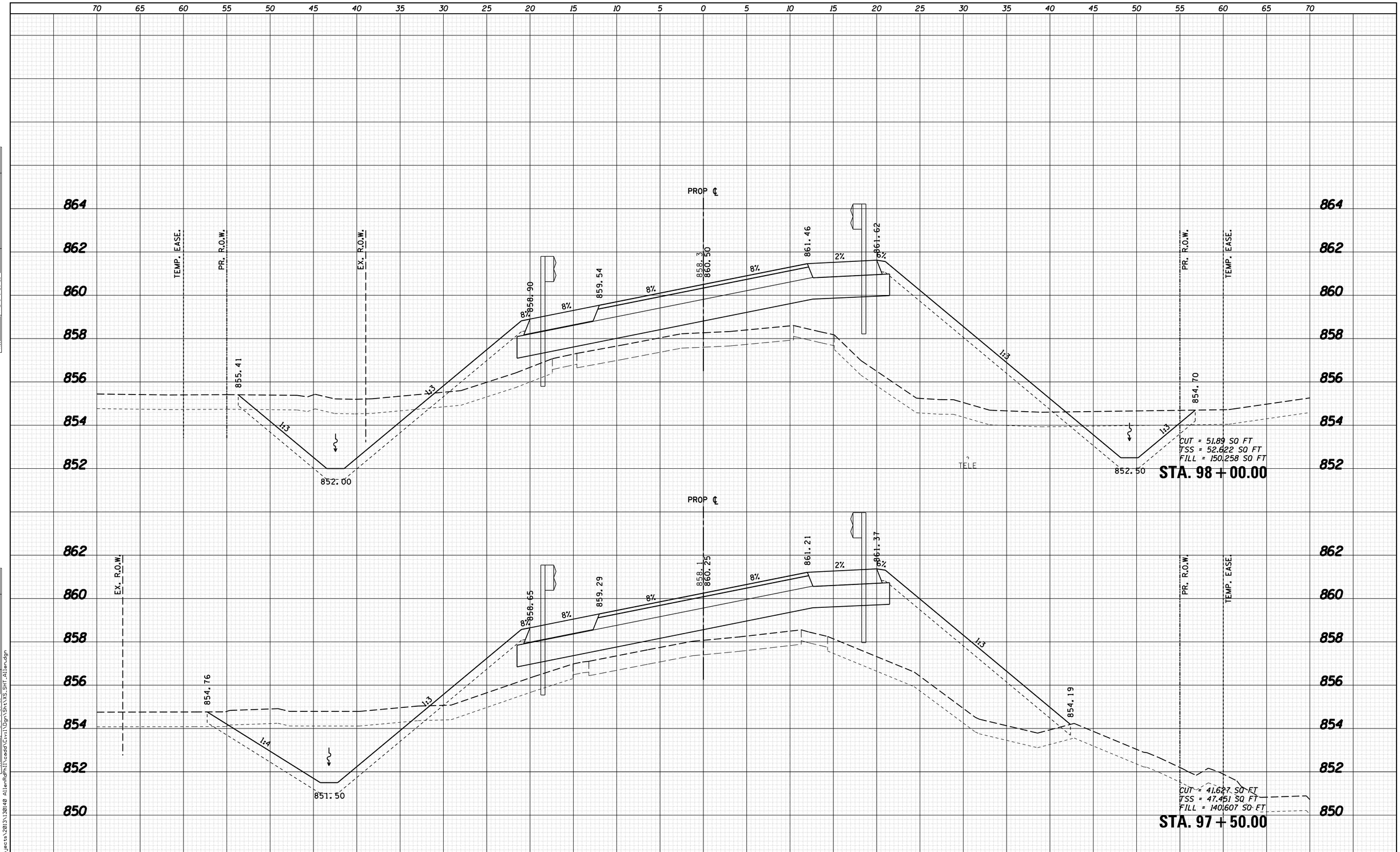
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 15 OF 22 SHEETS | STA. 97+00.00 TO STA. 97+27.39

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	77

CONTRACT NO.

ILLINOIS FED. AID PROJECT



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

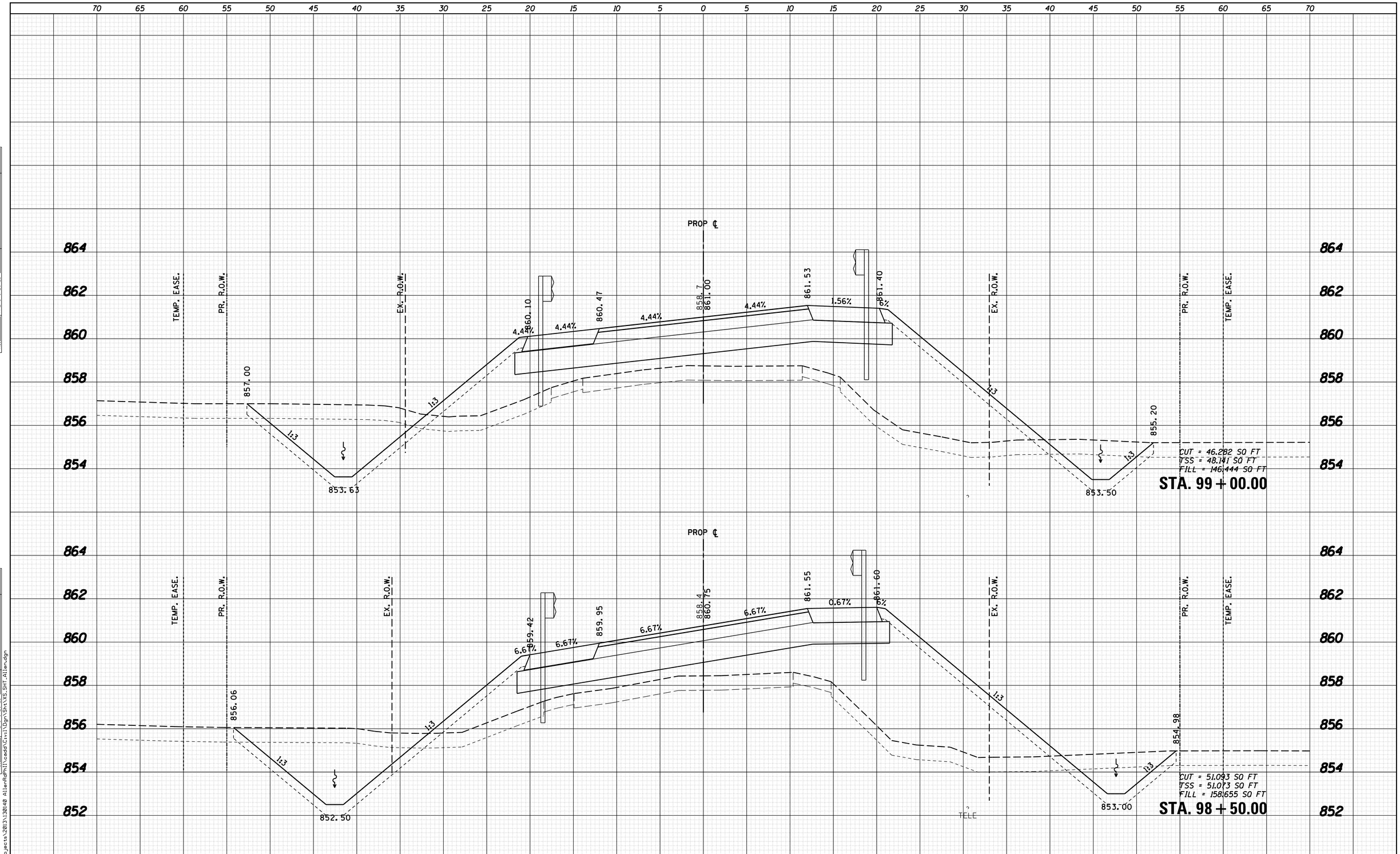
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 16 OF 22 SHEETS | STA. 97+50.00 TO STA. 98+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	78

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

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

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

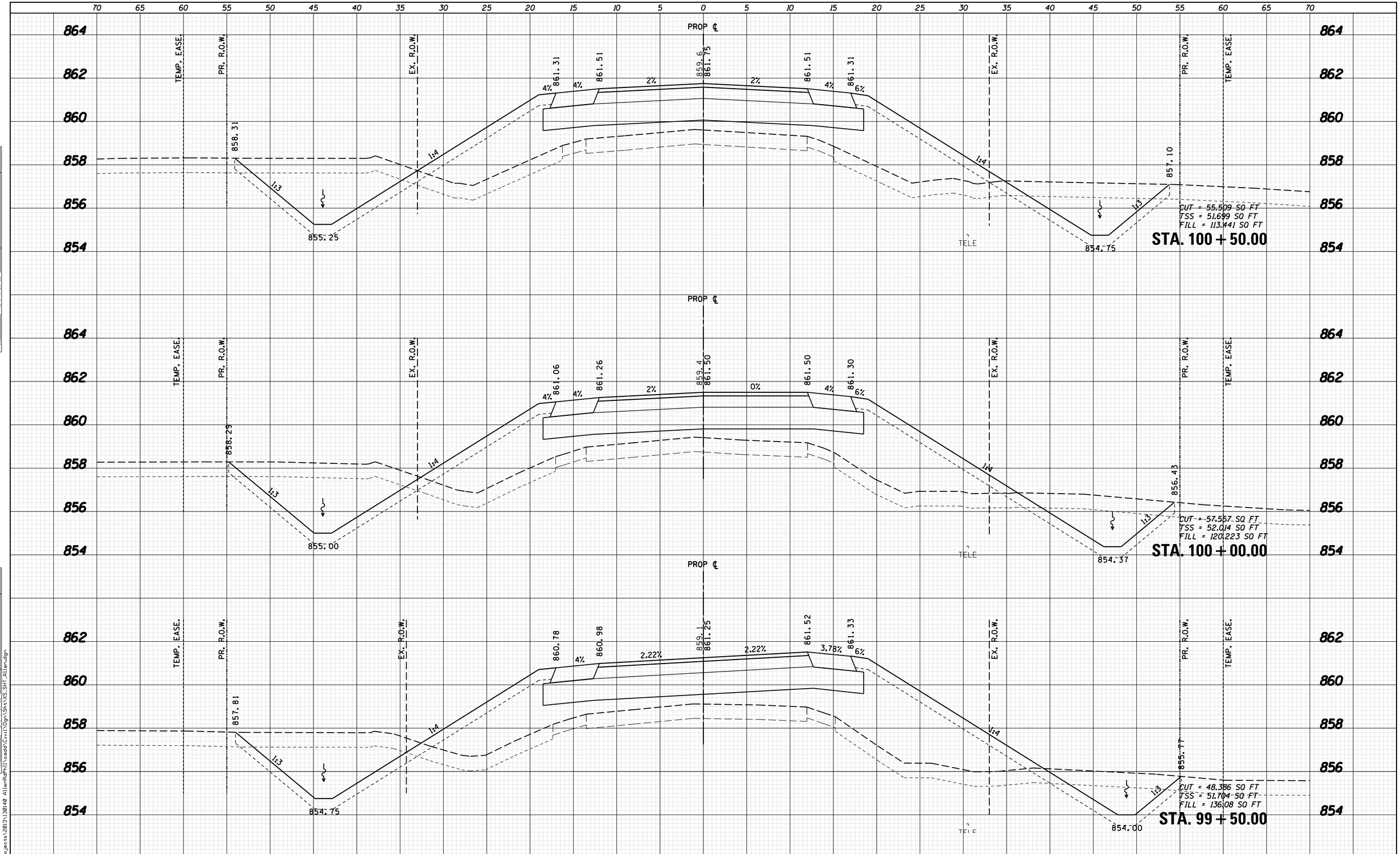
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 17 OF 22 SHEETS | STA. 98+50.00 TO STA. 99+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	79

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\30140 AllenRdPhil\cadd\Civil\Dgn\Sht\XS-SHT-Allen.dgn

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St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

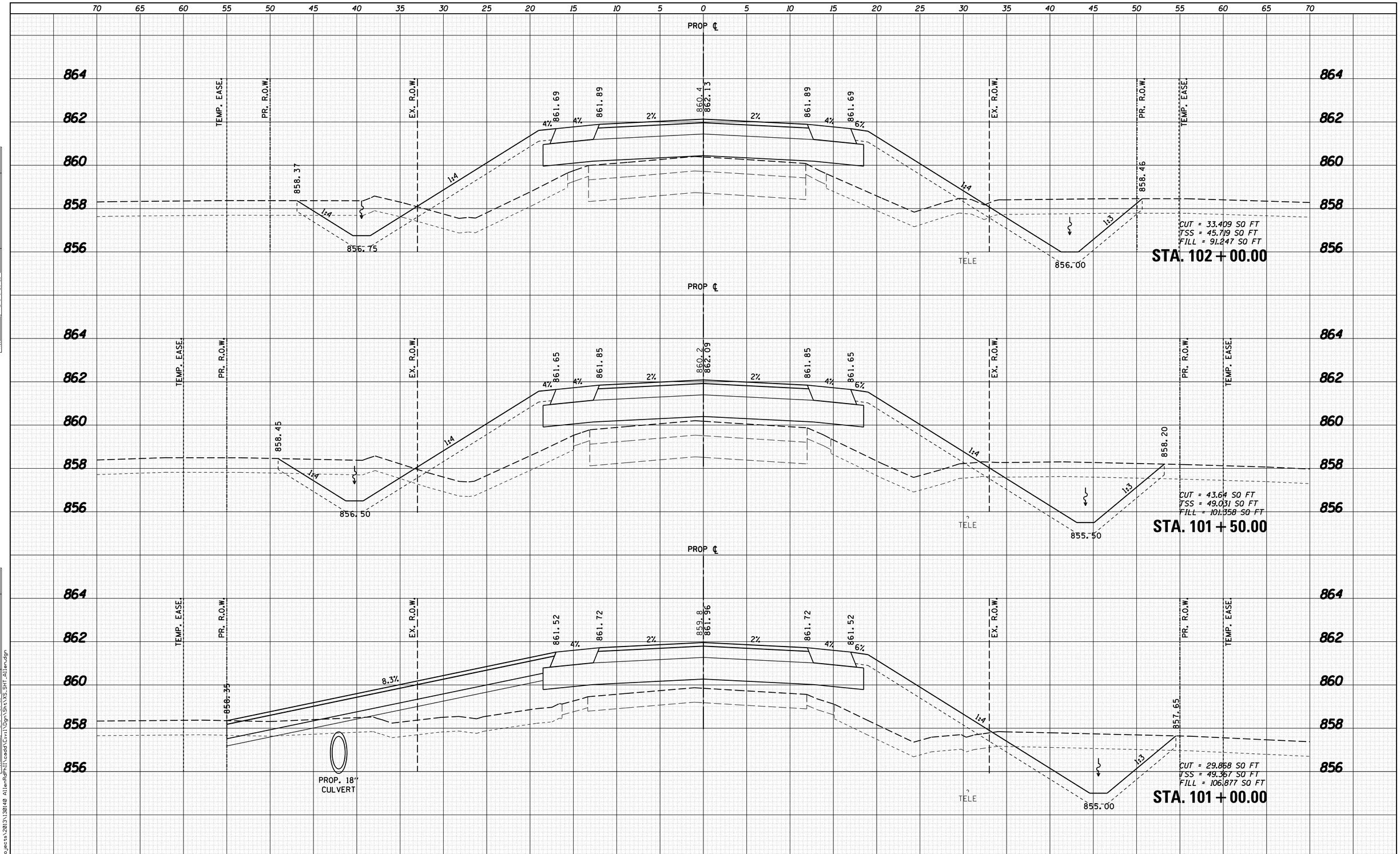
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 18 OF 22 SHEETS | STA. 99+50.00 TO STA. 100+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	80

CONTRACT NO.

ILLINOIS | FED. AID PROJECT



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

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

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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

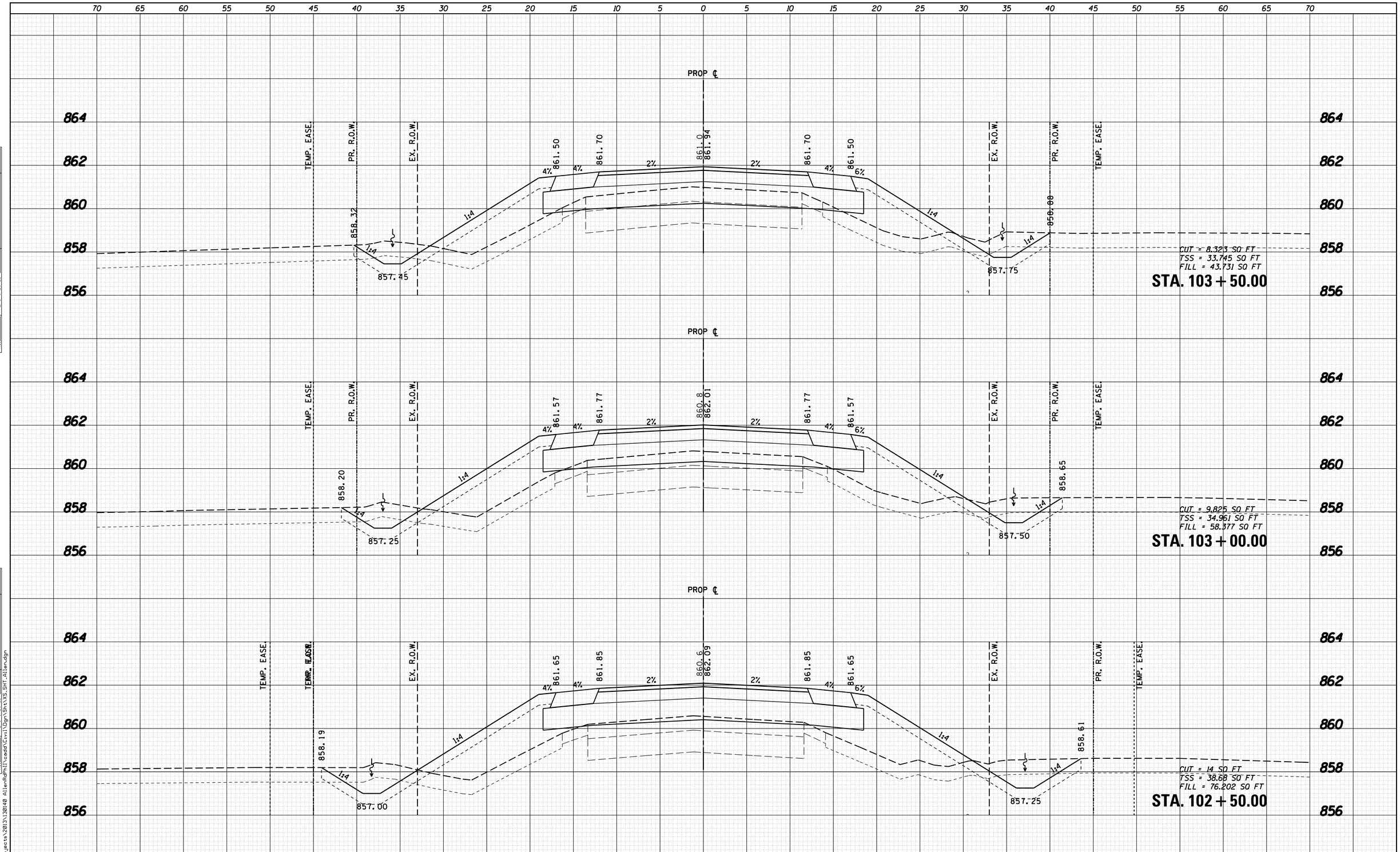
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 19 OF 22 SHEETS | STA. 101+00.00 TO STA. 102+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	81

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\130140 AllenRdPhII\cadd\Civil\Dgn\Sht\XS_SHT_Allen.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

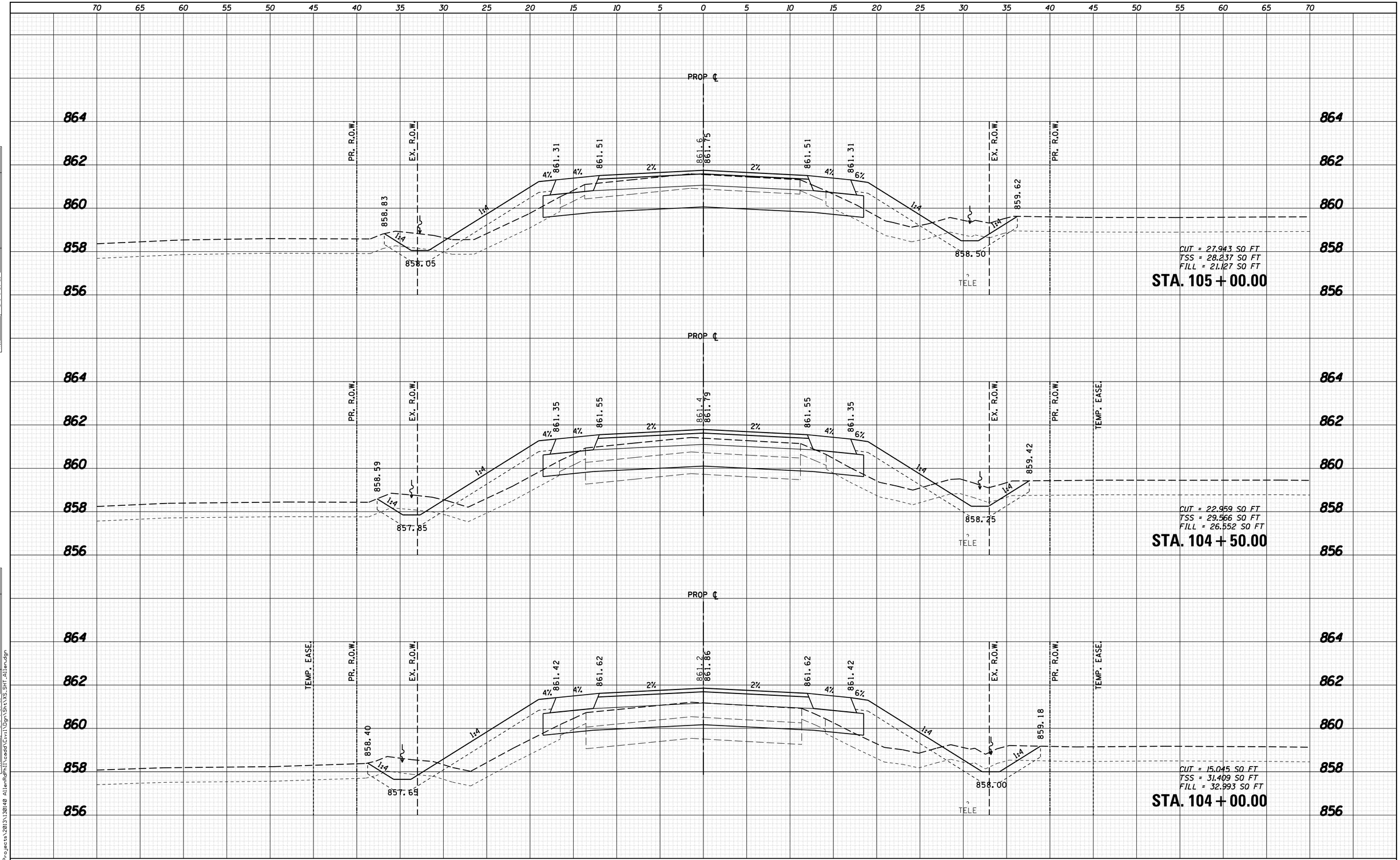
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 20 OF 22 SHEETS | STA. 102+50.00 TO STA. 103+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	82

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = W:\Projects\2013\30140 AllenRdPhI\cadd\Civil\Dgn\Sht\XS_Sht-Allen.dgn

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

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	DRAWN -	REVISED -
PLOT SCALE = 1:5	CHECKED -	REVISED -
PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

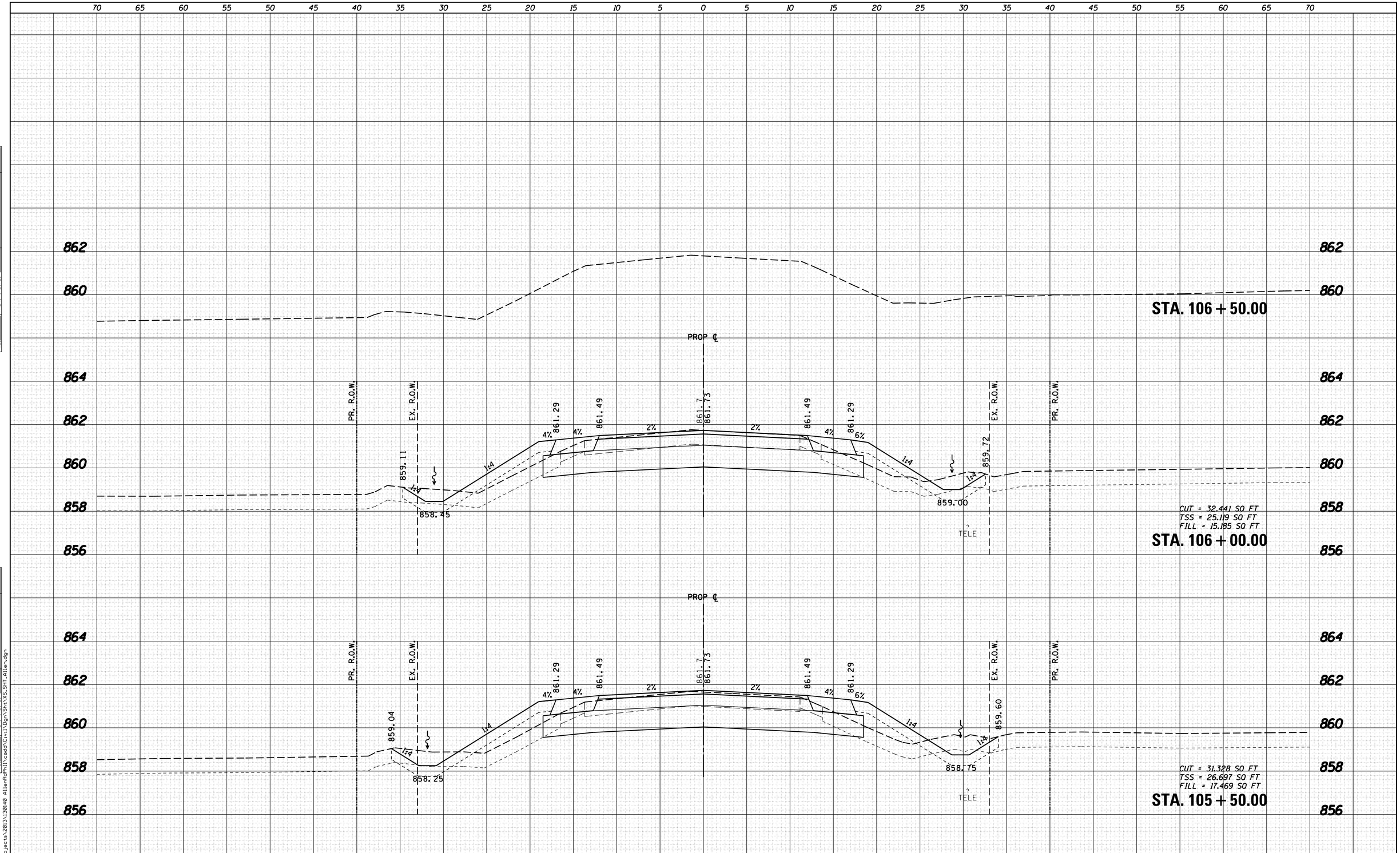
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 21 OF 22 SHEETS | STA. 104+00.00 TO STA. 105+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	83

CONTRACT NO.

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
SURVEYED			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			
NOTE BOOK			
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FILE NAME = W:\Projects\2013\130140 AllenRdPhil\cadd\Civil\Dgn\Sht\XS-SHT-Allen.dgn

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PLOT DATE = 5/29/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

SCALE: H:5 V:2 | SHEET NO. 22 OF 22 SHEETS | STA. 105+50.00 TO STA. 107+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	84

CONTRACT NO.

ILLINOIS | FED. AID PROJECT