

11-06-2015 LETTING ITEM 088

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	1
		ILLINOIS	CONTRACT NO. 61B90	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN HAMPSHIRE TOWNSHIP

TRAFFIC DATA

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

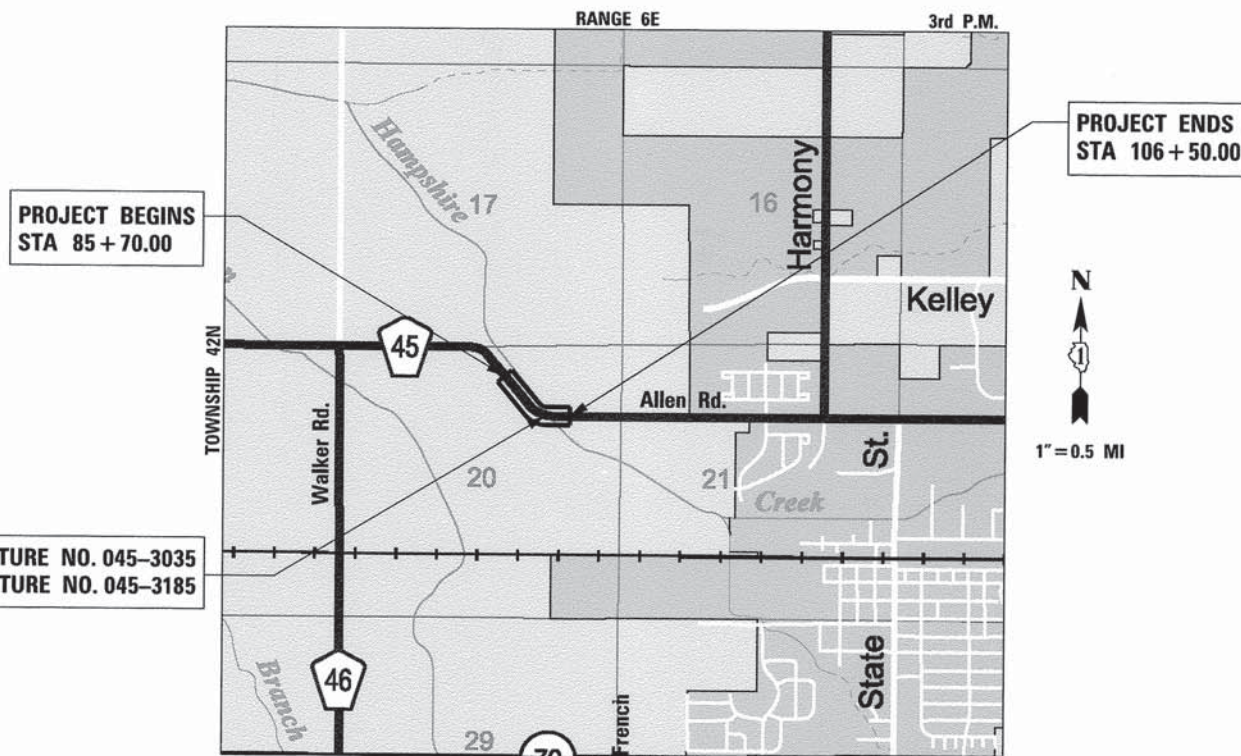
DESIGN/POSTED SPEED

POSTED SPEED: 55 MPH
DESIGN SPEED: 60 MPH

DESIGN DESIGNATION

LOCAL ROAD (NON-URBAN)

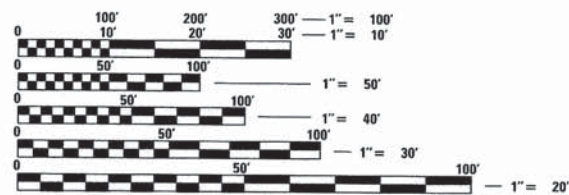
**C.H. 45 (ALLEN ROAD)
OVER HAMPSHIRE CREEK
BRIDGE REHABILITATION
SECTION 11-00132-01-BR
PROJECT BROS-0089(166)
KANE COUNTY
JOB NO. C-91-085-12**



EX STRUCTURE NO. 045-3035
PR STRUCTURE NO. 045-3185

PROJECT ENDS
STA 106+50.00

PROJECT BEGINS
STA 85+70.00



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT NET AND GROSS LENGTH = 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, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED July 31 2015
[Signature]
COUNTY ENGINEER, KANE COUNTY

PASSED August 18 2015
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW August 19 2015
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

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

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



July 29 2015
[Signature]
PAUL J. FITZPATRICK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637
EXPIRATION DATE 11-30-2015
SHEETS 1-44, 57-84



August 3 2015
[Signature]
ANDREW E. UNDERWAGER
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 081-006218
EXPIRATION DATE 11-30-2016
SHEETS 45-56

CONTRACT NO. 61B90

GENERAL NOTES

- 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.
- 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)
- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLE 105.07.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- MAINTENANCE OF TRAFFIC - GENERAL: TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER. CLEANING AND MAINTENANCE OF TRAFFIC CONTROL DEVICES, INCLUDING SIGNS, WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED THE APPLICABLE TRAFFIC CONTROL PAY ITEM.

DRAINAGE NOTES

- DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THIS WORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE 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 AND SHALL BE PAID FOR AS "PIPE DRAINS" OF THE DIAMETER SPECIFIED". THE DRAIN PIPE MATERIAL SHALL BE PVC OR CORRUGATED PVC WITH A SMOOTH INTERIOR IN ACCORDANCE WITH SECTION 601. A TYPE A INLET W/ TYPE 1 CLOSED LID WILL BE CONSTRUCTED TO CONNECT THE TILE(S) AND/OR PIPE DRAIN. A NOMINAL QUANTITY OF 12", 15" AND 18" HAVE BEEN INCLUDED IN THE PLAN QUANTITIES.

PRIOR TO MAKING THE CONNECTION THE CONTRACTOR SHALL CLEAN THE ENDS OF THE TILE TO BE CONNECTED. IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATION THE EXISTING TILE SHALL BE REMOVED OR CRUSHED AND TRENCH BACKFILL MATERIAL SHALL BE PLACED IN THE TRENCH LEFT BY THE REMOVAL. THE TILE REMOVAL SHALL BE PAID FOR AS "EXISTING FIELD TILE REMOVAL". TRENCH BACKFILL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE TILE REMOVAL.
- MORTAR:
ALL CONNECTION POINTS WHERE THE DRAIN TILE OR STORM SEWER ENTERS THE DRAINAGE STRUCTURE SHALL BE MORTARED ON THE INSIDE AND OUTSIDE OF THE DRAINAGE STRUCTURE. THE MORTAR MATERIAL SHALL BE PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. THE MORTAR MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 602.04. MORTARING THE PIPE CONNECTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAIN TILE OR STORM SEWER PIPE AND INSTALLATION.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT

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

TREE PROTECTION

THERE IS NO TREE REMOVAL ANTICIPATED FOR THIS PROJECT. THERE IS ONE TREE AT STA. 97+20, 73' RT WHICH IS TO BE SAVED. THE CONTRACTOR SHALL PROVIDE PROTECTION MEASURES AS DETAILED IN THE PLANS TO PROTECT THE TREE FROM POTENTIAL DAMAGE DURING CONSTRUCTION OPERATIONS. THERE IS PROPOSED CHANNEL GRADING ADJACENT TO THE TREE. THE CONTRACTOR SHALL ADJUST THE GRADING IN THE VICINITY OF TREE TO PROTECT THE TREE AND TREE ROOT SYSTEM FROM DAMAGE.

EARTHWORK AND ROADWAY

- EARTHWORK SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESPREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO STOCK PILE MATERIAL(S) BEYOND THE PROJECT LIMITS. THE CONTRACTOR WILL NOT PLACE STOCK PILES IN LOCATIONS WHERE THEY WILL DRAINAGE WAYS OR ON PAVEMENTS THAT ARE NOT SPECIFIED FOR REMOVAL. ANY DAMAGE REQUIRING REPAIR CAUSED BY THE CONTRACTORS STOCK PILING OR CONSTRUCTION OPERATIONS WILL BE DONE AT NO ADDITIONAL COST TO THE CONTRACT.
- 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.
- ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
- PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

REMOVAL NOTES

- 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.
- KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL SIGNS, WHICH INCLUDE BUT ARE NOT LIMITED TO REGULATORY, WARNING AND RECREATION SIGNS, ALONG ALLEN ROAD FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF THESE SIGNS WITH THE ENGINEER. THE SIGNS TO BE REMOVED HAVE BEEN IDENTIFIED IN THE PLANS FOR GENERAL REFERENCE.

PROPOSED 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.

USGS CREST STAGE MONITORING GAUGE

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 ON THE REMOVAL AND REPLACEMENT OF THE GAUGE. SEE SPECIAL PROVISION FOR "STREAM GAUGE" FOR ADDITIONAL INFORMATION.

PERMANENT SURVEY MONUMENT

THERE IS A KANE COUNTY SURVEY MARKER THAT WILL BE REMOVED AS PART OF THE CONSTRUCTION OPERATIONS. A PROPOSED PERMANENT SURVEY MONUMENT (MARKER) SHALL BE CONSTRUCTED AS DETAILED IN THE PLANS. 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.

SEE SPECIAL PROVISION FOR "SURVEY MONUMENT" FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING THE INSTALLATION OF THE SURVEY MONUMENT.

RIGHT OF WAY MARKERS

RIGHT OF WAY MARKERS SHALL BE IN ACCORDANCE WITH SECTION 666 OF THE STANDARD SPECIFICATION AND AS DETAILED ON IDOT STANDARD 666001 AND SHALL BE INSTALLED PER METHOD A.

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.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE SEE RECORD PLANS ON SHEETS 51-52.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS & STANDARDS
3-5	SUMMARY OF QUANTITIES
6-12	TYPICAL SECTIONS
13-18	SCHEDULE OF QUANTITIES
19	ALIGNMENT, TIES & BENCHMARKS
20-21	REMOVAL PLAN
22-25	PLAN & PROFILE
26-27	DETOUR PLAN
28-29	EROSION CONTROL & SEEDING PLAN
30	EROSION CONTROL & SEEDING NOTES
31-33	EROSION CONTROL & SEEDING DETAILS
34-37	DRAINAGE & UTILITY PLAN & PROFILE
38-41	PLAT OF HIGHWAYS
42	CULVERT & CHANNEL GRADING PLAN
43-44	PAVEMENT MARKING & SIGNING PLAN
45-56	STRUCTURAL PLANS
57-58	GENERAL DETAILS
59	DISTRICT 1 DETAIL - BD-51
60	DISTRICT 1 DETAIL - TC-10
61	DISTRICT 1 DETAIL - TC-13
62	DISTRICT 1 DETAIL - TC-21
63-84	CROSS SECTIONS

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

SURVEY DATUM

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

HYDRAULIC REPORT

THOSE SEEKING THE FULL HYDRAULIC REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

MICHAEL ZAKOSEK, PE
CHIEF OF DESIGN
630-584-1170
zakosekmike@co.kane.il.us

GEOTECHNICAL REPORT

THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:

MICHAEL ZAKOSEK, PE
CHIEF OF DESIGN
630-584-1170
zakosekmike@co.kane.il.us

FILE NAME = W:\Projects\2013\130148 AllenRdPh1Road\Civil\Ugns\Shet\GENNOTE.dgn



USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/25/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/25/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES,
INDEX OF SHEETS & STANDARDS**

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	2
CONTRACT NO.61B90				
ILLINOIS FED. AID PROJECT				

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
		20101000	TEMPORARY FENCE	FOOT	164	164	
		20101400	NITROGEN FERTILIZER NUTRIENT	POUND	120	120	
		20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	120	120	
	S	20200100	EARTH EXCAVATION	CU YD	1,770	1,770	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	575	575	
		20300100	CHANNEL EXCAVATION	CU YD	315	315	
		20400800	FURNISHED EXCAVATION	CU YD	4,020	4,020	
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	210		210
		20800150	TRENCH BACKFILL	CU YD	30.9	30.9	
		20900110	POROUS GRANULAR BACKFILL	CU YD	211	211	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	1,725	1,725	
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,300	2,300	
		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	SO YD	11,104	11,104	
		25100900	TURF REINFORCEMENT MAT	SO YD	187	187	
		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	SO YD	7	7	
		28100109	STONE RIPRAP, CLASS A5	SO YD	666	534	132
		28200200	FILTER FABRIC	SO YD	673	541	132
	S	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	575	575	
	S	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	8,615	8,615	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	167	167	
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	23,425	23,425	
		40701846	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"	SO YD	5,075	5,075	
		44000100	PAVEMENT REMOVAL	SO YD	8	8	

FILE NAME = \\V:\Projects\2013\1320140 - 11-00132-01-01\Drawings\11-00132-01-01.dwg



USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/30/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 9/1/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	3
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

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
		48203030	HOT-MIX ASPHALT SHOULDERS, 8 1/4'	SO YD	2,916	2,916	
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
		50105220	PIPE CULVERT REMOVAL	FOOT	31	31	
		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	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
	S	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2	
		542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	122	122	
		542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	40	40	
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2	
		60100945	PIPE DRAINS 12"	FOOT	75	75	
		60100955	PIPE DRAINS 15"	FOOT	75	75	
		60100965	PIPE DRAINS 18"	FOOT	75	75	
		60107600	PIPE UNDERDRAINS 4"	FOOT	564	564	
	S	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	1,722	1,722	
		60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	6	6	
•		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,275	1,275	
•		63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	612.5	612.5	
•		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	
		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	
•	S	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
•		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	97	97	
	S	X0324079	EXISTING FIELD TILE REMOVAL	FOOT	100	100	

FILE NAME = \\A\Projects\2013\130148 - Allamogosa\1\Drawings\01\01.dgn



USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE:	SHEET NO. 2 OF 3 SHEETS	STA. TO STA.	C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			45	11-00132-01-BR	KANE	84	4
			CONTRACT NO.61B90				
			<small>ILLINOIS FED. AID PROJECT</small>				

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						ROADWAY 0004 NON-URBAN	CULVERT 0011 NON-URBAN
	S	X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	2,241	2,241	
	S	X0326806	WASHOUT BASIN	L SUM	1	1	
	S	X0327638	STREAM GAUGE	EACH	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	SO 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 PAVEMENT MARKER	EACH	104	104	
	S	XX007958	DIVERSION STRUCTURE	EACH	1	1	
	S	Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SO YD	152	152	
	S	Z0004638	PAVEMENT BREAKING	SO YD	3,002	3,002	
	S	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	100	100	
	S	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	S	Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42.5	42.5	
	S	Z0070200	SURVEY MONUMENTS	EACH	1	1	

FILE NAME = W:\Projects\2013\1204\40 - 11-00132-01-01\Drawings\1000\1000_08.dgn



USER NAME = rnparr13	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

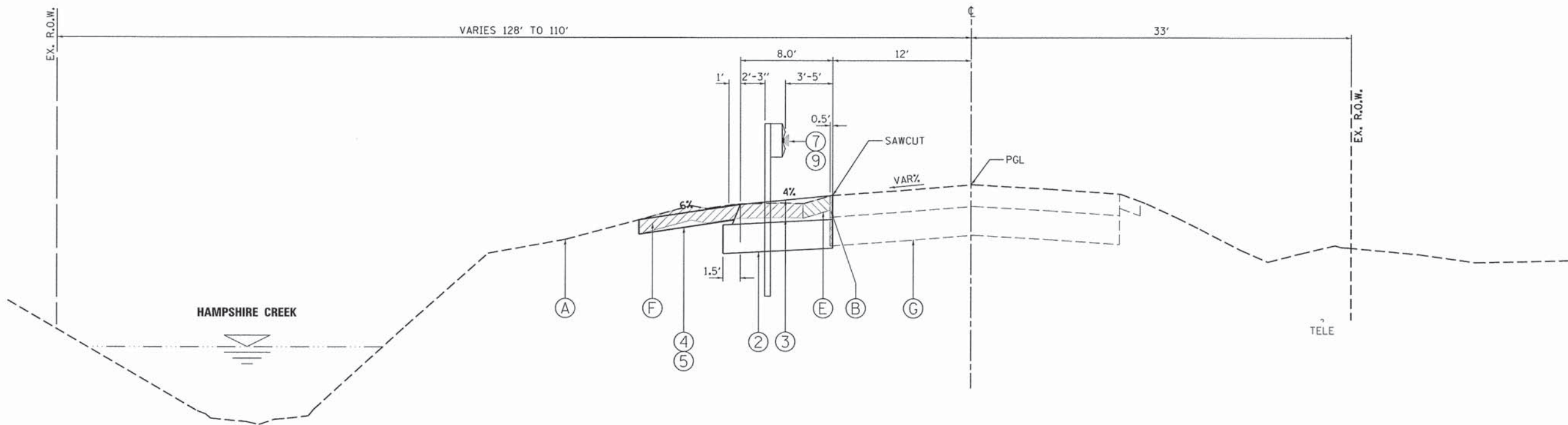
SUMMARY OF QUANTITIES

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. 61B90

ILLINOIS FED. AID PROJECT



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, 6.0'-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0'-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0'-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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, 8-1/4" (48203030)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 6" (SPECIAL) (60108200)

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 (8-1/4")	
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), 6-1/4" (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

- 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.
- 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.
- 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.

FILE NAME: M:\Projects\2013\100140 - AllenRd\IT\Road\Civil\Drawings\Typ_01.dgn

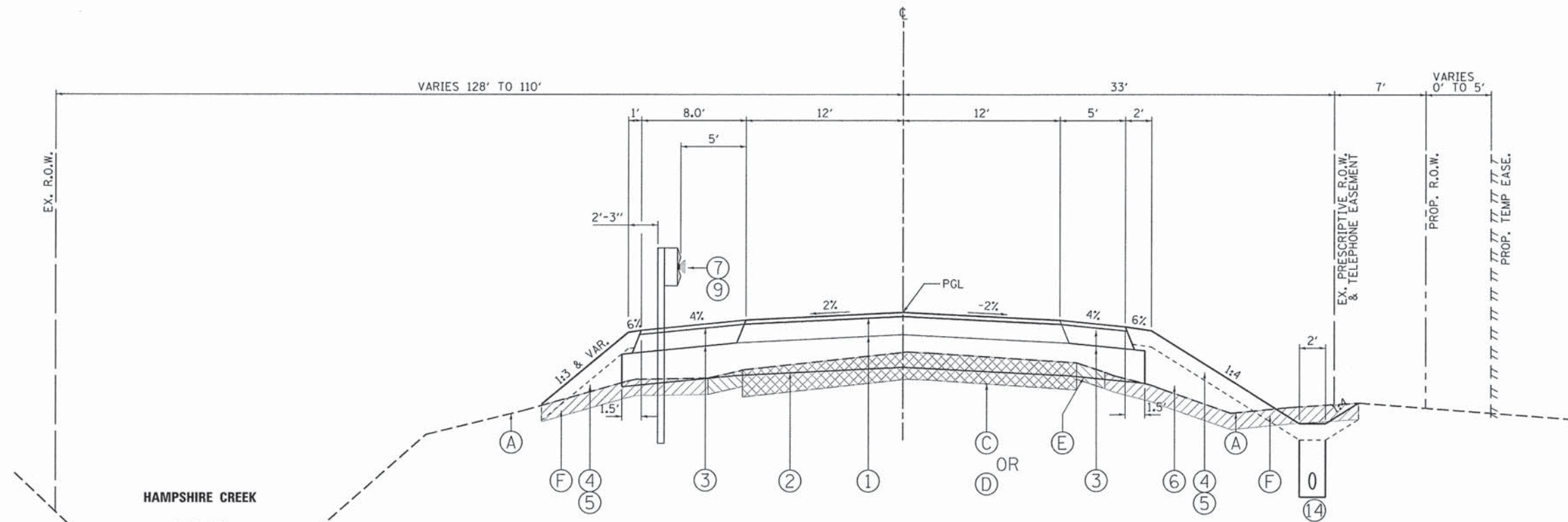
WILLIS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME: nparis	DESIGNED - SBP/RD	REVISED -
PLOT SCALE: 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE: 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET NO. 1 OF 7 SHEETS
STA.	TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	6
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



SURFACE REMOVAL (MILLING):
 STA. 87+00 TO STA. 91+00 LT, ALLEN ROAD
 STA. 87+00 TO STA. 91+00 RT, ALLEN ROAD

PAVEMENT BREAKING:
 STA. 91+00 TO STA. 91+50 LT, ALLEN ROAD
 STA. 91+00 TO STA. 92+50 RT, ALLEN ROAD

TYPICAL SECTION NO. 2
 STA. 87+00 TO STA. 91+50 LT, ALLEN ROAD
 STA. 87+00 TO STA. 92+50 RT, ALLEN ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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.

NOTE:

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

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, 8-1/4" (48203030)
 2" SURFACE COURSE, MIX "D", N50
 6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
 (TO BE PAID AS EARTH EXCAVATION - 20200100
 AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 6" (SPECIAL) (60108200)

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 (8-1/4")	
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), 6-1/4" (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/50 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

- 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.
- 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.
- 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.

FILE NAME: W:\Projects\2013\120140 - Allentown\11\cadd\Civil\Drawings\Sheet\TYP_02.dgn

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

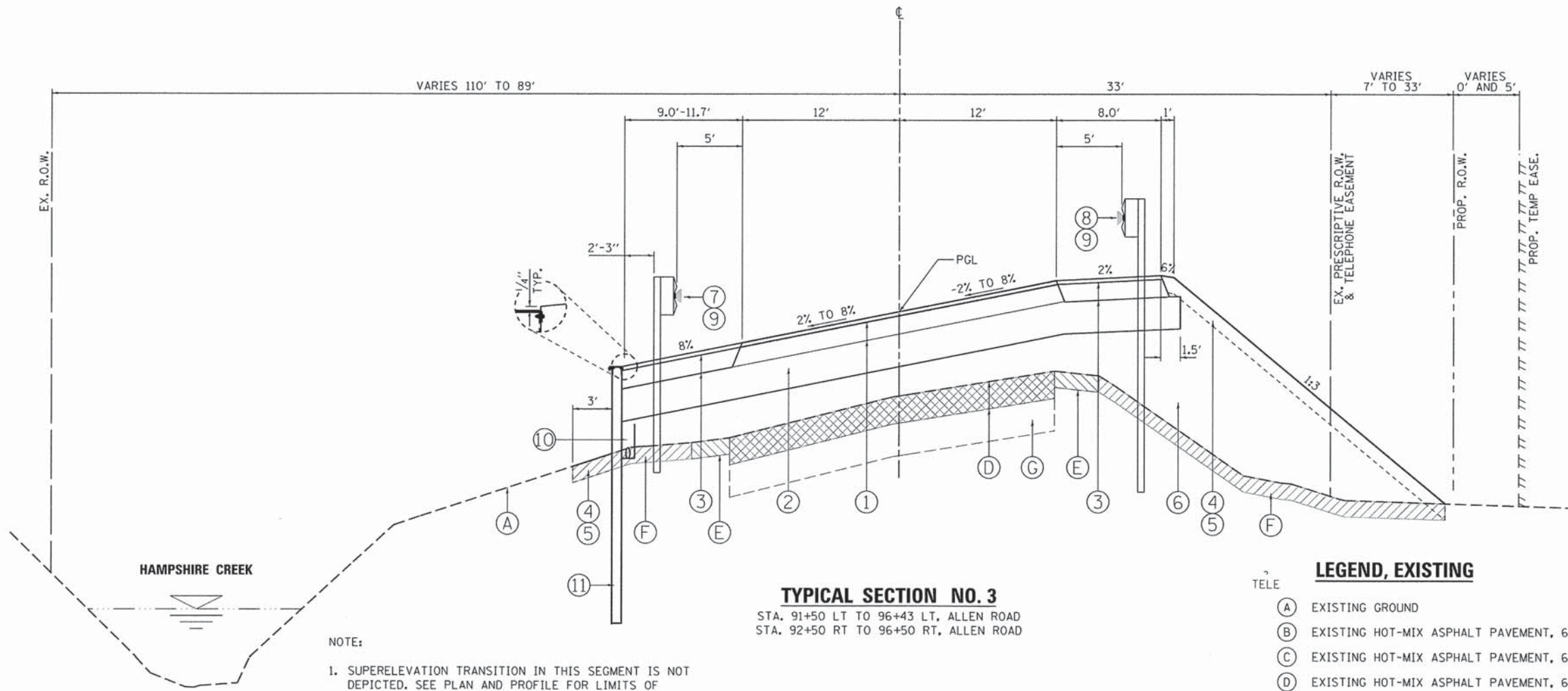
USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**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	7
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



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

TYPICAL SECTION NO. 3
 STA. 91+50 LT TO 96+43 LT, ALLEN ROAD
 STA. 92+50 RT TO 96+50 RT, ALLEN ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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, 8-1/4" (48203030)
 2" SURFACE COURSE, MIX "D", N50
 6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
 (TO BE PAID AS EARTH EXCAVATION - 20200100
 AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 6" (SPECIAL) (60108200)

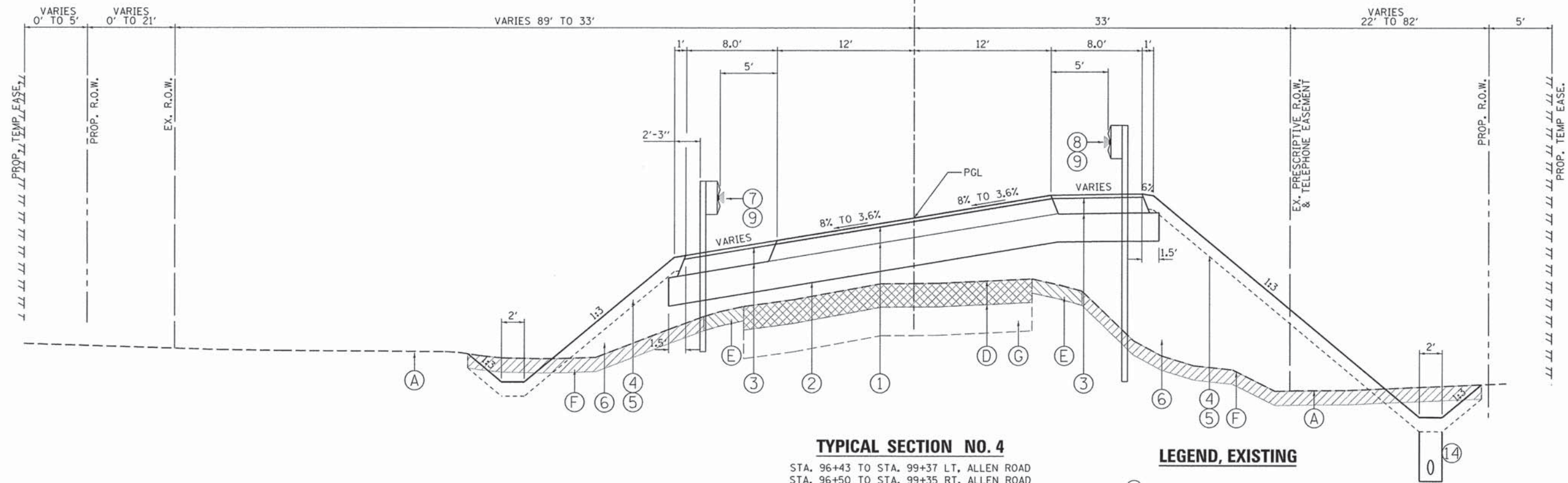
EXISTING PAVEMENT NOTES

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 (8-1/4")	
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), 6-1/4" (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/SO 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.



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:

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

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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, 8-1/4" (48203030)
 2" SURFACE COURSE, MIX "D", N50
 6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
 (TO BE PAID AS EARTH EXCAVATION - 20200100
 AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER FABRIC SOCK, 6" (SPECIAL) (60108200)

EXISTING PAVEMENT NOTES

- 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.
- 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.
- 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 (8-1/4")	
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), 6-1/4" (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/50 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.

FILE NAME: W:\P\projects\2013\130140 - AllenRoad\Drawings\Civil\Drawings\Typical\Typ_04.dgn

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

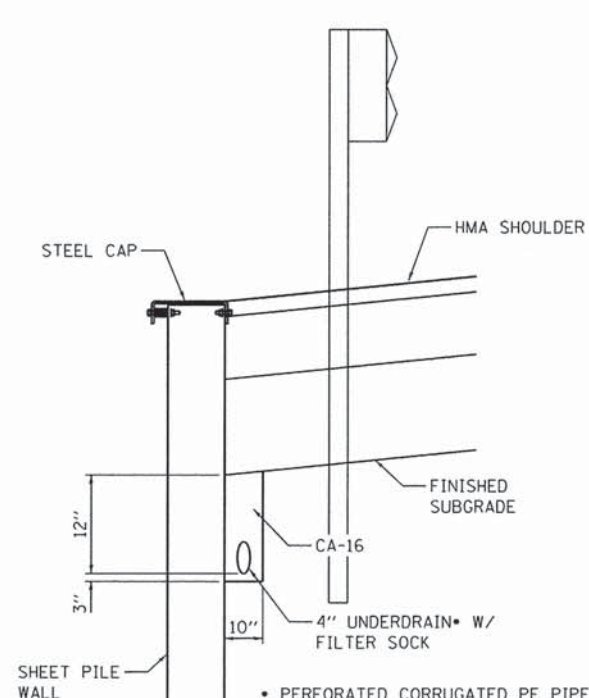
USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

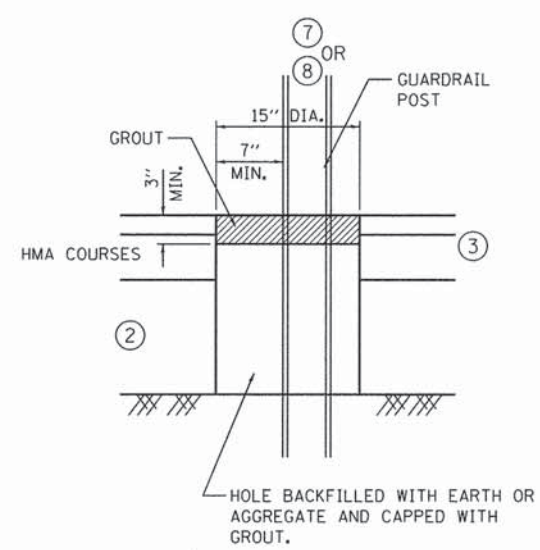
SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	9
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



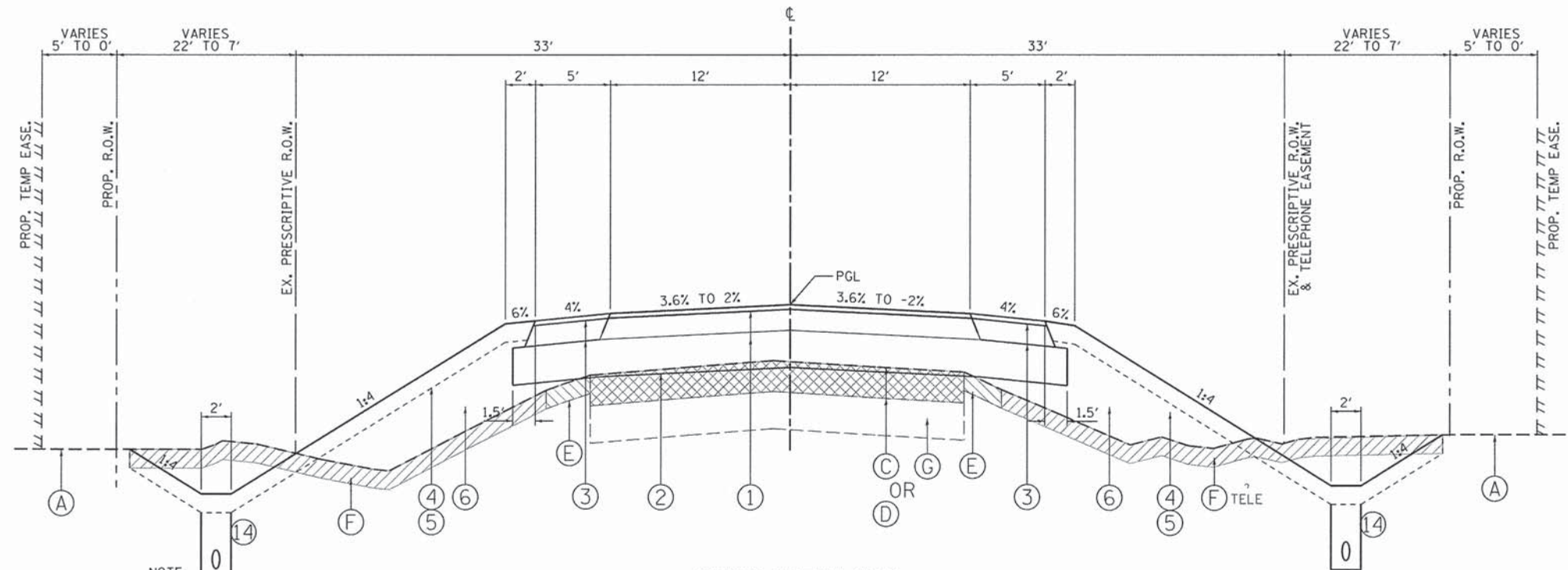
UNDERDRAIN DETAIL

LONGITUDINAL
SEE DRAINAGE & UTILITY PLAN & PROFILE SHEETS FOR LOCATIONS



GUARDRAIL GROUT DETAIL

SEE STD. 630201 FOR ADDITIONAL DETAILS



TYPICAL SECTION NO. 5

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

PAVEMENT BREAKING:
STA. 99+37 TO STA. 102+00 LT, ALLEN ROAD
STA. 99+35 TO STA. 102+00 RT, ALLEN ROAD

SURFACE REMOVAL (MILLING):
STA. 102+00 TO STA. 106+00 LT, ALLEN ROAD
STA. 102+00 TO STA. 106+00 RT, ALLEN ROAD

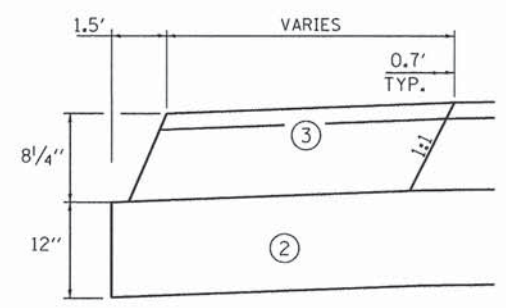
- NOTE:
1. SUPERELEVATION TRANSITION IN THIS SEGMENT IS NOT DEPICTED. SEE PLAN AND PROFILE FOR LIMITS OF SUPERELEVATION TRANSITIONS.
 2. DITCH TRANSITION GRADING EXTENDS TO STA. 106+50

LEGEND, EXISTING

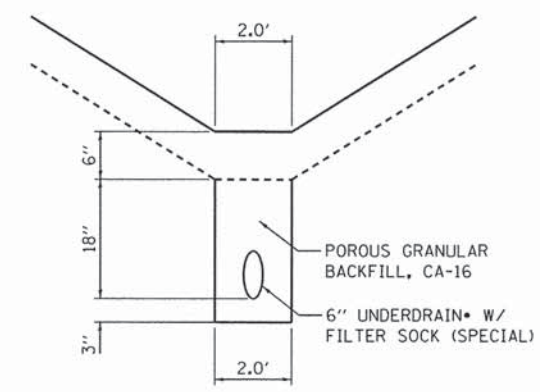
- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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, 8-1/4" (48203030)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER SOCK, 6" (SPECIAL) (60108200)



HMA SHOULDER DETAIL



PIPE UNDERDRAIN IN DITCH DETAIL

STA. 101+31 TO STA. 106+00 LT, ALLEN ROAD
STA. 87+00 TO STA. 91+00 RT, ALLEN ROAD
STA. 97+71 TO STA. 106+00 RT, ALLEN ROAD

FILE NAME: W:\P\projects\2013\130149 - Allen Rd\PH1\Needs\Civil\Ugn\Sht\TYP_05.dgn

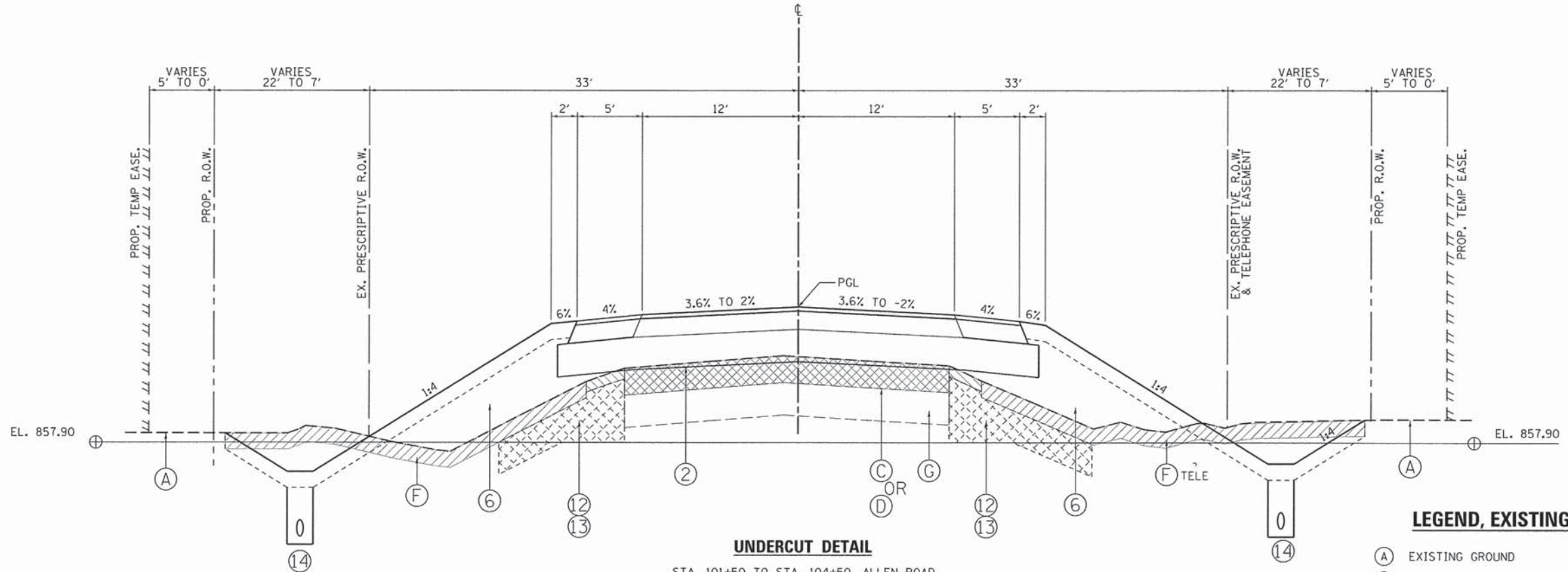
WILLS BURKE KELSEY ASSOCIATES LTD.
110 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET NO. 5 OF 7 SHEETS
STA.	TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	10
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



UNDERCUT DETAIL

STA. 101+50 TO STA. 104+50, ALLEN ROAD

ESTIMATED LOCATIONS 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, 6.0"-8.0" (7.0" AVG.) - TO BE REMOVED (44000100)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - TO BE MILLED (X0326440)
- (D) EXISTING HOT-MIX ASPHALT PAVEMENT, 6.0"-8.0" (7.0" AVG.) - PAVEMENT BREAKING (Z0004638)
- (E) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX. - 20201200)
- (F) EXISTING TOPSOIL, 5"-10" (8.1" AVG.) - TO BE REMOVED (20201200)
- (G) 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, 8-1/4" (48203030)
2" SURFACE COURSE, MIX "D", N50
6-1/4" HMA BASE COURSE, IL-19.0, N50
- (4) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (5) SEEDING W/EROSION CONTROL BLANKET
- (6) STRUCTURAL EMBANKMENT
(TO BE PAID AS EARTH EXCAVATION - 20200100
AND BALANCE AS FURNISHED EXCAVATION - 20400800)
- (7) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (8) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9' POSTS (63000003)
- (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)
- (14) PIPE UNDERDRAIN WITH FILTER SOCK, 6" (SPECIAL) (60108200)

FILE NAME = W:\P\projects\2013\130146 All\enhd\PH\Acadd\Civil\Ogn\Sh\TYP_06.dgn

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

USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

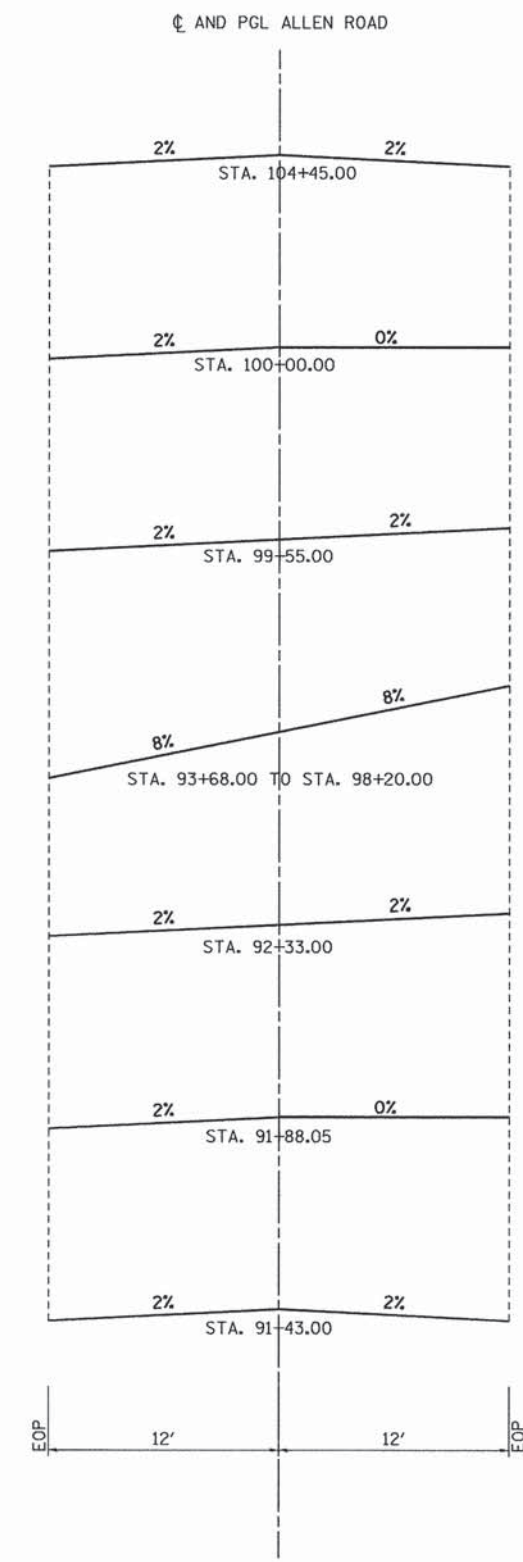
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
C.H. RTE.	SECTION
45	11-00132-01-BR
SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.	

COUNTY	TOTAL SHEETS	SHEET NO.
KANE	84	11
CONTRACT NO. 61B90		
ILLINOIS FED. AID PROJECT		

SUPERELEVATION TABLE (ALLEN ROAD)

	STATION	SHOULDER LEFT			WESTBOUND LANES				CENTERLINE ELEVATION	EASTBOUND LANES (RIGHT)				SHOULDER (RIGHT)		
		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\2015\120148 AllenRoad\1\Road\Civil\Draw\Sht\TYP_07.dgn



USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1/5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/25/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/25/15	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	12
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

EARTHWORK SUMMARY SCHEDULE

LOCATION	EARTHWORK				TOPSOIL			SUBGRADE IMPROVEMENT		
	20200100		20400800	20300100	21101505			20201200	30300001	21001000
	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	1770.0	5525.0	4020.0	315.0	2300.0	1395.0	905.0	375.0	375.0	1125.0
R.E. DESCRETION								200.0	200.0	600.0
SUB-TOTAL	1770.0	5525.0	4020.0	315.0	2300.0	1395.0	+910.0	575.0	575.0	1725.0
TOTAL	1770.0		4020.0	315.0	2300.0			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.

THE AVERAGE THICKNESS OF EIGHT POINT ONE (8.1) 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.

EARTH EXCAVATION WILL ALSO INCLUDE ALL AGGREGATE BASE COURSES, AGGREGATE SUB-BASE'S AND AGGREGATE SURFACES AND SHOULDERS.

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.

FILE NAME = W:\Projects\2013\130140 AllenRd\H\Road\Cvt1\Draw\Sht\SCHEDULE.B1.dgn



USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
	DRAWN - NDP/RD	REVISED -
PLOT SCALE = 1:1	CHECKED - DPB/SBP	REVISED -
PLOT DATE = 8/5/2015	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.	C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				45	11-00132-01-BR	KANE	84	13
CONTRACT NO. 61B90							ILLINOIS FED. AID PROJECT	

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	5.6	2.4		2.2	1.6	0.6	2.1	0.9	0.9				
86+00.00	7.7	4.3	11.8	3.7		7.5	4.8	2.8	9.7	3.4	4.9				
86+50.00	9.6	4.3	10.5	1.3		16.0	8.0	8.1	20.7	4.7	12.9				
87+00.00	15.1	7.3	38.7	5.6		22.9	10.7	12.2	45.5	6.4	32.3				
87+50.00	16.7	8.5	37.4	5.2		29.4	14.6	14.8	70.5	10.0	49.9				
88+00.00	19.2	10.2	34.1	6.4		33.2	17.4	15.8	66.2	10.8	45.5				
88+50.00	23.3	13.5	24.5	12.5		39.4	22.0	17.4	54.2	17.5	28.6				
89+00.00	21.6	12.4	9.8	17.7		41.7	24.0	17.7	31.7	27.9	-0.9				
89+50.00	22.4	12.9	14.2	25.4		40.8	23.5	17.3	22.2	39.9	-21.0				
90+00.00	24.1	13.9	4.2	41.3		43.0	24.9	18.2	17.1	61.8	-47.3				
90+50.00	26.2	15.6	2.7	65.3		46.6	27.4	19.3	6.4	98.8	-93.3				
91+00.00	25.3	15.6	3.1	86.1		47.8	28.9	18.9	5.3	140.2	-135.7				
91+50.00	27.2	15.8	2.6	107.1		48.7	29.0	19.7	5.3	178.9	-174.4				
92+00.00	19.2	10.8	3.1	97.4		42.9	24.6	18.3	5.3	189.4	-184.8				
92+50.00	19.0	8.5	3.0	97.7		35.3	17.9	17.5	5.7	180.6	-175.8				
93+00.00	18.9	9.4	3.4	105.5		35.1	16.6	18.6	5.9	188.2	-183.2				
93+50.00	20.7	10.3	2.7	115.0		36.8	18.3	18.4	5.7	204.2	-199.3				
94+00.00	21.1	10.7	3.0	122.9		38.7	19.5	19.3	5.3	220.3	-215.7				
94+50.00	21.2	10.8	3.2	126.6		39.1	19.9	19.2	5.8	231.0	-226.1				
95+00.00	20.9	10.7	3.4	125.8		38.9	19.9	19.0	6.1	233.7	-228.5				
95+50.00	21.4	10.8	3.1	122.2		39.1	19.8	19.3	6.0	229.6	-224.5				
96+00.00	23.4	10.8	1.7	107.9		41.5	20.0	21.5	4.5	213.1	-209.3				
96+44.47	20.6	6.8	0.6	98.2		36.2	14.5	21.7	1.9	169.8	-168.2				
96+50.00	17.6	6.4	0.5	80.7		3.9	1.4	2.6	0.1	18.3	-18.2				
96+56.21	14.4	6.0	0.5	66.1		3.7	1.4	2.3	0.1	16.9	-16.8				
96+77.47	63.0	20.9	51.7	155.3		30.5	10.6	19.9	20.6	87.2	-69.7				
96+97.10	31.1	23.4	52.8	87.4		34.2	16.1	18.1	38.0	88.2	-55.9				
97+00.00	30.9	23.4	51.8	85.9		3.3	2.5	0.8	5.6	9.3	-4.5				
97+27.39	42.3	23.8	43.4	134.1		37.1	23.9	13.2	48.3	111.6	-70.6				
97+50.00	47.5	29.5	44.1	122.2		37.6	22.3	15.2	36.6	107.3	-76.2				
98+00.00	52.6	35.0	55.6	131.5		92.7	59.7	32.9	92.3	234.9	-156.4				
98+50.00	51.1	34.1	55.0	139.7		96.0	64.0	32.0	102.5	251.1	-164.0				
99+00.00	48.1	31.8	50.3	127.4		91.9	61.0	30.9	97.5	247.4	-164.5				
99+50.00	51.7	37.3	51.9	117.1		92.5	64.0	28.5	94.7	226.4	-146.0				
100+00.00	50.8	36.4	55.1	101.1		94.9	68.3	26.7	99.1	202.0	-117.8				
100+50.00	49.4	35.0	48.4	94.3		92.8	66.1	26.7	95.8	180.9	-99.5				
101+00.00	52.7	18.6	32.7	93.6		94.6	49.6	44.9	75.1	174.0	-110.1				
101+50.00	49.0	33.9	45.9	82.5	22.3	94.2	48.6	45.6	72.8	163.1	-101.1		20.6	20.6	61.8
102+00.00	45.7	31.5	35.8	72.4	22.7	87.7	60.5	27.2	75.7	143.5	-79.2		41.6	41.6	124.7
102+50.00	38.7	26.6	16.7	74.1	23.4	78.2	53.8	24.4	48.6	135.7	-94.4		42.7	42.7	128.0
103+00.00	35.0	24.3	13.1	56.3	27.0	68.2	47.1	21.1	27.6	120.8	-97.3		46.7	46.7	140.2
103+50.00	34.0	22.9	12.3	42.7	30.4	63.8	43.8	20.1	23.6	91.7	-71.7		53.2	53.2	159.6
104+00.00	31.8	21.6	20.6	33.0	37.0	60.9	41.2	19.7	30.5	70.1	-44.2		62.4	62.4	187.1
104+50.00	30.1	20.4	29.1	26.6	39.7	57.3	38.8	18.4	46.0	55.1	-16.0		71.0	71.0	213.1
105+00.00	28.6	19.3	33.6	21.1		54.4	36.7	17.7	58.0	44.2	5.2		36.8	36.8	110.4
105+50.00	26.9	17.8	36.4	17.5		51.4	34.3	17.1	64.9	35.7	19.4				
106+00.00	25.1	16.4	37.1	15.2		48.2	31.6	16.6	68.1	30.2	27.7				
106+50.00						23.3	15.2	8.1	34.4	14.1	15.2				
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				
R.E. DESCRETION													200.0	200.0	600.0
SHRINKAGE FACTOR			15%			TOTAL	2,295.9	1,390.1	905.8	1,765.5	5,520.3	-4,019.6	311.5	575.0	1,724.9
						ADJ. TOTAL	2,300.0	1,395.0	910.0	1,770.0	5,525.0	-4,020.0	315.0	575.0	1,725.0

FILE NAME = W:\Projects\2013\130148 - AllamRdPhII\Road\Cvt1\Drawn\Sht\SCHEDULE.B2.dgn

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

USER NAME = bpottor-ff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/25/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/25/15	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	14
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

GUARDRAIL AND PAVEMENT MARKINGS SCHEDULE

LOCATION	63000001	63000003	63000025	63100167	78009004	78009008	78200410	78201000	X7810300
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER - DIRECT APPLIED	RECESSED REFLECTIVE PAVMENT MARKER
	(FOOT)	(FOOT)	(FOOT)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)	(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	49.0	51.0			125.0	75.0	1.0		7.0
93+50.00 - 94+00.00	49.0	51.4			100.0	100.0	2.0		8.0
94+00.00 - 94+50.00	49.0	51.4			100.0	100.0	1.0		5.0
94+50.00 - 95+00.00	49.0	51.4			100.0	100.0	1.0		7.0
95+00.00 - 95+50.00	49.0	51.4			100.0	100.0	2.0		5.0
95+50.00 - 96+00.00	49.0	51.4			100.0	100.0	2.0		8.0
96+00.00 - 96+50.00	49.0	51.4			100.0	100.0	1.0		5.0
96+50.00 - 97+00.00	17.4	51.4	33.0		100.0	100.0	1.0		6.0
97+00.00 - 97+50.00	49.0	51.4			100.0	100.0	2.0		6.0
97+50.00 - 98+00.00	49.0	51.4			100.0	100.0	1.0		8.0
98+00.00 - 98+50.00	49.0	50.7			100.0	100.0	2.0		3.0
98+50.00 - 99+00.00	36.3	48.3			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	1275.0	612.5	33.0	3.0	6568.5	1126.0	22.0	3.0	104.0
ADJUSTED TOTAL	1,275.0	612.5	33.0	3.0	6,569.0	1,126.0	22.0	3.0	104.0

FILE NAME = W:\P\projects\2013\130146 All\enphd\I\Acadd\Civil\Gm\Sh\SCHEMULE_03.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. <small>116 West Main Street, Suite 201 St. Charles, Illinois 60174</small>	USER NAME = nporris	DESIGNED - SBP/RD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1:1	CHECKED - DPB/SBP	REVISED -		SCALE:	SHEET NO. 3	OF 6 SHEETS	STA.	TO STA.	45	11-00132-01-BR	KANE	84	15
	PLOT DATE = 8/3/2015	DATE = 8/10/15	REVISED -						CONTRACT NO. 61B90			ILLINOIS FED. AID PROJECT		

REMOVAL SCHEDULE

LOCATION	44000100	50105220	63200310	78300200	X0326440	Z0004638
	PAVEMENT REMOVAL	PIPE CULVERT REMOVAL	GUARDRAIL REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	PAVEMENT BREAKING
	(SQ YD)	(FOOT)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)
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				139.58	
87+00.00 - 87+50.00				2.00	140.19	
87+50.00 - 88+00.00				2.00	139.43	
88+00.00 - 88+50.00				4.00	139.96	
88+50.00 - 89+00.00				2.00	141.48	
89+00.00 - 89+50.00				2.00	141.32	
89+50.00 - 90+00.00				2.00	140.85	
90+00.00 - 90+50.00				4.00	140.39	
90+50.00 - 91+00.00				2.00	139.52	
91+00.00 - 91+50.00				2.00		139.66
91+50.00 - 92+00.00				2.00		140.21
92+00.00 - 92+50.00				4.00		139.94
92+50.00 - 93+00.00				2.00		141.53
93+00.00 - 93+50.00				2.00		142.07
93+50.00 - 94+00.00				4.00		140.26
94+00.00 - 94+50.00			15.53	8.00		138.93
94+50.00 - 95+00.00			55.30	6.00		138.17
95+00.00 - 95+50.00			99.85	6.00		137.19
95+50.00 - 96+00.00			100.21	5.00		139.14
96+00.00 - 96+50.00			100.30	9.00		68.92
96+50.00 - 97+00.00			100.04	5.00		129.67
97+00.00 - 97+50.00			100.03	6.00		141.70
97+50.00 - 98+00.00			99.93	5.00		139.55
98+00.00 - 98+50.00			99.60	8.00		140.30
98+50.00 - 99+00.00			98.05	3.00		141.16
99+00.00 - 99+50.00			43.20			141.70
99+50.00 - 100+00.00						142.02
100+00.00 - 100+50.00						141.13
100+50.00 - 101+00.00		10.00				139.78
101+00.00 - 101+50.00		21.00				139.32
101+50.00 - 102+00.00						139.11
102+00.00 - 102+50.00					138.18	
102+50.00 - 103+00.00					138.53	
103+00.00 - 103+50.00					138.60	
103+50.00 - 104+00.00					149.06	
104+00.00 - 104+50.00					137.88	
104+50.00 - 105+00.00					138.11	
105+00.00 - 105+50.00					138.06	
105+50.00 - 106+00.00						
106+00.00 - 106+50.00						
TOTAL	7.23	31.00	953.56	97.00	2,241.14	3,001.46
ADJUSTED TOTAL	8.0	31.0	954.0	97.0	2241.0	3002.0

PAVEMENT SCHEDULE

LOCATION	30300112	31101200	40600275	40701846	48203030	Z0004538
	AGGREGATE SUBGRADE IMPROVEMENT 12"	SUBBASE GRANULAR MATERIAL, TYPE B 4"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"	HOT-MIX ASPHALT SHOULDERS, 8 1/4"	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"
	(SQ YD)	(SQ YD)	(POUND)	(SQ YD)	(SQ YD)	(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		590.54	136.00	68.82	
87+50.00 - 88+00.00	222.22		592.50	133.34	72.22	
88+00.00 - 88+50.00	222.22		592.50	133.34	72.22	
88+50.00 - 89+00.00	222.22		592.50	133.34	72.22	
89+00.00 - 89+50.00	222.22		592.50	133.34	72.22	
89+50.00 - 90+00.00	222.22		592.50	133.34	72.22	
90+00.00 - 90+50.00	222.22		592.50	133.34	72.22	
90+50.00 - 91+00.00	222.22		592.50	133.34	72.22	
91+00.00 - 91+50.00	205.56		592.61	133.34	72.33	
91+50.00 - 92+00.00	205.56		595.00	133.34	77.78	
92+00.00 - 92+50.00	218.32		612.16	133.34	84.00	
92+50.00 - 93+00.00	244.44		647.50	133.34	97.22	
93+00.00 - 93+50.00	242.62		640.58	133.34	95.31	
93+50.00 - 94+00.00	242.46		639.12	133.34	94.59	
94+00.00 - 94+50.00	242.98		639.74	133.34	94.26	
94+50.00 - 95+00.00	243.12		640.10	133.34	94.26	
95+00.00 - 95+50.00	243.12		639.90	133.34	94.26	
95+50.00 - 96+00.00	242.98		639.74	133.34	94.26	
96+00.00 - 96+50.00	243.06		646.81	133.34	93.11	
96+50.00 - 97+00.00	243.06		637.50	133.34	88.89	
97+00.00 - 97+50.00	243.06		637.50	133.34	88.89	
97+50.00 - 98+00.00	243.06		637.50	133.34	88.89	
98+00.00 - 98+50.00	241.56		638.77	133.11	89.64	
99+00.00 - 99+50.00	245.86		657.21	133.34	96.05	
99+50.00 - 100+00.00	205.98		549.55	133.34	56.41	
100+00.00 - 100+50.00	205.56		547.50	133.34	55.56	
100+50.00 - 101+00.00	205.56		543.63	133.34	46.94	
101+00.00 - 101+50.00	205.56		541.13	133.34	41.39	
101+50.00 - 102+00.00	205.56		547.50	133.34	55.56	
102+00.00 - 102+50.00	205.56		547.50	133.34	55.56	
102+50.00 - 103+00.00	205.56		547.50	133.34	55.56	
103+00.00 - 103+50.00	205.56		547.50	133.34	55.56	
103+50.00 - 104+00.00	205.56		547.50	133.34	55.56	
104+00.00 - 104+50.00	205.56		547.50	133.34	55.56	
104+50.00 - 105+00.00	205.56		547.50	133.34	55.56	
105+00.00 - 105+50.00	205.56		547.50	133.34	55.56	
105+50.00 - 106+00.00	201.96		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	166.18	23424.71	5074.12	2915.07	151.67
ADJUSTED TOTAL	8615.0	167.0	23425.0	5075.0	2916.0	152.0

FILE NAME = W:\Projects\2013\130140 AllenRdPh1\Needs\Civil\Drawn\Sht\SCHEDULE.B4.dgn



USER NAME = nparr15	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/5/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	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	16
CONTRACT NO.61B90				
ILLINOIS FED. AID PROJECT				

LANDSCAPING SCHEDULE

EROSION CONTROL SCHEDULE

LOCATION	20101400	20101600	25000210	25000310	25000320	25100900	X2500500
	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SEEDING, CLASS 2A	SEEDING, CLASS 4	SEEDING, CLASS 5	TURF REINFORCEMENT MAT	INTERSEEDING, CLASS 4 (SPECIAL)
	(POUND)	(POUND)	(ACRE)	(ACRE)	(ACRE)	SQ YD	(ACRE)
MAINLINE							
85+50.00 - 86+00.00				0.006	0.006		0.007
86+00.00 - 86+50.00	1.242	1.242	0.014	0.011	0.011		0.022
86+50.00 - 87+00.00	2.418	2.418	0.027	0.007	0.007		0.016
87+00.00 - 87+50.00	2.286	2.286	0.025	0.004	0.004		0.016
87+50.00 - 88+00.00	2.273	2.273	0.025	0.007	0.007		0.009
88+00.00 - 88+50.00	2.273	2.273	0.025	0.011	0.011		0.019
88+50.00 - 89+00.00	2.273	2.273	0.025	0.011	0.011		0.004
89+00.00 - 89+50.00	2.273	2.273	0.025	0.009	0.009		0.008
89+50.00 - 90+00.00	2.273	2.273	0.025	0.010	0.010		0.006
90+00.00 - 90+50.00	2.779	2.779	0.031	0.011	0.011		
90+50.00 - 91+00.00	2.789	2.789	0.031	0.013	0.013		0.011
91+00.00 - 91+50.00	2.789	2.789	0.031	0.014	0.014		0.010
91+50.00 - 92+00.00	2.789	2.789	0.031	0.007	0.007		0.003
92+00.00 - 92+50.00	2.198	2.198	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	8.7	
96+50.00 - 97+00.00				0.060	0.060	85.8	
97+00.00 - 97+50.00				0.085	0.085	75.4	
97+50.00 - 98+00.00				0.141	0.141	16.3	
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	0.694	0.694	0.008	0.080	0.080		
99+50.00 - 100+00.00	8.661	8.661	0.096				
100+00.00 - 100+50.00	8.677	8.677	0.096				
100+50.00 - 101+00.00	7.706	7.706	0.086				
101+00.00 - 101+50.00	6.839	6.839	0.076				
101+50.00 - 102+00.00	8.171	8.171	0.091				
102+00.00 - 102+50.00	7.136	7.136	0.079				
102+50.00 - 103+00.00	6.101	6.101	0.068				
103+00.00 - 103+50.00	5.579	5.579	0.062				
103+50.00 - 104+00.00	5.568	5.568	0.062				
104+00.00 - 104+50.00	5.052	5.052	0.056				
104+50.00 - 105+00.00	4.545	4.545	0.051				
105+00.00 - 105+50.00	4.545	4.545	0.051				
105+50.00 - 106+00.00	4.586	4.586	0.051				
106+00.00 - 106+50.00	4.946	4.946	0.055				
MAINTENANCE							
TOTAL	119.461	119.461	1.327	0.965	0.965	186.2	0.178
ADJUSTED TOTAL	120.0	120.0	1.5	1.0	1.0	187.0	0.25

LOCATION	25100125	25100630	28000250	28000305	28000315	28000400	28000500	28100105	28100109	28200200
	MULCH, METHOD 3	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	AGGREGATE DITCH CHECK	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A5	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				
96+50.00 - 97+00.00	0.060	289.55	17.95			103.3		6.64	666.00	673.00
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

FILE NAME = \\A:\Projects\2013\130148 AllowPdrPHI\road\Civil\Drawn\Sht\Sched\Sched.DWG



USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/30/2015	CHECKED - DPB/SBP	REVISED -
	DATE = 9/1/15	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	17
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

UNDERDRAIN SCHEDULE

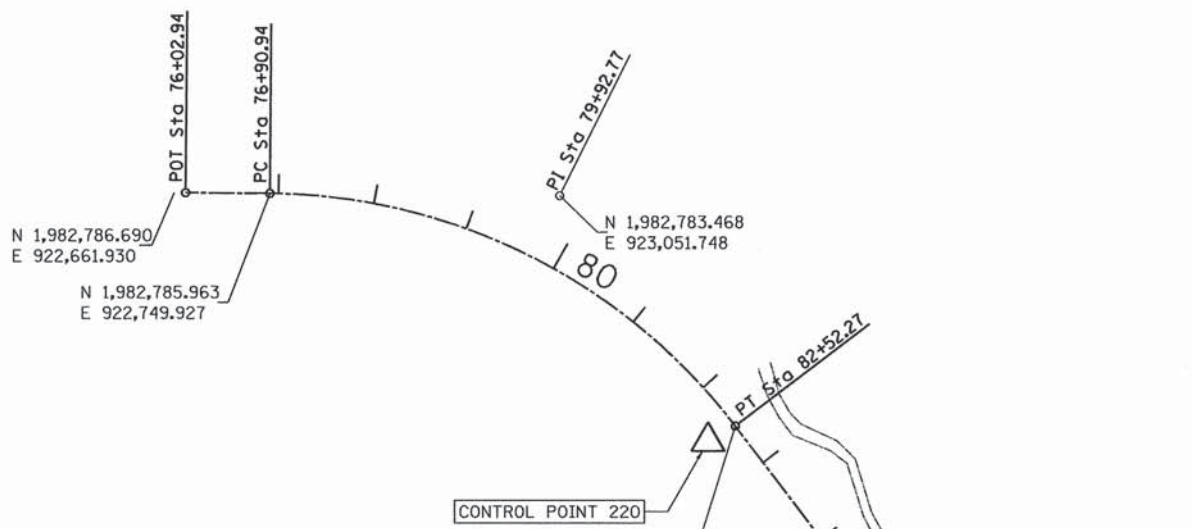
SCHEDULE OF QUANTITIES

LOCATION	20900110	60107600	60108200
	POROUS GRANULAR BACKFILL	PIPE UNDERDRAIN 4"	PIPE UNDERDRAIN 6" (SPECIAL)
	(CU YD)	(FOOT)	(FOOT)
MAINLINE			
85+50.00 - 86+00.00			
86+00.00 - 86+50.00			
86+50.00 - 87+00.00			
87+00.00 - 87+50.00	6.4		52.0
87+50.00 - 88+00.00	6.4		52.0
88+00.00 - 88+50.00	6.1		50.0
88+50.00 - 89+00.00	6.1		50.0
89+00.00 - 89+50.00	6.1		50.0
89+50.00 - 90+00.00	6.1		50.0
90+00.00 - 90+50.00	6.1		50.0
90+50.00 - 91+00.00	6.1		50.0
91+00.00 - 91+50.00		22.0	
91+50.00 - 92+00.00		50.0	
92+00.00 - 92+50.00		50.0	
92+50.00 - 93+00.00		50.0	
93+00.00 - 93+50.00		50.0	
93+50.00 - 94+00.00		50.0	
94+00.00 - 94+50.00		50.0	
94+50.00 - 95+00.00		50.0	
95+00.00 - 95+50.00		50.0	
95+50.00 - 96+00.00		50.0	
96+00.00 - 96+50.00		50.0	
96+50.00 - 97+00.00		42.0	
97+00.00 - 97+50.00			
97+50.00 - 98+00.00	4.6		38.0
98+00.00 - 98+50.00	6.1		50.0
98+50.00 - 99+00.00	6.1		50.0
99+00.00 - 99+50.00	6.1		50.0
99+50.00 - 100+00.00	6.1		50.0
100+00.00 - 100+50.00	6.1		50.0
100+50.00 - 101+00.00	6.1		50.0
101+00.00 - 101+50.00	8.4		69.0
101+50.00 - 102+00.00	13.0		106.0
102+00.00 - 102+50.00	12.8		105.0
102+50.00 - 103+00.00	12.2		100.0
103+00.00 - 103+50.00	12.2		100.0
103+50.00 - 104+00.00	12.2		100.0
104+00.00 - 104+50.00	12.2		100.0
104+50.00 - 105+00.00	12.2		100.0
105+00.00 - 105+50.00	12.2		100.0
105+50.00 - 106+00.00	12.2		100.0
106+00.00 - 106+50.00			
TOTAL	210.47	564.00	1,722.00
ADJUSTED TOTAL	211.0	564.0	1722.0

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	O/S	O/S	LENGTH (FT)	COMMENTS	
5.3	87+50.00	21' LT	19' RT	40.0	UNDERDRAIN OUTLET	
3.8	100+88.0 TO 101+22.0	42.5' LT	41.3' LT	34.0	FIELD ENTRANCE	
27.1	102+00.00	19' LT	19' RT	38.0	UNDERDRAIN OUTLET	
30.9		TOTAL				
54213657 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"						
EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS		
1	87+50.00	39.6		WITH GRATE - TILE OUTLET		
1		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				
542A0217 PIPE CULVERTS, CLASS A, TYPE 1 12"						
LENGTH (FT)	LOCATION STATION	STATION	O/S	O/S	COMMENTS	
56.0	87+50.00		34.6' LT	22.3' RT	UNDERDRAIN OUTLET PIPE	
66.0	102+00.00		34.6' LT	22.3' RT	UNDERDRAIN CROSSING PIPE	
122.0		TOTAL				
542A0223 PIPE CULVERTS, CLASS A, TYPE 1 18"						
LENGTH (FT)	LOCATION STATION	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	97+69.40		71.6	UNDERDRAIN OUTLET		
2		TOTAL				
60100945 PIPE DRAINS 12"						
FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS		
75	VARIES			R.E. DESCRETION FOR TILE REPAIR		
75		TOTAL				
60100955 PIPE DRAINS 15"						
FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS		
75	VARIES			R.E. DESCRETION FOR TILE REPAIR		
75		TOTAL				

60100965 PIPE DRAINS 18"					
FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS	
75	VARIES			R.E. DESCRETION FOR TILE REPAIR	
75		TOTAL			
60235300 INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID					
EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS	
1	87+50.00	39.6		UNDERDRAIN JUNCTION/CLEANOUT	
1	91+45.00	38.0		UNDERDRAIN JUNCTION/CLEANOUT	
1	102+00.00		33.7	UNDERDRAIN JUNCTION/CLEANOUT	
1	102+00.00	33.8		UNDERDRAIN JUNCTION/CLEANOUT	
2	VARIES			R.E. DESCRETION FOR TILE REPAIR	
6		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+50.00	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			
X0324079 EXISTING FIELD TILE REMOVAL					
FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS	
100	VARIES			R.E. DESCRETION FOR TILE REPAIR	
100		TOTAL			
Z0070200 SURVEY MONUMENTS					
EACH	LOCATION	O/S	LT/RT	REMARKS	
1	101+45.00	52.00	LT	KANE COUNTY BENCHMARK	
1		TOTAL			

FILE NAME = W:\Projects\2015\2015-12\120149 AllenRd\PA1\cadd\Civil\Drawings\Sht\SCHEDULE.B6.dgn



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 (3-D NGS MONUMENT)

**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.

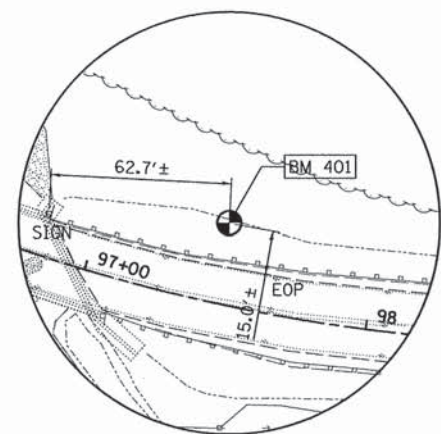
DATUM: NAVD88 (GEOID03 CONUS)

CURVE DATA - ALLEN ROAD

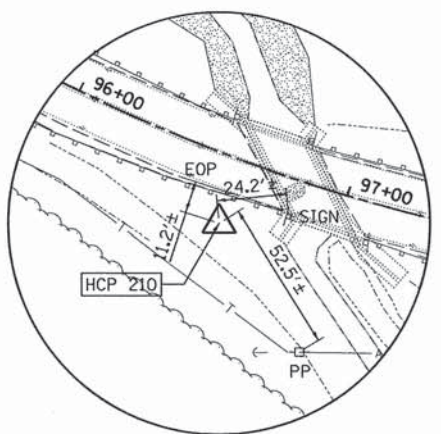
PROP. CURVE ACUR1 PI STA. = 79+92.77 Δ = 52° 11' 24" (RT) D = 9° 17' 51" R = 616.25' T = 301.83' L = 561.33' E = 69.95' P.C. STA = 76+90.94 P.T. STA = 82+52.27	PROP. CURVE ACUR2 PI STA. = 96+15.36 Δ = 52° 21' 00" (LT) D = 9° 17' 51" R = 616.25' T = 302.90' L = 563.06' E = 70.42' P.C. STA = 93+12.46 P.T. STA = 98+75.52
--	--

CURVE DATA - HAMPSHIRE CREEK

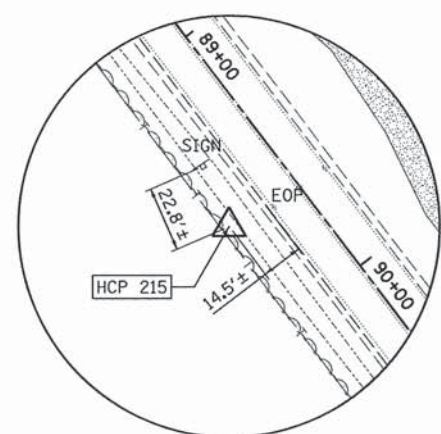
PROP. CURVE CHNL-1 PI STA. = 228+41.00 Δ = 31° 58' 44" (RT) D = 114° 35' 30" R = 50.00' T = 14.33' L = 27.91' E = 2.01' P.C. STA = 228+26.67 P.T. STA = 228+54.58	PROP. CURVE CHNL-2 PI STA. = 229+84.42 Δ = 19° 07' 21" (LT) D = 54° 34' 03" R = 105.00' T = 17.69' L = 35.04' E = 1.48' P.C. STA = 229+66.74 P.T. STA = 230+01.78
--	--



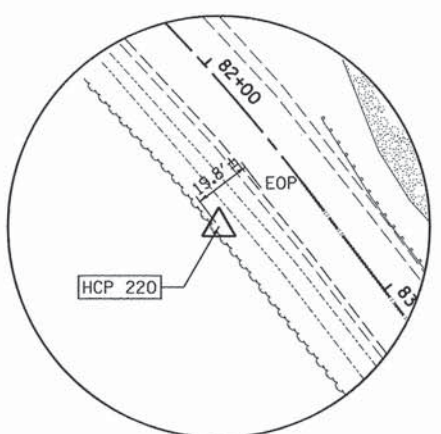
BENCH MARK POINT NO. 401



HORIZONTAL CONTROL POINT NO. 210



HORIZONTAL CONTROL POINT NO. 215



HORIZONTAL CONTROL POINT NO. 220

PROJECT BEGINS
STA. 85+70.00
N 1,982,290.865
E 923,427.505



N 1,981,700.540
E 923,877.805

N 1,981,458.051
E 924,364.405

N 1,981,459.709
E 924,061.511

PROJECT ENDS
STA. 106+50.00
N 1,981,453.812
E 925,138.874

FILE NAME = W:\Projects\2013\130148 - AllenRd\Plan\I\Road\Civil\Drawn\Sheet\ATB.dwg

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60114

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:100	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/5/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

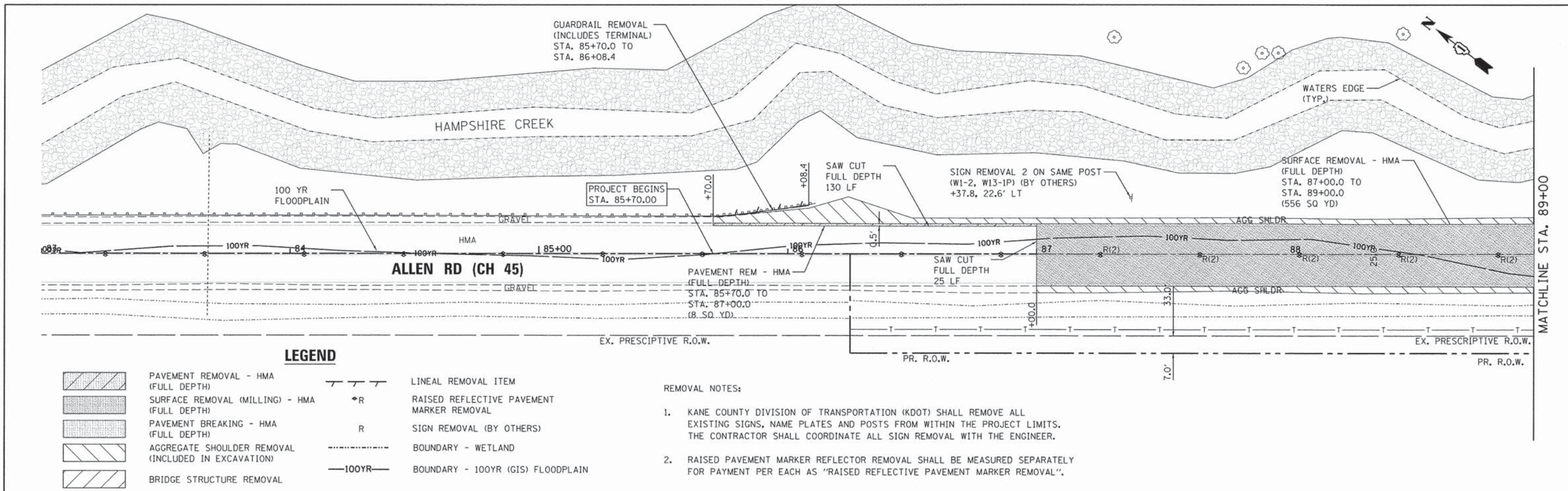
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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. 61B90
ILLINOIS FED. AID PROJECT

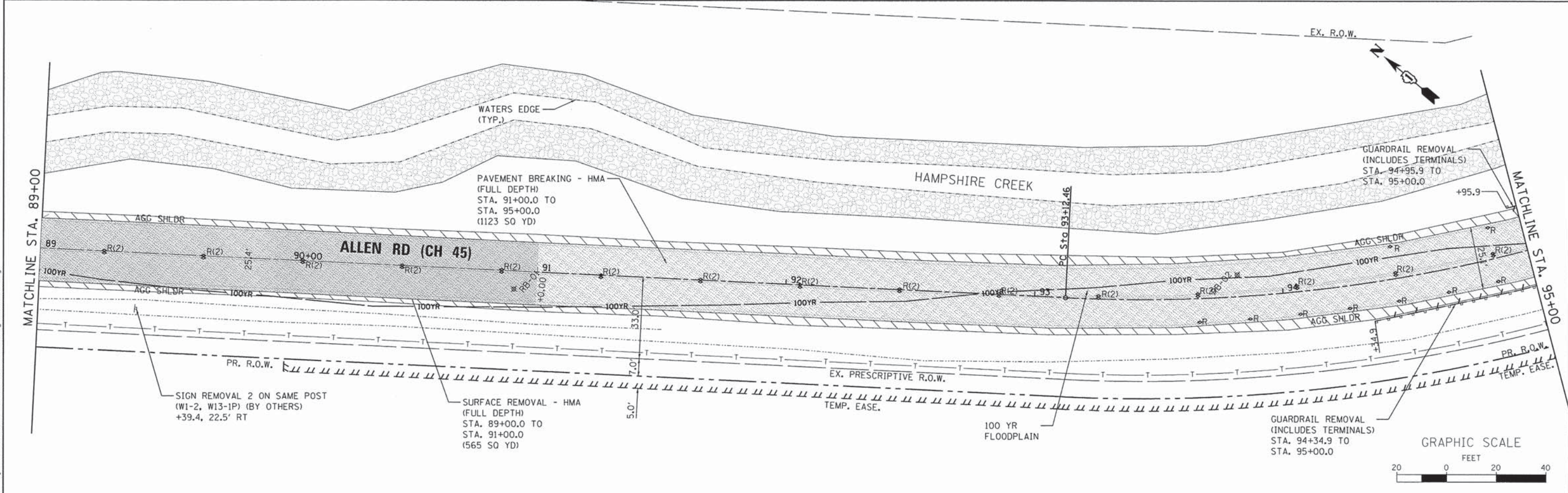


LEGEND

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

REMOVAL NOTES:

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



FILE NAME = W:\Projects\2015\130149 - AllenRdPH1\Needs\Civil\Drawn\Sheet\REM_81.dgn

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

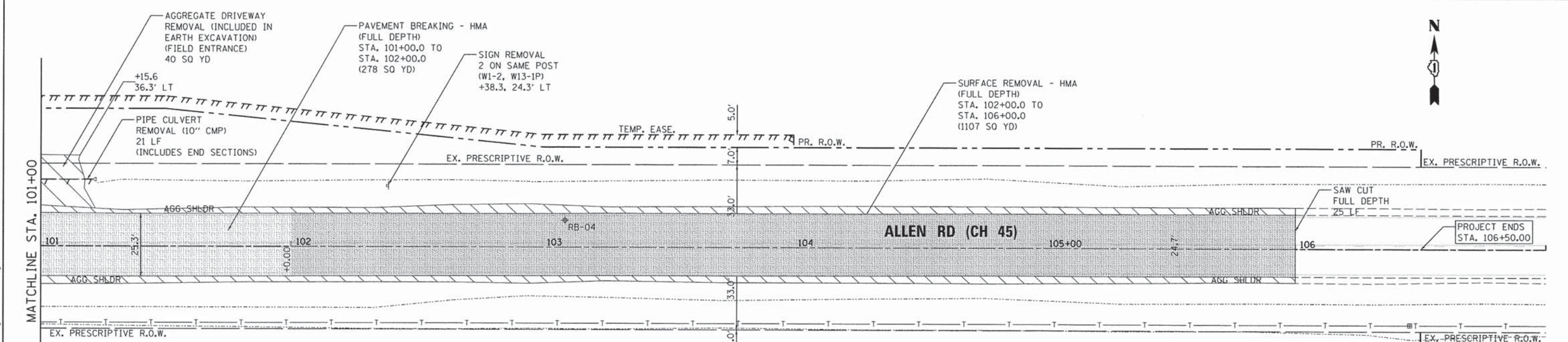
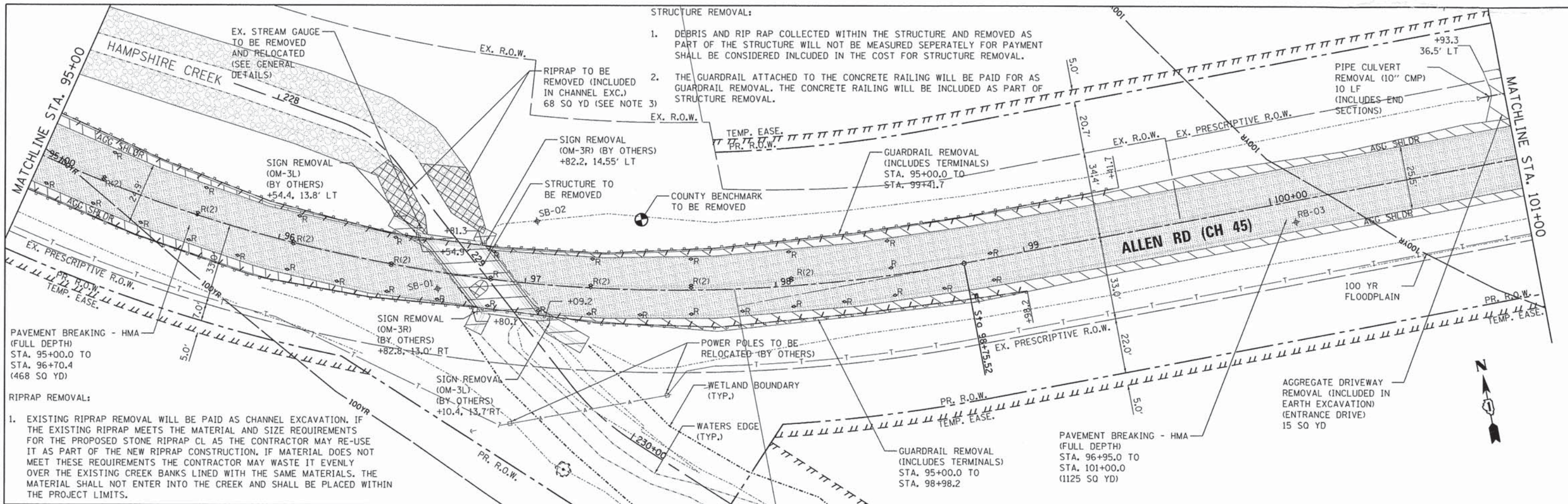
USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**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	20
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



REMOVAL NOTES:

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

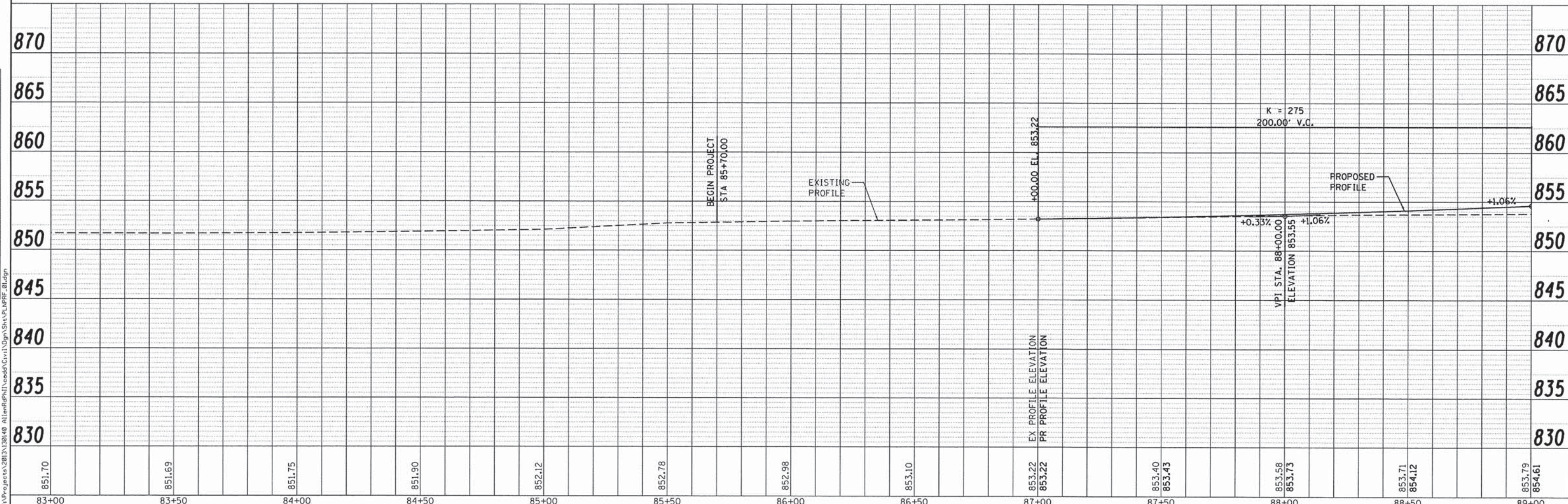
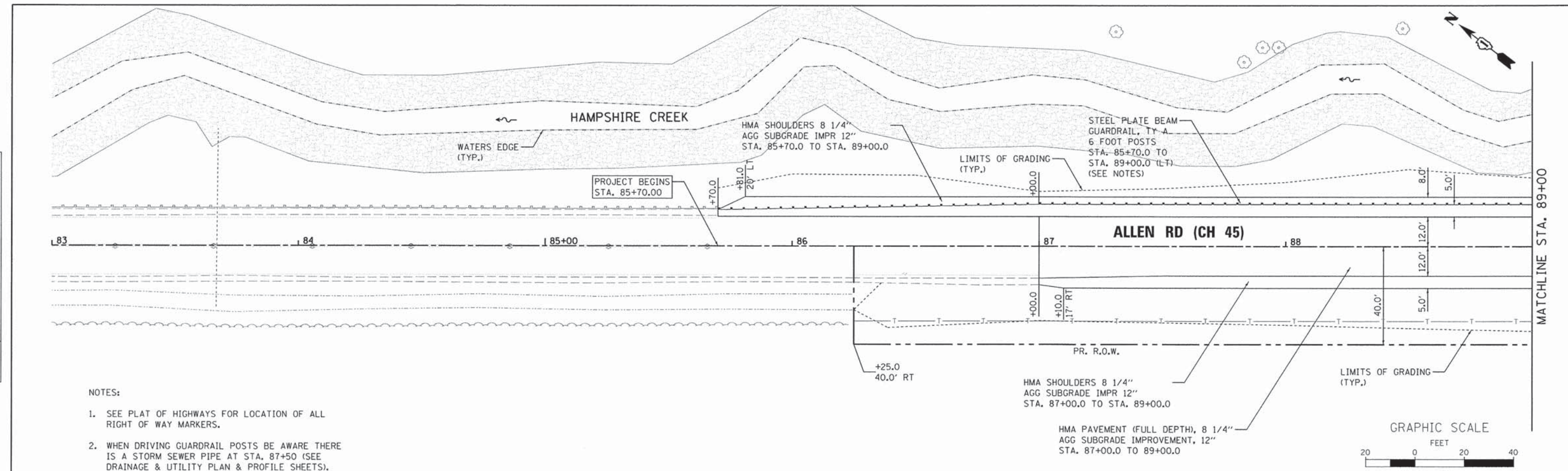
LEGEND

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

GRAPHIC SCALE
20 0 20 40 FEET

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	FILE NAME		
	NO.		



WILLIS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60114

USER NAME = nparr13	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

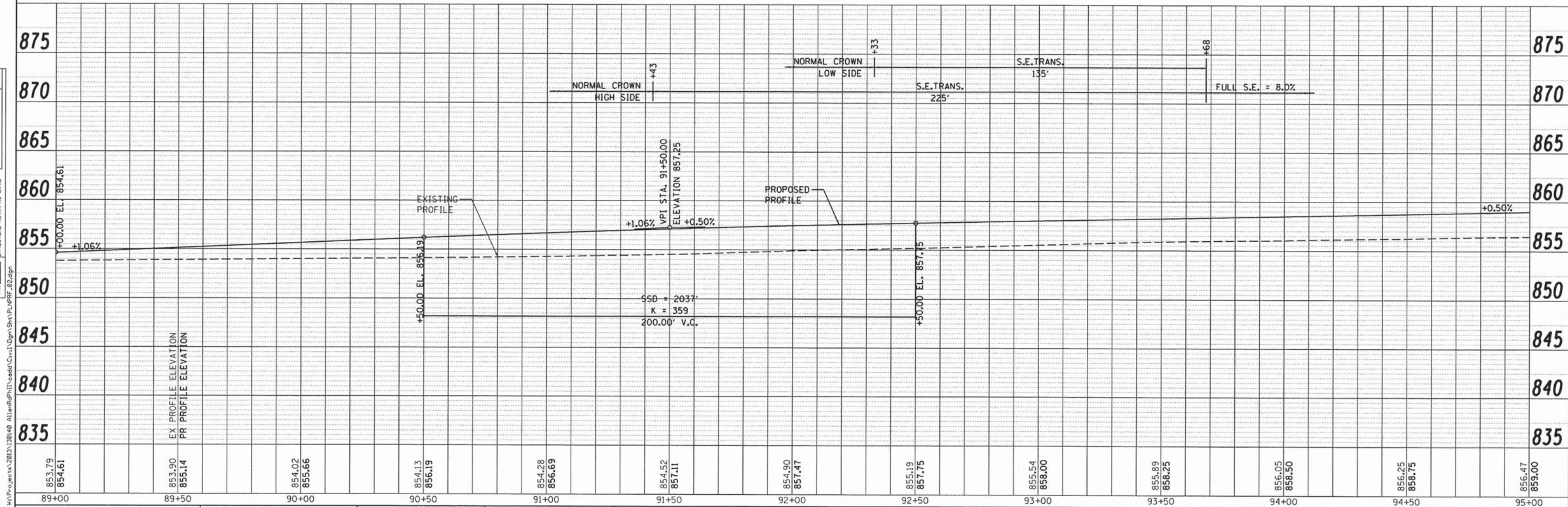
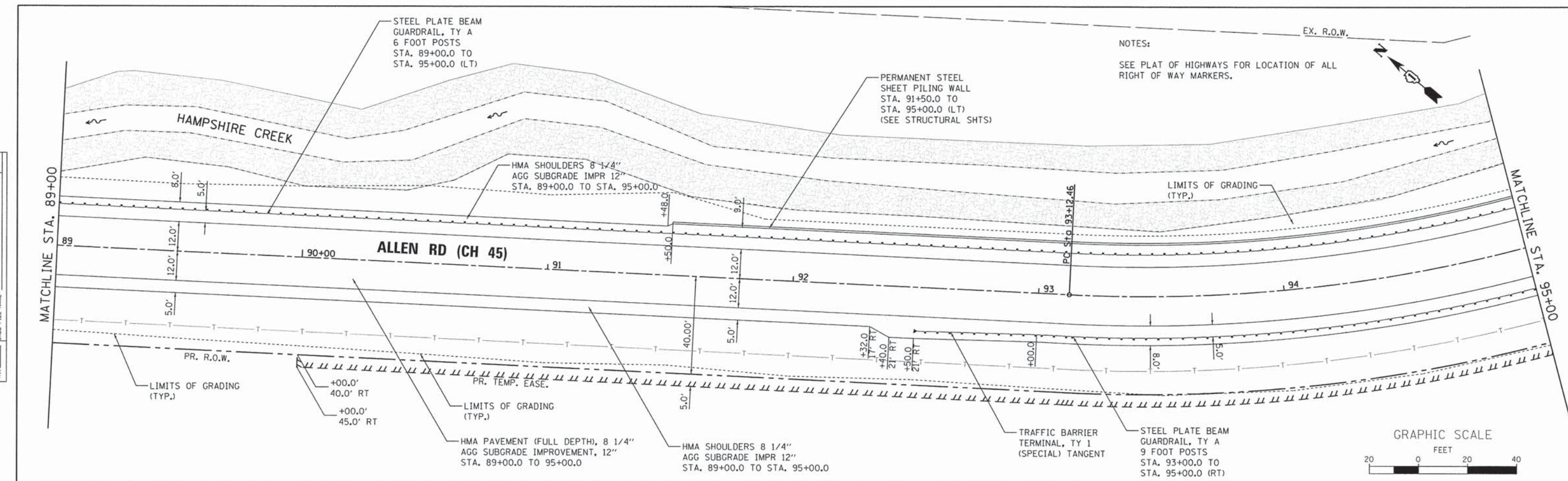
PLAN & PROFILE

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

C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84	SHEET NO. 22
CONTRACT NO. 61B90				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. _____		
	FILE NAME		



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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/23/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

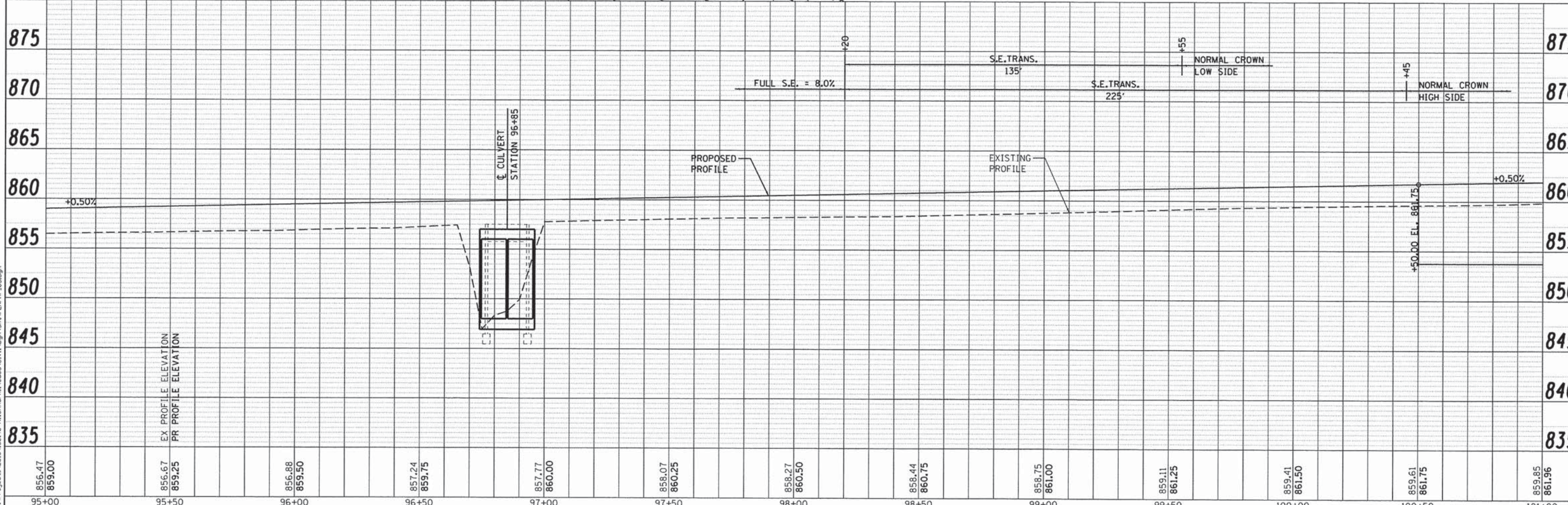
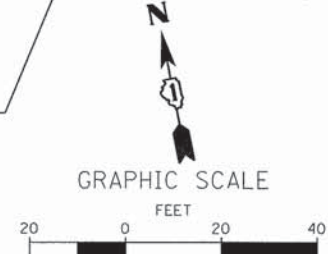
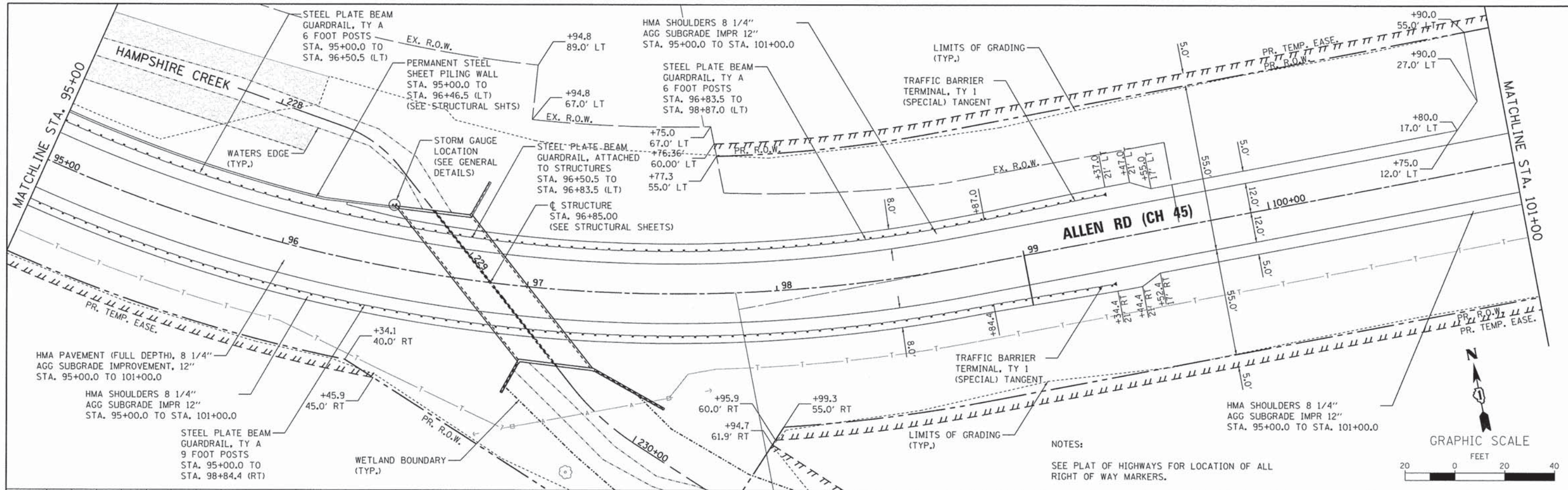
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84	SHEET NO. 23
CONTRACT NO. 61B90				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	NO. OF WAY CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	NO. OF WAY CHECKED		
	FILE NAME		



856.47 859.00	856.67 859.25	856.88 859.50	857.24 859.75	857.77 860.00	858.07 860.25	858.27 860.50	858.44 860.75	858.75 861.00	859.11 861.25	859.41 861.50	859.61 861.75	859.85 861.96
95+00	95+50	96+00	96+50	97+00	97+50	98+00	98+50	99+00	99+50	100+00	100+50	101+00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

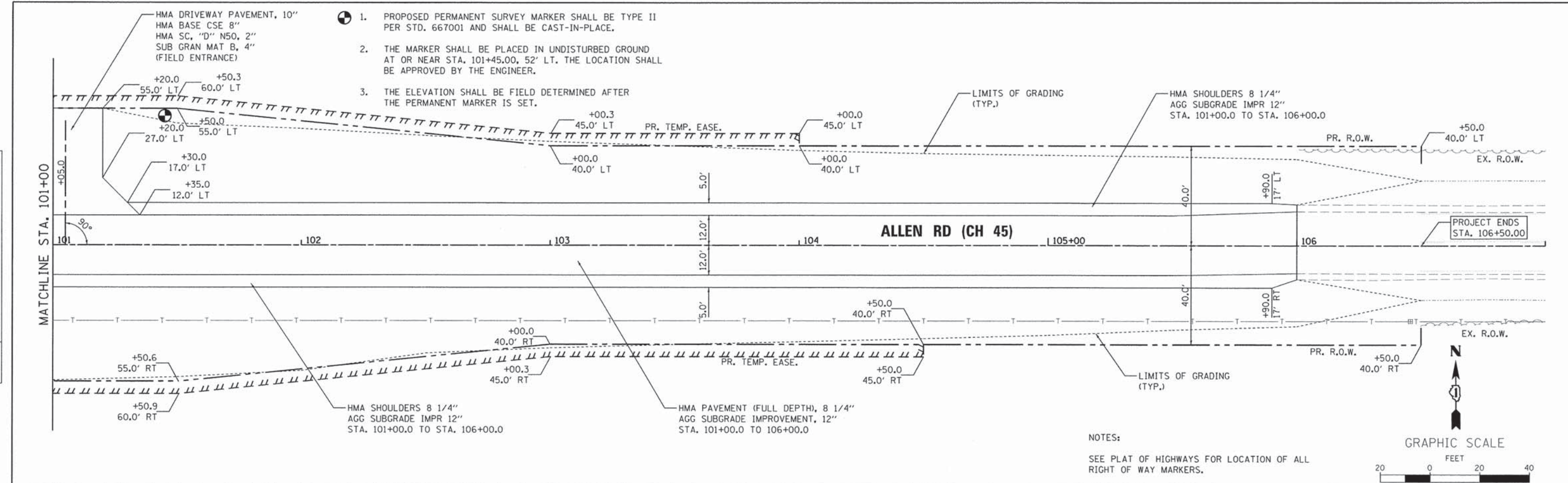
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

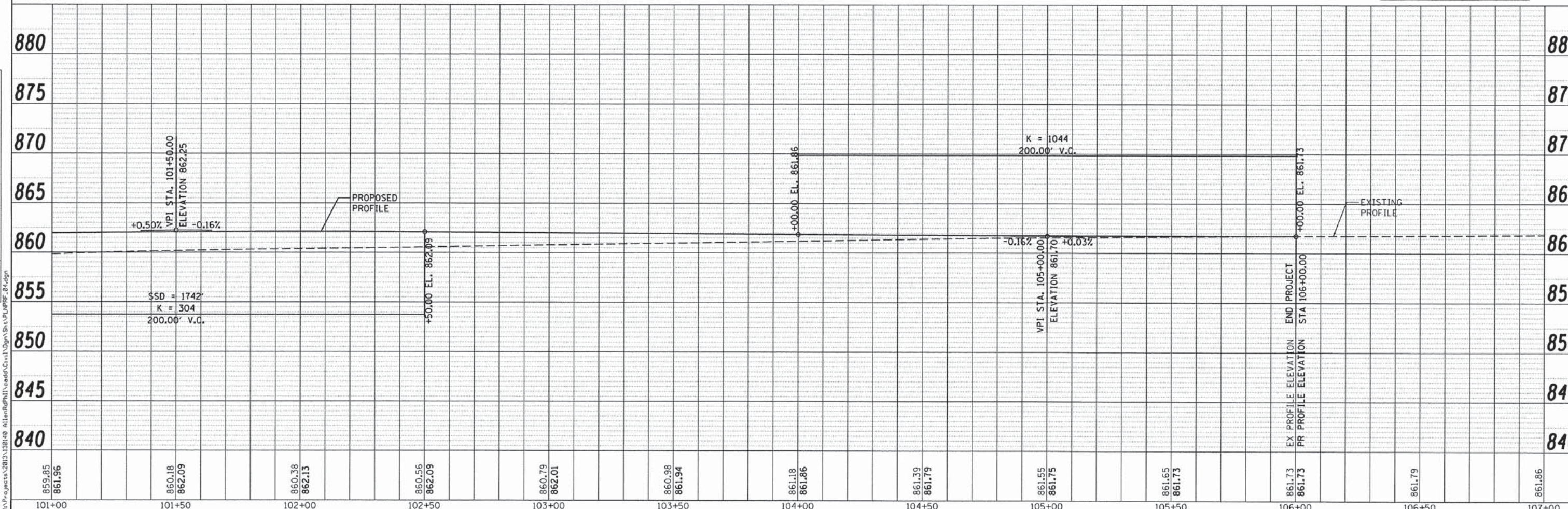
C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84	SHEET NO. 24
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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



859.85 861.96	860.18 862.09	860.38 862.13	860.56 862.09	860.79 862.01	860.98 861.94	861.18 861.86	861.39 861.79	861.55 861.75	861.65 861.73	861.73 861.73	861.79	861.86
101+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00	106+50	107+00

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

USER NAME = nparris
DESIGNED - SBP/RD
DRAWN - NDP/RD
CHECKED - DPB/SBP
DATE - 8/10/15

REVISED -
REVISED -
REVISED -
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	25
CONTRACT NO. 61B90				
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 SPECIFIED 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 SQUARE FEET 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 (0)-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)".

FILE NAME = W:\Projects\2013\130140 AllenRdPh1\veed\Civil\Drawings\MOU_DETOUTR_B1.dgn



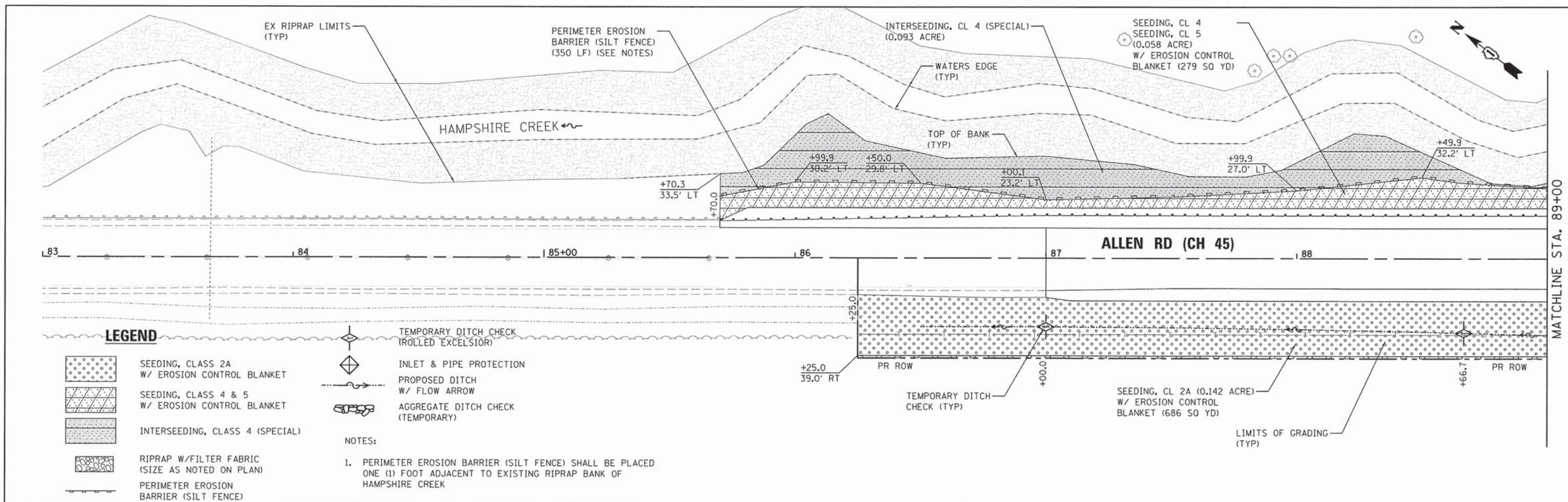
USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:500	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/31/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 9/1/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	26
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

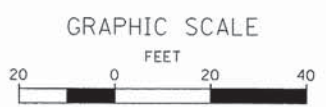
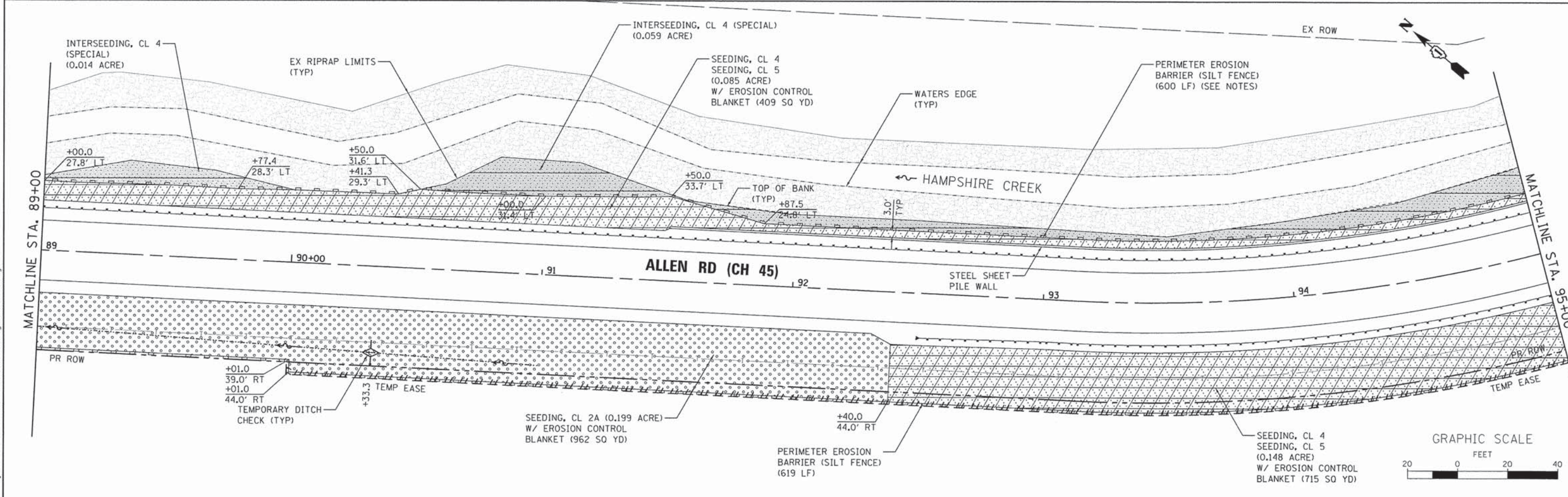


LEGEND

- SEEDING, CLASS 2A W/ EROSION CONTROL BLANKET
- SEEDING, CLASS 4 & 5 W/ EROSION CONTROL BLANKET
- INTERSEEDING, CLASS 4 (SPECIAL)
- RIPRAP W/FILTER FABRIC (SIZE AS NOTED ON PLAN)
- PERIMETER EROSION BARRIER (SILT FENCE)

- TEMPORARY DITCH CHECK (ROLLED EXCELSIOR)
- INLET & PIPE PROTECTION
- PROPOSED DITCH W/ FLOW ARROW
- AGGREGATE DITCH CHECK (TEMPORARY)

NOTES:
 1. PERIMETER EROSION BARRIER (SILT FENCE) SHALL BE PLACED ONE (1) FOOT ADJACENT TO EXISTING RIPRAP BANK OF HAMPSHIRE CREEK



FILE NAME: W:\P\projects\2013\130148 AllenRd\PH1\cadd\Civil\Drawn\Shots\EROS_01.dgn

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

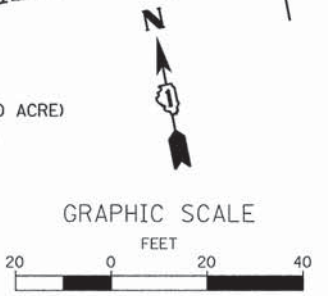
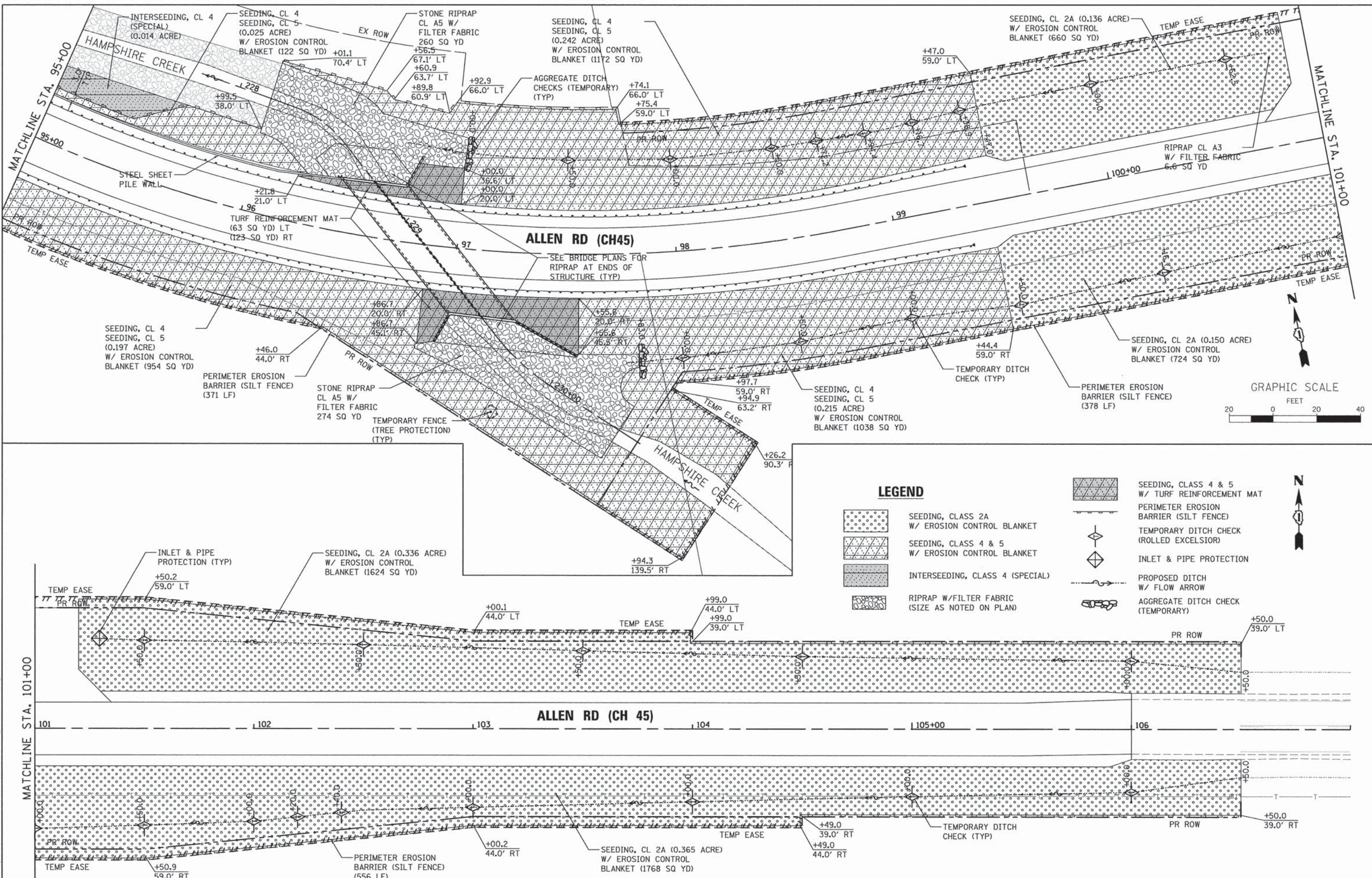
USER NAME = nperris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
 & SEEDING PLAN**

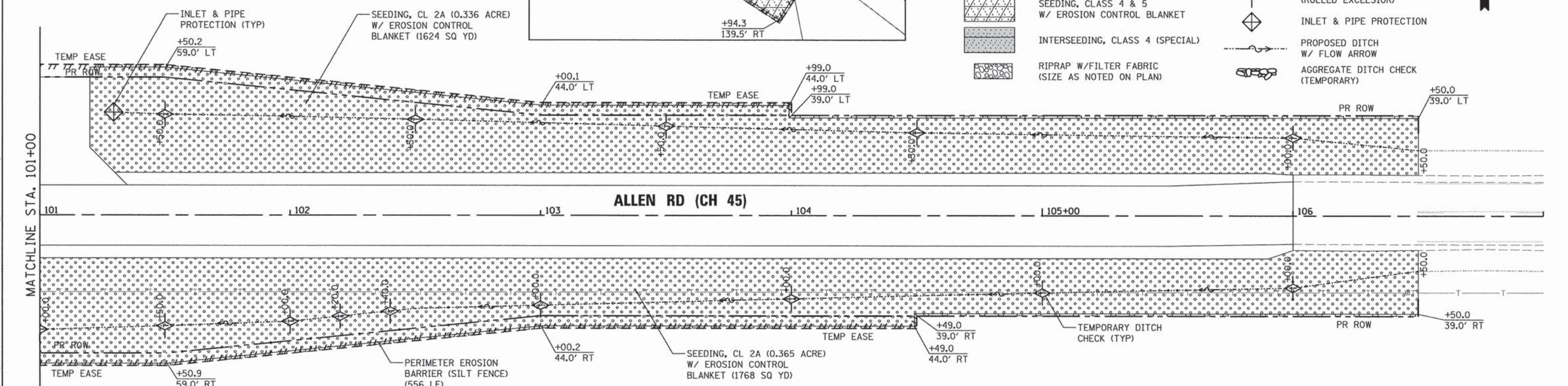
SCALE: 1"=20' SHEET NO. 1 OF 6 SHEETS STA. 85+70.00 TO STA. 95+00.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	28
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



LEGEND

	SEEDING, CLASS 2A W/ EROSION CONTROL BLANKET		SEEDING, CLASS 4 & 5 W/ TURF REINFORCEMENT MAT
	SEEDING, CLASS 4 & 5 W/ EROSION CONTROL BLANKET		PERIMETER EROSION BARRIER (SILT FENCE)
	INTERSEEDING, CLASS 4 (SPECIAL)		TEMPORARY DITCH CHECK (ROLLED EXCELSIOR)
	RIPRAP W/FILTER FABRIC (SIZE AS NOTED ON PLAN)		INLET & PIPE PROTECTION
			PROPOSED DITCH W/ FLOW ARROW
			AGGREGATE DITCH CHECK (TEMPORARY)



WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = bpotorff	DESIGNED - SBP/RD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & SEEDING PLAN		C.H. RTE. = 45	SECTION = 11-00132-01-BR	COUNTY = KANE	TOTAL SHEETS = 84	SHEET NO. = 29	
	PLOT SCALE = 1:20	CHECKED - DPB/SBP	REVISED -		SCALE: 1"=20'		SHEET NO. 2 OF 6 SHEETS	STA. 95+00.00 TO STA. 106+00.00	CONTRACT NO. 61B90			
	PLOT DATE = 8/30/2015	DATE = 9/1/15	REVISED -						ILLINOIS FED. AID PROJECT			

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.

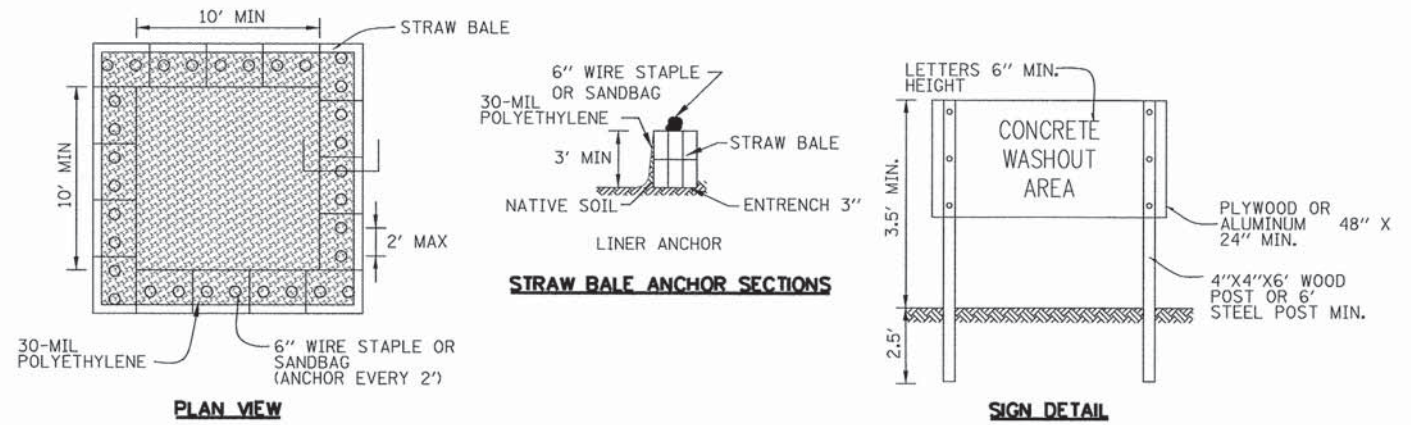
DIVERSION AND DEWATERING

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

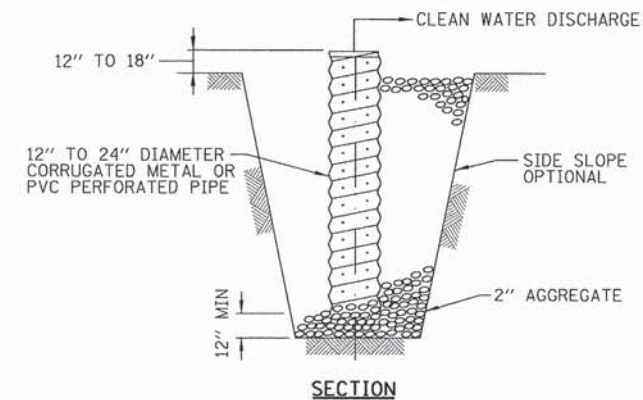
ALL WORK REQUIRED TO PROVIDE FOR THE DEWATERING AND/OR DIVERSION SYSTEMS FOR THE CONSTRUCTION OF THE CULVERT, HEADWALLS, CHANNEL AND BANK STABILIZATION AND RELATED SITE WORK AS SHOWN IN THE PLANS AND SPECIFICATION SHALL BE PAID FOR ON A EACH BASIS ONLY ONCE FOR THE ENTIRE DURATION OF THE PROJECT AS "DIVERSION STRUCTURE", 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 ALL SYSTEMS AND ALL LABOR, MATERIAL, AND EQUIPMENT NEEDED TO PERFORM THE WORK DESCRIBED HEREIN AND AS SPECIFIED ON THE PLANS.



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)



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\130148 - AllenRdPh1\RoadD\Cv1\Drawn\Shet\ER05_04.dgn

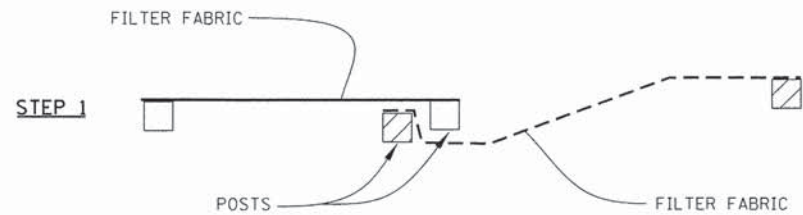
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = bpottorff	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/25/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/25/15	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL & SEEDING DETAILS	
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. 61B90				
ILLINOIS FED. AID PROJECT				



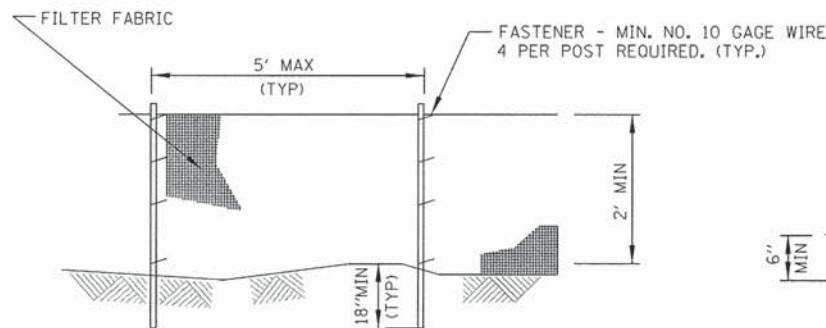
ATTACHING TWO SILT FENCES

NOTES:

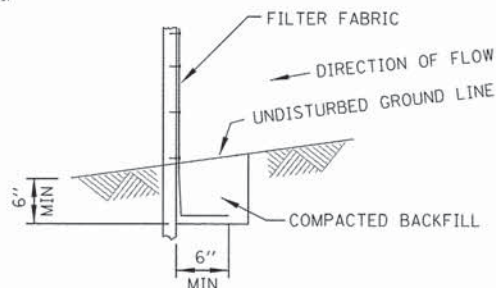
1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
3. CUT THE FABRIC NEAR THE BOTTOM OF THE STAKES TO ACCOMMODATE THE 6" FLAP.
4. DRIVE BOTH POSTS A MINIMUM 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)



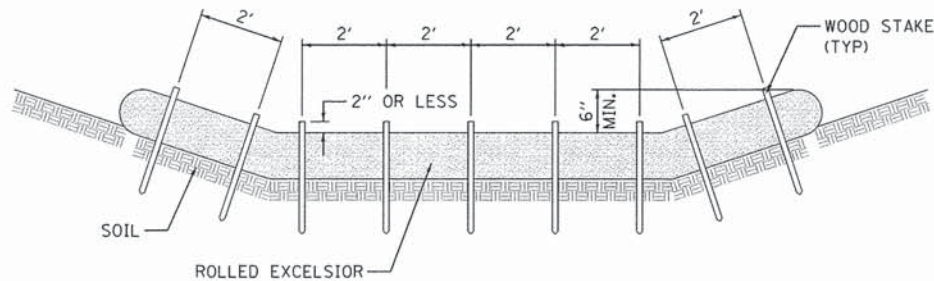
ELEVATION



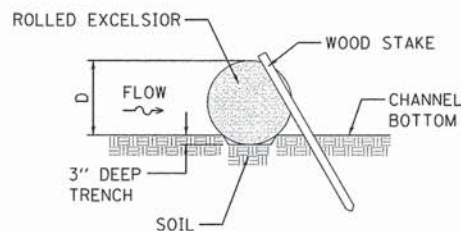
FABRIC ANCHOR DETAIL

**PERIMETER EROSION BARRIER
(SILT FENCE)**

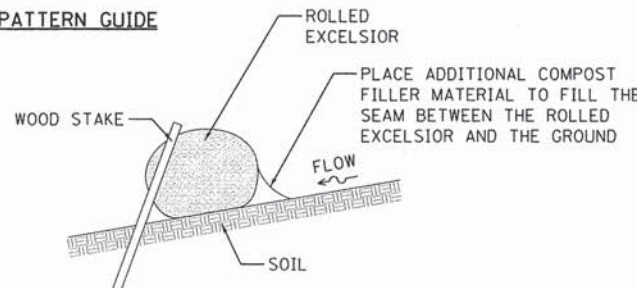
STD. IUM-620A
(SILT FENCE PLAN)



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.

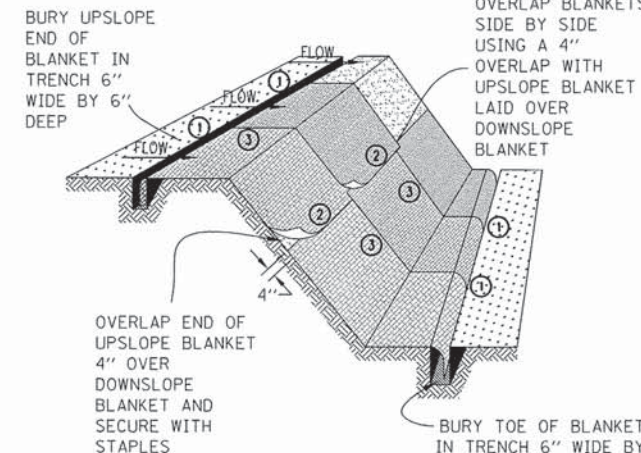
TEMPORARY DITCH CHECK

ROLLED EXCELSIOR

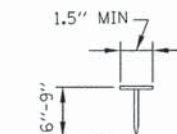
STD. IUM-514
(ROLLED EROSION CONTROL PRODUCTS)

NOTES:

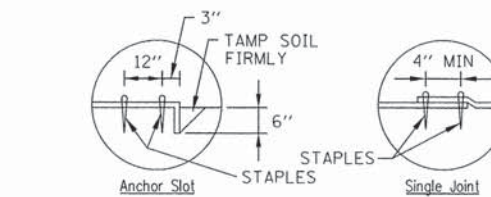
1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 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.



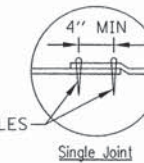
STAPLE DETAIL



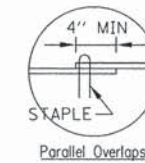
PUSH PIN DETAIL



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.

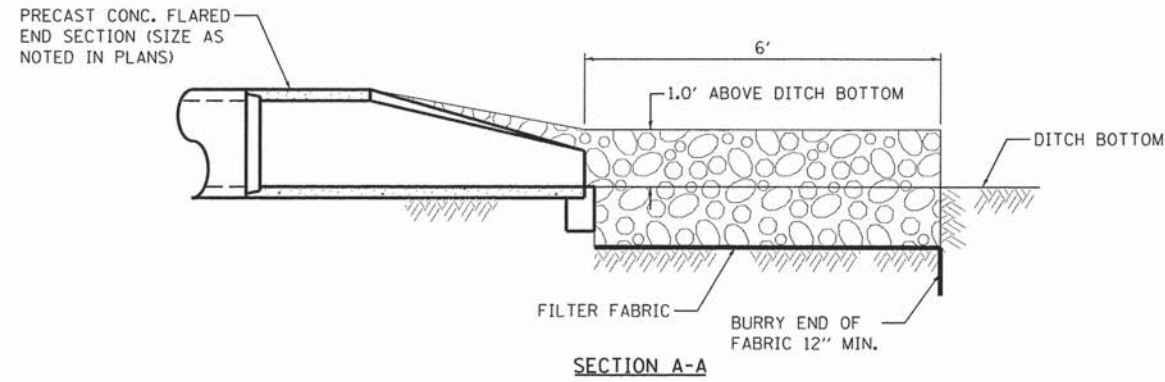
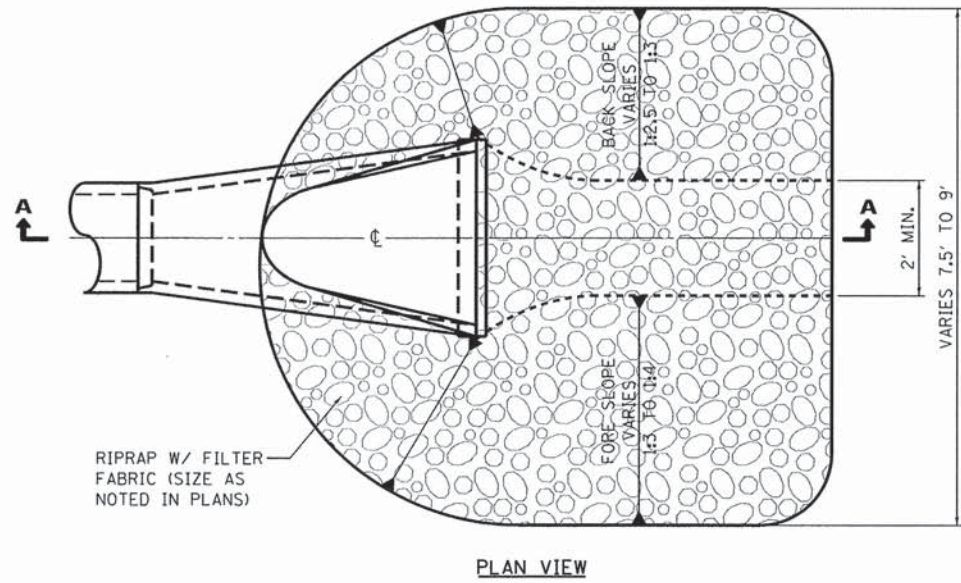
**EROSION CONTROL
BLANKET INSTALLATION DETAILS**

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

FILE NAME = W:\P\projects\2013\130148 - Allentown\11\Drawings\EROS_06.dgn

USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

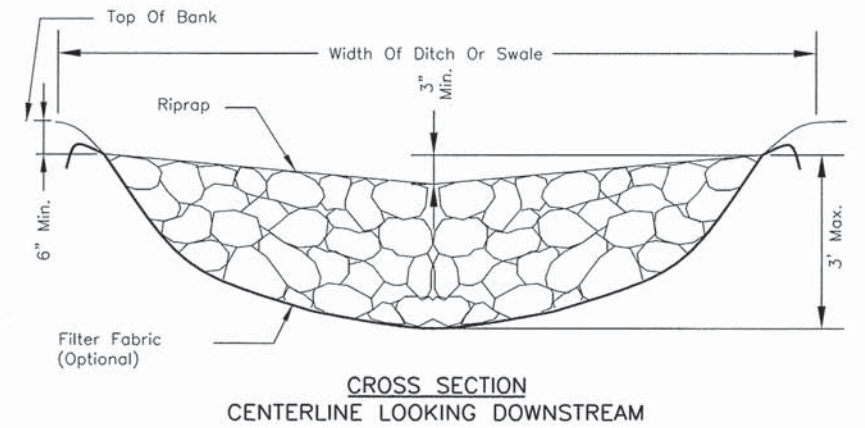
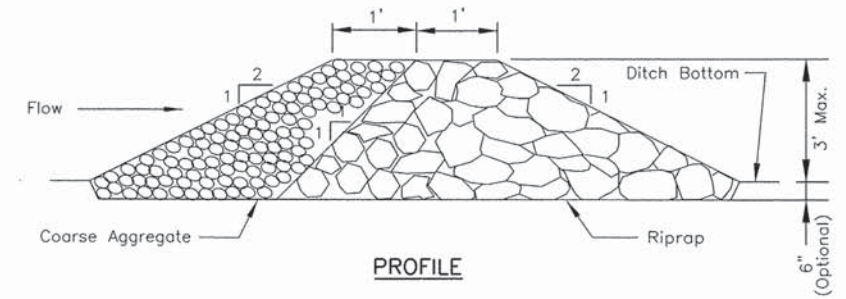
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	32
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



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

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.



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.

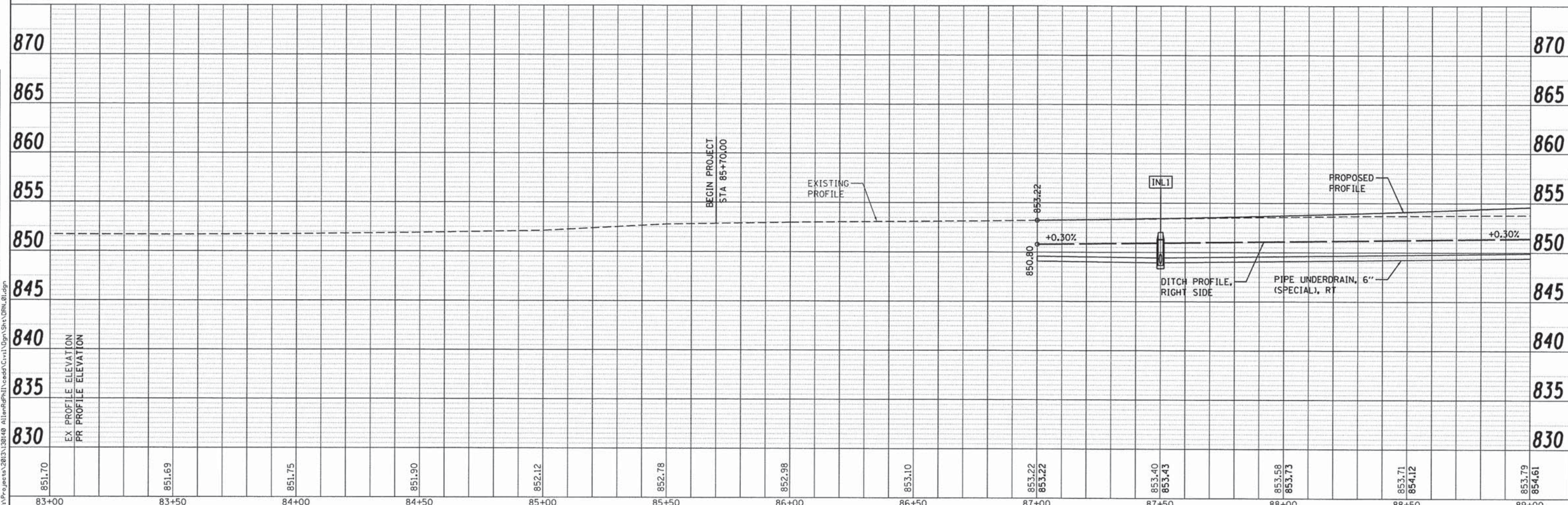
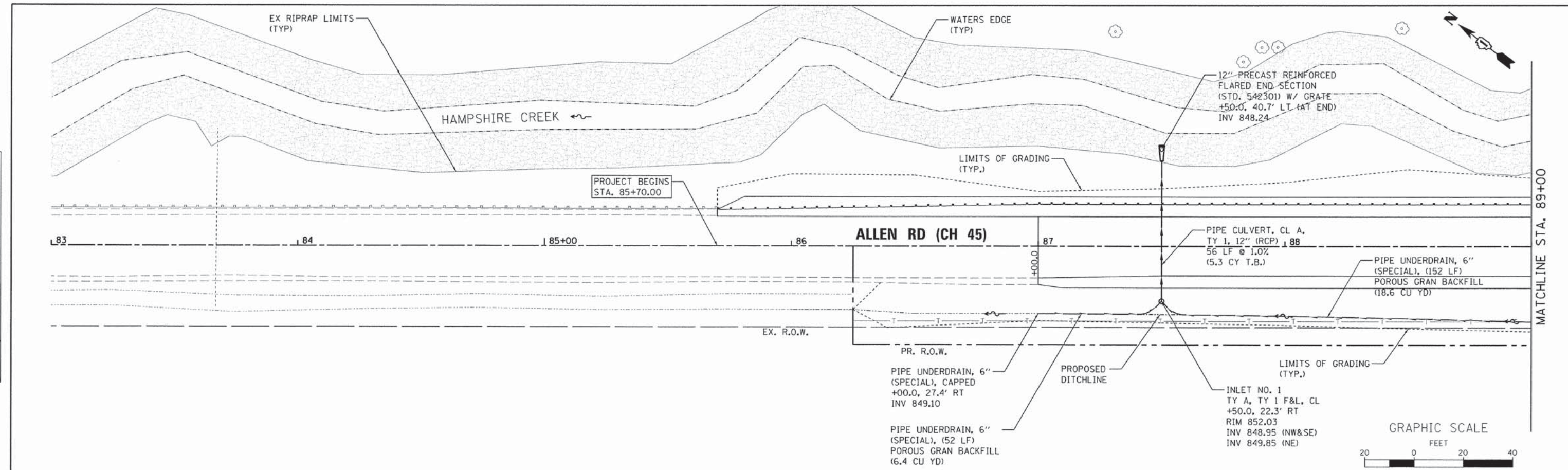
FILE NAME = W:\P\projects\2013\130148 Alltemp\PH\Needs\Civil\Drawings\Sheet\ER05_06.dgn

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	33
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nparv13	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

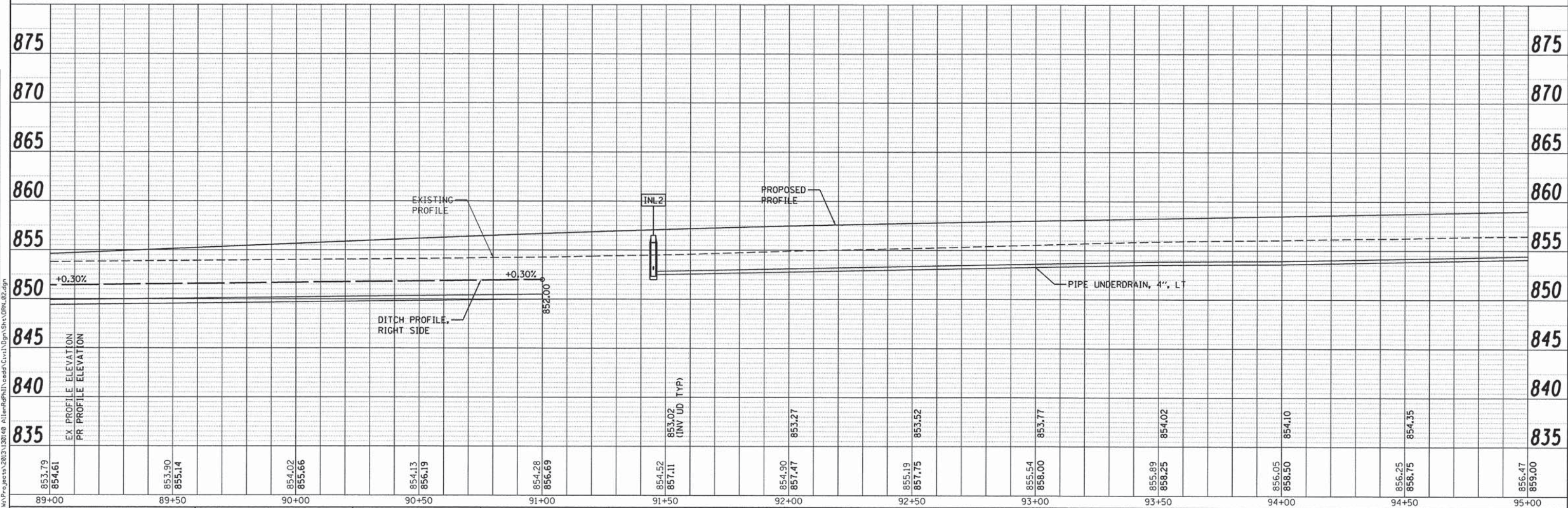
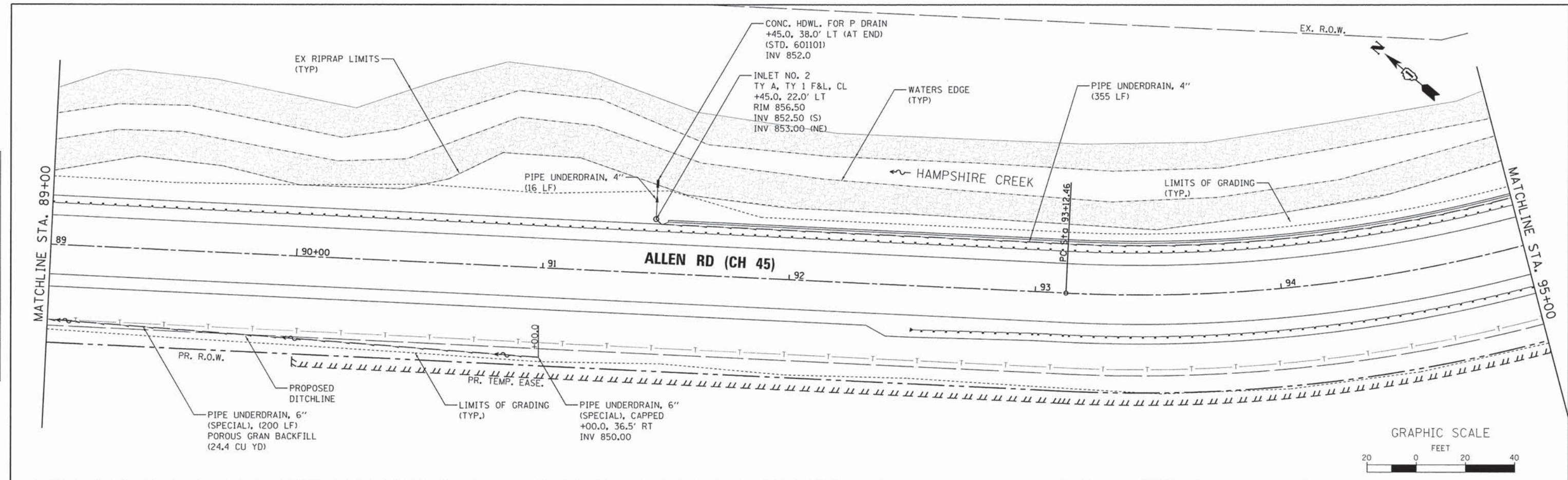
DRAINAGE & UTILITY
PLAN & PROFILE

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

C.H. RTE. 45	SECTION 11-00132-01-BR	COUNTY KANE	TOTAL SHEETS 84	SHEET NO. 34
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT		
	FILE NAME		
	NO.		



FILE NAME = W:\Projects\2013\130140 AllenRd\11-00132-01-01\Drawings\Sta\UDRN_02.dgn

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

USER NAME =	ngarr18
PLOT SCALE =	1:20
PLOT DATE =	8/3/2015

DESIGNED -	SBP/RD	REVISED -	-
DRAWN -	NDP/RD	REVISED -	-
CHECKED -	DPB/SBP	REVISED -	-
DATE -	8/10/15	REVISED -	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

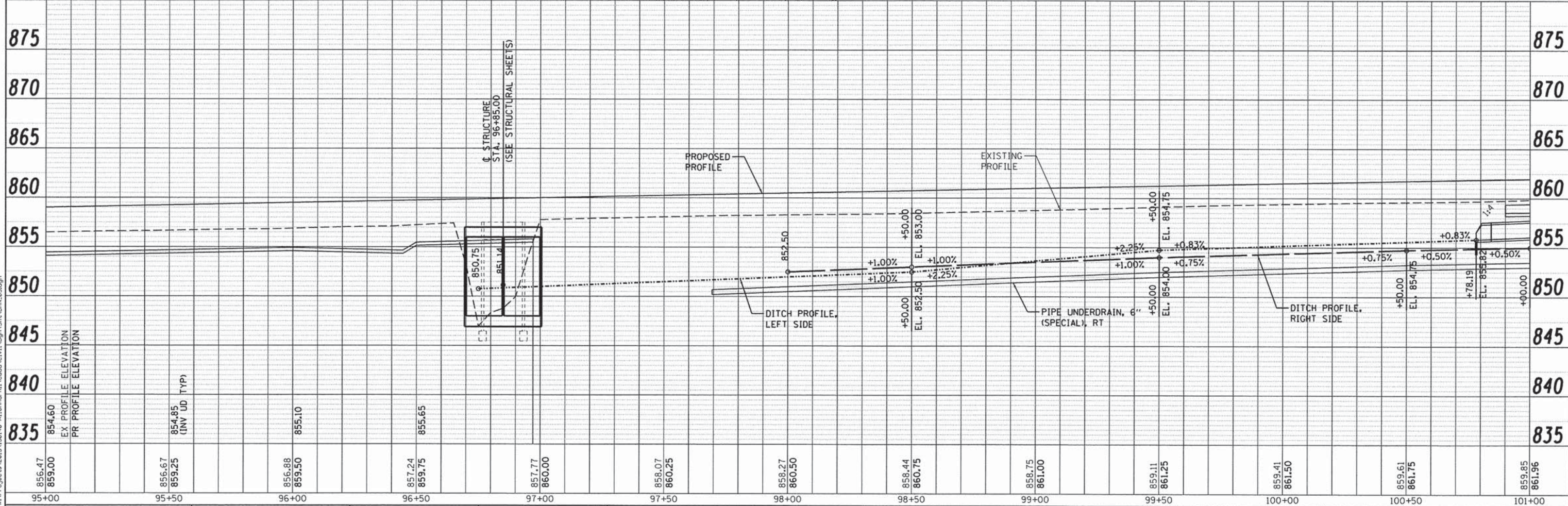
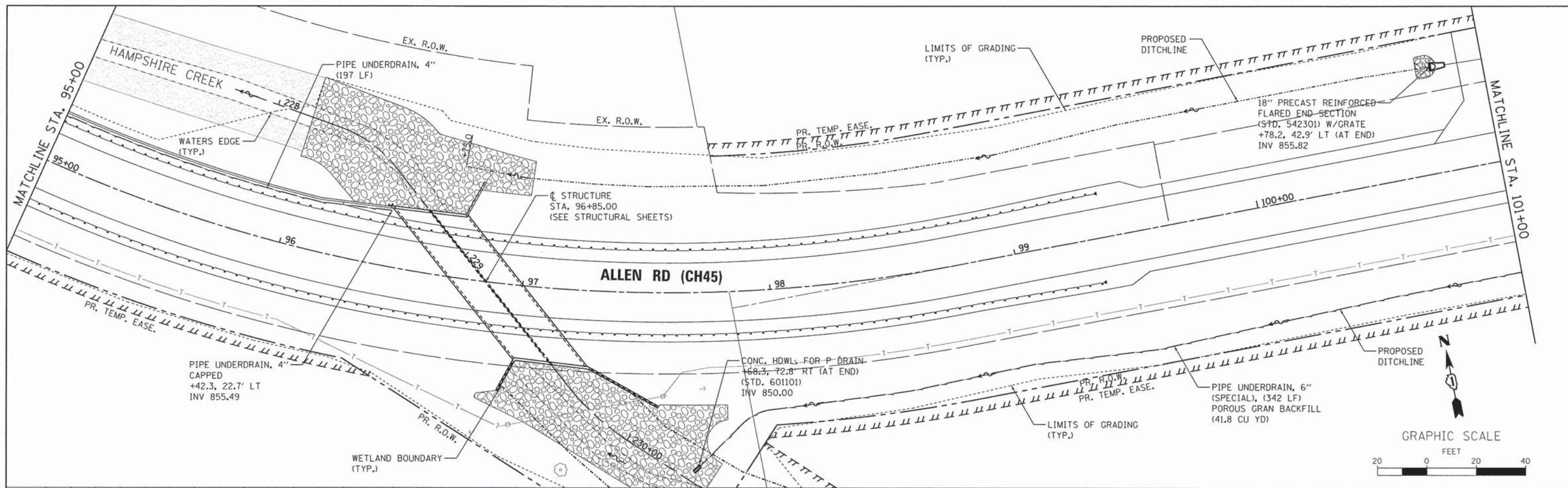
**DRAINAGE & UTILITY
PLAN & PROFILE**

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. 61B90				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	NO. _____		
	FILE NAME		



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

USER NAME = nparris
 DESIGNED - SBP/RD
 DRAWN - NDP/RD
 CHECKED - DPB/SBP
 PLOT SCALE = 1:20
 PLOT DATE = 8/3/2015

DESIGNED - SBP/RD
 DRAWN - NDP/RD
 CHECKED - DPB/SBP
 DATE - 8/10/15

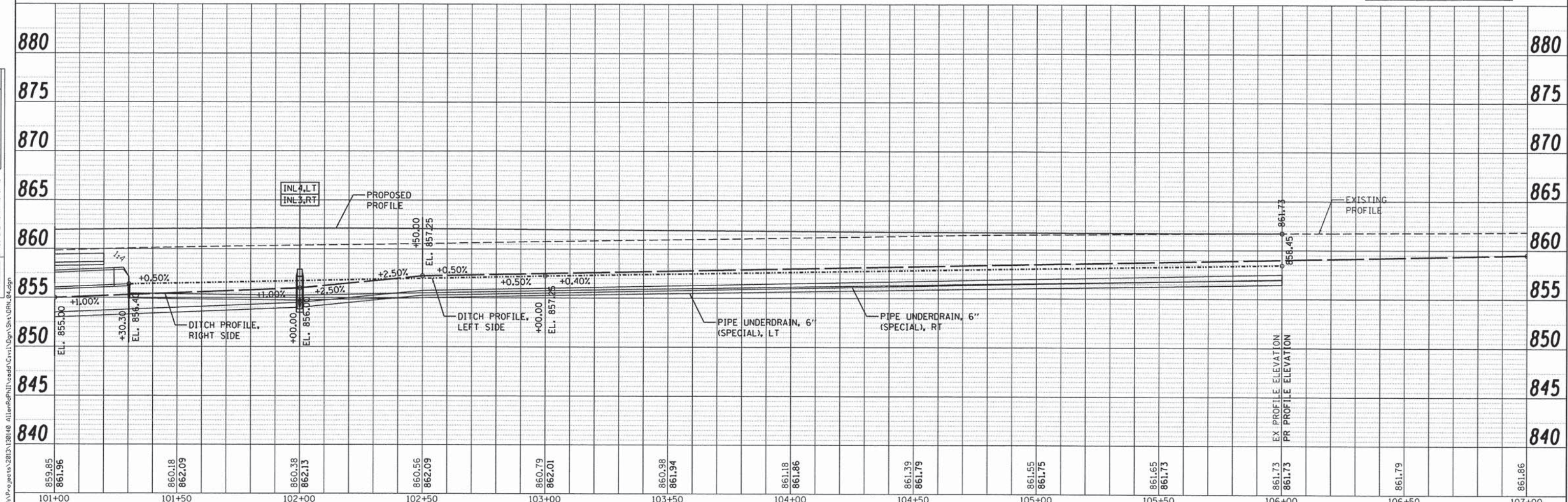
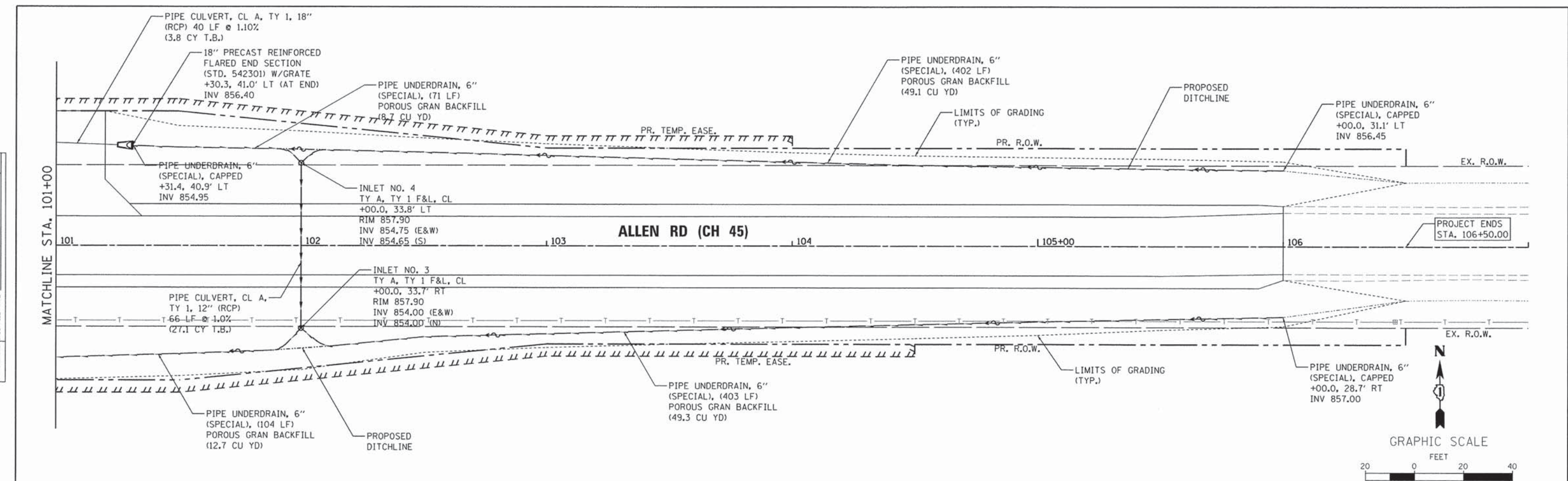
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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. 61B90				
ILLINOIS FED. AID PROJECT				

DATE
BY
SURVEYED
PLOTTED
CHECKED
NO. OF WAY CHECKED
NOTE BOOK NO.
FILE NAME

DATE
BY
PROFILE
SURVEYED
PLOTTED
CHECKED
NOTE BOOK NO.
STRUCTURE NOTATIONS
FILE NAME



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

USER NAME = nparr15	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	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 NO.
45	11-00132-01-BR	KANE	84 37
CONTRACT NO. 61B90			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

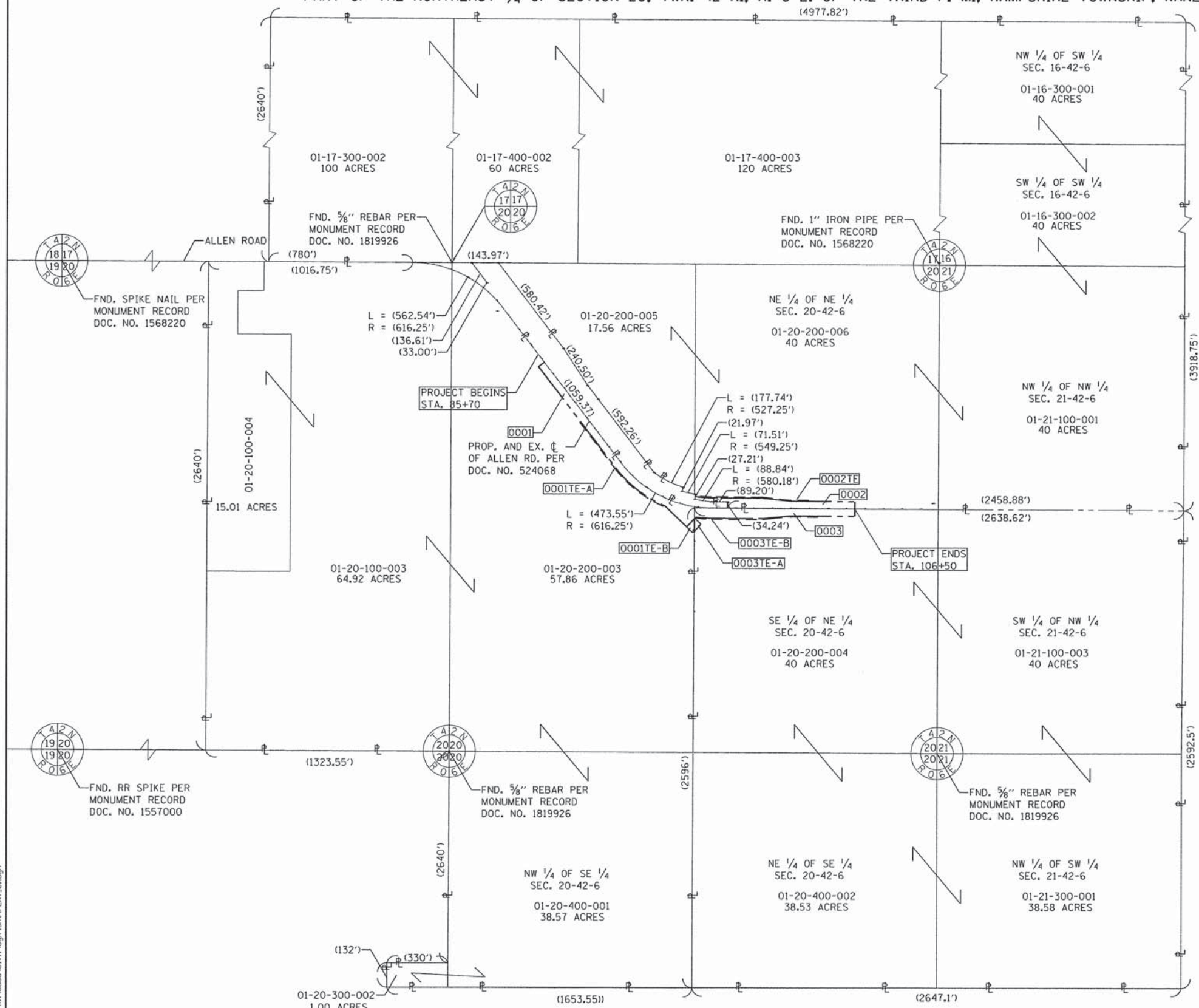
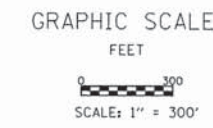


- SECTION LINE
- QUARTER SECTION LINE
- PROPERTY LINE
- CENTERLINE
- EXISTING R.O.W. LINE
- EXISTING EASEMENT LINE
- PROPOSED R.O.W. LINE
- PROPOSED EASEMENT LINE

- XXX.XX'
- (XXX.XX')
- o IP
- o
- Δ PK
-

- T1 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 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.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE.
PROPERTY LINES ARE SHOWN FOR TOTAL HOLDING PURPOSES ONLY. SURVEY WAS COMPLETED FOR RIGHT OF WAY OF ALLEN ROAD ONLY.



CENTERLINE OF ALLEN RD.				
LINE	BEARING	DISTANCE	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



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

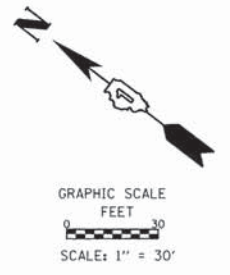
LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION: 11-00132-01-BR JOB NO.: R-55-001-97
STATION 85+70 TO STATION 106+50
SCALE: 1" = 300' SHEET 2 OF 5

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

FILE NAME: W:\P\projects\2013\1130140 AllenRd\PH1\Acad\Civil\Drawn\Shk\PLAT_01.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nporris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS FOR REFERENCE ONLY	C.H. RTE. 45 SECTION 11-00132-01-BR COUNTY KANE TOTAL SHEETS 84 SHEET NO. 38	CONTRACT NO. 61B90
	PLOT SCALE = 1:315	DRAWN -	REVISED -				
	PLOT DATE = 7/30/2015	CHECKED -	REVISED -				
	DATE = 8/10/15	REVISED -		REVISION DATE: _____ REVISION _____ MADE BY _____	SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT	

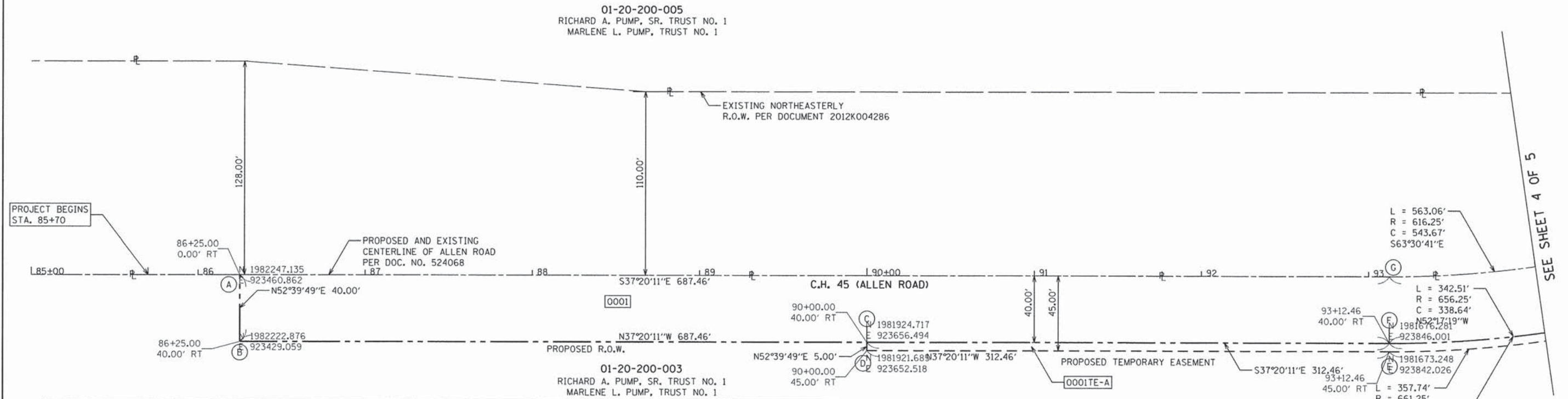
PART OF THE NORTHEAST 1/4 OF SECTION 20, TWN. 42 N., R. 6 E. OF THE THIRD P. M., HAMPSHIRE TOWNSHIP, KANE COUNTY, ILLINOIS.



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 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.
 - T2
 - T3
 - BT1 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.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE.



PARCEL	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED		PREVIOUSLY USED ACRES	REMAINDER ACRES	EASEMENT AREA		PURPOSE OF EASEMENT	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SO FT			ACRES	SO FT			
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 KNOWN 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	
0002	ALBERT J. GEHRINGER, AS TRUSTEE UNDER TRUST AGREEMENT DATED MARCH 30, 1996 AND KNOWN AS TRUST NUMBER 33096	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	
0003							0.030	1323.63	CONSTRUCTION	01-20-400-002	
0003TE-B	0.076	3302.04	CONSTRUCTION	01-21-100-003							

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



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

FILE NAME = W:\Projects\2013\130149 - AllenRd\PH1Needs\Civil\Drawings\PLAT_02.dgn



USER NAME = nperris	DESIGNED -	REVISED -
PLOT SCALE = 1:31.5	DRAWN -	REVISED -
PLOT DATE = 7/30/2015	CHECKED -	REVISED -
	DATE = 8/10/15	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.

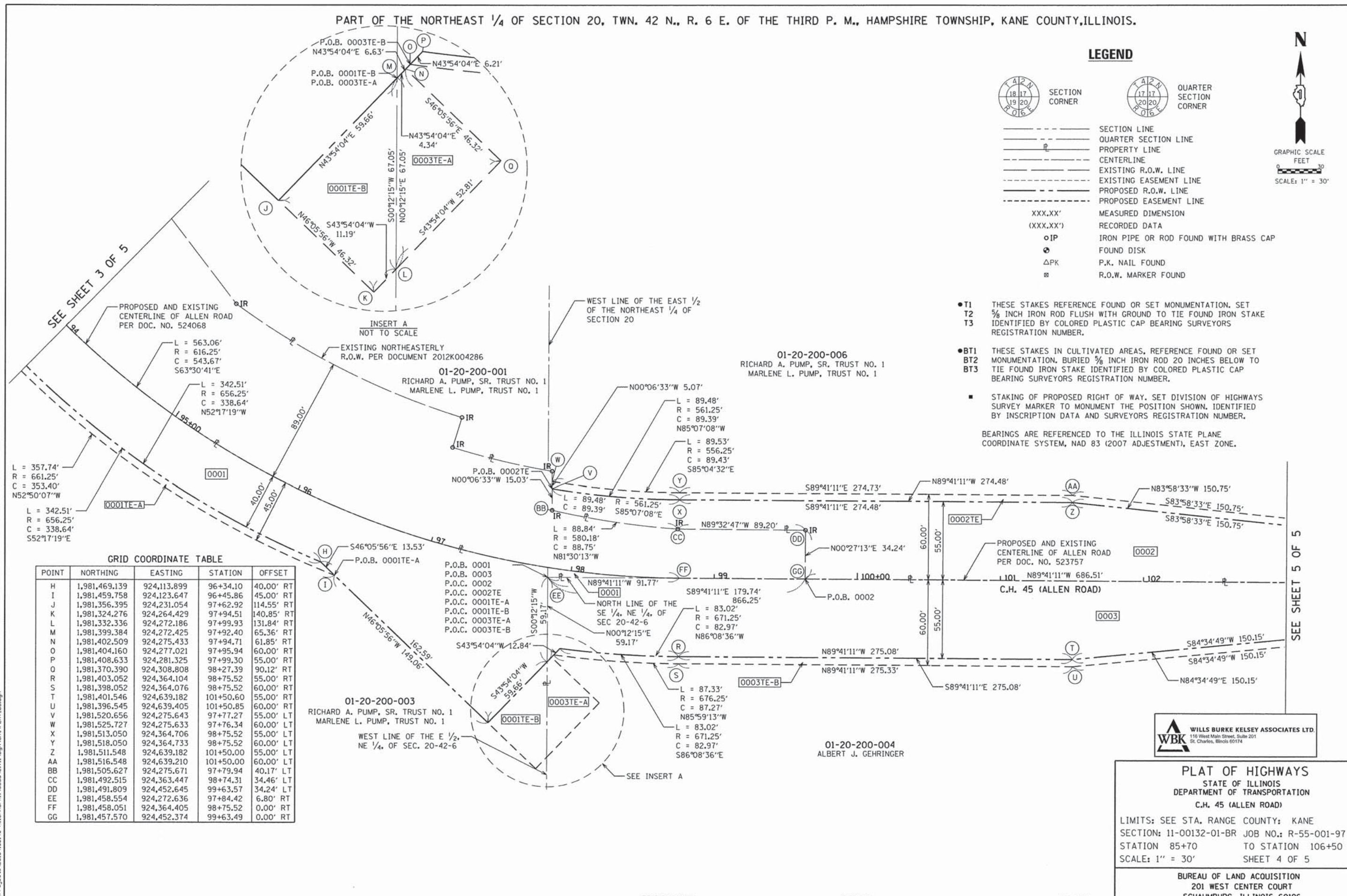
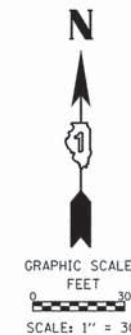
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	39

CONTRACT NO. 61B90
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
- oIP IRON PIPE OR ROD FOUND WITH BRASS CAP
- ⊙ FOUND DISK
- ΔPK P.K. NAIL FOUND
- ⊞ R.O.W. MARKER FOUND



- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 1/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 3/8 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 ADJUSTMENT), 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
R	1,981,370.390	924,308.808	98+27.39	90.12' RT
S	1,981,403.052	924,364.104	98+75.52	55.00' RT
T	1,981,398.052	924,364.076	98+75.52	60.00' RT
U	1,981,401.546	924,639.182	101+50.60	55.00' RT
V	1,981,396.545	924,639.405	101+50.85	60.00' RT
W	1,981,520.656	924,275.643	97+77.27	55.00' LT
X	1,981,525.727	924,275.633	97+76.34	60.00' LT
Y	1,981,513.050	924,364.706	98+75.52	55.00' LT
Z	1,981,518.050	924,364.733	98+75.52	60.00' LT
AA	1,981,511.548	924,639.182	101+50.00	55.00' LT
BB	1,981,516.548	924,639.210	101+50.00	60.00' LT
CC	1,981,505.627	924,275.671	97+79.94	40.17' LT
DD	1,981,492.515	924,363.447	98+74.31	34.46' LT
EE	1,981,491.809	924,452.645	99+63.57	34.24' LT
FF	1,981,458.554	924,272.636	97+84.42	6.80' RT
GG	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



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
 SCHAMBURG, ILLINOIS 60196

REVISION DATE: REVISION MADE BY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
 FOR REFERENCE ONLY

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

CONTRACT NO. 61B90

FILE NAME: W:\P\projects\2013\130149 AllenRoad\11-00132-01-BR.dgn

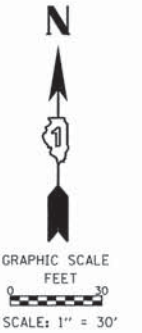
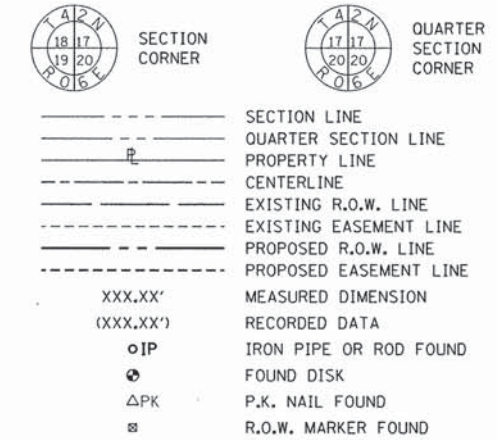


USER NAME	DESIGNED	REVISION
nperris	-	-
	DRAWN	REVISION
	CHECKED	REVISION
	DATE	REVISION
	8/10/15	-

SCALE: N.T.S. SHEET NO. 3 OF 4 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.

LEGEND



GRID COORDINATE TABLE

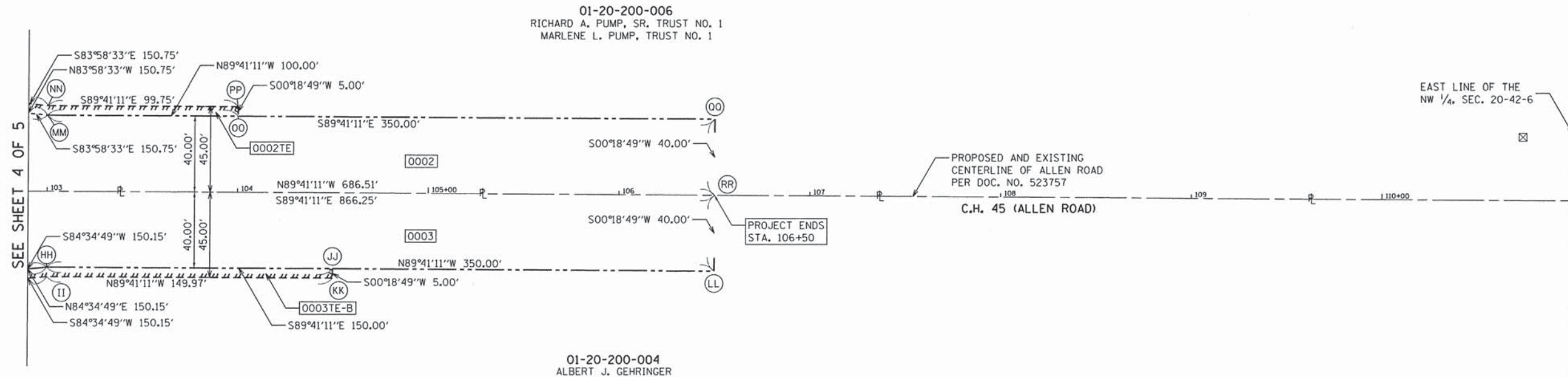
POINT	NORTHING	EASTING	STATION	OFFSET
HH	1,981,415.728	924,788.660	103+00.00	40.00' RT
II	1,981,410.728	924,788.660	103+00.00	45.00' RT
JJ	1,981,414.907	924,938.658	104+50.00	40.00' RT
KK	1,981,409.908	924,938.630	104+50.00	45.00' RT
LL	1,981,413.813	925,138.655	106+50.00	40.00' RT
MM	1,981,495.727	924,789.098	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

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

- BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET
- BT2 MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO
- BT3 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 ADJUSTMENT), EAST ZONE.



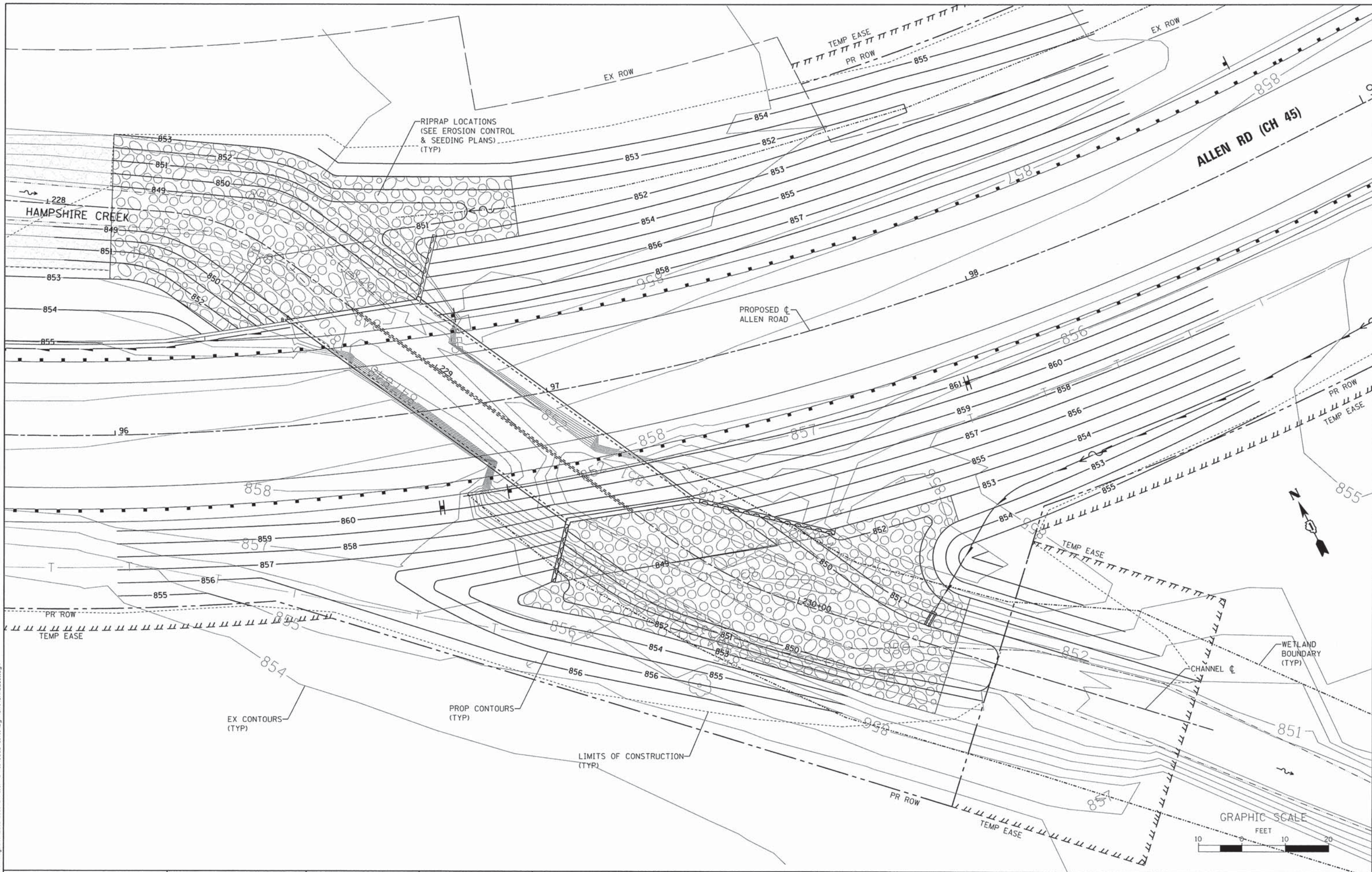
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 C.H. 45 (ALLEN ROAD)

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

FILE NAME = W:\Projects\2013\130140 AllenRd\PHI\Needs\Civil\Drawings\PLAT_04.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nperris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS FOR REFERENCE ONLY	C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:31.5	DRAWN -	REVISED -			45	11-00132-01-BR	KANE	84	41
	PLOT DATE = 7/30/2015	CHECKED -	REVISED -			CONTRACT NO. 61B90				
		DATE = 8/10/15	REVISED -	SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				



FILE NAME: W:\Projects\2013\130140 - Allen Rd\PH\1\cadd\Civil\Ogna\Sh\GRDDE_01.dgn

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

USER NAME = nporris
 PLOT SCALE = 1:10
 PLOT DATE = 8/3/2015

DESIGNED - SBP/RD
 DRAWN - NDP/RD
 CHECKED - DPB/SBP
 DATE - 8/10/15

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

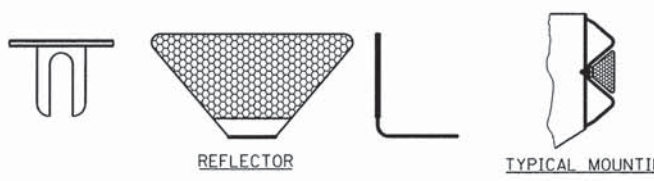
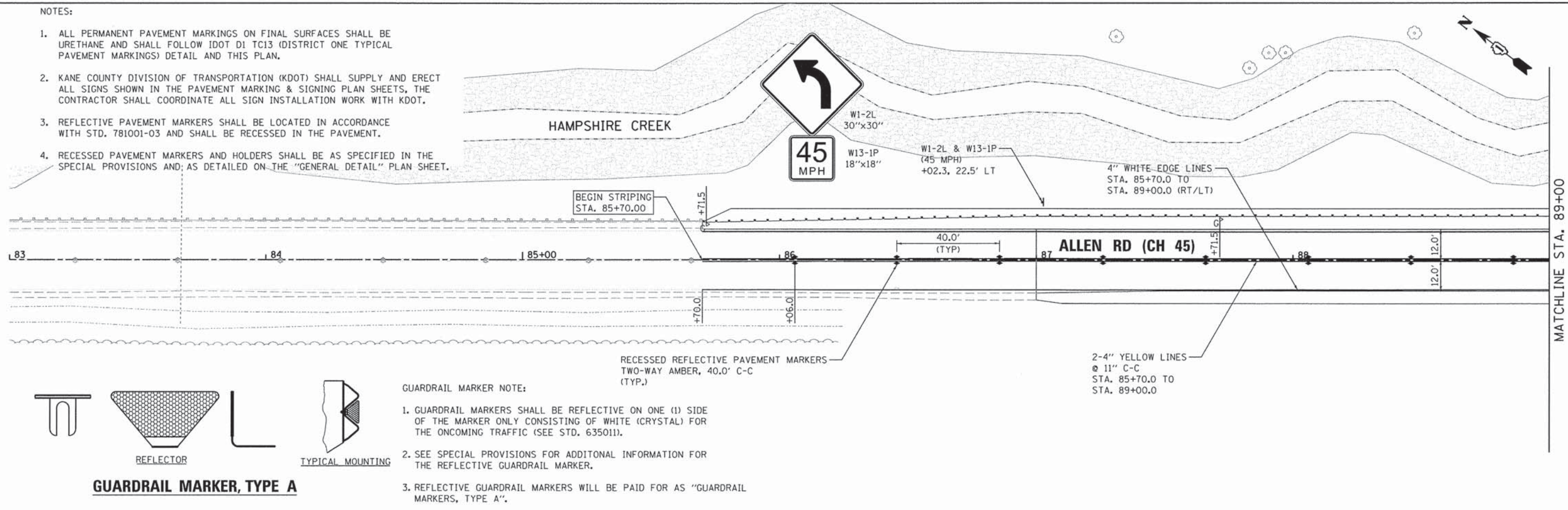
**CULVERT & CHANNEL
 GRADING PLAN**

SCALE: 1"=10'
 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	42
CONTRACT NO. 61B90				
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. 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.



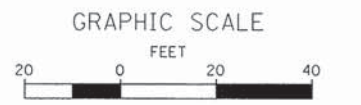
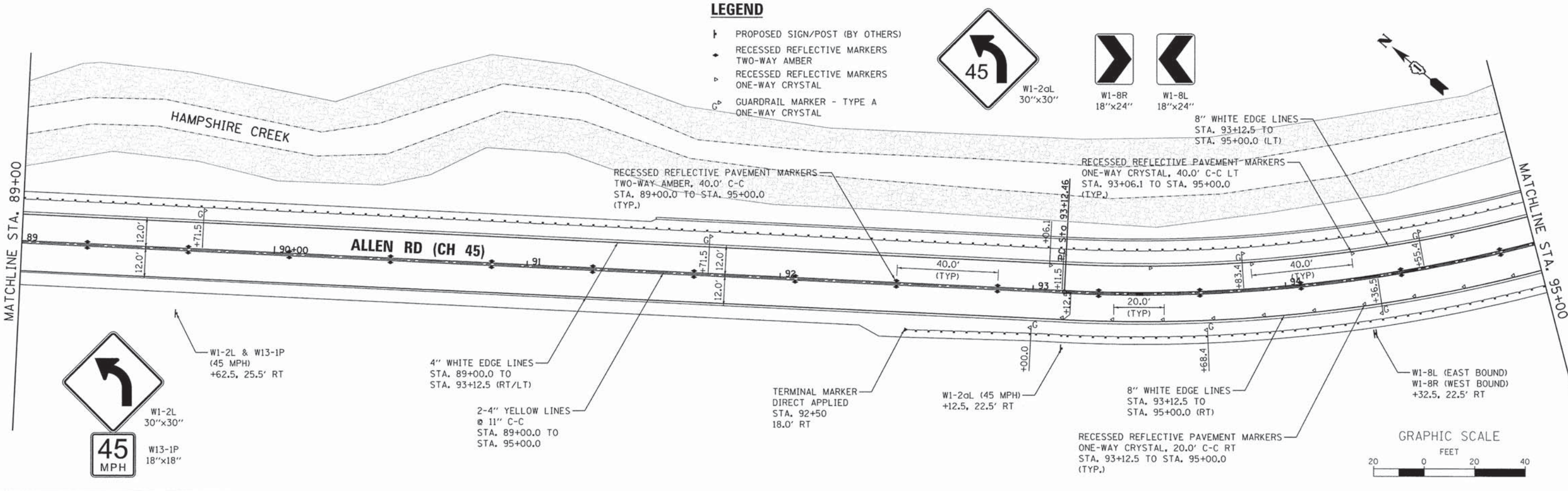
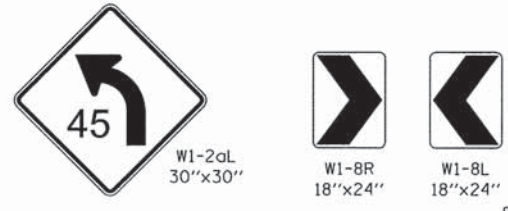
GUARDRAIL MARKER, TYPE A

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 ADDITIONAL 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)
- ◆ RECESSED REFLECTIVE MARKERS TWO-WAY AMBER
- ▽ RECESSED REFLECTIVE MARKERS ONE-WAY CRYSTAL
- ◊ GUARDRAIL MARKER - TYPE A ONE-WAY CRYSTAL



FILE NAME: W:\Projects\2013\130148 AllenRdPH1\Head\Draw\100\Plan\Sheet\PMK_01.dgn

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

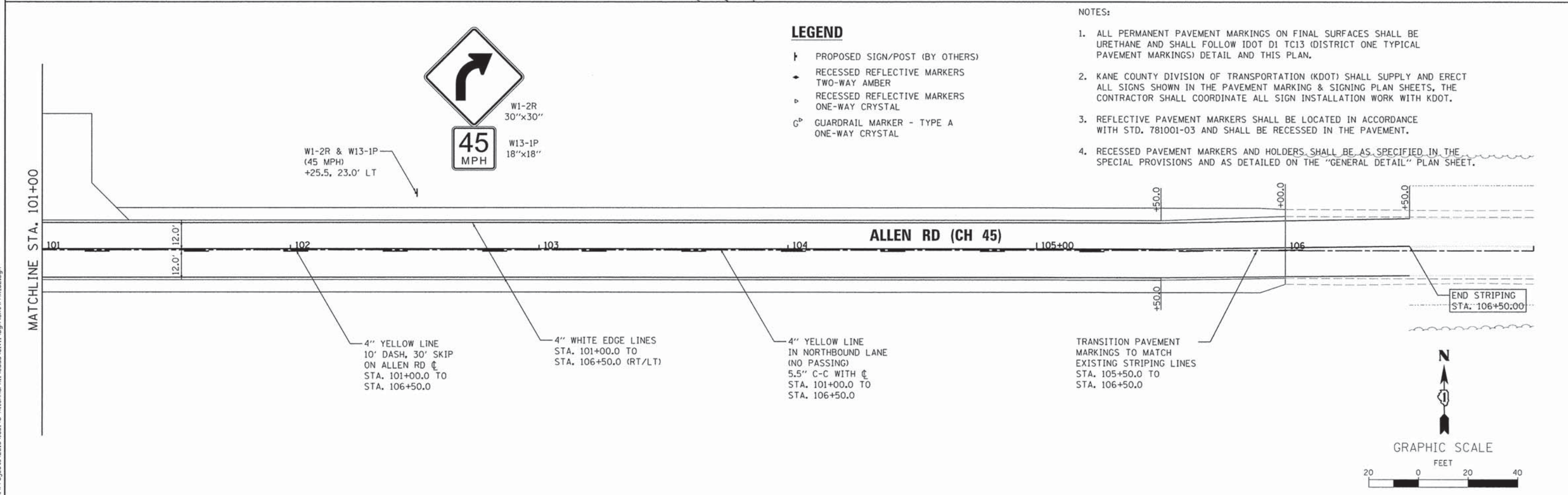
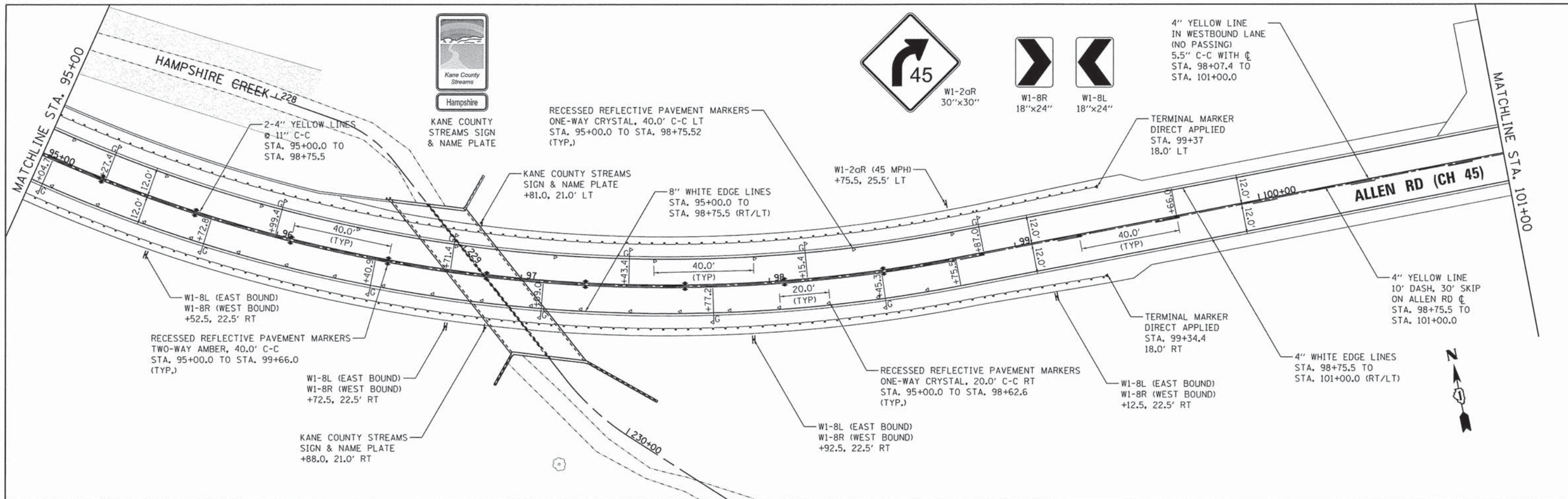
USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
 & SIGNING PLAN**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	43
CONTRACT NO. 61B90			ILLINOIS FED. AID PROJECT	



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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	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. 61B90				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\Projects\2013\130146 AllenRd\PH\1\Acadd\Civil\Ogr\Shk\PMK_02.dgn

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 substructure 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.

Crest gaging station to be salvaged. See Special Provisions.

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.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	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

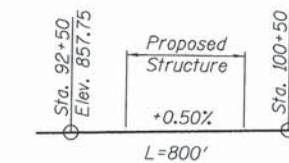
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

LOADING HL-93

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

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

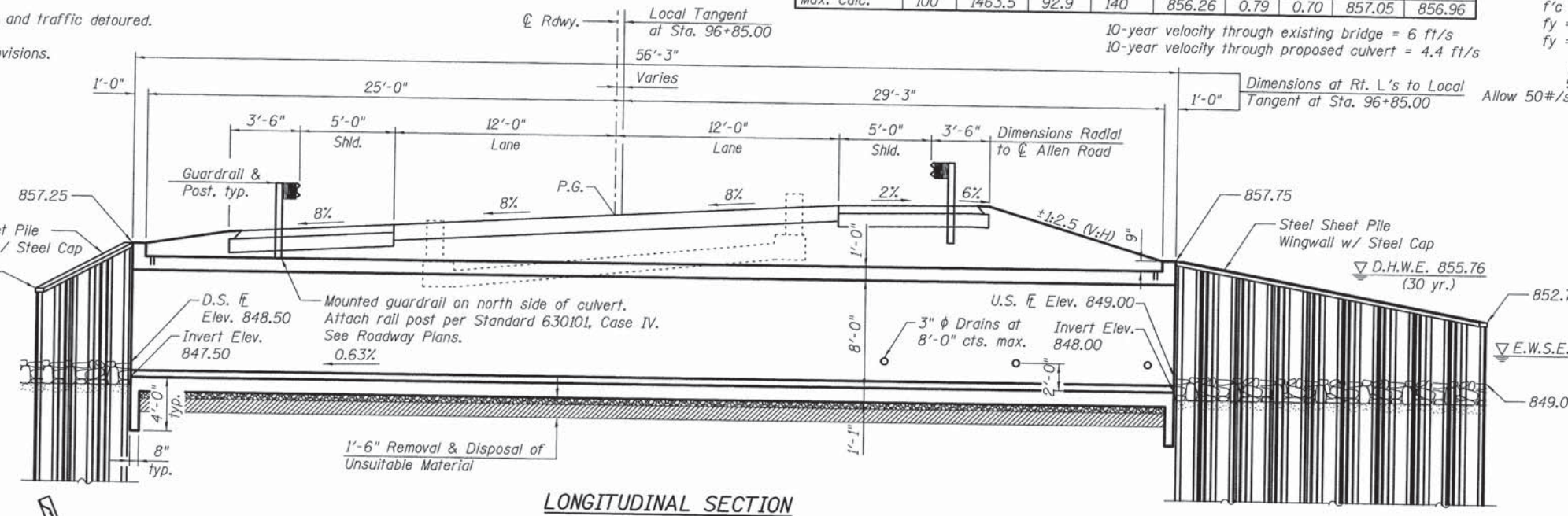


PROFILE GRADE

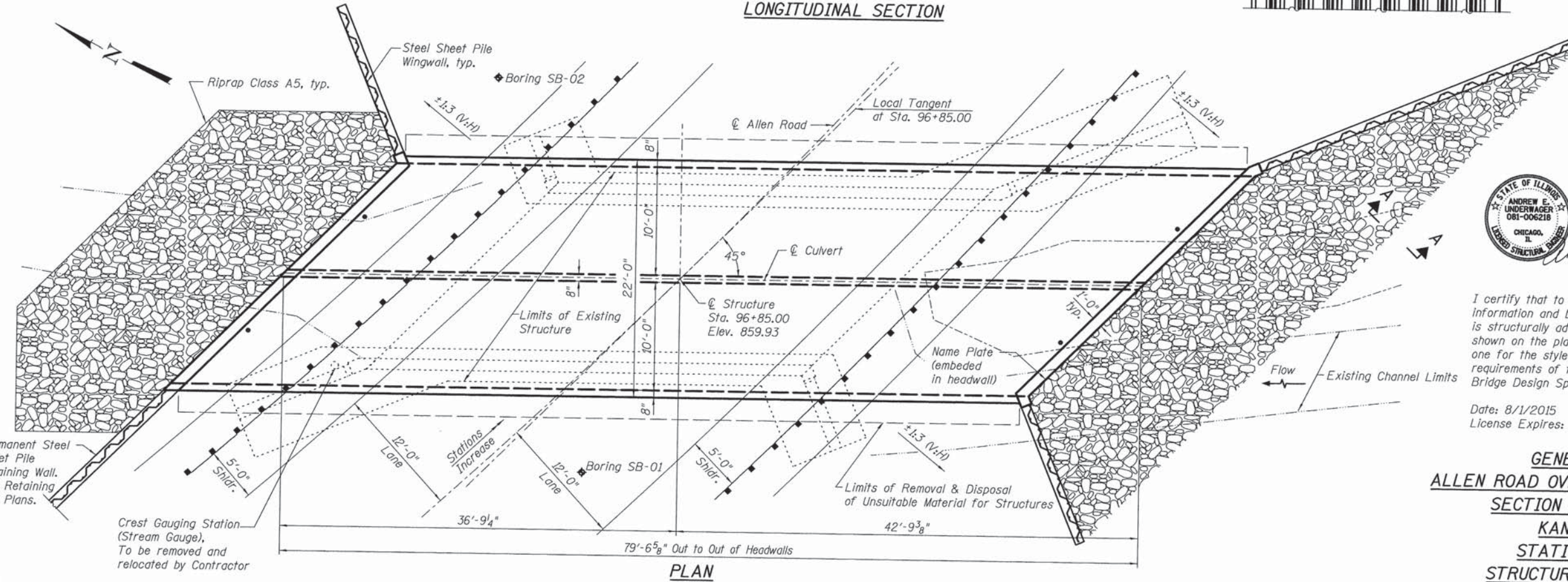
(Along C Allen Road)

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	844.00	843.50



LONGITUDINAL SECTION



PLAN



LOCATION SKETCH



I certify that to the best of my knowledge, information and belief, the bridge and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

Date: 8/1/2015
License Expires: 11/30/2016

GENERAL PLAN
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\130148 AllenRoad\11-00132-01-BR\96-801-01-01.dwg

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

USER NAME = nparr12	DESIGNED - ELN/MCC	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 8/3/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 045-3185
SHEET NO. 1 OF 8 SHEETS

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

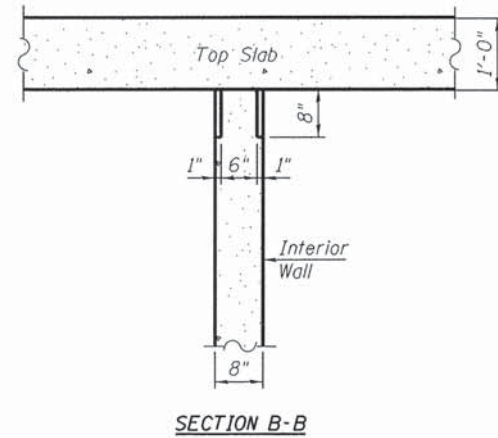
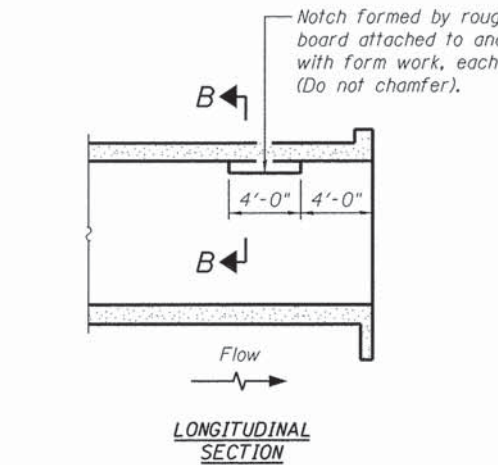
CONTRACT NO. 61890

INDEX OF SHEETS

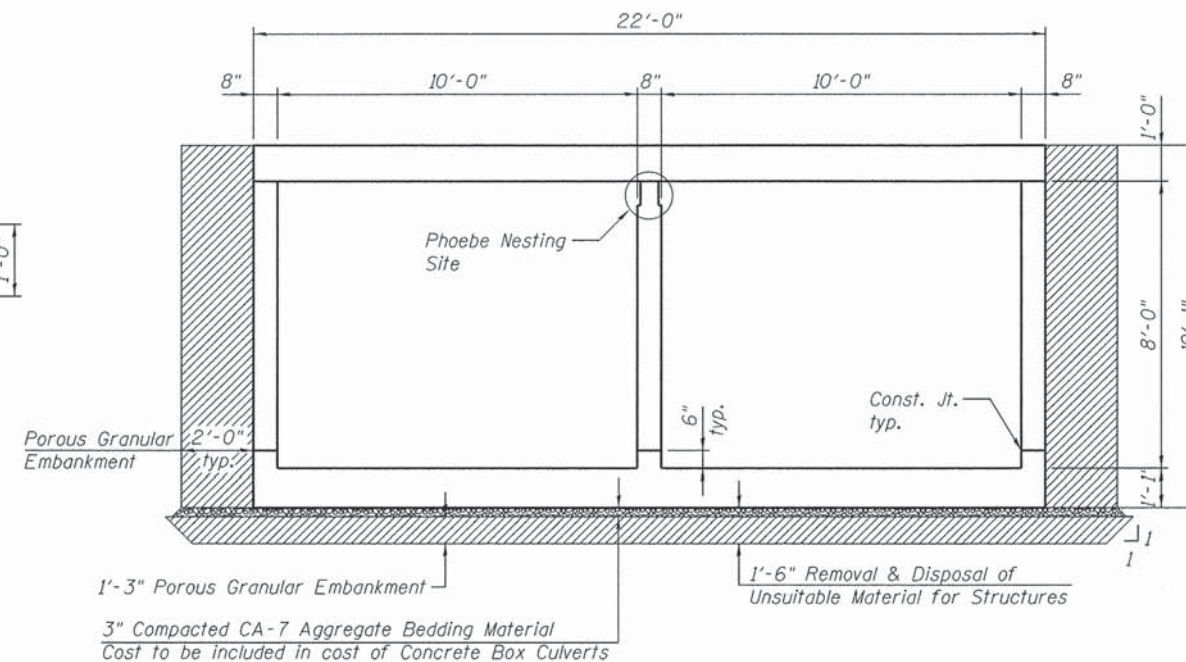
1. General Plan
2. General Notes, Index of Sheets & Bill of Material
3. Box Culvert Details
4. Box Culvert and Steel Sheet Pile Wingwall Details
- 5-6. Soil Boring Logs
- 7-8. Existing Structural Plans

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.



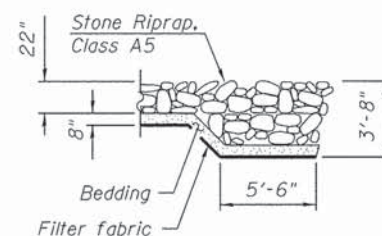
PHOEBE NESTING SITE DETAILS
(Downstream End Only)



SECTION THRU BARREL

TOTAL BILL OF MATERIAL

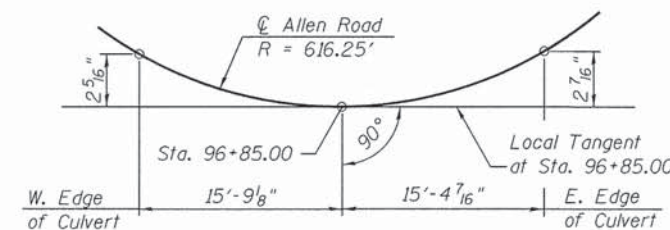
ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	113
Porous Granular Embankment	Cu. Yd.	210
Stone Riprap, Class A5	Sq. Yd.	132
Filter Fabric	Sq. Yd.	132
Removal of Existing Structures	Each	1
Reinforcement Bars, Epoxy Coated	Pound	47,100
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	157.6
Permanent Steel Sheet Piling	Sq. Yd.	1,555



SECTION A-A

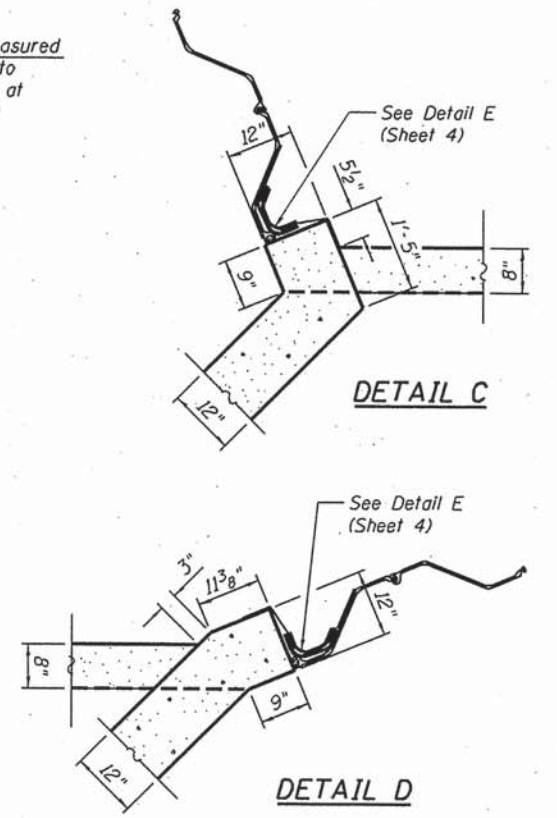
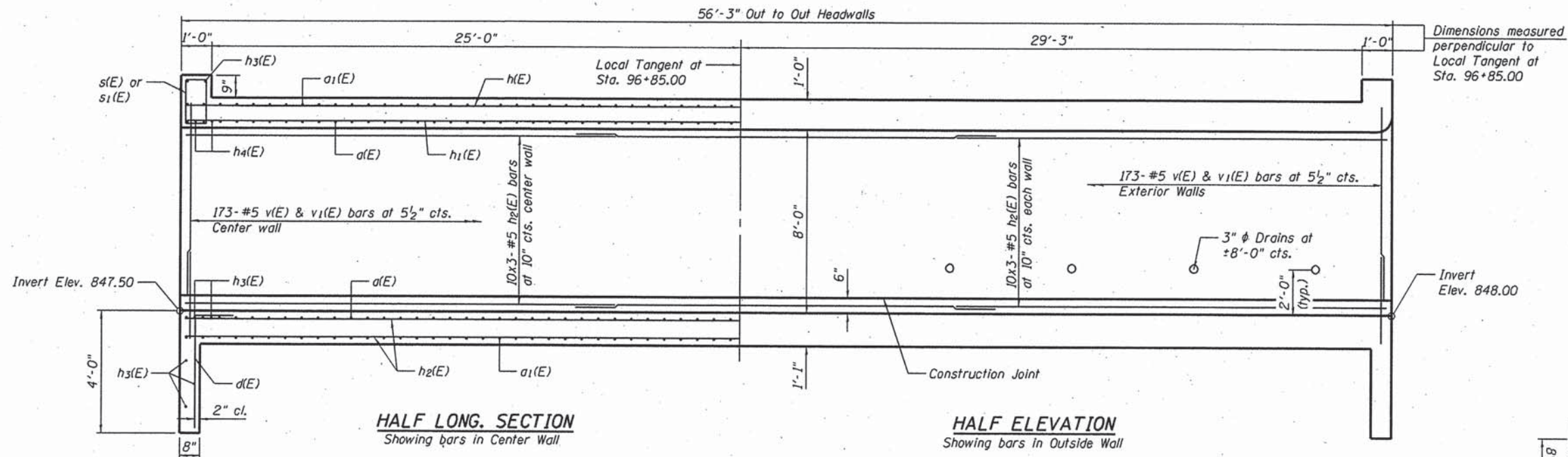
HAMPSHIRE CREEK
BUILT BY
KANE COUNTY
SEC. 11-00132-01-BR
C.H. 45 STA. 96+85
STR. NO. 045-3185 LOADING HL-93

NAME PLATE
See Std. 515001



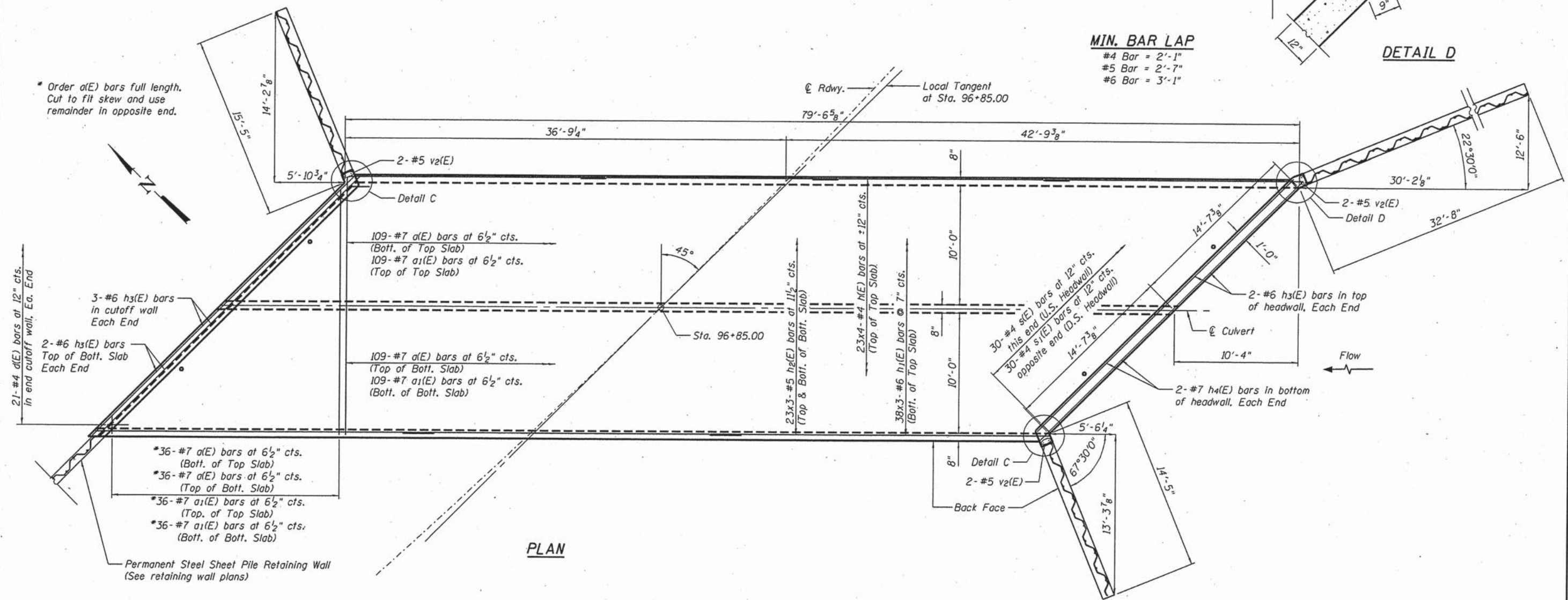
OFFSET SKETCH

FILE NAME = W:\Projects\2013\130148 AllenRdPH\Needa\Structure.dgn



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

* Order a(E) bars full length. Cut to fit skew and use remainder in opposite end.



FILE NAME = M:\Projects\2015\11-00132-01-Box Culvert\Drawings\Box Culvert.dwg

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

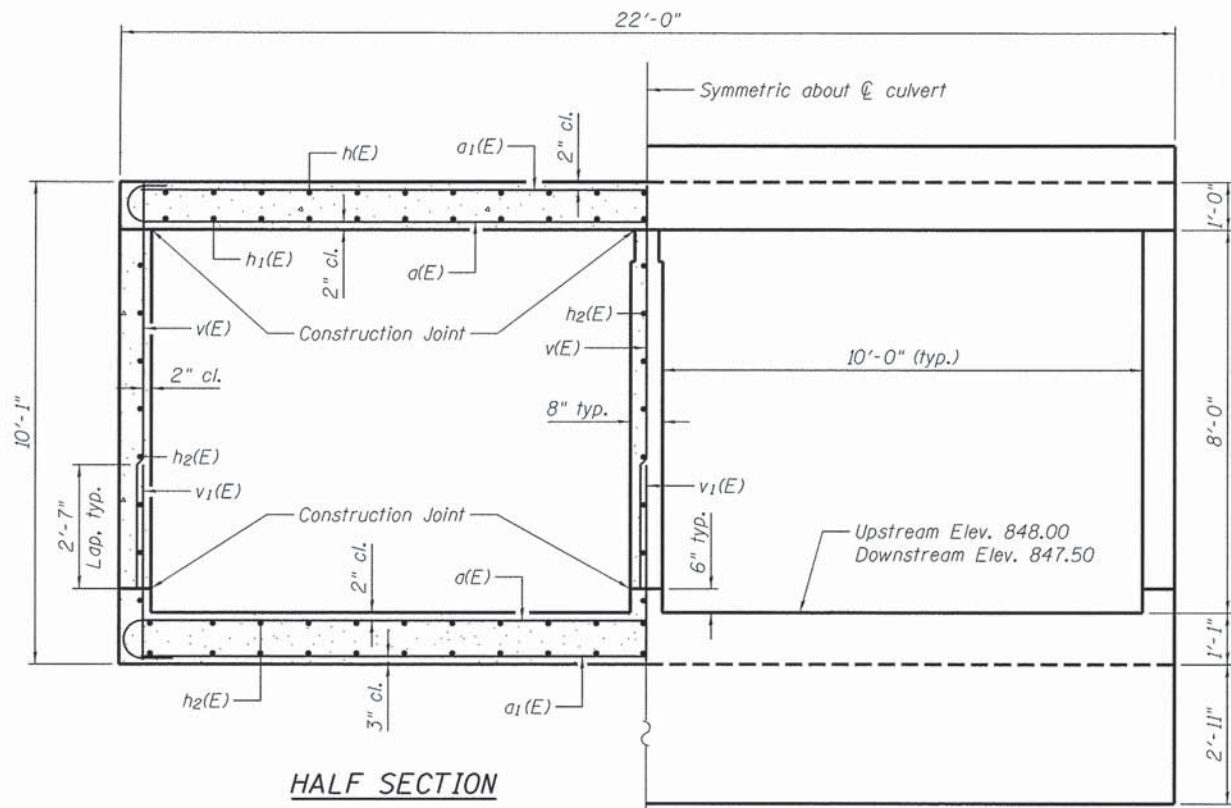
USER NAME = bpottorff	DESIGNED - ELN/MCC	REVISED - 9/23/15 MCC
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 9/29/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS
 STRUCTURE NO. 045-3185**

SHEET NO. 3 OF 8 SHEETS

C.J.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	47
			CONTRACT NO. 61B90	
ILLINOIS FED. AID PROJECT				



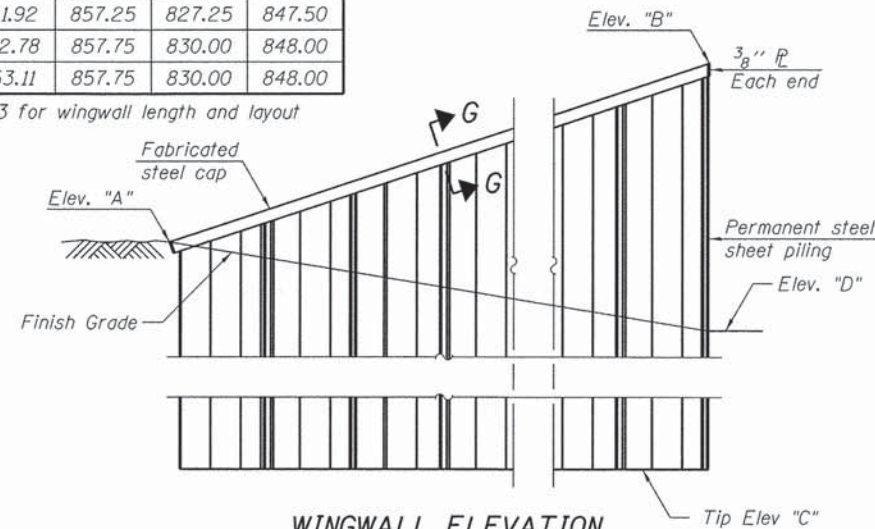
HALF SECTION THRU BARREL

HALF END ELEVATION

WINGWALL ELEVATIONS

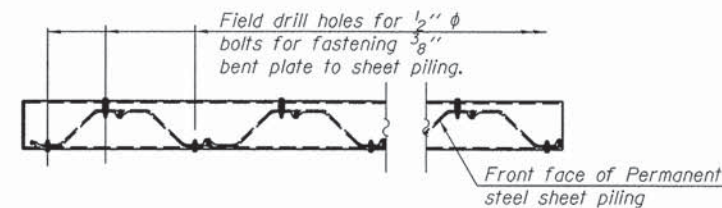
	Elev. "A"	Elev. "B"	Tip "C"	Elev. "D"
NE Wingwall	851.92	857.25	827.25	847.50
SE Wingwall	852.78	857.75	830.00	848.00
SW Wingwall	853.11	857.75	830.00	848.00

Refer to Sheet 3 for wingwall length and layout

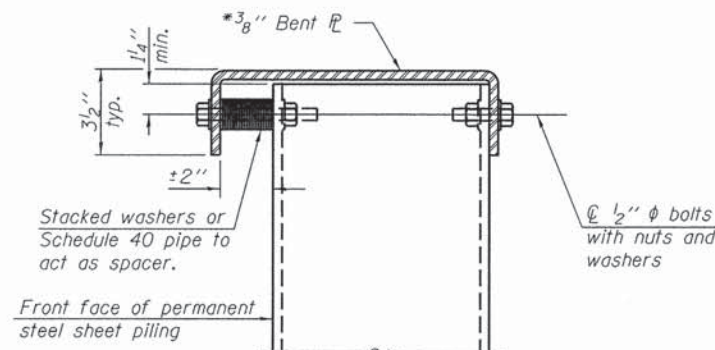


WINGWALL ELEVATION

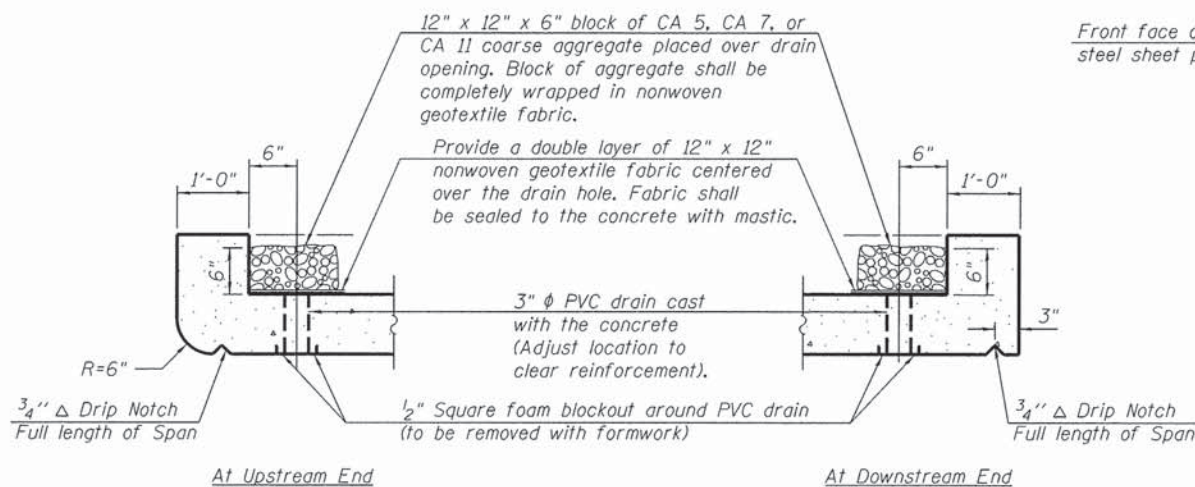
(For NE, SE, & SW Wingwalls)
 $S_x = 23.64 \text{ in}^3/\text{ft}$ (min section modulus)



WINGWALL PLAN

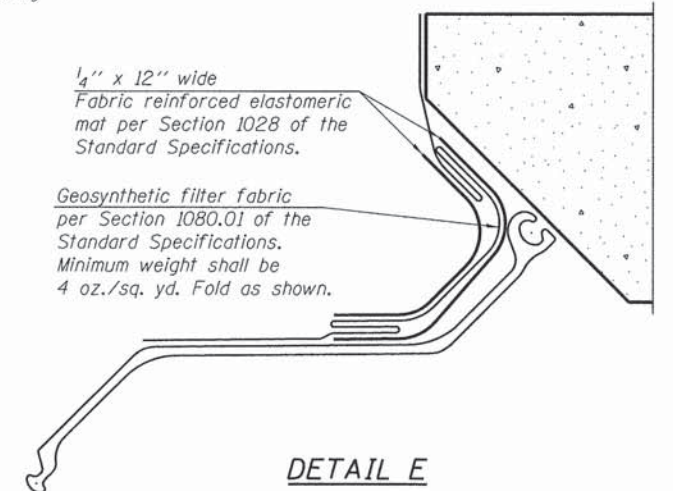


SECTION G-G
 *AASHTO M270 Grade 50W

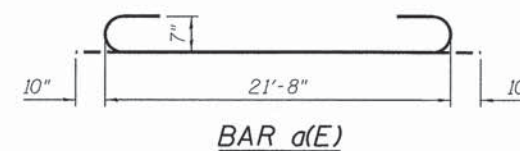


DRAIN DETAIL

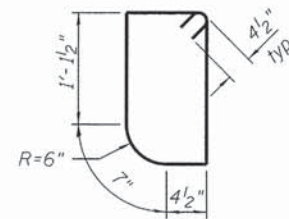
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for "Concrete Box Culverts".



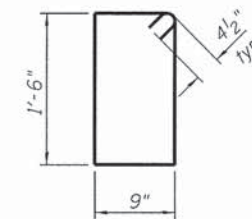
DETAIL E



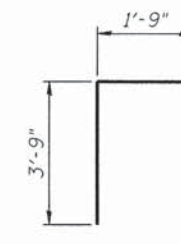
BAR a(E)



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.

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.

FILE NAME = W:\P\proj\2013\130148 - All in PDF\Needs\Structural\0404-04-04-Culvert-Wingwall.dgn
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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

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

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/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	NP	2			11	10	8	NP	14
		2	6	6	NP	4			12	8	10	NP	24
851.3	Medium stiff, dark brown CLAY LOAM, trace gravel	3	2	1	0.50	22							
850.1	Medium dense, gray, fine to coarse GRAVELLY SAND	4	6	7	NP	13			13	8	8	NP	12
		5	6	7	NP	18							
	--%Gravel=33.7-- --%Sand=61.3-- --%Silt=4.6-- --%Clay=0.3-- --A-1-b (0)--	6	3	4	NP	19			14	8	7	NP	16
		7	4	6	NP	22	816.1	Medium dense, gray SILT					
		8	6	8	NP	18			15	8	7	NP	22
		9	6	8	NP	21	811.1	Medium dense, gray SILTY LOAM with sand lenses and little gravel					
		10	6	8	NP	16			16	10	11	NP	12

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	04-23-2012	Complete Drilling	04-23-2012	While Drilling	8.00 ft	
Drilling Contractor	WTS	Drill Rig	Mobile B-57 TMR	At Completion of Drilling	18.00 ft	
Driller	R&N	Logger	B. Wilson	Time After Drilling	NA	
Drilling Method	3.25-IDA HSA; boring backfilled upon completion				Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

Wang Engineering
 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

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

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

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

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	04-23-2012	Complete Drilling	04-23-2012	While Drilling	8.00 ft	
Drilling Contractor	WTS	Drill Rig	Mobile B-57 TMR	At Completion of Drilling	18.00 ft	
Driller	R&N	Logger	B. Wilson	Time After Drilling	NA	
Drilling Method	3.25-IDA HSA; boring backfilled upon completion				Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

FILE NAME = W:\Projects\2013\130148 AllenRoad\11\Access\Structure\1\09\1\9453181-61B90-005-Soil Borings SB-01.dgn

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

USER NAME = nparr13	DESIGNED - ELN/MCC	REVISED -
CHECKED - AEU	REVISED -	
PLOT SCALE = #SCALE#	DRAWN - ELN/MCC	REVISED -
PLOT DATE = 7/31/2015	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
 STRUCTURE NO. 045-3185**

SHEET NO. 5 OF 8 SHEETS

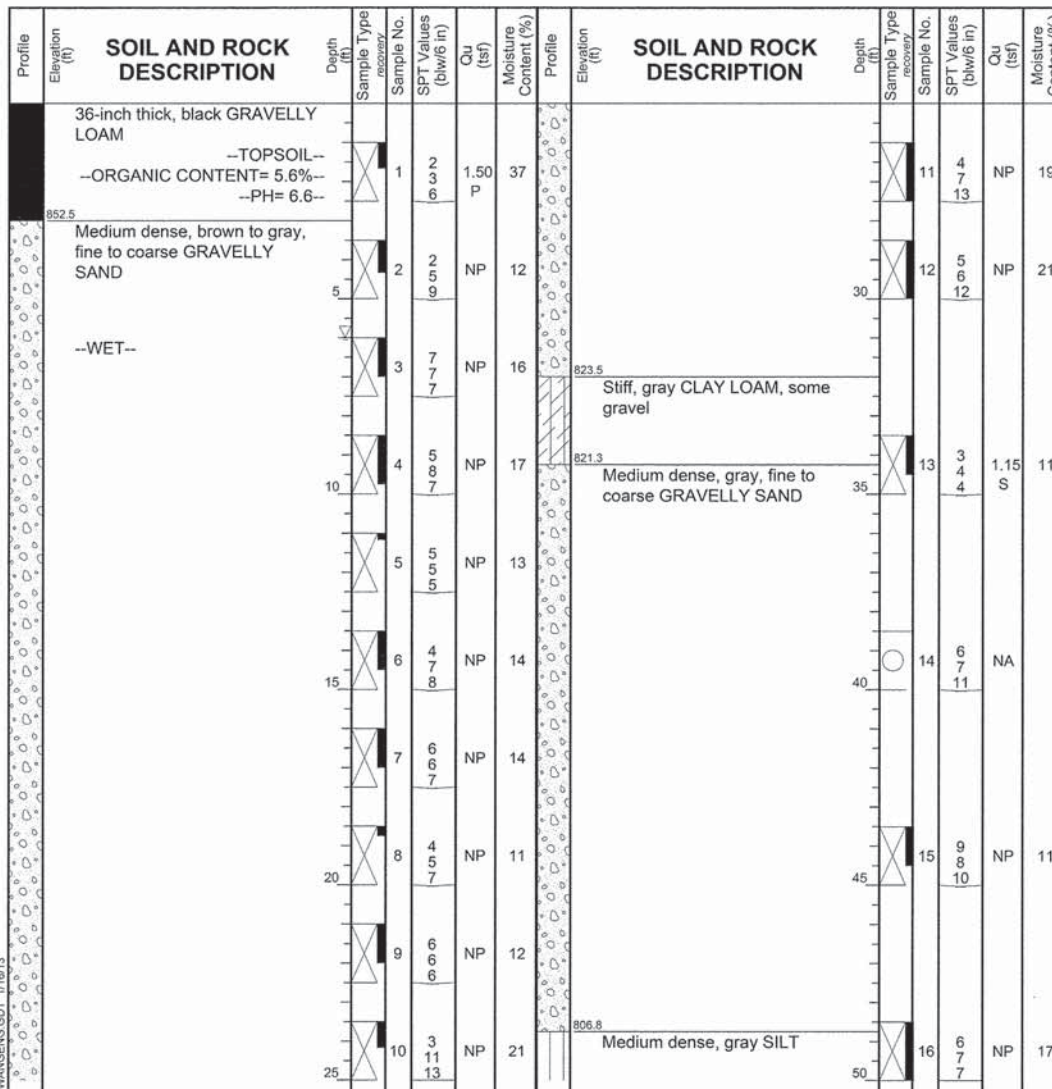
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	49
				CONTRACT NO. 61B90
ILLINOIS FED. AID PROJECT				

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

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

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



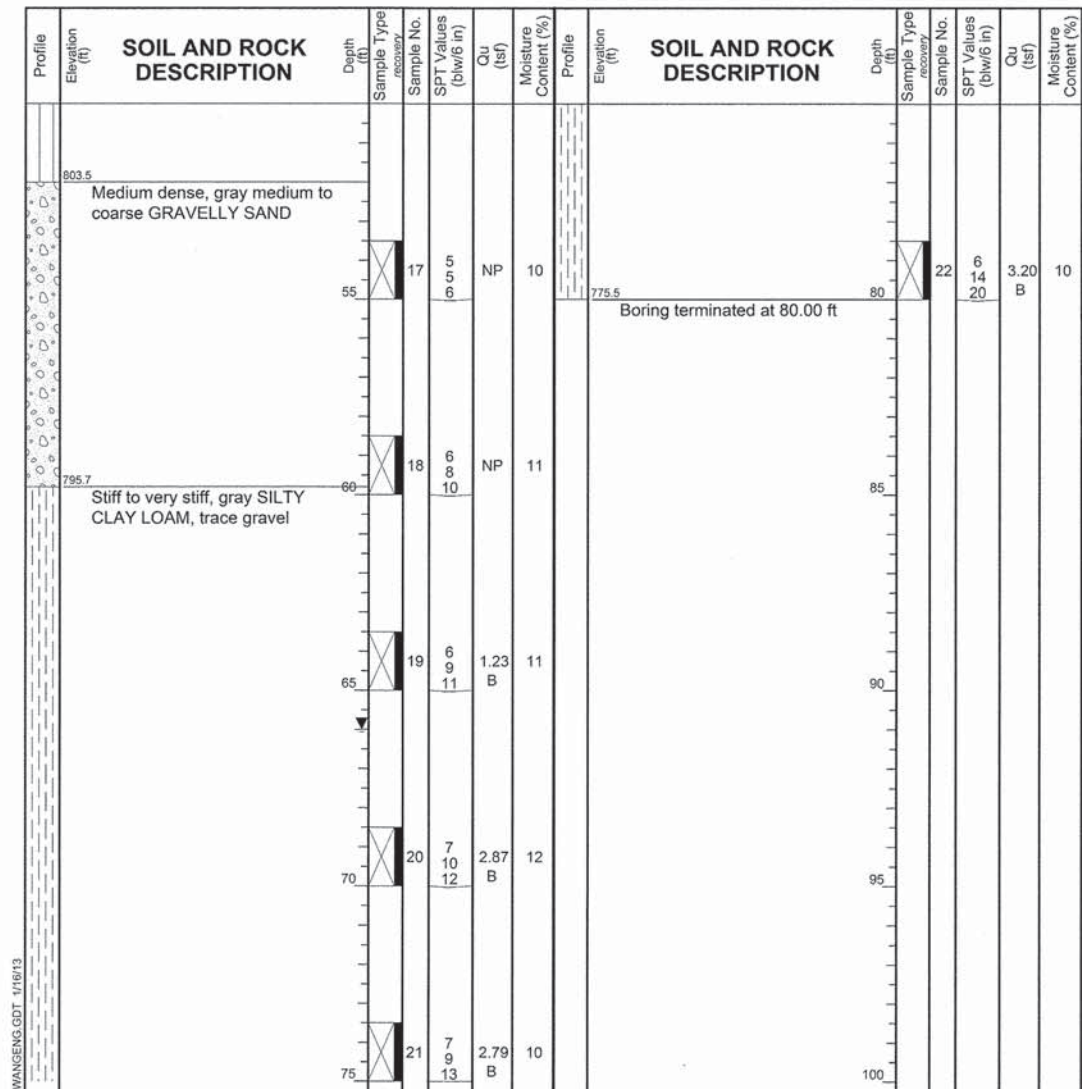
GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-24-2012	Complete Drilling	04-24-2012	While Drilling	6.00 ft
Drilling Contractor	WTS	Drill Rig	Mobile B-57 TMR	At Completion of Drilling	66.00 ft
Driller	R&N	Logger	B. Wilson	Time After Drilling	NA
Drilling Method	3.25-IDA HSA; boring backfilled upon completion				
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

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

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

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



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-24-2012	Complete Drilling	04-24-2012	While Drilling	6.00 ft
Drilling Contractor	WTS	Drill Rig	Mobile B-57 TMR	At Completion of Drilling	66.00 ft
Driller	R&N	Logger	B. Wilson	Time After Drilling	NA
Drilling Method	3.25-IDA HSA; boring backfilled upon completion				
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

FILE NAME = W:\Projects\2012\130149 AllenRoadPH1\NeedAStructure\Drawings\SB-02.dgn

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

USER NAME = nporris	DESIGNED - ELN/MCC	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 7/31/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
 STRUCTURE NO. 045-3185**

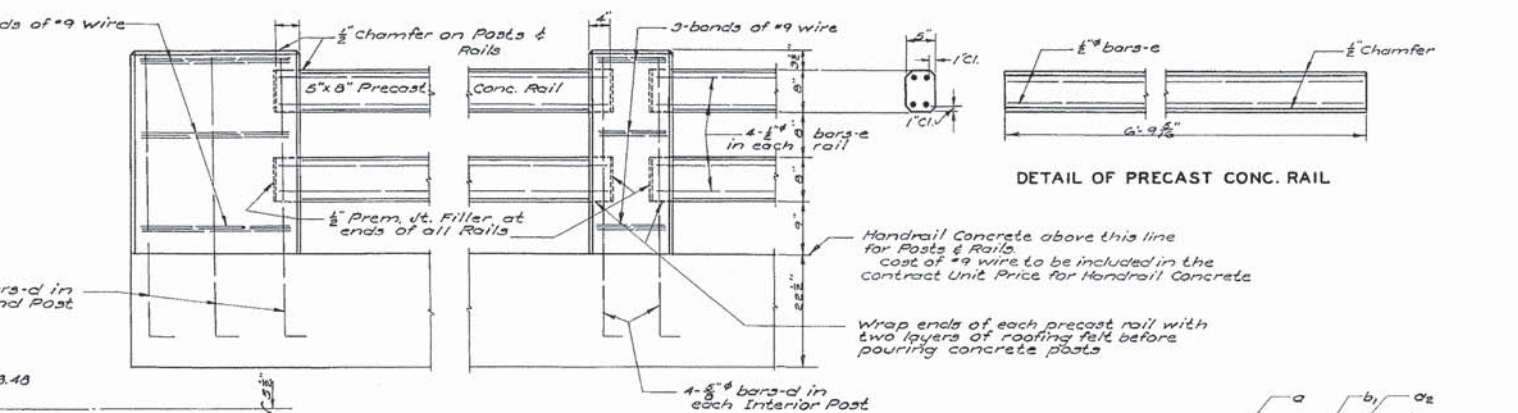
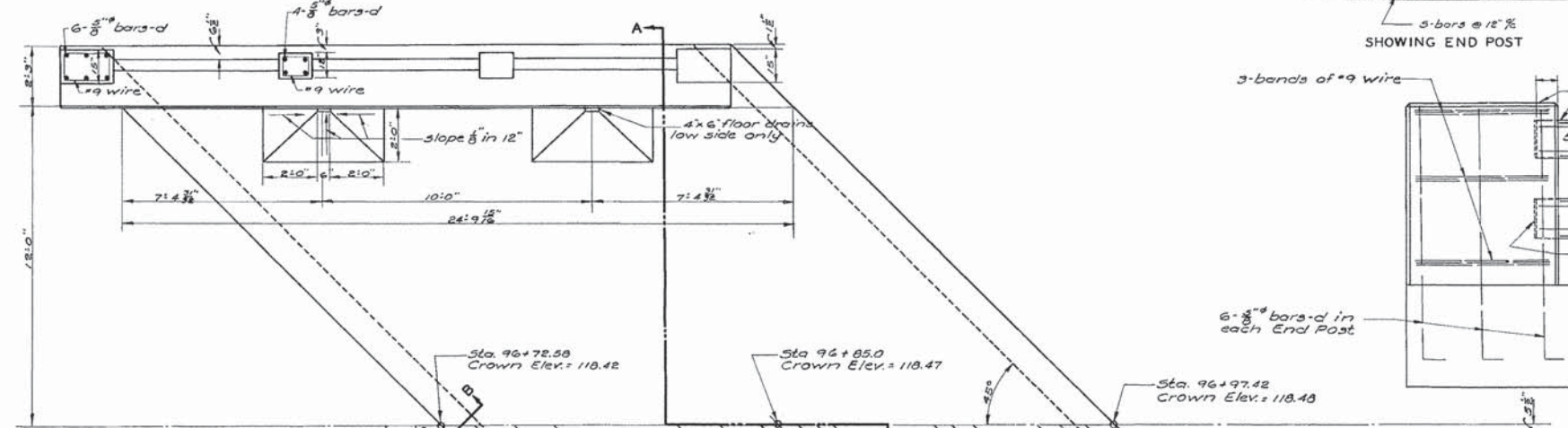
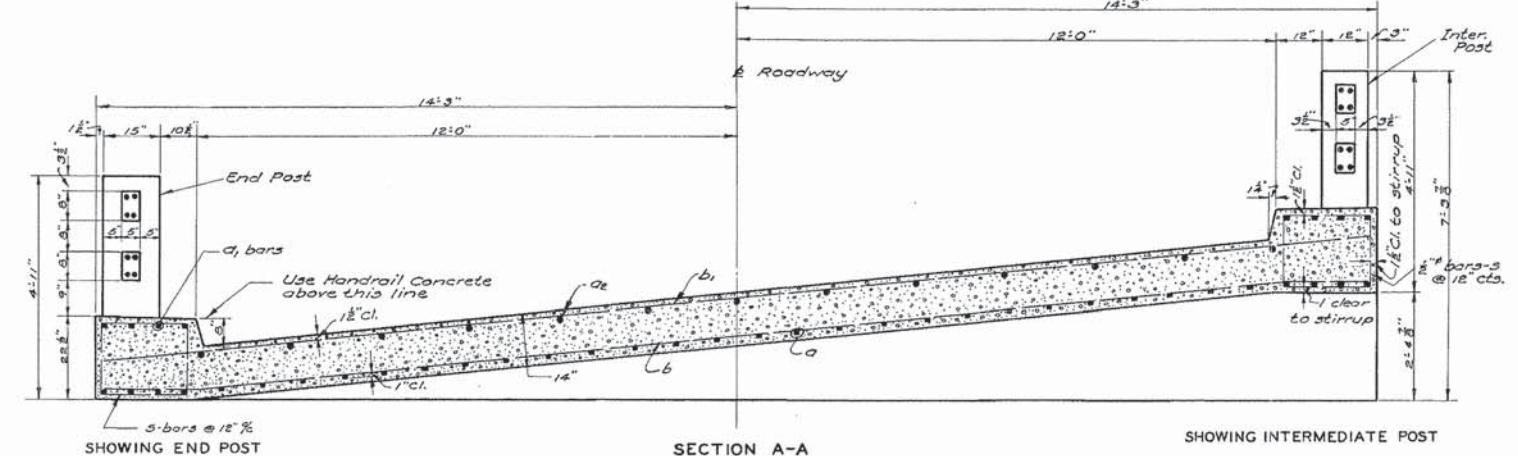
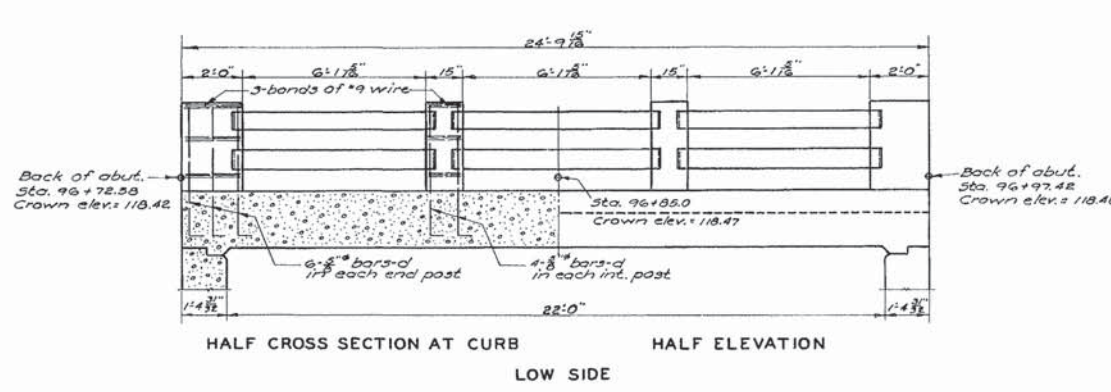
SHEET NO. 6 OF 8 SHEETS

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	50
CONTRACT NO. 61B90				
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. abut. with conc. slab + conc. fillings
 Existing Structure to be removed by Contractor

STATE OF ILLINOIS
 COUNTY OF KANE
 COUNTY HIGHWAY DEPARTMENT

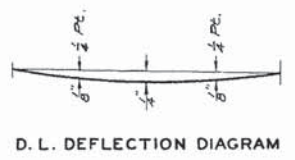
State and Route No.	Section	County	Total Sheets	Sheet No.
45	1320-NET	Kane	4	2



BILL OF MATERIAL - SUPER.

BAR NO.	SIZE	LENGTH
C1	3/4"	27'0"
C2	1"	24'6"
C3	1/2"	3'6"
b	3/8"	21'0"
b1	1/2"	21'0"
s	3/8"	7'6"
d	3/8"	5'0"
e	1/2"	6'6"

Class "X" Concrete - Cu. Yds. 37.7
 Handrail Conc. - Cu. Yds. 2.6
 Reinforcement Bars - Lbs. 6500
 Removal of Exist. Str. - Ea. One
 Name Plate - Ea. One



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. 6500	5815	12,315
Name Plate	One		One

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.

Preformed 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. 613 (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.

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

EXISTING PLANS FOR REFERENCE ONLY

FILE NAME = W:\P\projects\2013\130148 - All in PH\1\Need\Structural\Plans\Drawn - Existing Structural Plans.dgn
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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

USER NAME = nparris
 DESIGNED - ELN/MCC
 CHECKED - AEU
 DRAWN - ELN/MCC
 REVISIONS -
 PLOT SCALE = #SCALE#
 PLOT DATE = 7/31/2015

DESIGNED - ELN/MCC
 CHECKED - AEU
 DRAWN - ELN/MCC
 REVISIONS -

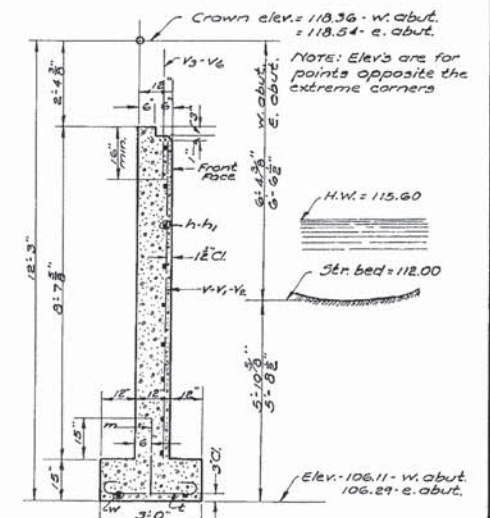
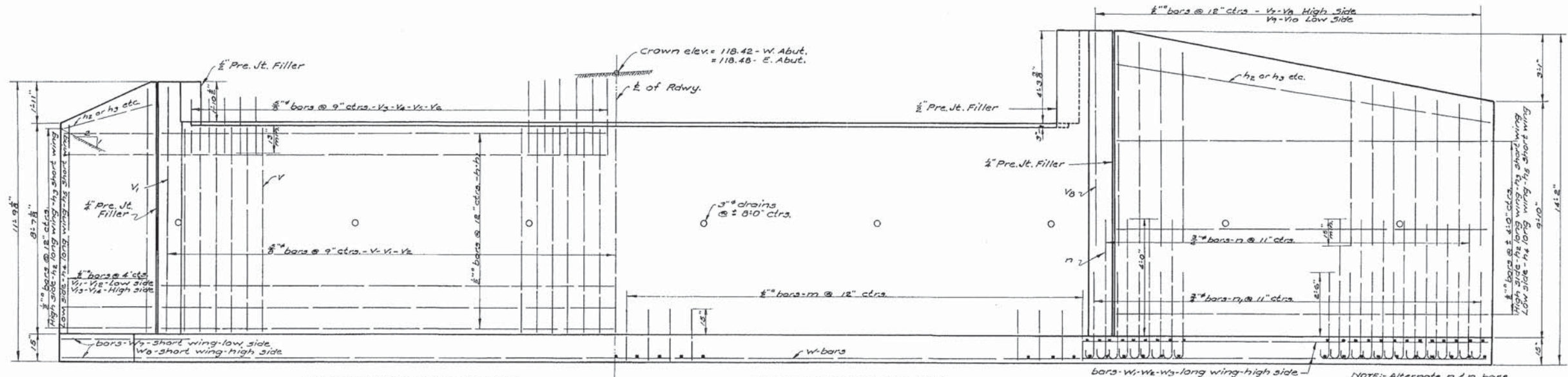
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS
 SHEET NO. 7 OF 8 SHEETS

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

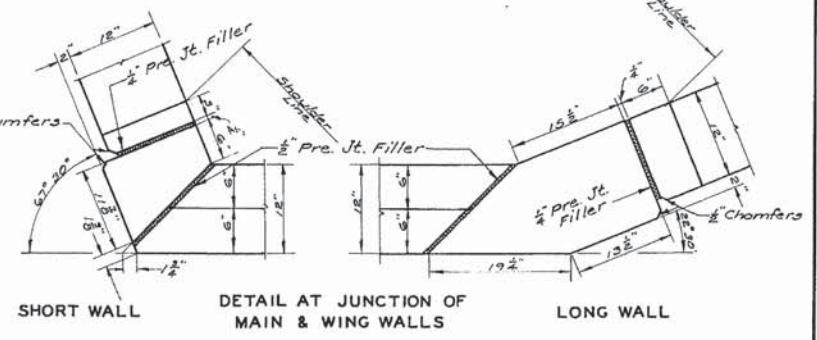
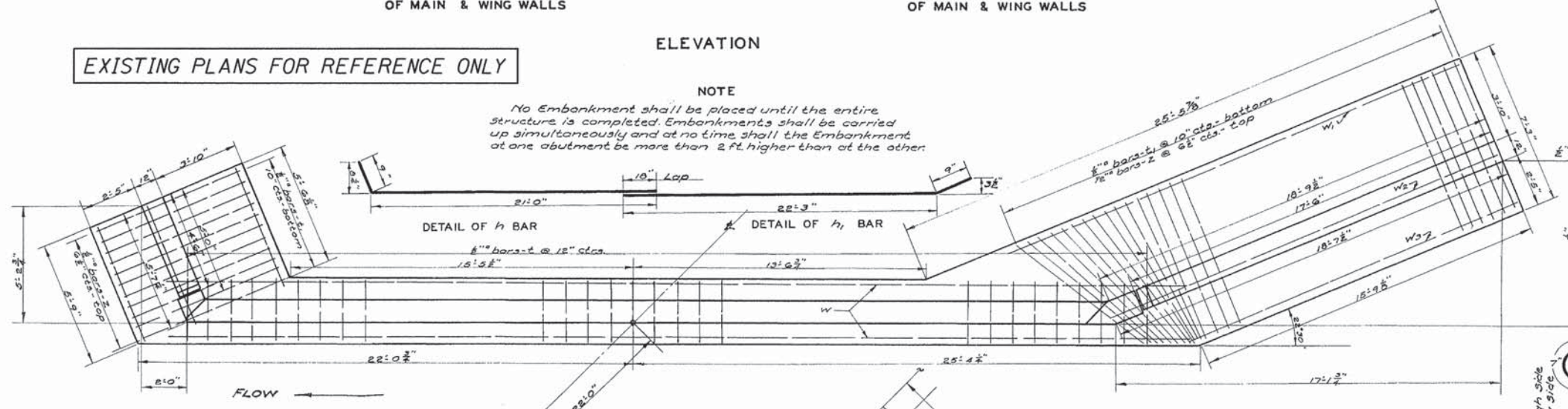
CONTRACT NO. 61B90
 ILLINOIS FED. AID PROJECT

State Aid Route No.	Section	County	Total Sheets	Sheet No.
45	13B1-M.R.	Kane	4	3



EXISTING PLANS FOR REFERENCE ONLY

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"	21'9"	V ₂	3	1/2"	10'0"
h ₁	19	1/2"	23'0"	V ₃	3	1/2"	9'0"
h ₂	15	1/2"	17'0"	V ₄	4	1/2"	12'6"
h ₃	15	1/2"	6'6"	m	26	1/2"	2'3"
h ₄	12	1/2"	10'9"	n	32	3/4"	6'9"
h ₅	12	1/2"	4'0"	n ₁	40	3/4"	5'3"
V	114	3/8"	8'0"	t	80	1/2"	4'3"
V ₁	2	3/8"	10'0"	t ₁	65	1/2"	7'6"
V ₂	2	3/8"	12'6"	Z	98	1/2"	7'0"
V ₃	30	3/8"	3'0"	W	8	1/2"	23'0"
V ₄	30	3/8"	3'9"	W ₁	2	1/2"	22'10"
V ₅	20	3/8"	4'3"	W ₂	2	1/2"	19'0"
V ₆	30	3/8"	3'0"	W ₃	2	1/2"	16'0"
V ₇	14	1/2"	8'6"	W ₄	2	1/2"	16'0"
V ₈	14	1/2"	10'0"	W ₅	2	1/2"	13'10"
V ₉	10	1/2"	6'9"	W ₆	2	1/2"	10'0"
V ₁₀	10	1/2"	7'9"	W ₇	2	1/2"	5'6"
V ₁₁	2	1/2"	8'6"	W ₈	6	1/2"	8'0"

Class X Concrete Cu. Yds. 71.4
Reinforcement Bars Lbs. 5815

BORING DATA

Boring data are shown on the plans only as a guide to bidders in estimating soil conditions which may be encountered in the work.

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

FILE NAME = W:\Projects\2013\130148 - Allam\PH\Needs\Structural\Drawn\Existing Structural Plans.dgn

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

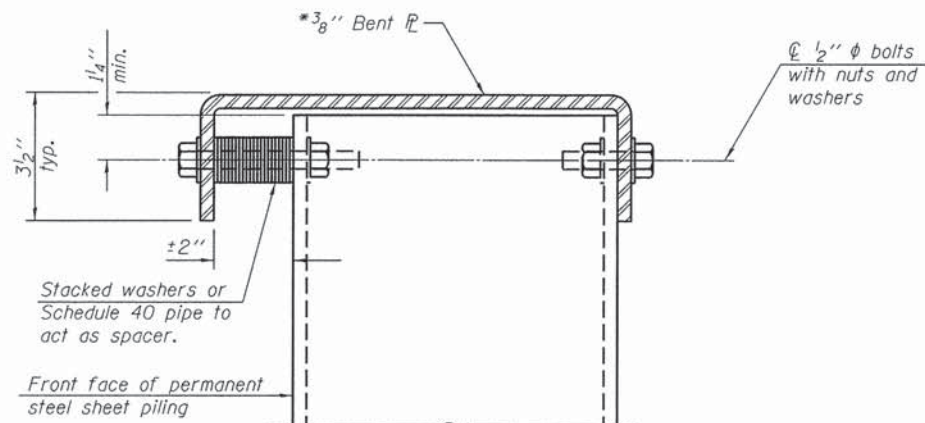
USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 7/31/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS
SHEET NO. 8 OF 8 SHEETS

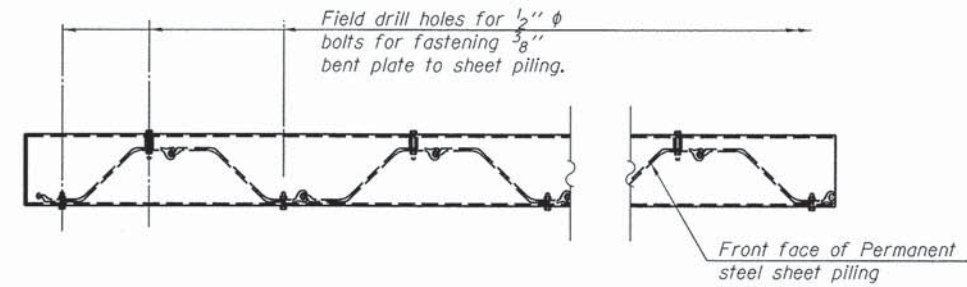
C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	52
				CONTRACT NO. 61B90
ILLINOIS FED. AID PROJECT				

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



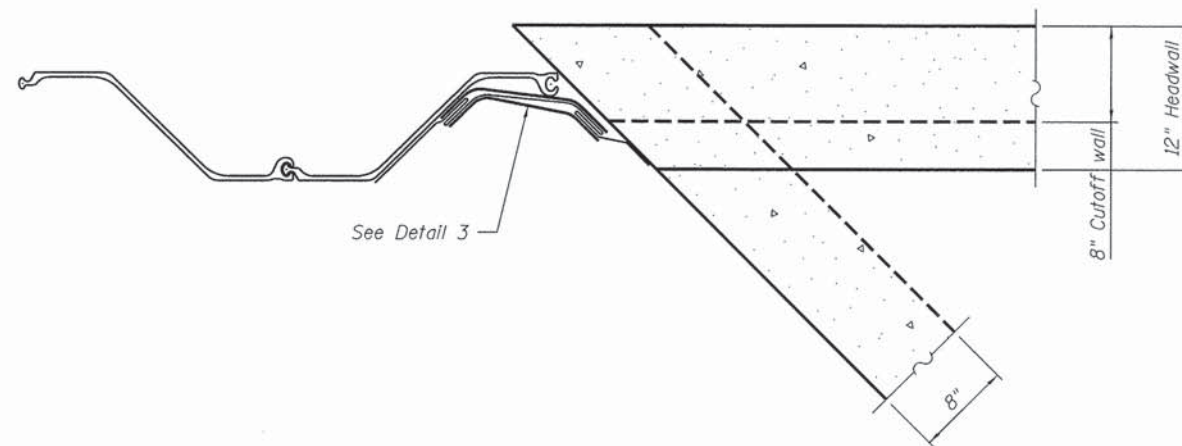
DETAIL 1

*AASHTO M270 Grade 50W

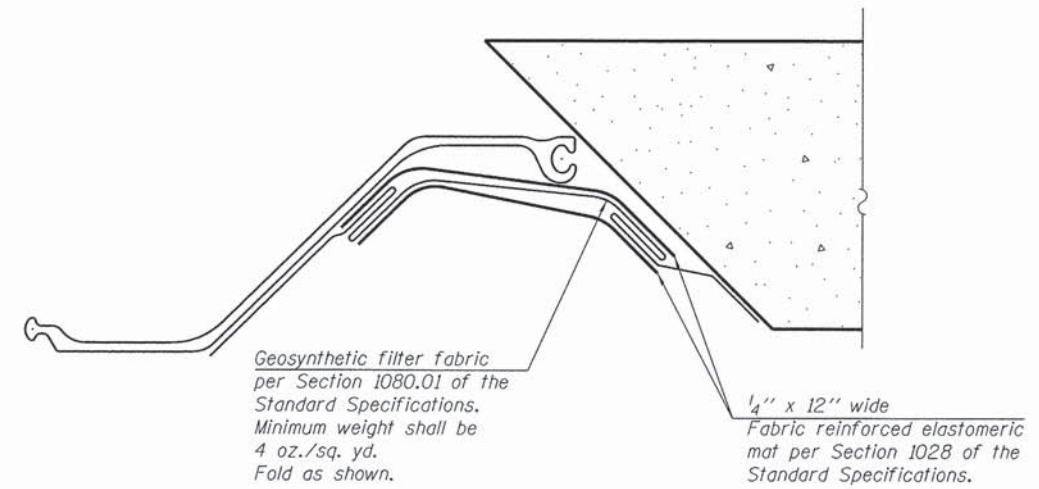


SHEET PILING WALL PLAN

Showing connection of fabricated steel cap to Permanent 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 - Allentown\cadd\Struct\1022-SheetPilingWall1.dgn

USER NAME = nperris	DESIGNED - ELN/MCC	REVISED -
PLDT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLDT DATE = 7/31/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	54
CONTRACT NO. 61B90				
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:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
852.53	852.53-inch thick, black SILTY CLAY LOAM												
	--TOPSOIL--												
	Loose, brown LOAM, some gravel	1	2		NP	13							
	--FILL--												
849.8	Medium dense, brown to gray, fine to coarse GRAVELLY SAND	5	2	5	NP	9							
	--Wet--												
		7	7	10	NP	11							
		10	6	7	NP	11							
		12	12	10	NP	16							
		15	8	12	NP	12							
		20	6	9	NP	10							
832.8			10	8	NP	10							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-10-2014	Complete Drilling	04-10-2014	While Drilling	▽	5.50 ft	
Drilling Contractor	WTS	Drill Rig	Diedrich D-25 ATV	At Completion of Drilling	▽	6.00 ft	
Driller	N&J	Logger	F. Bozga	Checked by	B. Wilson	Time After Drilling	NA
Drilling Method	2.25" HSA, 2.5' interval, boring backfilled upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 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:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
852.44	852.44-inch thick, black SILTY CLAY LOAM												
	--TOPSOIL--												
	Stiff, brown SILTY CLAY LOAM, trace gravel	1	2		1.64	14							
	--FILL--												
847.3	Medium dense, brown to gray, fine to coarse GRAVELLY SAND	5	2	3	1.00	18							
	--Wet--												
		4	4	8	NP	10							
		10	4	6	NP	10							
		15	9	9	NP	16							
		20	6	8	NP	21							
832.8			12	10	NP	16							
			4	5	NP	17							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-10-2014	Complete Drilling	04-10-2014	While Drilling	▽	5.50 ft	
Drilling Contractor	WTS	Drill Rig	Diedrich D-25 ATV	At Completion of Drilling	▽	6.00 ft	
Driller	N&J	Logger	F. Bozga	Checked by	B. Wilson	Time After Drilling	NA
Drilling Method	2.25" HSA, 2.5' interval, boring backfilled upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

FILE NAME = W:\Projects\2013\130148 AllenRoadPHII\Acadd\Struc\Borings RW-01-02.dgn

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

USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 7/31/2015	DRAWN - ELN/MCC	REVISED -
	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. 61B90				
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-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:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/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-- --Wet-- --(3) PID= 0.3 ppm-- --(4) PID= 0.2 ppm--	2		6 11 14		NP	6								
		3		10 12 14		NP	9								
		4		7 12 14		NP	9								
		5		19 12 12		NP	9								
		6		10 14 15		NP	12								
		7		10 11 10		NP	15								
		8		10 12 10		NP	12								
833.4	Boring terminated at 20.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-09-2014	Complete Drilling	04-09-2014	While Drilling	▽	5.00 ft	
Drilling Contractor	WTS	Drill Rig	Diedrich D-25 ATV	At Completion of Drilling	▽	6.00 ft	
Driller	N&J	Logger	F. Bozga	Checked by	B. Wilson	Time After Drilling	NA
Drilling Method	2.25" HSA, 2.5' interval, boring backfilled upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/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 --Wet--	2		4 10 13		NP	9								
		3		8 10 10		NP	9								
		4		8 11 11		NP	9								
		5		7 11 11		NP	14								
		6		9 13 16		NP	19								
		7		5 9 10		NP	10								
		8		15 15 16		NP	13								
833.5	Boring terminated at 20.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-10-2014	Complete Drilling	04-10-2014	While Drilling	▽	5.00 ft	
Drilling Contractor	WTS	Drill Rig	Diedrich D-25 ATV	At Completion of Drilling	▽	6.00 ft	
Driller	N&J	Logger	F. Bozga	Checked by	B. Wilson	Time After Drilling	NA
Drilling Method	2.25" HSA, 2.5' interval, boring backfilled upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

FILE NAME = W:\Projects\2013\130149 AllenRoadPhaseII\Access\AS\Drawings\Borings_RW-03-04.dgn



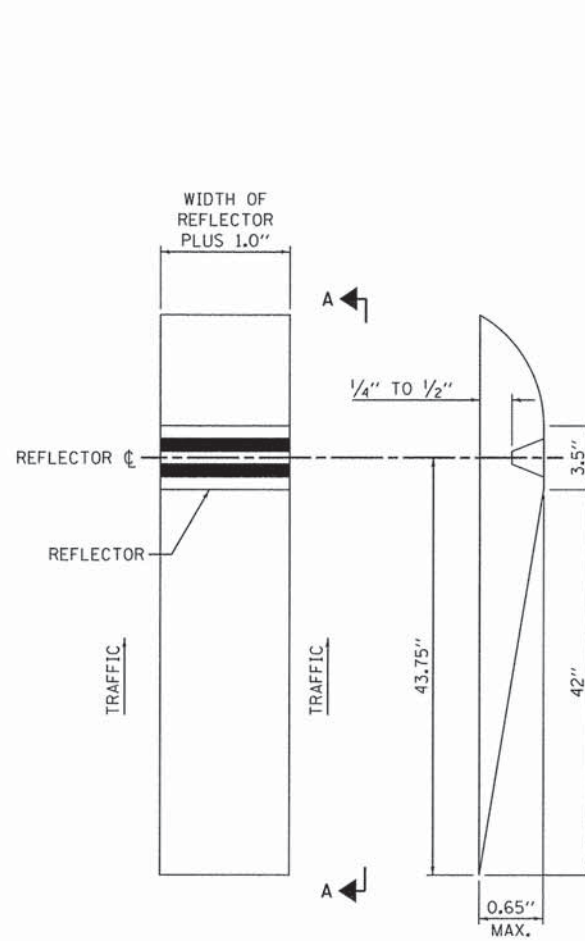
USER NAME = nparris	DESIGNED - ELN/MCC	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 7/31/2015	DRAWN - ELN/MCC	REVISED -
	CHECKED - AEU	REVISED -

**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. 61B90				
ILLINOIS FED. AID PROJECT				

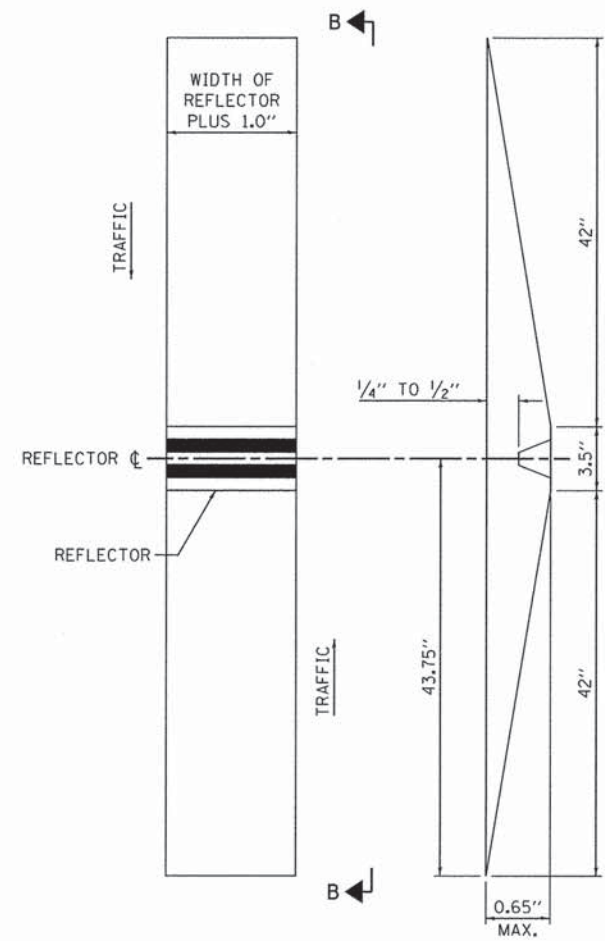


PLAN VIEW SECTION A-A

ONE-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.



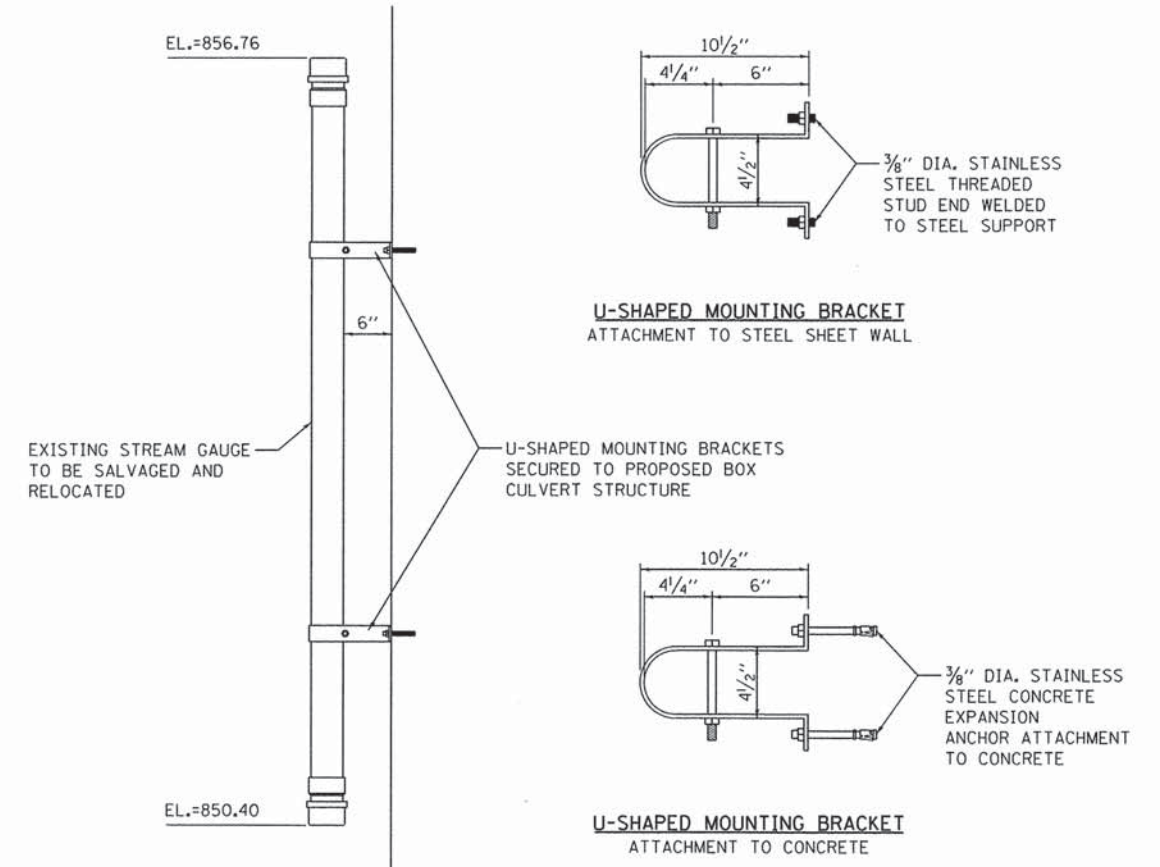
PLAN VIEW SECTION B-B

TWO-WAY RECESSED REFLECTIVE PAVEMENT MARKER

GENERAL NOTES:

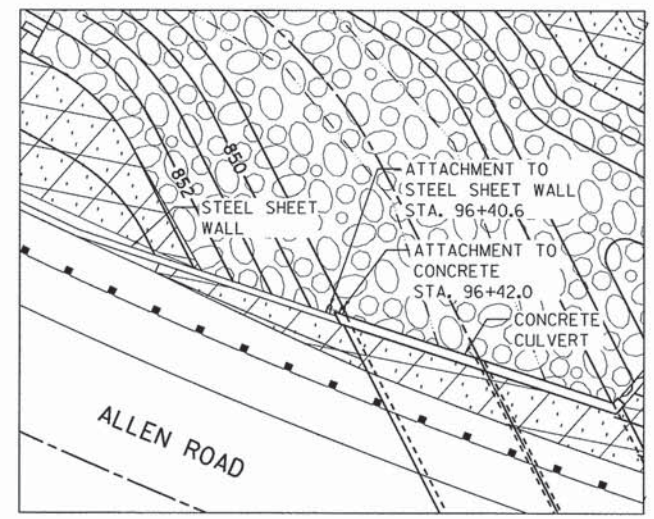
1. INSTALLATION SHALL CONFORM TO THE LATEST VERSION OF DISTRICT ONE DETAL TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTENT) FOR MARKER REPLACEMENT ONLY.
2. ANY REFERENCE TO RAISED REFLECTIVE PAVEMENT MARKER IN DISTRICT ONE DETAL TC11 SHALL BE INTERPRETED TO MEAN RECESSED REFLECTIVE PAVEMENT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

RECESSED REFLECTIVE PAVEMENT MARKERS



STREAM GAUGE

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 TO HAVE THE GAUGE SALVAGED AND RELOCATED AS PART OF THIS PROJECT. SEE SPECIAL PROVISION FOR "STREAM GAUGE" FOR ADDITIONAL INFORMATION.



STREAM GAUGE MOUNTING LOCATION TO BE VERIFIED BY THE KANE COUNTY DEPARTMENT OF ENVIRONMENTAL AND BUILDING MANAGEMENT PRIOR TO INSTALLATION.

FILE NAME = W:\Projects\2015\130149 AllenRd\Plan\Needs\Civil\Drawn\Sht\DT_PMT MARKER.dgn

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

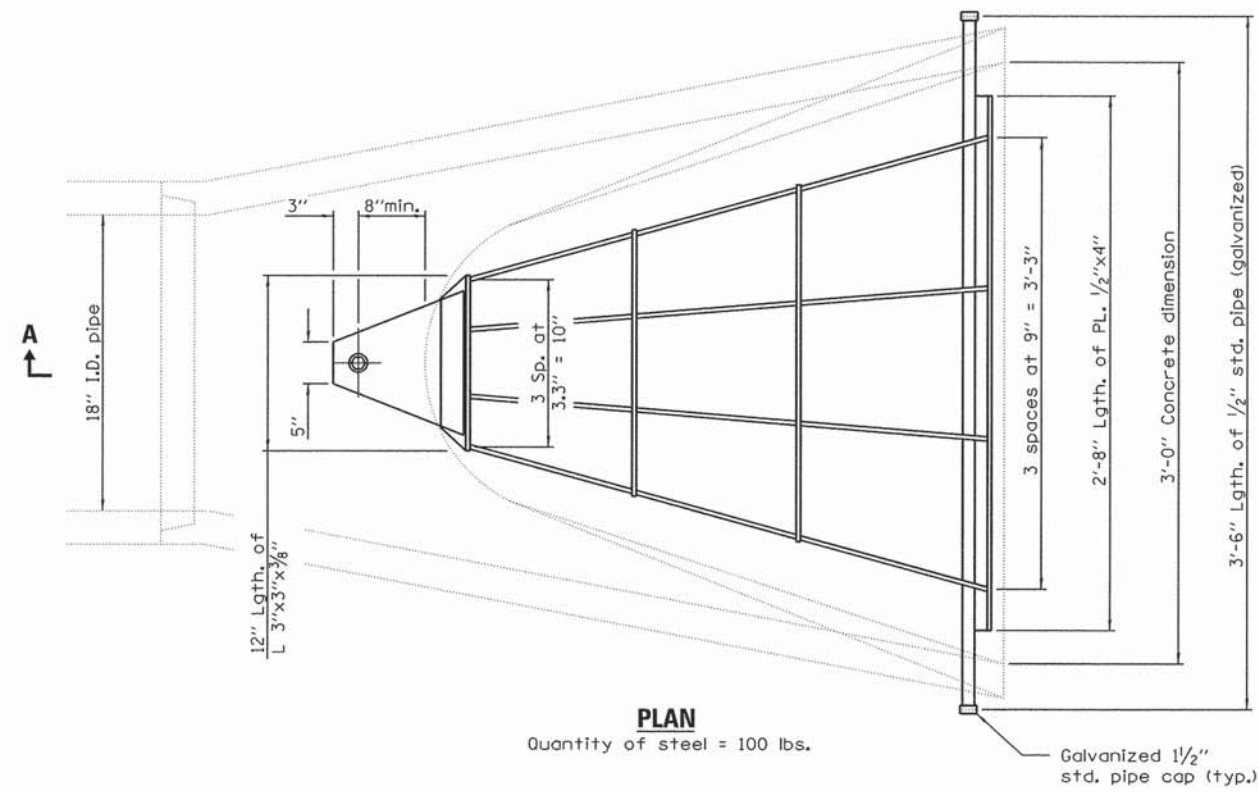
USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL DETAILS

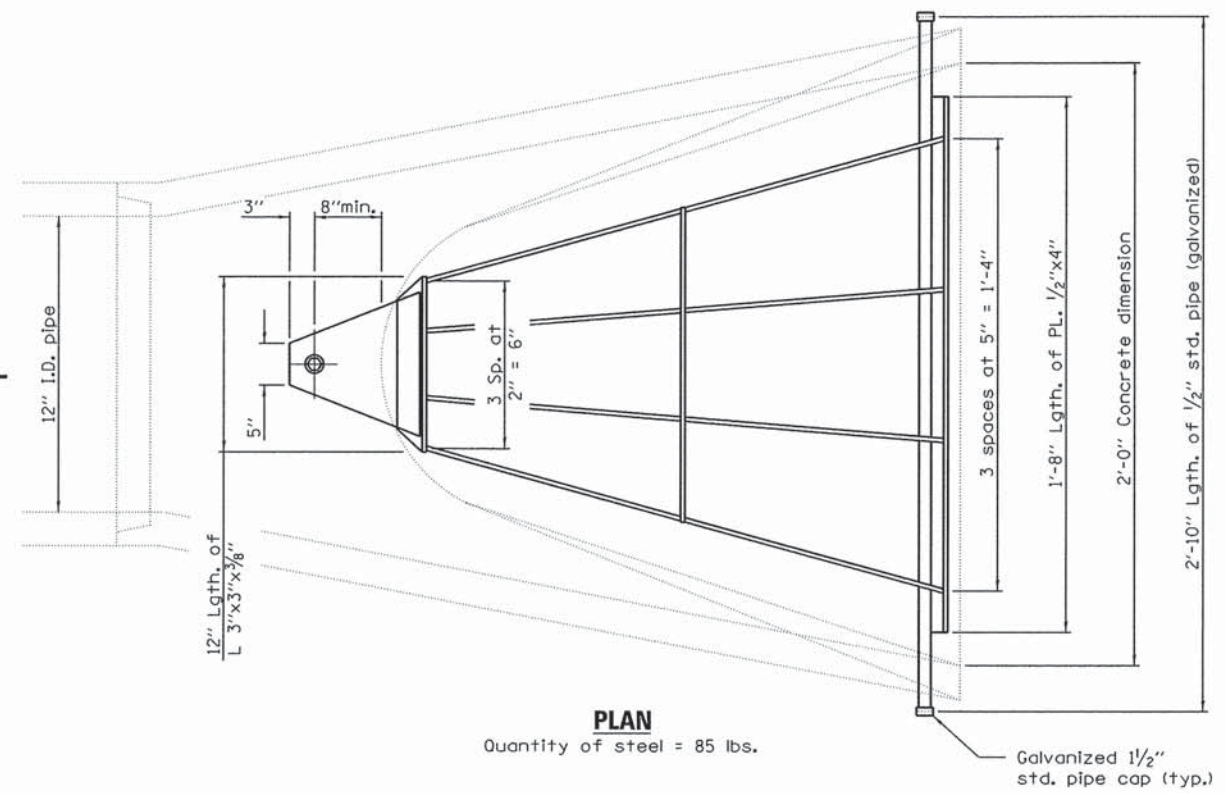
SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	57
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



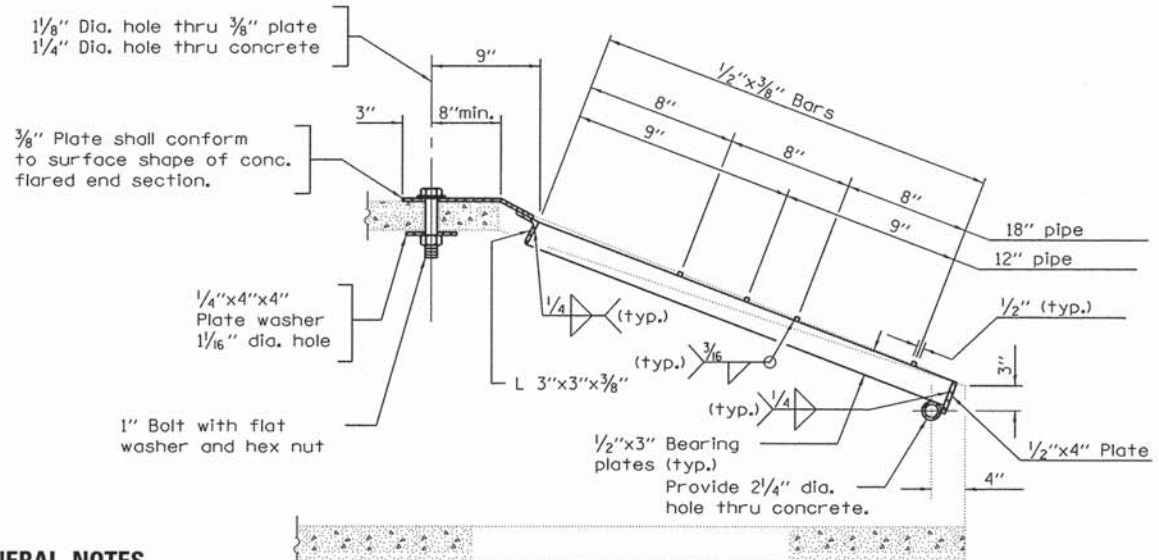
PLAN
Quantity of steel = 100 lbs.

Galvanized 1/2" std. pipe cap (typ.)



PLAN
Quantity of steel = 85 lbs.

Galvanized 1/2" std. pipe cap (typ.)



SECTION A-A

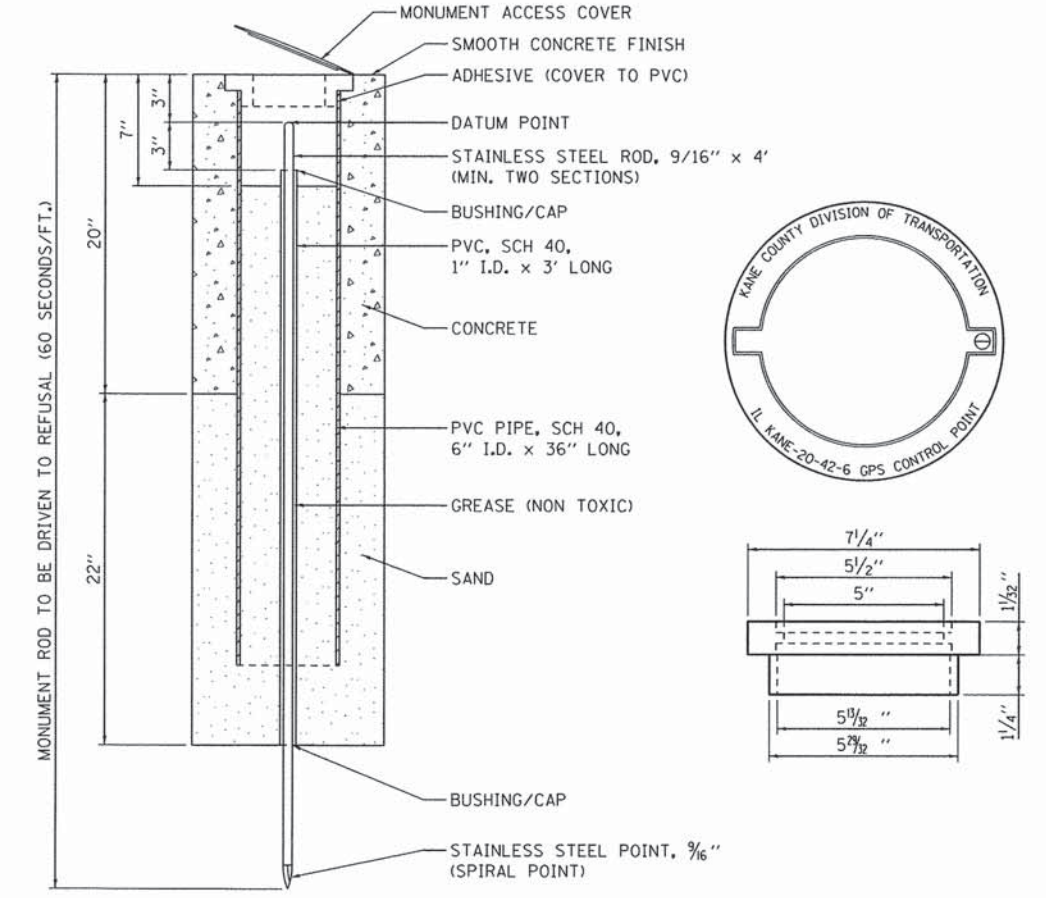
GRATING FOR 12" AND 18" PRECAST REINFORCED CONCRETE FLARED END SECTION

GENERAL NOTES

Grating details shown are intended for use with particular sizes of precast reinforced concrete flared end sections as shown on standards 542301.

Approximate quantity of steel shown includes total quantity of grating, bolts, nuts, washers and steel pipe.

Holes in the precast concrete flared end sections shall be cored to the diameters noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.



PERMANENT SURVEY MONUMENT DETAIL

FILE NAME = W:\P\projects\2013\130140 - All\epd\p\1\Needs\Civil\Drawings\DT_GRADE.dgn

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60114

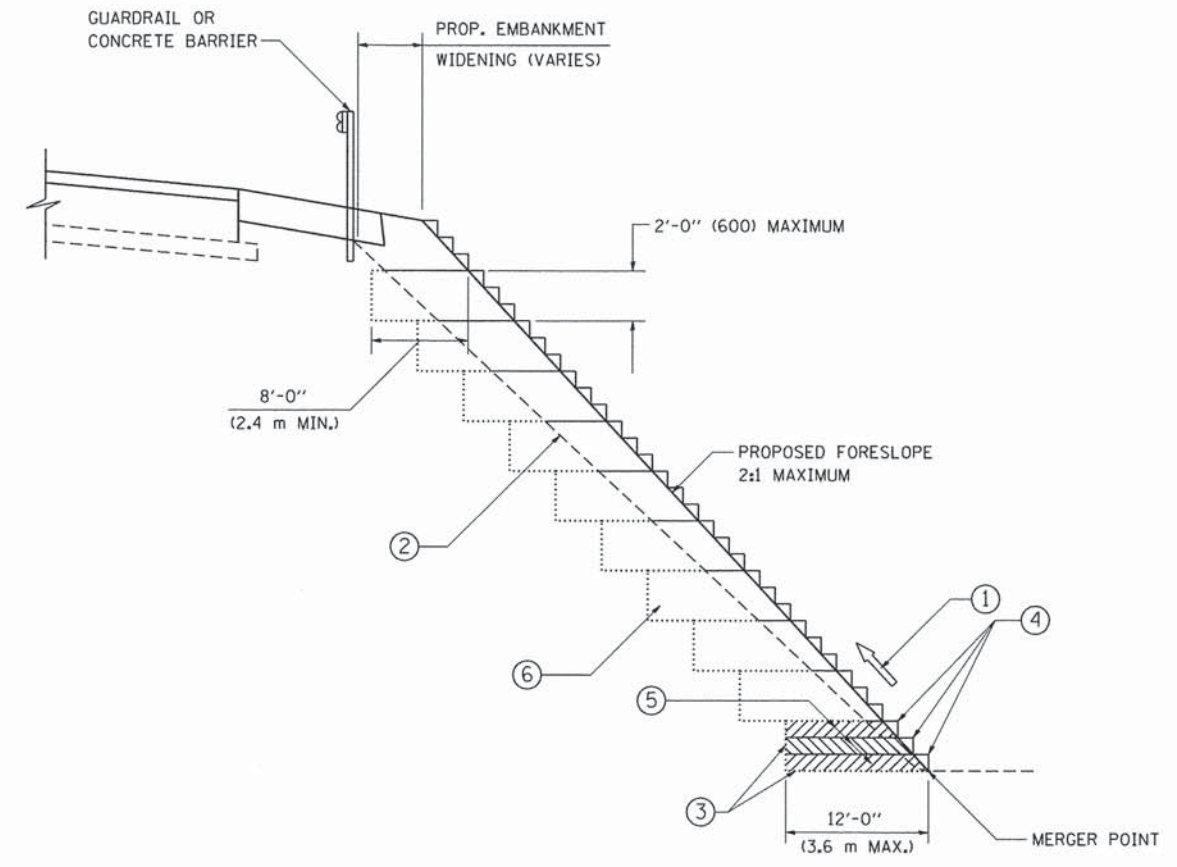
USER NAME = nper118	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL DETAILS

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	58
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				



**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.

FILE NAME = W:\Projects\2013\130140 Allandale\PH1\Acadd\Civil\Drawings\DT_01-BD51.dgn

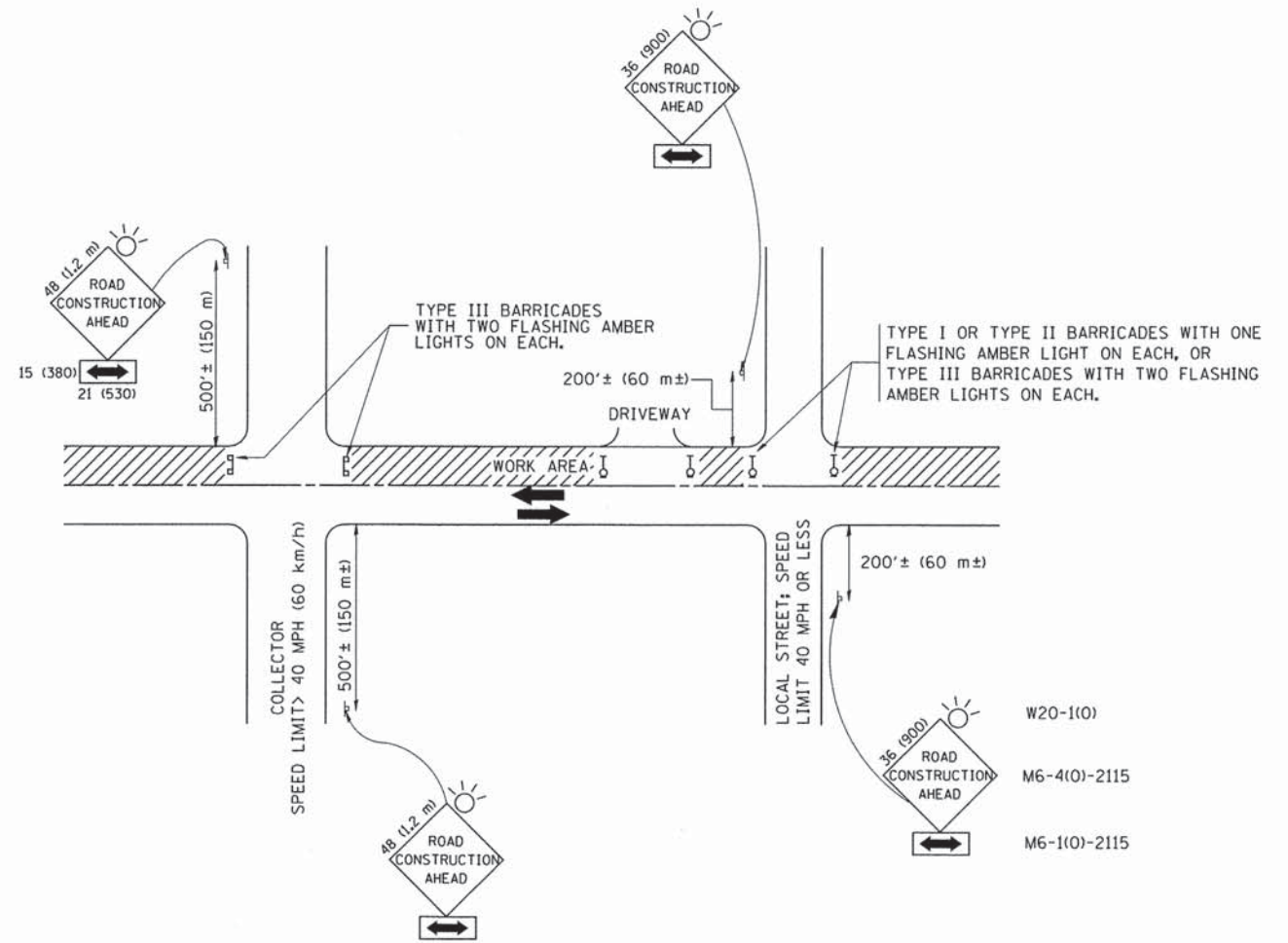
FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = geglionbt	DESIGNED -	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - S.E.B.	DRAWN - CADD	REVISED -
PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISIONS	REVISED -

**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	59
BD-51			CONTRACT NO. 61B90	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = W:\Pr-jmsta\2013\130148 AllamRdPHI\Needd\Civil\Ogn\Shet\DT-DI-TC10.dgn



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

NOTES:

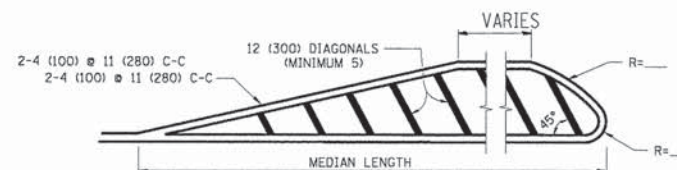
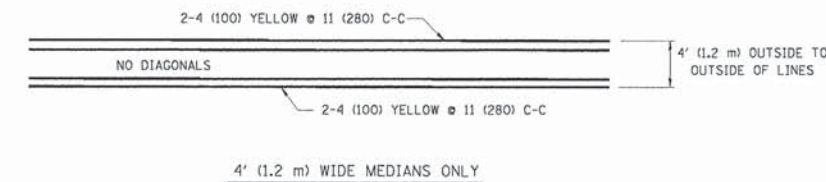
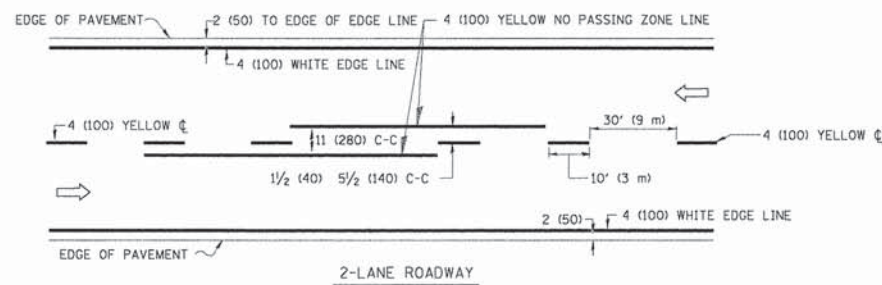
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

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

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = goglionobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		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

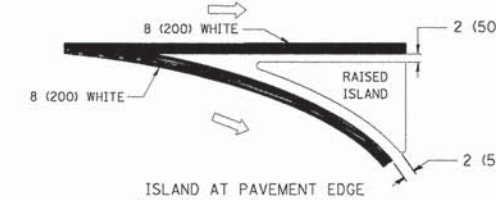
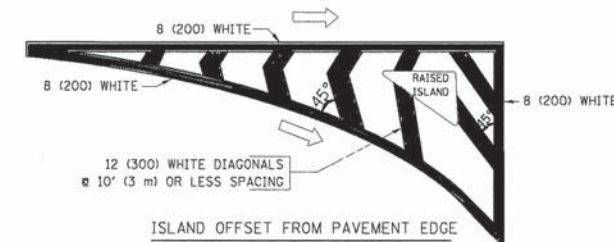
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	45	11-00132-01-BR	KANE	84	60
STA. TO STA.	TC-10		CONTRACT NO. 61B90			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

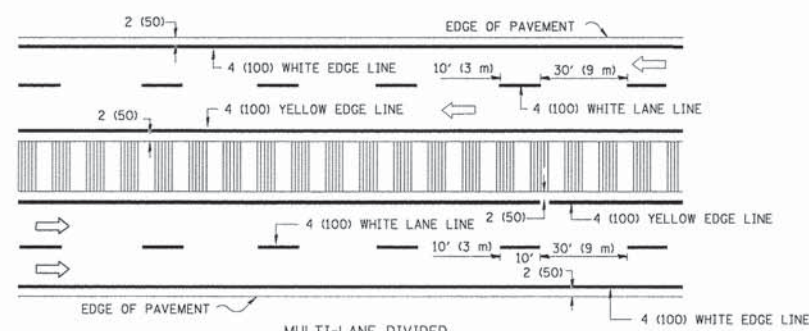
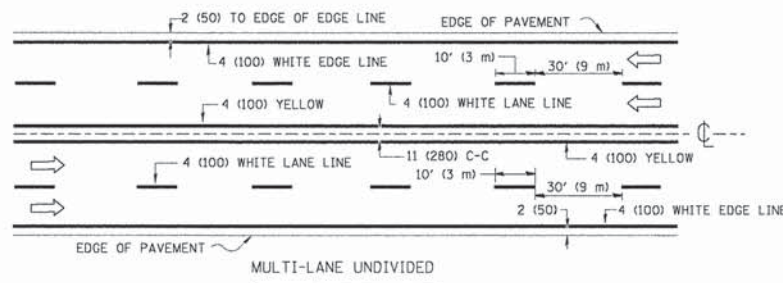


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

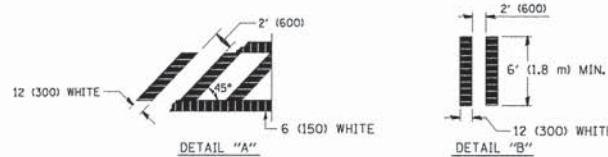
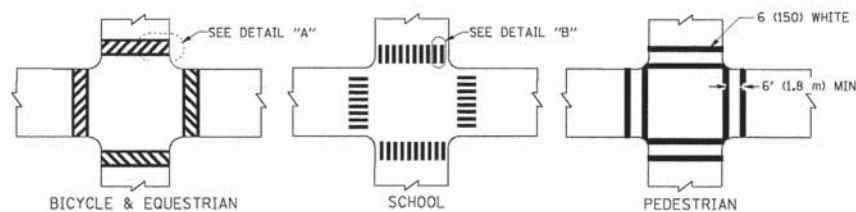


TYPICAL ISLAND MARKING

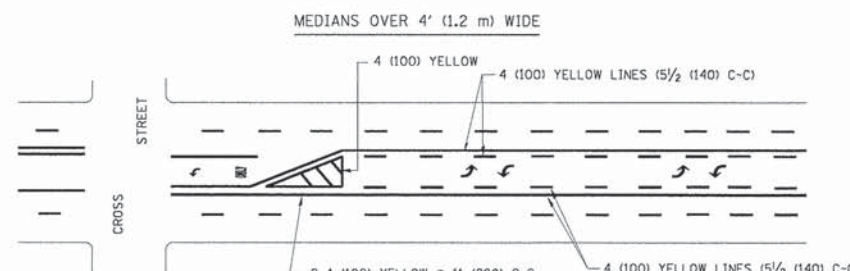


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

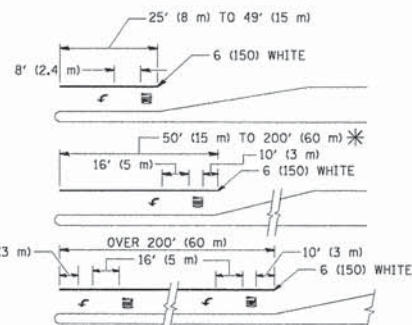


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



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

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE 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.

FILE NAME = \\p\projects\2013\130146 Allentown\1\roads\Civil\Drawings\TC1.dgn

FILE NAME = \\p\projects\2013\130146 Allentown\1\roads\Civil\Drawings\TC1.dgn	USER NAME = drsvakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED -
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	61
TC-13		CONTRACT NO. 61B90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROUTE MARKERS

FOR U.S. ROUTES
MI-40-2424

FOR ILLINOIS ROUTES
MI-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

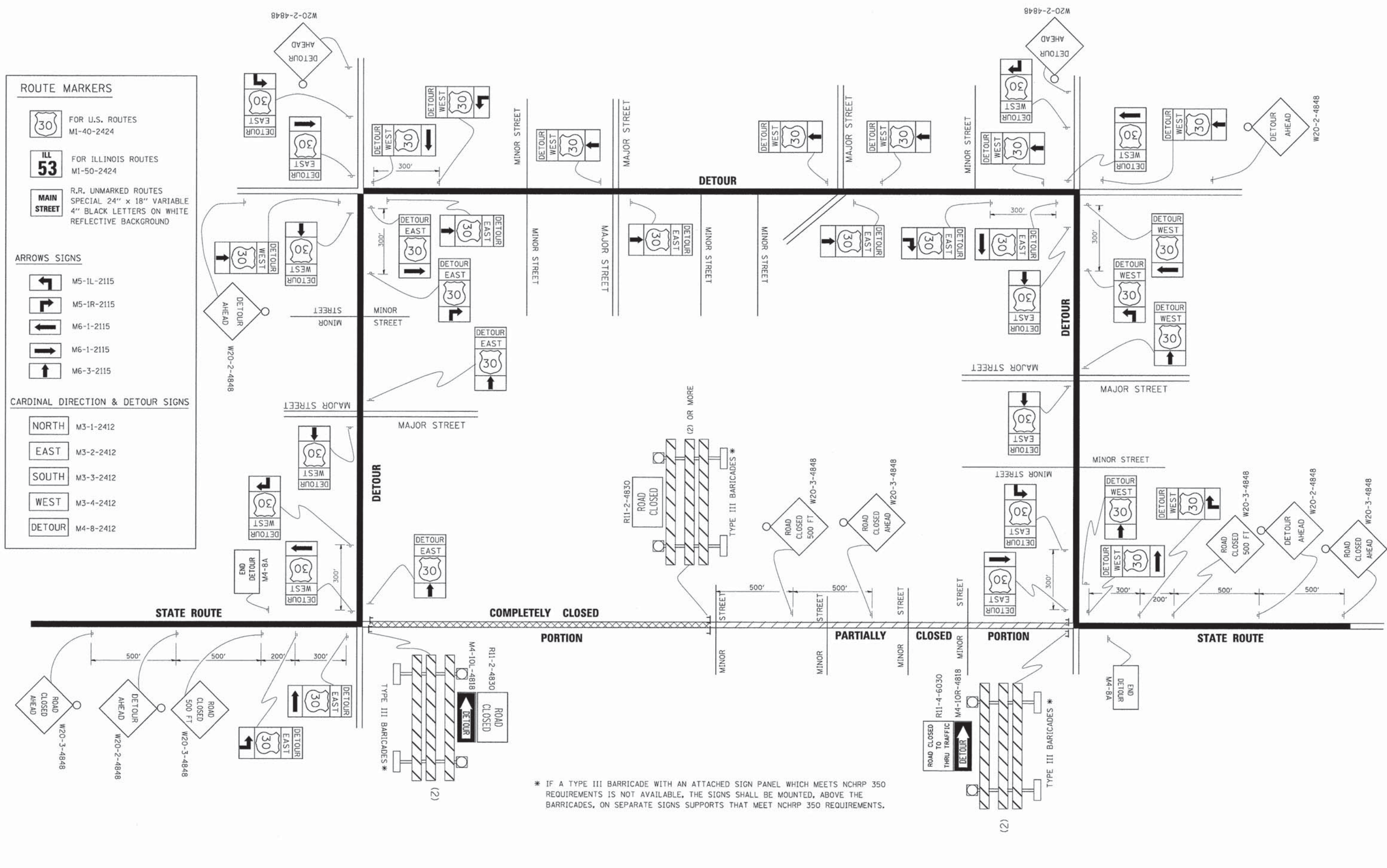
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* 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:\P\proj\2013\130140 - Allentown\1\Needs\Civil\09m\Shr\01-TC21.dgn

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
c:\pw_work\PW\DOT\DRIVAKOSGN\d0180315\21.dgn	drivakosgn	-	10-18-02
PLOT SCALE =	CHECKED -	REVISOR -	REVISION -
49.9999' / IN.	-	R. BORO	09-14-09
PLOT DATE =	DATE -	REVISOR -	REVISION -
9/14/2009	-	-	-

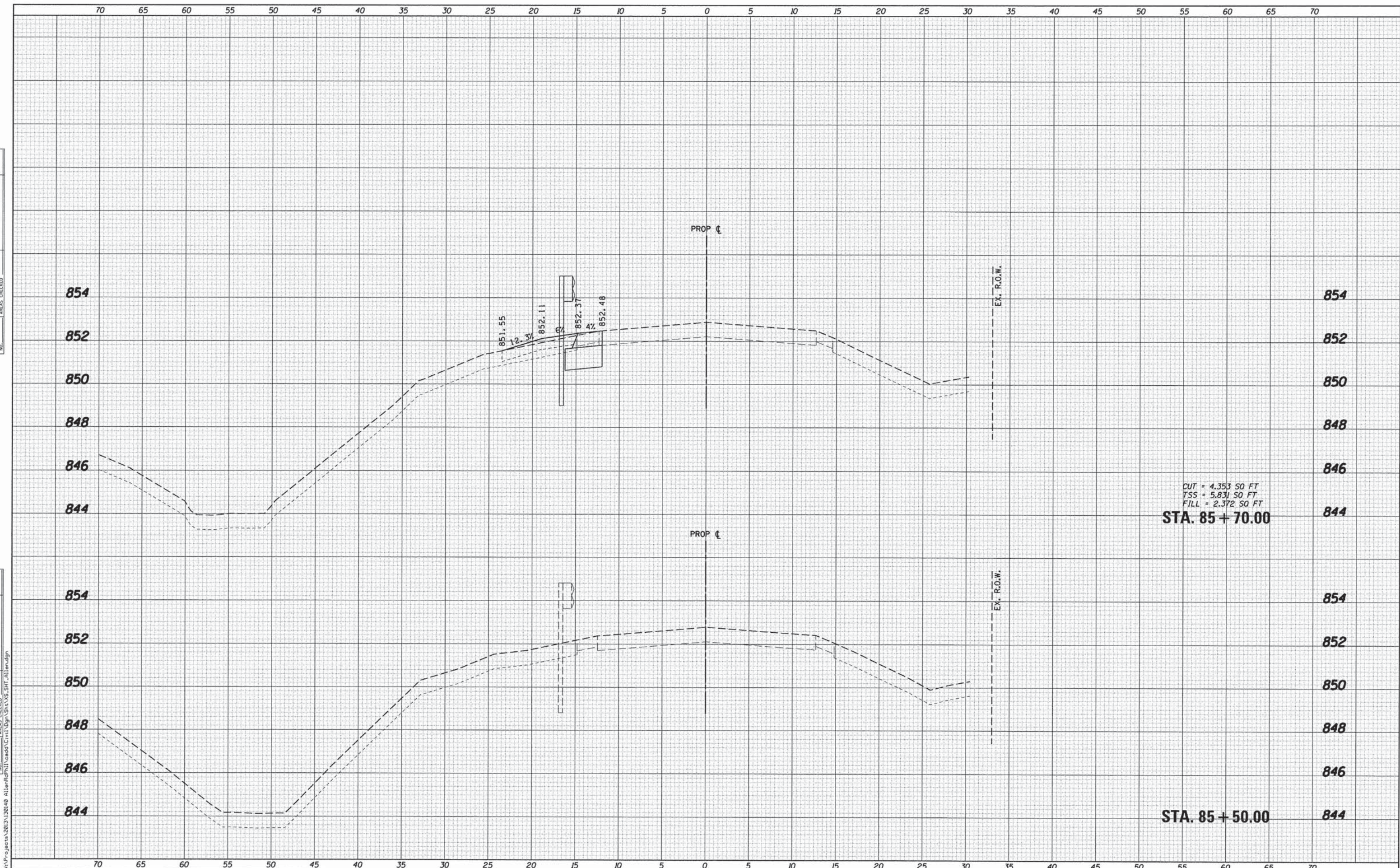
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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	62
TC-21		CONTRACT NO. 61B90		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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

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



CUT = 4.353 SO FT
TSS = 5.831 SO FT
FILL = 2.372 SO FT
STA. 85 + 70.00

STA. 85 + 50.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

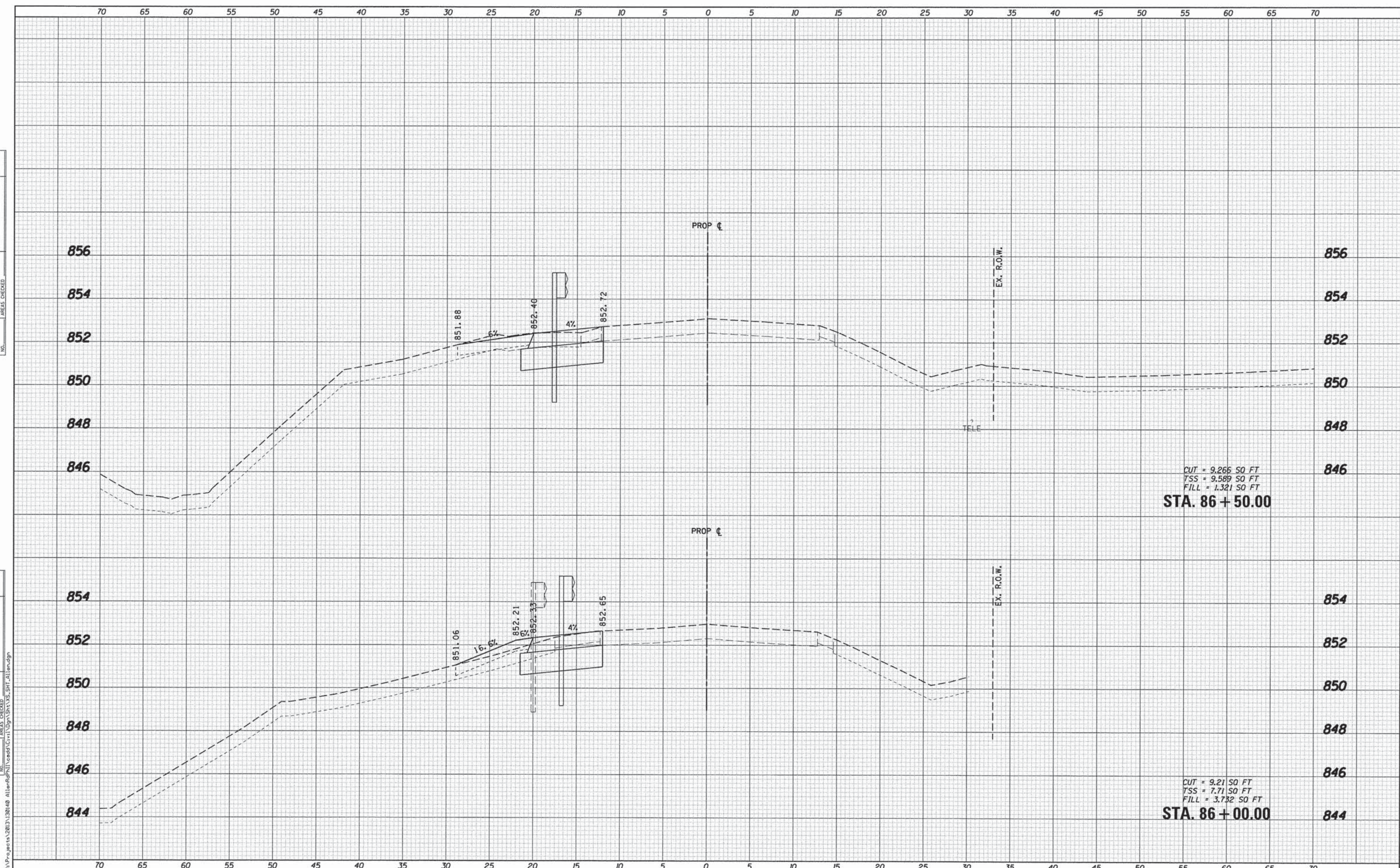
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ALLEN ROAD OVER HAMPSHIRE CREEK**

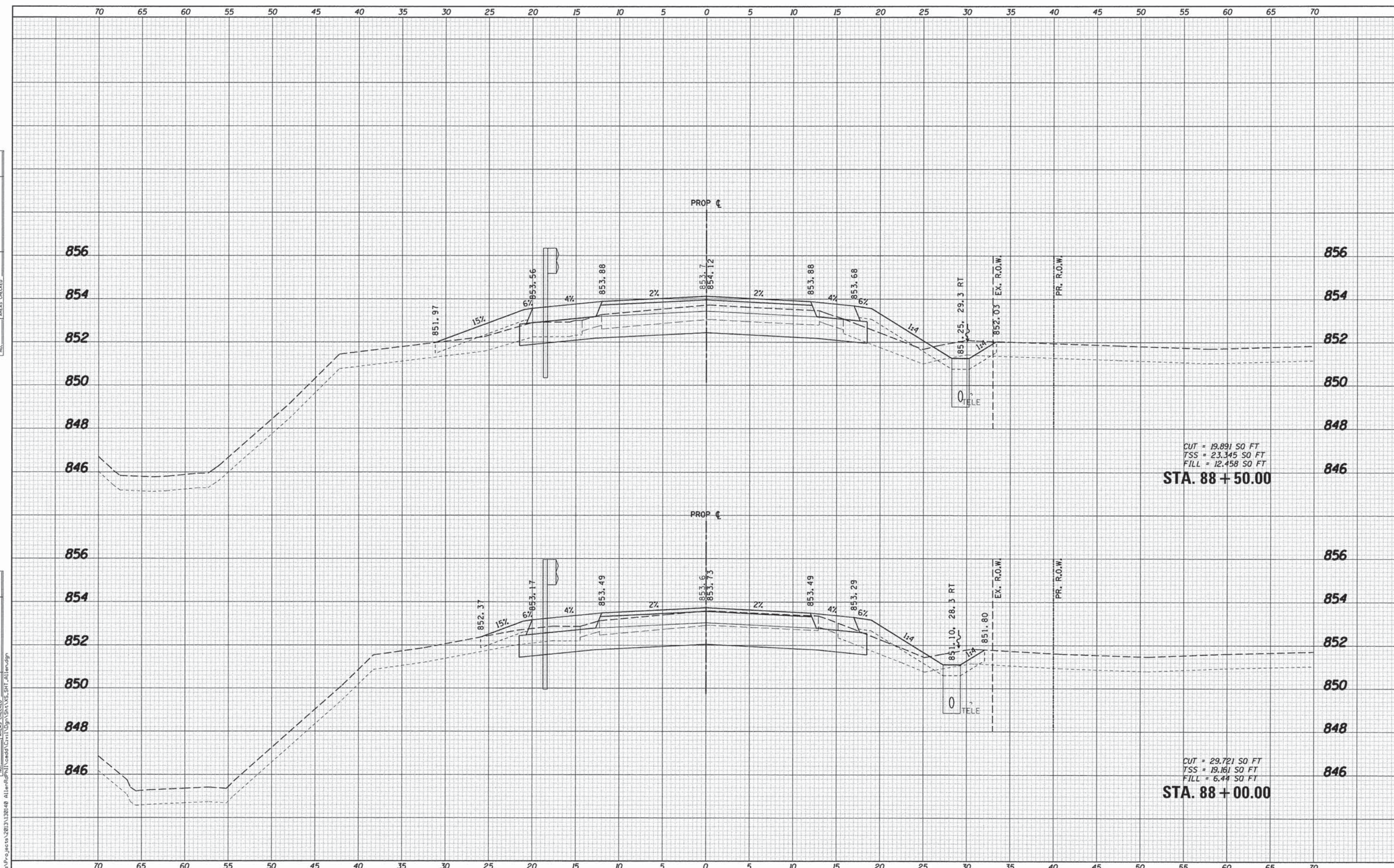
SCALE: 5H:2V SHEET NO. 2 OF 22 SHEETS STA. 86+00.00 TO STA. 86+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	64
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\Projects\2013\130140 AllenRd\11-00132-01-BR\STA.XXS_SHT_AllenRd.dgn

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

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



CUT = 19.891 SQ FT
TSS = 23.345 SQ FT
FILL = 12.458 SQ FT
STA. 88 + 50.00

CUT = 29.721 SQ FT
TSS = 19.161 SQ FT
FILL = 6.44 SQ FT
STA. 88 + 00.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

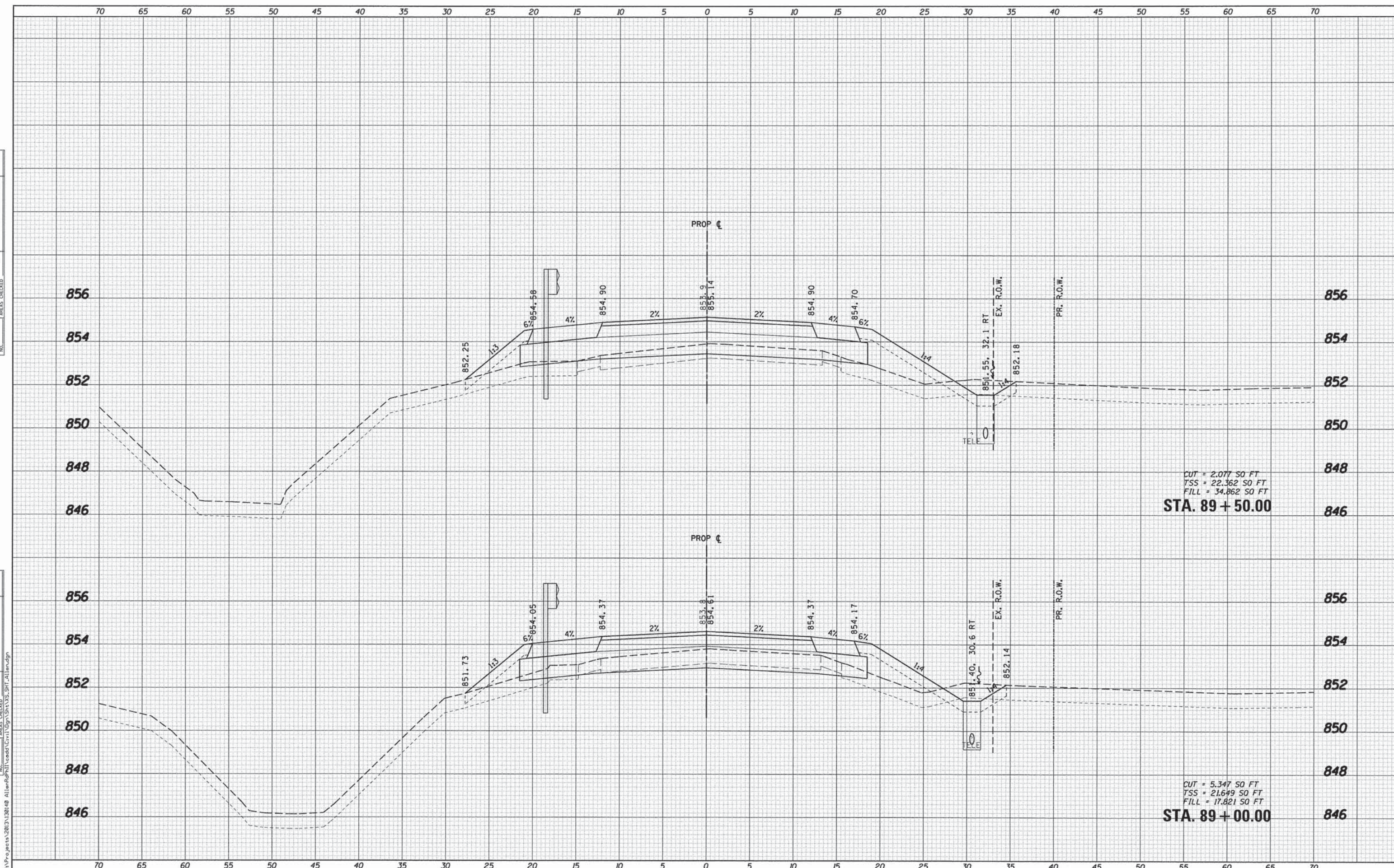
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



CUT = 2.077 SO FT
 TSS = 22.362 SO FT
 FILL = 34.862 SO FT
STA. 89 + 50.00

CUT = 5.347 SO FT
 TSS = 21.649 SO FT
 FILL = 17.821 SO FT
STA. 89 + 00.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

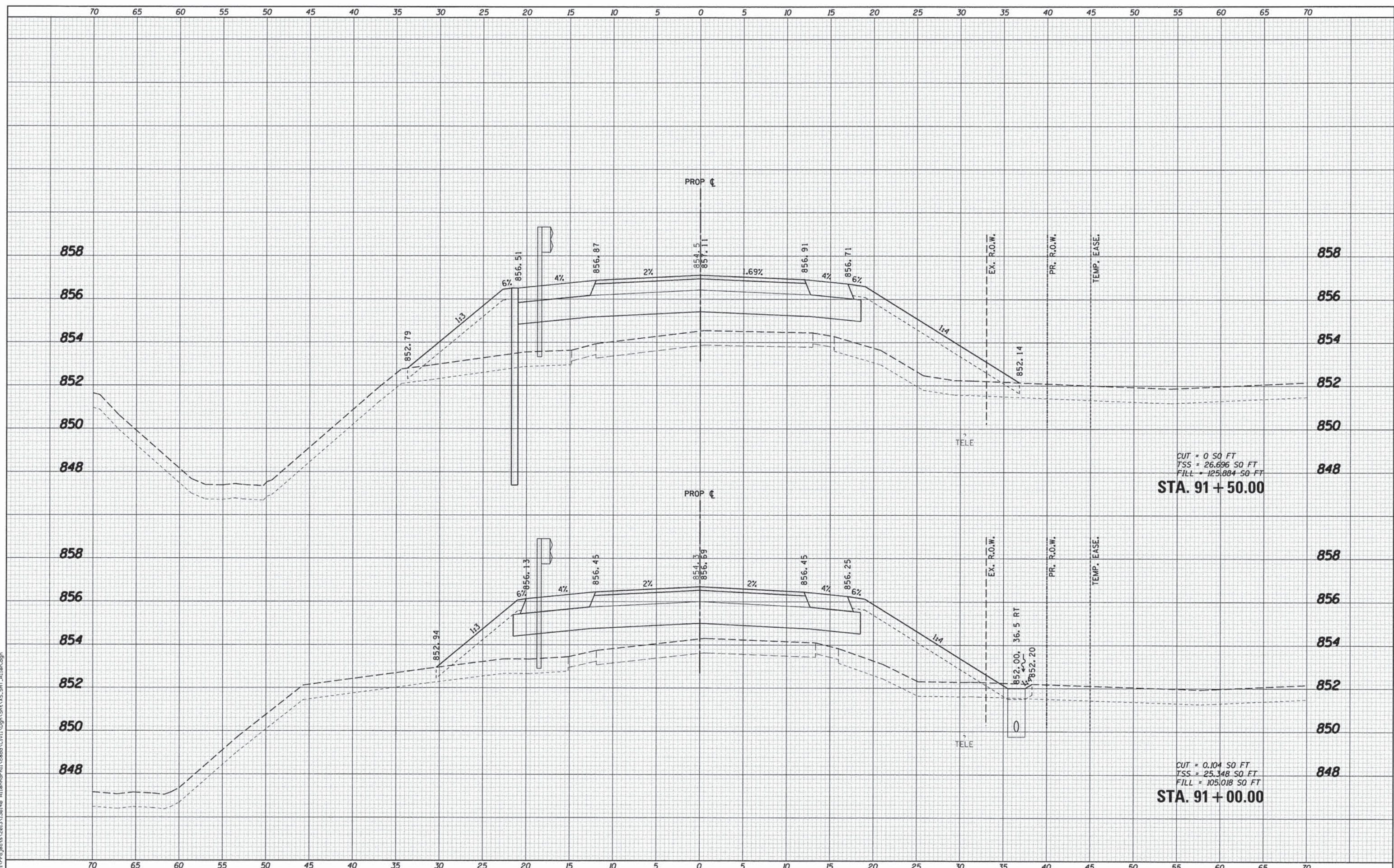
SCALE: 5H:2V SHEET NO. 5 OF 22 SHEETS STA. 89+00.00 TO STA. 89+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	67
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

FILE NAME = W:\Projects\2013\130140 AllenRd\PH\Acadd\Civil\Dgn\Sht\XSS_SHT_AllenRd.dgn



CUT = 0.50 FT
TSS = 26.696 SQ FT
FILL = 125.884 SQ FT
STA. 91 + 50.00

CUT = 0.104 SQ FT
TSS = 25.348 SQ FT
FILL = 105.018 SQ FT
STA. 91 + 00.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
	DRAWN - NDP/RD	REVISED -
	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

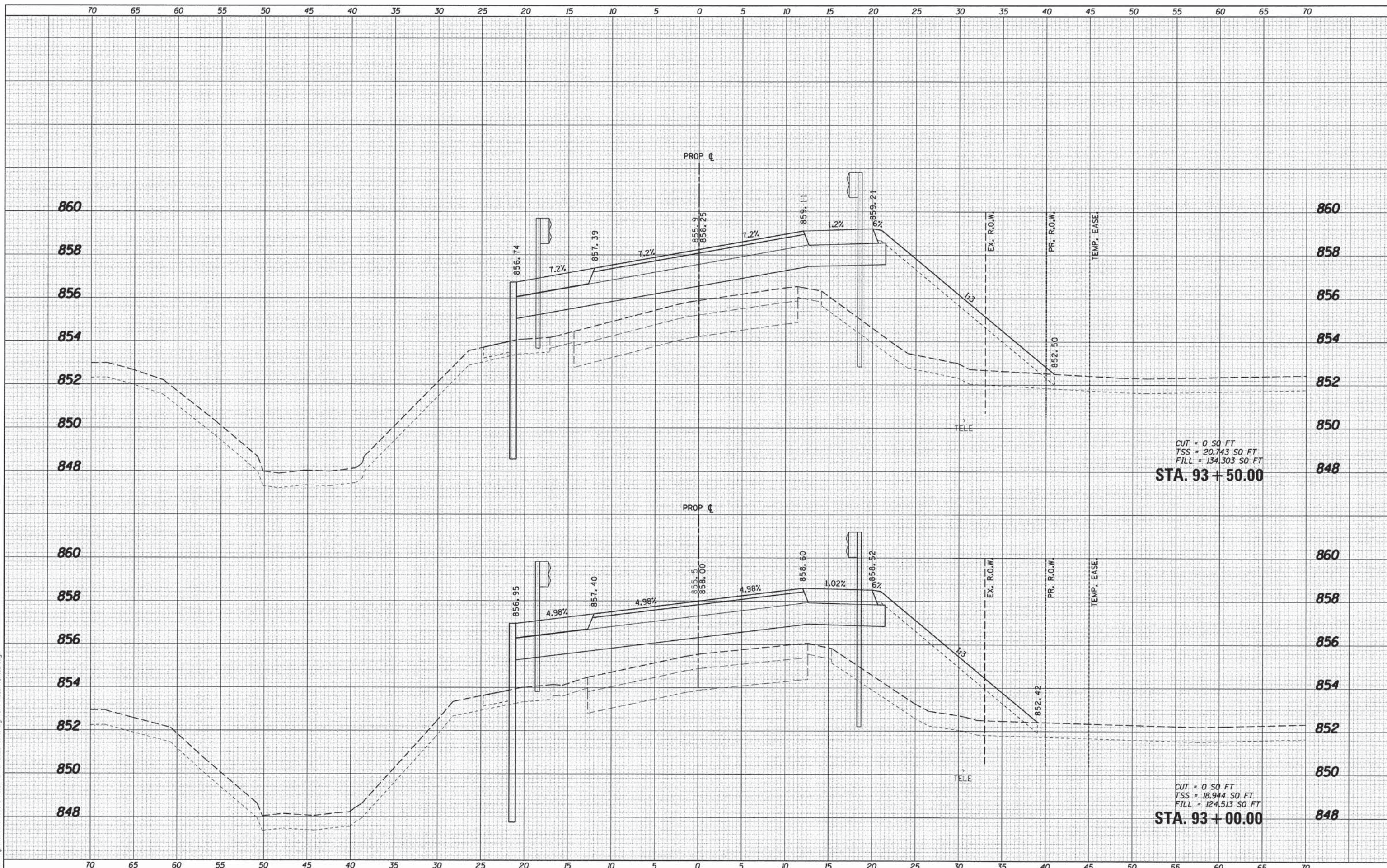
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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.61B90				
ILLINOIS FED. AID PROJECT				

BY	DATE

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



CUT = 0.50 FT
 TSS = 20.743 SO FT
 FILL = 134.303 SO FT
STA. 93+50.00

CUT = 0.50 FT
 TSS = 18.944 SO FT
 FILL = 124.513 SO FT
STA. 93+00.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
	DRAWN - NDP/RD	REVISED -
	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 ALLEN ROAD OVER HAMPSHIRE CREEK**

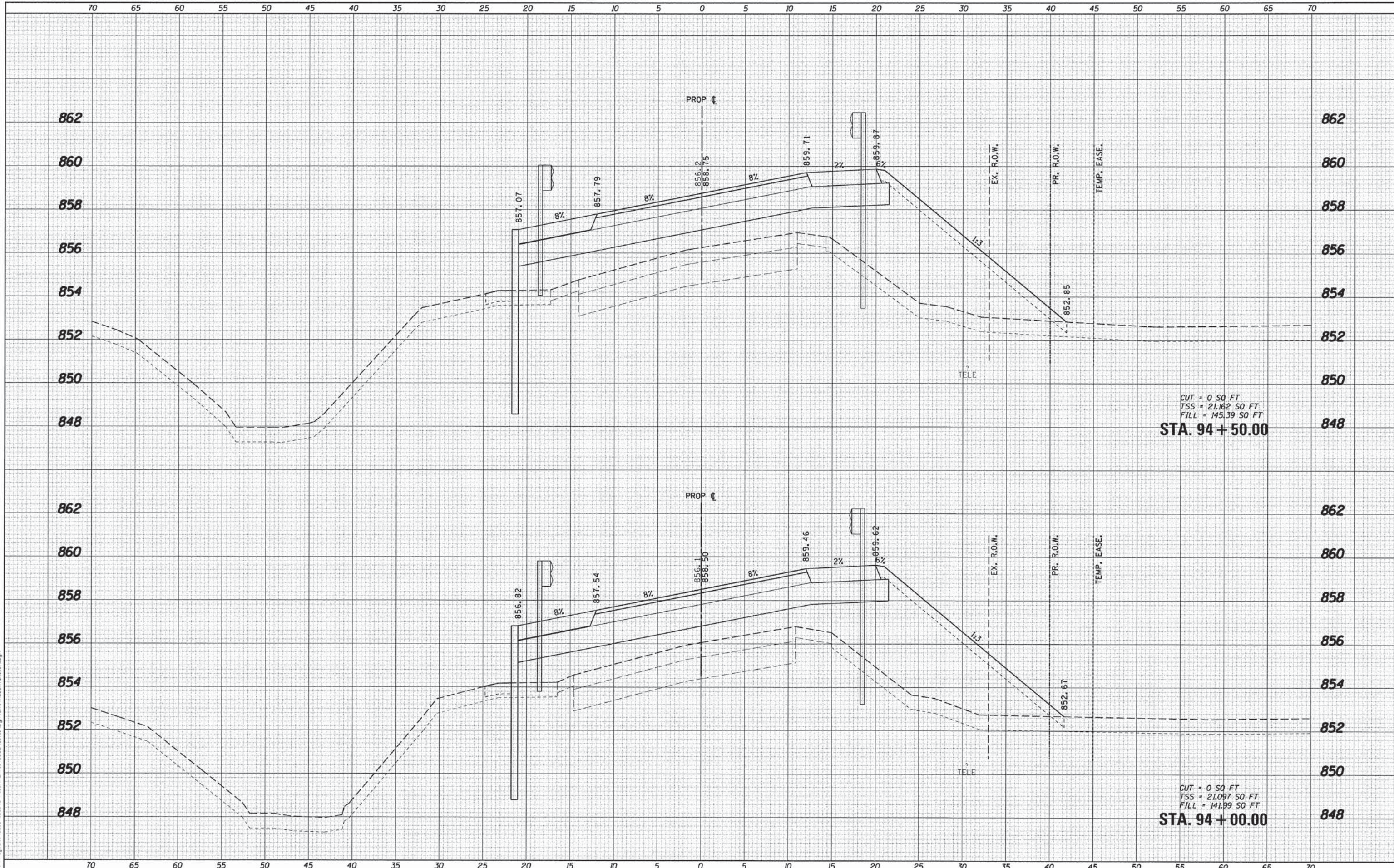
SCALE: 5H:2V SHEET NO. 9 OF 22 SHEETS STA. 93+00.00 TO STA. 93+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	71
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

FILE NAME = W:\Projects\2013\130140 - AllenRd\PH1\Acadd\Civil\Drawn\Shr\X5_SHT_11.dgn

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

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



CUT = 0.50 FT
 TSS = 21.162 50 FT
 FILL = 145.39 50 FT
STA. 94 + 50.00

CUT = 0.50 FT
 TSS = 21.097 50 FT
 FILL = 141.99 50 FT
STA. 94 + 00.00

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
	DRAWN - NDP/RD	REVISED -
	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

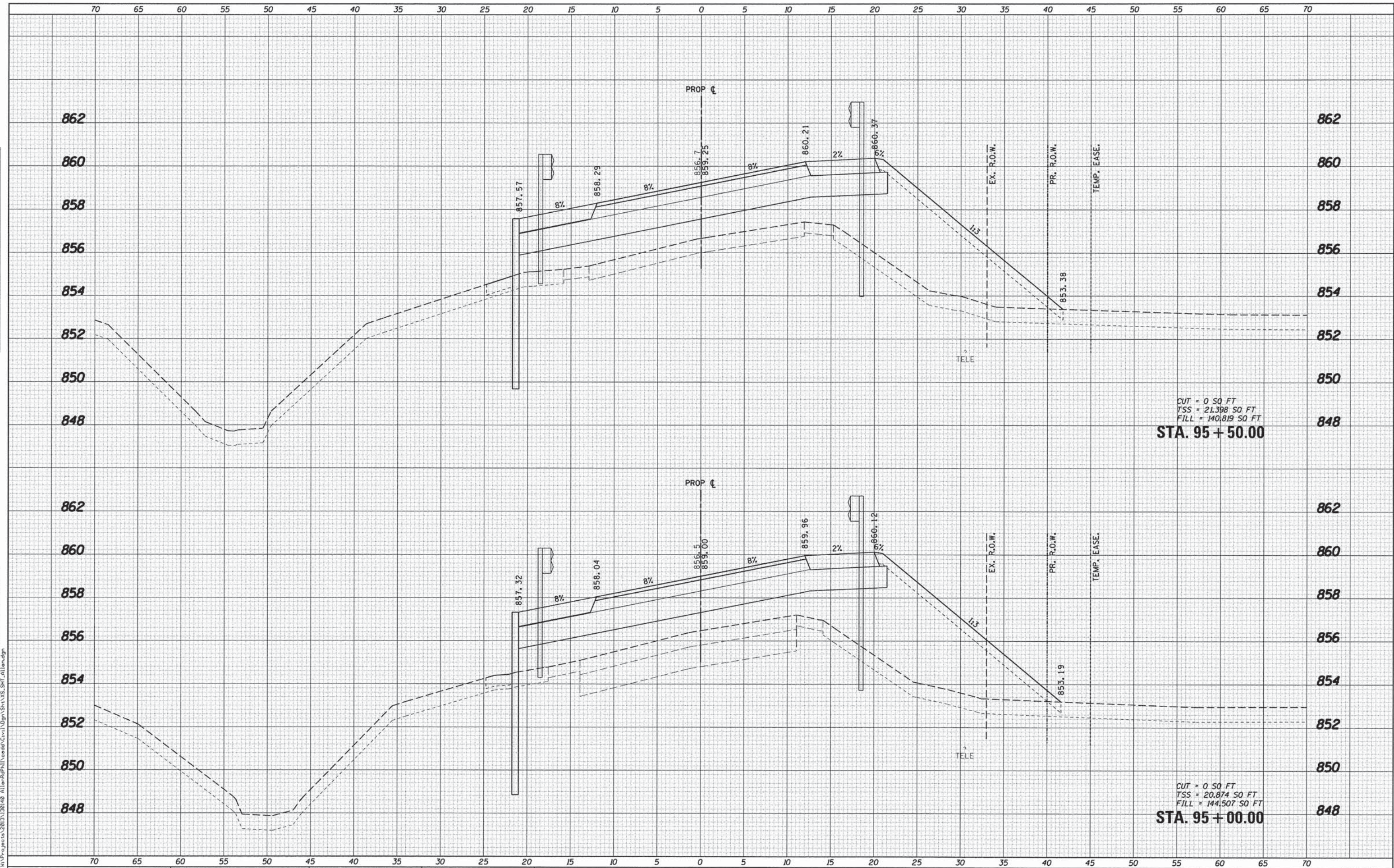
**CROSS SECTIONS
 ALLEN ROAD OVER HAMPSHIRE CREEK**

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

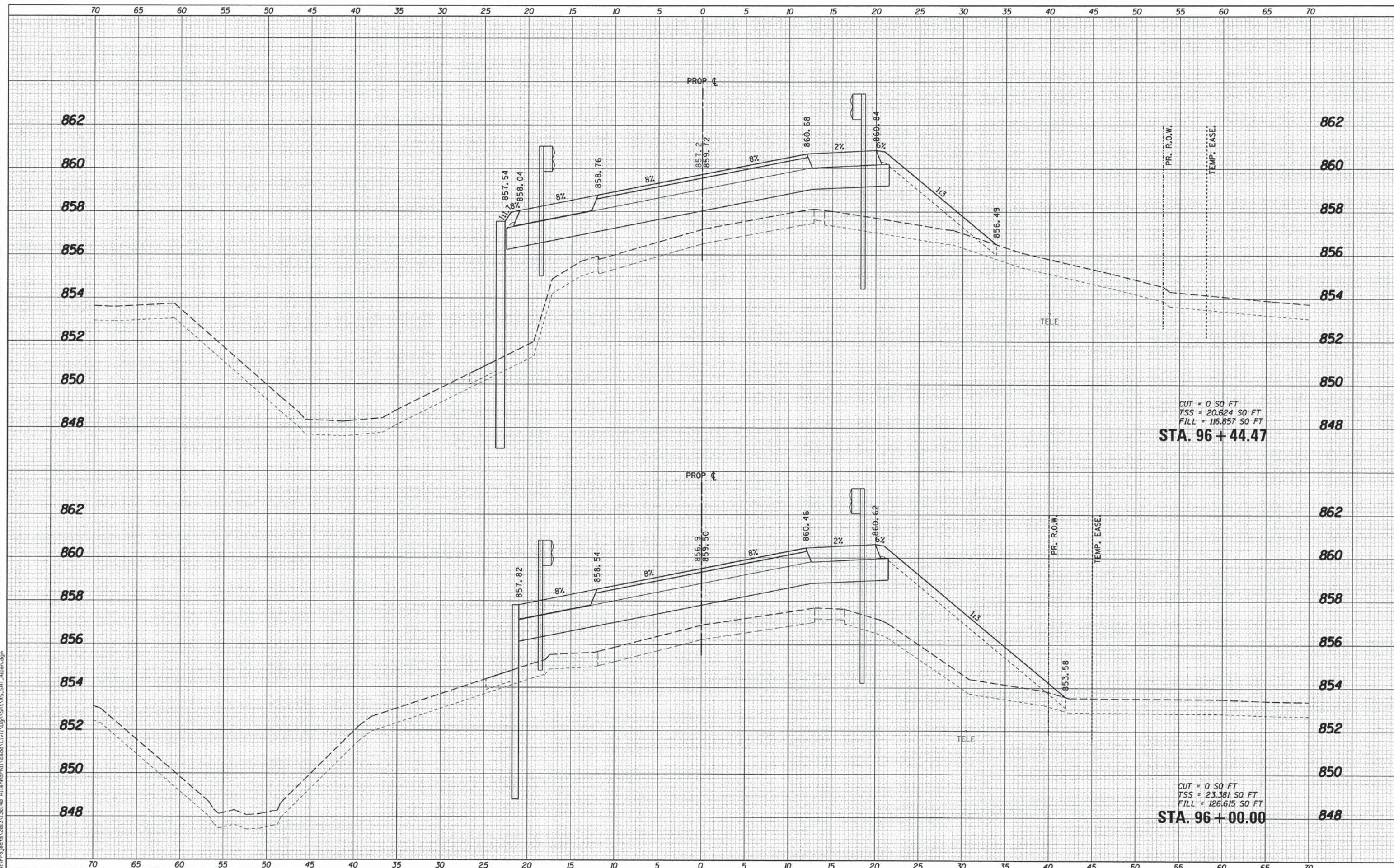
SCALE: 5H:2V SHEET NO. 11 OF 22 SHEETS STA. 95+00.00 TO STA. 95+50.00

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	73
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

FILE NAME = M:\Projects\2013\201409 AllenRd\11-Cross\11-Cross_SHT_11.dgn

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

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



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

USER NAME = rnparr15	DESIGNED - SBP/RD	REVISED -
FLY SCALE = 1:5	DRAWN - NDP/RD	REVISED -
FLY DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

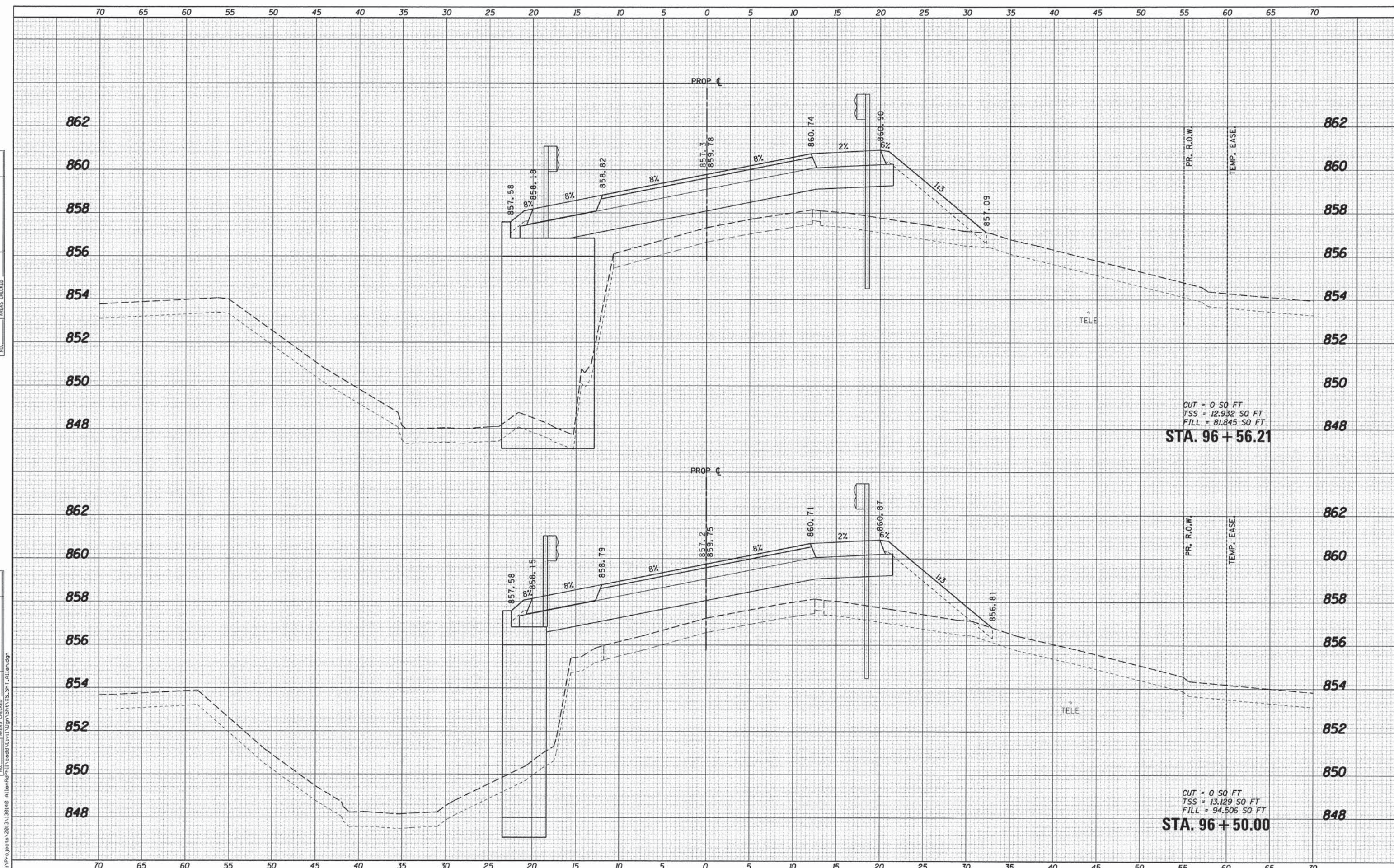
**CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK**

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. 61B90			ILLINOIS FED. AID PROJECT	

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

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



CUT = 0 SO FT
TSS = 12.932 SO FT
FILL = 81.845 SO FT
STA. 96 + 56.21

CUT = 0 SO FT
TSS = 13.129 SO FT
FILL = 94.506 SO FT
STA. 96 + 50.00

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

USER NAME = rjparis	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

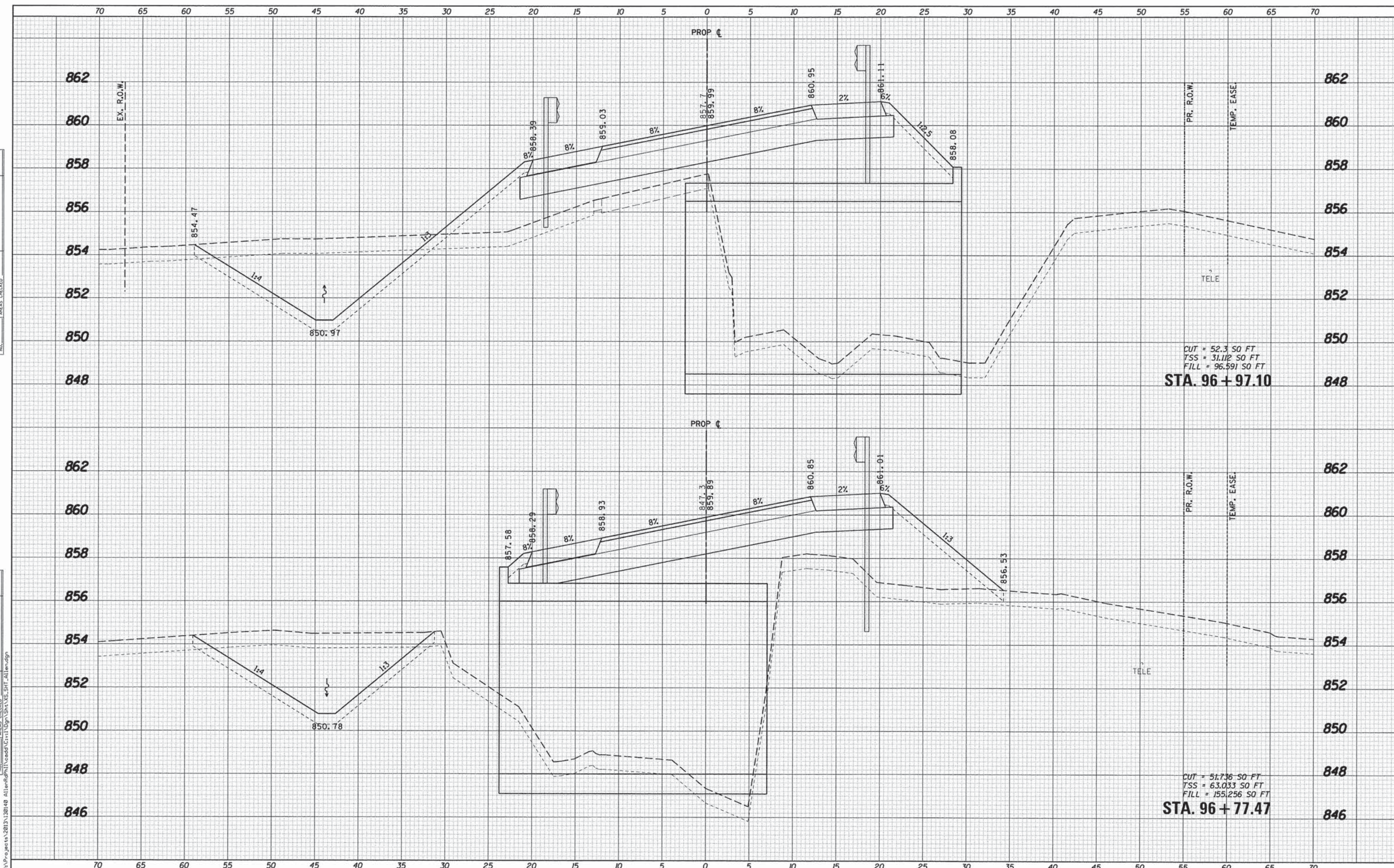
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nperris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK

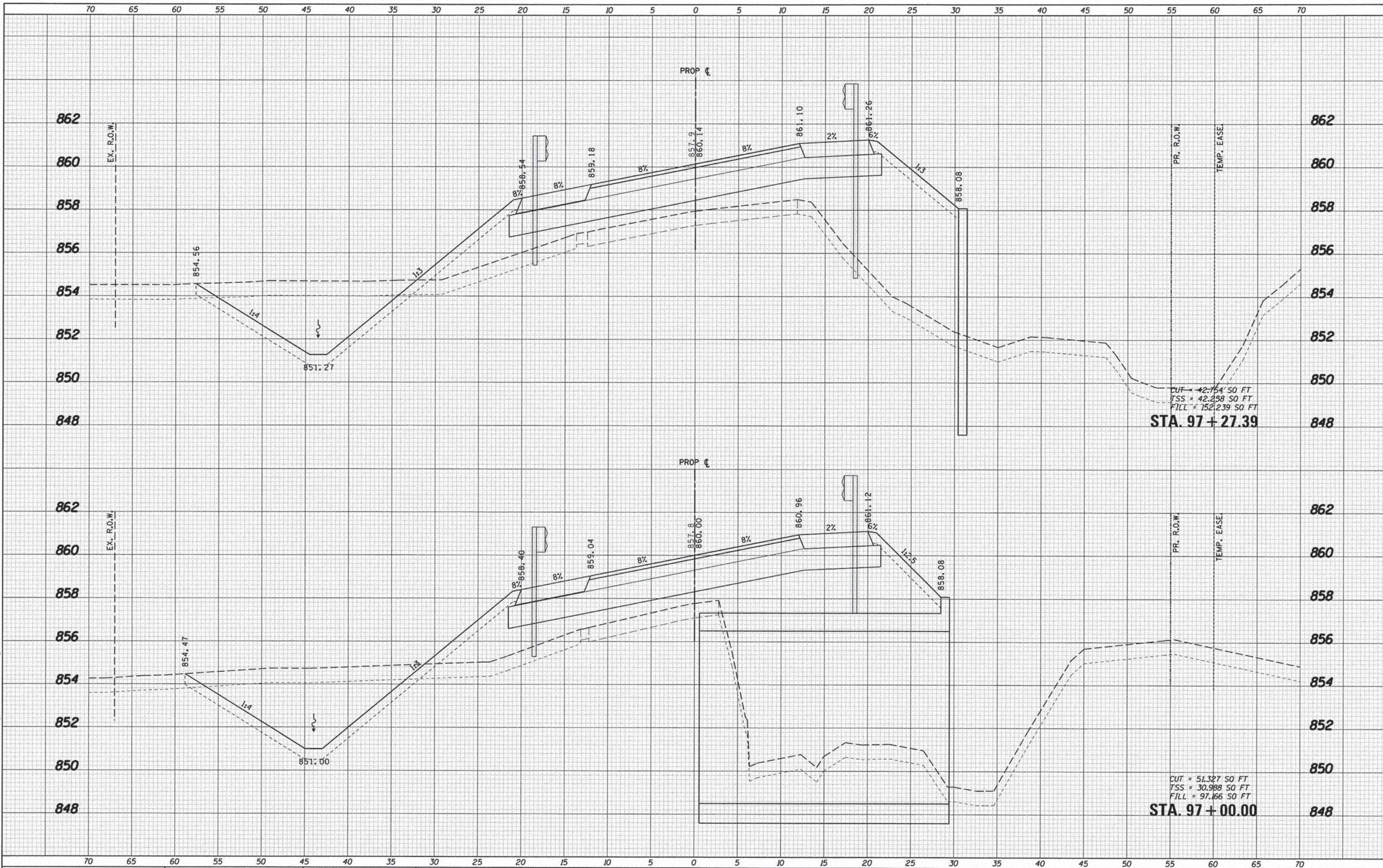
SCALE: H=5 V=2 SHEET NO. 14 OF 22 SHEETS STA. 96+77.47 TO STA. 96+97.10

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	76
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = \\P:\Projects\2013\130148 AllenRd\11-00132-01-15.dgn



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

USER NAME = nparris
 DESIGNED - SBP/RD
 DRAWN - NDP/RD
 CHECKED - DPB/SBP
 PLOT SCALE = 1:5
 PLOT DATE = 8/3/2015

DESIGNED - SBP/RD
 DRAWN - NDP/RD
 CHECKED - DPB/SBP
 DATE - 8/10/15

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

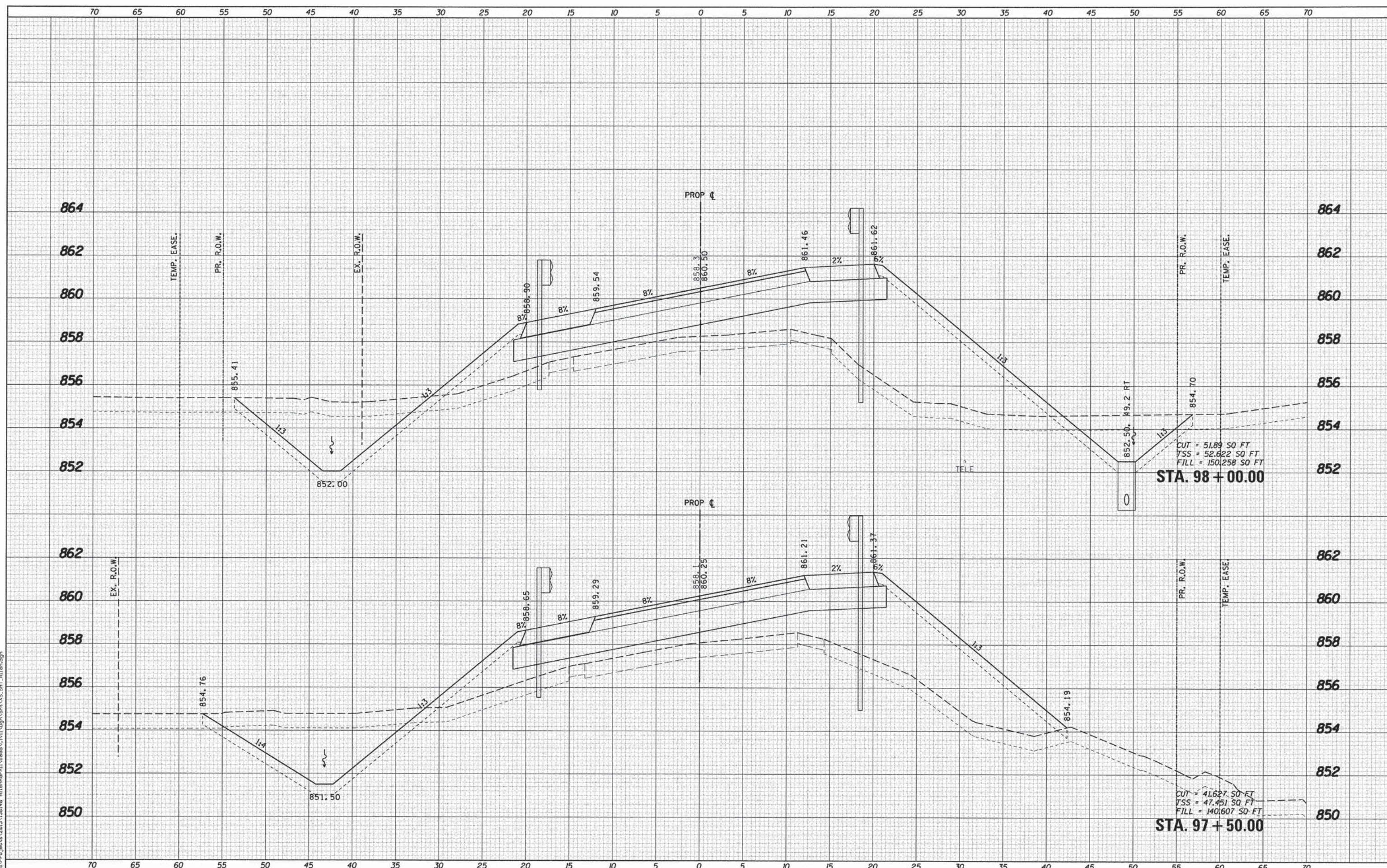
CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK
 SCALE: H:5 V:2 SHEET NO. 15 OF 22 SHEETS STA. 97+00.00 TO STA. 97+27.39

C.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45	11-00132-01-BR	KANE	84	77
CONTRACT NO. 61B90				
ILLINOIS FED. AID PROJECT				

BY	DATE
FINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

BY	DATE
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME = W:\Projects\2013\130148 - Allendale\PH11\Aeada\Civil\Drawn\STA 97.XSS_SHT_A11em.dgn



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

USER NAME = rparis	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

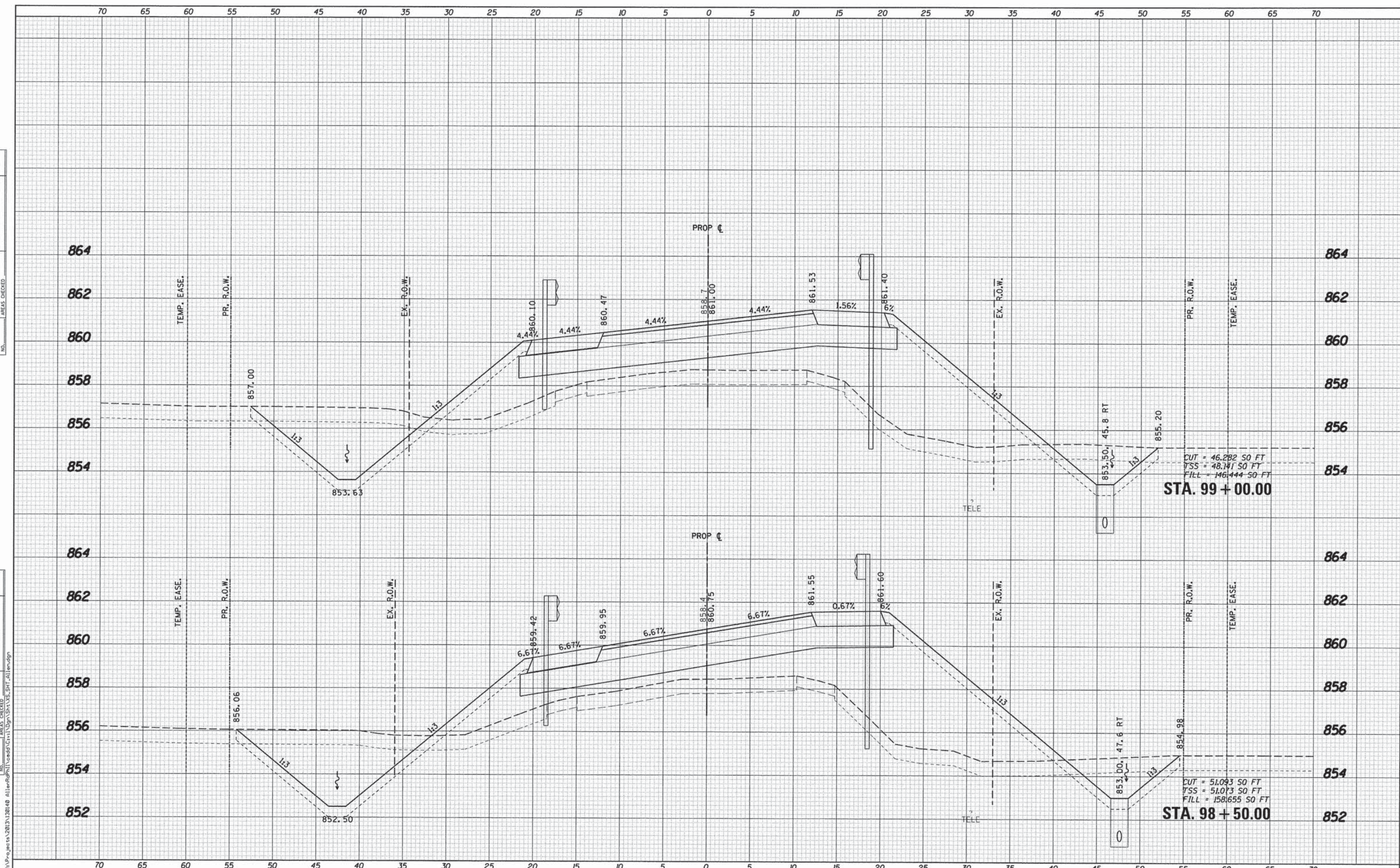
**CROSS SECTIONS
ALLEN ROAD OVER HAMPSHIRE CREEK**

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nparris
DESIGNED - SBP/RD
DRAWN - NDP/RD
CHECKED - DPB/SBP
PLOT SCALE = 1:5
PLOT DATE = 8/3/2015
DATE - 8/10/15

DESIGNED - SBP/RD
DRAWN - NDP/RD
CHECKED - DPB/SBP
DATE - 8/10/15

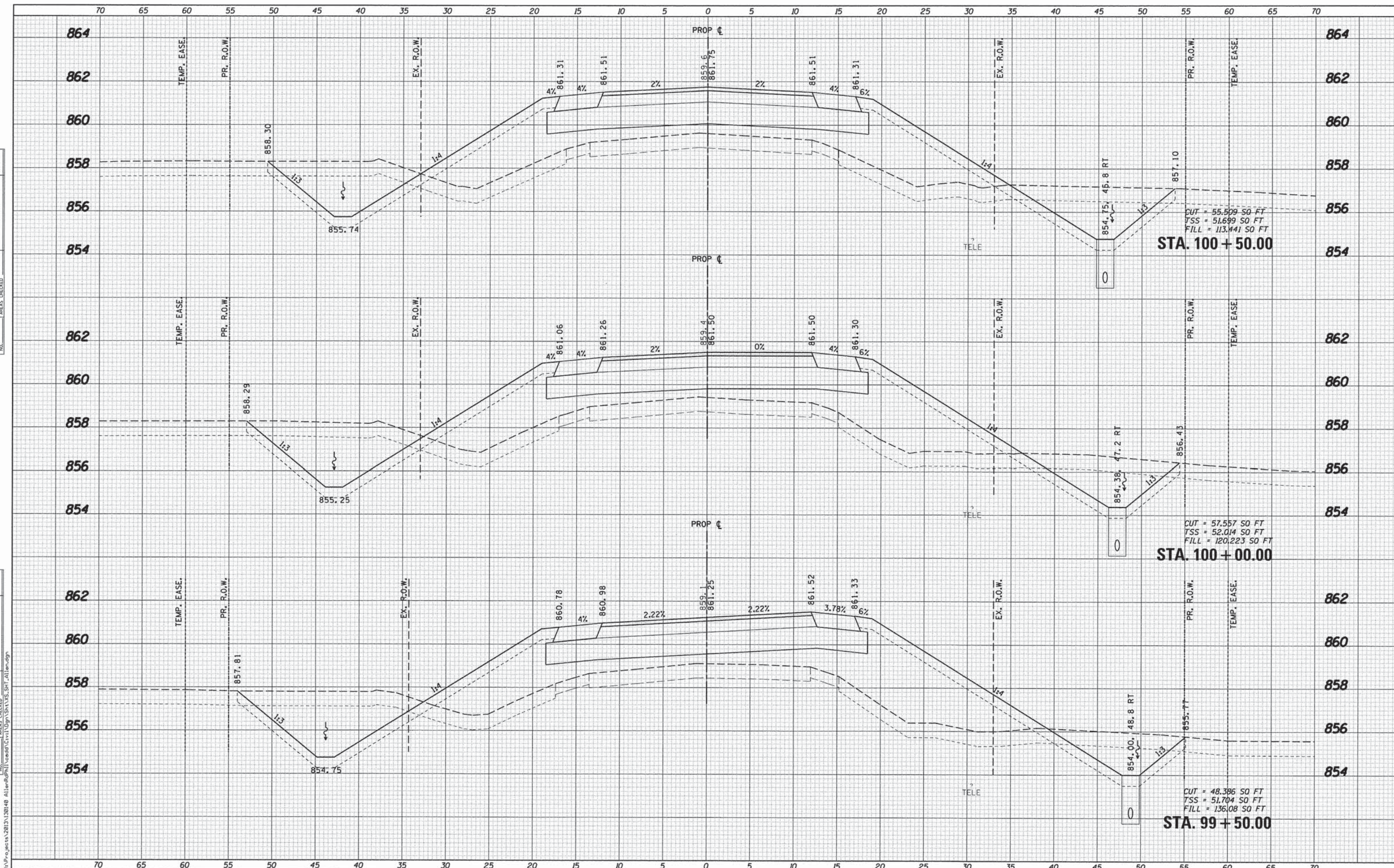
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

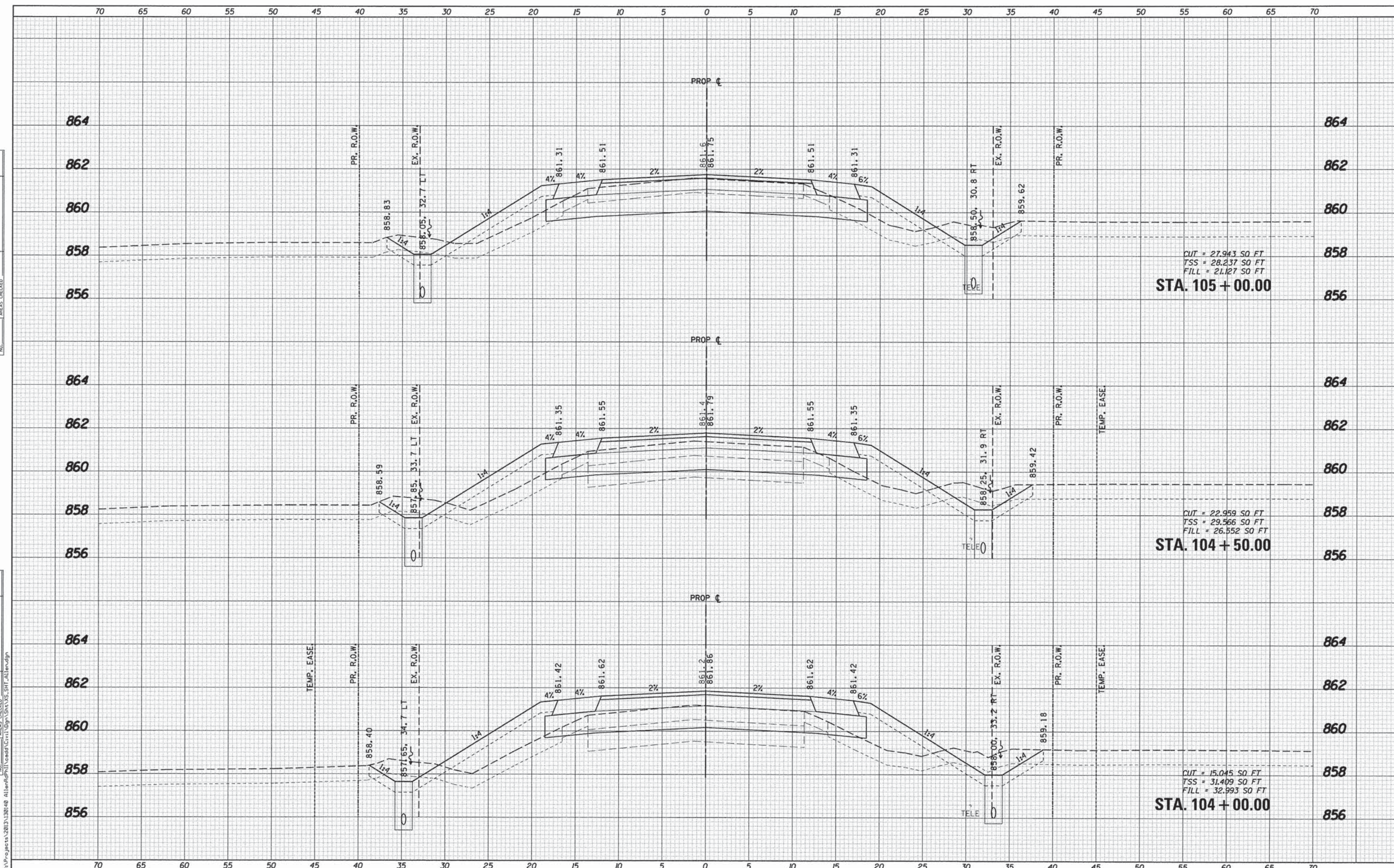
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



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

USER NAME = nporris	DESIGNED - SBP/RD	REVISED -
PLOT SCALE = 1/5	DRAWN - NDP/RD	REVISED -
PLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	REVISED -

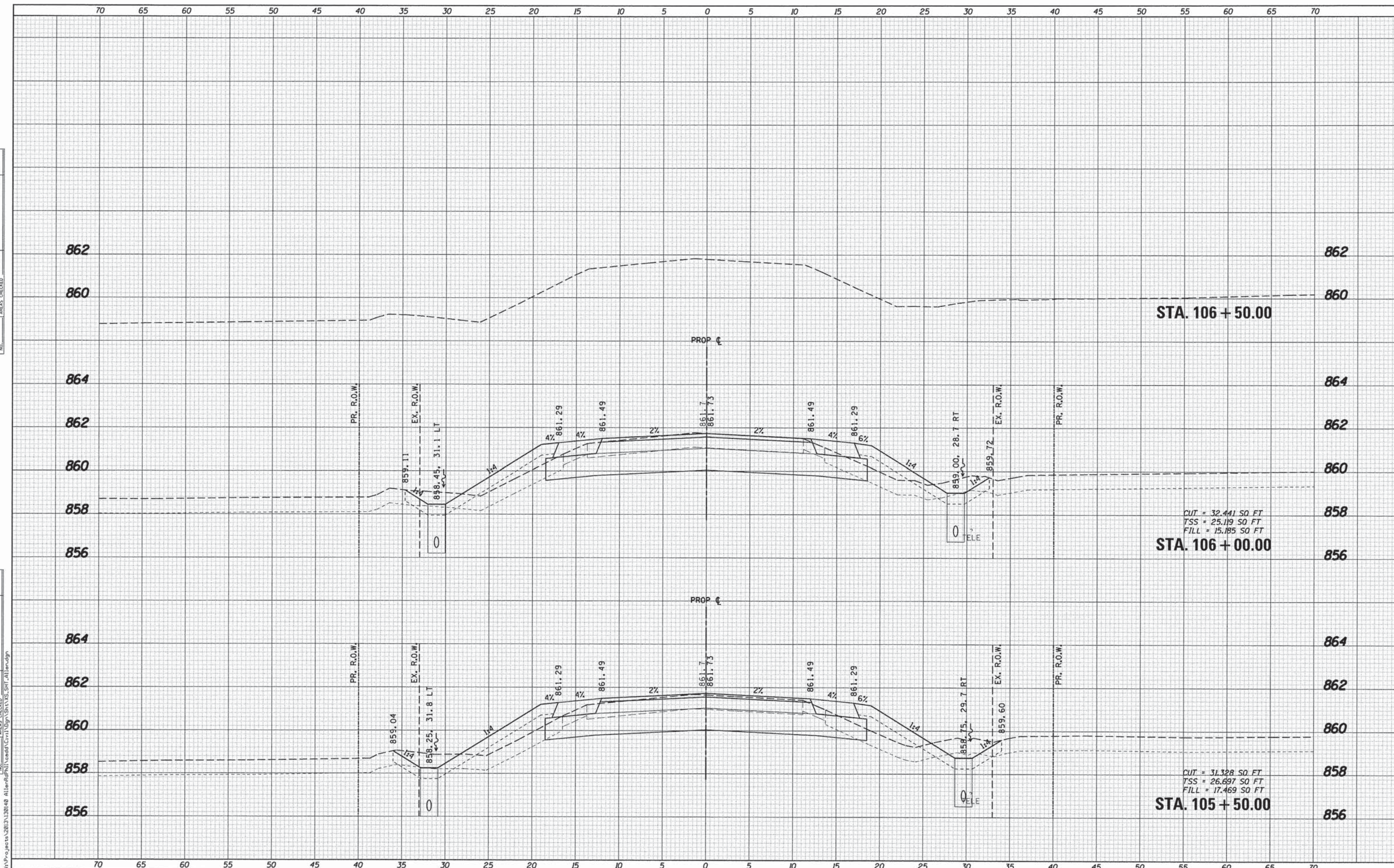
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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. 61B90				
ILLINOIS FED. AID PROJECT				

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

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



CUT = 32.441 SQ FT
 TSS = 25.119 SQ FT
 FILL = 15.185 SQ FT

CUT = 31.328 SQ FT
 TSS = 26.697 SQ FT
 FILL = 17.469 SQ FT

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

USER NAME = nparris	DESIGNED - SBP/RD	REVISED -
PLLOT SCALE = 1:5	DRAWN - NDP/RD	REVISED -
PLLOT DATE = 8/3/2015	CHECKED - DPB/SBP	REVISED -
	DATE - 8/10/15	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. 61890				
ILLINOIS FED. AID PROJECT				