

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 66828		

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
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PROPOSED HIGHWAY PLANS

FAP ROUTE 553 (IL 72)
SECTION (127) I
PROJECT : ACF-0553 (159)
DEKALB COUNTY

C - 93 - 026 - 11

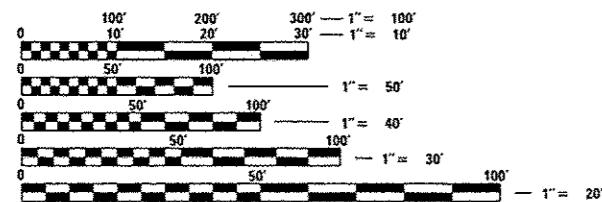
IL ROUTE 72 OVER A TRIBUTARY TO THE SOUTH BRANCH
OF THE KISHWAUKEE RIVER
REMOVAL AND REPLACEMENT OF AN EXISTING CULVERT



FUNCTIONAL CLASSIFICATION

RURAL MINOR ARTERIAL - F.A.P. 553 (IL RTE. 72)
ADT 5,050 (2015)
PV = 90.8%
SU = 5.6%
MU = 3.6%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____



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.

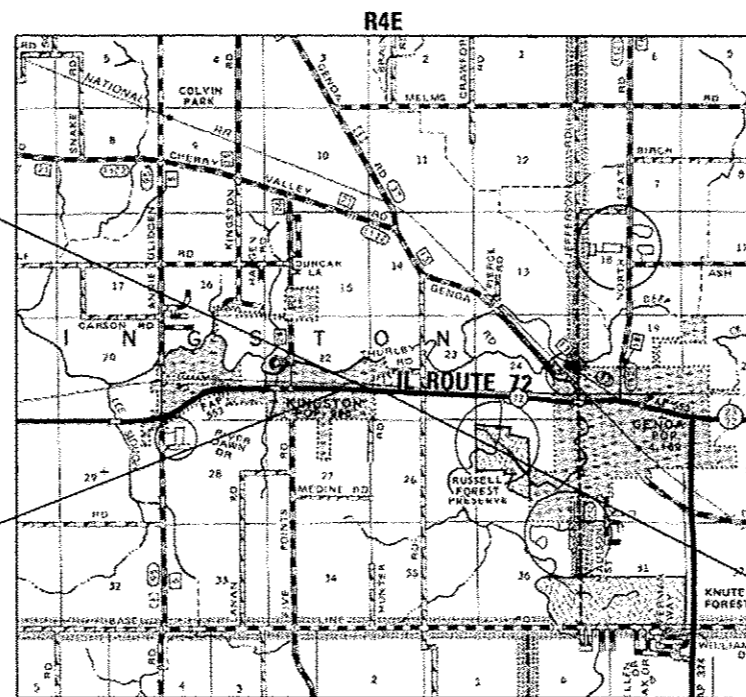
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER : DAVE ALEXANDER, PE
UNIT CHIEF : BRAD DUNCAN, PE
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66828

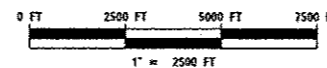
STATION 668 + 86.00
DOUBLE 8'x6' CAST IN PLACE
CONCRETE BOX CULVERT
EXIST. S.N. 019-2552
PROP. S.N. 019-2025

BEGIN PROJECT
STA. 664 + 24.00

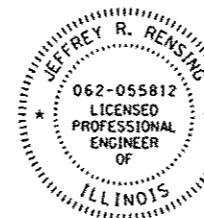
END PROJECT
STA. 672 + 90.00



LOCATION MAP



GROSS LENGTH = 866 FT. = 0.164 MI.
NET LENGTH = 866 FT. = 0.164 MI.



JEFFREY R. RENSING, P.E.
License Expires 11/30/2017



COLLINSVILLE 100 Lanter Court, Suite 1
Collinsville, IL 62234
tel 618.345.2200

BELLEVILLE 20 E. Main Street
Belleville, IL 62220
tel 618.416.4688

ST. LOUIS 720 Olive, Suite 1660
St. Louis, MO 63101
tel 314.588.8381

www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 8-11-2016
K. Mauch
REGIONAL ENGINEER

Sept 30 2016
M. A. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Sept 30 2016
Director of Program Development

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PLOT DATE = 8/4/2016
FILE NAME = M:\26054\WO 9 IL 72 over Kishwaukee\Microstation\CADD sheets\0366828-sht-cover.dgn
PLOT SCALE = 40,0000 / in.
USER NAME = brian.heil

GENERAL NOTES

1. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
2. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.
3. THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.
4. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
5. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
6. FOR STABILIZATION, ALL TYPE III BARRICADES WILL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
7. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDDED WILL BE DETERMINED BY THE ENGINEER.
8. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
9. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
10. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
11. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
12. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
13. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
14. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MAT (PRIME COAT)	0.05	LBS/SO FT
HMA RESURFACING	112	LBS/SOYD/IN
SHORT TERM PAVEMENT MARKINGS	10	FT/100FT OF APPLICATION
MIX FOR CRACKS, JTS & FLCWYS	0.0003	TONS/SO YD
LEVEL BINDER (MACHINE METHOD)	0.056	TONS/SO YD/IN
15. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

ELECTRIC -	COMED
GAS -	NICOR GAS
WATER AND SEWER -	VILLAGE OF KINGSTON
TELEPHONE -	VERIZON
CATV -	MEDIACOM

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
16. CHANNEL EXCAVATION SHALL BE COMPLETED AT THE PROPOSED STRUCTURE IN ORDER TO TIE BACK INTO THE EXISTING GROUND. THIS SECTION SHALL EXTEND ±42' UPSTREAM AND ±22' DOWNSTREAM OF THE PROPOSED STRUCTURE. LAYOUT OF CHANNEL EXCAVATION MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
17. RIPRAP LOCATIONS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.

COMMITMENTS

1. THE CONTRACTOR SHALL NOTIFY THE OPERATIONS FIELD TECHNICIAN AT THE SYCAMORE YARD TO ARRANGE FOR EXISTING GUARDRAIL THAT IS SALVAGEABLE TO BE REMOVED BY THE CONTRACTOR AND GIVEN TO THE MAINTENANCE YARD.
2. IN ORDER TO MINIMIZE POTENTIAL IMPACTS TO THE INDIANA BAT TREE REMOVAL WILL NOT BE ALLOWED FROM APRIL 1 THROUGH OCTOBER 1 OF ANY YEAR.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
630106-01	LONG SPAN GUARDRAIL OVER CULVERT
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
642006	SHOULDER RUMBLE STRIPS, 8 IN.
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701321-15	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: [Signature]
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 11, 2016

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS,
AND HIGHWAY STANDARDS


F.A.P. RTE. 553	SECTION (127) 1	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 2
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004 SN 019-2025	UTILITIES 0043	
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	118	118			
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	51	51			
		20200100	EARTH EXCAVATION	CU YD	885	885			
		20300100	CHANNEL EXCAVATION	CU YD	229	229			
		20700220	POROUS GRANULAR EMBANKMENT	CU YD	286		286		
		25000300	SEEDING, CLASS 3	ACRE	0.75	0.75			
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	67	67			
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	67	67			
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	67	67			
		25100630	EROSION CONTROL BLANKET	SO YD	3,742	3,742			
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	225	225			
		28000305	TEMPORARY DITCH CHECKS	FOOT	190	190			
		28000500	INLET AND PIPE PROTECTION	EACH	2	2			
		28100107	STONE RIPRAP, CLASS A4	SO YD	183		183		

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
SI - SPECIALTY ITEM

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14

 DATES ASSOCIATES Engineering & Architecture ILLINOIS DESIGN FIRM LICENSE NO. 184.001115	USER NAME = brianheit	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -					553	(127) I	DEKALB	47	3
PLOT DATE = 8/4/2016	CHECKED -	REVISED -	SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 66828						
	DATE -	REVISED -				ILLINOIS FED. AID PROJECT						

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004 SN 019-2025	UTILITIES 0043	
		28200200	FILTER FABRIC	SQ YD	183		183		
		31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	1,191	1,191			
		35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	945	945			
		35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	187	187			
		40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	50	50			
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,039	1,039			
		40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	97	97			
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	8	8			
		40600990	TEMPORARY RAMP	SQ YD	26	26			
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	472	472			
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	194	194			
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	85	85			
		44000100	PAVEMENT REMOVAL	SQ YD	239	239			
		44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	576	576			

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
SI - SPECIALTY ITEM

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14



USER NAME = brianheil
DESIGNED -
DRAWN -
PLOT SCALE = 40.0000 "/>

REVISIONS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	4
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004 SN 019-2025	UTILITIES 0043	
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SD YD	171	171			
		48203100	HOT-MIX ASPHALT SHOULDERS	TON	656	656			
		• 50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1		
		• 50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1			
		• 50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1			
		50200100	STRUCTURE EXCAVATION	CU YD	424		424		
		50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	210		210		
		50800105	REINFORCEMENT BARS	POUND	31,370		31,370		
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	210		210		
		50800515	BAR SPLICERS	EACH	84		84		
		51500100	NAME PLATES	EACH	1		1		
		52200010	TEMPORARY SHEET PILING	SO FT	763		763		
		54003000	CONCRETE BOX CULVERTS	CU YD	110.2		110.2		
		63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	350	350			

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
SI - SPECIALTY ITEM

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 OATES ASSOCIATES Engineering & Architecture ILLINOIS DESIGN FIRM LICENSE NO: 184.091115	USER NAME = brianheil	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1" =	DRAWN -	REVISED -					553	(127) I	DEKALB	47	5
	PLOT DATE = 8/4/2016	CHECKED -	REVISED -					CONTRACT NO. 66828				
				SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT					

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004 SN 019-2025	UTILITIES 0043	
		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4			
		63200310	GUARDRAIL REMOVAL	FOOT	473	473			
		64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1,732	1,732			
		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	4	4			
		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	325	325			
		66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1			
		66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
		67100100	MOBILIZATION	L SUM	1	1			
		70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1			
		70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
		70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1			
		70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1			
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	783	783			

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
SI - SPECIALTY ITEM

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USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	6
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				

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SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004	UTILITIES 0043	
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SD FT	305	305			
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4,107	4,107			
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	434	434			
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	38	38			
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	416	416			
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	400	400			
		70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
		70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2			
		• 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
		• 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1,732	1,732			
		• 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	217	217			
		• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11	11			
		• 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10	10			
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11			

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
 SI - SPECIALTY ITEM



USER NAME = duncanbd
 PLOT SCALE = 40.0000" / 1" = 1"
 PLOT DATE = 8/11/2016

DESIGNED -
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 CHECKED -
 DATE -

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 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	7
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

14

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						FEDERAL=80% STATE=20%	FEDERAL=80% STATE=20%	VILLAGE=100%	
						ROADWAY 0004	STRUCTURAL 0004 SN 019-2025	UTILITIES 0043	
		X0327726	MEMBRANE WATERPROOFING FOR CULVERTS	SQ YD	238		238		
		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2,095	2,095			
		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	107	107			
		X5420615	PIPE CULVERTS TO BE CLEANED 15"	FOOT	26	26			
		X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2			
		X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	60	60			
		Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1	1			
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42			
*		Z0054400	ROCK FILL	CU YD	210		210		
		Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1		1		
		Z0057000	SANITARY SEWER 10"	FOOT	170			170	
		Z0067900	STEEL CASINGS 24"	FOOT	150			150	

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS
SI - SPECIALTY ITEM

FILE NAME: H:\26891\NO 9 IL 72 over K:\p\shesha\Microstation\CADD sheets\0366828-INT-500.dgn



DATES ASSOCIATES
Engineering & Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianhell	DESIGNED -	REVISED -
PLOT SCALE = 10,0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(027) I	DEKALB	47	8
				CONTRACT NO. 66828
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING PAVEMENT WIDENING
- ③ EXISTING HMA LEVELING BINDER
- ④ EXISTING HMA SURFACE COURSE
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (3/4")
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2 ")
- ⑩ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8"
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE, 9"
- ⑫ PROPOSED SUBBASE GRANULAR MATERIAL TYPE A, 4"
- ⑬ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ PROPOSED HOT-MIX ASPHALT SHOULDERS, (MIN 1 1/2 ")
- ⑮ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

TYPICAL SECTION NOTES

- A GUARDRAIL LIMITS FROM STA. 667+60.0 TO STA. 669+97.0
- B GUARDRAIL LIMITS FROM STA. 667+75.0 TO STA. 670+13.0

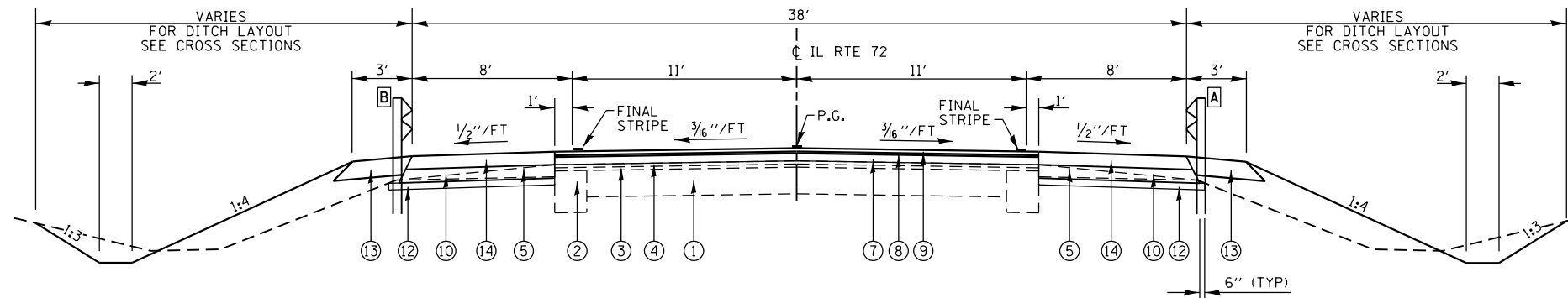
NOTE 1: LEVELING BINDER THICKNESS IS 3/4" THROUGHOUT PROJECT EXCEPT WHERE INCREASED TO MEET 2 1/4" MINIMUM HMA BINDER CSE THICKNESS. SEE MISC. DETAIL SHEET FOR HMA PAVEMENT THICKNESS TAPER DETAIL.

NOTE 2: ESTIMATED VARIABLE DEPTH HMA BINDER THICKNESS
 STA. 664+24.00 TO STA. 665+50.00 - NONE ANTICIPATED
 STA. 665+50.00 TO STA. 668+50.00 - VARIES 0" TO 7"
 STA. 668+50.00 TO STA. 669+20.00 - VARIES 7" TO 10"
 STA. 669+20.00 TO STA. 672+00.00 - VARIES 10" TO 0"
 STA. 672+00.00 TO STA. 672+90.00 - NONE ANTICIPATED

MIXTURE REQUIREMENTS

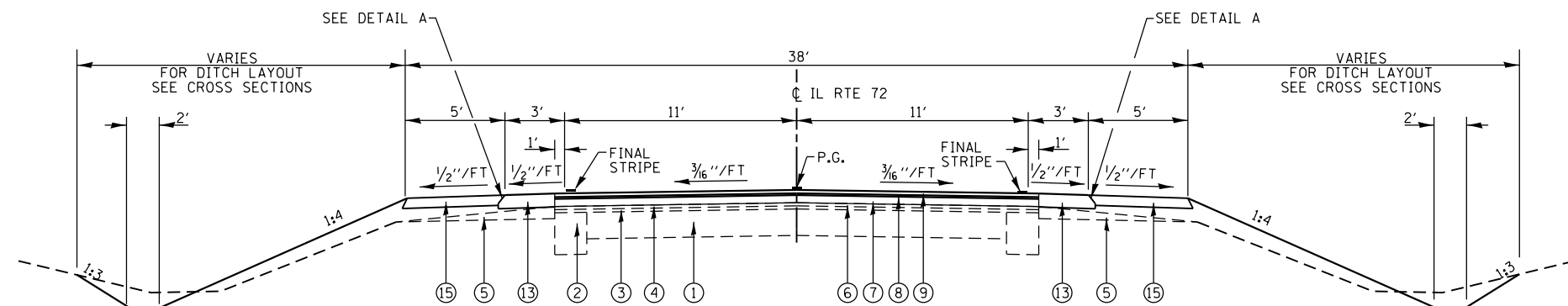
	HMA BINDER COURSE	HMA LEVELING BINDER	HMA SURFACE COURSE	HMA BASE COURSE & BASE COURSE WIDENING	HMA SHOULDERS BOTTOM LIFTS	HMA SHOULDERS TOP LIFT
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL-19.0	IL-9.5 FG	IL-9.5	IL-19.0	IL-19.0	IL-9.5
FRICTION AGGREGATE			MIXTURE D			MIXTURE C
DENSITY TEST METHOD	CORES	% GROWTH CURVE	CORES	CORES	CORES	CORES
MIXTURE WEIGHT	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN
QUALITY MANAGEMENT PROGRAM	OCO A	OCO A	OCO A	OCO A	OCO A	OCO A
SUBLOT SIZE	N/A	N/A	N/A	N/A	N/A	N/A
LOCATION(S)	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT

NOTE: MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.



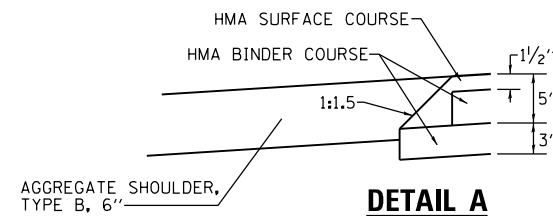
PROPOSED TYPICAL SECTION

STA. 666+40.00 TO STA. 668+50.00
 STA. 669+20.00 TO STA. 671+24.00



PROPOSED TYPICAL SECTION

STA. 664+24.00 TO STA. 666+40.00

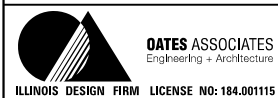


DETAIL A

NOT TO SCALE

- NOTE: 1. SAFETY EDGE TO BE CONSTRUCTED WITH ONLY THE FINAL LIFT OF ASPHALT (SURFACE COURSE).
- 2. SAFETY EDGE TO BE CONSTRUCTED WHEN ASPHALT SHOULDER LESS THAN 4' WIDE.

FILE NAME = M:\26054\WD 8 IL 72 over Kishwaukee\microrotation\CADD_sheets\0366828-ah-t-typicals.dgn



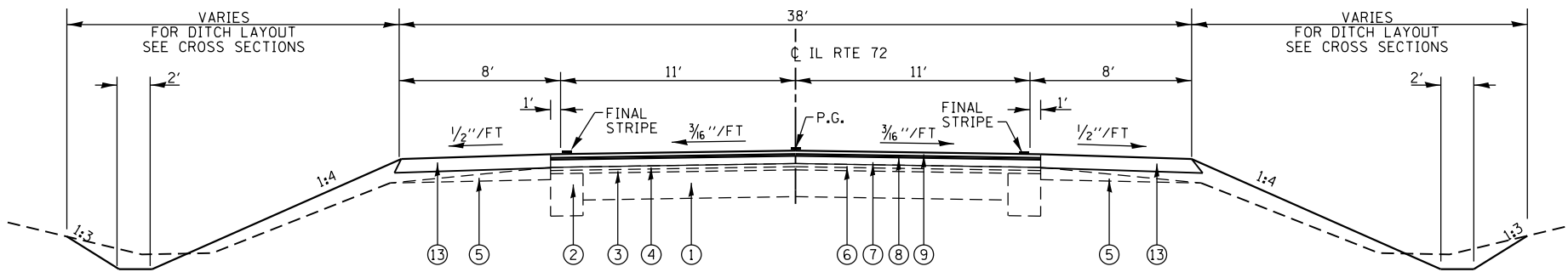
USER NAME = brianheil	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 8/4/2016	DATE -	REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

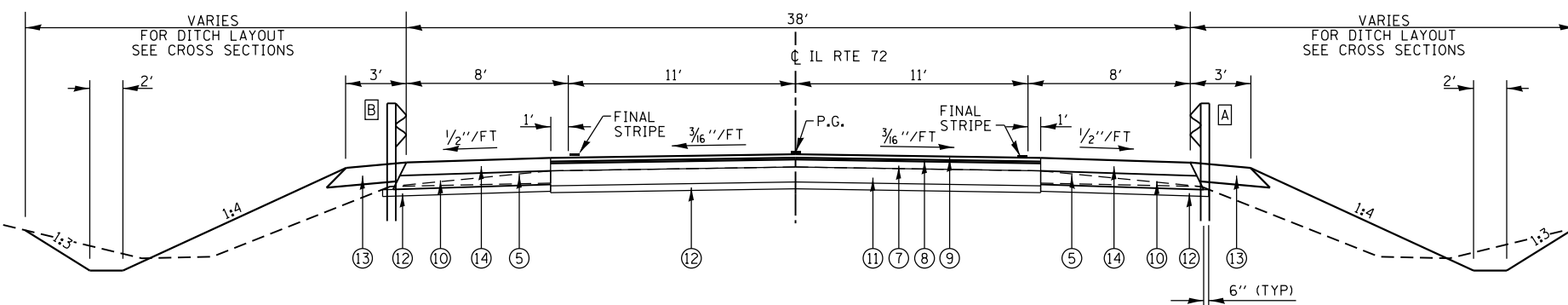
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	9
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

STA. 671+24.00 TO STA. 672+90.00



PROPOSED TYPICAL SECTION

STA. 668+50.00 TO STA. 669+20.00

TYPICAL SECTION LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING PAVEMENT WIDENING
- ③ EXISTING HMA LEVELING BINDER
- ④ EXISTING HMA SURFACE COURSE
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (VARIABLE DEPTH)
- ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD), N50 (3/4")
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- ⑩ PROPOSED HOT-MIX ASPHALT BASE COURSE, 8"
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- ⑭ PROPOSED HOT-MIX ASPHALT SHOULDERS, (MIN 1 1/2 ")
- ⑮ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

TYPICAL SECTION NOTES

- A GUARDRAIL LIMITS FROM STA. 667+60.0 TO STA. 669+97.0
- B GUARDRAIL LIMITS FROM STA. 667+75.0 TO STA. 670+13.0

NOTE 1: LEVELING BINDER THICKNESS IS 3/4" THROUGHOUT PROJECT EXCEPT WHERE INCREASED TO MEET 2 1/4" MINIMUM HMA BINDER CSE THICKNESS. SEE MISC. DETAIL SHEET FOR HMA PAVEMENT THICKNESS TAPER DETAIL.

NOTE 2: ESTIMATED VARIABLE DEPTH HMA BINDER THICKNESS
 STA. 664+24.00 TO STA. 665+50.00 - NONE ANTICIPATED
 STA. 665+50.00 TO STA. 668+50.00 - VARIES 0" TO 7"
 STA. 668+50.00 TO STA. 669+20.00 VARIES 7" TO 10"
 STA. 669+20.00 TO STA. 672+00.00 - VARIES 10" TO 0"
 STA. 672+00.00 TO STA. 672+90.00 - NONE ANTICIPATED

FILE NAME = M:\26054\WD 8 IL 72 over Kishwaukee\Microstation\CADD_sheets\0366828-sh-t-typsecal.dgn



USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	10
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	SUG GRANT MAT A 4 (SQ YD)	HMA BASE CSE 8 (SQ YD)	HMA BASE CSE 9 (SQ YD)	BIT MATLS TACK CT (POUND)	LEV BIND MM N50 (TON)	TEMPORARY RAMP (SQ YD)	HMA BC IL-19.0, N50 (TON)	HMA SC "D" N50 (TON)	PAVEMENT REM (SQ YD)	HMA SURF REM 2 1/4 (SQ YD)	AGGREGATE SHLDS B 6 (SQ YD)	HMA SHOULDERS (TON)	SHOULDER RUMBLE STRIP (FOOT)	HMA SURF REM VAR DP (SQ YD)
664+24	672+90	CL				1039	97			194						
664+24	672+90	LT													866	
664+24	672+90	RT													866	
664+24	664+29	CL					13									
664+24	665+50	CL									336					
664+24	666+40	LT										120	22			
664+24	664+70	RT										23				
664+24	666+26	RT											20			
665+15	665+73	RT										28				
665+50	665+69	CL														51
665+91	671+55	CL							472							
666+26	671+24	RT	485	457									226			
666+40	671+24	LT	453	426									195			
667+04	670+47	LT											53			
667+25	670+68	RT											53			
668+50	669+20	LT	66	62												
668+50	669+20	CL	187		187						239					
671+24	672+07	LT												27		
671+24	672+08	RT												28		
672+32	672+90	RT												19		
672+47	672+90	LT												13		
671+79	672+00	CL														56
672+00	672+90	CL										240				
672+85	672+90	CL					13									
TOTAL			1,191	945	187	1039	97	26	472	194	239	576	171	656	1,732	107

TREE REMOVAL SCHEDULE

STATION	OFFSET	TREE REMOV 6 TO 15 (UNIT)	TREE REMOV OVER 15 (UNIT)
667+66	44' LT	6	
667+82	40' LT	9	
667+86	42' LT		26
668+15	49' LT	6	
668+73	34' LT	6	
668+65	49' LT		25
668+91	32' RT	8	
668+91	32' RT	8	
669+10	28' LT	6	
669+20	53' RT	10	
669+23	53' RT	12	
669+25	53' RT	11	
669+50	37' LT	6	
669+79	36' LT	6	
669+87	41' LT	6	
669+96	36' LT	6	
670+16	34' LT	6	
670+17	35' LT	6	
TOTAL		118	51

ENTRANCE & SIDEROAD SCHEDULE

STATION (NOTE 1)	OFFSET	ENTRANCE TYPE	ENTRANCE WIDTH "W" (NOTE 1) (FOOT)	ENTRANCE DEPTH "D" (FOOT)	EXISTING SURFACE TYPE	AGG SURF CSE B (NOTE 2) (TON)	INCIDENTAL HMA SURF (NOTE 2) (TON)
664+93	RT	CE	13	15	AGG	15	22
665+99	RT	CE	23	15	AGG	22	26
672+21	RT	CE	18	15	AGG	13	14
672+27	LT	THURLBY ROAD	18	30	ASPH		23
TOTAL						50	85

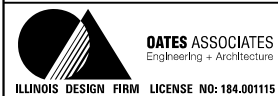
ENTRANCE NOTES:

- PRIOR TO CONSTRUCTION, THE ENGINEER WILL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL ENTRANCES. THE CONTRACTOR SHALL CONFIRM THE FINAL LOCATIONS AND WIDTHS WITH THE ENGINEER PRIOR TO CONSTRUCTION.
- INCIDENTAL HOT-MIX ASPHALT SURFACING QUANTITY IS CALCULATED AT A RATE OF 112 LB/SQ YD/IN. BITUMINOUS MATERIALS (PRIME COAT) IS REQUIRED BUT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. THE COST FOR BITUMINOUS MATERIALS AND AGGREGATE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.

GUARDRAIL SCHEDULE

STATION	STATION	OFFSET	LSG OVER CUL 25' SPAN (FOOT)	TR BAR TRM T1 SPL TAN (EACH)	GUARDRAIL REMOV (FOOT)	GRDRAIL REF TYPE A (EACH)	TERMINAL MARKER - DA (EACH)
667+38	667+88	LT		1			1
667+46	669+82	RT			236		
667+88	667+38	LT		1			1
667+89	670+25	LT			237		
667+88	669+63	LT	175			5	
668+10	669+84	RT	175			5	
667+60	668+10	RT		1			1
669+84	670+34	RT		1			1
TOTAL			350	4	473	10	4

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USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES			
SCALE:	SHEET	OF	TOTAL SHEETS
	1	2	2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	11
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL SCHEDULE

STATION	STATION	OFFSET	SHORT-TERM PAVT MKING (FOOT)	SHRT TRM PAVT MK REM (SQ FT)	TEMP PVT MK LINE 4 (NOTE 1) (FOOT)	TEMP PVT MK LINE 6 (NOTE 1) (FOOT)	TEMP PVT MK LINE 24 (FOOT)	TEMP CONC BARRIER (FOOT)	REL TEMP CONC BARRIER (FOOT)	PIN TEMP CONC BARRIER (EACH)	IMP ATTN TEMP NRD TL3 (EACH)	IMP ATTN REL NRD TL3 (EACH)
STAGE 1												
664+32	664+32	RT					12					
664+88	672+22	RT			736							
666+50	671+24	LT			475							
667+09	671+07						400					
667+09		4' RT								1		
671+07		4' RT								1		
672+14	672+28	LT					14					
672+82	672+82	LT					12					
STAGE 2												
664+24	672+90	RT	261	87								
664+24	672+90	LT	261	87								
664+24	672+90	CL	261	131		217						
665+49	672+61	LT			715							
666+51	671+00	RT			449							
666+78	670+94						16	400	60			
666+78		4' LT									1	
670+93		4' LT									1	
TOTAL			783	305	2,375	217	38	416	400	60	2	2

TRAFFIC CONTROL NOTES:

- THIS IS NOT A TOTAL QUANTITY.

SEEDING SCHEDULE

STATION	STATION	SEEDING CL 3 (ACRE)	NITROGEN FERT NUTR (NOTE 1) (POUND)	PHOSPHORUS FERT NUTR (NOTE 1) (POUND)	POTASSIUM FERT NUTR (NOTE 1) (POUND)	EROSION CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEED (NOTE 2) (POUND)
664+40	672+90	0.75	67	67	67	3,742	225
TOTAL		0.75	67	67	67	3,742	225

PAVEMENT MARKING NOTES:

- APPLICATION RATE FOR FERTILIZER ASSUMES 90 LBS/ACRE.
- APPLICATION RATE FOR TEMP SEEDING ASSUMES 100 LBS/ACRE AND 3 APPLICATIONS.

SANITARY MANHOLE SCHEDULE

STATION	OFFSET	SANITARY MANHOLE ADJ (EACH)
668+00	27' RT	1
671+99	27' RT	1
TOTAL		2

PAVEMENT MARKING SCHEDULE

STATION	STATION	OFFSET	COMMENT	TEMP PVT MK LINE 4 (NOTE 1) (FOOT)	TEMP PVT MK LINE 6 (NOTE 1) (FOOT)	EPOXY PVT MK LINE 4 (FOOT)	EPOXY PVT MK LINE 6 (FOOT)	RAISED REFL PAVT MKR (2-WAY AMBER) (EACH)	PAVT MARKING REMOVAL (SQ FT)	RAISED REF PVT MK REM (EACH)
664+24	672+90	LT	EDGE LINE	866		866			289	
664+24	672+90	RT	EDGE LINE	866		866			289	
664+24	672+90	CL	CENTER LINE		217		217	11	109	11
664+88	672+22	RT	EXISTING LANE LINE						244	
664+88	672+61	CL	EXISTING CENTERLINE						97	
665+49	672+61	LT	EXISTING LANE LINE						238	
STAGE 1										
664+88	672+22	RT	LANE LINE						245	
666+50	671+24	LT	LANE LINE						158	
STAGE 2										
665+49	672+61	LT	LANE LINE						238	
666+51	671+00	RT	LANE LINE						150	
664+32	664+32	RT	TEMPORARY STOP BAR						12	
672+14	672+28	LT	TEMPORARY STOP BAR						14	
672+82	672+82	LT	TEMPORARY STOP BAR						12	
TOTAL				1,732	217	1,732	217	11	2095	11

PAVEMENT MARKING NOTES:

- A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS IN THE EVENT THAT A TEMPORARY SHUTDOWN IS NECESSARY. THIS IS NOT A TOTAL QUANTITY.

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	CHANNEL EXCAV (NOTE 2) (CU YD)
664+40	672+90	885	665	550	115	
UPSTREAM CULVERT						220
DOWNSTREAM CULVERT						9
TOTAL		885	665	550	115	229

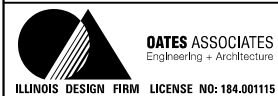
EARTHWORK NOTES:

- ESTIMATED SHRINKAGE FACTOR = 25%.
- SEE GENERAL NOTES FOR CHANNEL EXCAVATION LIMITS.

ROW MARKER SCHEDULE

STATION	OFFSET	FUR ERECT ROW MARKERS (EACH)
667+50	40' RT	1
668+00	50' RT	1
670+50	50' RT	1
671+00	40' RT	1
TOTAL		4

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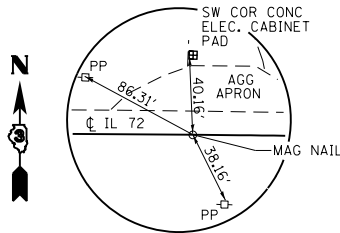


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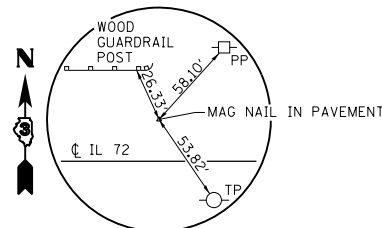
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

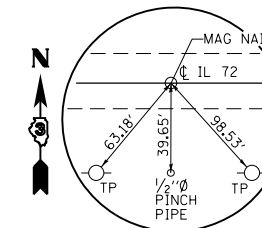
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	12
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



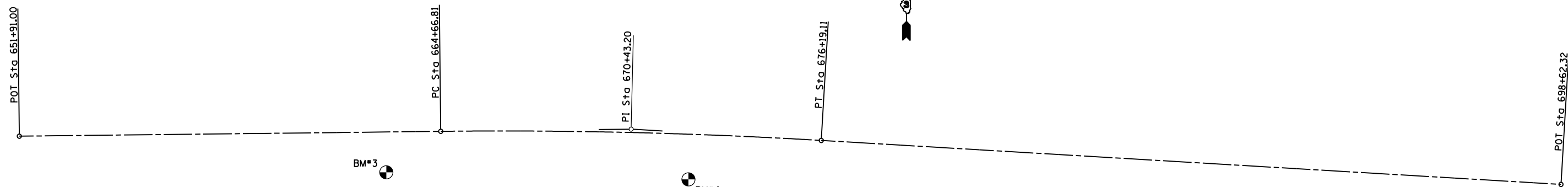
PC STA 664+66.81
 MAG NAIL
 N: 870,544.8424
 E: 1,979,323.0562



PI STA 670+43.20, 10,208' LT
 MAG NAIL IN PAVEMENT
 N: 871,121.1479
 E: 1,979,332.9218



PT STA 676+19.11
 MAG NAIL
 N: 871,696.7065
 E: 1,979,301.9749



PI STA. = 670+43.20
 Δ = 4° 03' 31" (RT)
 D = 0° 21' 08"
 R = 16,267.66'
 T = 576.39'
 L = 1,152.30'
 E = 10.21'
 P.C. STA = 664+66.81
 P.T. STA = 676+19.11

BM#3 - CHIS "4" ON SOUTH EAST FLANGE
 BOLT OF FIRE HYDRANT
 STA 663+32.95, 35.35' RT
 ELEV. 799.16

BM#4 - CHIS "1" TOP NORTH EDGE OF CONCRETE
 LIFT STATION COVER
 STA 671+99.92, 52.10' RT
 ELEV. 796.01

FILE NAME = M:\2605\FAND 8 IL 72 over Kishwaukee\Microstation\CADD_sheets\0366828-sh1-ATB.dgn



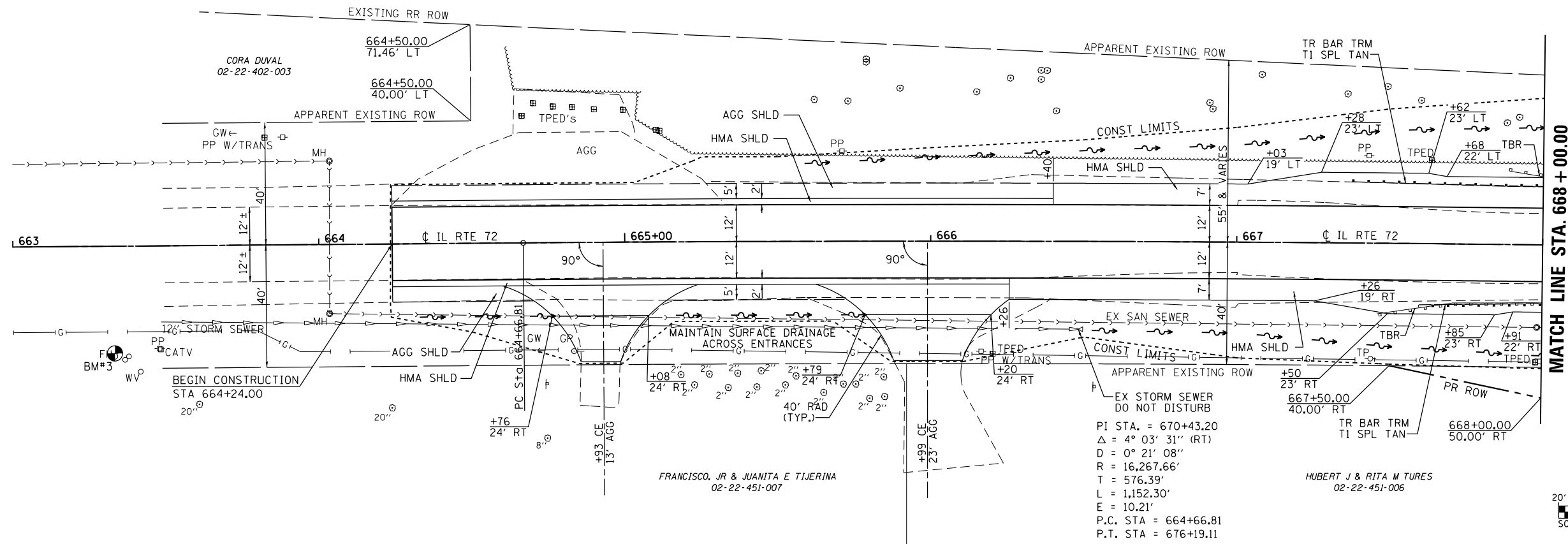
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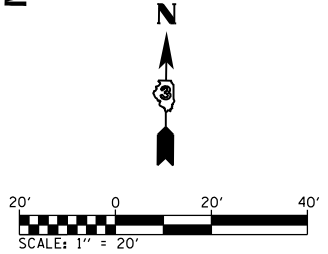
ALIGNMENT & TIES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	13
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

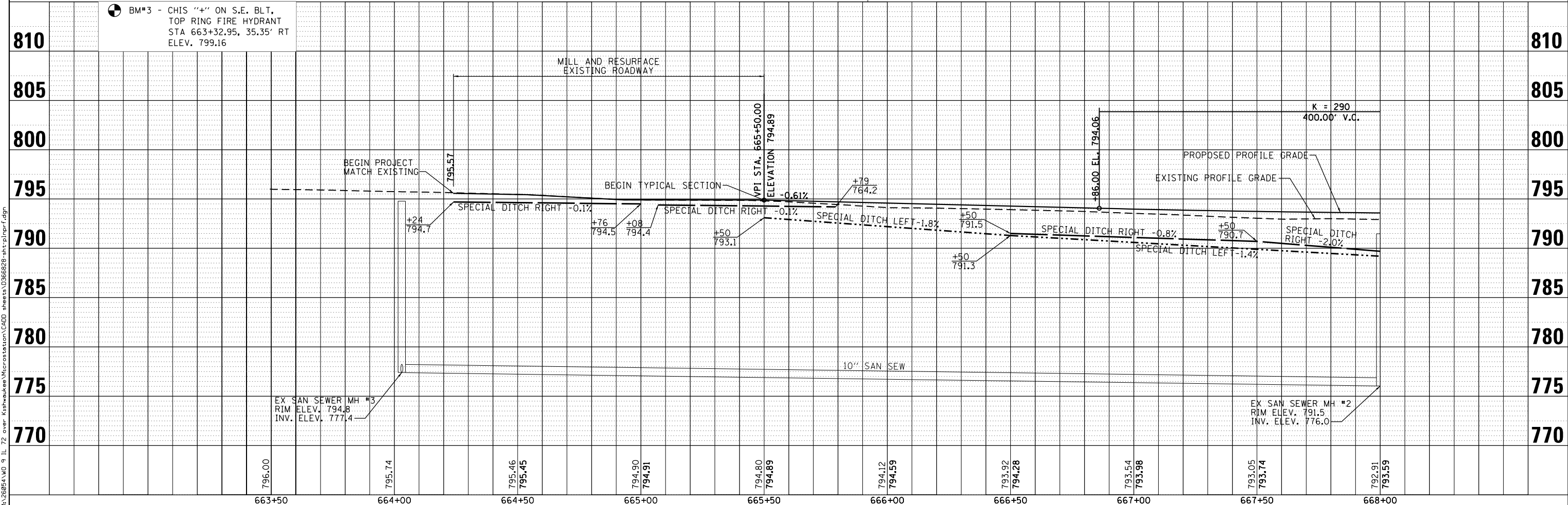


PI STA. = 670+43.20
 $\Delta = 4^\circ 03' 31''$ (RT)
 $D = 0^\circ 21' 08''$
 $R = 16,267.66'$
 $T = 576.39'$
 $L = 1,152.30'$
 $E = 10.21'$
 P.C. STA = 664+66.81
 P.T. STA = 676+19.11



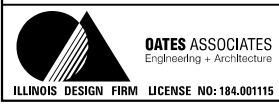
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	PLOTTED	BY
	GRADES CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
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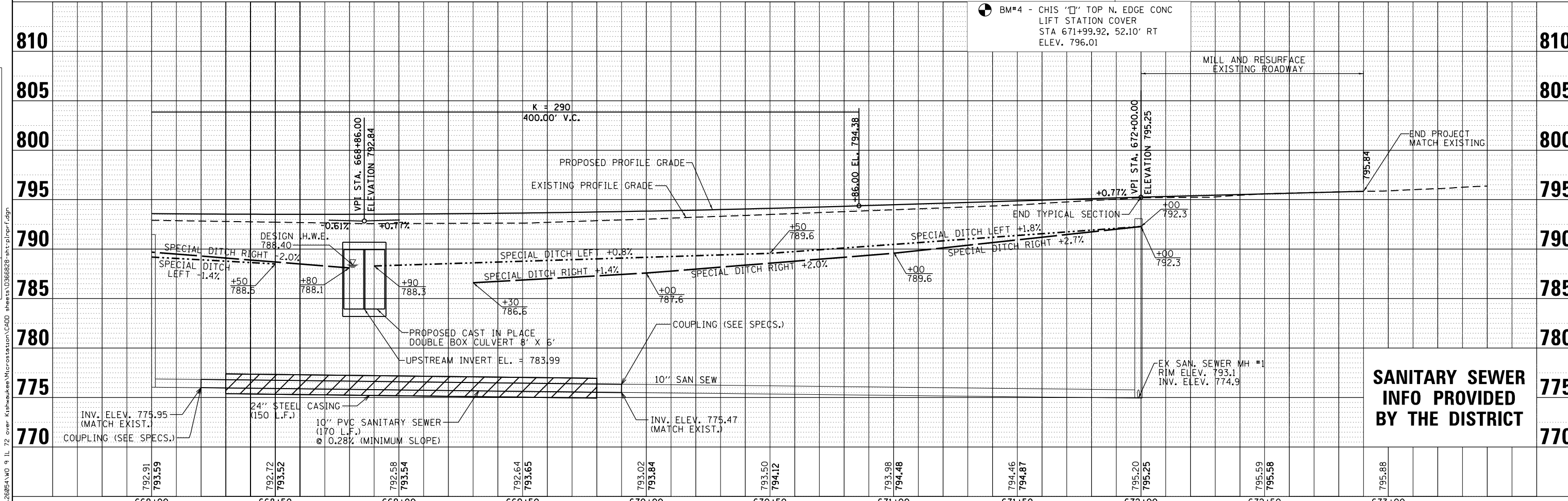
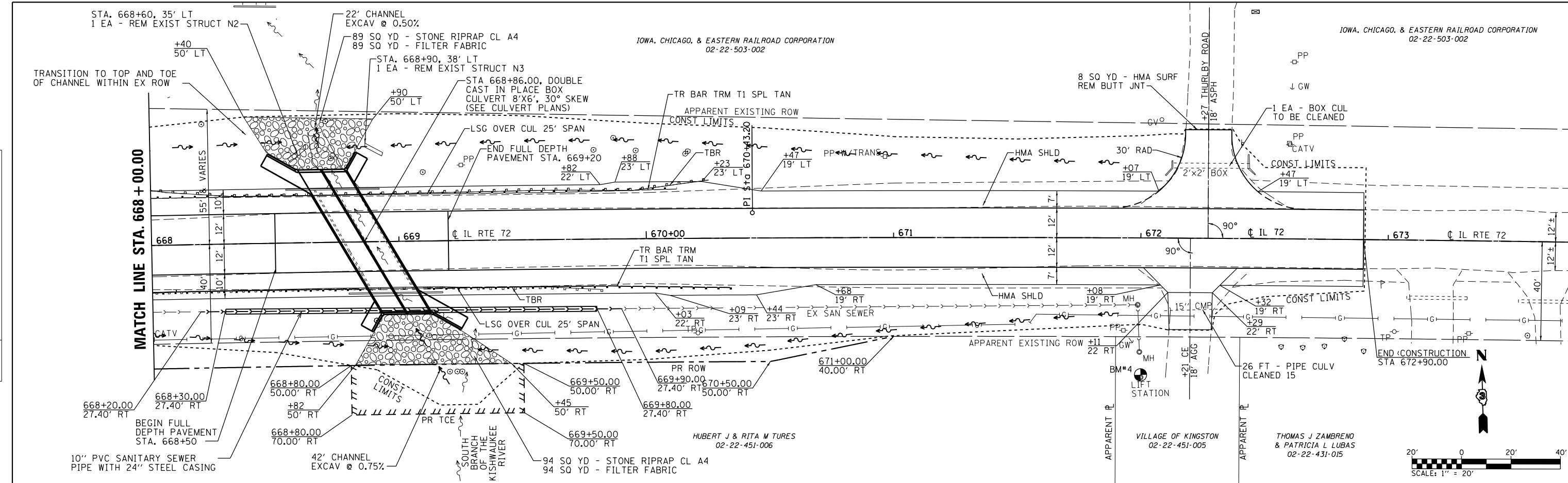
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET 1 OF 2 SHEETS	STA. 663+00 TO STA. 668+00	CONTRACT NO. 66828				
PLOT DATE = 8/4/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

FILE NAME = M:\26854\VD 9 IL 72 over Krishnakumara\Microstation\CADD sheets\036828-ink-pln\prf.dgn



DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
STRUCTURE	
NOT AT THIS OFFICE	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
STRUCTURE	
NOT AT THIS OFFICE	



668+00	668+50	669+00	669+50	670+00	670+50	671+00	671+50	672+00	672+50	673+00										
792.91	793.59	792.72	793.52	792.58	793.54	792.64	793.65	793.02	793.84	793.50	794.12	793.98	794.48	794.46	794.87	795.20	795.25	795.59	795.58	795.88

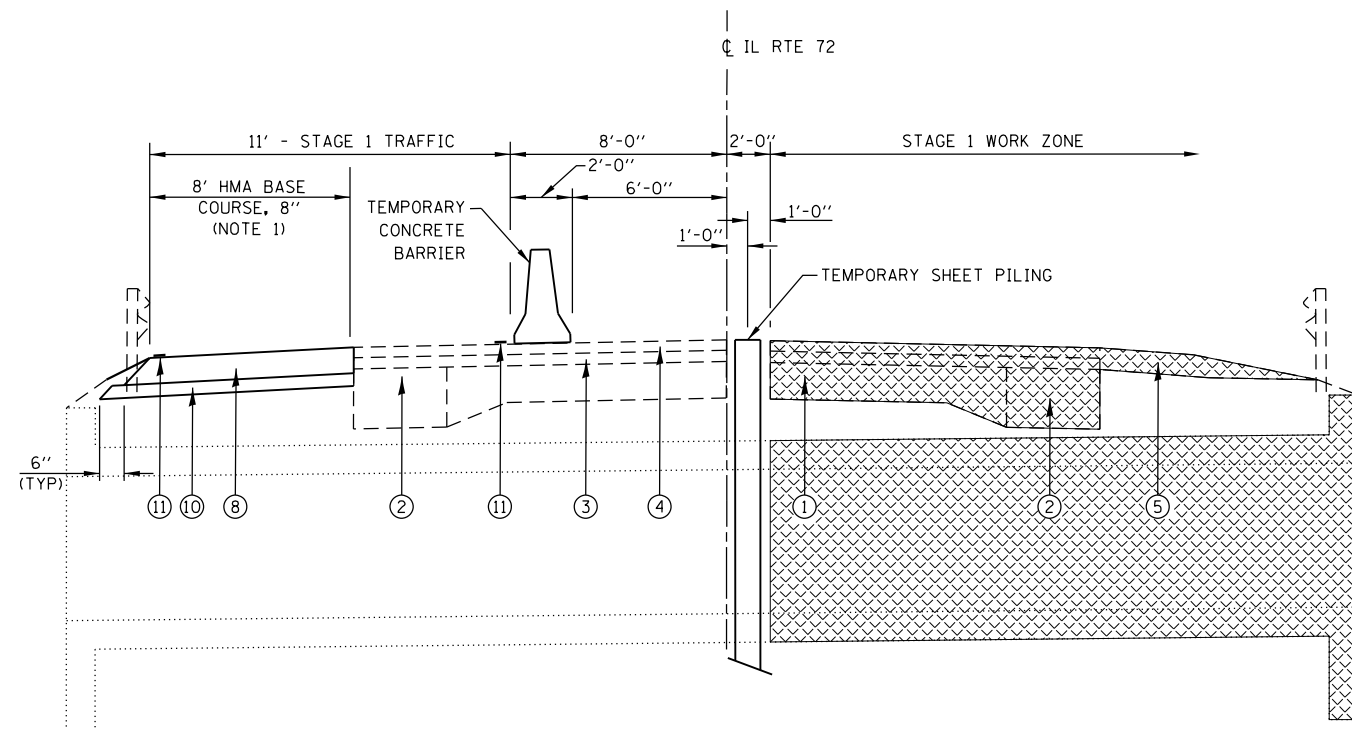
DATES ASSOCIATES
Engineering - Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianhehl	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/4/2016	DATE -	REVISED -

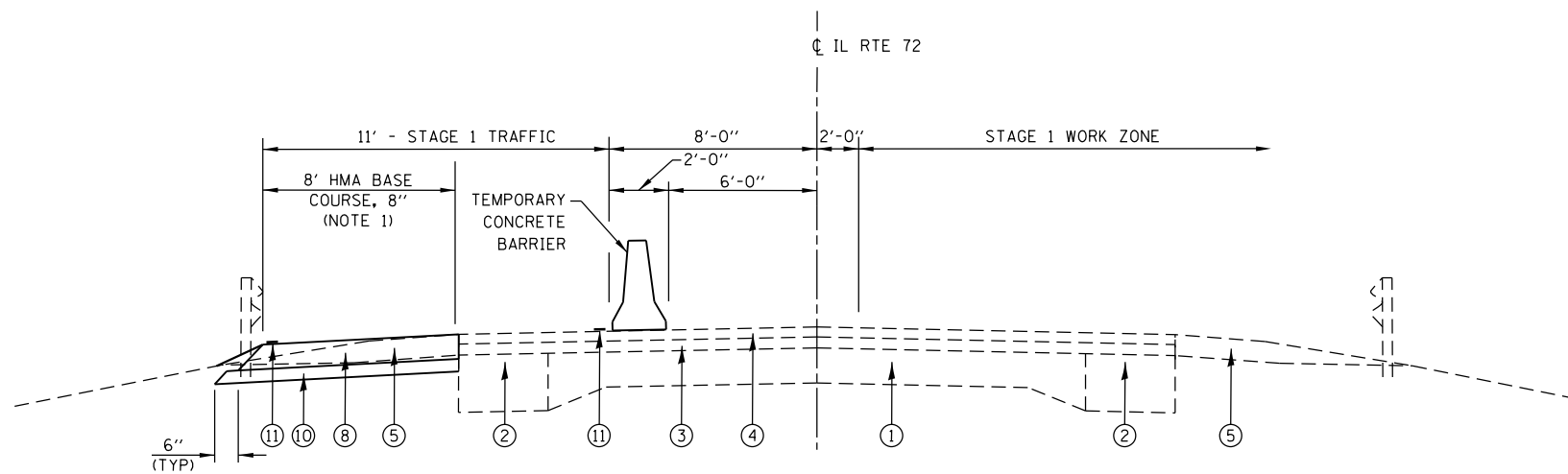
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS
SCALE: SHEET 2 OF 2 SHEETS STA. 668+00 TO STA. 674+00

F.A.P. RTE. 553	SECTION (127) I	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 15
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



STAGE 1 CONSTRUCTION TYPICAL SECTION
(LOOKING EAST AT STRUCTURE)
FOR INFORMATION ONLY



STAGE 1 CONSTRUCTION TYPICAL SECTION
(WEST OF STRUCTURE, LOOKING EAST &
EAST OF STRUCTURE, LOOKING EAST)

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING PAVEMENT WIDENING
- ③ EXISTING HMA LEVELING BINDER
- ④ EXISTING HMA SURFACE COURSE
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HMA BASE COURSE, 8"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑧ PROPOSED HMA BASE COURSE, 8"
- ⑨ PROPOSED HMA BASE COURSE, 9"
- ⑩ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑪ PROPOSED TEMPORARY PAVEMENT MARKING

NOTE 1: HMA BASE COURSE SHALL BE BUILT TO A WIDTH OF 8' TO PROVIDE ENOUGH WIDTH TO SUPPORT THE FINAL SHOULDER WIDTH SHOWN ON THE TYPICAL SECTIONS (SHEET 4)

STAGE CONSTRUCTION GENERAL NOTES

ONE LANE OF TRAFFIC ON ILLINOIS ROUTE 72 SHALL BE MAINTAINED AT ALL TIMES.

THE FURNISHING, PLACEMENT AND REMOVAL OF THE TYPE C BI-DIRECTIONAL REFLECTORS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, STANDARD 701321."

EMERGENCY ACCESS SHALL BE PROVIDED AT ALL TIMES.

SUGGESTED STAGE CONSTRUCTION

SUGGESTED STAGE 1
PHASE 1

1. UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701326, CONSTRUCT THE HMA BASE COURSE WIDENING, 8" ON THE LT SIDE OF THE ROADWAY FROM STA. 666+40 TO STA. 671+24.
2. INSTALL TEMPORARY TRAFFIC SIGNALS AT EACH END OF THE PROJECT, COMMERCIAL ENTRANCES, AND THURLBY ROAD INTERSECTION PRIOR TO CLOSING RT HALF OF ROADWAY AND INSTALLING TEMPORARY PAVEMENT MARKINGS.

PHASE 2

1. UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701321, DIRECT TRAFFIC ON THE LT SIDE OF FAP ROUTE 553.
2. CONSTRUCT TEMPORARY SHEET PILING PARALLEL TO THE CENTERLINE OF FAP ROUTE 553, TEMPORARY SUPPORTS FOR THE BOX CULVERT, AND REMOVE THE RT SIDE OF THE EXISTING STRUCTURE.
3. CONSTRUCT THE RT SIDE OF THE CULVERT.
4. CONSTRUCT THE HMA BASE COURSE, 9" ON THE RT SIDE OF FAP ROUTE 553 FROM STA. 668+50 TO STA. 669+20.
5. CONSTRUCT THE HMA BASE COURSE WIDENING, 8" ON THE RT SIDE OF FAP ROUTE 553 FROM STA. 666+40 TO STA. 671+24.
6. CONSTRUCT THE PROPOSED GUARDRAIL ON THE RT SIDE OF FAP ROUTE 553.
7. INSTALL TEMPORARY PAVEMENT MARKING.

SUGGESTED STAGE 2

1. UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701321, DIRECT TRAFFIC ON THE RT SIDE OF FAP ROUTE 553.
2. REMOVE THE LT SIDE OF THE EXISTING STRUCTURE.
3. CONSTRUCT THE LT SIDE OF THE CULVERT.
4. CONSTRUCT THE HMA BASE COURSE, 9" ON THE LT SIDE OF FAP ROUTE 553 FROM STA. 668+50 TO STA. 669+20.
5. CONSTRUCT THE HMA BASE COURSE WIDENING, 8" ON THE LT SIDE OF FAP ROUTE 553 FROM STA. 668+50 TO STA. 669+20.
6. CONSTRUCT THE PROPOSED GUARDRAIL ON THE LT SIDE OF FAP ROUTE 553.
7. INSTALL TEMPORARY PAVEMENT MARKING.

SUGGESTED STAGE 3

1. UTILIZING TRAFFIC CONTROL AND PROTECTION, STANDARD 701201, COMPLETE HMA SURFACE REMOVAL FOR THE LT AND RT LANES OF FAP ROUTE 553 FROM STA. 664+24 TO STA. 665+50 AND FROM STA. 672+00 TO STA. 672+90.
2. CONSTRUCT THE PROPOSED HMA BINDER COURSE VARIABLE DEPTH FOR THE RT AND LT LANES OF FAP ROUTE 553 FROM STA. 665+50 TO STA. 672+00.
3. CONSTRUCT THE PROPOSED LEVELING BINDER, 3/4" FOR THE RT AND LT LANES OF FAP ROUTE 553 FOR THE ENTIRE PROJECT.
4. CONSTRUCT THE PROPOSED HMA SURFACE COURSE 1 1/2" FOR THE RT AND LT LANES OF FAP ROUTE 553 FOR THE ENTIRE PROJECT.
5. CONSTRUCT THE VARIABLE DEPTH HMA SHOULDER LIFT ON THE LT AND RT SIDE OF FAP ROUTE 553 FROM ST. 666+40 TO STA. 671+24.
6. CONSTRUCT THE 2' HMA SHOULDER ON THE LT AND RT SIDE FROM STA. 664+24 TO STA. 666+40 AND 7' HMA SHOULDER FROM STA. 671+24 TO STA. 672+90
7. CONSTRUCT THE 5' AGGREGATE SHOULDER ON THE LT AND RT SIDE FROM STA. 664+24 TO STA. 666+40.
8. PLACE FINAL PAVEMENT MARKINGS FOR ENTIRE PROJECT.

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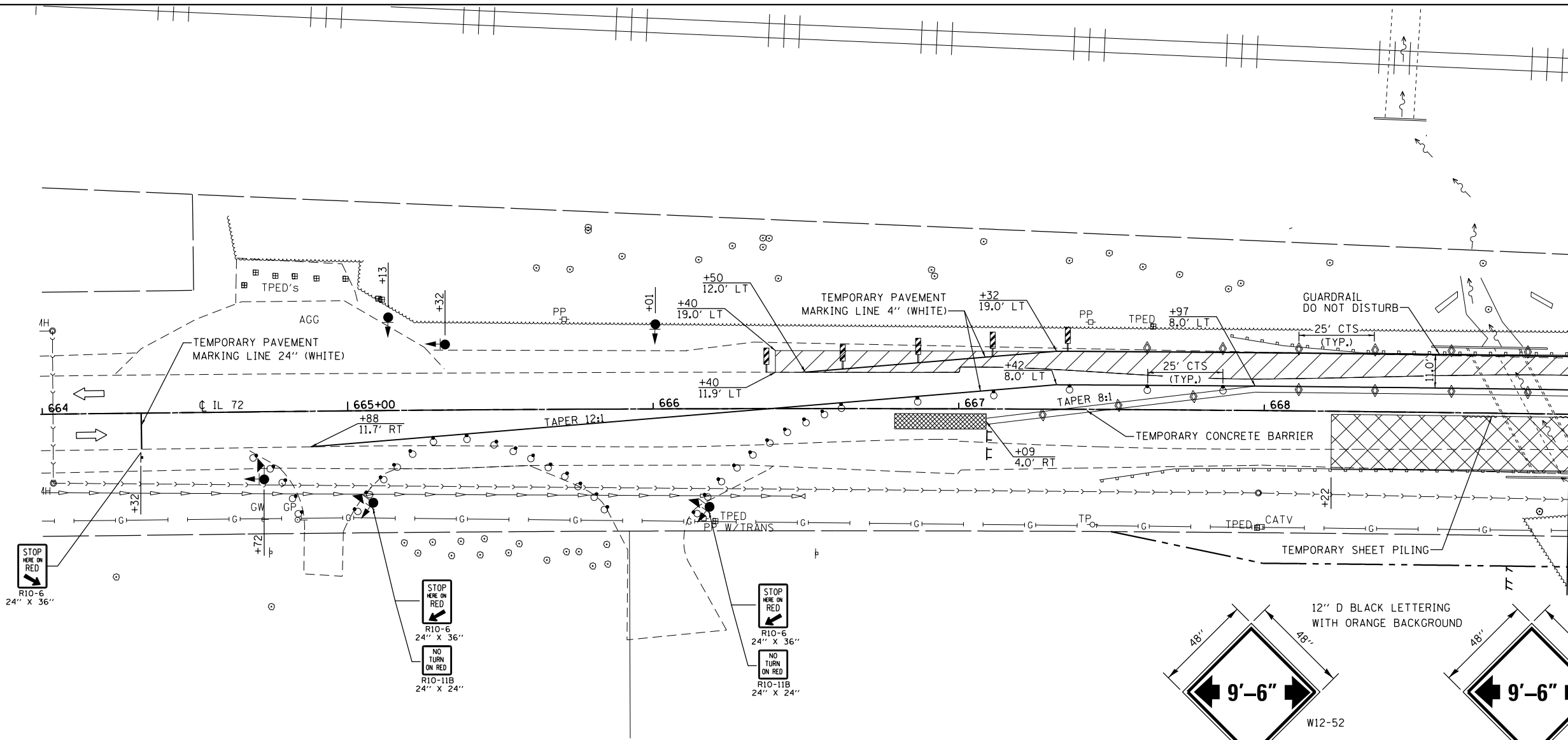
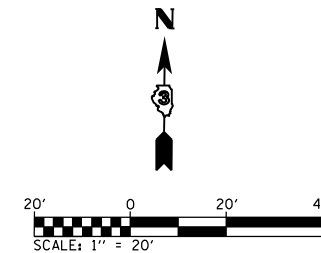
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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

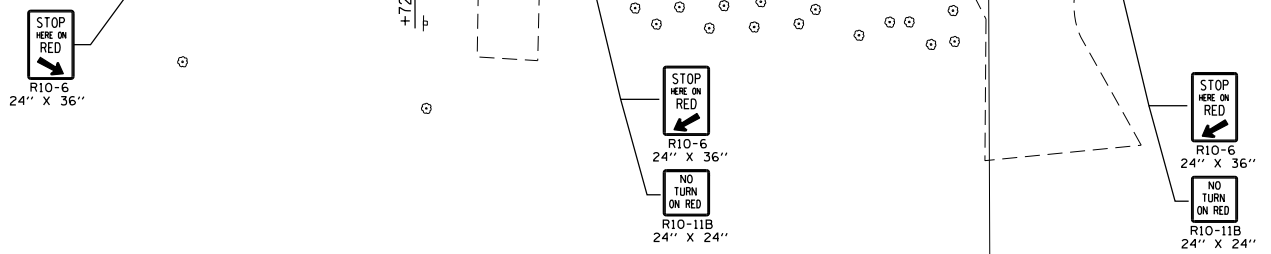
STAGE 1 TYPICAL SECTIONS

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

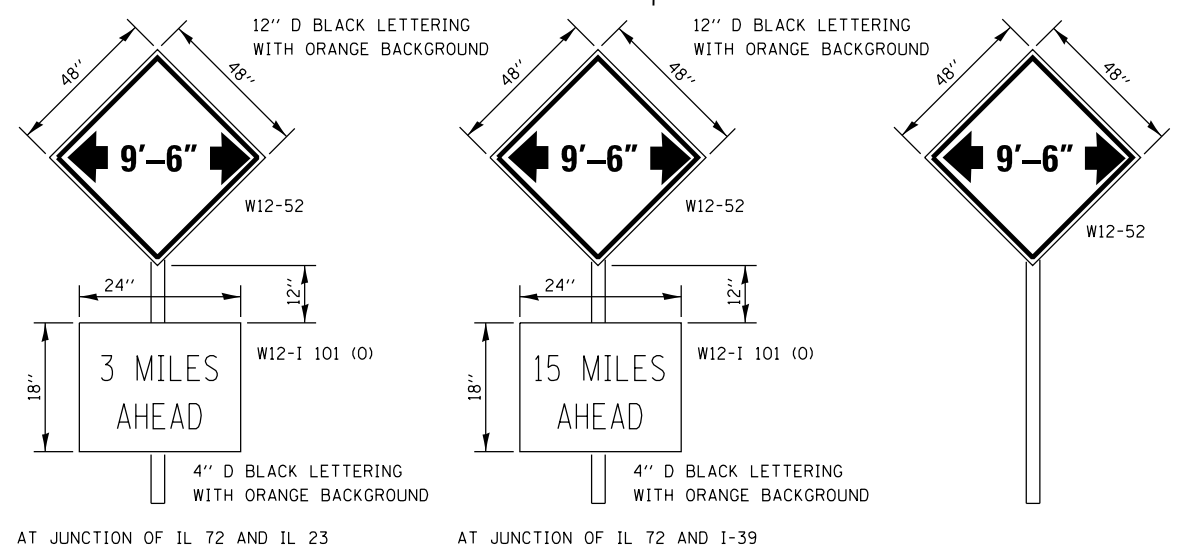
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	16
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 669+00



NOTES:
 1. SIGNING AND BARRICADES OUTSIDE OF THE LIMITS OF THE STOP BARS SHALL BE ACCORDING TO STANDARD 701321.
 2. THE USE OF ADDITIONAL VERTICAL PANELS, DRUMS, ETC. AT THE LOCATIONS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.



A W12-52 SIGN, WITH A W12-1101 SIGN, SHALL BE ERECTED AT THE JUNCTION OF IL 72 AND IL 23 AND AT THE JUNCTION OF IL 72 AND I-39. THE ACTUAL LOCATION OF THE SIGNS TO BE DETERMINED BY THE ENGINEER. AN ADDITIONAL W12-52 SIGN SHALL BE ERECTED 1000 FEET IN EACH DIRECTION FROM THE PROJECT LIMITS PRIOR TO STAGE 1 CONSTRUCTION.

THESE SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR DURING STAGE 1 & 2 CONSTRUCTION AND SHALL BE REMOVED WHEN TRAFFIC IS OPEN FOR STAGE 3.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS

LEGEND

- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE
- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE AND MICROWAVE DETECTORS
- DRUM WITH STEADY BURNING LIGHT
- TEMPORARY PAVEMENT MARKING LINE 24"
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- DOUBLE VERTICAL PANEL
- TYPE C BI-DIRECTIONAL REFLECTOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
- WORK AREA
- SIGN
- HMA BASE COURSE, 8"
- DIRECTION OF TRAFFIC (INFORMATION ONLY)

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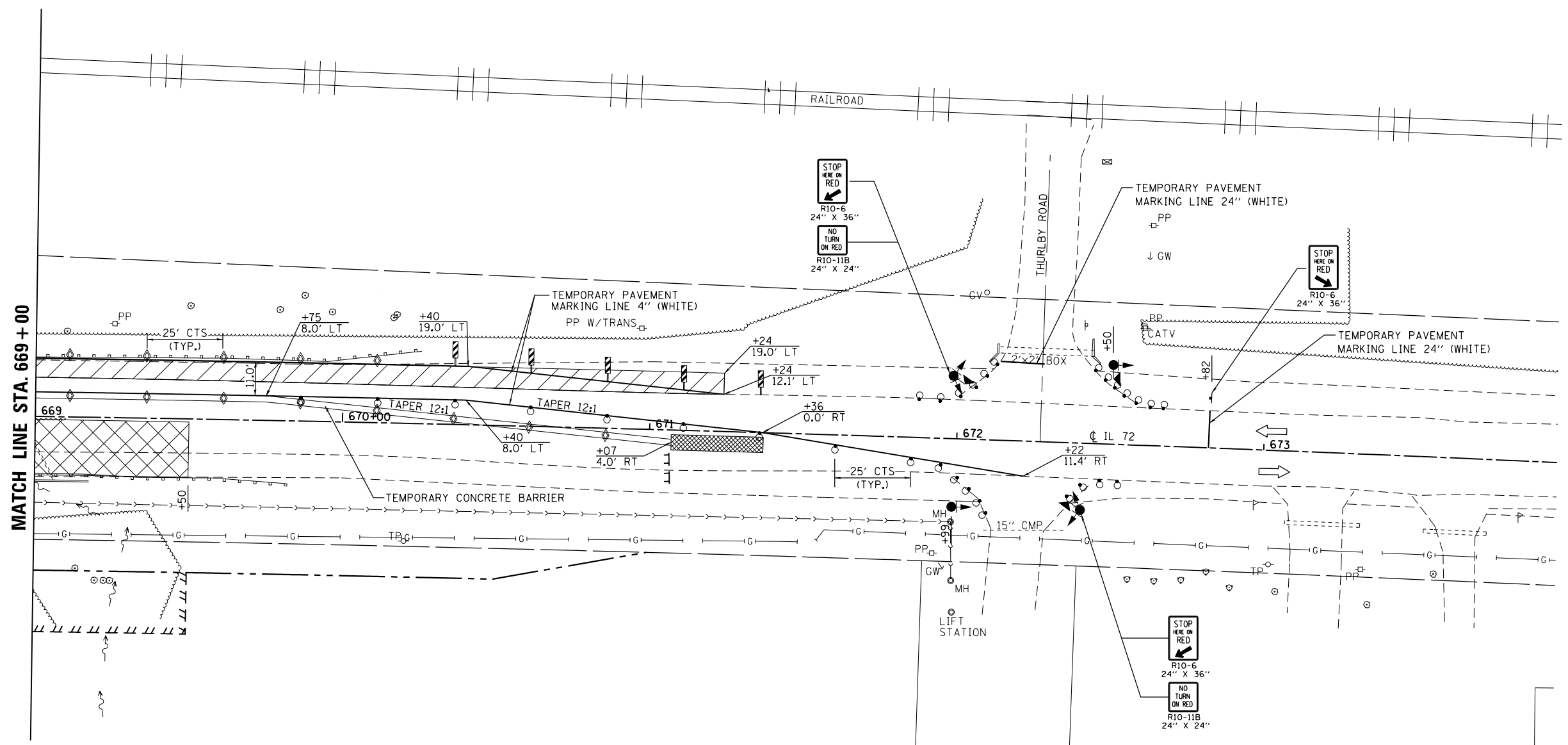
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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION & TRAFFIC CONTROL			
SCALE:	SHEET 2 OF 6 SHEETS	STA. 664+00 TO STA. 669+00	

F.A.P. RTE. 553	SECTION (127) I	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 17
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

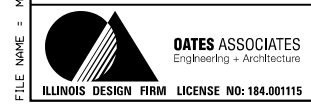
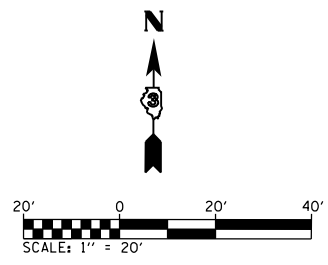
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LEGEND

- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE
- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE AND MICROWAVE DETECTORS
- DRUM WITH STEADY BURNING LIGHT
- TEMPORARY PAVEMENT MARKING LINE 24"
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- DOUBLE VERTICAL PANEL
- TYPE C BI-DIRECTIONAL REFLECTOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
- WORK AREA
- SIGN
- HMA BASE COURSE, 8"
- DIRECTION OF TRAFFIC (INFORMATION ONLY)

NOTES:
 1. SIGNING AND BARRICADES OUTSIDE OF THE LIMITS OF THE STOP BARS SHALL BE ACCORDING TO STANDARD 701321.
 2. THE USE OF ADDITIONAL VERTICAL PANELS, DRUMS, ETC. AT THE LOCATIONS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

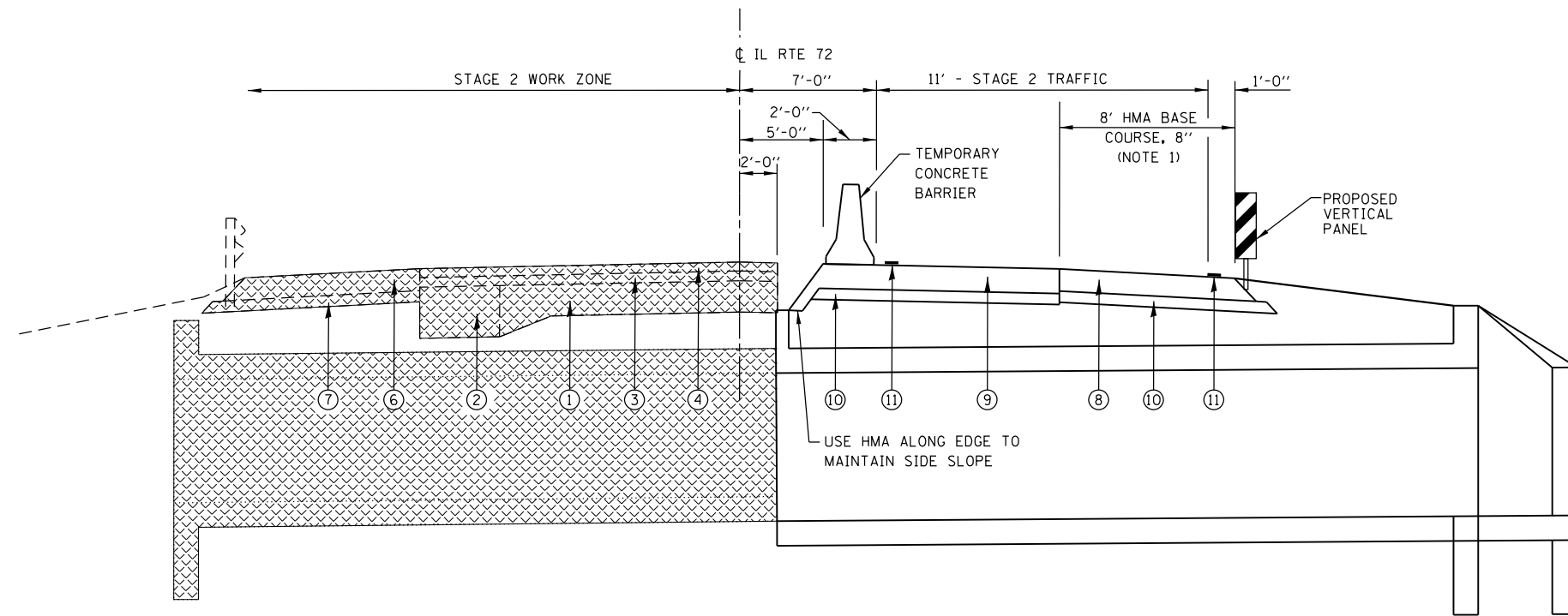


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	DATE -	REVISED -

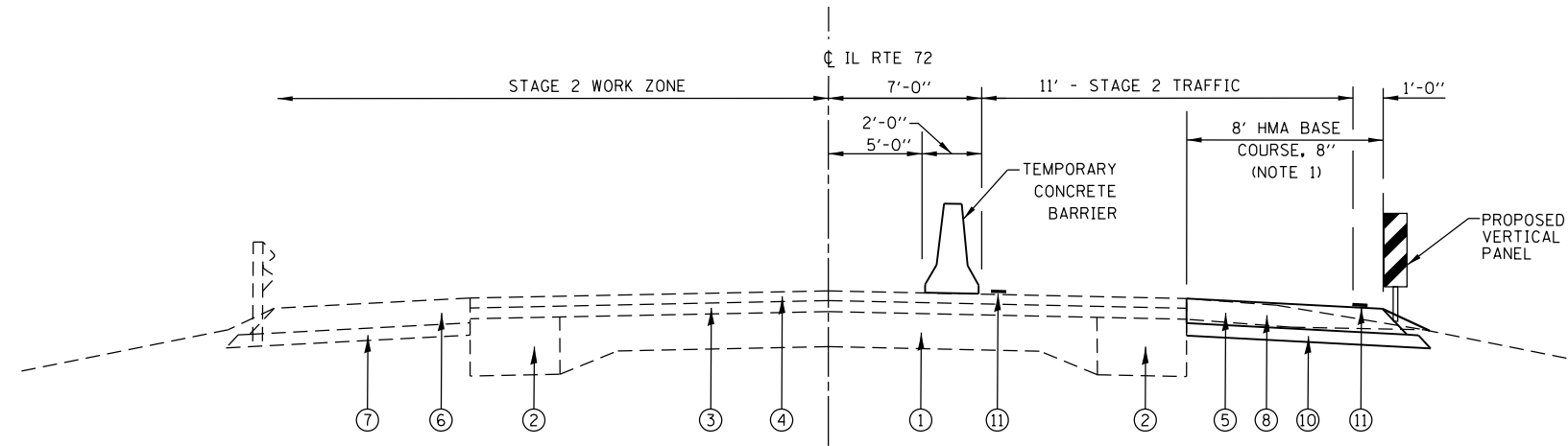
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 CONSTRUCTION & TRAFFIC CONTROL	
SCALE:	SHEET 3 OF 6 SHEETS STA. 669+00 TO STA. 674+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	18
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



STAGE 2 CONSTRUCTION TYPICAL SECTION
 (LOOKING EAST AT STRUCTURE)
 FOR INFORMATION ONLY



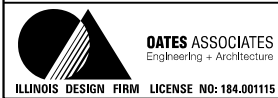
STAGE 2 CONSTRUCTION TYPICAL SECTION
 (WEST OF STRUCTURE, LOOKING EAST &
 EAST OF STRUCTURE, LOOKING EAST)

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING PAVEMENT WIDENING
- ③ EXISTING HMA LEVELING BINDER
- ④ EXISTING HMA SURFACE COURSE
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HMA BASE COURSE, 8"
- ⑦ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑧ PROPOSED HMA BASE COURSE, 8"
- ⑨ PROPOSED HMA BASE COURSE, 9"
- ⑩ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 4"
- ⑪ PROPOSED TEMPORARY PAVEMENT MARKING

NOTE 1: HMA BASE COURSE SHALL BE BUILT TO A WIDTH OF 8' TO PROVIDE ENOUGH WIDTH TO SUPPORT THE FINAL SHOULDER WIDTH SHOWN ON THE TYPICAL SECTIONS (SHEET 4)

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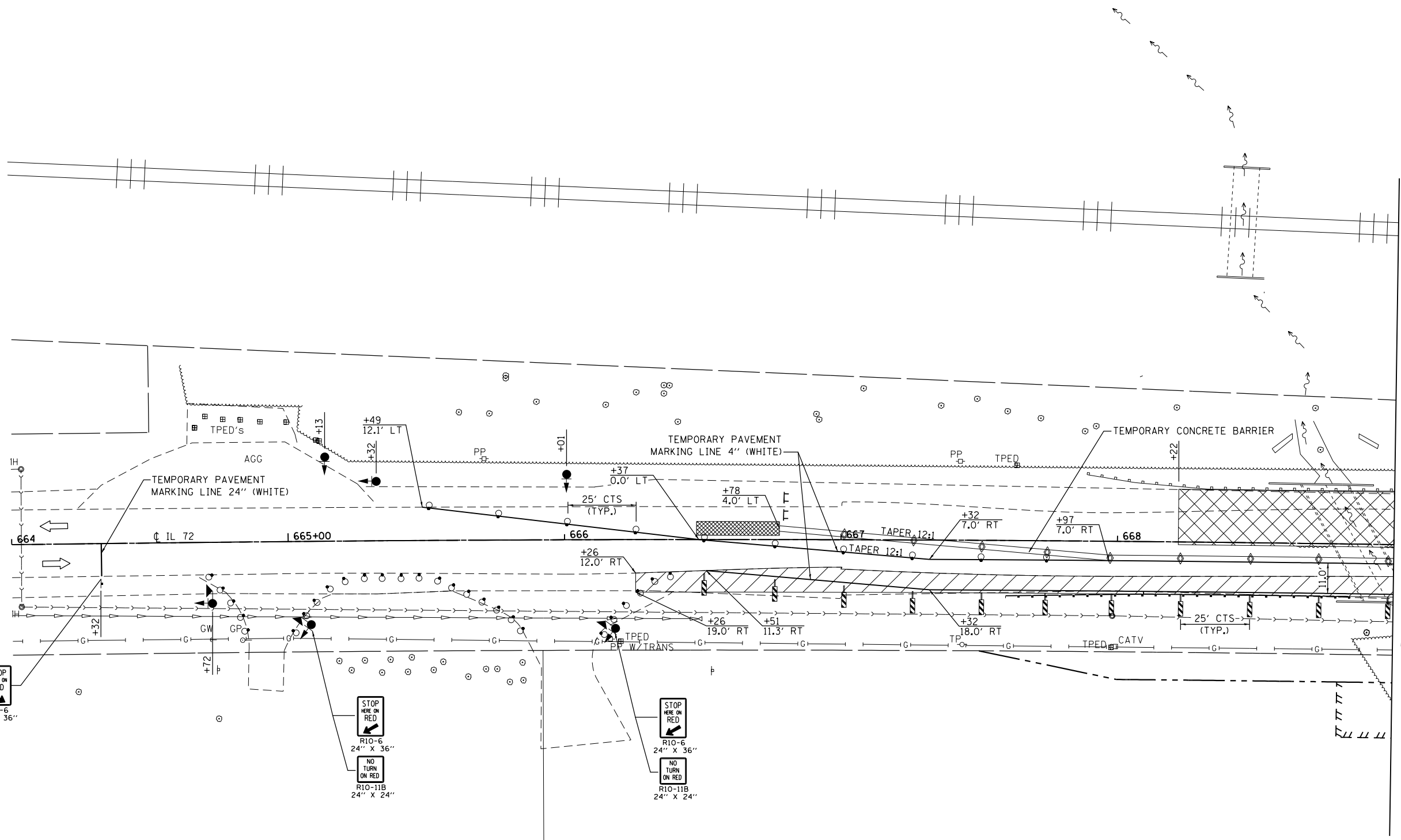
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 2 TYPICAL SECTIONS	
SCALE:	SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	19
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

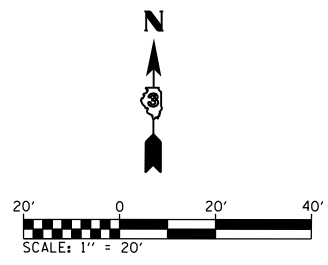
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LEGEND

- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE
- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE AND MICROWAVE DETECTORS
- DRUM WITH STEADY BURNING LIGHT
- TEMPORARY PAVEMENT MARKING LINE 24"
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- DOUBLE VERTICAL PANEL
- TYPE C BI-DIRECTIONAL REFLECTOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
- WORK AREA
- SIGN
- HMA BASE COURSE, 8"
- DIRECTION OF TRAFFIC

NOTES:
 1. SIGNING AND BARRICADES OUTSIDE OF THE LIMITS OF THE STOP BARS SHALL BE ACCORDING TO STANDARD 701321.
 2. THE USE OF ADDITIONAL VERTICAL PANELS, DRUMS, ETC. AT THE LOCATIONS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.



OATES ASSOCIATES
 Engineering + Architecture
 ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

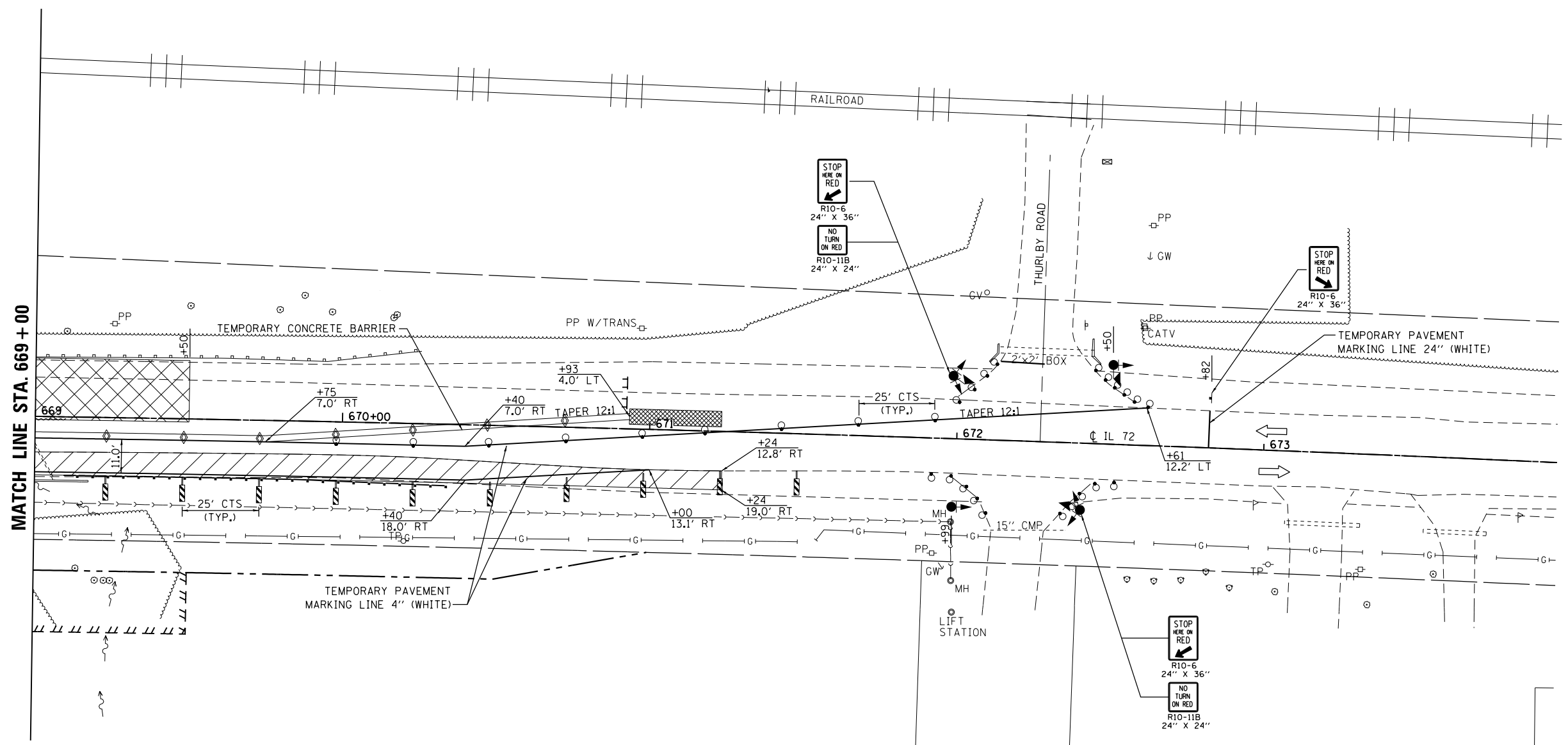
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE 2 CONSTRUCTION & TRAFFIC CONTROL

SCALE: SHEET 5 OF 6 SHEETS STA. 664+00 TO STA. 669+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	20
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

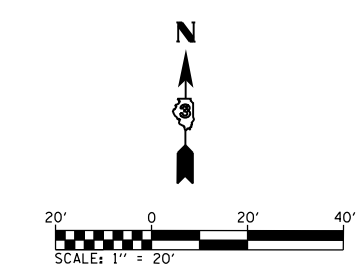
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LEGEND

- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE
- TEMPORARY TRAFFIC SIGNALS WITH BACKPLATE AND MICROWAVE DETECTORS
- DRUM WITH STEADY BURNING LIGHT
- TEMPORARY PAVEMENT MARKING LINE 24"
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- DOUBLE VERTICAL PANEL
- TYPE C BI-DIRECTIONAL REFLECTOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- STEADY BURNING LIGHTS AND DOUBLE VERTICAL PANELS
- WORK AREA
- SIGN
- HMA BASE COURSE, 8"
- DIRECTION OF TRAFFIC

NOTES:
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 2. THE USE OF ADDITIONAL VERTICAL PANELS, DRUMS, ETC. AT THE LOCATIONS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

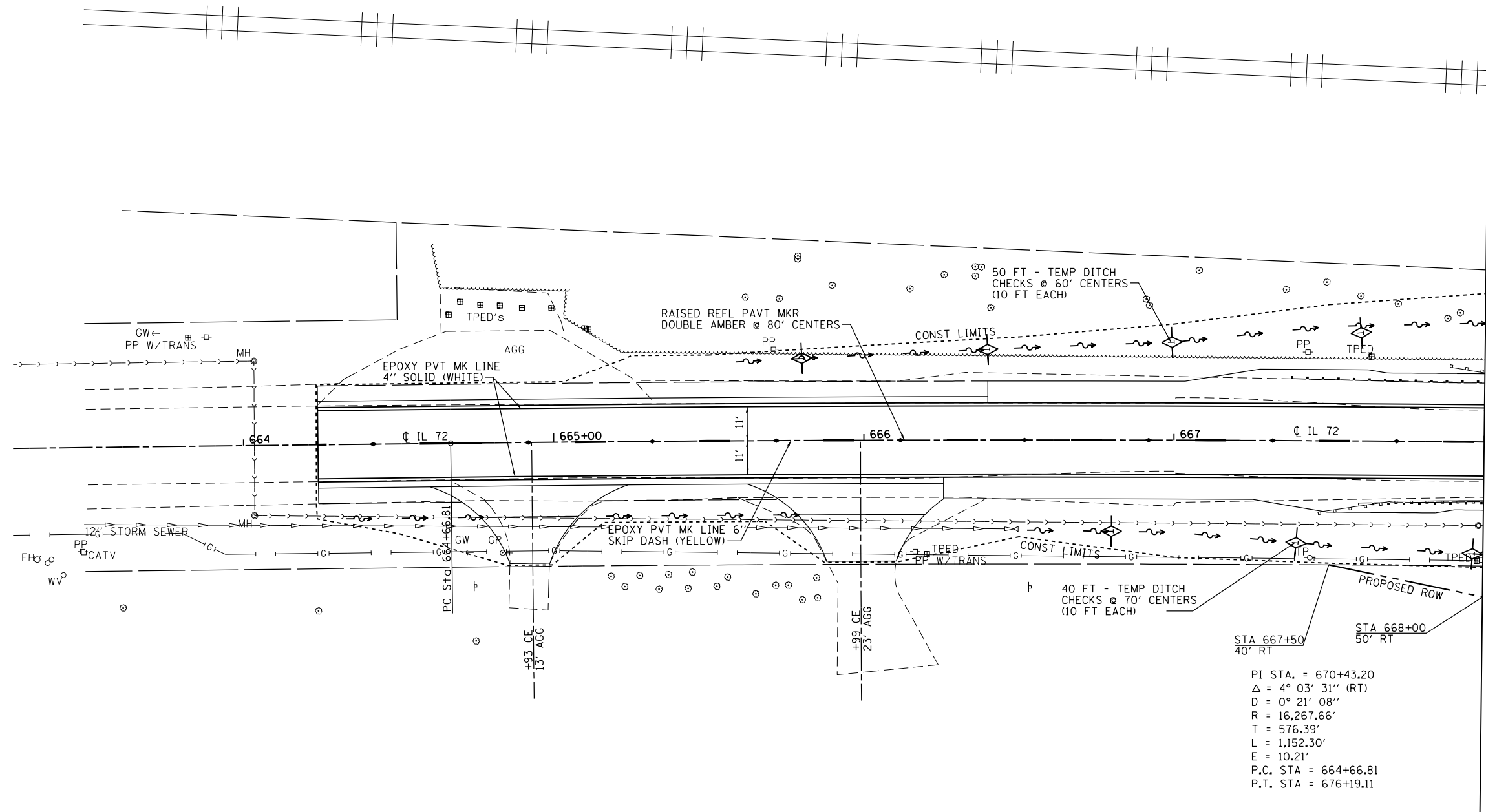


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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

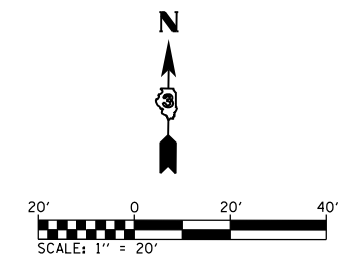
STAGE 2 CONSTRUCTION & TRAFFIC CONTROL
 SCALE: SHEET 6 OF 6 SHEETS STA. 669+00 TO STA. 674+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	21
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

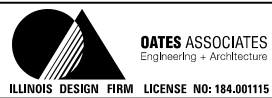


MATCH LINE STA. 668 + 00.00

NOTE: SEE HIGHWAY STANDARD 000001 FOR LANDSCAPING AND EROSION CONTROL LEGEND.



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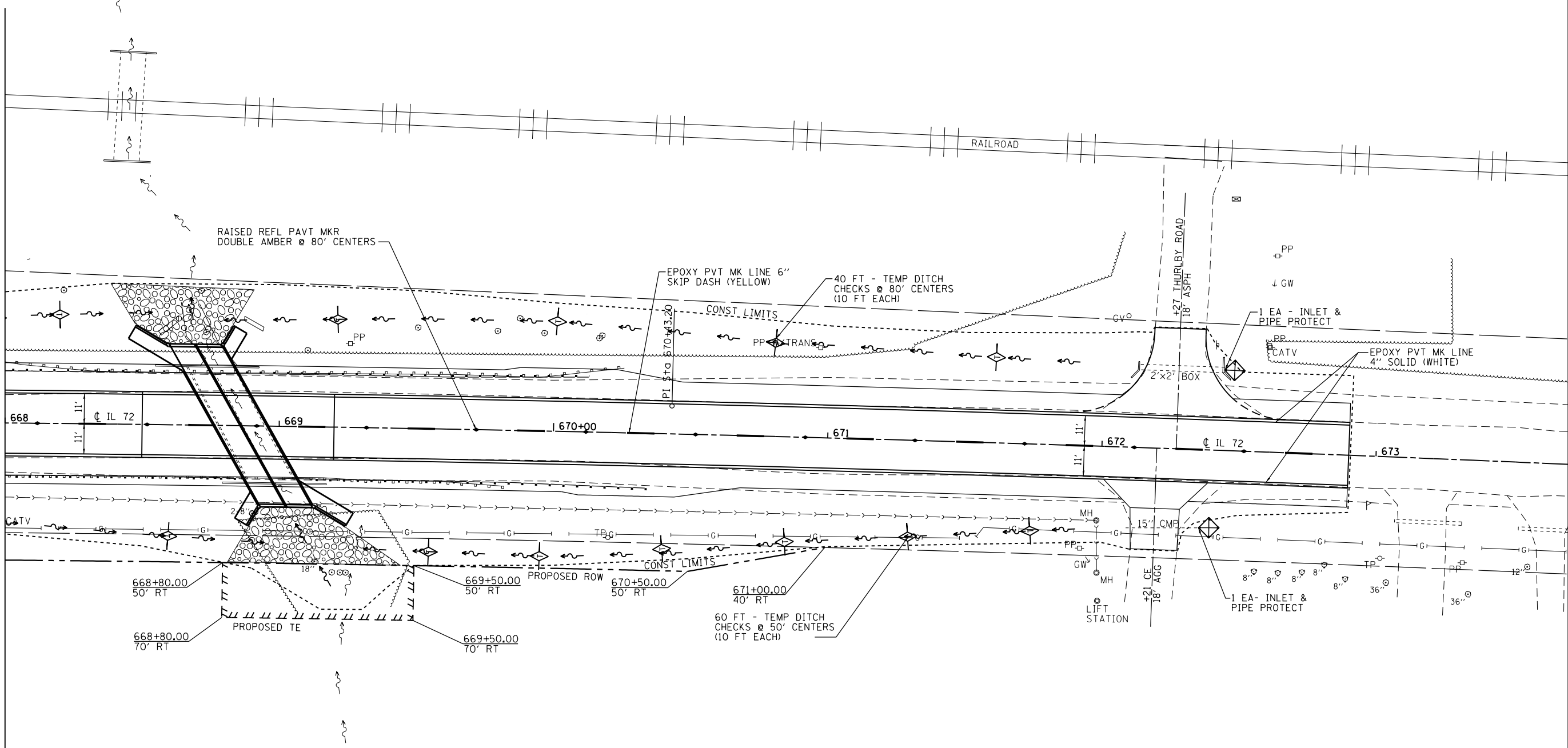
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & PAVEMENT MARKINGS

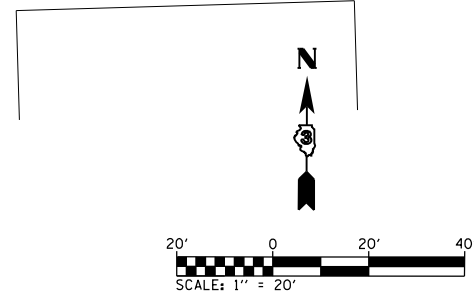
SCALE: SHEET 1 OF 2 SHEETS STA. 664+00 TO STA. 668+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	22
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 668 + 00.00



NOTE: SEE HIGHWAY STANDARD 000001 FOR LANDSCAPING AND EROSION CONTROL LEGEND.



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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/4/2016	DATE -	REVISED -

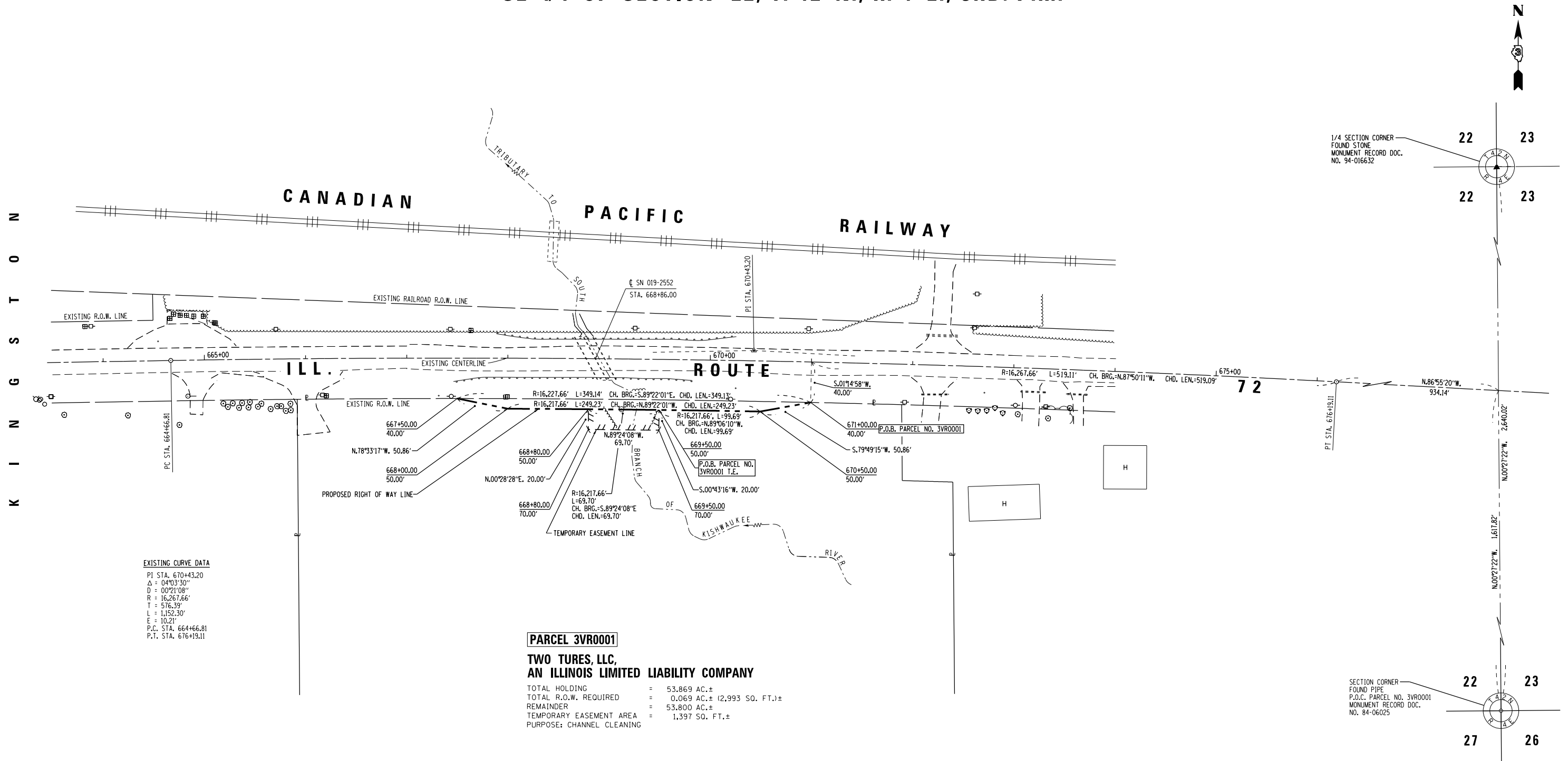
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & PAVEMENT MARKINGS

SCALE: SHEET 2 OF 2 SHEETS STA. 668+00 TO STA. 674+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	23
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

SE 1/4 OF SECTION 22, T. 42 N., R. 4 E., 3RD. P.M.



SURVEYOR'S CERTIFICATE

I, GERRY L. WOLTERING, CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THIS SURVEY OF F.A.P. 553 (ILL. RTE. 72) WAS MADE BY ME, OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT ALL MONUMENTS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN HEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED, _____

GERRY L. WOLTERING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3491
 LICENSE RENEWAL DATE 11-30-2016



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (97 ADJ.).

ALL AREAS ARE BASED ON GROUND DISTANCES.

GRID TO GROUND COMBINED FACTOR = 0.9999578

TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR OFFICE

FILE NAME: p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\036688\Drawings\036688\right of way\036688\right of way.dgn	USER NAME: duncanbd	DESIGNED: -	REVISED: 02-16-16 REVISED NAME: G.W.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE. 553	SECTION (127)I	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 24
PLOT SCALE: 1"=50'	CHECKED: -	REVISED: -	DATE: -		PROJECT: ILLINOIS ROUTE 72	JOB NO. R-93-010-09	ILLINOIS ROUTE 72		CONTRACT NO. 66828		
PLOT DATE: 8/9/2016	DATE: -	REVISED: -	DATE: -		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. 667+50.00 TO STA. 671+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

Benchmark: BM#3, Chiseled "X" on S.E. bolt, top ring fire hydrant. Sta. 663+32.95, 35.35' Rt., Elev. 799.16
 BM#4, Chiseled "□" top N. edge concrete lift station cover. Sta. 671+99.92, 52.10' Rt., Elev. 796.01

Existing Structure: S.N. 019-2552, Double 7'-6" x 5'-0" cast in place box culvert. 48'-3" out to out built in 1931 as Section 127. To be removed and replaced with a double 8'-0" x 6'-0" box culvert. Traffic to be maintained utilizing stage construction.

No Salvage.

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	General Notes & Staged Construction Details
3-4	Structure Details
5	Bar Splicer Assembly and Mechanical Splicer Details
6	Soil Boring Logs

STATION 668+86
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. RT. 553 SEC. (127)I
 LOADING HS20
 STRUCTURE NO. 019-2025

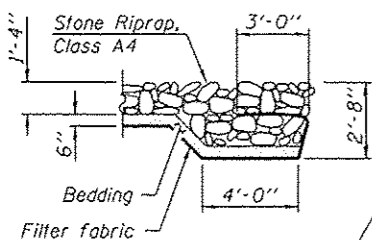
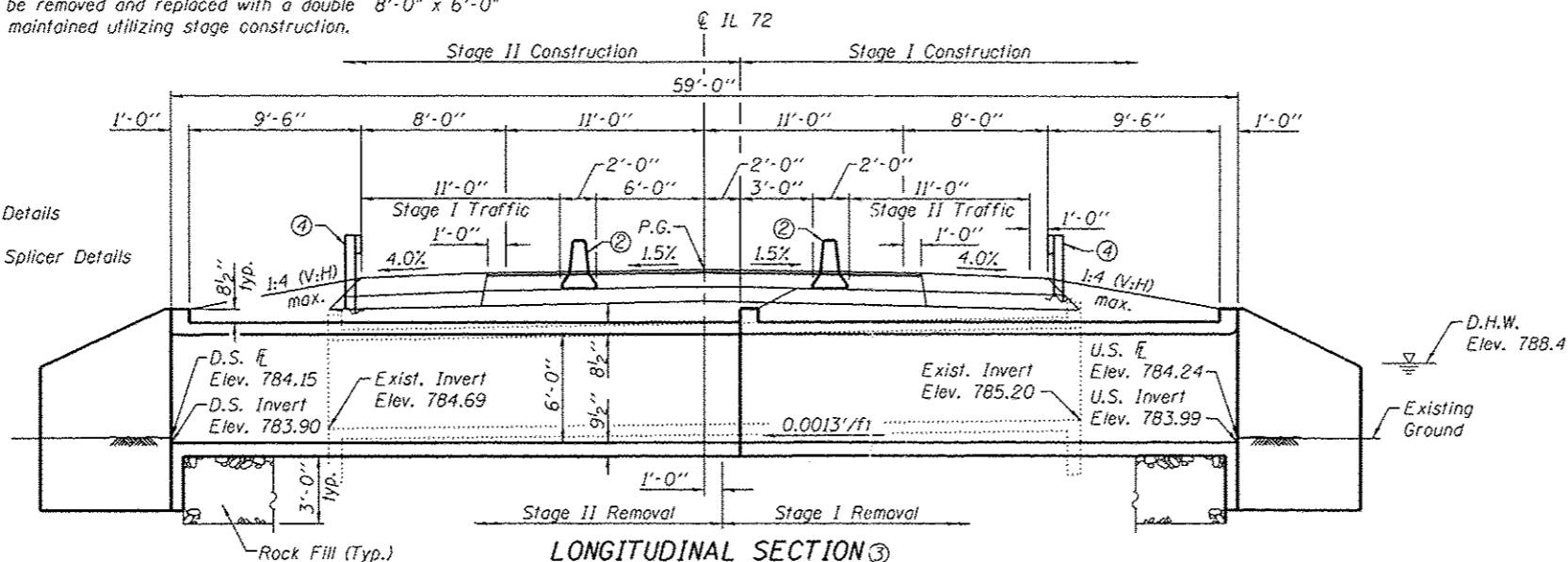
NAME PLATE
 See Std. 515001

WATERWAY INFORMATION

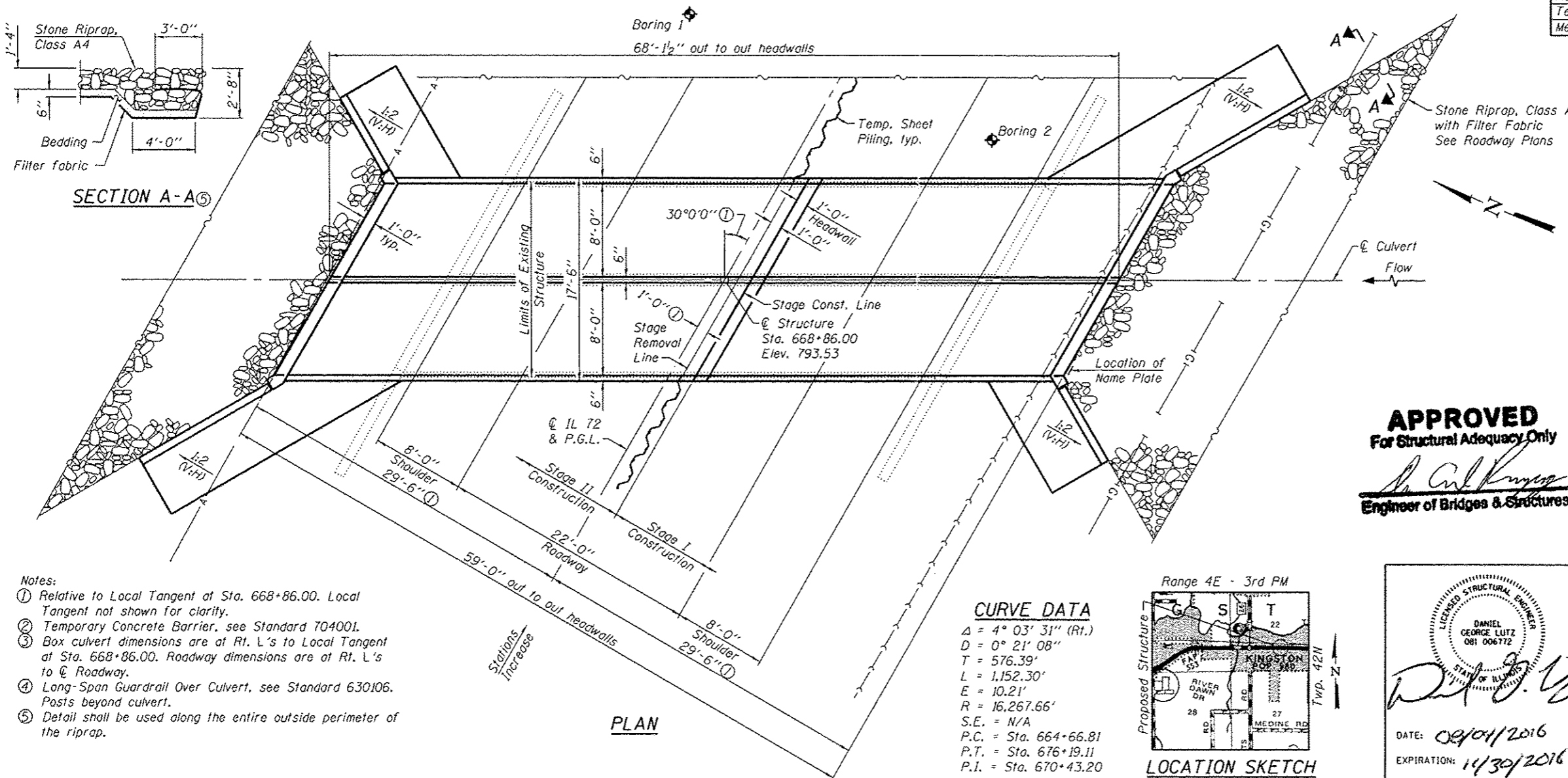
Flood	Freq. Yr.	Q	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater E.I.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	149	36	67	788.0	0.0	0.0	788.0	788.0	
Design	50	222	40	72	788.4	0.3	0.1	788.7	788.4
Base	100	262	42	75	788.5	0.7	0.4	789.2	788.9
Overlapping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	341	45	78	788.7	1.5	1.2	790.2	789.9

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	286
Stone Riprap, Class A4	Sq. Yd.	183
Filter Fabric	Sq. Yd.	183
Removal of Existing Structures No. 1	Each	1
Structure Excavation	Cu. Yd.	424
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	210
Reinforcement Bars	Pound	31,370
Reinforcement Bars, Epoxy Coated	Pound	210
Bar Splicers	Each	84
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	763
Concrete Box Culverts	Cu. Yd.	110.2
Rock Fill	Cu. Yd.	210
Temporary Support System	L. Sum	1
Membrane Waterproofing for Culverts	Sq. Yd.	238



SECTION A-A

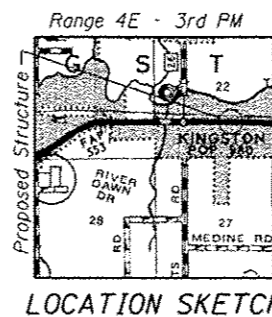


PLAN

- Notes:
- Relative to Local Tangent at Sta. 668+86.00. Local Tangent not shown for clarity.
 - Temporary Concrete Barrier, see Standard T04001.
 - Box culvert dimensions are at Rt. L's to Local Tangent at Sta. 668+86.00. Roadway dimensions are at Rt. L's to \bar{C} Roadway.
 - Long-Span Guardrail Over Culvert, see Standard 630106. Posts beyond culvert.
 - Detail shall be used along the entire outside perimeter of the riprap.

CURVE DATA

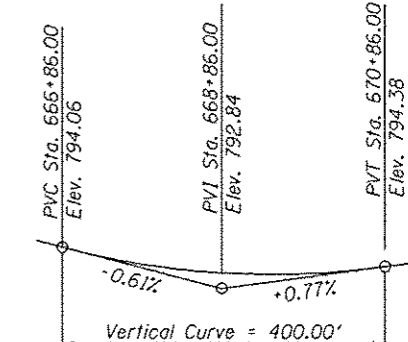
$\Delta = 4^{\circ} 03' 31''$ (Rt.)
 $D = 0^{\circ} 21' 08''$
 $T = 576.39'$
 $L = 1,152.30'$
 $E = 10.21'$
 $R = 16,267.66'$
 $S.E. = N/A$
 $P.C. = Sta. 664+66.81$
 $P.T. = Sta. 676+19.11$
 $P.I. = Sta. 670+43.20$



LOCATION SKETCH

APPROVED
 For Structural Adequacy Only
 Daniel George Lutz
 Engineer of Bridges & Structures

LICENSED STRUCTURAL ENGINEER
 DANIEL GEORGE LUTZ
 081 006772
 STATE OF ILLINOIS
 DATE: 08/04/2016
 EXPIRATION: 11/30/2016



PROPOSED PROFILE GRADE
 (along \bar{C} Roadway)

DESIGN SPECIFICATIONS
 2002 AASHTO

DESIGN STRESSES
 FIELD UNITS

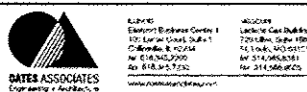
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

Maximum Applied Service Bearing Pressure, $Q_{max} = 2,400$ psf

LOADING HS20-44

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

GENERAL PLAN & ELEVATION
IL 72 OVER TRIBUTARY OF SOUTH
BRANCH OF KISHWAUKEE RIVER
F.A.P. ROUTE 553 - SECTION (127)I
DEKALB COUNTY
STATION 668+86.00
STRUCTURE NO. 019-2025



USER NAME	DESIGNED	REVISIONS
JAD	JAD	-
SJN	SJN	-
JAD	JAD	-
SJN	SJN	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	25

CONTRACT NO. 66828
 [ILLINOIS] FED. AID PROJECT

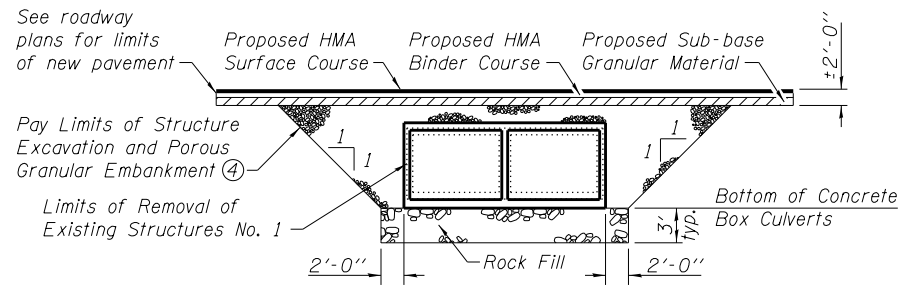
GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

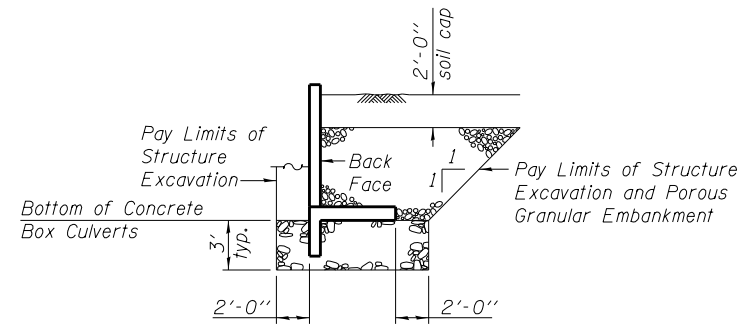
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

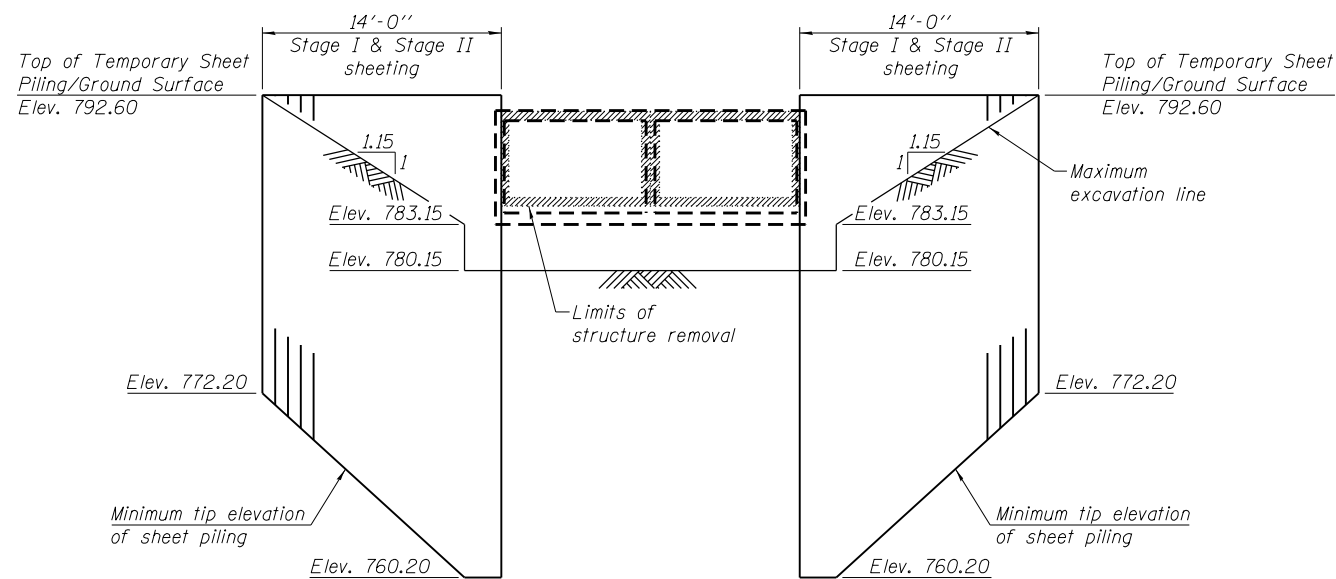
Precast alternate is not allowed.



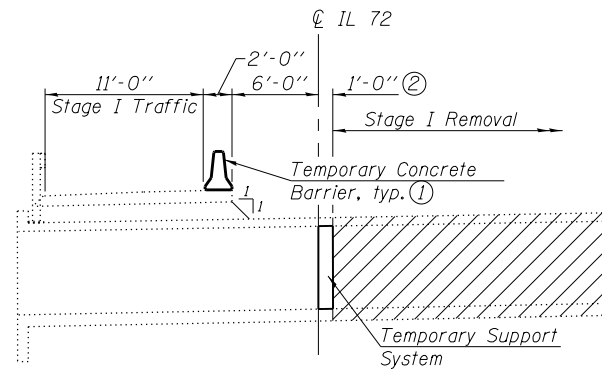
SECTION THRU BARREL (3)
(Horiz. dim. at Rt. L's)



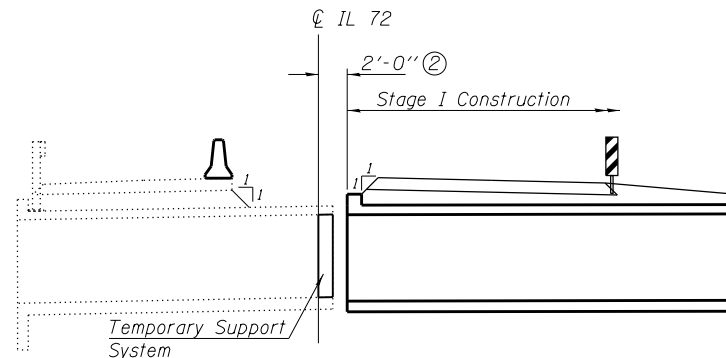
SECTION THRU WINGWALL (3)
(Horiz. dim. at Rt. L's)



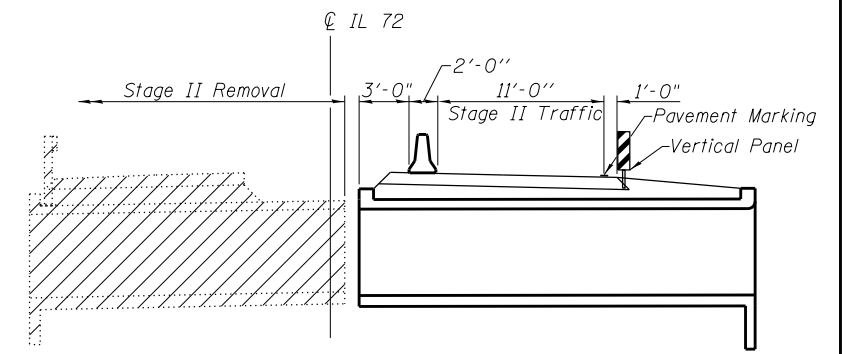
TEMPORARY SHEET PILING DETAIL
(along Stage Removal line)



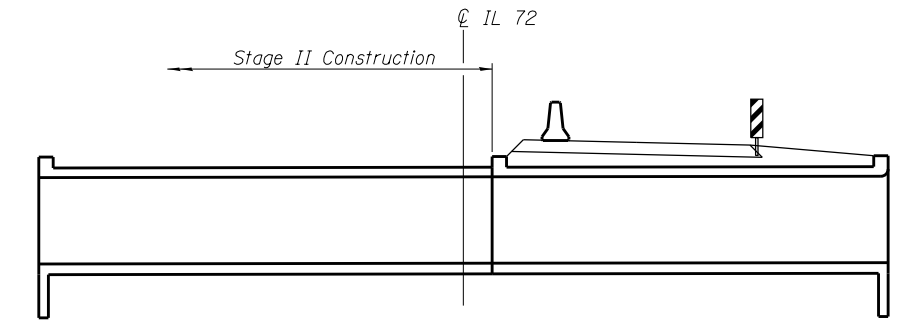
STAGE I REMOVAL
(Looking East, typ.)



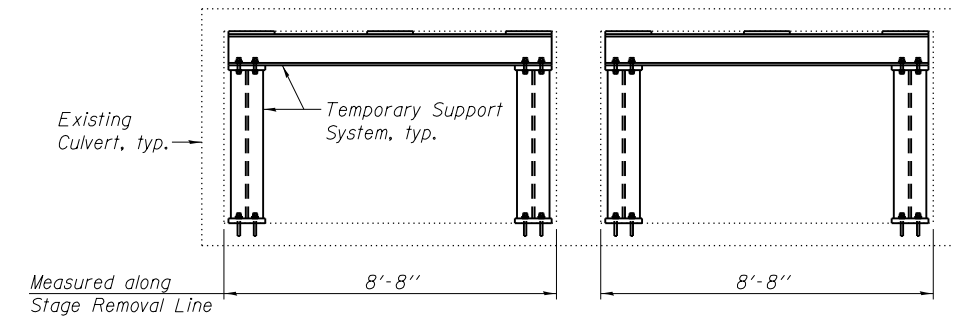
STAGE I CONSTRUCTION



STAGE II REMOVAL



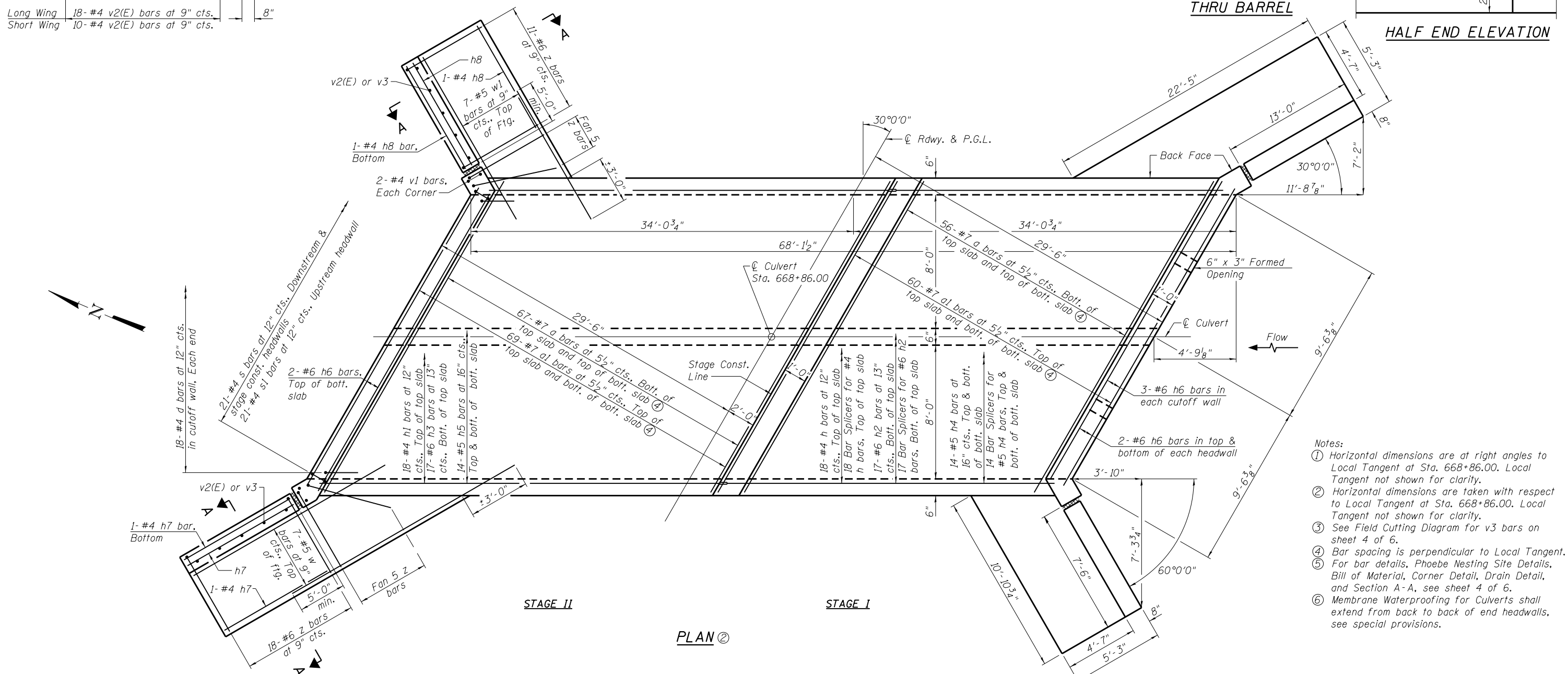
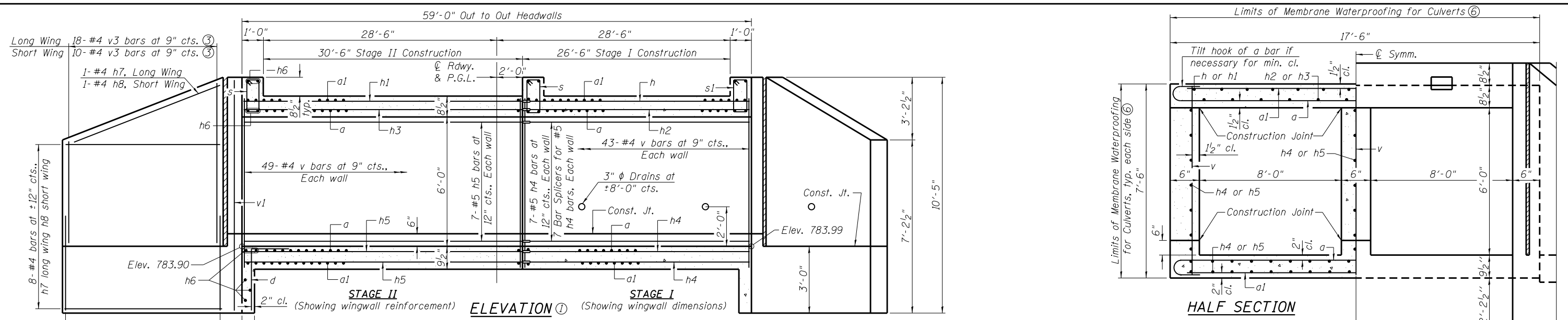
STAGE II CONSTRUCTION



ELEVATION
(Looking North)
TEMPORARY SUPPORT SYSTEM

Notes:

- ① For quantity of Temporary Concrete Barrier and related traffic control, see Roadway Plans.
- ② Measured perpendicular to Local Tangent at Sta. 668+86.00.
- ③ Excavation below bottom of Concrete Box Culverts shall be paid for as Removal and Disposal of Unsuitable Material for Structures. Backfill shall be paid for as Rock Fill, see special provisions. The excavated area below bottom of Concrete Box Culverts adjacent to the stage line shall be backfilled immediately following excavation of unsuitable material, as directed by the Engineer.
- ④ Porous Granular Embankment shall extend the entire length of the box, maintaining 2' of earth above the Porous Granular Embankment outside the roadway shoulders.



- Notes:
- ① Horizontal dimensions are at right angles to Local Tangent at Sta. 668+86.00. Local Tangent not shown for clarity.
 - ② Horizontal dimensions are taken with respect to Local Tangent at Sta. 668+86.00. Local Tangent not shown for clarity.
 - ③ See Field Cutting Diagram for v3 bars on sheet 4 of 6.
 - ④ Bar spacing is perpendicular to Local Tangent.
 - ⑤ For bar details, Phoebe Nesting Site Details, Bill of Material, Corner Detail, Drain Detail, and Section A-A, see sheet 4 of 6.
 - ⑥ Membrane Waterproofing for Culverts shall extend from back to back of end headwalls, see special provisions.

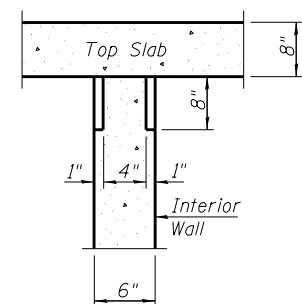
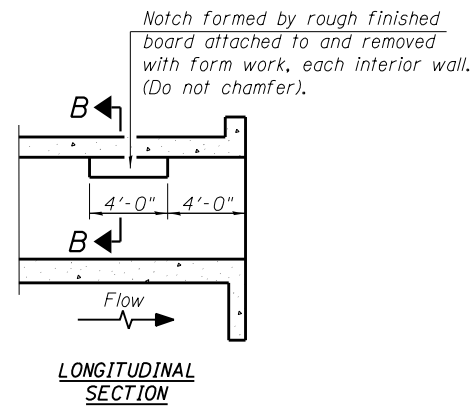


USER NAME =	DESIGNED - JAD	REVISED -
	CHECKED - SUN	REVISED -
PLOT SCALE =	DRAWN - SUN	REVISED -
PLOT DATE =	CHECKED - JAD	REVISED -

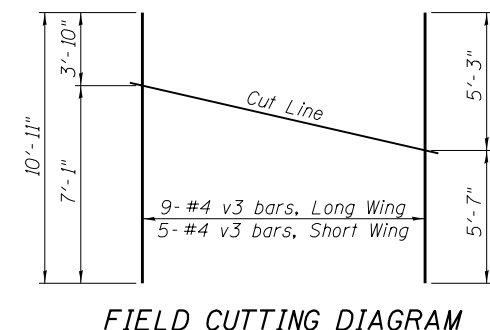
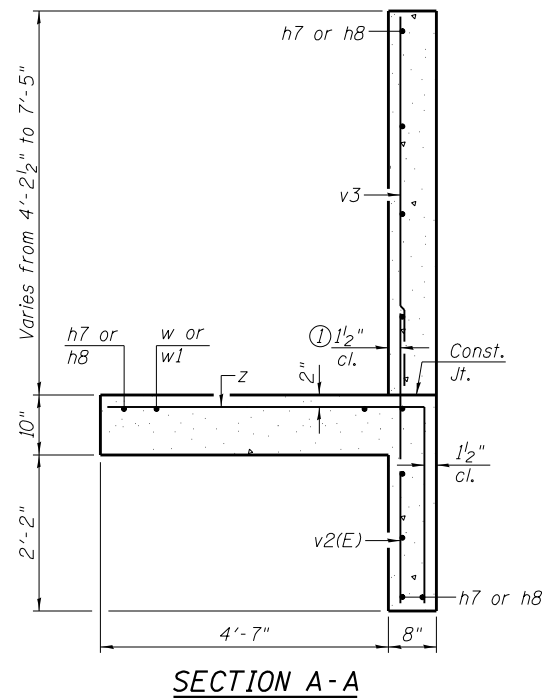
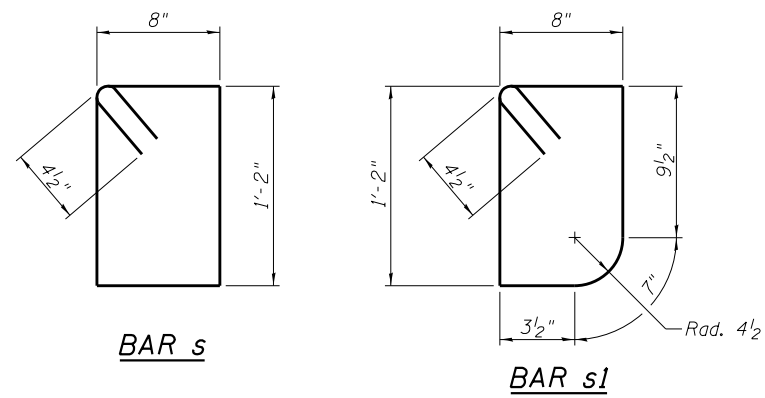
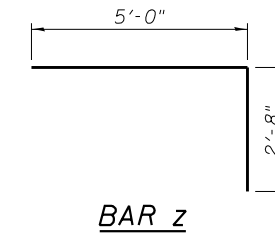
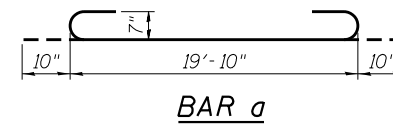
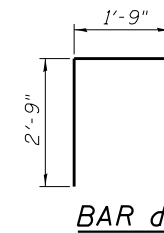
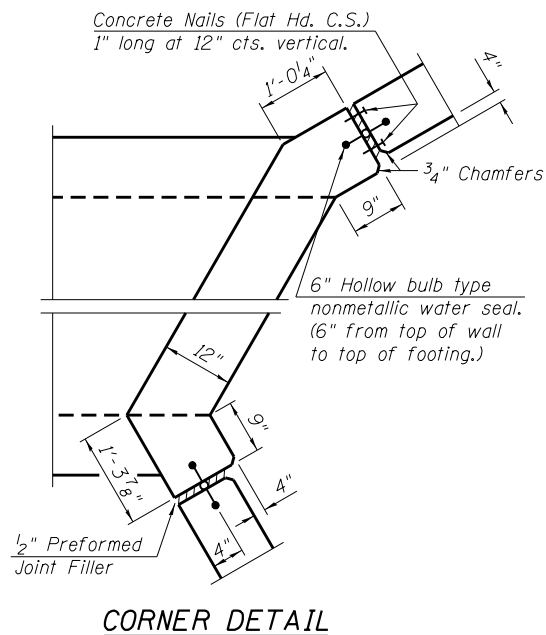
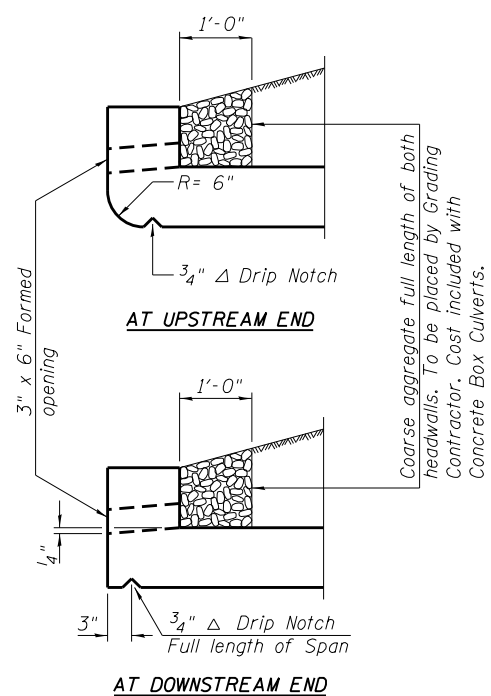
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURE DETAILS
STRUCTURE NO. 019-2025**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	27
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



PHOEBE NESTING
SITE DETAILS
(Downstream End Only)

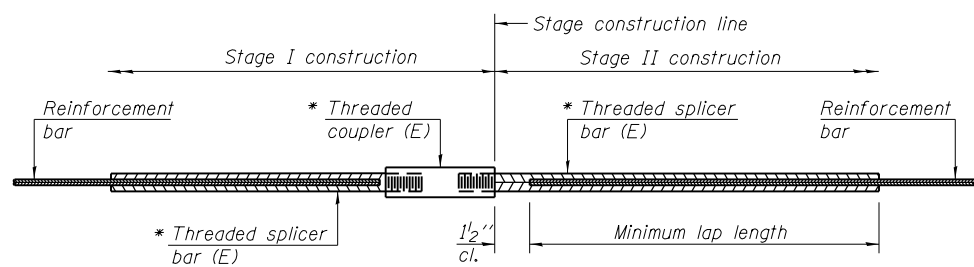


Order v3 bars full length. Cut as shown and use half in one end of wingwall and half in opposite end of wingwall.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	246	#7	21'-6"	U
a1	258	#7	19'-10"	—
d	36	#4	4'-6"	U
h	18	#4	31'-5"	—
h1	18	#4	36'-0"	—
h2	17	#6	31'-5"	—
h3	17	#6	36'-0"	—
h4	49	#5	31'-5"	—
h5	49	#5	36'-0"	—
h6	22	#6	19'-10"	—
h7	22	#4	12'-8"	—
h8	22	#4	7'-2"	—
s	42	#4	4'-5"	U
s1	21	#4	4'-4"	U
v	276	#4	7'-1"	—
v1	8	#4	10'-1"	—
v2(E)	56	#4	5'-7"	—
v3	28	#4	10'-11"	—
w	14	#5	17'-8"	—
w1	14	#5	11'-2"	—
z	78	#6	7'-8"	U
Reinforcement Bars			Pound	31,370
Reinforcement Bars, Epoxy Coated			Pound	210
Concrete Box Culverts			Cu. Yd.	110.2

Notes:
① v2(E) bars shall not be placed more than 1/2" cl. from back face of wingwall.



STANDARD BAR SPLICER ASSEMBLY

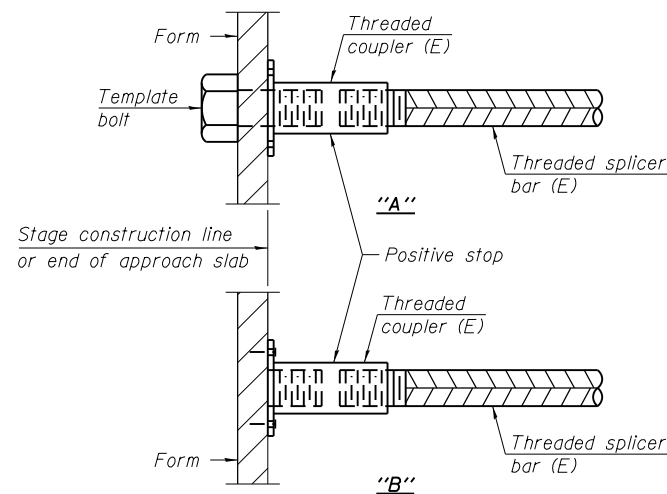
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"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

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar top, Class C

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

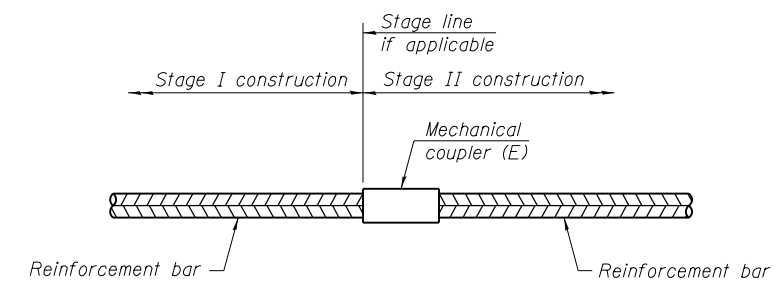
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Top of top slab	#4	18	Table 1
Bottom slab	#5	28	Table 1
Sidewalls	#5	21	Table 2
Bottom of top slab	#6	17	Table 1



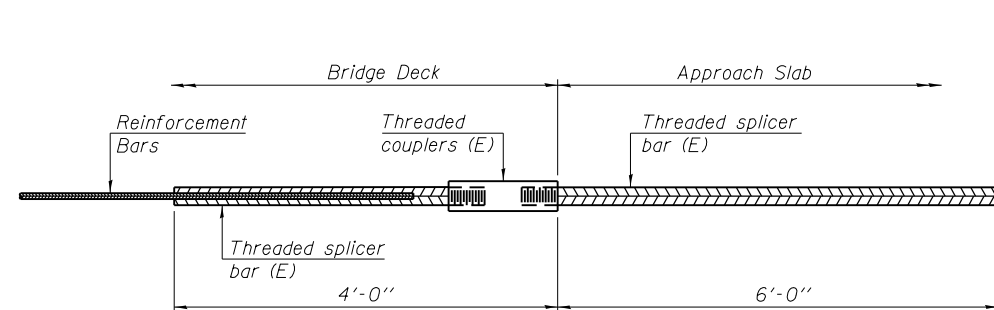
INSTALLATION AND SETTING METHODS

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



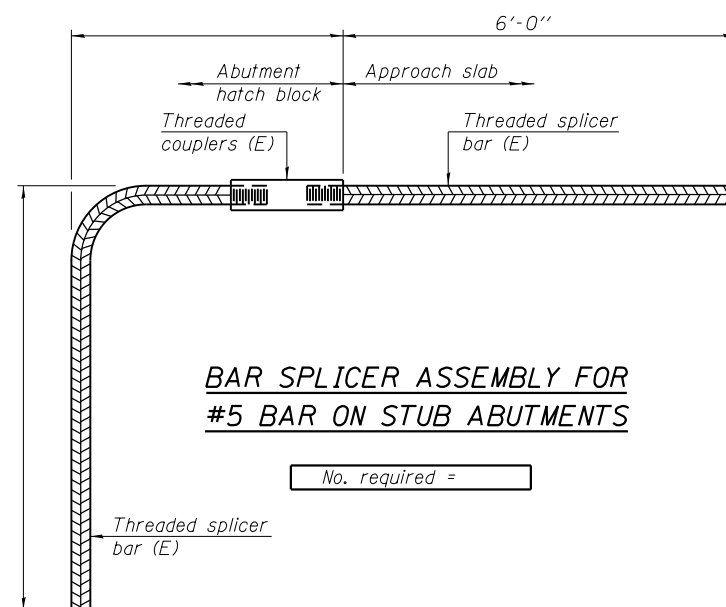
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



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

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

BSD-1

1-27-12



15001 Business Center 1
 100 Lamar Court, Suite 100
 Chicago, IL 60654
 Tel: 618.345.2200
 Fax: 618.345.7255
 www.oatesassociates.com

15001 Business Center 1
 100 Lamar Court, Suite 100
 St. Louis, MO 63103
 Tel: 314.588.2881
 Fax: 314.588.9605

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 019-2025

SHEET NO. 5 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	29
CONTRACT NO. 66828				

ILLINOIS FED. AID PROJECT



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 4/1/09

ROUTE FAP 553 (IL 72) DESCRIPTION IL 72 over a Stream in Kingston, 3.43 MI W of IL 23 (South) LOGGED BY LM

SECTION (127) LOCATION South 1/2, SEC. 22, TWP. 42N, RNG. 4E, 3rd PM

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	D	B	U	M	
						(ft)	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)	
019-2552 (Exist.)	668+86	1 (NE Quad)	669+07	14.00ft LL	793.22					785.63	786.17										
Augered white shoulder stone & Black Silty Clay Loam Fill																					
790.72																					
Stiff to Very Stiff Black Silty Clay Loam Fill with concrete debris @ 9.5'																					
4																					
5																					
-5																					
2																					
3																					
4																					
3																					
3																					
783.22																					
Very Stiff Pinkish Brown Sand Loam/Sandy Clay Loam Till with free water @ 10'																					
6																					
8																					
4																					
781.22																					
Stiff Gray Silty Clay Loam, Silty Loam, Silt, & Silty Clay																					
3																					
4																					
3																					
759.22																					
Dense Loamy Medium to Coarse Gravel & Sand																					
3																					
2																					
3																					
756.72																					
End of Boring																					
3																					
4																					
4																					
773.22																					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 1

Date 4/1/09

ROUTE FAP 553 (IL 72) DESCRIPTION IL 72 over a Stream in Kingston, 3.43 MI W of IL 23 (South) LOGGED BY LM

SECTION (127) LOCATION South 1/2, SEC. 22, TWP. 42N, RNG. 4E, 3rd PM

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.	D	B	U	M	
						(ft)	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	ft	(ft)	(/6")	(tsf)	(%)	
019-2552 (Exist.)	668+86	2 (SE Quad)	669+08	14.00ft RL	793.22					785.63	786.23										
Augered white shoulder stone & Black Silty Clay Loam Fill																					
790.72																					
Very Stiff to Stiff Black Silty Clay Loam Fill																					
4																					
5																					
-5																					
2																					
2																					
2																					
785.72																					
Loose Gray Loamy Sand/Gravel																					
1																					
4																					
7																					
783.72																					
Soft Pinkish Brown Sandy Clay Loam Till																					
-10																					
wh																					
wh																					
2																					
1																					
3																					
4																					
779.22																					
Stiff Gray Silty Clay, Silty Loam																					
1																					
3																					
4																					
779.22																					
Stiff Gray Silty Clay, Silty Loam																					
2																					
3																					
5																					
756.72																					
End of Boring																					
2																					
3																					
4																					
773.22																					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

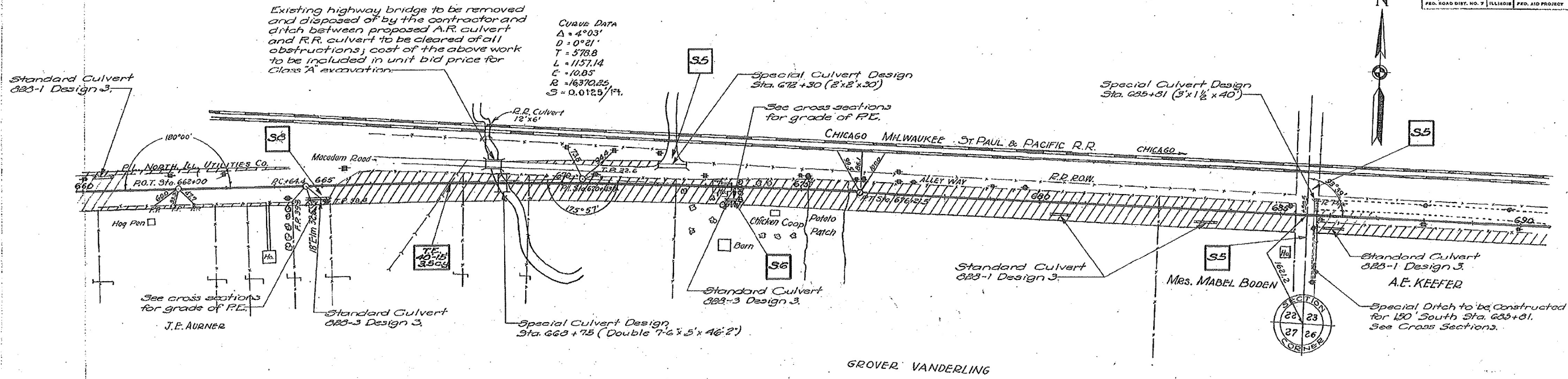
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 019-2025**

SHEET NO. 6 OF 6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	30
CONTRACT NO. 66828			ILLINOIS FED. AID PROJECT	

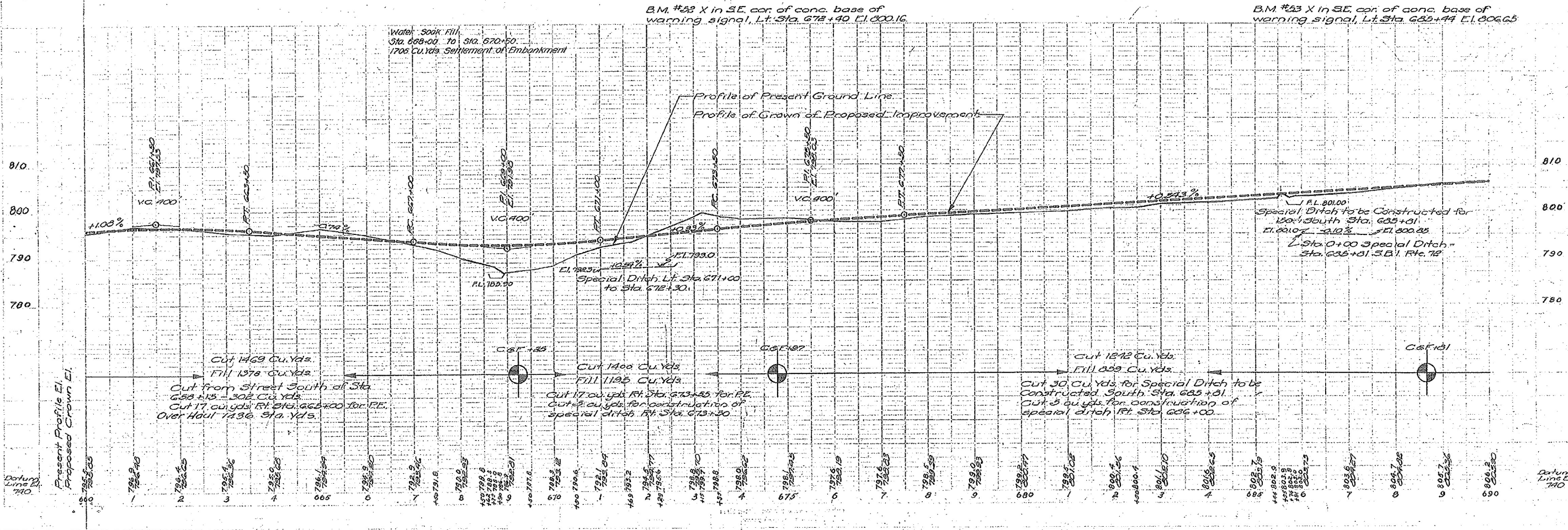
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
72	127	DeKalb	72	11
STA. 660+00		TO STA. 690+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



Existing highway bridge to be removed and disposed of by the contractor and ditch between proposed A.R. culvert and R.R. culvert to be cleared of all obstructions; cost of the above work to be included in unit bid price for Class 'A' excavation.

CURVE DATA
 $\Delta = 4^{\circ}03'$
 $D = 0^{\circ}21'$
 $T = 578.8$
 $L = 1157.14$
 $E = 10.85$
 $R = 16370.25$
 $S = 0.0125 / Ft.$

GROVER VANDERLING



B.M. #53 X in SE. cor. of conc. base of warning signal, Lt. Sta. 678+40 E.I. 800.16

B.M. #53 X in SE. cor. of conc. base of warning signal, Lt. Sta. 685+44 E.I. 806.65

Water Soak Fill, Sta. 668+00 to Sta. 670+50, 1705 Cu. Yds. Settlement of Embankment

Datum Line El. 740

Datum Line El. 740

FILE NAME = MA26054.WD 8 JUL 72 over: Kishwaukee\Microstation\CADD_sheets\0366828-shr-ex-culv.dgn



USER NAME = brianheil
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 8/4/2016

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLAN
 FOR INFORMATION ONLY

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

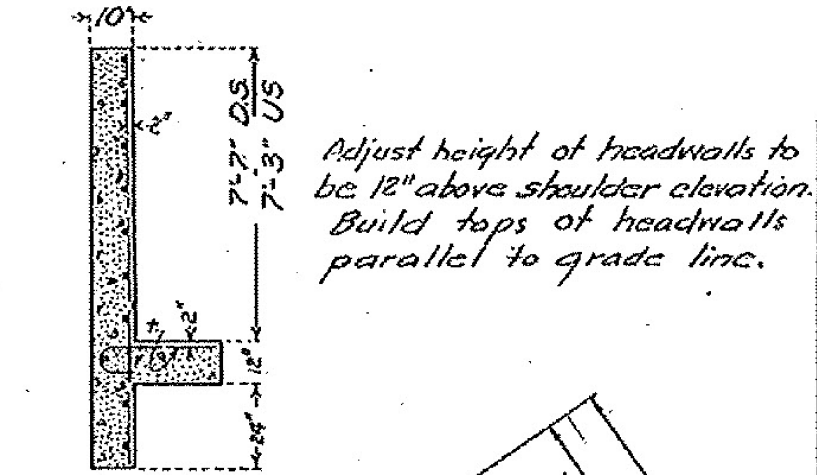
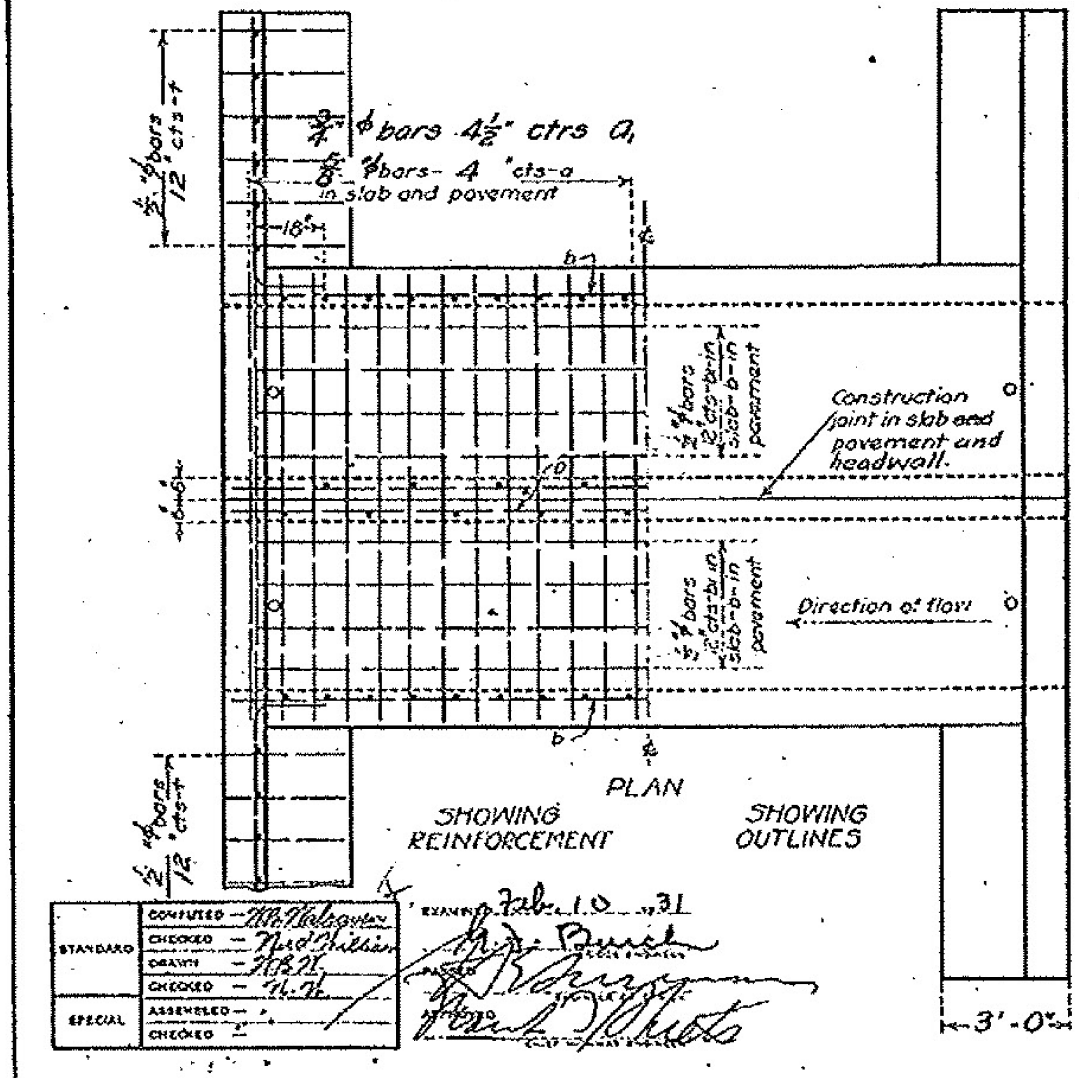
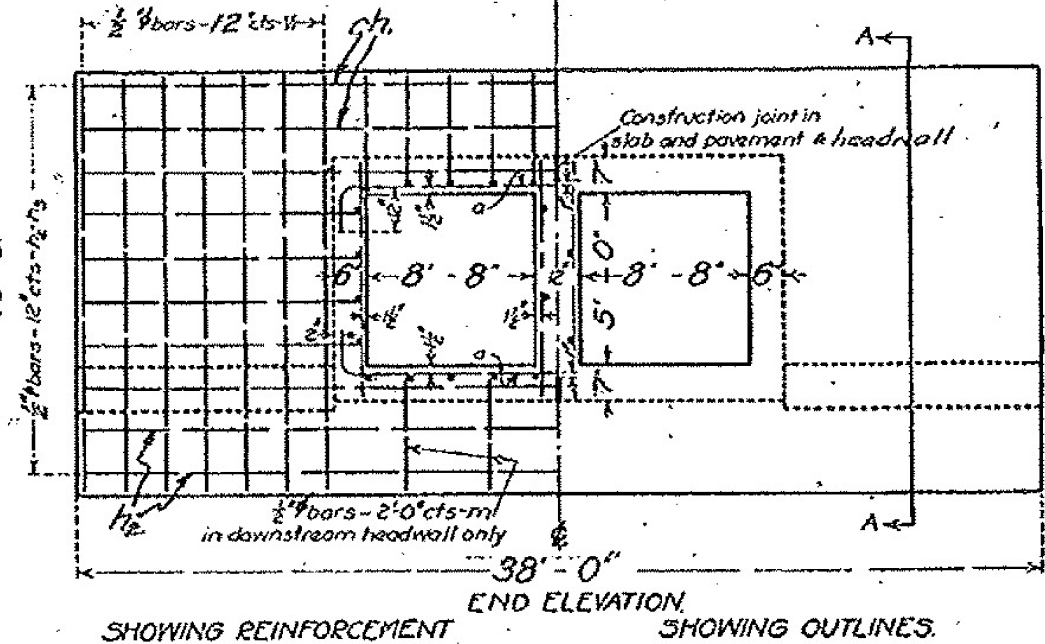
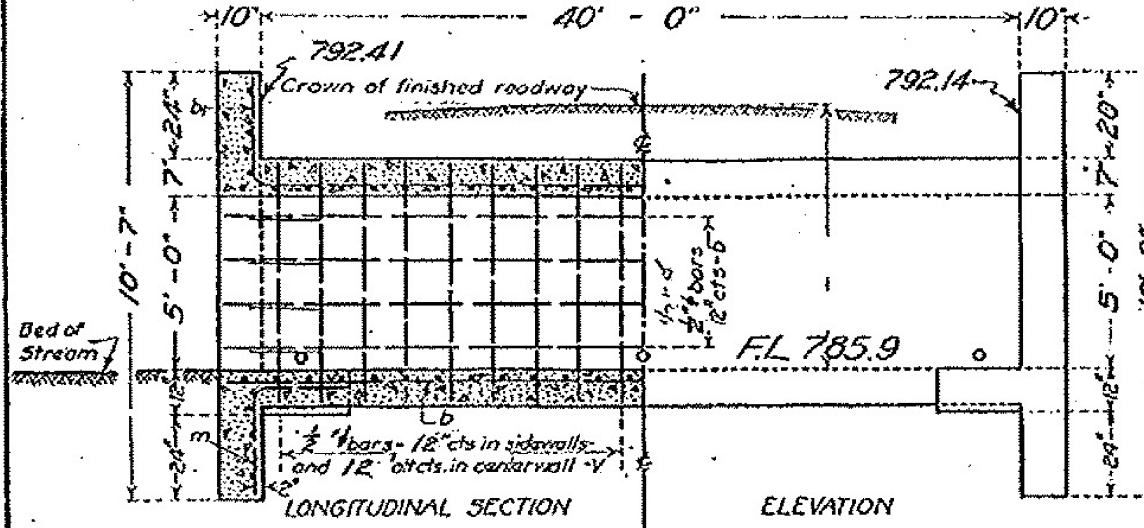
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	31
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

S = 0.26

Cr. 792.81

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
R.C. DOUBLE BOX CULVERT

ROUTE NO.	SEC.	COUNTY	STATION	SHEET NO.
72	127	De Kalb	72	61
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

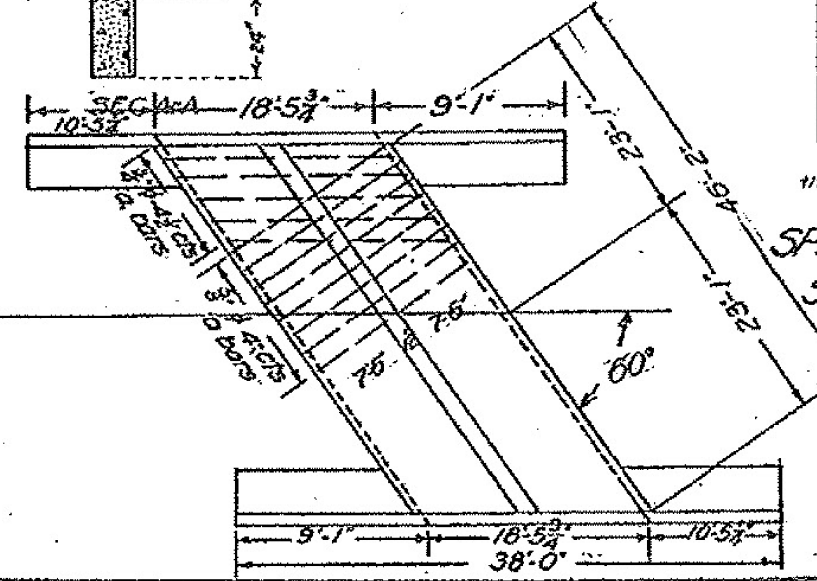


Adjust height of headwalls to be 12" above shoulder elevation.
Build tops of headwalls parallel to grade line.

BILL OF MATERIAL

BARS	NO.	SIZE	LENGTH
v	138	1/2" φ	6'-0"
vi	38	1/2" φ	10'-0"
h ₁	12	1/2" φ	12'-0"
h	12	1/2" φ	10'-6"
h ₁	8	1/2" φ	18'-6"
h ₂	8	1/2" φ	20'-0"
a	226	3/4" φ	18'-6"
a ₁	94	3/4" φ	21'-3"
b	62	1/2" φ	25'-0"
b ₁	48	1/2" φ	18'-0"
e	38	1/2" φ	3'-6"
m	8	1/2" φ	5'-0"
Reinforcing Steel Lbs			10340
Concrete Cu. Yds.			73.3

Class A Concrete to be used throughout Proportions 1:2 1/2:4



DESIGNED - *Mr. Halpern*
CHECKED - *Mr. Miller*
DRAWN - *Mr. [Signature]*
CHECKED - *Mr. [Signature]*
ASSEMBLED - *Mr. [Signature]*
CHECKED - *Mr. [Signature]*

REVISIONS:
1. 10/31
2. 11/12

11 64020-300

FILE NAME: MA2685A.WD 8 IL 72 over: Kishwaukee\Microstation\CADD_sheets\0366828-shr-rc-culv.dgn



USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

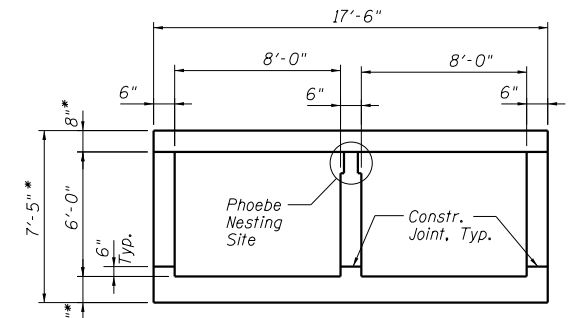
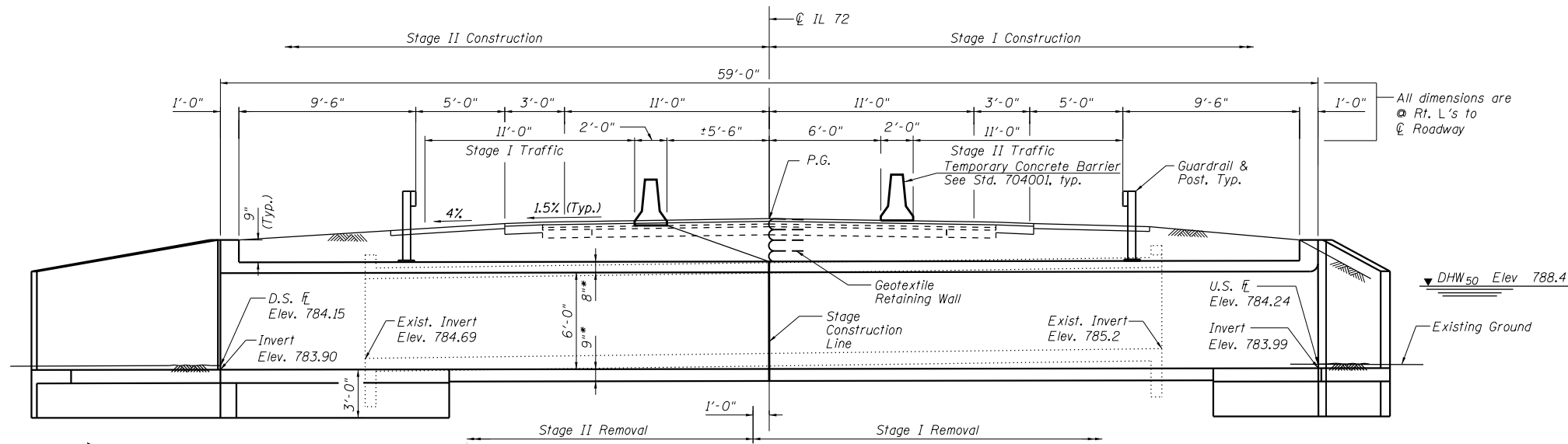
EXISTING CULVERT PLAN
FOR INFORMATION ONLY

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

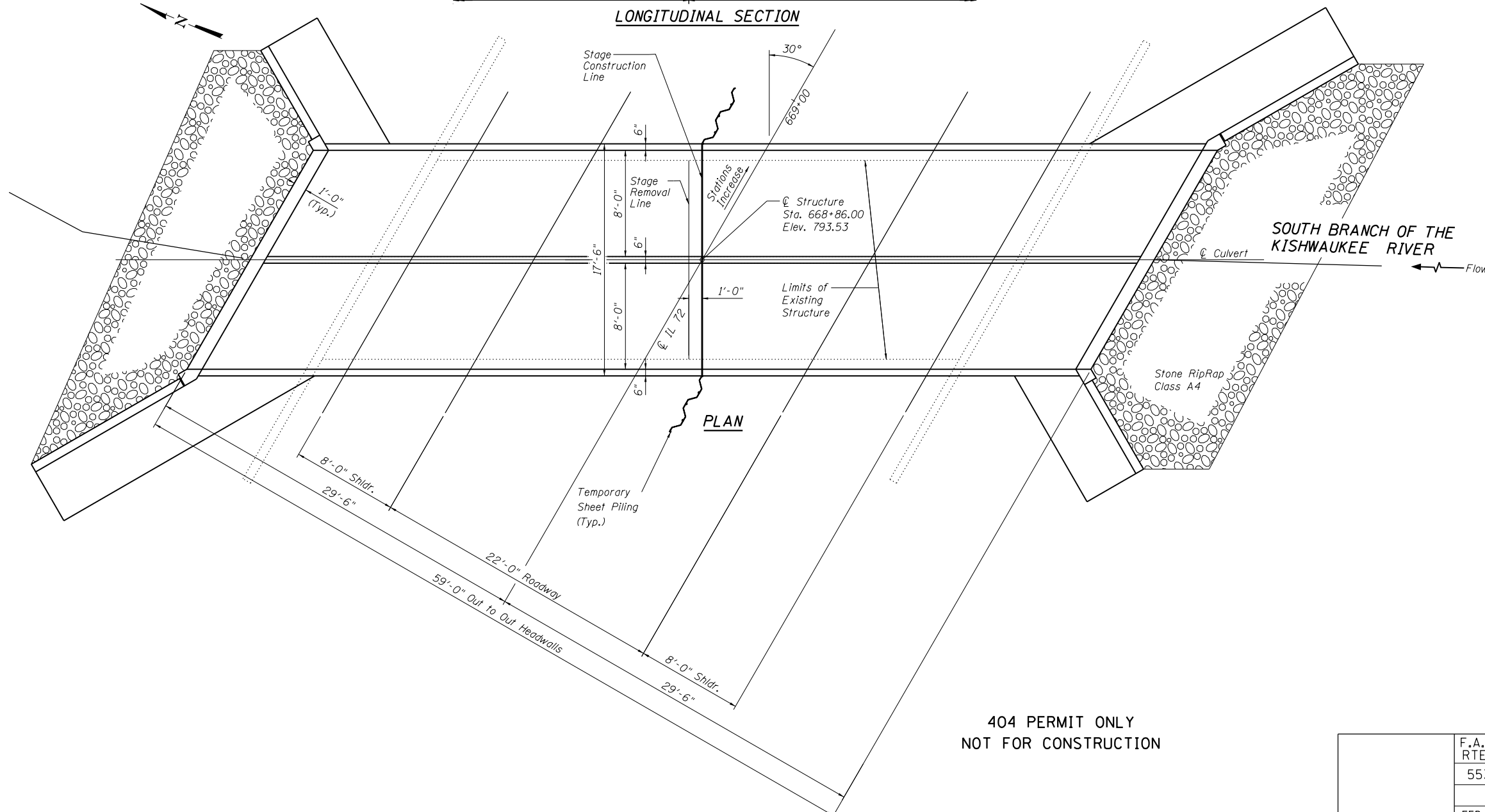
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	32
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

EXHIBIT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



* Slab thickness may be refined in final design

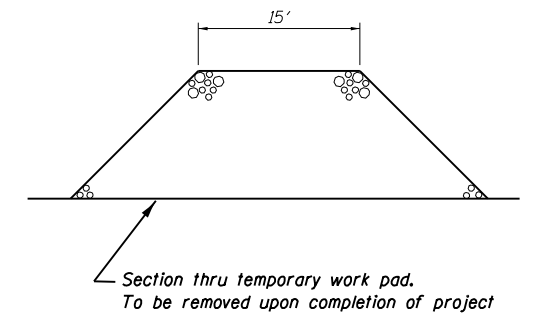
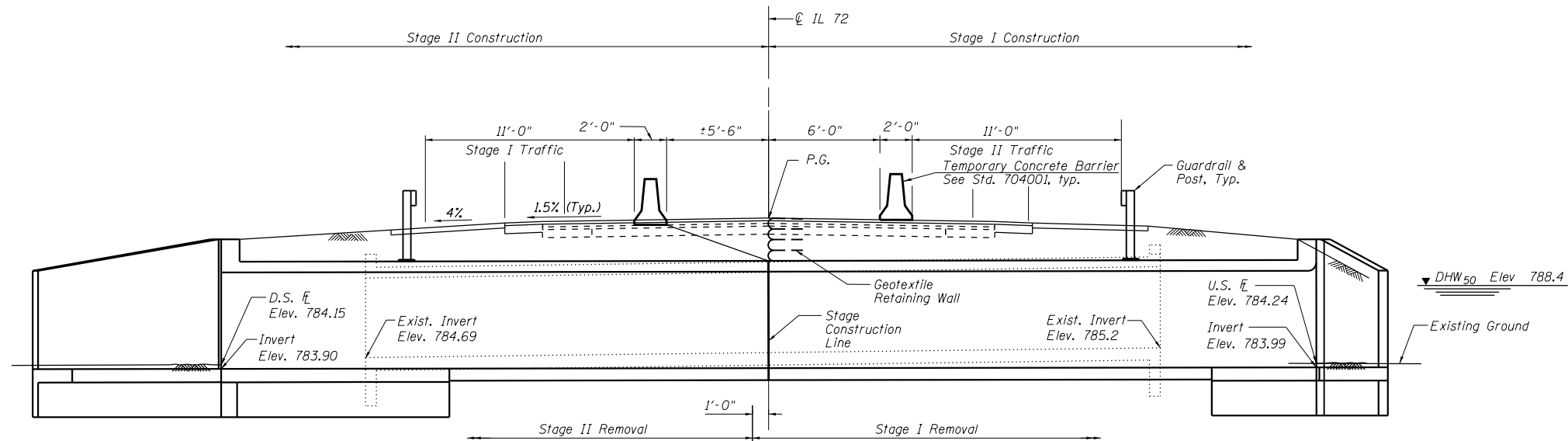


404 PERMIT ONLY
NOT FOR CONSTRUCTION

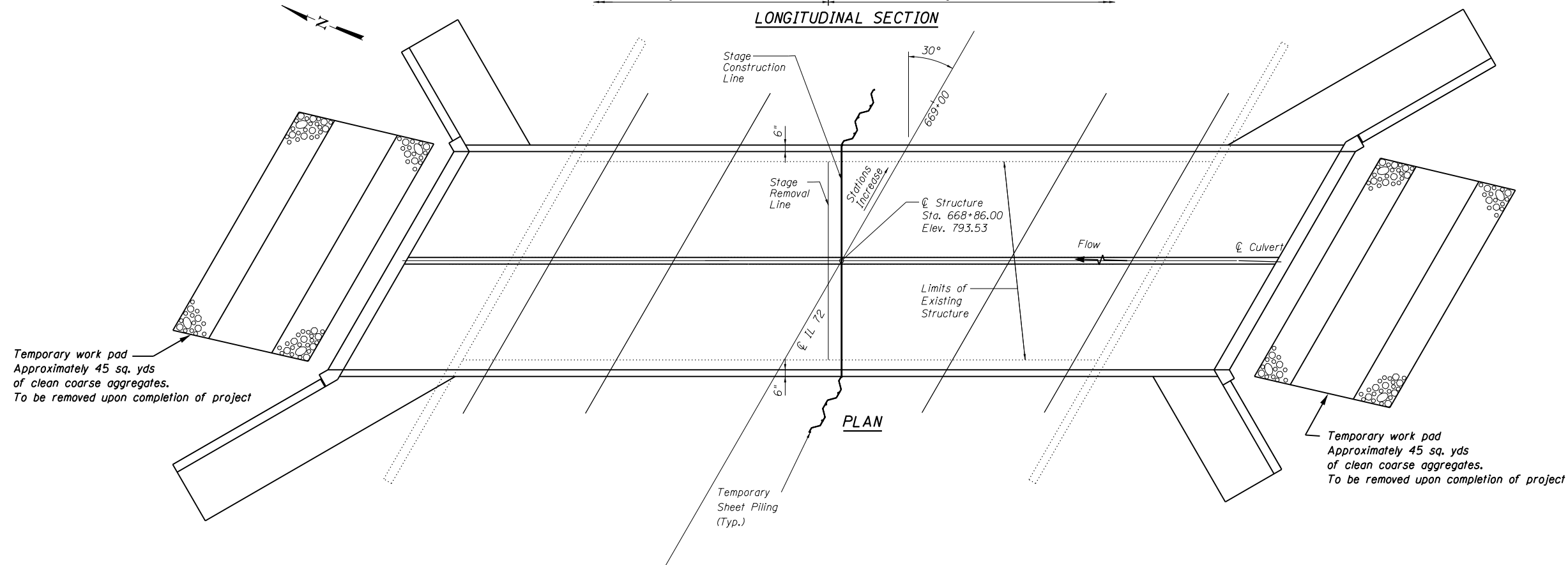
GENERAL PLAN & ELEVATION
FAP 553 (IL 72) OVER TRIBUTARY
OF SOUTH BRANCH OF KISHWAUKEE RIVER
SEC. (127)I DEKALB COUNTY
STATION 668+86.00
EXISTING STRUCTURE NO. 019-2552
PROPOSED STRUCTURE NO. 019-2025

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	33
CONTRACT NO. 66828				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



LONGITUDINAL SECTION

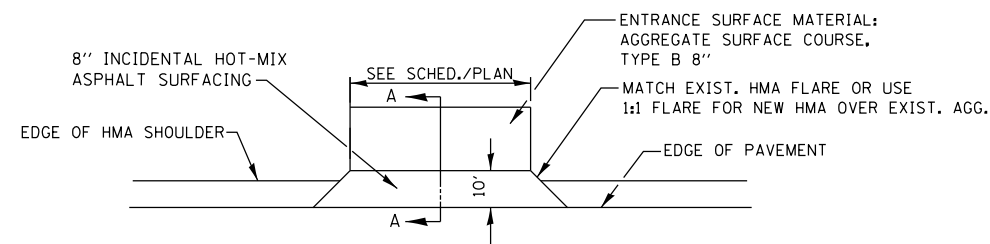


PLAN

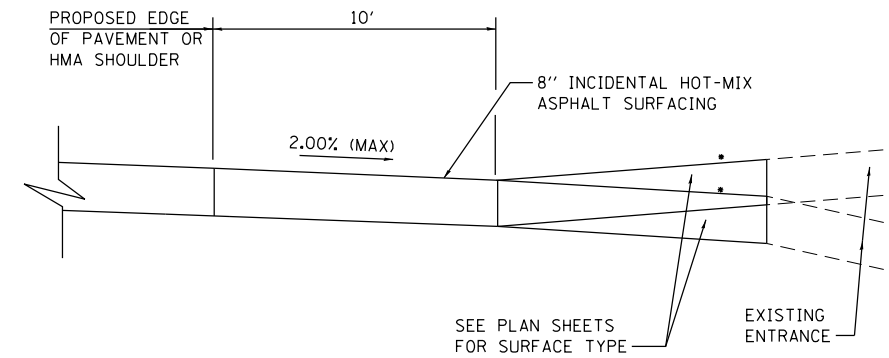
GENERAL PLAN & ELEVATION
FAP 553 (IL 72) OVER TRIBUTARY
OF SOUTH BRANCH OF KISHWAUKEE RIVER
SEC. (127)I DEKALB COUNTY
STATION 668+86.00
EXISTING STRUCTURE NO. 019-2552
PROPOSED STRUCTURE NO. 019-2025

404 PERMIT ONLY
NOT FOR CONSTRUCTION

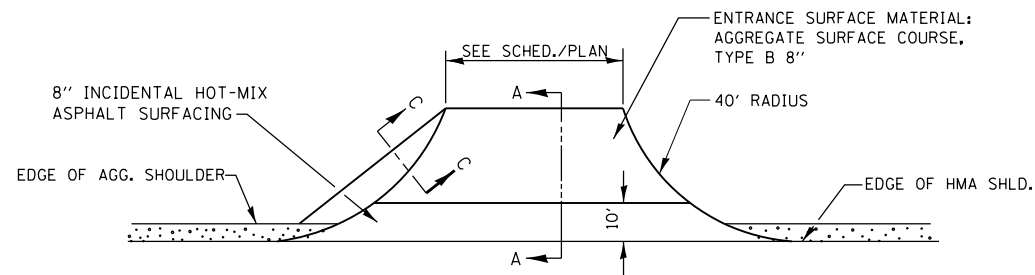
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127)I	DEKALB	47	34
CONTRACT NO. 66828				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



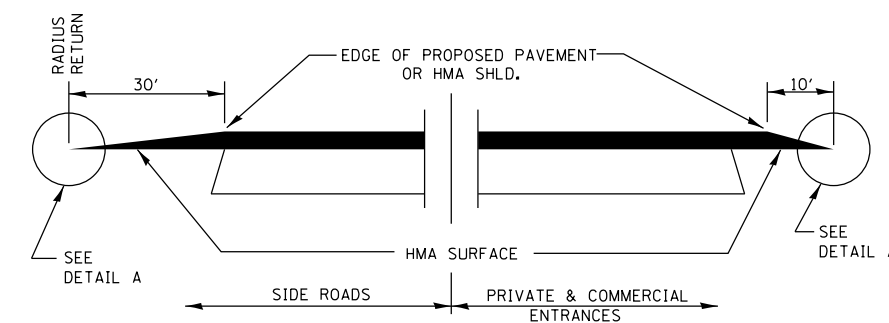
PLAN AT COMMERCIAL ENTRANCES
ENTRANCE AT STA 672+21



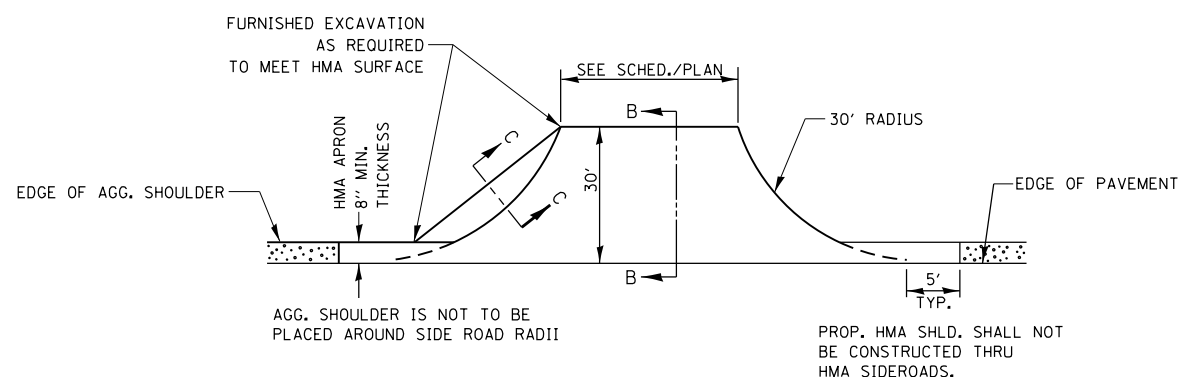
SECTION A-A • SEE CROSS SECTIONS FOR SLOPE



PLAN AT COMMERCIAL ENTRANCES
ENTRANCE AT STA 664+93
ENTRANCE AT STA 665+99

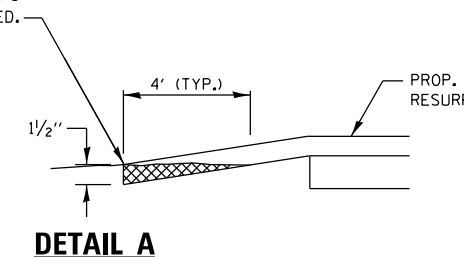


SECTION B-B
DETAILS AT ENTRANCES & SIDE ROADS

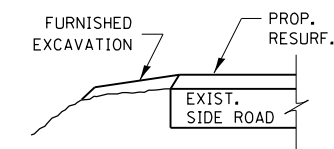


PLAN AT SIDE ROADS
SIDE ROAD AT STA 672+27

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A



SECTION C-C

FILE NAME = M:\26054\ND 8 IL 72 over Kishwaukee\Microstation\CADD_sheets\0366828-ah-t-detail.dgn



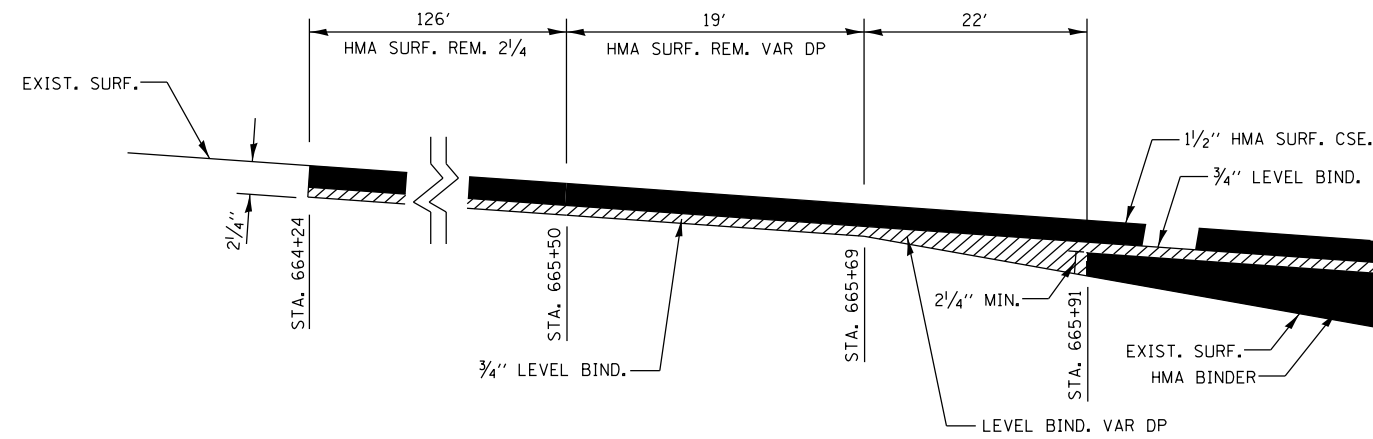
USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

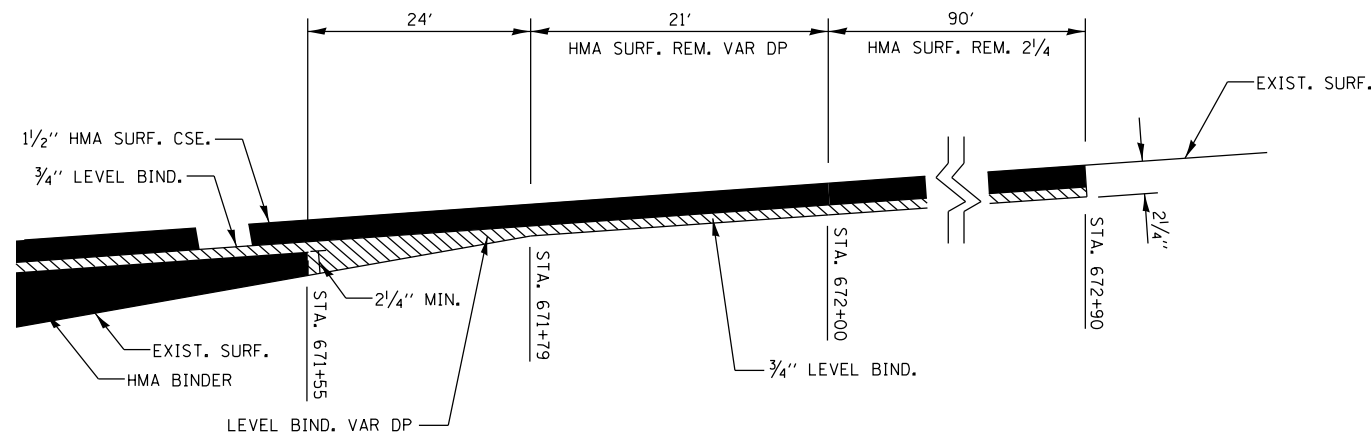
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	35
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



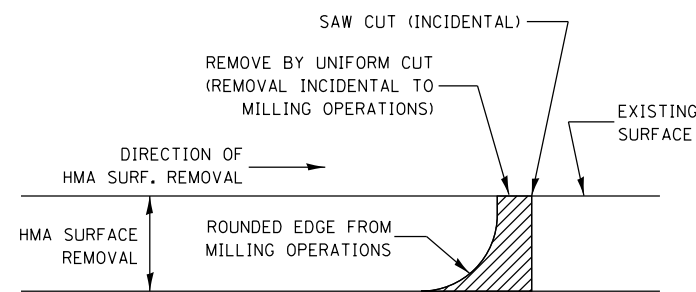
HMA PAVEMENT THICKNESS TAPER - WEST OF BRIDGE

NOT TO SCALE



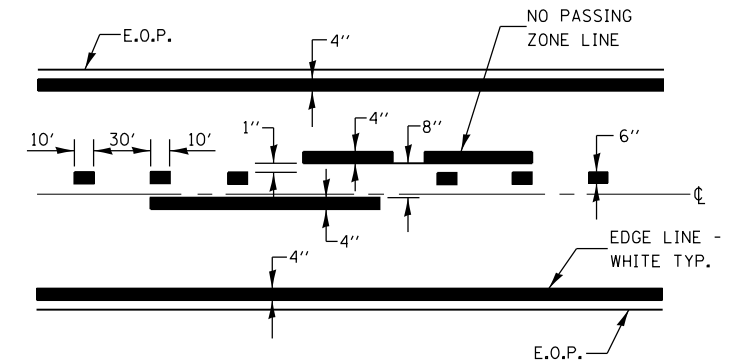
HMA PAVEMENT THICKNESS TAPER - EAST OF BRIDGE

NOT TO SCALE



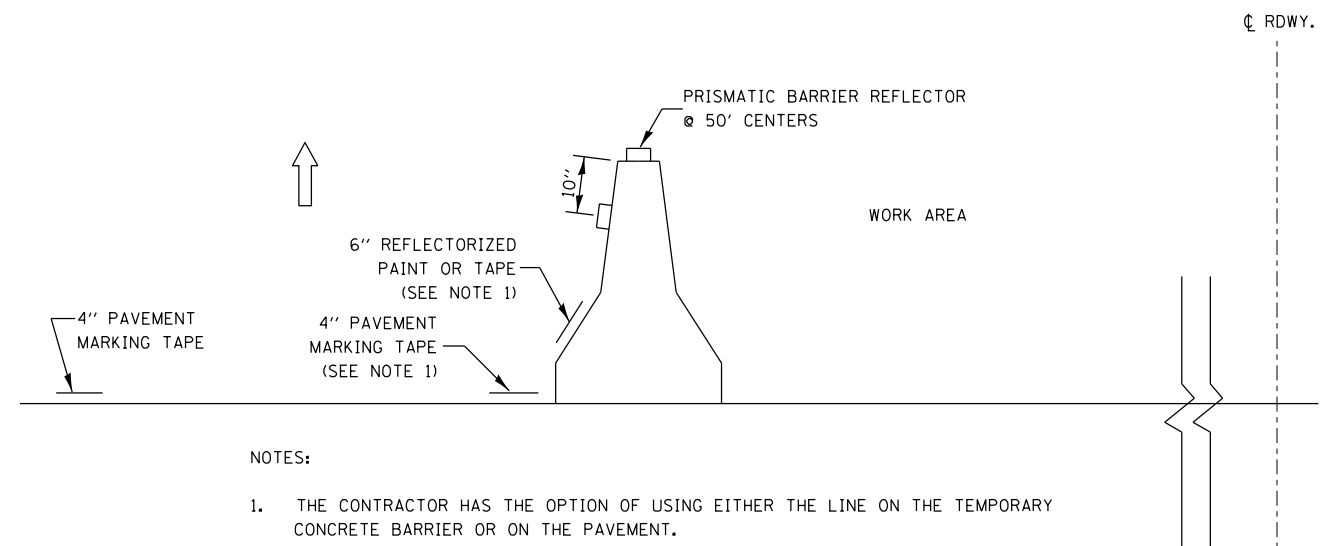
NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT PROJECT TERMINI



PAVEMENT MARKING

(SEE TYPICAL SECTIONS)



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TEMPORARY CONCRETE BARRIER

FILE NAME = M:\26054\ND 8 IL 72 over Kishwaukee\Microstation\CADD_sheets\0366828-ah-t-detail.dgn



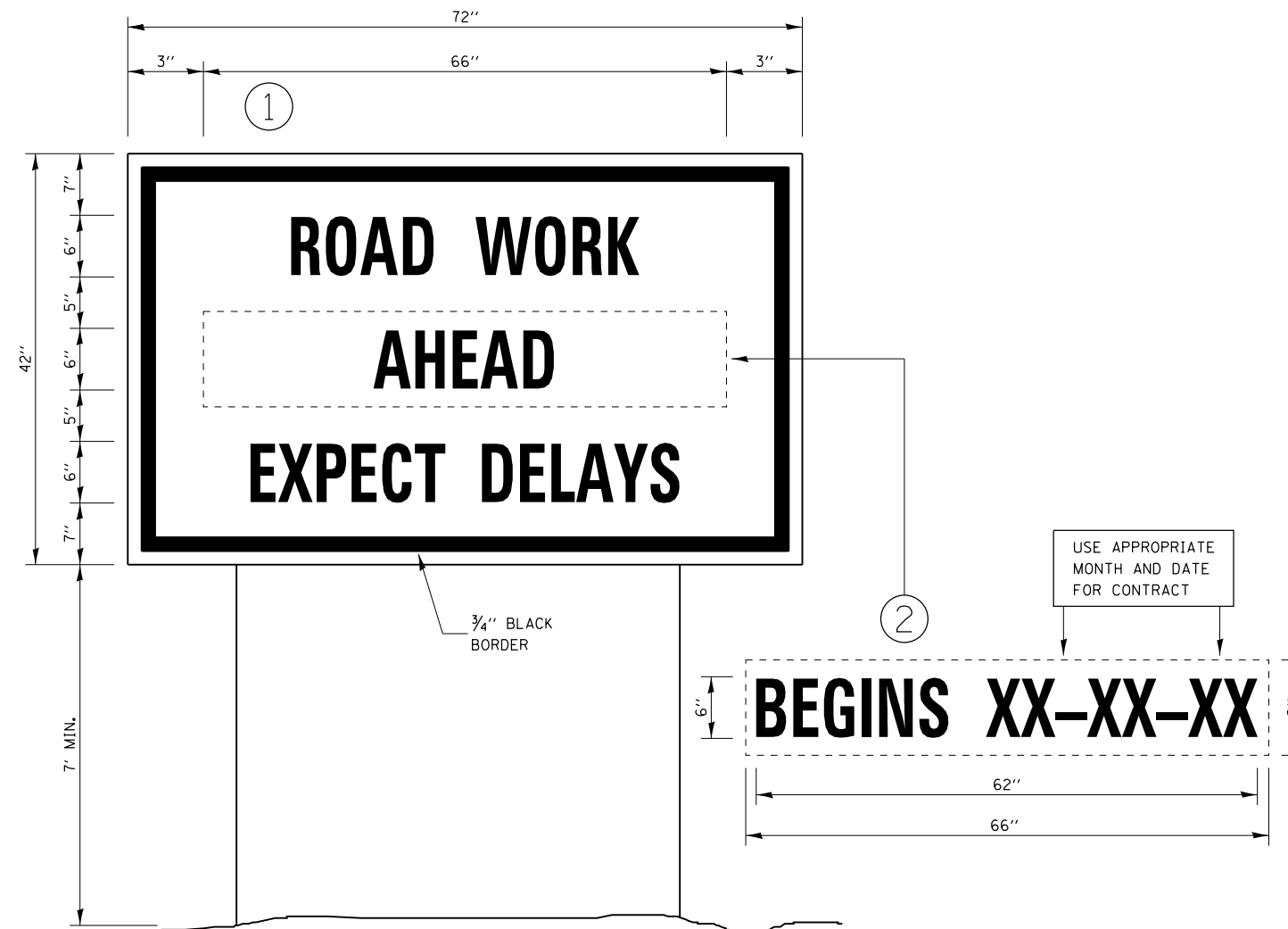
USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	36
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				



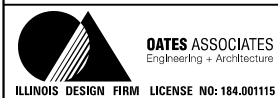
TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

NOTE: QUANTITY ASSUMES 2 SIGNS, 1 AT EACH END OF THE PROJECT

FILE NAME = M:\26054\ND 8 IL 72 over Kishwaukee\Microstation\CADD_sheets\0366828-ht-detail.dgn



USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

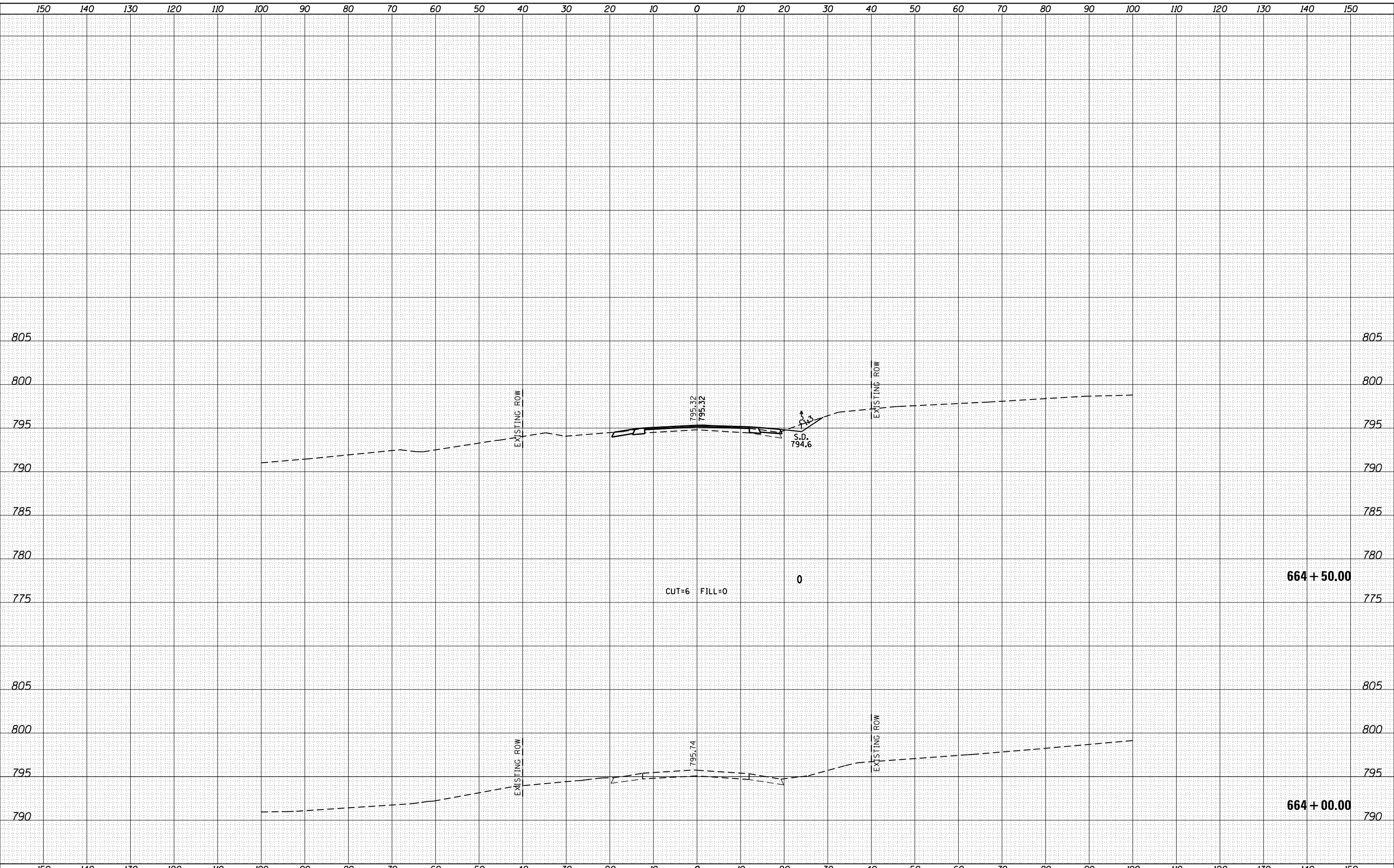
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	37
CONTRACT NO. 66828				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

FILE NAME = M:\260854\NO 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rxsh.dgn



DATES ASSOCIATES
Engineering - Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianhe1	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 8/4/2016	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

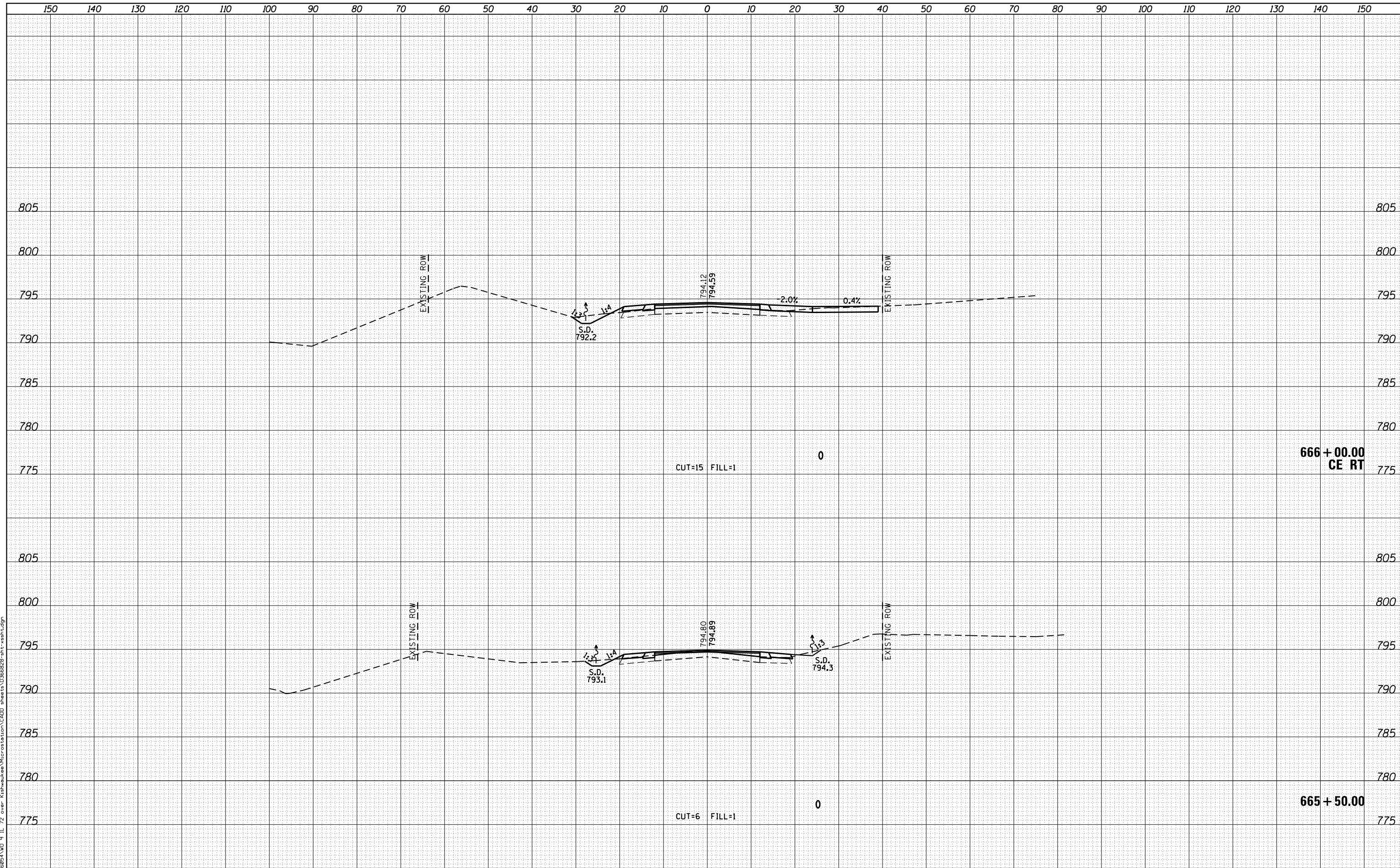
SCALE: SHEET 1 OF 10 SHEETS STA. 664+00.00 TO STA. 664+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	38
CONTRACT NO. 66828			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = M:\260854\WD 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rxsht.dgn



DATES ASSOCIATES
Engineering + Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISIED -
PLOT DATE = 8/4/2016	CHECKED -	REVISIED -
	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

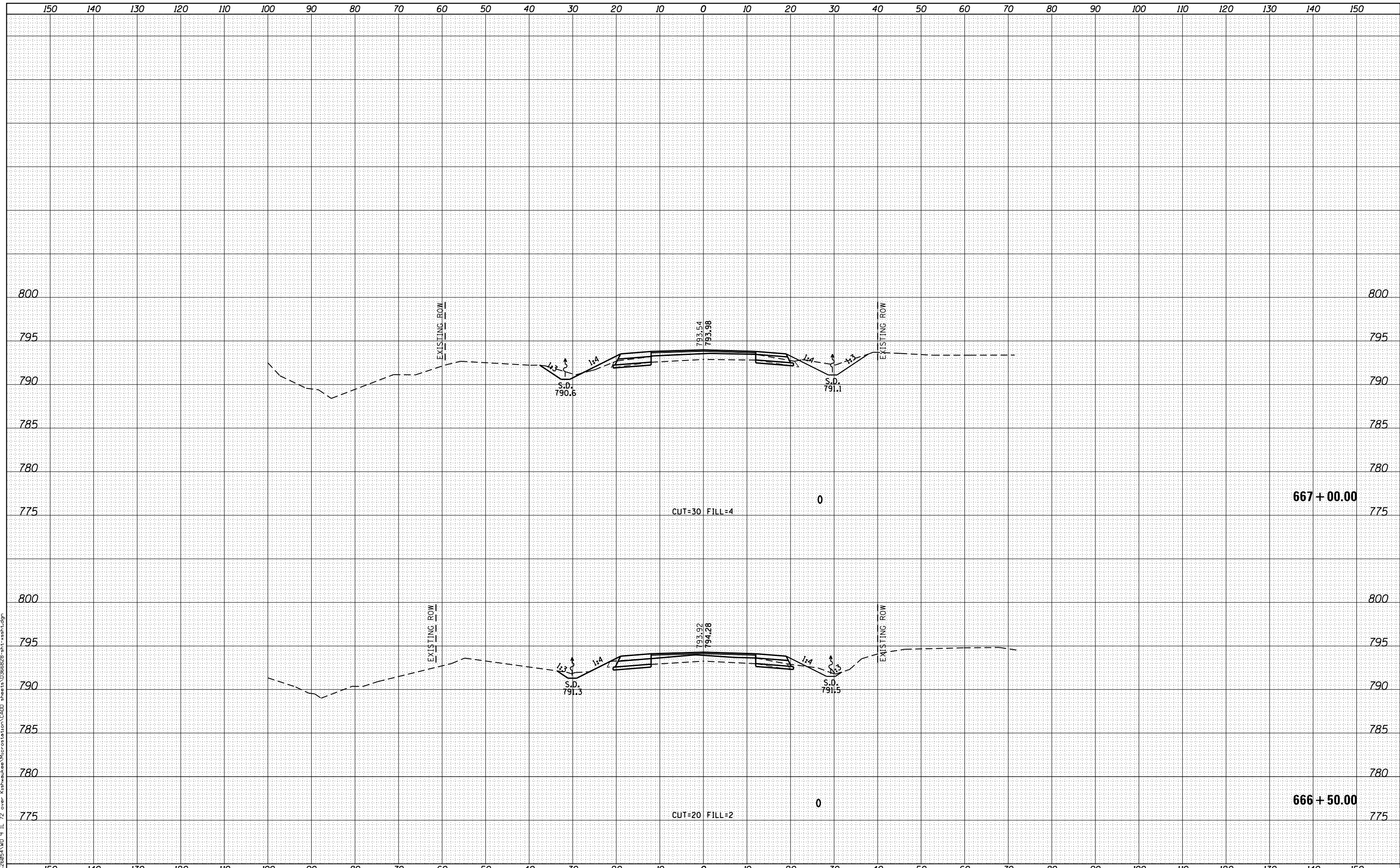
SCALE:	SHEET 3 OF 10 SHEETS	STA. 665+50.00 TO STA. 666+00.00
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F.A.P. RTE. 553	SECTION (127) I	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 40
CONTRACT NO. 66828			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = M:\266854\WD 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rash.dgn



DATES ASSOCIATES
Engineering - Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 8/4/2016	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

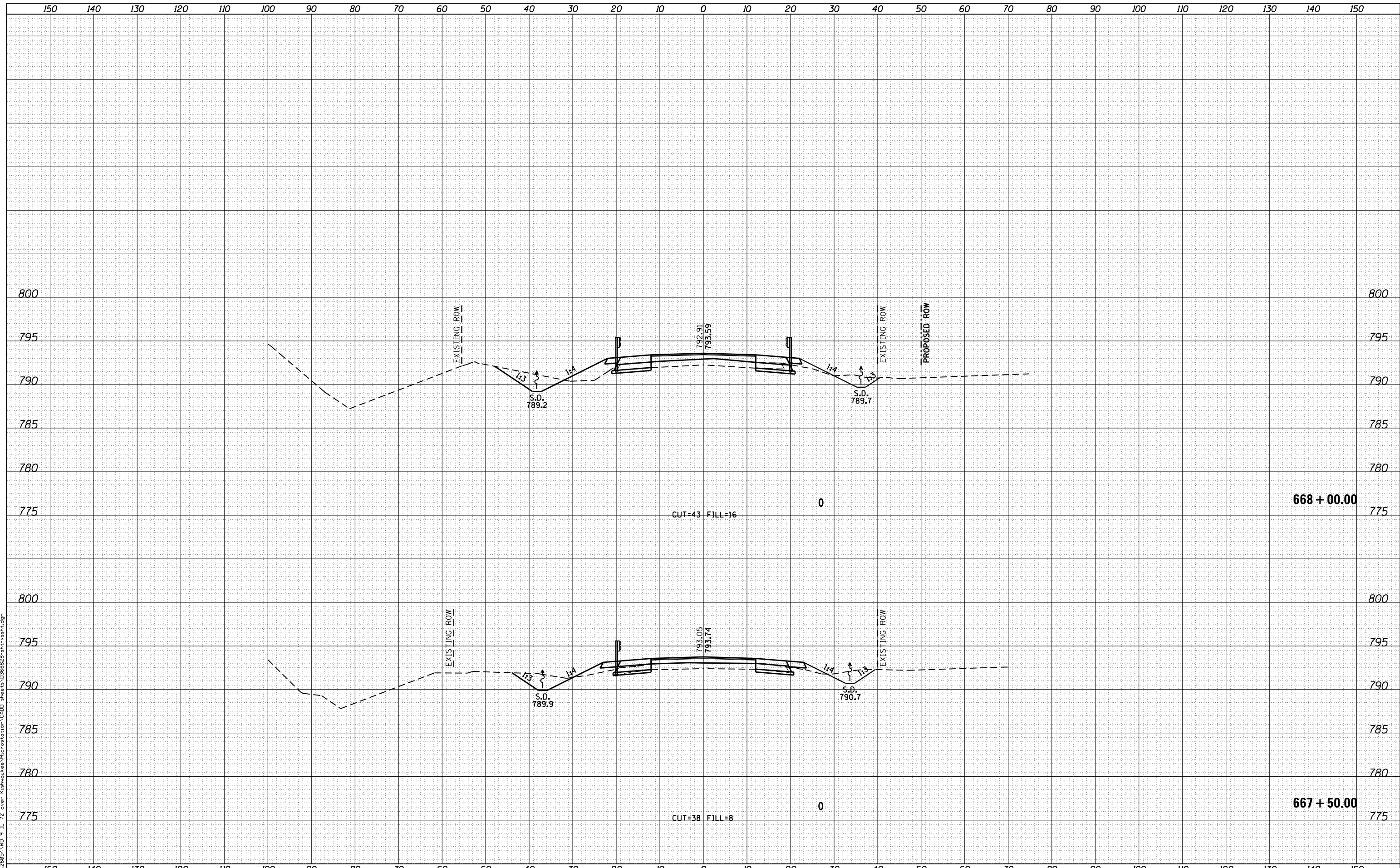
SCALE: SHEET 4 OF 10 SHEETS STA. 666+50.00 TO STA. 667+00.00

F.A.P. RTE. 553	SECTION (127) I	COUNTY DEKALB	TOTAL SHEETS 47	SHEET NO. 41
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = M:\266854\WD 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rash.dgn



DATES ASSOCIATES
Engineering - Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

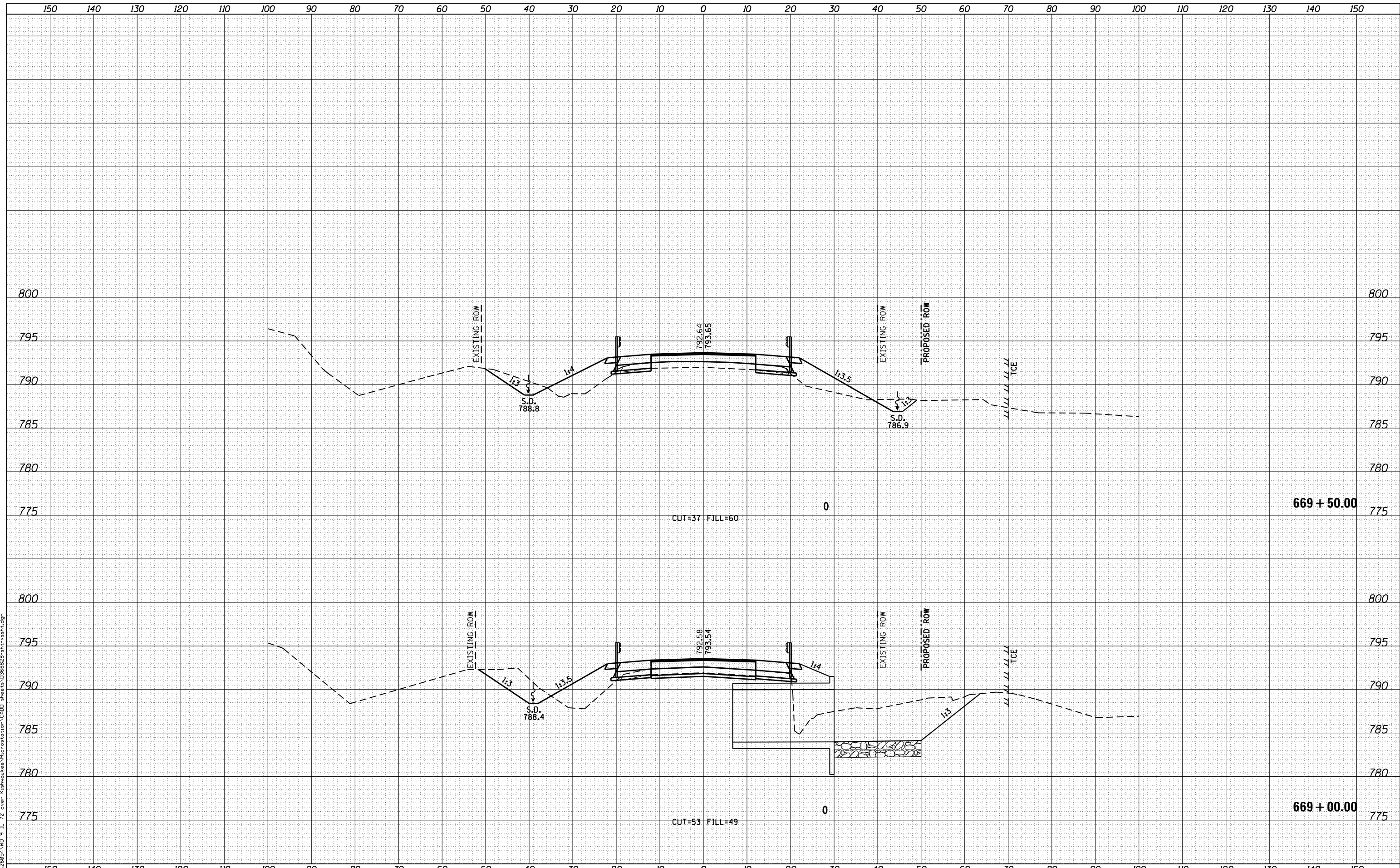
CROSS SECTION SHEETS	
SCALE:	SHEET 5 OF 10 SHEETS STA. 667+50.00 TO STA. 668+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	42
CONTRACT NO. 66828			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = M:\26954\WD 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rash.dgn



DATES ASSOCIATES
Engineering - Architecture
ILLINOIS DESIGN FIRM LICENSE NO: 184.001115

USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

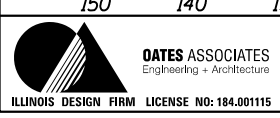
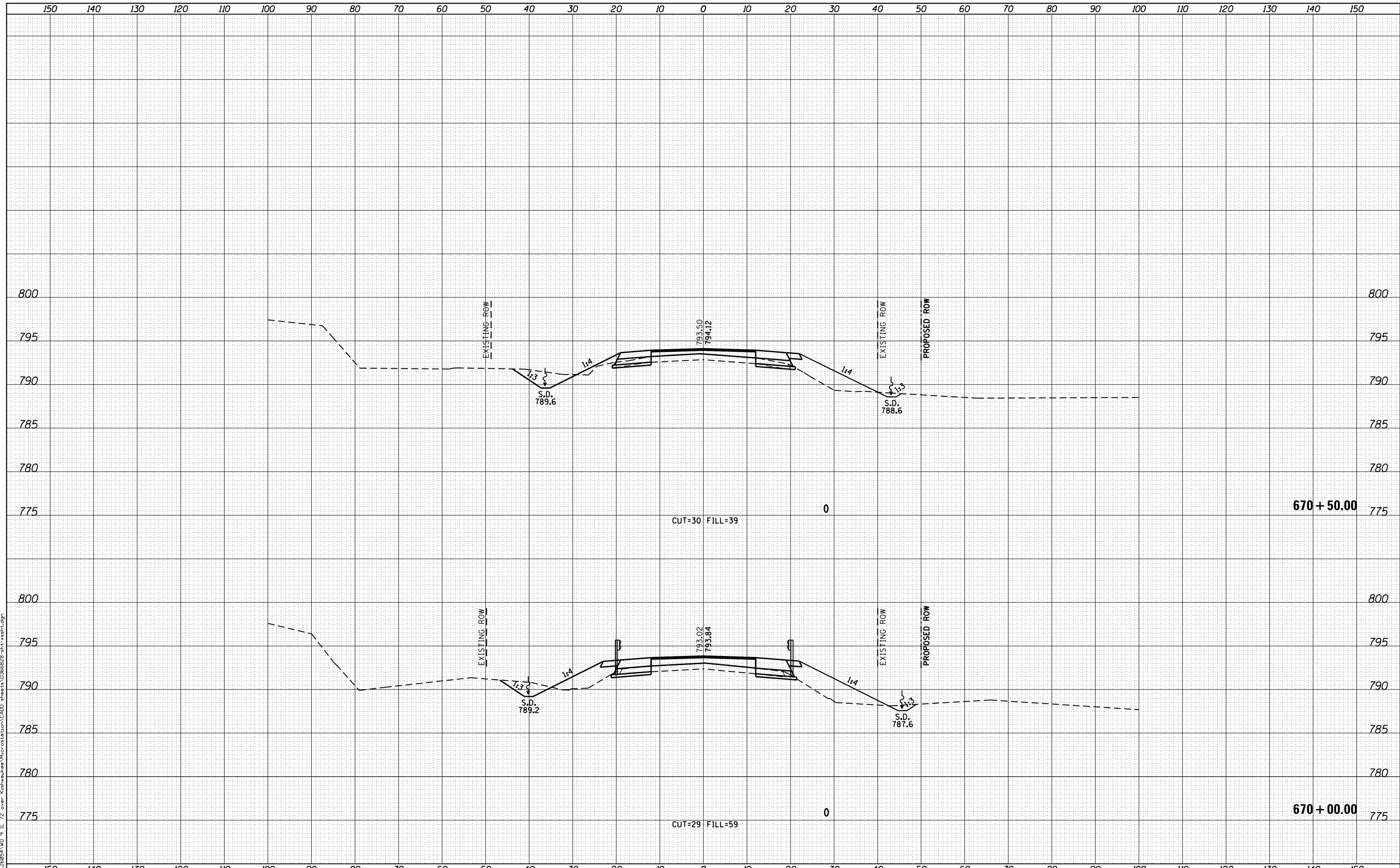
SCALE: SHEET 7 OF 10 SHEETS STA. 669+00.00 TO STA. 669+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	44
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = brianheil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/4/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

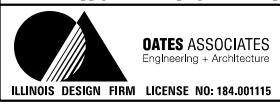
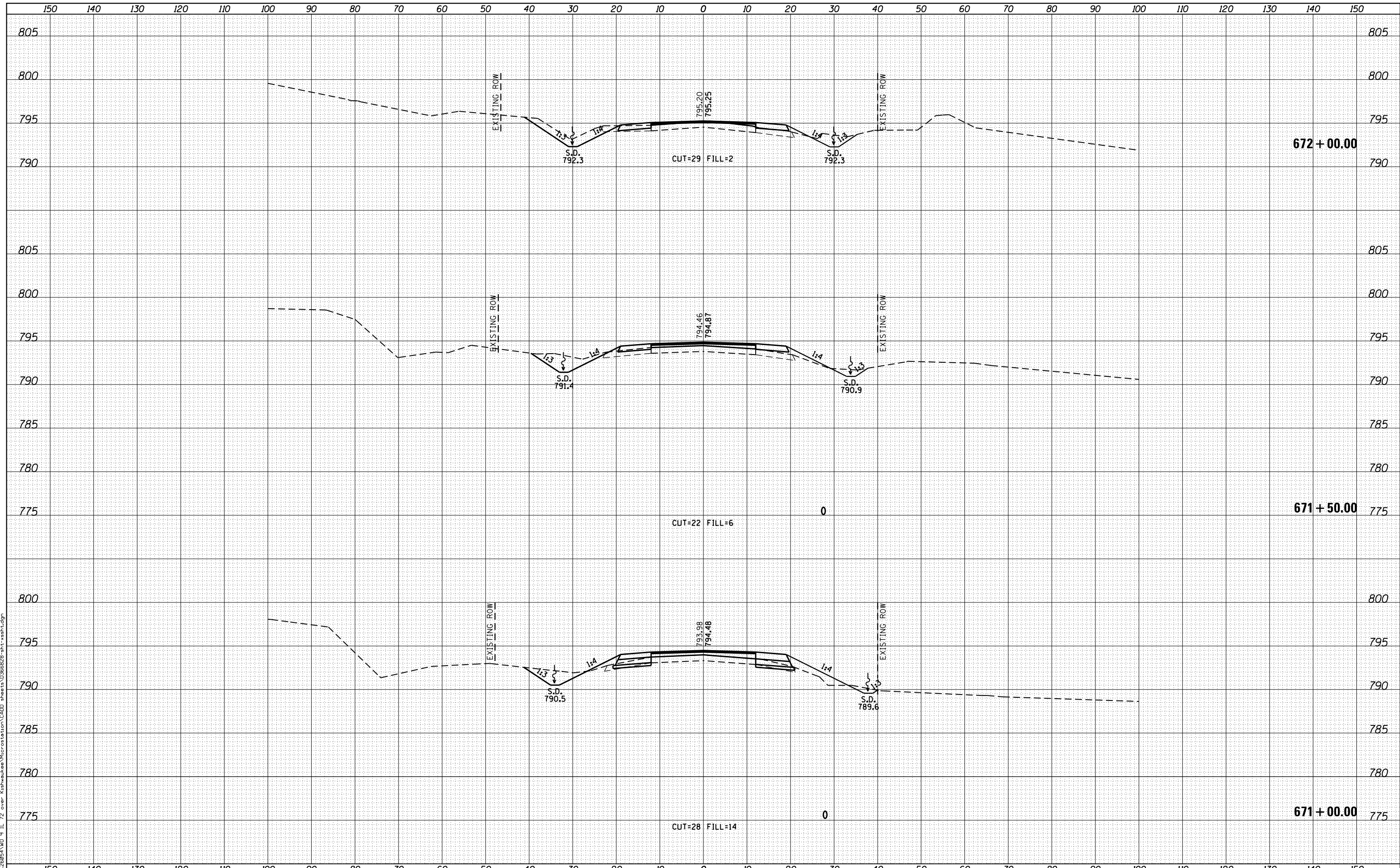
SCALE: SHEET 8 OF 10 SHEETS STA. 670+00.00 TO STA. 670+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	45
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME = M:\26854\WD 9 IL 72 over Kishwaukee Vicinity\station\CADD sheets\0366828-plt-rsht.dgn



USER NAME = brianheil	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/4/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

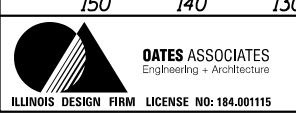
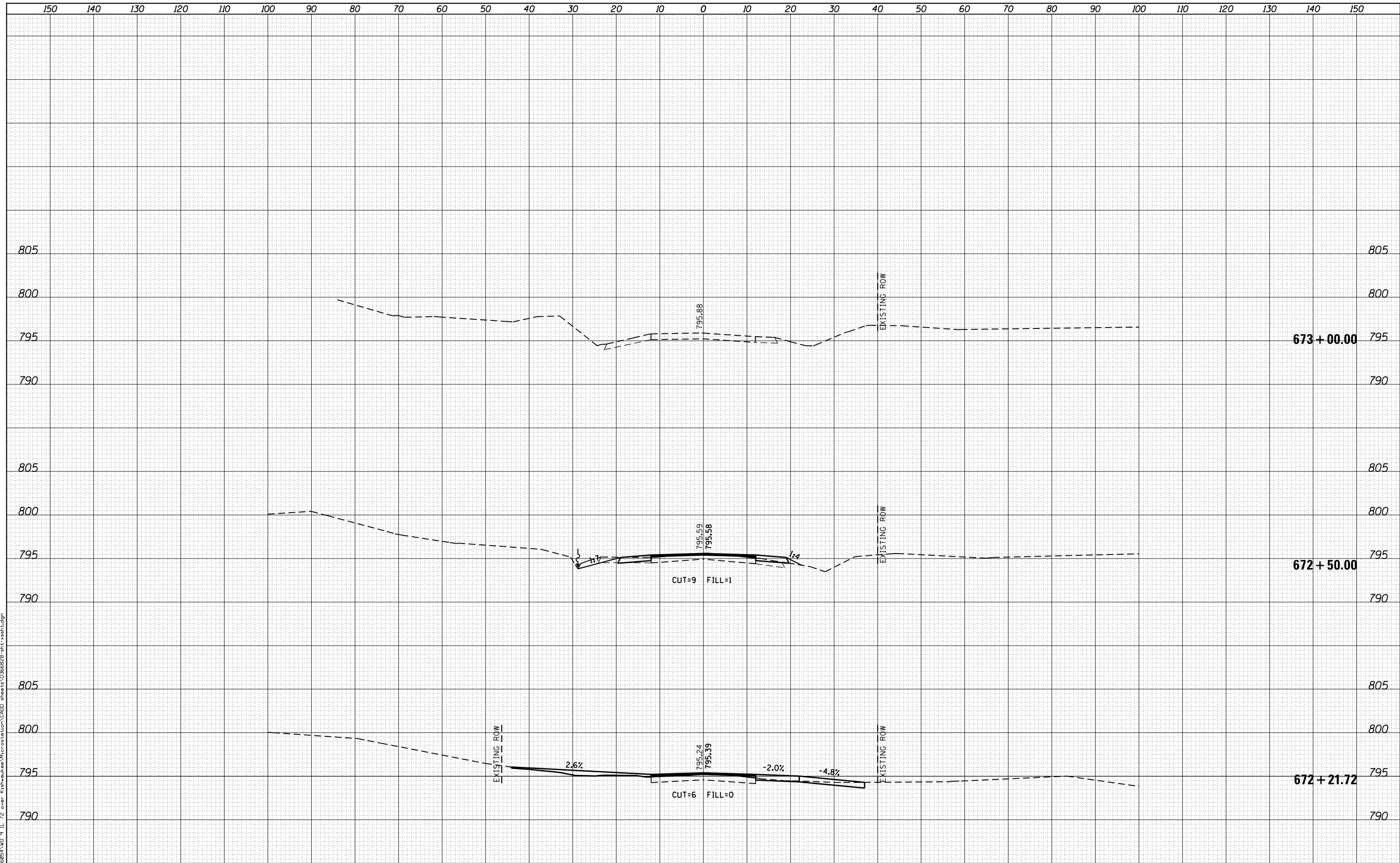
CROSS SECTION SHEETS	
SCALE:	SHEET 9 OF 10 SHEETS STA. 671+00.00 TO STA. 672+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	46
CONTRACT NO. 66828			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = M:\26854\WD 9 IL 72 over Kishwaukee Microstation\CADD sheets\0366828-plt-rxsh.dgn



USER NAME = brianheil	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 8/4/2016	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTION SHEETS

SCALE: SHEET 10 OF 10 SHEETS STA. 672+21.72 TO STA. 673+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(127) I	DEKALB	47	47
			CONTRACT NO. 66828	
ILLINOIS FED. AID PROJECT				