

04-27-12 LETTING
 REVIEW & INSPECTION ONLY

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 347: IL 38
 SECTION: LY (HB & VB)
 AT KAUTZ ROAD AND UNION PACIFIC RAILROAD
 PROJECT: ACF-0347(028)
 GRADE SEPARATION AND RECONSTRUCTION
 DUPAGE AND KANE COUNTIES
 C-91-869-09

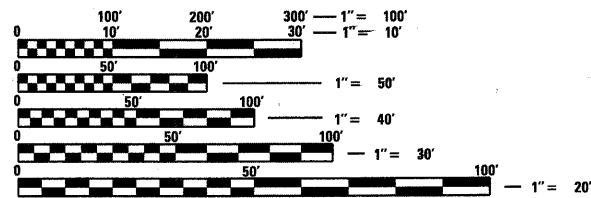
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60122	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATIONS:
 STA 109+06.70 @ IL RTE 38 =
 STA 1100+00.00, @ KAUTZ RD
 STA 109+10.15 @ IL RTE 38 =
 STA 22+04.52 @ NORTH UP RR TRACK

DESIGN DESIGNATION
 IL RTE 38 3200(30) OTHER PRINCIPAL ARTERIAL 6.03 (JPCP-20)
 KAUTZ RD 600(30) COLLECTOR STREET 0.81 (JPCP-20)

DESIGN SPEED: IL RTE 38 = 45 MPH
 KAUTZ RD = 45 MPH

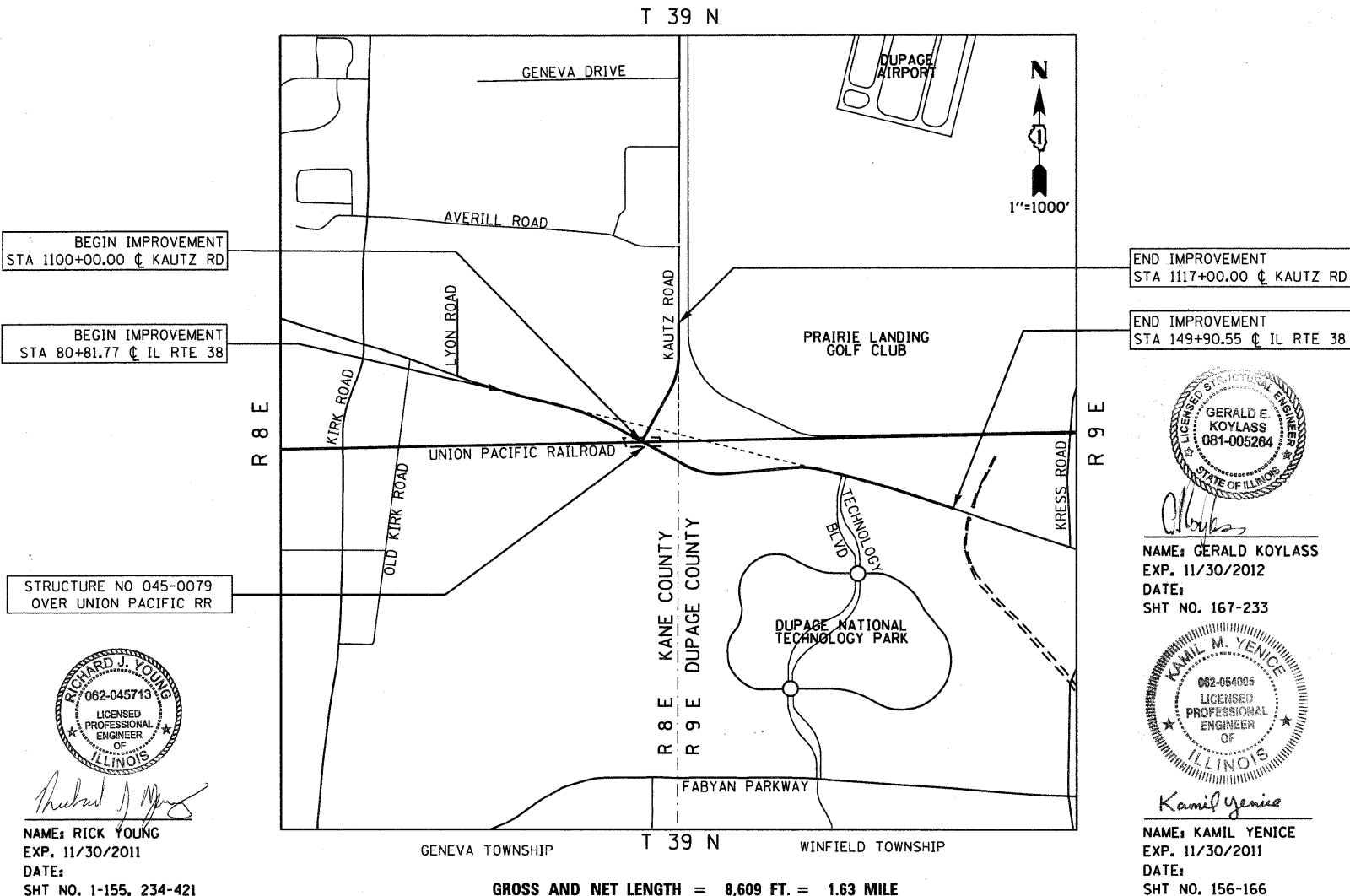


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: CRAIG BAUER
 PROJECT MANAGER: LONG TRAN

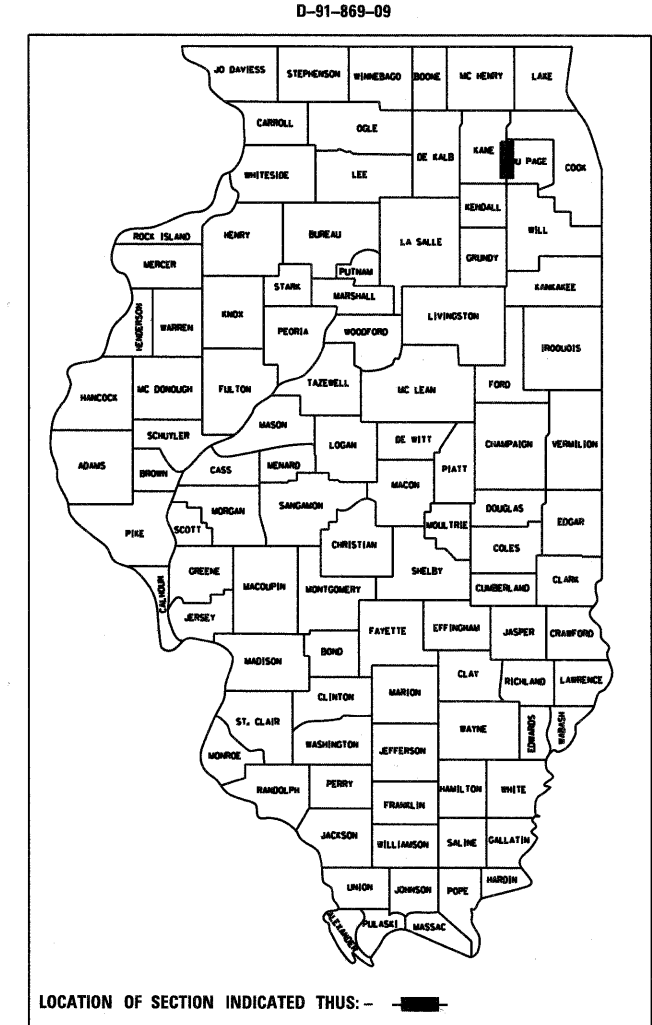
CONTRACT NO. 60122



RICHARD J. YOUNG
 062-045713
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 EXP. 11/30/2011
 DATE: 11/30/2011
 SHT NO. 1-155, 234-421

GERALD E. KOYLASS
 081-005264
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 NAME: GERALD KOYLASS
 EXP. 11/30/2012
 DATE: 11/30/2012
 SHT NO. 167-233

KAMIL M. YENICE
 062-054005
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 NAME: KAMIL YENICE
 EXP. 11/30/2011
 DATE: 11/30/2011
 SHT NO. 156-166



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED OCTOBER 14, 2011
 Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
 March 23, 2012
 John D. Baranzelli, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT
 March 23, 2012
 William R. Frenkel
 acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS

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INDEX OF SHEETS

SHEET NO.	DRAWING NO.	DESCRIPTION
1	CV-1	COVER SHEET
2	IS-1	INDEX OF SHEETS AND HIGHWAY STANDARDS
3	GN-1	GENERAL NOTES AND COMMITMENTS
4-12	SQ-1 to SQ-9	SUMMARY OF QUANTITIES
13-20	TYP-1 to TYP-8	TYPICAL SECTIONS
21-23	SC-1 to SC-3	SCHEDULES OF QUANTITIES
24-25	AT-1 to AT-2	ALIGNMENTS, TIES, AND BENCHMARKS
26-30	EX-1 to EX-5	EXISTING PLAN AND REMOVALS
31-35	PR-1 to PR-5	PROPOSED PLAN
36-39	PF-1 to PF-4	IL ROUTE 38 PROFILE
40-41	PF-5 to PF-6	KAUTZ ROAD PROFILE
42	MOT-1	MAINTENANCE OF TRAFFIC GENERAL NOTES
43-45	MOT-2 to MOT-4	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
46	MOT-5	MAINTENANCE OF TRAFFIC STAGE 1
47-51	MOT-6 to MOT-10	MAINTENANCE OF TRAFFIC STAGE 2
52-57	MOT-11 to MOT-16	MAINTENANCE OF TRAFFIC STAGE 3
58	MOT-17	DETOUR PLAN
59	EN-1	EROSION AND SEDIMENT CONTROL GENERAL NOTES AND LEGEND
60	EN-2	EROSION AND SEDIMENT CONTROL DETAILS, STRATEGY AND SCHEDULE
61-65	EC-1 to EC-5	EROSION AND SEDIMENT CONTROL PLAN
66-67	ED-1 to ED-2	EROSION AND SEDIMENT CONTROL DETAILS
68-72	DU-1 to DU-5	DRAINAGE PLAN
73-78	DU-6 to DU-11	DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE
79	DU-12	MANHOLE WITH RESTRICTOR PLATE
80	DU-13	PIPE UNDERDRAIN, RIPRAP SCHEDULE AND DETAIL
81	DU-14	UTILITY PROTECTION PAD DETAIL
82-85	DP-1 to DP-4	IL ROUTE 38 DRAINAGE PROFILE
86-87	DP-5 to DP-6	KAUTZ ROAD DRAINAGE PROFILE
88	DP-7	STORM SEWER DRAINAGE PROFILE
89	PND-1	DETENTION POND GRADING PLAN
90-95	SUE-1 to SUE-6	SUE INVESTIGATION OF UNDERGROUND UTILITIES
96-97	UTIL-1 to UTIL-2	SANITARY SEWER RELOCATION PLAN
98	UTIL-3	SANITARY SEWER RELOCATION PROFILE
99	UTIL-4	SANITARY SEWER DETAILS
100-101	WTR-1 to WTR-2	WATER MAIN PLAN
102	WTR-3	WATER MAIN PROFILE
103-104	WTR-4 to WTR-5	WATER MAIN DETAILS
105-114	PLAT-1 to PLAT-10	PLAT OF HIGHWAYS
115-121	PD-1 to PD-7	IL 38 PAVEMENT DETAILS
122-123	PD-8 to PD-9	KAUTZ ROAD PAVEMENT DETAILS
124	PD-10	LONGEST DRIVE PLAN AND PROFILE AND PAVEMENT DETAILS
125	DE-1	DRIVEWAY DETAILS
126-130	PM-1 to PM-5	PAVEMENT MARKING AND SIGNAGE PLAN
131	LA-1	LANDSCAPE SCHEDULE AND DETAILS
132-136	LA-2 to LA-6	LANDSCAPE PLAN
137-138	LD-1 to LD-2	LANDSCAPE MEDIAN DETAILS
139	TS-1	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS 6 OF 6
140-143	TS-2 to TS-5	TRAFFIC SIGNAL - ILL ROUTE 38/KAUTZ ROAD
144-149	TS-6 to TS-11	TRAFFIC SIGNAL INTERCONNECT
150	TS-12	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
151-155	TS-13 to TS-17	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
156-166	RL-1 to RL-11	LIGHTING PLANS
167-233	1 to 66	STRUCTURE PLANS
234	BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5M)
235	BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
236	TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
237	TC-11	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
238	TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
239	TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
240	TC-18	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
241	TC-22	ARTERIAL ROAD INFORMATION SIGN
242	TC-26	DRIVEWAY ENTRANCE SIGNING
243	XP-1	CROSS SECTION KEY PLAN
244-395	XS-38-1 to XS-38-152	IL ROUTE 38 CROSS SECTIONS
396-421	XS-KTZ-1 to XS-KTZ-26	KAUTZ ROAD CROSS SECTIONS

HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
202001-01	EARTH MEDIAN DITCH CHECK
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
420701-02	PAVEMENT FABRIC
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 36" (900 MM) DIAMETER AT RIGHT ANGLE WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-03	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600 MM) THRU 54" (1300 MM) PIPE)
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAINS
602001-02	CATCH BASIN, TYPE A
602401-03	MANHOLE, TYPE A
602406-05	MANHOLE, TYPE A, 6' (1.8 M) DIAMETER
602501-02	VALVE VAULT, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE 8
604091-02	FRAME AND GRATE, TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-02	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60)
606201-02	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
631031-10	TRAFFIC BARRIER TERMINAL, TYPE 6
664001-02	CHAIN LINK FENCE
701101-02	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS > 45 MPH
701606-08	LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-08	LANE CLOSURE, MULTILANE, INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-02	PEDESTRIAN PUSH BUTTON POST
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

FILE NAME = D:\60122-SHT-INDEX01.dgn	USER NAME = EricD	DESIGNED - MJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND HIGHWAY STANDARDS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MJT	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	347	LY (HB & VB)	DUPAGE/KANE	421	2
		CHECKED - E.JG	REVISED -						IS-1		CONTRACT NO. 60122		
		DATE - 12/09/11	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF GENEVA, CITY OF WEST CHICAGO, DUPAGE COUNTY AND KANE COUNTY.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.
6. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
7. USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS. USE THE LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE) DETAIL SHOWN ON HIGHWAY STANDARD 420001 FOR ALL LONGITUDINAL JOINTS AND FOR TYING PCC PAVEMENT WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS.
8. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
9. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS
10. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. THE ENGINEER SHALL CONTACT DON CHIARUGI, TRAFFIC FIELD ENGINEER, AT (847) 741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
14. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
15. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
16. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
17. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
19. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
20. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN IN THE PLANS.

21. 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.
22. SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
23. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRATOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
24. THE WORK REQUIRED TO CONNECT ANY STORM OR SANITARY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
25. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: SPRINT NEXTEL, NICOR GAS, NATURAL GAS PIPELINE COMPANY OF AMERICA (KINDER MORGAN, INC.), COMED, COMCAST CABLE, AT&T, CITY OF GENEVA.
26. THIS PROJECT WILL REQUIRE A U.S. ARMY CORPS OF ENGINEERS 404 PERMIT, AS WELL AS A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
27. 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 SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
28. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIMES FOR THE VARIOUS HOT MIX ASPHALT LIFTS.
29. ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
30. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.
31. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
32. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWER, WATER MAIN, SANITARY SEWER, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE PER ARTICLES 105.07 AND 107.31 OF THE STANDARD SPECIFICATIONS. WHEN REQUIRED, LOCATING UTILITIES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPLORATION TRENCH, SPECIAL.
33. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF GENEVA & CITY OF WEST CHICAGO. ALL TREE PROTECTION, REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
34. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
35. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZON" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

36. THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.
37. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
38. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
39. THE CONTRACTOR IS ADVISED THAT THE PROJECT IS IN CLOSE PROXIMITY TO THE DUPAGE COUNTY AIRPORT, AND COORDINATION WITH THE AIRPORT AND THE FAA WILL BE REQUIRED DURING THE PROSECUTION OF THE WORK. OF PARTICULAR IMPORTANCE ARE THE USE OF TALL CRANES AND THE MANNER IN WHICH THEIR USE MAY AFFECT AIRPORT OPERATIONS. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT CASE STUDIES THROUGH THE FAA WEB PAGE THAT DEFINES THE HEIGHT OF THE CRANE TO BE UTILIZED, AND THE POTENTIAL CRANE LOCATIONS THAT MAY BE REQUIRED TO CONSTRUCT THE BRIDGE. THE CONTRACTOR SHALL COMPLY WITH ALL FAA AND DUPAGE COUNTY AIRPORT REQUIREMENTS, CRITERIA, STANDARDS, AND RESTRICTIONS THAT RESULT FROM THE FAA DETERMINATIONS. FOR ADDITIONAL INFORMATION, SEE THE SPECIAL PROVISIONS. NO ADDITIONAL COMPENSATION OR TIME EXTENSION WILL BE ALLOWED TO COMPLY WITH THESE REQUIREMENTS.

UNION PACIFIC RAILROAD GENERAL NOTES

- A. NO DISRUPTION OF RAILROAD OPERATIONS WILL BE PERMITTED.
- B. A TEMPORARY CONSTRUCTION FENCE OR BARRIER MUST BE PLACED A MINIMUM OF 25 FEET FROM THE NEAREST TRACK. FENCE OR BARRIER MUST BE A MINIMUM OF 6 FEET HIGH AND EXTEND TO THE LIMITS OF THE PROJECT ALONG THE RAILROAD'S RIGHT OF WAY, OR THE TEMPORARY CONSTRUCTION AREA. THE CONTRACTOR MUST ORGANIZE HIS WORK TO BE PERFORMED BEHIND THE REQUISITE FENCE. ANY WORK WITHIN 25 FEET OF LIVE RAILROAD OPERATIONS WILL BE KEPT TO A MINIMUM AND IS SUBJECT TO RAILROAD APPROVAL.
- C. A CONTRACTOR'S RIGHT OF ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON UPRR PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- D. WORK WINDOWS WITHIN THE 25 FOOT ZONE ARE ONLY AVAILABLE FROM 9:00AM-3:30PM, MONDAY THRU FRIDAY. EXTENDED WORK WINDOWS MAY BE AVAILABLE OVERNIGHT, NON-RUSH HOUR, OR ON WEEKENDS SUBJECT TO APPROVAL FROM THE LOCAL FIELD MANAGER AND CORRIDOR MANAGER.
- E. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. CALL KANDICE MILLER @ (312) 496-4738 TO SCHEDULE. MINIMUM 72 HOURS ADVANCE NOTICE IS REQUIRED.
- F. RAILROAD UTILITIES ARE NOT INCLUDED UNDER JULIE. CALL KANDICE MILLER AT (312) 496-4738 FOR LOCATES.
- G. FIBER OPTICS ARE PRESENT IN THIS AREA. CALL (800) 336-9193 TO COORDINATE ANY REQUIRED PROTECTION OR RELOCATION, PRIOR TO CONSTRUCTION.

COMMITMENTS

1. (NONE)

FILE NAME = 0168122-SHT-GENNOTE.dgn	USER NAME = EricG	DESIGNED - MJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND COMMITMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MJT	REVISED -						347	LY (HB & VB)	DUPAGE/KANE	421	3
	PLOT SCALE = 1/80	CHECKED - E.JG	REVISED -		GN-1				CONTRACT NO. 60122				
	PLOT DATE = 12/12/2011	DATE - 12/09/11	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODES										
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS		SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH	
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	490	0004	0004	0008	0021	0021	0043	0043	0043	0028		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	850	459	391									
20101000	TEMPORARY FENCE	FOOT	1,812	979	833									
20101200	TREE ROOT PRUNING	EACH	7	4	3									
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	7	4	3									
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7	4	3									
20200100	EARTH EXCAVATION	CU YD	64,409	34,781	29,628									
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	11,868	6,409	5,459									
20400800	FURNISHED EXCAVATION	CU YD	385,571	208,209	177,362									
20800150	TRENCH BACKFILL	CU YD	8,217	3,543	3,017				750		907			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	34,690	18,733	15,957									
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	34,166	18,450	15,716									
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	101,530	54,827	46,703									
21101665	TOPSOIL FURNISH AND PLACE, 18"	SO YD	48,440	26,158	22,282									
21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	12,270	6,626	5,644									
25000210	SEEDING, CLASS 2A	ACRE	8.1	4.4	3.7									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	740	400	340									
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	745	403	342									
25100115	MULCH, METHOD 2	ACRE	49.3	26.6	22.7									
25100630	EROSION CONTROL BLANKET	SO YD	101,518	54,820	46,698									
25200110	SODDING, SALT TOLERANT	SO YD	10,570	5,708	4,862									
25200200	SUPPLEMENTAL WATERING	UNIT	50	27	23									
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	297	161	136									
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6,600	3,564	3,036									
28000305	TEMPORARY DITCH CHECKS	FOOT	2,464	1,331	1,133									
28000400	PERIMETER EROSION BARRIER	FOOT	29,930	16,163	13,767									
28000500	INLET AND PIPE PROTECTION	EACH	19	11	8									
28000510	INLET FILTERS	EACH	147	80	67									
28100105	STONE RIPRAP, CLASS A3	SO YD	107	58	49									
28100107	STONE RIPRAP, CLASS A4	SO YD	77	42	35									
28200200	FILTER FABRIC	SO YD	179	97	82									
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SR YD	71,001	38,816	33,065									
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SO YD	50,574	27,310	23,264									
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	4,347	921	783									2,643
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	482	261	221									
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	152	83	69									

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =	USER NAME = EricG	DESIGNED - MJT	REVISED -
D160122-SHT-S0001.dgn		DRAWN - MJT	REVISED -
		CHECKED - EJC	REVISED -
		DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	4
SQ-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	2,400	0004	0004	0008	0021	0021	0043	0043	0043	0028
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	110	59	51							
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	829	288	244							297
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SO YD	51,954	28,056	23,898							
42001300	PROTECTIVE COAT	SO YD	64,580	34,874	29,706							
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SO YD	2,183	1,179	1,004							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	473	256	217							
42400800	DETECTABLE WARNINGS	SO FT	165	112	53							
44000100	PAVEMENT REMOVAL	SO YD	58,816	31,761	27,055							
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	4,883	2,637	2,246							
44000300	CURB REMOVAL	FOOT	366	198	168							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	17,276	9,330	7,946							
44000600	SIDEWALK REMOVAL	SO FT	13,064	7,055	6,009							
44003100	MEDIAN REMOVAL	SO FT	58,895	31,804	27,091							
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SO YD	300	162	138							
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	250	135	115							
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SO YD	200	108	92							
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	150	81	69							
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	361	195	166							
50200100	STRUCTURE EXCAVATION	CU YD	7,076		7,076							
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	4,917		4,917							
50300100	FLOOR DRAINS	EACH	4		4							
50300225	CONCRETE STRUCTURES	CU YD	995.0		995.0							
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,534.7		2,534.7							
50300260	BRIDGE DECK GROOVING	SO YD	5,557		5,557							
50300285	FORM LINER TEXTURED SURFACE	SO FT	1,261		1,261							
50300300	PROTECTIVE COAT	SO YD	6,564		6,564							
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1							
50500505	STUD SHEAR CONNECTORS	EACH	12,824		12,824							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	803,630		803,630							
50800515	BAR SPLICERS	EACH	690		690							
50900105	ALUMINUM RAILING, TYPE L	FOOT	360		360							
50901735	BRIDGE FENCE RAILING (SIDEWALK)	FOOT	335		335							
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	17,646		17,646							
51202305	DRIVING PILES	FOOT	17,646		17,646							

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =
 D160122-SHT-S0002.dgn

USER NAME = ERI10G	DESIGNED - MJT	REVISED -
PLOT SCALE = 1/8"	DRAWN - MJT	REVISED -
PLOT DATE = 11/9/2011	CHECKED - EJC	REVISED -
	DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	5
SQ-2			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Rev.

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES										
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH		
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY		
0004	0004	0008	0021	0021	0043	0043	0043	0020						
51203200	TEST PILE METAL SHELLS	EACH	6			6								
51500100	NAME PLATES	EACH	1			1								
52000110	PREFORMED JOINT STRIP SEAL	FOOT	514			514								
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	31			31								
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	13			13								
52100540	ANCHOR BOLTS, 1 1/2"	EACH	120			120								
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	11	3	8									
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	14	14										
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2		2									
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2	2										
54215418	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"	EACH	1	1										
54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	EACH	2	2										
54215436	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 36"	EACH	2		2									
54248130	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 24"	EACH	2		2									
54248150	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 30"	EACH	2	2										
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	121	66	55									
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	90	49	41									
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	343	186	157									
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	22	12	10									
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	97	53	44									
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	757	409	348									
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	3,207	1,732	1,475									
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	433	234	199									
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	957	517	440									
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	2,982	1,611	1,371									
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	541	293	248									
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	1,324	715	609									
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	200	108	92									
550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	FOOT	167	91	76									
550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	337	182	155									
550A0980	STORM SEWERS, CLASS A, TYPE 4 18"	FOOT	215	117	98									
550A1620	STORM SEWERS, CLASS A, TYPE 6 36"	FOOT	673	364	309									
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	335	181	154									
550B0020	STORM SEWERS, CLASS B, TYPE 1 6"	FOOT	235						88	147				
55100500	STORM SEWER REMOVAL 12"	FOOT	1,620	875	745									

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES										
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH		
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED 20% STATE	80% FED 20% DUPAGE CTY		
55100700	STORM SEWER REMOVAL 15"	FOOT	580	314	266	0008	0021	0021						
55100900	STORM SEWER REMOVAL 18"	FOOT	84	46	38									
55101200	STORM SEWER REMOVAL 24"	FOOT	282	153	129									
55101400	STORM SEWER REMOVAL 30"	FOOT	100	54	46									
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	44						32			12		
56103200	DUCTILE IRON WATER MAIN 10"	FOOT	39									39		
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	2,157						1,170			987		
56105100	WATER VALVES 10"	EACH	1									1		
56105200	WATER VALVES 12"	EACH	3						2			1		
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2						1			1		
58700300	CONCRETE SEALER	SO FT	9,580			9,580								
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	55						30			25		
60107600	PIPE UNDERDRAINS 4"	FOOT	3,047	1,646	1,401									
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	29	16	13									
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	98	53	45									
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	3	2	1									
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2		2									
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	6	5									
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	40	22	18									
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7						3			4		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	8	5	3									
60255500	MANHOLES TO BE ADJUSTED	EACH	7	4	3									
60500050	REMOVING CATCH BASINS	EACH	41	23	18									
60500060	REMOVING INLETS	EACH	4	3	1									
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	12	7	5									
60600605	CONCRETE CURB, TYPE B	FOOT	322	174	148									
60602800	CONCRETE GUTTER, TYPE B	FOOT	612	331	281									
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	688	372	316									
60604700	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)	FOOT	12,243	6,612	5,631									
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	17,207	9,292	7,915									
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	1,618	874	744									
60619910	CONCRETE MEDIAN, TYPE SB-6.18	SO FT	2,413	1,304	1,109									
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	512.5	512.5										
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2										
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2										

- DENOTES SPECIALTY ITEM
- △ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =	USER NAME = EricG	DESIGNED - MJT	REVISED -
D:\60122-SHT-S0004.dgn		DRAWN - MJT	REVISED -
	PLOT SCALE = 1:50	CHECKED - EJG	REVISED -
	PLOT DATE = 11/9/2011	DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	7
SQ-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES									
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH	
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY	
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY	
				0004	0004	0008	0021	0021	0043	0043	0043	0028	
63200310	GUARDRAIL REMOVAL	FOOT	466	252	214								
66400505	CHAIN LINK FENCE, 8'	FOOT	610			610							
67100100	MOBILIZATION	L SUM	1	1									
67201000	SEALING ABANDONED WATER WELLS	EACH	2	2									
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	630	341	289								
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	63	35	28								
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	219	119	100								
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	30,924	16,699	14,225								
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,191	644	547								
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	276	150	126								
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	131	71	60								
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	14,046	7,586	6,460								
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,240	670	570								
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,881	1,016	865								
72000100	SIGN PANEL - TYPE 1	SO FT	121.5	59.0	49.0	13.5							
72000200	SIGN PANEL - TYPE 2	SO FT	70.0	19.0	16.0	35.0							
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	48	26	22								
72900200	METAL POST - TYPE B	FOOT	195	106	89								
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,120	1,145	975								
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SO FT	1,020	551	469								
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	17,663	9,539	8,124								
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	5,829	3,148	2,681								
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	1,813	980	833								
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	360	195	165								
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	506	274	232								
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	34	19	15								
78100300	REPLACEMENT REFLECTOR	EACH	110	60	50								
78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	5	3								
78200530	BARRIER WALL MARKERS, TYPE C	EACH	109	59	50								
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2									
78300100	PAVEMENT MARKING REMOVAL	SO FT	7,499	4,050	3,449								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	300	162	138								
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2				2						
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1						
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1							

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =
 D160122-SHT-S0005.dgn

USER NAME = EricG
 DESIGNED - MJT
 DRAWN - MJT
 CHECKED - EJC
 DATE - 10/14/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	8
SQ-5		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4,118	0004	0004	0008	0021	0021	0043	0043	0043	0028
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	35				35					
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	44				44					
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,048				742	306				
81100800	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL	FOOT	20				20					
81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	320				320					
81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	2				2					
81400100	HANDHOLE	EACH	11				9	2				
81400300	DOUBLE HANDHOLE	EACH	2				2					
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,184					2,184				
81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	179					179				
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	348					348				
81800200	AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	958					958				
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	12					12				
83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	8					8				
83057170	LIGHT POLE, WOOD, 35 FOOT, CLASS 3	EACH	3					3				
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	100.0					100.0				
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8					8				
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	7					7				
84200804	REMOVAL OF POLE FOUNDATION	EACH	11					11				
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4					4				
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1					1				
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1					1				
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2				2					
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1				1					
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SMI2F	FOOT	5,864				5,864					
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5,864				5,864					
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,481				1,481					
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,757				2,757					
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,380				2,380					
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,426				2,426					
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	118				118					
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,230				1,230					
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2				2					
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1				1					

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME = D160122-SH1-S0006.dgn	USER NAME = EricG	DESIGNED - MJT	REVISED -
		DRAWN - MJT	REVISED -
		CHECKED - EJC	REVISED -
		DATE - 12/09/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 6 OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	9
SQ-6		CONTRACT NO.	60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED. 20% STATE	80% FED. 20% DUPAGE CTY
0004	0004	0008	0021	0021	0043	0043	0043	002B				
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1				1					
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8				8					
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4				4					
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28				28					
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1				1					
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5				5					
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1					
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1				1					
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5				5					
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2				2					
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1				1					
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10				10					
88700200	LIGHT DETECTOR	EACH	3				3					
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1					
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4				4					
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,502				1,502					
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1					
89502380	REMOVE EXISTING HANDHOLE	EACH	16				16					
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11				11					
A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	14	8	6							
A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	6	5							
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	13	8	5							
A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	6	4							
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	15	9	6							
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	32.40	18.00	14.40							
K0013060	PERENNIAL PLANTS, SEDGE MEADOW TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	0.64	0.35	0.29							
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	27	23							
X0320374	PLUG EXISTING SANITARY SEWERS	EACH	3								3	
X0322464	ABANDON AND FILL EXISTING SANITARY MANHOLE	EACH	7								7	
X0322791	FILL EXISTING SANITARY SEWERS	CU YD	80								80	
X0324044	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	EACH	18	10	8							
X0324097	COARSE SAND PLACEMENT, 2"	SO YD	94,940	51,268	43,672							
X0324534	REMOVE AND REINSTALL LIGHT POLES	L SUM	1						1			
X0325323	MANHOLES, TYPE A, SANITARY, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9								9	
X0326020	UTILITY PROTECTION PAD	SO YD	16		16							

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =	USER NAME = EricG	DESIGNED - MJT	REVISED -
D:\160122-SHT-50087.dgn		DRAWN - MJT	REVISED -
		CHECKED - E.JG	REVISED -
		DATE - 12/09/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	10
SQ-7		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED- 20% STATE	80% FED- 20% DUPAGE CTY
				0004	0004	0008	0021	0021	0043	0043	0043	0026
Δ X0326738	CLEAN SANITARY MANHOLE	EACH	4								4	
Δ X0326739	CLEAN EXISTING SANITARY SEWER	FOOT	1,740								1,740	
• X0327200	MICROWAVE VEHICLE SENSOR (SMARTSENSOR ADVANCE)	EACH	2				2					
• X0327201	MICROWAVE VEHICLE SENSOR (SMARTSENSOR MATRIX)	EACH	2				2					
X0488100	REMOVE EXISTING SEPTIC TANK	EACH	2	2								
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	150	81	69							
• X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	24.4	13.2	11.2							
• X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	1.2	0.7	0.5							
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	2	1							
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	9	5	4							
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	1	1							
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	7	4	3							
Δ X5420615	PIPE CULVERTS TO BE CLEANED 15"	FOOT	147		147							
Δ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	312	169	143							
Δ X5420618	PIPE CULVERTS TO BE CLEANED 18"	FOOT	116	58	58							
Δ X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	350	189	161							
Δ X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	1,126	609	517							
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1								
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	3								3	
X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	2,770	1,496	1,274							
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	24	13	11							
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	255	138	117							
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	34,420	18,587	15,833							
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	976	527	449							
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	68	37	31							
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	112	61	51							
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	112.5	61.0	51.5							
• X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	1					1				
• X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1					1				
• X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET SPECIAL	EACH	1				1					
• X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1				1					
• X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,259				1,259					
• X8950075	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1					1				
Z0001050	AGGREGATE SUBGRADE 12"	SO YD	71,881	38,816	33,065							
Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1								
Z0007602	BUILDING REMOVAL NO. 2	L SUM	1	1								
Z0007603	BUILDING REMOVAL NO. 3	L SUM	1	1								

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT
 Δ NON-PARTICIPATING (100% STATE)

Rev.

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODES								
				ROADWAY IL 38/KAUTZ		BRIDGE SN 045-0079 (PROPOSED)	SAFETY TRAFFIC SIGNALS	SAFETY LIGHTING	WATER MAIN & CASING	CASING PIPE	WATER MAIN & SANITARY	BIKE PATH
				KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	KANE COUNTY	DUPAGE COUNTY	KANE COUNTY	DUPAGE COUNTY
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 13.2% STATE 3.4% GENEVA 3.4% WEST CHICAGO	100% STATE	100% GENEVA	100% WEST CHICAGO	80% FED- 20% STATE	80% FED- 20% DUPAGE CTY
Z0007604	BUILDING REMOVAL NO. 4	L SUM	1	0004	0004	0008	0021	0021	0043	0043	0043	0028
Z0007605	BUILDING REMOVAL NO. 5	L SUM	1	1								
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	710	384	326							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								
Z0014800	CULVERT TO BE CLEANED	FOOT	263	143	120							
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	4			4						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	16	9	7							
Z0018800	DRAINAGE SYSTEM	L SUM	1			1						
Z0022800	FENCE REMOVAL	FOOT	378	205	173							
Z0028462	GEOTEXTILE RETAINING WALL	SO FT	59,250			59,250						
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	4	2							
Z0030332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	5	3							
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	80	44	36							
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24					24				
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1				1					
Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SO FT	36,711			36,711						
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	343			343						
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	19,704	7,985	6,802	4,917						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1								
* Z0049801	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1								
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	139	76	63							
* Z0049802	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1								
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	174	94	80							
* Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1								
Z0057500	SANITARY SEWER 24"	FOOT	2,299							2,299		
* Z0049902	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1								
Z0062456	TEMPORARY PAVEMENT	SO YD	4,380	2,366	2,014							
* Z0049903	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS BUILDING NO. 3	L SUM	1	1								
Z0067900	STEEL CASINGS 24"	FOOT	110						110			
Z0068200	STEEL CASINGS 30"	FOOT	101						101			
Z0076600	TRAINEES	FOOT										
Z0056675	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	FOOT	250	135	115							
X0327073	STEEL CASING PIPE, AUGERED AND JACKED, 42"	FOOT	239								239	
• B7702618	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 60 FT.	EACH	1				1					
• B7702619	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 62 FT.	EACH	1				1					
• X0327375	REPLACE LUMINAIRE BALLAST ASSEMBLY	EACH	3					3				
• B3057293	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 12FT MAST ARM	EACH	4					4				

• DENOTES SPECIALTY ITEM
 Δ DENOTES 100% FUNDING BY WEST CHICAGO FIRE PROTECTION DISTRICT

FILE NAME =	USER NAME = EricG
D160122-SHT-S0009.dgn	

DESIGNED - MJT	REVISED -
DRAWN - MJT	REVISED -
CHECKED - EJC	REVISED -
DATE - 12/09/11	REVISED -

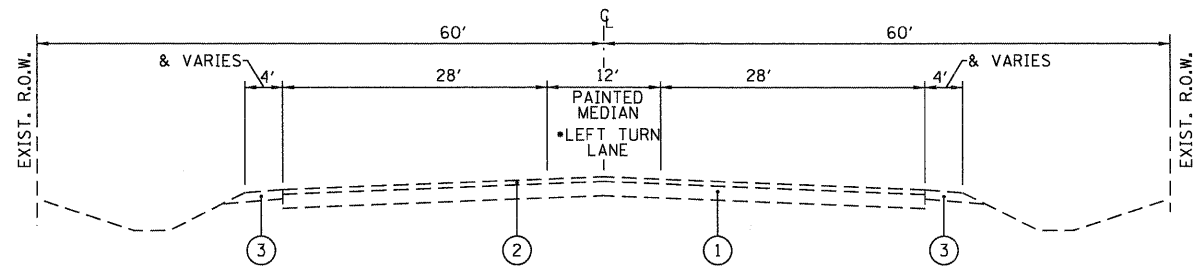
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PLOT DATE = 12/14/2011	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO. 9 OF 9 SHEETS	STA.	TO STA.

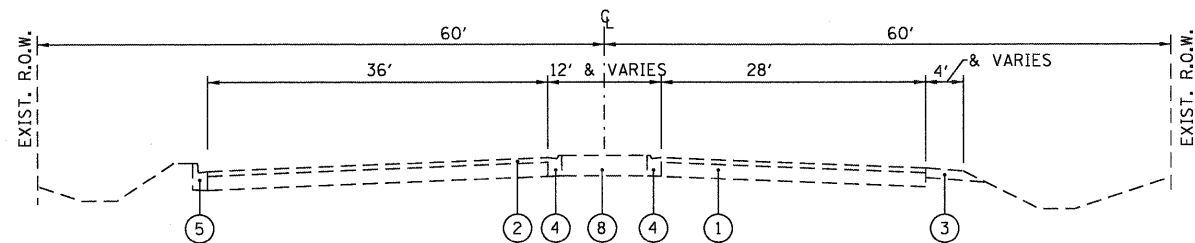
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	12
S0-9		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Rev.



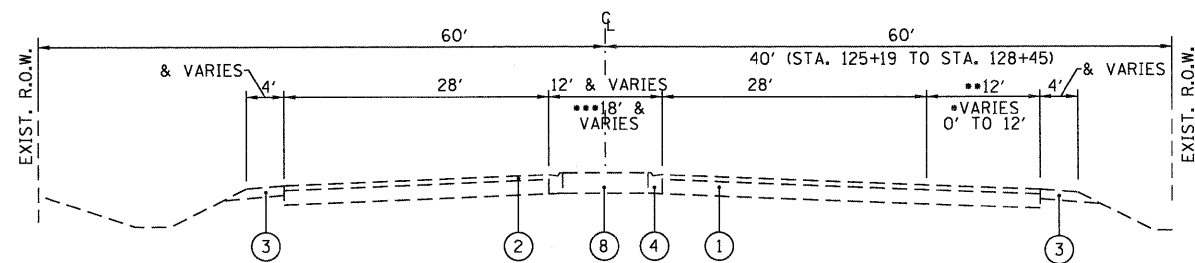
ILLINOIS ROUTE 38

STA. 80+81.77 TO STA. 84+07.00
 *STA. 108+07.40 TO STA. 113+04.10



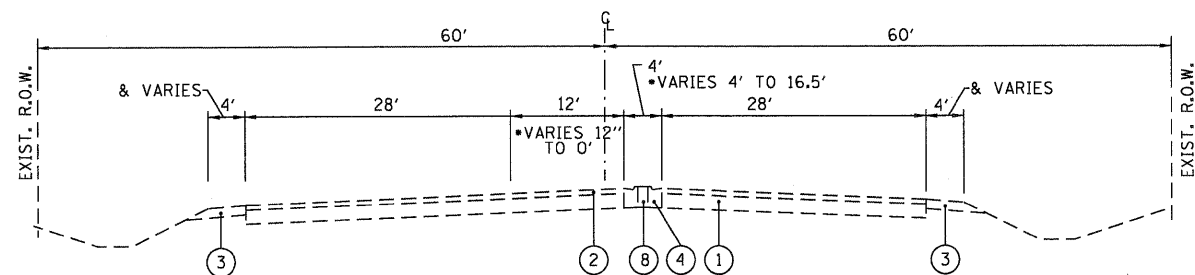
ILLINOIS ROUTE 38

STA. 113+04.10 TO STA. 118+44.60



ILLINOIS ROUTE 38

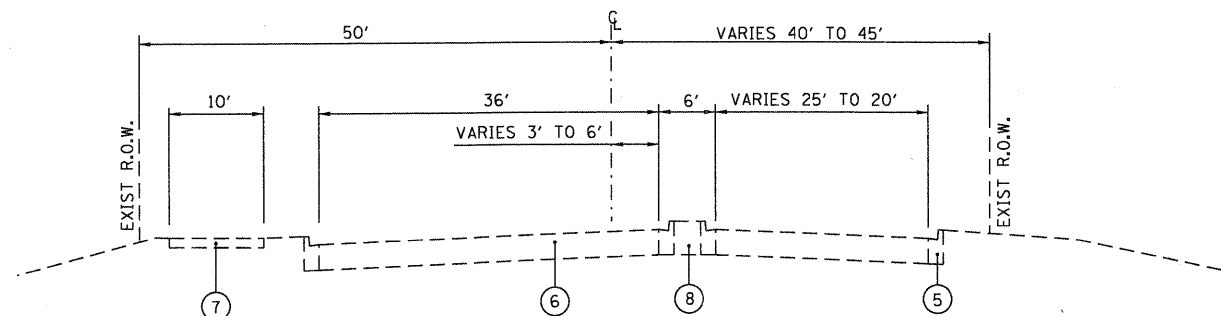
STA. 84+07.00 TO STA. 108+07.40
 STA. 118+46.70 TO STA. 128+45.00
 *STA. 128+45.00 TO STA. 131+11.32
 **STA. 131+11.32 TO STA. 135+07.40
 ***STA. 131+17.71 TO STA. 135+07.40
 STA. 142+83.17 TO STA. 149+90.55



ILLINOIS ROUTE 38

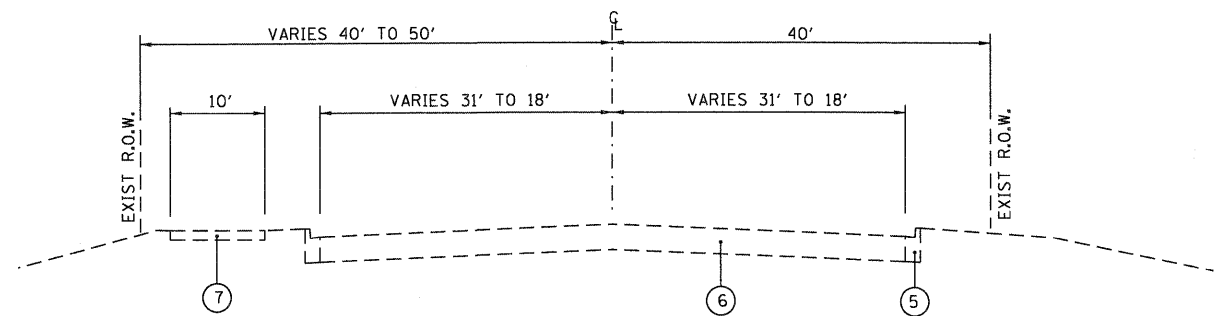
STA. 136+30.50 TO STA. 140+24.90
 *STA. 140+24.90 TO STA. 142+83.17

- ① EXISTING PORTLAND CEMENT CONCRETE, 9" & VARIES
- ② EXISTING HMA PAVEMENT, 3" & VARIES
- ③ EXISTING AGGREGATE SHOULDERS, 6" & VARIES
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING BITUMINOUS PAVEMENT, 16"
- ⑦ EXISTING BIKEPATH
- ⑧ EXISTING CONCRETE MEDIAN



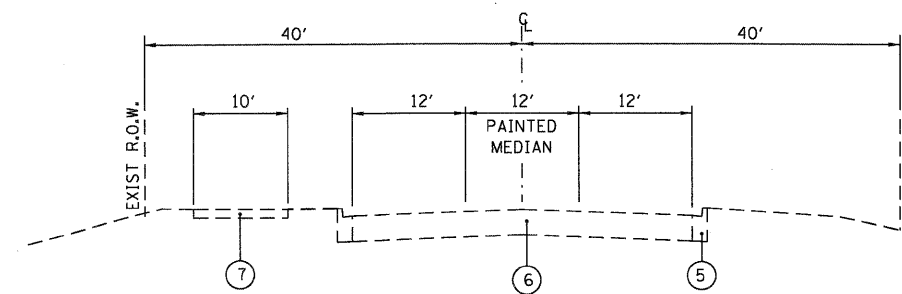
KAUTZ ROAD

STA. 1103+98.00 TO STA. 1104+93.90



KAUTZ ROAD

STA. 1104+93.90 TO STA. 1109+47.96

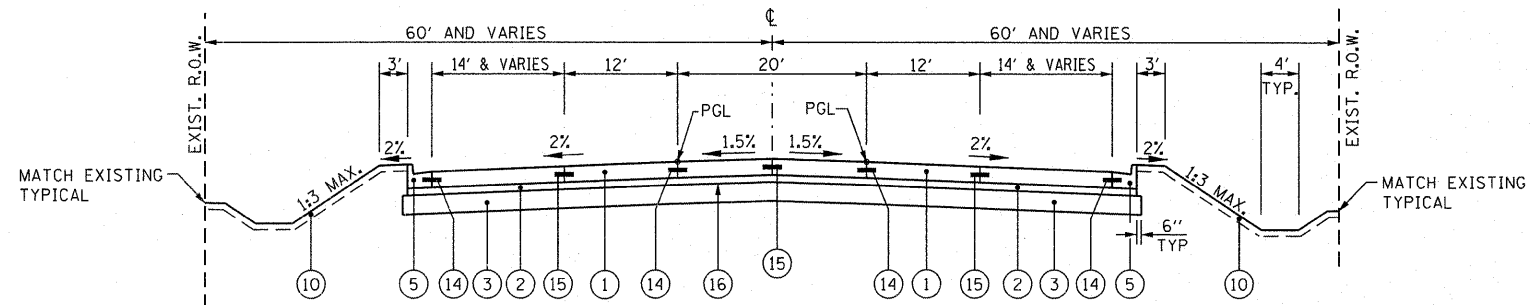


KAUTZ ROAD

STA. 1109+47.96 TO STA. 1117+00.00

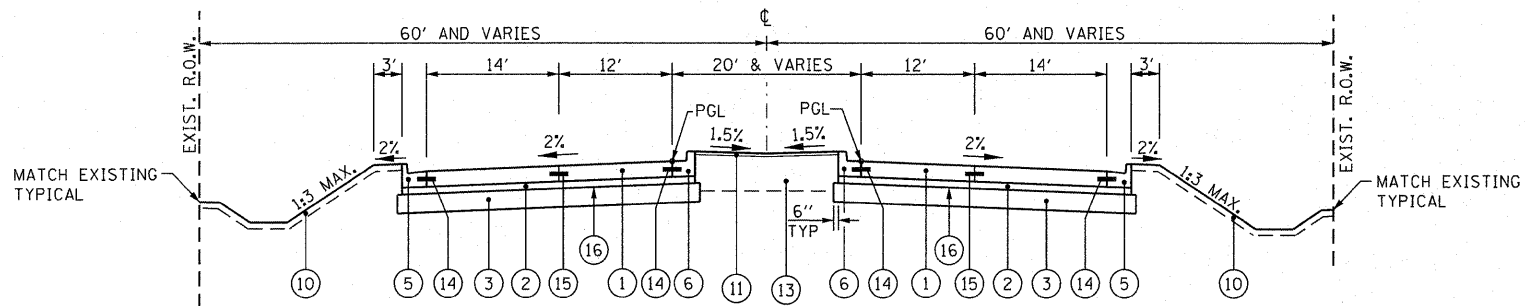
FILE NAME =	USER NAME = EricG	DESIGNED -	REVISED -
D160122-SHT-TYPICAL01.dgn		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - E.J.G.	REVISED -
	PLOT DATE = 10/17/2011	DATE - 10/14/11	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	13
TYP-1				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60122	



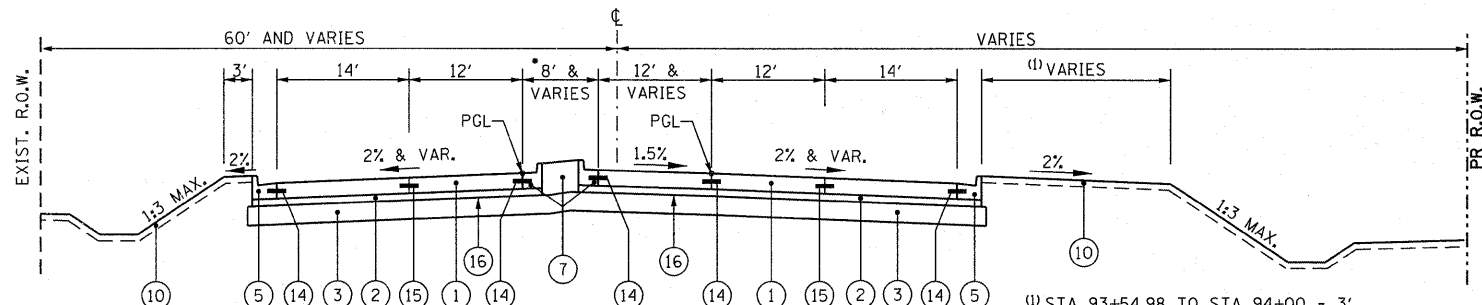
ILLINOIS ROUTE 38

STA. 80+81.77 TO STA. 84+06.71



ILLINOIS ROUTE 38

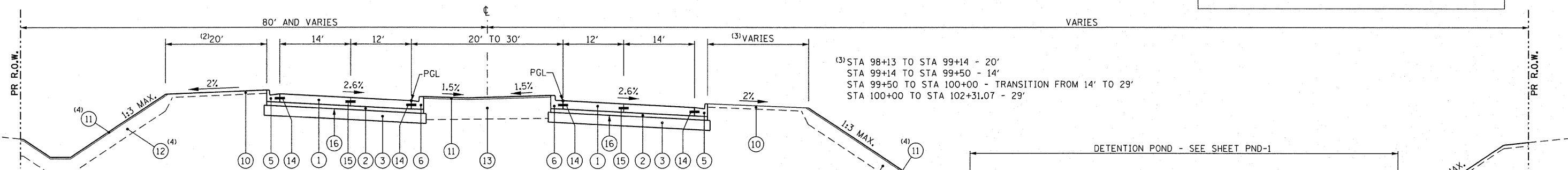
STA. 84+06.71 TO STA. 95+7.31
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS



ILLINOIS ROUTE 38

STA. 95+7.31 TO STA. 98+13.00
*STA 97+40.00 TO STA 98+13.00 (NO RAISED MEDIAN)
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

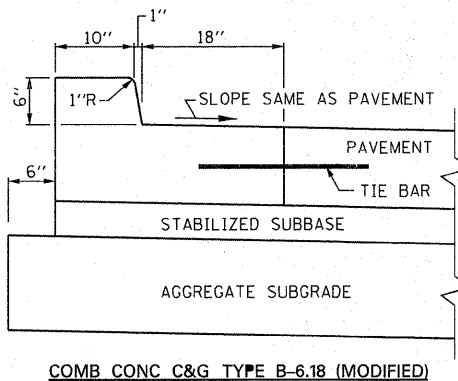
(1) STA 93+54.98 TO STA 94+00 - 3'
STA 94+00 TO STA 94+50 - TRANSITION FROM 3' TO 14'
STA 94+50 TO STA 95+00 - 14'
STA 95+00 TO STA 95+50 - TRANSITION FROM 14' TO 20'
STA 95+50 TO STA 98+13 - 20'



ILLINOIS ROUTE 38

STA. 98+13.00 TO STA. 102+31.17
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

(4) 2" SAND PLUS 18" TOPSOIL LAYER
TO BEGIN AT STATION 99+50.



COMB CONC C&G TYPE B-6.18 (MODIFIED)

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- (2) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4A) POROUS GRANULAR EMBANKMENT, SUBGRADE
- (4B) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- (7) CONCRETE MEDIAN, TYPE SB-6.18
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (9) AGGREGATE BASE COURSE, TYPE B, 6"
- (10) TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- (11) COARSE SAND PLACEMENT, 2"
- (12) TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- (13) TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- (14) LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- (15) LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- (16) BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR), SEE SPECIAL PROVISIONS.

IL 38

STRUCTURAL DESIGN TRAFFIC: YEAR 2030
 PV= 96.0% SU = 2.0% MU = 2.0%
 ROAD/STREET CLASSIFICATION: PRINCIPLE ARTERIAL
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32 S = 45 M = 45
 TRAFFIC FACTOR: ACTUAL TF = 5.73 AC TYPE = AC-20
 MINIMUM TF = 6.03
 PG GRADE: BINDER= SBS PG70-22 SURFACE= SBS PG70-22
 SUBGRADE SUPPORT RATING: POOR

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street, Chicago, Illinois 60601

FILE NAME =	USER NAME = E:icg
DI60122-SHT-TYPICAL02.dgn	
PLOT SCALE = 1:10	
PLOT DATE = 3/6/2012	

DESIGNED - ---	REVISED -
DRAWN - ---	REVISED -
CHECKED - E:JG	REVISED -
DATE - 03/07/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 2 OF 8 SHEETS	STA. TO STA.
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PROPOSED TYPICAL SECTIONS			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
347	LY (HB & VB)	DUPAGE/KANE	421
TYP-2		CONTRACT NO.	60122
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	14
TYP-2		CONTRACT NO.	60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

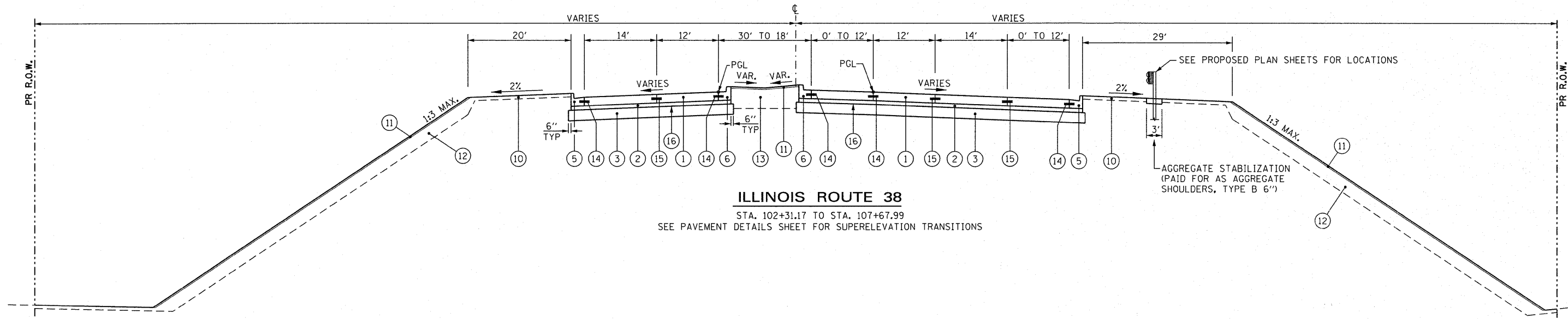
PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)

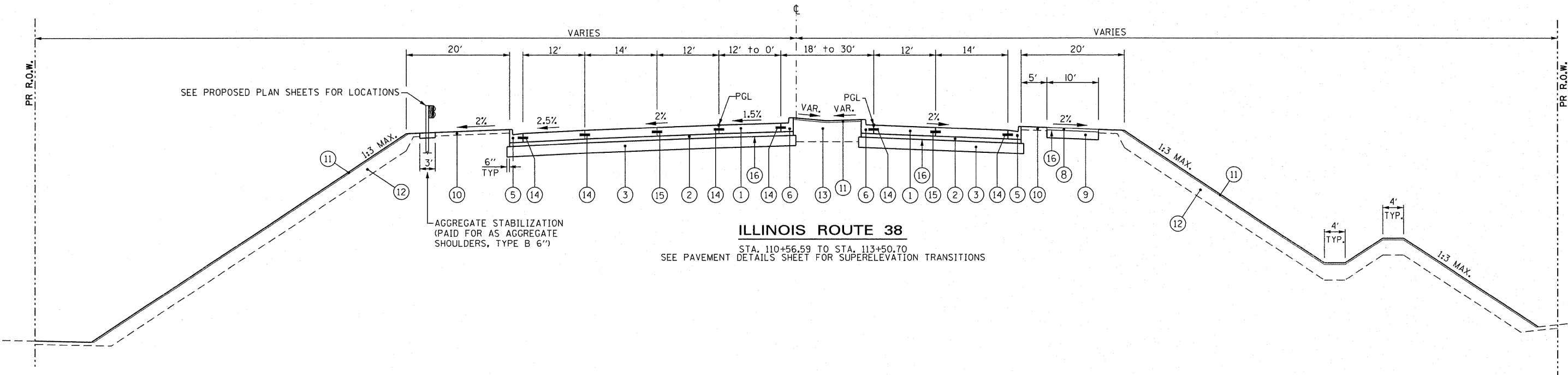
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS

- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWS JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.



ILLINOIS ROUTE 38
 STA. 102+31.17 TO STA. 107+67.99
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS



ILLINOIS ROUTE 38
 STA. 110+56.59 TO STA. 113+50.70
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME =	USER NAME = EricG
D160122-SHT-TYPICAL03.dgn	
PLOT SCALE = 1:10	
PLOT DATE = 3/6/2012	

DESIGNED - ---	REVISED -
DRAWN - ---	REVISED -
CHECKED - EJG	REVISED -
DATE - 03/07/12	REVISED -

DESIGNED - ---	REVISED -
DRAWN - ---	REVISED -
CHECKED - EJG	REVISED -
DATE - 03/07/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 3 OF 8 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	15
TYP-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

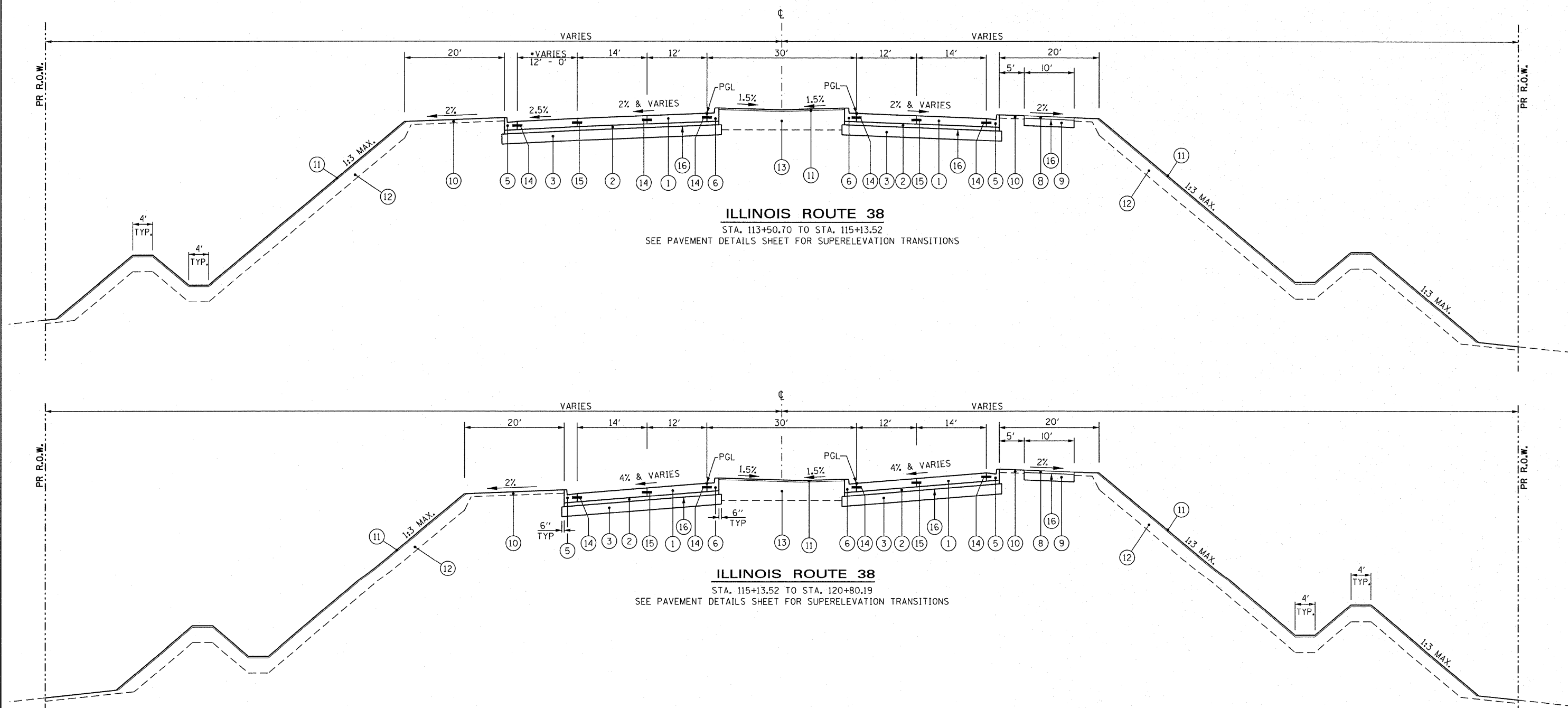
PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)

- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS

- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.



McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME =	USER NAME = EricG
D160122-SHT-TYPICAL04.dgn	
PLOT SCALE = 1:10	
PLOT DATE = 3/6/2012	

DESIGNED - ---	REVISD - ---
DRAWN - ---	REVISD - ---
CHECKED - E.JG	REVISD - ---
DATE - 03/07/12	REVISD - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: NONE SHEET NO. 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	16
TYP-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROPOSED LEGEND

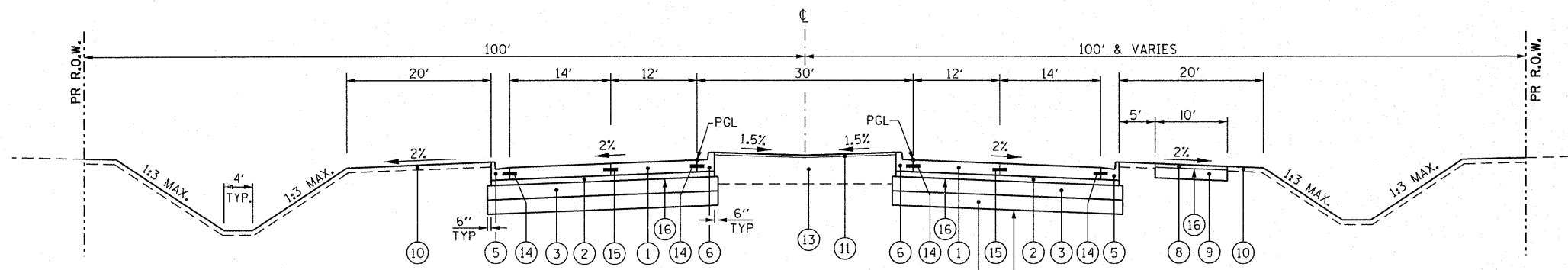
- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
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- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

SUBGRADE REPLACEMENT TABLE (UNDERCUT)

SUBGRADE REMOVAL AND REPLACEMENT WITH PGES SHALL BE REQUIRED PER THE FOLLOWING TABLE, OR AS DIRECTED BY THE ENGINEER. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE UTILIZED IN THESE AREAS AS WELL.

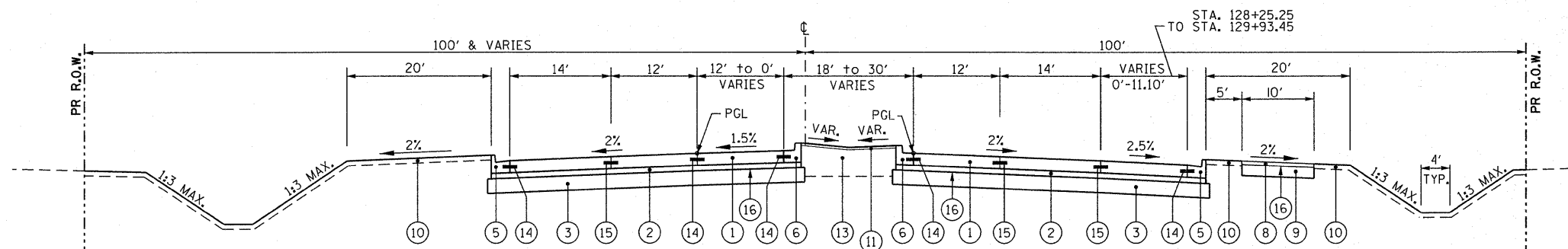
STATION LIMITS	OFFSET LIMITS	DEPTH BELOW SUBGRADE
102+75 TO 105+25	FULL WIDTH	24"
113+00 TO 115+00	FULL WIDTH	24"
124+00 TO 126+00	FULL WIDTH	12"
129+50 TO 132+50	FULL WIDTH	12"
135+50 TO 138+75	FULL WIDTH	12"
145+00 TO 149+90.55	FULL WIDTH	6"



ILLINOIS ROUTE 38

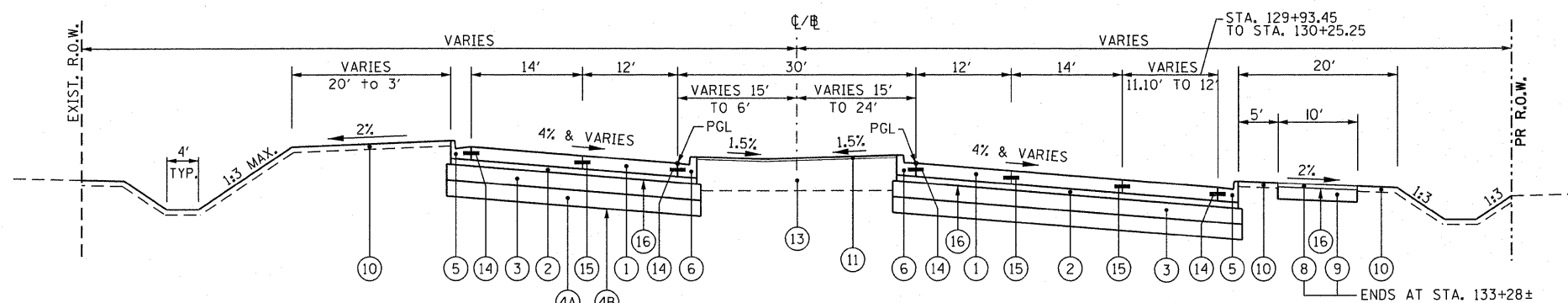
STA. 120+80.19 TO STA. 126+00.00

SEE SUBGRADE REPLACEMENT TABLE FOR LIMITS



ILLINOIS ROUTE 38

STA. 126+00.00 TO STA. 129+93.45
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS



ILLINOIS ROUTE 38

STA. 129+93.45 TO STA. 133+12.75
STA. 133+12.75 TO STA. 135+30.97 (TANGENT SECTION)
SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS

SEE SUBGRADE REPLACEMENT TABLE FOR LIMITS

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

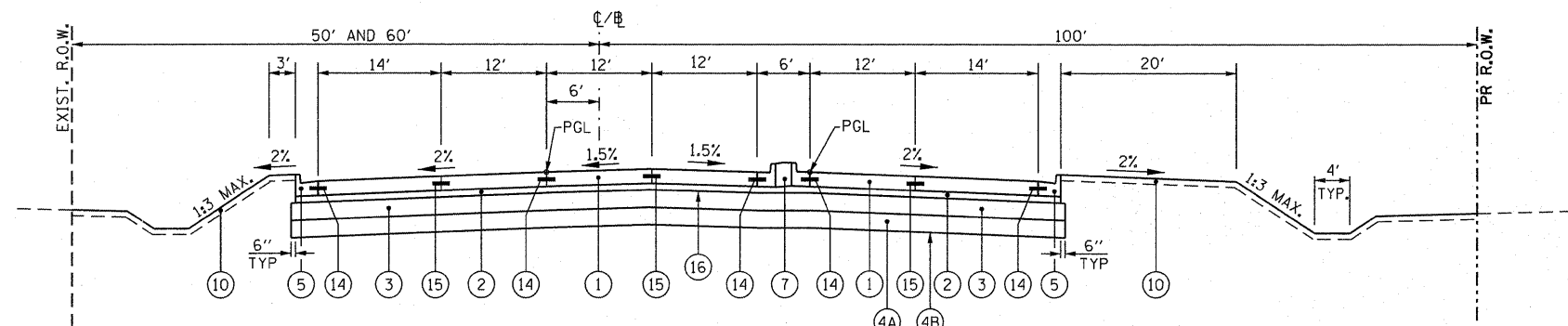
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		DRAWN - ---	REVISED -
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		DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

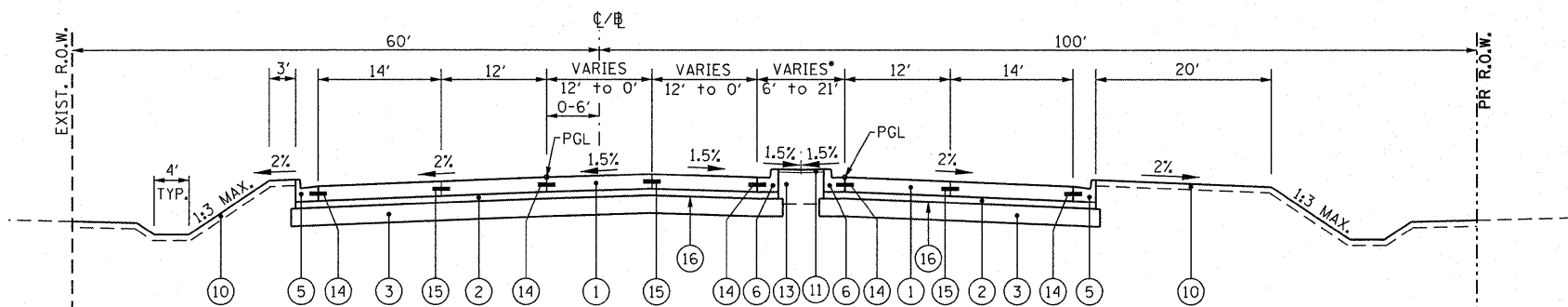
PROPOSED TYPICAL SECTIONS

SCALE: NONE SHEET NO. 5 OF 8 SHEETS STA. TO STA.

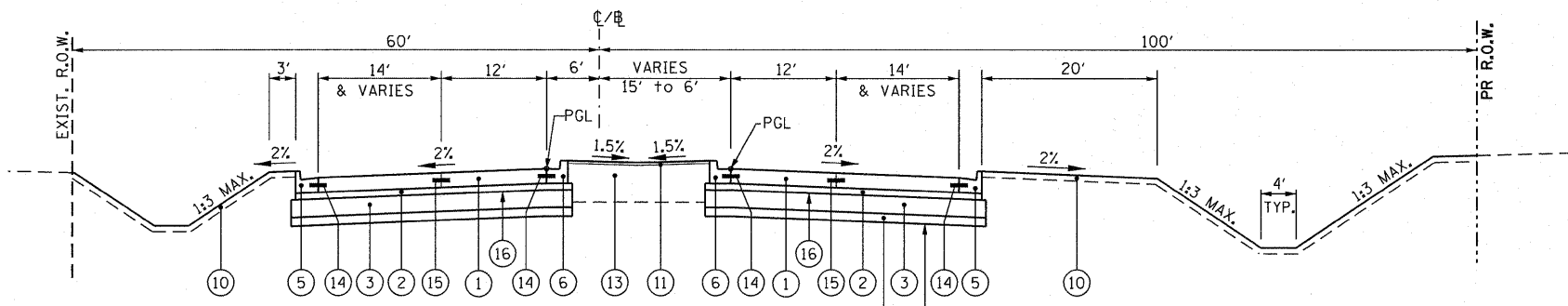
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	17
TYP-5		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



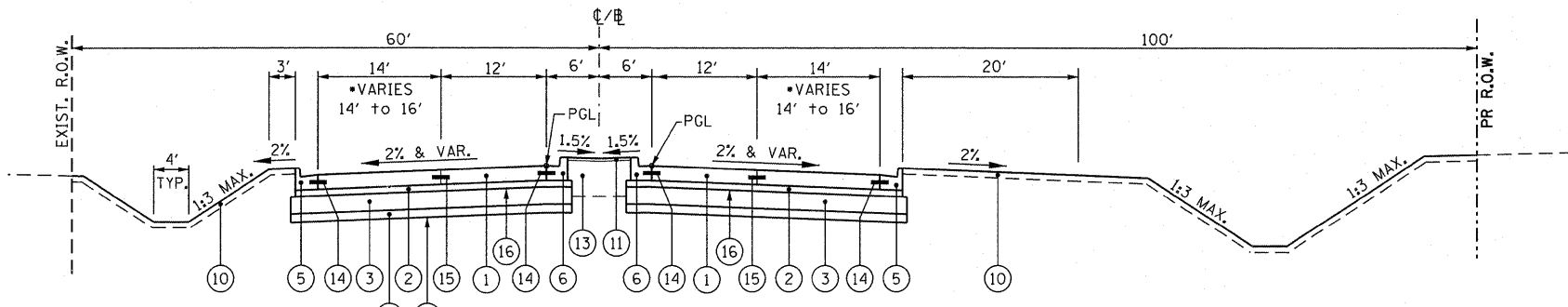
ILLINOIS ROUTE 38
 STA. 135+30.97 TO STA. 141+79.88
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS



ILLINOIS ROUTE 38
 STA. 141+79.88 TO STA. 145+39.97
 SEE PAVEMENT DETAILS SHEET FOR SUPERELEVATION TRANSITIONS
 *STA. 141+79.88 TO STA. 142+95.86 - USE 7



ILLINOIS ROUTE 38
 STA. 145+39.97 TO STA. 149+00.55
 SEE SUBGRADE REPLACEMENT TABLE ON TYP-5 FOR LIMITS



ILLINOIS ROUTE 38
 STA. 149+00.55 TO STA. 149+90.55
 SEE SUBGRADE REPLACEMENT TABLE ON TYP-5 FOR LIMITS

PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

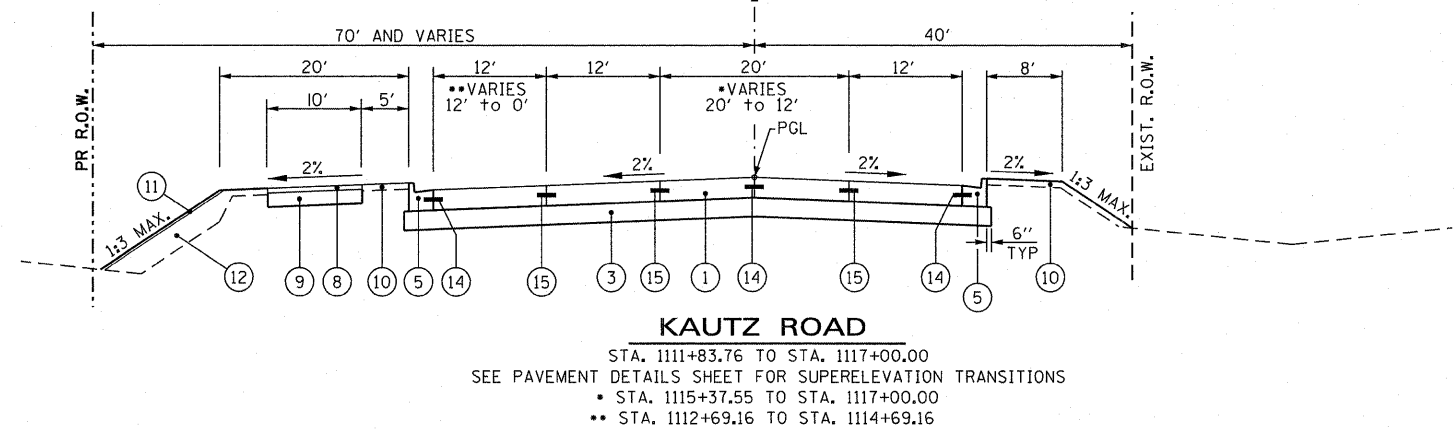
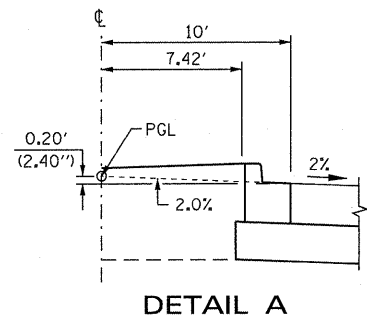
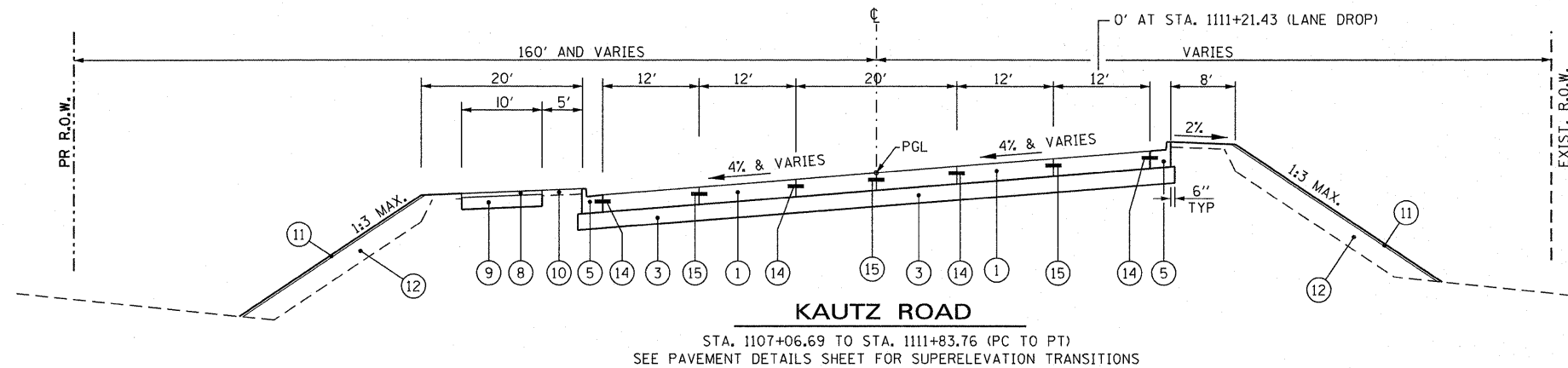
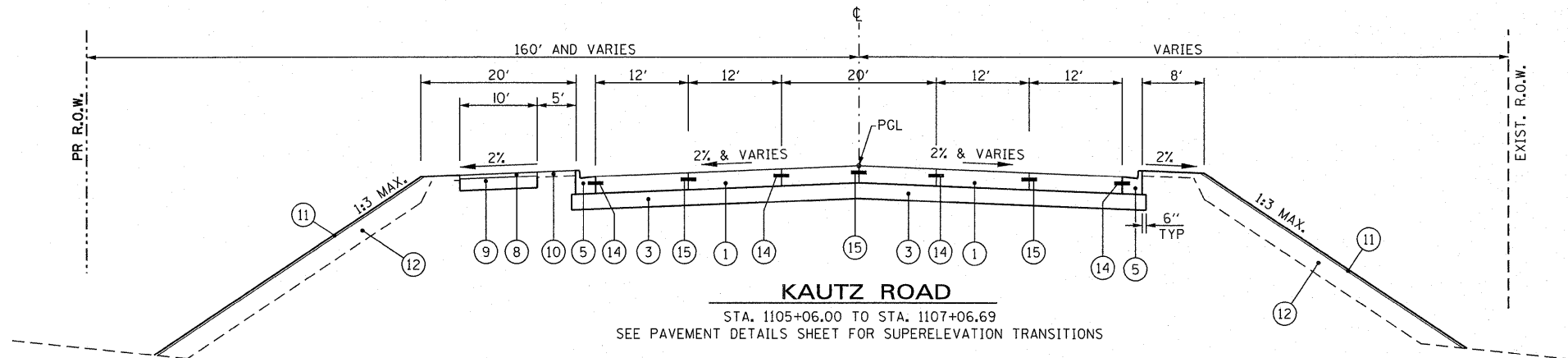
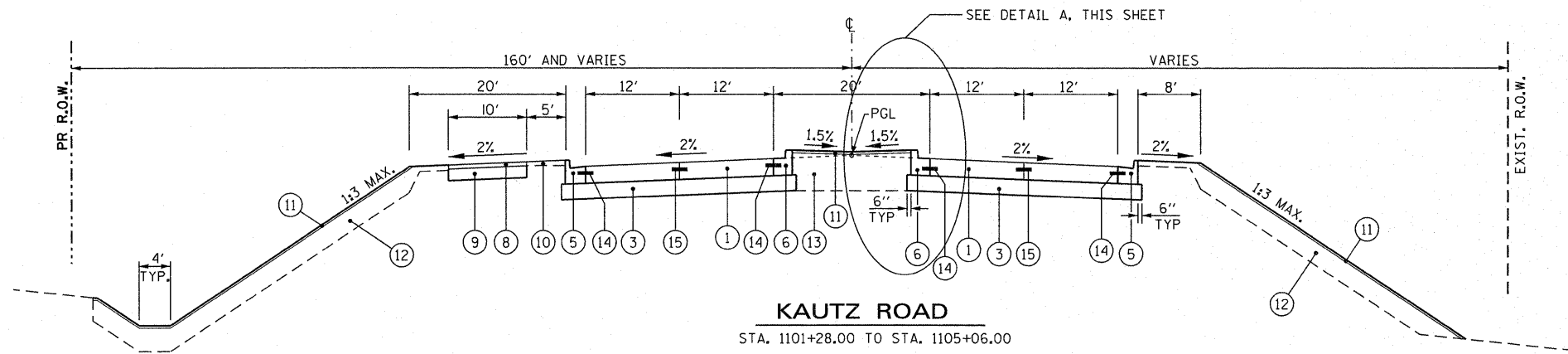
IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

FILE NAME = 0160122-SHT-TYPICAL06.dgn	USER NAME = EricG	DESIGNED - ---	REVISED - ---
		DRAWN - ---	REVISED - ---
		CHECKED - EJG	REVISED - ---
		DATE - 03/07/12	REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 6 OF 8 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	18
TYP-6			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④A POROUS GRANULAR EMBANKMENT, SUBGRADE
- ④B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (MODIFIED)
- ⑦ CONCRETE MEDIAN, TYPE SB-6.18
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑨ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT, 4" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 4" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑪ COARSE SAND PLACEMENT, 2"
- ⑫ TOPSOIL EXCAVATION AND PLACEMENT, 18" WITH SEEDING, OR TOPSOIL FURNISH AND PLACE, 18" WITH SEEDING, SEE LANDSCAPING PLANS
- ⑬ TOPSOIL EXCAVATION AND PLACEMENT, 24" WITH SODDING SALT TOLERANT, OR TOPSOIL FURNISH AND PLACE, 24" WITH SODDING SALT TOLERANT
- ⑭ LONGITUDINAL CONSTRUCTION JOINT - NO. 8 TIE BARS, 24" LONG @ 24" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑮ LONGITUDINAL SAWED JOINT - NO. 8 TIE BARS, 30" LONG @ 30" C-C (EPOXY COATED), INCIDENTAL TO PCC PAVEMENT
- ⑯ BITUMINOUS MATERIALS (PRIME COAT)

IL ROUTE 38 PAVEMENT SHALL BE EXTENDED LIFE CONCRETE PAVEMENT (30 YEAR). SEE SPECIAL PROVISIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
TEMPORARY PAVEMENT (10')	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0 mm, 8" (IN 3 LIFTS)	
DRIVEWAYS	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
- HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), PE=6", CE=8"	
MULTI-USE PATH	
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 Gyr.
STABILIZED SUB-BASE	
- STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (IL-19 mm)	3% @ 50 Gyr.
PAVEMENT PATCHING	
- CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.
4. A SURFACE COURSE IS NOT REQUIRED IF TEMPORARY PAVEMENT IS REMOVED WITHIN THE SAME CONSTRUCTION SEASON; USE BASE OR BINDER COURSE FULL DEPTH.
5. IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT, IT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS. PCC TEMPORARY PAVEMENT SHALL BE A MINIMUM OF 10" THICK.

McDonough Associates Inc.
Engineers/Architects
130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = D160122-SHT-TYPICAL07.dgn

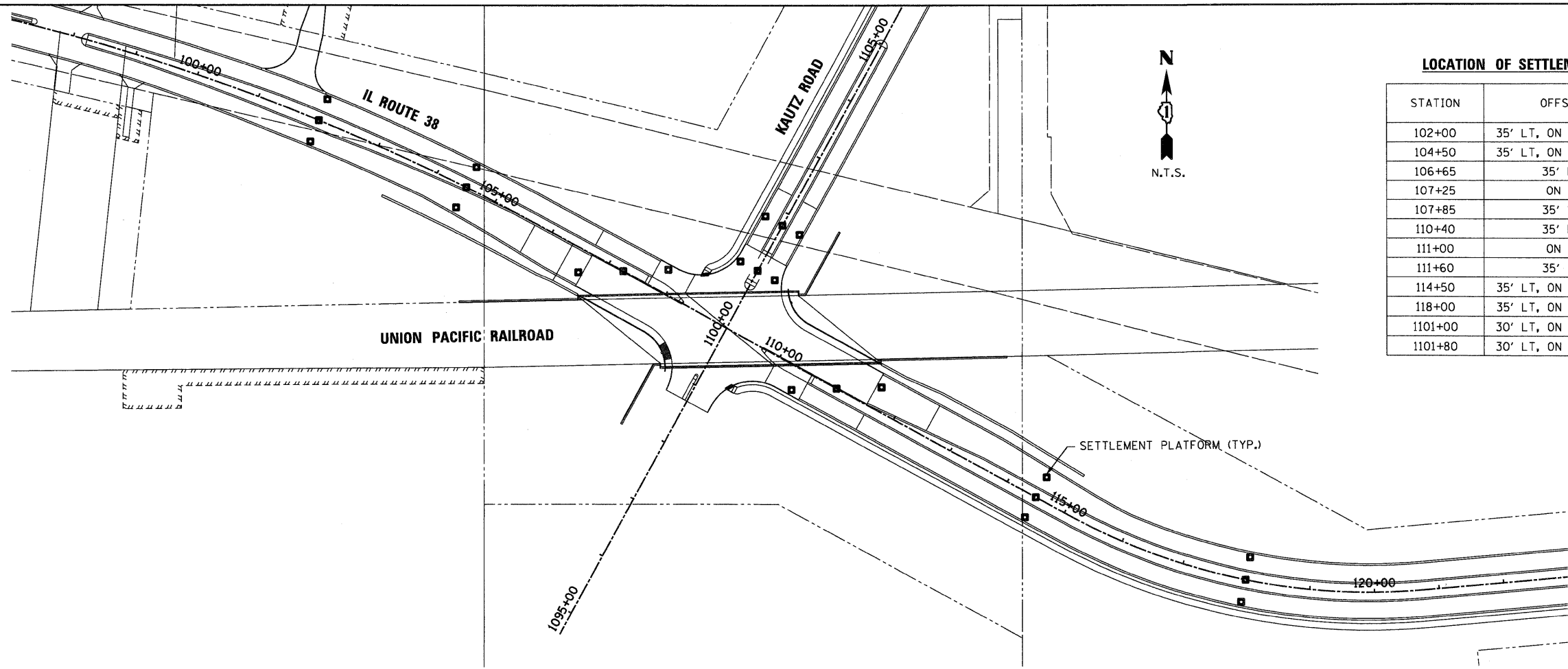
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PLOT SCALE = 1/10	DRAWN - ---	REVISED -
PLOT DATE = 3/6/2012	CHECKED - E.JG	REVISED -
	DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

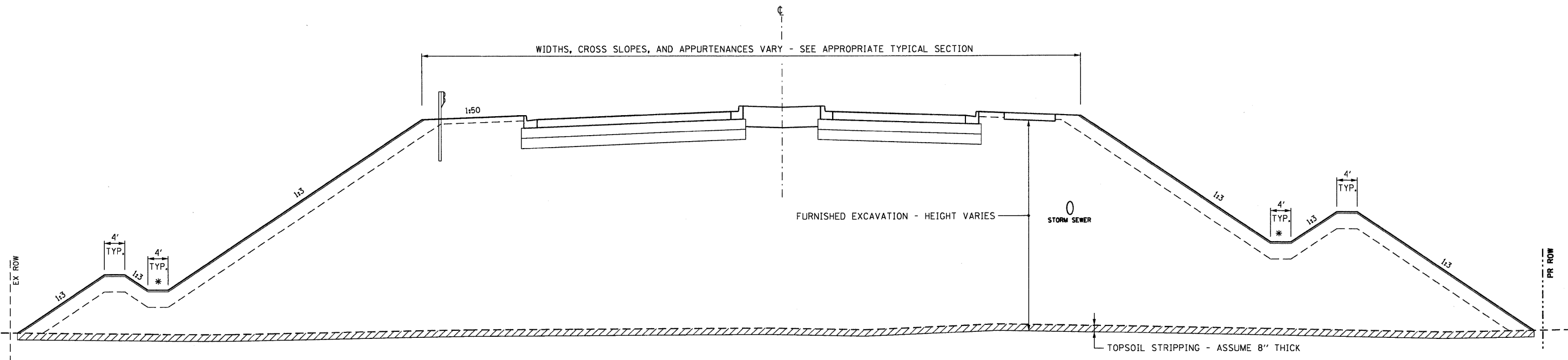
SCALE: NONE SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	19
TYP-7			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LOCATION OF SETTLEMENT PLATFORMS

STATION	OFFSET	NUMBER
102+00	35' LT, ON C, 35' RT	3
104+50	35' LT, ON C, 35' RT	3
106+65	35' RT	1
107+25	ON C	1
107+85	35' LT	1
110+40	35' RT	1
111+00	ON C	1
111+60	35' LT	1
114+50	35' LT, ON C, 35' RT	3
118+00	35' LT, ON C, 35' RT	3
1101+00	30' LT, ON C, 30' RT	3
1101+80	30' LT, ON C, 30' RT	3
		TOTAL = 24



TYPICAL EMBANKMENT SECTION
 IL RT. 38 - STATION 100+00 TO 120+00
 KAUTZ ROAD - STATION 1000+00 TO 1110+00

* INTERMEDIATE DITCH NOT PROVIDED ALONG KAUTZ ROAD

McDonough Associates Inc.
 Engineers / Architects
 150 East Randolph Street, Chicago, Illinois 60601

FILE NAME =
 D:\60122-SHT-TYPICAL08.dgn

USER NAME = Er1cG
 DESIGNED - ---
 DRAWN - ---
 CHECKED - EJC
 PLOT SCALE = 1:10
 PLOT DATE = 10/17/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
 SCALE: NONE SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	20
TYP-8		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

IL ROUTE 38 STAGE 1

BEGIN STATION	END STATION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
80+81.77	85+00.00	0	0	0	0	0	0
85+00.00	90+00.00	0	0	0	0	0	0
90+00.00	95+00.00	0	0	0	0	0	0
95+00.00	100+00.00	0	18	0	181	-181	0
100+00.00	105+00.00	15,747	4,203	13,432	35,113	-21,680	2,442
105+00.00	110+00.00	2,057	4,983	1,754	81,402	-79,648	1,279
110+00.00	115+00.00	938	6,556	800	108,194	-107,394	4,339
115+00.00	120+00.00	2,259	5,054	1,927	50,796	-48,869	1,503
120+00.00	125+00.00	5,151	2,610	4,394	2,751	1,643	122
125+00.00	130+00.00	8,198	2,601	6,993	166	6,827	466
130+00.00	135+00.00	41	94	35	8	27	38
135+00.00	140+00.00	0	0	0	0	0	0
140+00.00	145+00.00	0	0	0	0	0	0
145+00.00	150+00.00	0	0	0	0	0	0
150+00.00	151+67.00	0	0	0	0	0	0

IL ROUTE 38 STAGE 2

BEGIN STATION	END STATION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
80+81.77	85+00.00	920	215	785	165	620	0
85+00.00	90+00.00	1,636	200	1,396	100	1,296	0
90+00.00	95+00.00	1,897	304	1,618	159	1,459	0
95+00.00	100+00.00	2,482	597	2,118	519	1,599	0
100+00.00	105+00.00	0	160	0	6,790	-6,790	221
105+00.00	110+00.00	0	0	0	0	0	0
110+00.00	115+00.00	0	0	0	0	0	0
115+00.00	120+00.00	0	0	0	0	0	0
120+00.00	125+00.00	0	0	0	0	0	0
125+00.00	130+00.00	0	0	0	0	0	0
130+00.00	135+00.00	1,744	1,121	1,488	210	1,278	488
135+00.00	140+00.00	1,853	1,307	1,580	521	1,060	785
140+00.00	145+00.00	1,181	734	1,007	845	162	0
145+00.00	150+00.00	1,832	1,156	1,563	1,090	473	307
150+00.00	151+67.00	89	265	76	429	-353	3

IL ROUTE 38 STAGE 3

BEGIN STATION	END STATION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
80+81.77	85+00.00	1,037	238	884	153	731	0
85+00.00	90+00.00	1,154	300	984	230	754	0
90+00.00	95+00.00	1,500	314	1,280	122	1,158	0
95+00.00	100+00.00	1,609	334	1,373	345	1,028	0
100+00.00	105+00.00	2,179	1,372	1,859	20,315	-18,456	1,002
105+00.00	110+00.00	574	887	489	15,479	-14,990	505
110+00.00	115+00.00	16	39	14	120	-106	0
115+00.00	120+00.00	5	210	4	140	-136	0
120+00.00	125+00.00	159	498	135	355	-220	0
125+00.00	130+00.00	420	547	358	516	-157	32
130+00.00	135+00.00	1,749	732	1,492	357	1,134	388
135+00.00	140+00.00	1,290	802	1,101	335	765	553
140+00.00	145+00.00	1,476	310	1,259	173	1,085	0
145+00.00	150+00.00	1,285	584	1,096	99	997	310
150+00.00	151+67.00	13	25	11	34	-23	3

KAUTZ ROAD STAGE 1

BEGIN STATION	END STATION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
1101+50.00	1105+00.00	278	1,124	237	22,920	-22,683	0
1105+00.00	1110+00.00	89	2,861	76	45,915	-45,839	0
1110+00.00	1115+00.00	5	394	5	498	-493	0
1115+00.00	1117+00.00	0	0	0	0	0	0

KAUTZ ROAD STAGE 3

BEGIN STATION	END STATION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
		CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
1101+50.00	1105+00.00	116	869	99	30,159	-30,060	0
1105+00.00	1110+00.00	161	498	137	8,351	-8,214	0
1110+00.00	1115+00.00	704	580	600	4,334	-3,734	0
1115+00.00	1117+00.00	565	335	482	123	359	0

STAGE SUMMARY

DESCRIPTION	EARTH EXCAVATION	TOPSOIL / UNSUITABLE EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+/-)	PGES
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
IL ROUTE 38 STAGE 1	34,391	26,118	29,336	278,611	-249,275	10,189
IL ROUTE 38 STAGE 2	13,634	6,060	11,630	10,826	804	1,804
IL ROUTE 38 STAGE 3	14,465	7,193	12,339	38,774	-26,435	2,793
KAUTZ RD. STAGE 1	373	4,379	318	69,334	-69,016	0
KAUTZ RD. STAGE 3	1,545	2,283	1,318	42,967	-41,649	0

EARTHWORK SUMMARY

DESCRIPTION	QUANTITY	UNIT
EARTH EXCAVATION	64,409	CU. YD.
FURNISHED EXCAVATION	385,571	CU. YD.
TOPSOIL / UNSUITABLE EXCAVATION	46,034	CU. YD.
TOPSOIL EXCAVATION AND PLACEMENT	34,166	CU. YD.
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	11,868	CU. YD.
POROUS GRANULAR EMBANKMENT, SUBGRADE	14,787	CU. YD.

NOTES:
 1. FOR QUANTITY CALCULATIONS THE AVERAGE EXISTING TOPSOIL THICKNESS IS ASSUMED TO BE 8" AS DETERMINED IN THE ROADWAY GEOTECHNICAL REPORT.

TREE REMOVAL (6 TO 15 UNITS DIAMETER)					
DRWG#	STATION	OFFSET	R/L	DIAMETER	NOTES
EX-1	94+79.1	83.6	R	8	
	94+79.8	85.0	R	10	
	94+90.6	70.1	R	8	
	95+02.7	85.7	R	8	
	95+35.0	74.8	R	8	
	95+42.7	89.2	R	24	4 @ 6"
	95+53.2	73.5	R	6	
	95+55.2	81.8	R	10	
EX-2	100+11.4	76.3	L	12	
	100+27.7	65.8	R	13	
	100+44.5	56.2	R	15	
	100+50.1	325.8	R	12	
	100+58.1	52.1	R	10	
	100+59.4	318.4	R	12	
	100+93.5	343.5	R	6	
	101+25.7	335.3	R	6	
	101+58.1	274.5	R	22	12", 10"
	101+59.6	274.3	R	12	
	101+77.9	288.4	R	15	
	102+17.8	254.7	R	10	
	102+53.8	279.8	R	12	
	103+13.9	135.9	L	10	
	103+43.2	211.8	R	8	
	103+46.7	246.4	R	12	
	103+51.4	207.1	R	8	
	103+51.4	144.0	L	15	
	104+17.5	207.3	R	12	
	104+24.1	208.7	R	12	
	104+29.6	172.6	R	12	
	105+50.5	126.3	R	12	
	105+52.1	134.4	R	8	
	109+25.5	66.5	L	14	
EX-3	124+87.1	90.6	L	7	
	124+87.8	98.0	L	6	
	124+87.8	141.5	L	14	
	124+95.3	126.2	L	13	
	124+95.8	131.5	L	18	10", 8"
	127+43.6	37.7	L	11	
EX-5	1110+82.5	171.1	R	15	
	1114+93.0	23.9	L	6	
	1115+29.4	24.1	L	6	
	1115+65.4	24.0	L	6	
	1116+00.8	23.9	L	10	
	1116+35.2	23.4	L	8	
	1116+55.8	24.1	L	8	
TOTAL =				490	

TREE REMOVAL (OVER 15 UNITS DIAMETER)				
DRWG#	STATION	OFFSET	R/L	DIAMETER
EX-2	100+36.9	346.3	R	36
	100+88.0	300.9	R	30
	100+99.3	296.6	R	18
	101+02.8	261.0	R	18
	101+12.0	232.2	R	24
	101+26.2	285.8	R	24
	103+24.1	247.9	R	24
	103+31.1	201.0	R	40
	103+68.5	211.3	R	52
	103+88.5	153.0	L	20
	104+76.8	19.3	R	40
	104+91.1	43.8	R	40
	104+99.9	64.6	R	42
	105+11.2	110.8	R	30
	105+12.0	86.0	R	20
	105+42.0	151.3	R	28
105+56.0	132.5	R	24	
EX-3	124+60.4	21.7	R	16
	124+84.3	76.7	L	48
	124+89.7	94.8	L	17
	125+04.1	31.5	L	36
	125+11.5	15.7	R	24
	125+53.5	26.4	L	37
	126+72.3	54.4	L	19
	127+19.2	39.8	R	18
	127+31.5	32.4	R	23
	127+33.1	20.6	R	33
EX-5	1110+68.9	113.8	R	24
	1110+78.9	135.9	R	18
	Total =			

FILE NAME =	USER NAME = EricG
D:\60122-SHT-SC03.dgn	

DESIGNED - MJT	REVISD -
DRAWN - MJT	REVISD -
CHECKED - EJC	REVISD -
DATE - 10/14/11	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.
NONE			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	23
SC-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROP. CURVE PRIL38-1
 PI STA. = 76+92.38
 $\Delta = 3^\circ 20' 30''$ (RT)
 D = 0° 21' 11"
 R = 16,228.89'
 T = 473.39'
 L = 946.52'
 E = 6.90'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 72+18.98
 P.T. STA. = 81+65.50

PROP. CURVE PRIL38-2
 PI STA. = 90+20.69
 $\Delta = 7^\circ 13' 16''$ (LT)
 D = 0° 44' 03"
 R = 7,805.49'
 T = 492.52'
 L = 983.73'
 E = 15.52'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 85+28.17
 P.T. STA. = 95+11.90

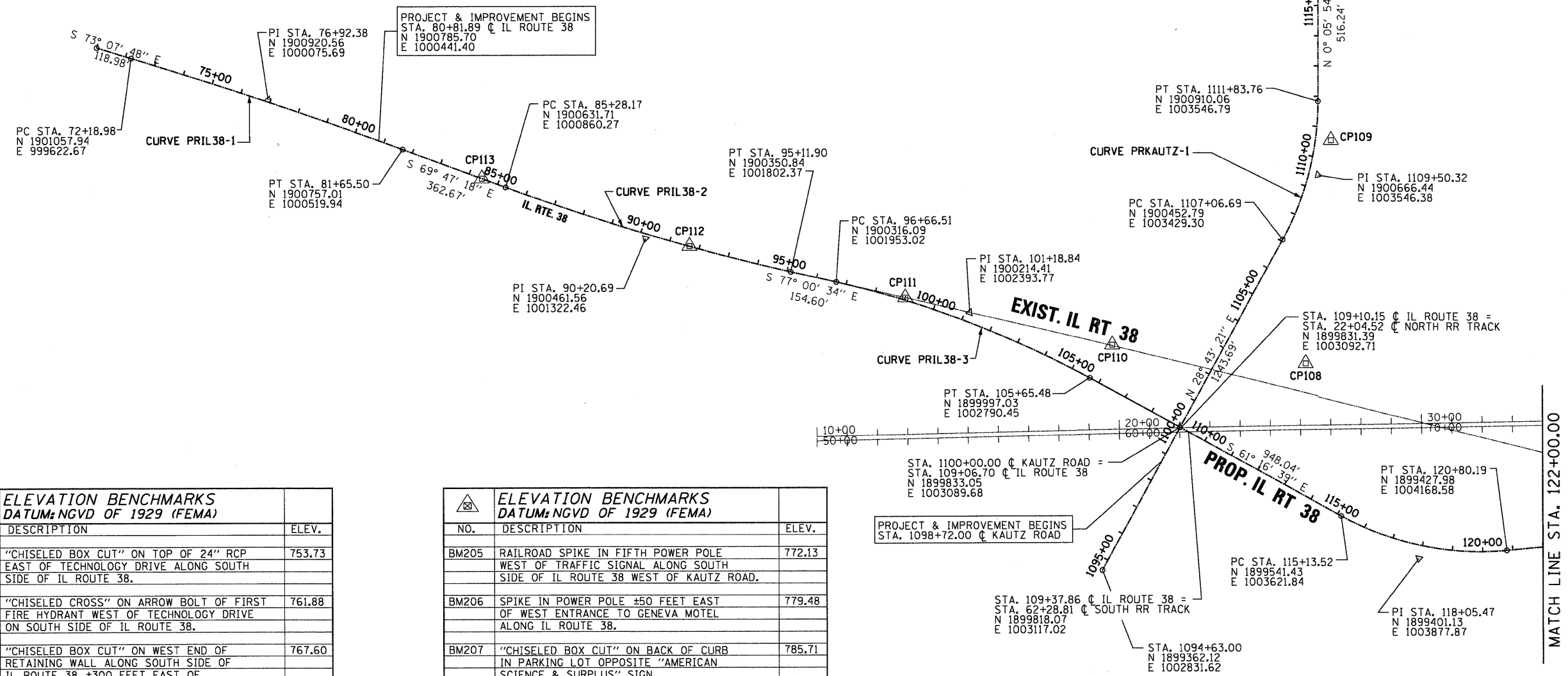
PROP. CURVE PRIL38-3
 PI STA. = 101+18.84
 $\Delta = 15^\circ 43' 55''$ (RT)
 D = 1° 45' 00"
 R = 3,274.04'
 T = 452.33'
 L = 898.97'
 E = 31.10'
 e = 2.6%
 T.R. = 77.00'
 S.E. RUN = 100.00'
 P.C. STA. = 96+66.51
 P.T. STA. = 105+65.48

PROP. CURVE PRIL38-4
 PI STA. = 118+05.47
 $\Delta = 34^\circ 00' 01''$ (LT)
 D = 6° 00' 00"
 R = 954.93'
 T = 291.95'
 L = 566.67'
 E = 43.63'
 e = 4.0%
 T.R. = 77.00'
 S.E. RUN = 154.00'
 P.C. STA. = 115+13.52
 P.T. STA. = 120+80.19

PROP. CURVE PRKAUTZ-1
 PI STA. = 1109+50.32
 $\Delta = 28^\circ 37' 27''$ (LT)
 D = 6° 00' 00"
 R = 954.93'
 T = 243.62'
 L = 477.07'
 E = 30.59'
 e = 4.0%
 T.R. = 86.00'
 S.E. RUN = 172.00'
 P.C. STA. = 1107+06.69
 P.T. STA. = 1111+83.76

ELEVATION BENCHMARKS DATUM: NGVD OF 1929 (FEMA)		
NO.	DESCRIPTION	ELEV.
BM200	"CHISELED BOX CUT" ON TOP OF 24" RCP EAST OF TECHNOLOGY DRIVE ALONG SOUTH SIDE OF IL ROUTE 38.	753.73
BM201	"CHISELED CROSS" ON ARROW BOLT OF FIRST FIRE HYDRANT WEST OF TECHNOLOGY DRIVE ON SOUTH SIDE OF IL ROUTE 38.	761.88
BM202	"CHISELED BOX CUT" ON WEST END OF RETAINING WALL ALONG SOUTH SIDE OF IL ROUTE 38 ±300 FEET EAST OF RAILROAD TRACKS.	767.60
BM203	"CHISELED CROSS" ON NORTHWEST CORNER OF HANDHOLE ON NORTH SIDE OF IL ROUTE 38 ±100 FEET WEST OF RAILROAD TRACKS.	769.56
BM204	"CHISELED BOX CUT" ON BACK OF CURB ALONG WEST SIDE OF KAUTZ ROAD OPPOSITE SECOND LIGHTPOST.	767.58

ELEVATION BENCHMARKS DATUM: NGVD OF 1929 (FEMA)		
NO.	DESCRIPTION	ELEV.
BM205	RAILROAD SPIKE IN FIFTH POWER POLE WEST OF TRAFFIC SIGNAL ALONG SOUTH SIDE OF IL ROUTE 38 WEST OF KAUTZ ROAD.	772.13
BM206	SPIKE IN POWER POLE #50 FEET EAST OF WEST ENTRANCE TO GENEVA MOTEL ALONG IL ROUTE 38.	779.48
BM207	"CHISELED BOX CUT" ON BACK OF CURB IN PARKING LOT OPPOSITE "AMERICAN SCIENCE & SURPLUS" SIGN.	785.71
BM208	SPIKE IN POWER POLE ON EAST SIDE OF ENTRANCE TO CORDOGAN'S PIANOLAND ALONG IL ROUTE 38.	786.29



PROJECT & IMPROVEMENT BEGINS
 STA. 80+81.89 @ IL ROUTE 38
 N 1900785.70
 E 1000441.40

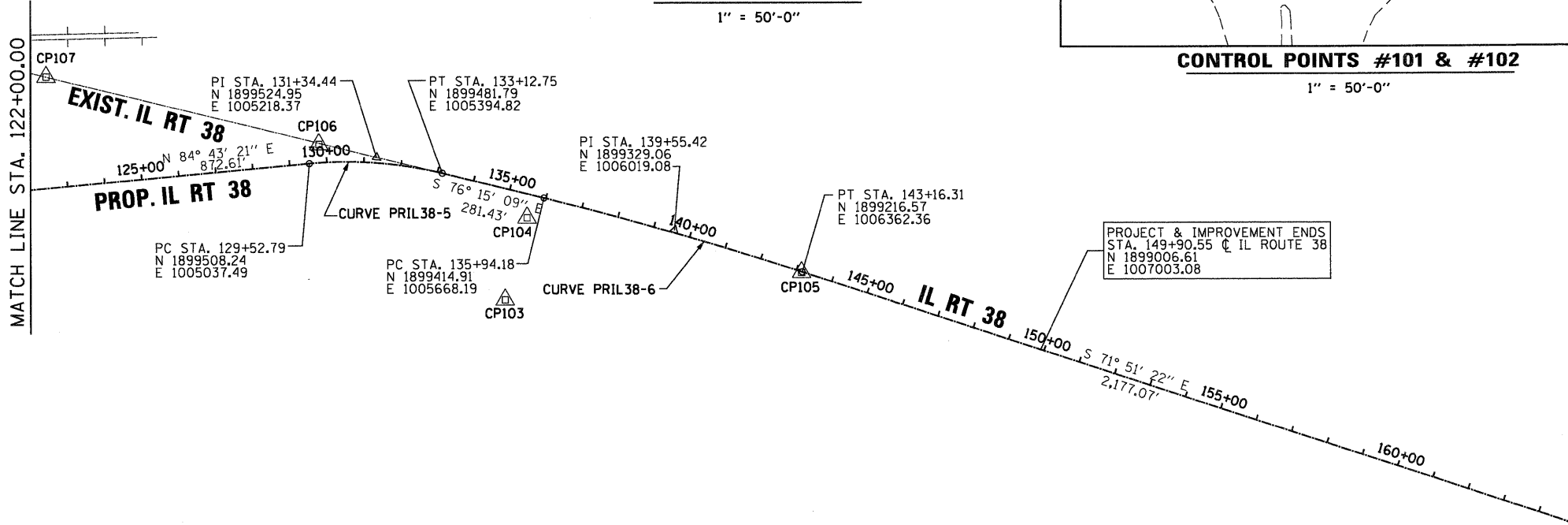
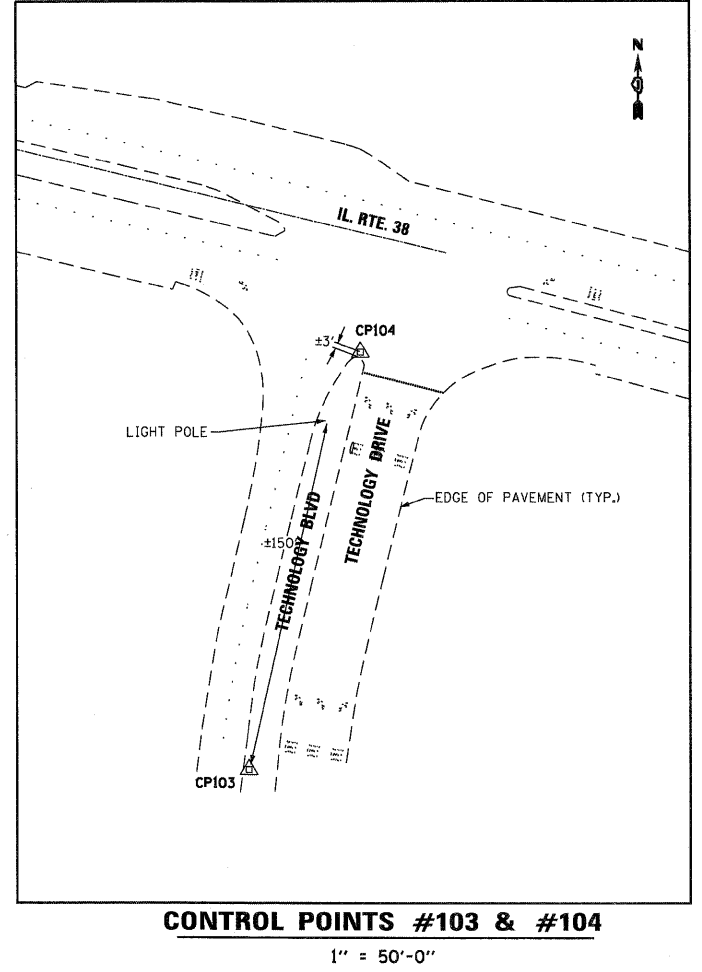
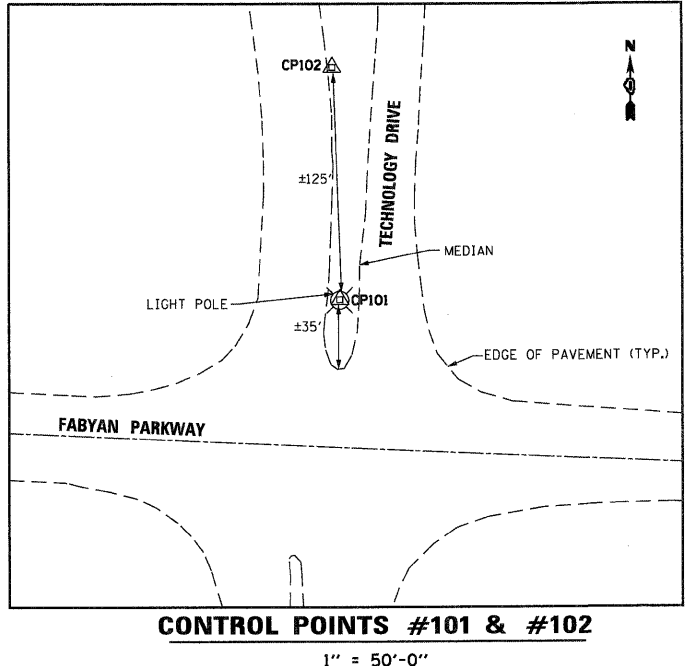
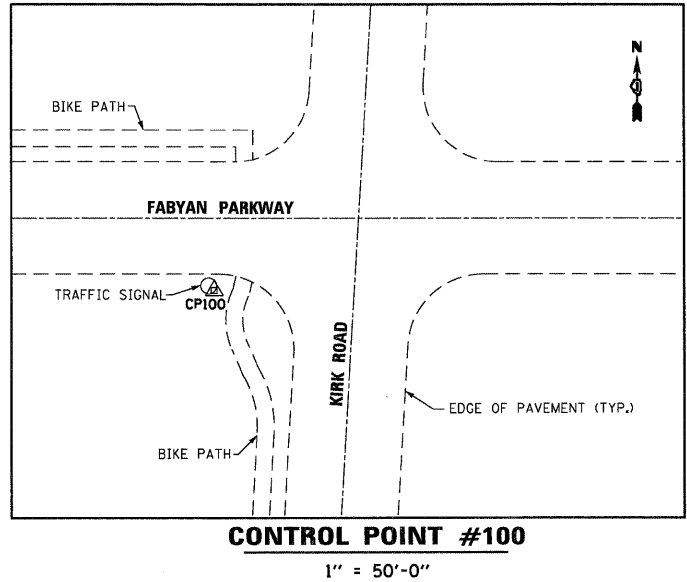
PROJECT & IMPROVEMENT ENDS
 STA. 1117+00.00 @ KAUTZ ROAD
 N 1901426.30
 E 1003547.68

PROJECT & IMPROVEMENT BEGINS
 STA. 1098+72.00 @ KAUTZ ROAD

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

PROP. CURVE PRIL38-5
 PI STA. = 131+34.44
 $\Delta = 19^\circ 01' 30''$ (RT)
 D = 5° 17' 07"
 R = 1,084.05'
 T = 181.65'
 L = 359.96'
 E = 15.11'
 e = 3.9%
 T.R. = 77.00'
 S.E. RUN = 154.00'
 P.C. STA. = 129+52.79
 P.T. STA. = 133+12.75

PROP. CURVE PRIL38-6
 PI STA. = 139+55.42
 $\Delta = 4^\circ 23' 47''$ (RT)
 D = 0° 36' 32"
 R = 9,410.88'
 T = 361.24'
 L = 722.12'
 E = 6.93'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA. = 135+94.18
 P.T. STA. = 143+16.31

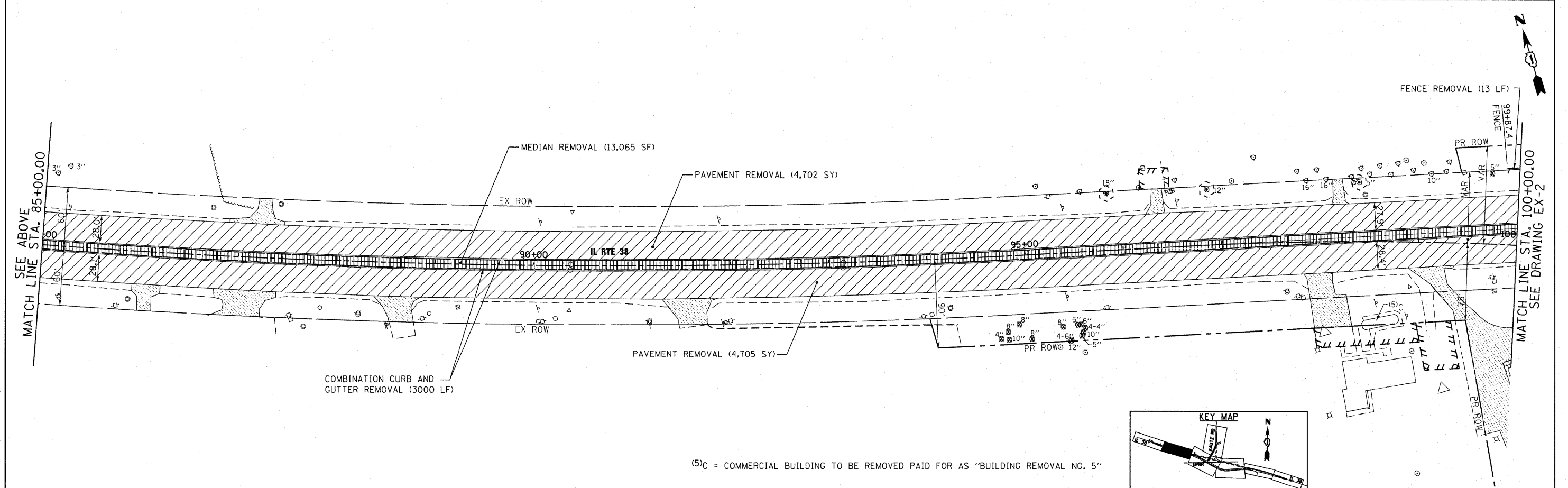
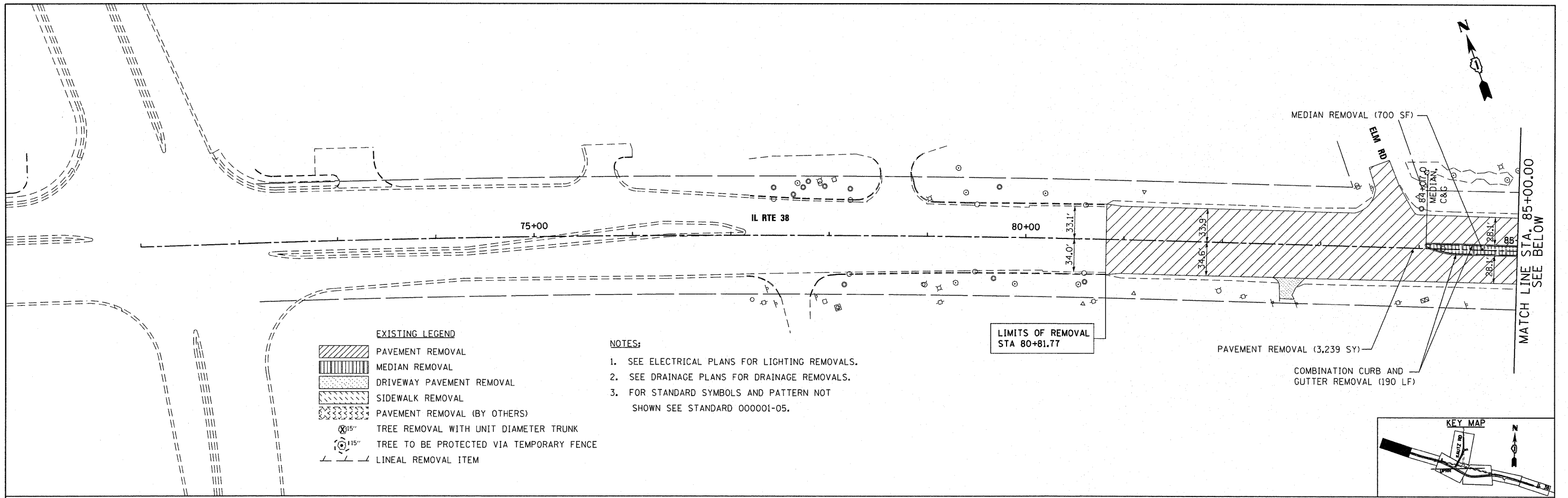


PROJECT & IMPROVEMENT ENDS
 STA. 149+90.55 @ IL ROUTE 38
 N 1899006.61
 E 1007003.08

△ HORIZONTAL CONTROL					
NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP100	1894786.27	998899.86	FND MON DK3231 AT TRAFFIC SIGNAL	86+28.66	6163.95 R
CP101	1895658.46	1005302.56	FND MON DK3230 AT LIGHT POLE BASE	144+17.21	3711.22 R
CP102	1895782.62	1005298.69	FND BURSEN MON IN MEDIAN	143+74.87	3594.44 R
CP103	1899141.92	1005563.59	FND BURSEN MON IN MEDIAN	135+57.45	290.02 R
CP104	1899361.99	1005622.73	SET MAG NORTH OF MEDIAN NOSE	135+62.60	62.20 R
CP105	1899215.17	1006360.54	FND MAG IN MEDIAN OF IL. RTE. 38	143+15.02	1.90 R
CP106	1899559.75	1005062.99	SET MAG IN MEDIAN OF IL. RTE. 38	129+81.62	49.34 L
CP107	1899742.73	1004329.82	SET MAG IN MEDIAN OF IL. RTE. 38	122+69.69	298.58 L
CP108	1900044.27	1003505.11	SET MAG IN EAST EDGE OF BIKE PATH	1103+84.87	262.81 R
CP109	1900781.21	1003589.33	FND "CARVED CROSS" IN MEDIAN	1110+61.18	51.03 R
CP110	1900106.20	1002865.32	SET MAG IN MEDIAN OF IL. RTE. 38	105+78.67	131.72 L
CP111	1900263.71	1002180.68	SET MAG IN MEDIAN OF IL. RTE. 38	98+99.71	8.46 L
CP112	1900436.35	1001467.91	SET MAG IN MEDIAN OF IL. RTE. 38	91+66.65	0.50 L
CP113	1900660.50	1000781.91	SET MAG IN MEDIAN OF IL. RTE. 38	84+44.69	0.06 R

McDonough Associates Inc.
 Engineers / Architects
 730 East Randolph Street Chicago, Illinois 60601

FILE NAME = D:\62122-SHT-AT802.dgn	USER NAME = YKim	DESIGNED - MJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES, AND BENCHMARKS		F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 25	
PLOT SCALE = 1:200	CHECKED - EJC	DRAWN - MJT	REVISED -		SCALE: 1"=100'	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	AT-2 CONTRACT NO. 60122			
PLOT DATE = 10/14/2011	DATE - 10/14/11	CHECKED - EJC	REVISED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							
		DATE - 10/14/11	REVISED -									



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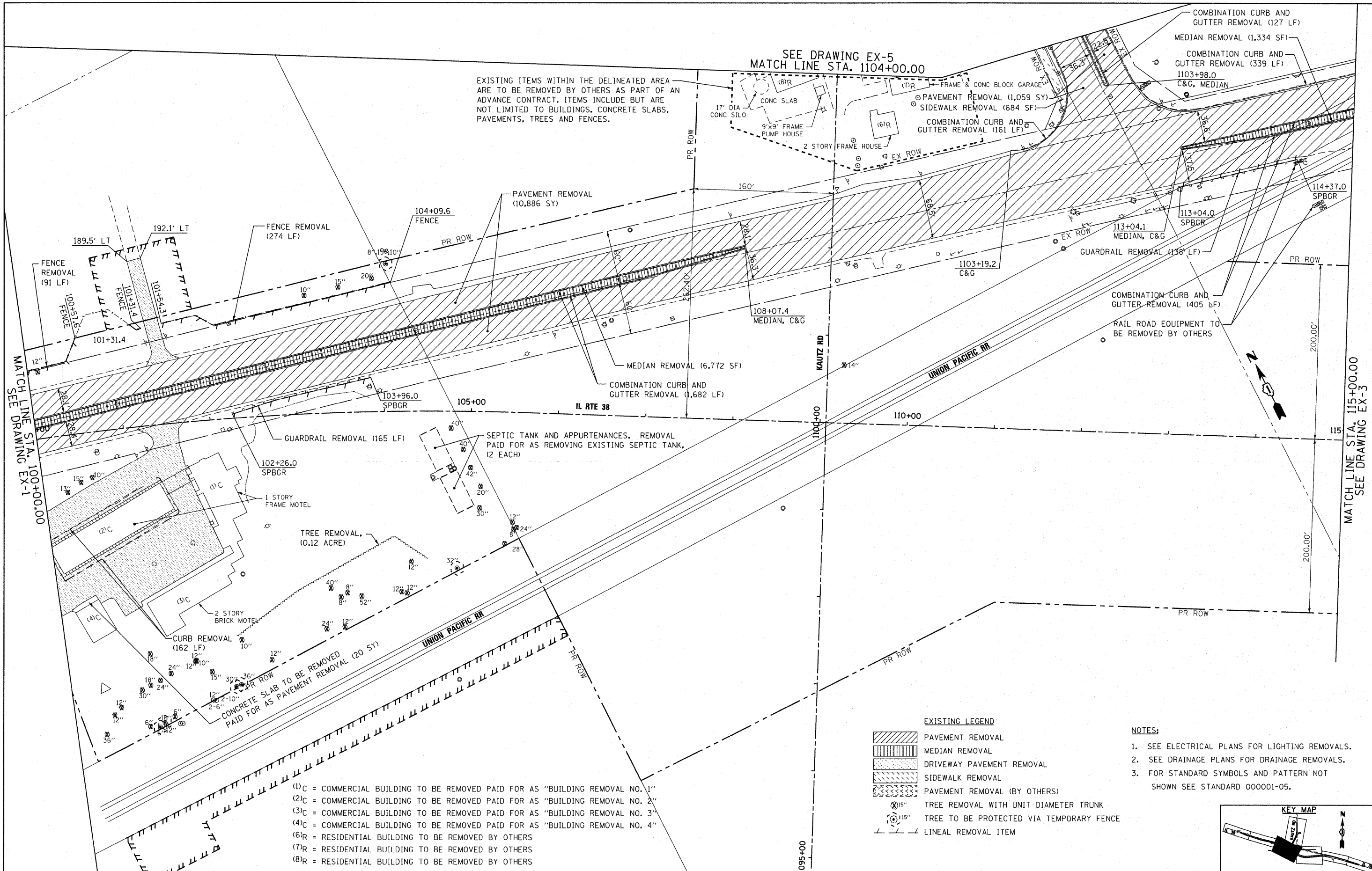
FILE NAME =	USER NAME = EricG	DESIGNED - JTF	REVISED -
D160122-SHT-REM01.dgn		DRAWN - JTF	REVISED -
		CHECKED - EJC	REVISED -
		DATE - 01/06/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 38 EXISTING AND REMOVAL PLAN

SCALE: 1"=50' SHEET NO. 1 OF 4 SHEETS STA. BEGIN TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	26
EX-1			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING ITEMS WITHIN THE DELINEATED AREA ARE TO BE REMOVED BY OTHERS AS PART OF AN ADVANCE CONTRACT. ITEMS INCLUDE BUT ARE NOT LIMITED TO BUILDINGS, CONCRETE SLABS, PAVEMENTS, TREES AND FENCES.

SEE DRAWING EX-5
 MATCH LINE STA. 1104+00.00

MATCH LINE STA. 100+00.00
 SEE DRAWING EX-1

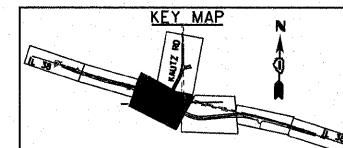
MATCH LINE STA. 115+00.00
 SEE DRAWING EX-3

- (1)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 1"
- (2)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 2"
- (3)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 3"
- (4)C = COMMERCIAL BUILDING TO BE REMOVED PAID FOR AS "BUILDING REMOVAL NO. 4"
- (6)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS
- (7)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS
- (8)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS

EXISTING LEGEND

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL (BY OTHERS)
- TREE REMOVAL WITH UNIT DIAMETER TRUNK
- TREE TO BE PROTECTED VIA TEMPORARY FENCE
- LINEAL REMOVAL ITEM

- NOTES:**
1. SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
 2. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
 3. FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.

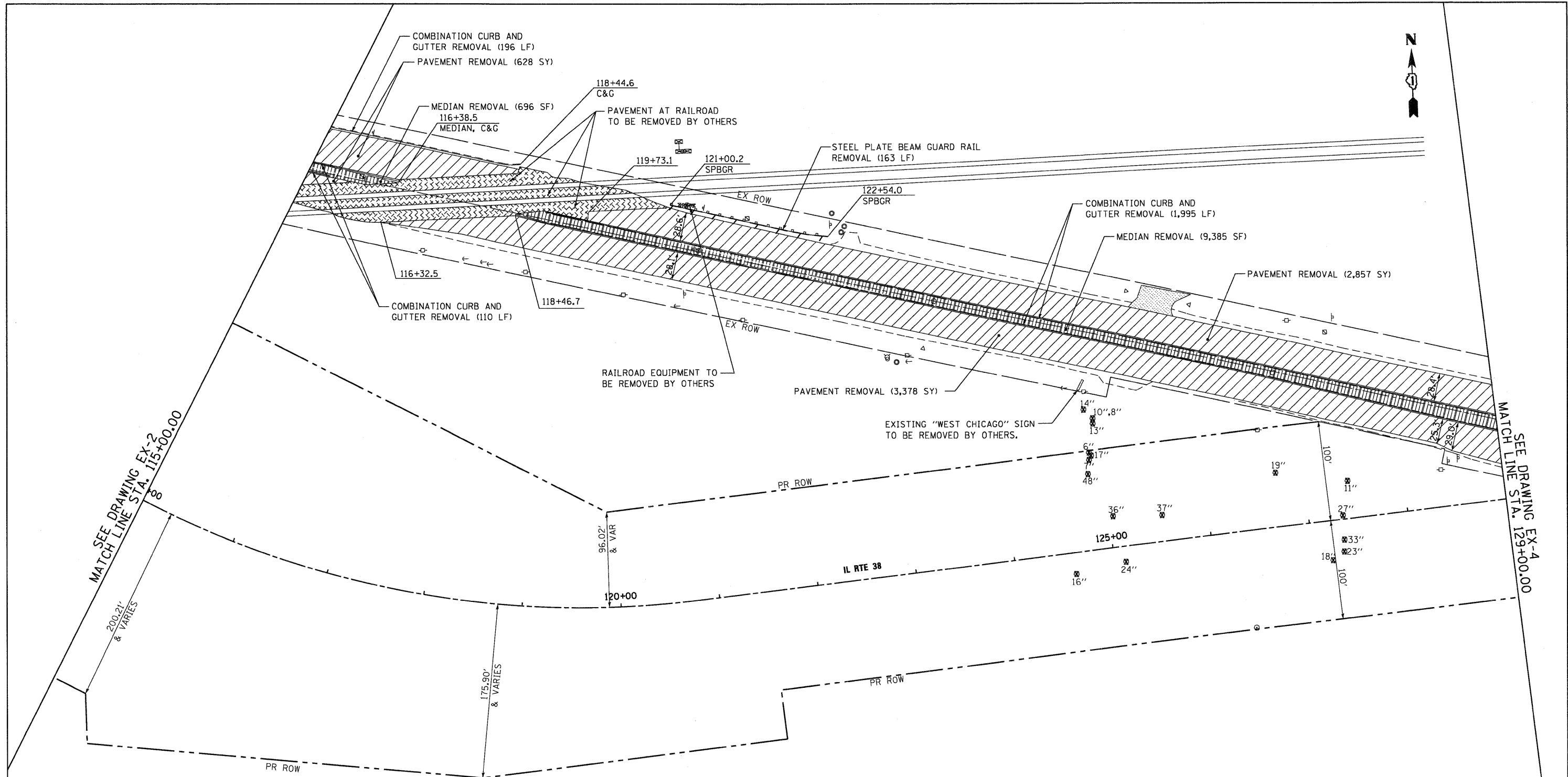


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		DRAWN - JTF	REVISED -
PLOT SCALE = 1/500		CHECKED - E.JG	REVISED -
PLOT DATE = 1/27/2012		DATE - 01/27/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 38 EXISTING AND REMOVAL PLAN
 SCALE: 1"=50' SHEET NO. 2 OF 4 SHEETS STA. 100+00 TO STA. 115+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 27
EX-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



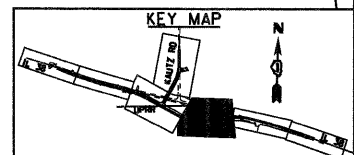
SEE DRAWING EX-2
 MATCH LINE STA. 115+00.00

SEE DRAWING EX-4
 MATCH LINE STA. 129+00.00

EXISTING LEGEND

	PAVEMENT REMOVAL
	MEDIAN REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL (BY OTHERS)
	TREE REMOVAL WITH UNIT DIAMETER TRUNK
	TREE TO BE PROTECTED VIA TEMPORARY FENCE
	LINEAL REMOVAL ITEM

- NOTES:**
- SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
 - SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
 - FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.



FILE NAME =	USER NAME = EricG
D160122-SHT-REM03.dgn	

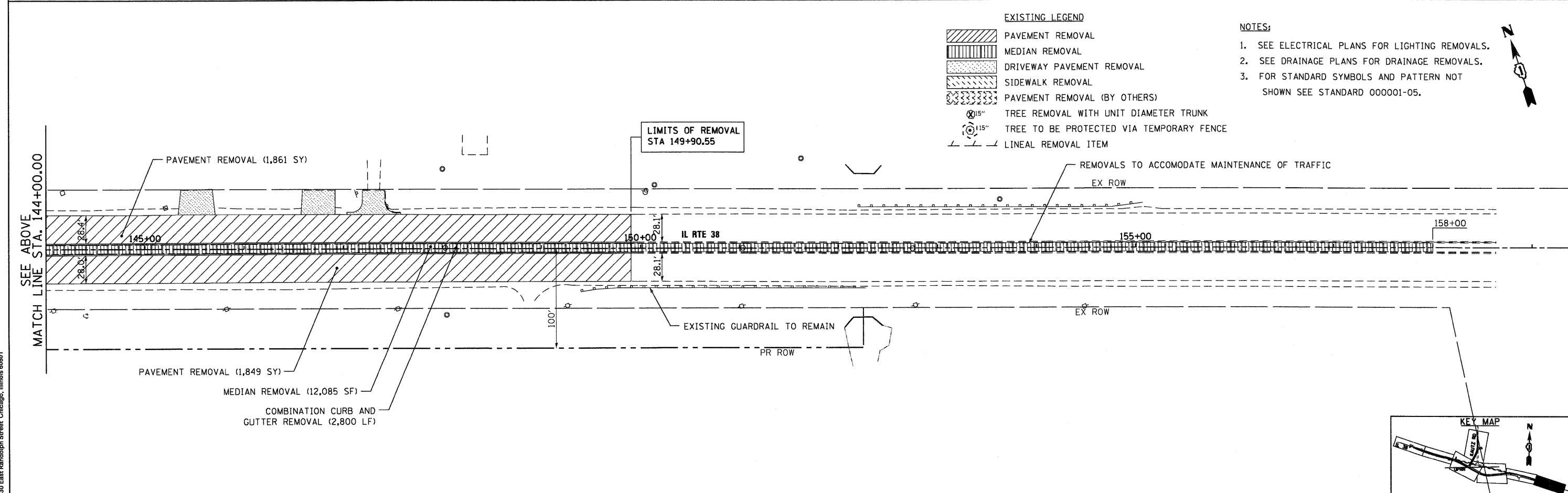
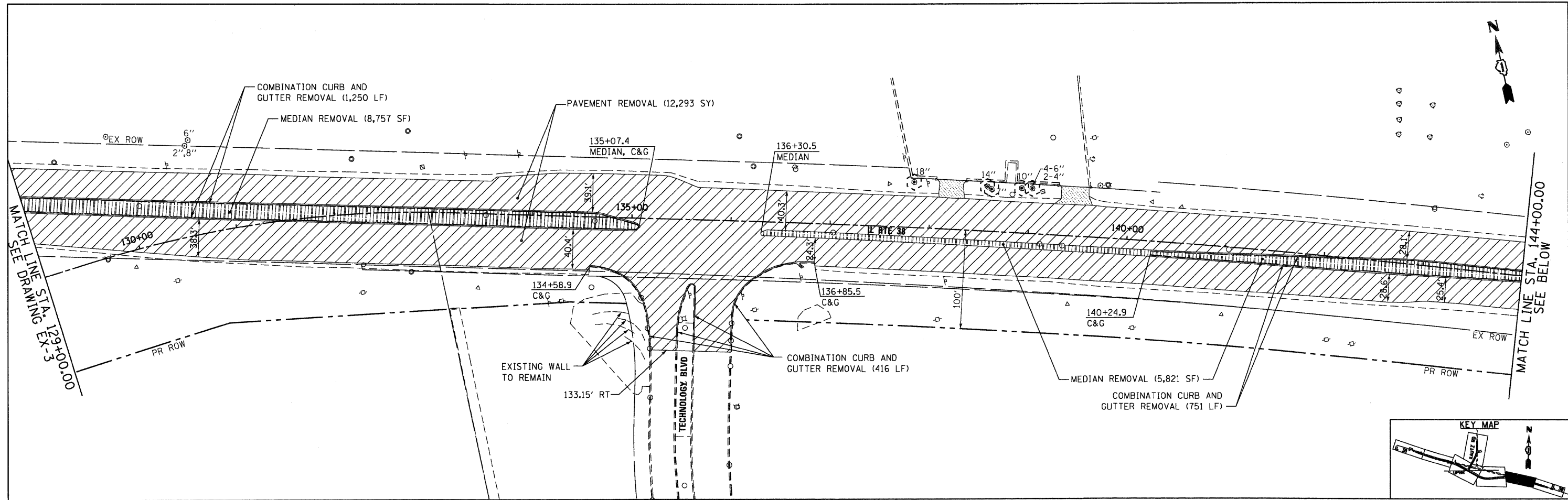
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DRAWN - JTF	REVISIONS
CHECKED - EJC	REVISIONS
DATE - 10/14/11	REVISIONS

DESIGNED - JTF	REVISIONS
DRAWN - JTF	REVISIONS
CHECKED - EJC	REVISIONS
DATE - 10/14/11	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 38 EXISTING AND REMOVAL PLAN		
SCALE: 1"=50'	SHEET NO. 3 OF 4 SHEETS	STA. 115+00 TO STA. 129+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 28
EX-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- EXISTING LEGEND**
- PAVEMENT REMOVAL
 - MEDIAN REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - PAVEMENT REMOVAL (BY OTHERS)
 - TREE REMOVAL WITH UNIT DIAMETER TRUNK
 - TREE TO BE PROTECTED VIA TEMPORARY FENCE
 - LINEAL REMOVAL ITEM

- NOTES:**
1. SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
 2. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
 3. FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.

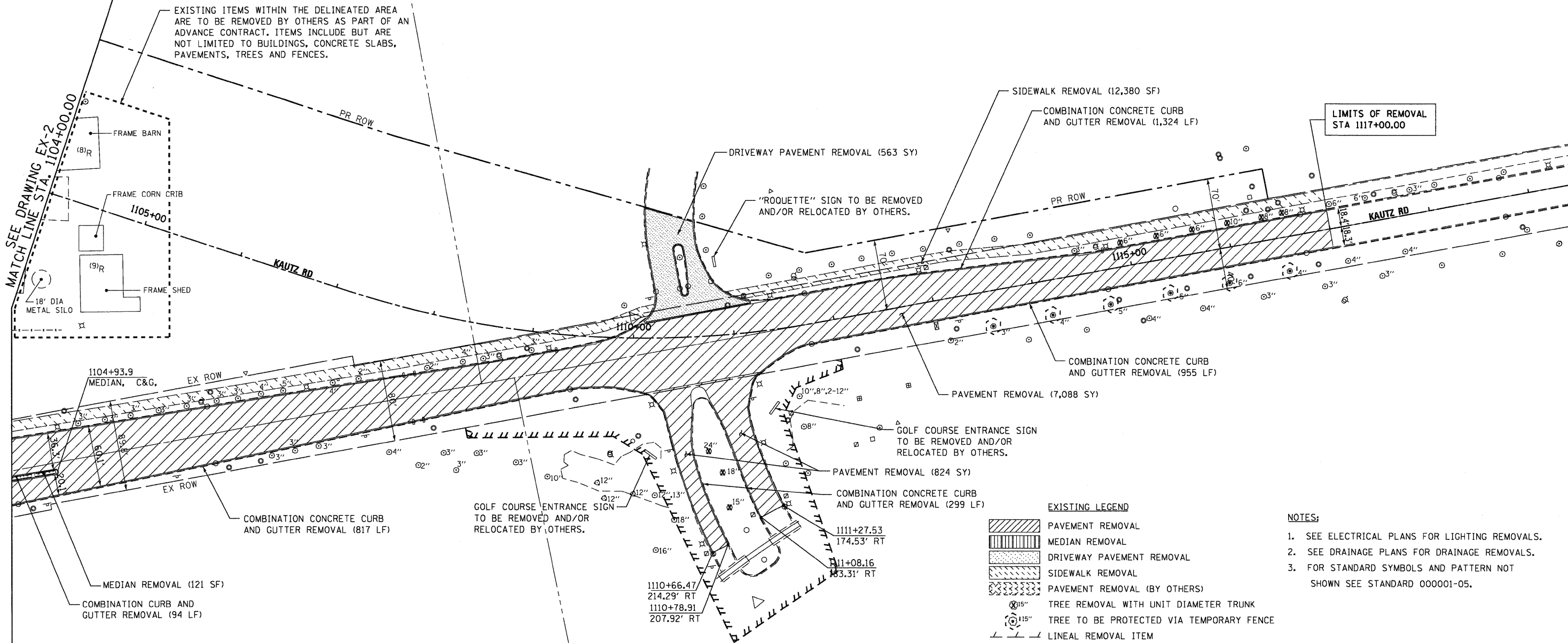
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 130 East Randolph Street, Chicago, Illinois 60601

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PLOT SCALE = 1/50	CHECKED - E.JG	DRAWN - JTF	REVISED -
PLOT DATE = 10/17/2011	DATE - 10/14/11	CHECKED - E.JG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 EXISTING AND REMOVAL PLAN
 SCALE: 1"=50' SHEET NO. 4 OF 4 SHEETS STA. 129+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 29
EX-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING ITEMS WITHIN THE DELINEATED AREA ARE TO BE REMOVED BY OTHERS AS PART OF AN ADVANCE CONTRACT. ITEMS INCLUDE BUT ARE NOT LIMITED TO BUILDINGS, CONCRETE SLABS, PAVEMENTS, TREES AND FENCES.

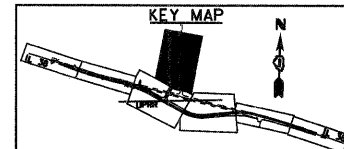
SEE DRAWING EX-2
MATCH LINE STA. 1104+00.00

LIMITS OF REMOVAL
STA 1117+00.00

- EXISTING LEGEND**
- PAVEMENT REMOVAL
 - MEDIAN REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - PAVEMENT REMOVAL (BY OTHERS)
 - TREE REMOVAL WITH UNIT DIAMETER TRUNK
 - TREE TO BE PROTECTED VIA TEMPORARY FENCE
 - LINEAL REMOVAL ITEM

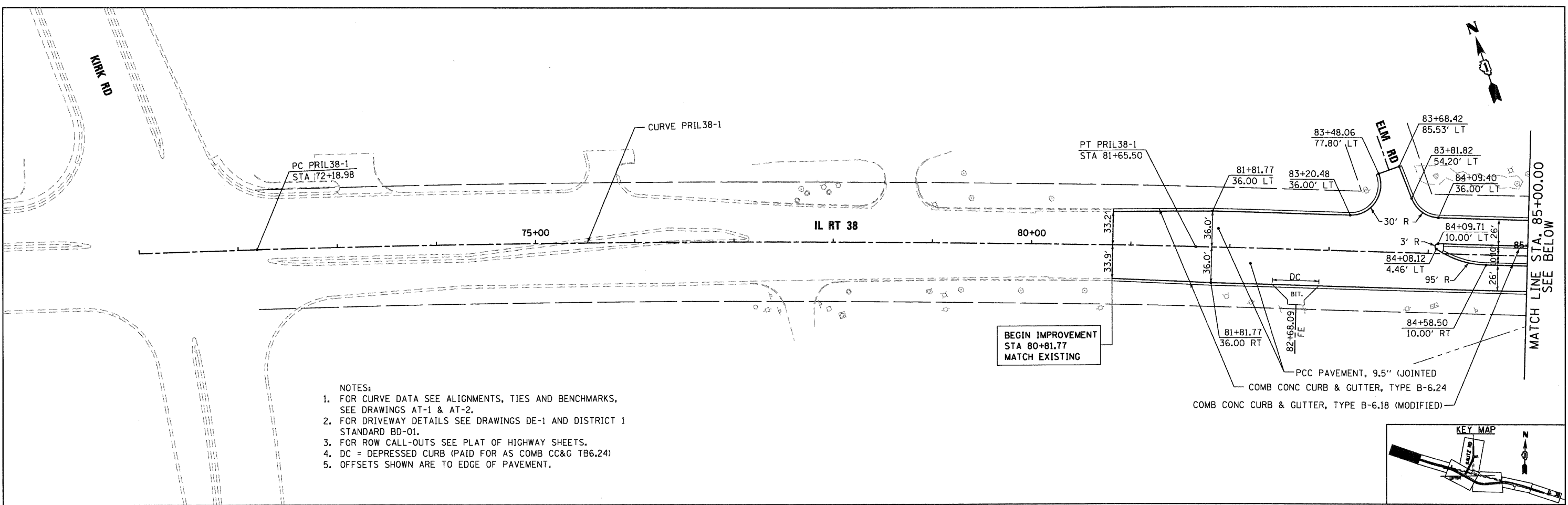
- NOTES:**
1. SEE ELECTRICAL PLANS FOR LIGHTING REMOVALS.
 2. SEE DRAINAGE PLANS FOR DRAINAGE REMOVALS.
 3. FOR STANDARD SYMBOLS AND PATTERN NOT SHOWN SEE STANDARD 000001-05.

(8)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS
(9)R = RESIDENTIAL BUILDING TO BE REMOVED BY OTHERS

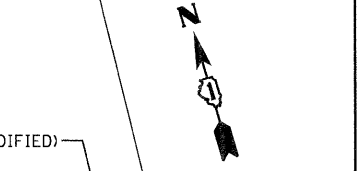
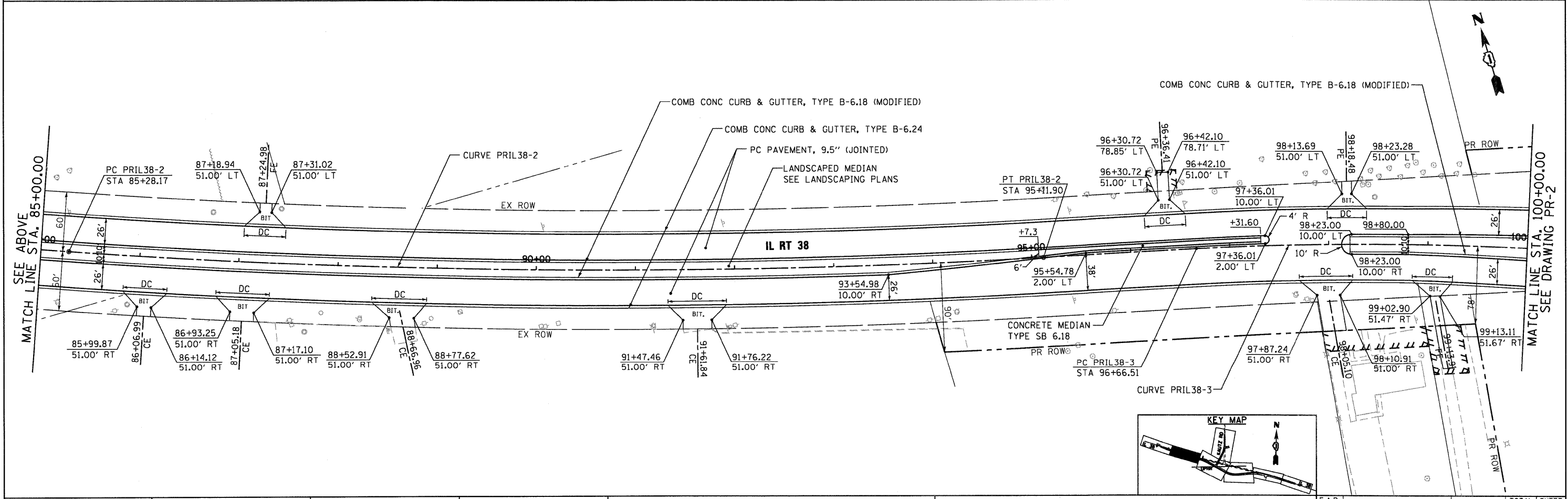
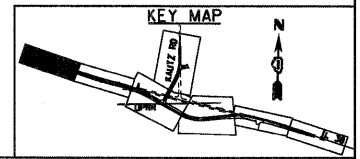


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 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = D168122-SHT-REM05.dgn	USER NAME = E-rroG	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	KAUTZ ROAD EXISTING AND REMOVAL PLAN			F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 30
PLOT SCALE = 1:50	CHECKED - EJC	DRAWN - JTF	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS	STA. 1104+00 TO STA. END	EX-5				
PLOT DATE = 12/9/2011	DATE - 12/09/11	DATE - 12/09/11	REVISED -		CONTRACT NO. 60122							
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												



- NOTES:
1. FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
 2. FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
 3. FOR ROW CALL-OUTS SEE PLAT OF HIGHWAY SHEETS.
 4. DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24)
 5. OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.



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FILE NAME = D:\168122-SHT-PLAN\01.dgn
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DESIGNED - JTF
DRAWN - JTF
CHECKED - EUG
PLOT SCALE = 1:50
PLOT DATE = 10/14/2011

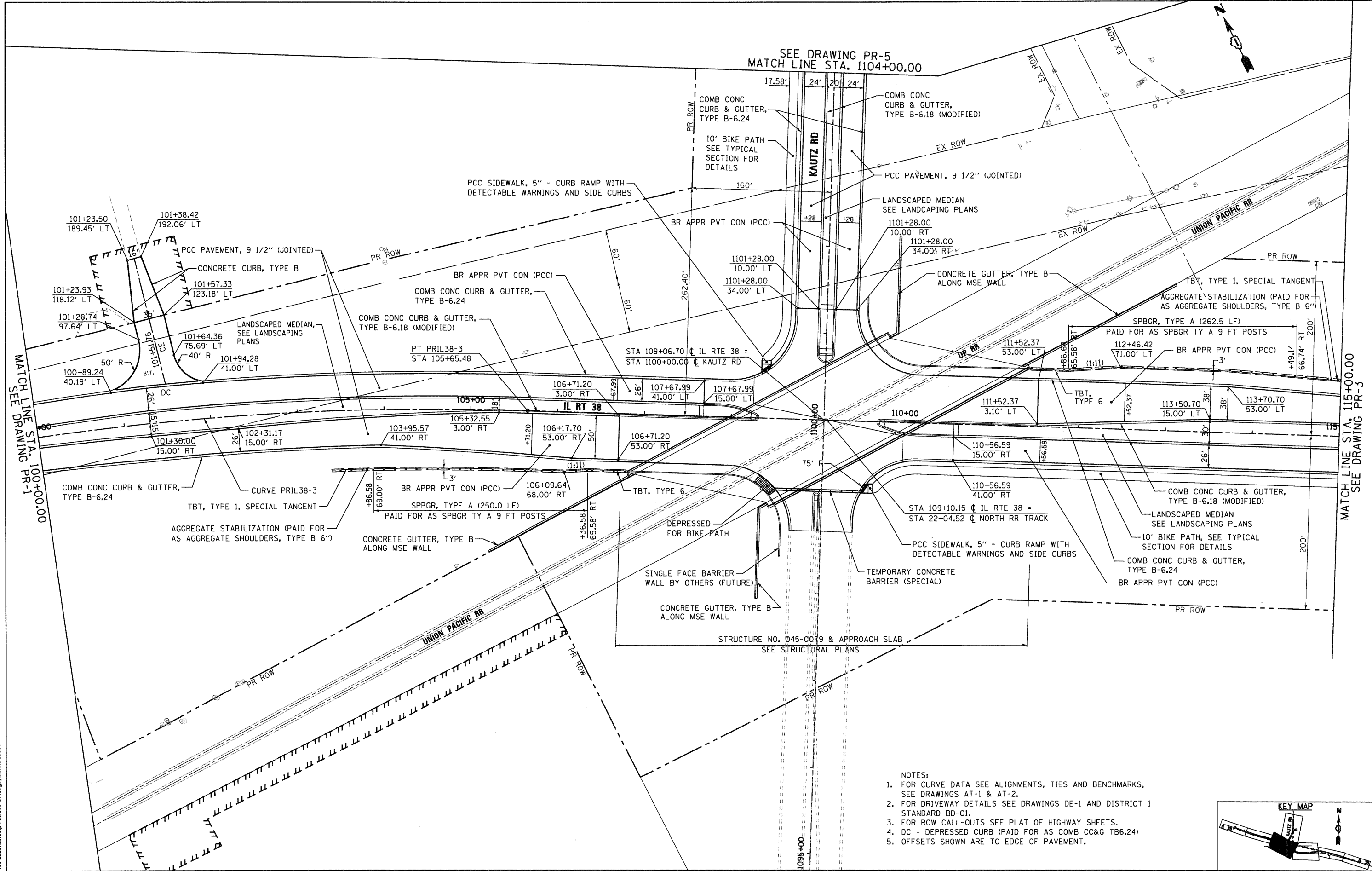
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DRAWN - JTF
CHECKED - EUG
DATE - 10/14/11

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 38 PROPOSED PLAN
SCALE: 1"=50'
SHEET NO. 1 OF 4 SHEETS
STA. BEGIN TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	31
PR-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

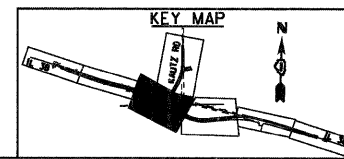


MATCH LINE STA. 100+00.00
SEE DRAWING PR-1

MATCH LINE STA. 115+00.00
SEE DRAWING PR-3

SEE DRAWING PR-5
MATCH LINE STA. 1104+00.00

- NOTES:
- FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
 - FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
 - FOR ROW CALL-OUTS SEE PLAN OF HIGHWAY SHEETS.
 - DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24)
 - OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.



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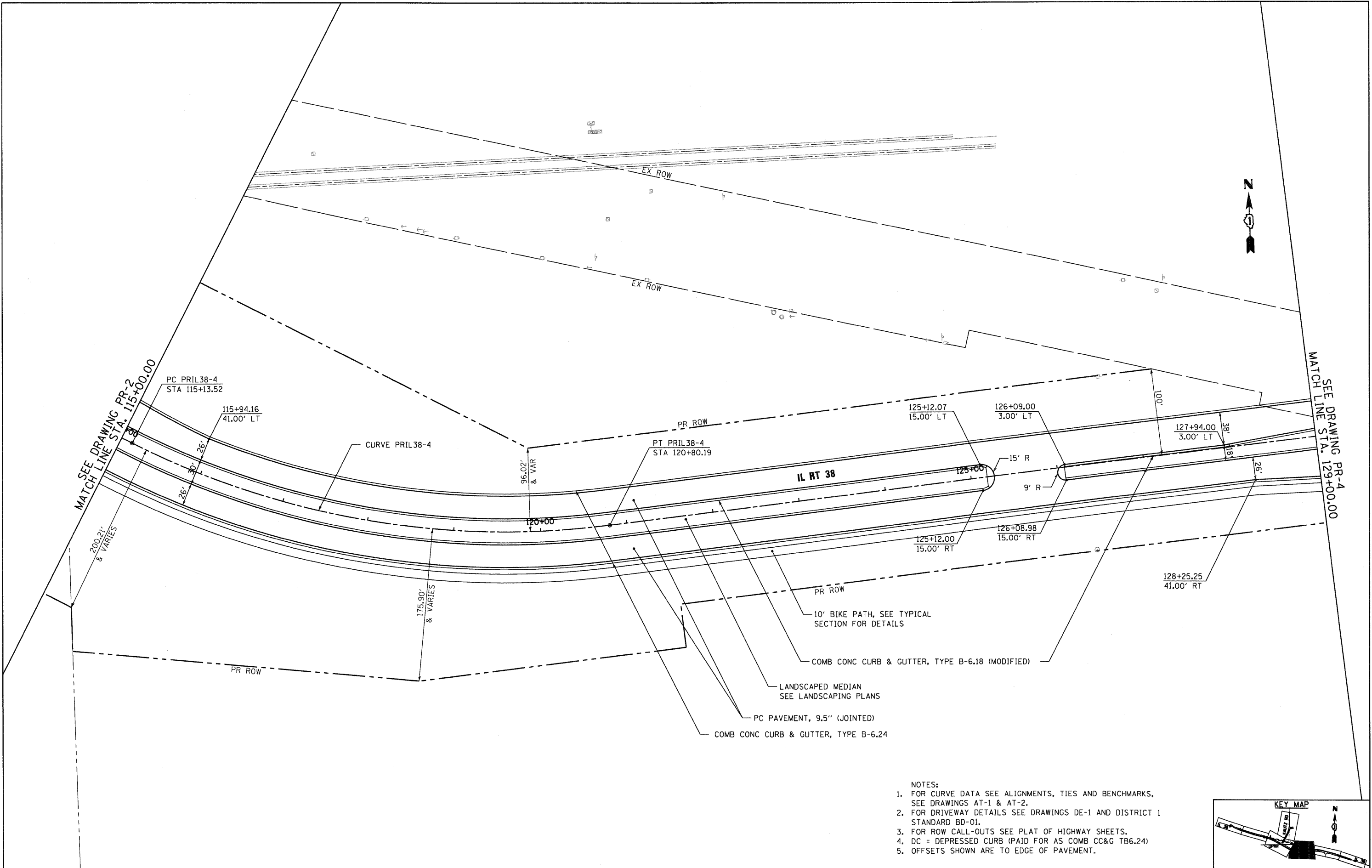
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D160122-SHT-PLAN02.dgn	

DESIGNED - JTF	REVISED -
DRAWN - JTF	REVISED -
CHECKED - EJG	REVISED -
DATE - 12/09/11	REVISED -

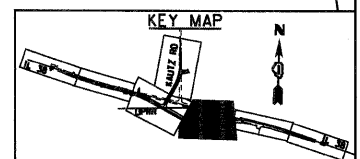
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 38 PROPOSED PLAN	
SCALE: 1"=50'	SHEET NO. 2 OF 4 SHEETS
STA. 100+00	TO STA. 115+00

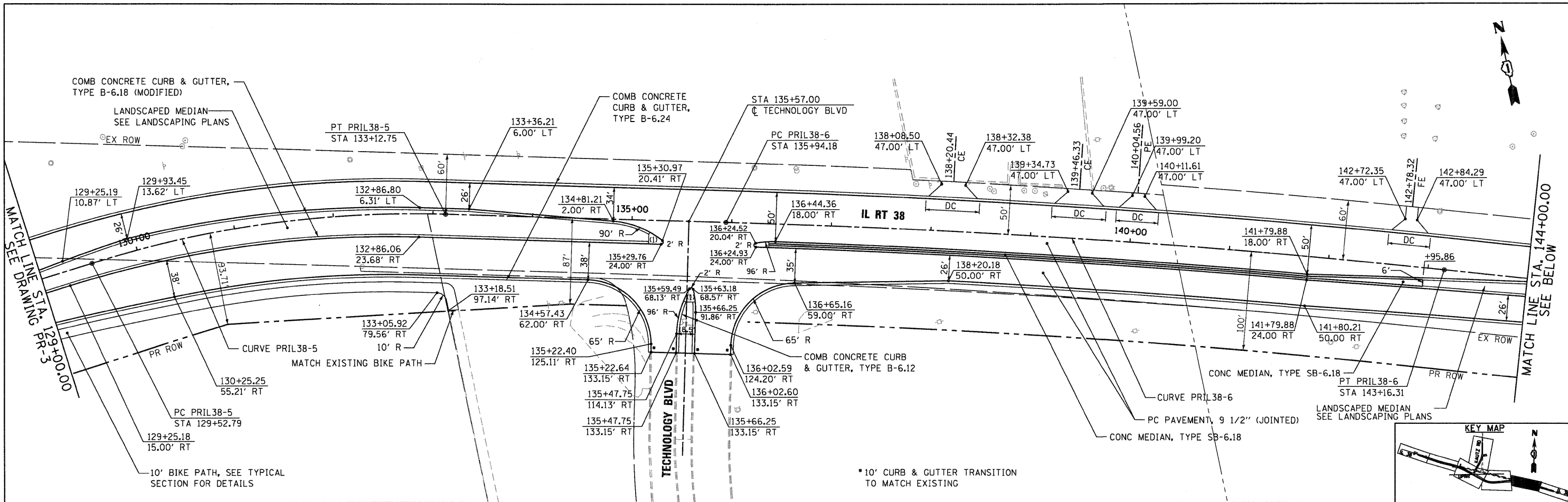
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	32
PR-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



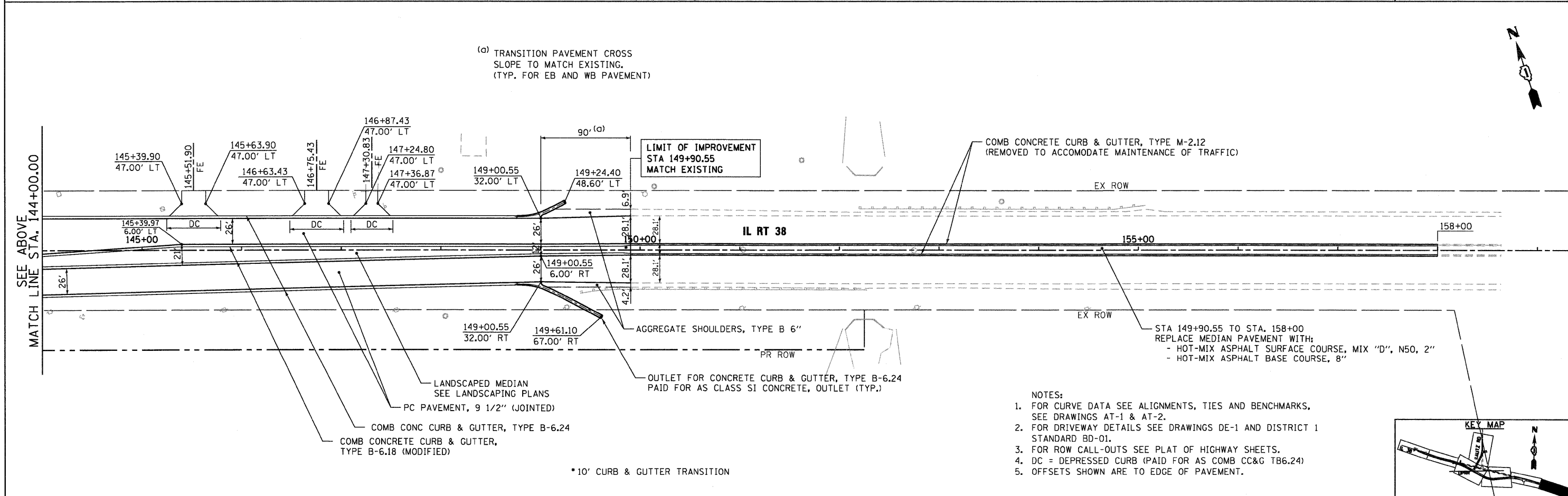
- NOTES:
1. FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
 2. FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
 3. FOR ROW CALL-OUTS SEE PLAT OF HIGHWAY SHEETS.
 4. DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24)
 5. OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.



FILE NAME = D:\68122-SHT-PLAN\03.dgn	USER NAME = YKjm	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 38 PROPOSED PLAN			F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 33
PLOT SCALE = 1/50	CHECKED - EJC	REVISIED -	REVISIED -		SCALE: 1"=50'	SHEET NO. 3 OF 4 SHEETS	STA. 115+00 TO STA. 129+00	PR-3		CONTRACT NO. 60122		
PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



(a) TRANSITION PAVEMENT CROSS
SLOPE TO MATCH EXISTING.
(TYP. FOR EB AND WB PAVEMENT)



- NOTES:
1. FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
 2. FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
 3. FOR ROW CALL-OUTS SEE PLAT OF HIGHWAY SHEETS.
 4. DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24)
 5. OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.

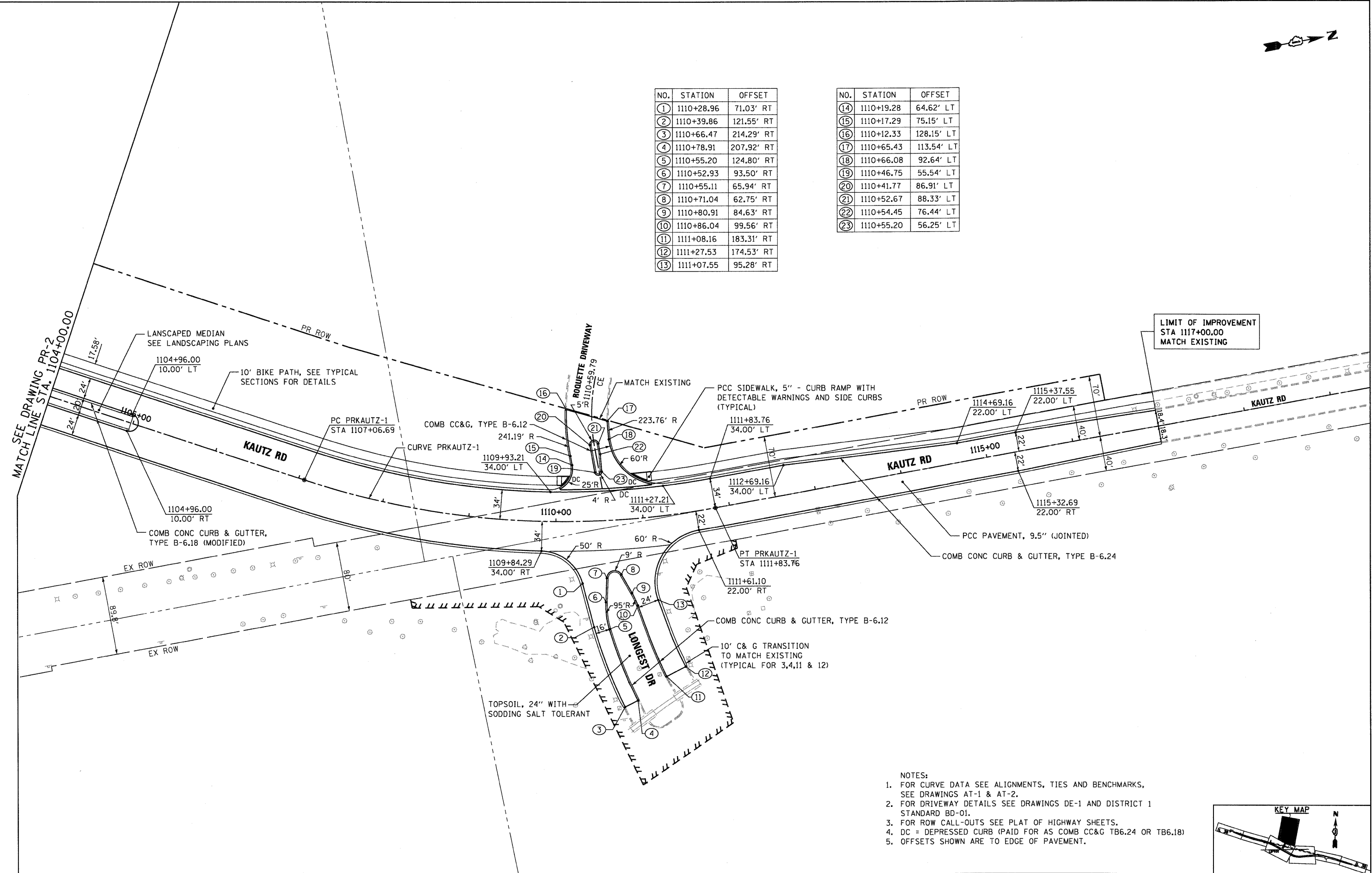
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 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = 0168122-SHT-PLAN84.dgn	USER NAME = EricG	DESIGNED - JTF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 38 PROPOSED PLAN	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 34	
PLOT SCALE = 1"=50'	PLOT DATE = 12/9/2011	DRAWN - JTF	REVISED -			SCALE: 1"=50'	SHEET NO. 4 OF 4 SHEETS	STA. 129+00 TO STA. END	PR-4		CONTRACT NO. 60122
CHECKED - E.JG	DATE - 12/09/11	REVISOR - E.JG	REVISOR -			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT					



NO.	STATION	OFFSET
1	1110+28.96	71.03' RT
2	1110+39.86	121.55' RT
3	1110+66.47	214.29' RT
4	1110+78.91	207.92' RT
5	1110+55.20	124.80' RT
6	1110+52.93	93.50' RT
7	1110+55.11	65.94' RT
8	1110+71.04	62.75' RT
9	1110+80.91	84.63' RT
10	1110+86.04	99.56' RT
11	1111+08.16	183.31' RT
12	1111+27.53	174.53' RT
13	1111+07.55	95.28' RT

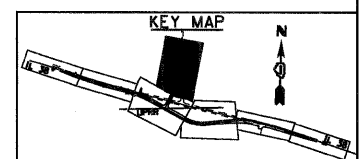
NO.	STATION	OFFSET
14	1110+19.28	64.62' LT
15	1110+17.29	75.15' LT
16	1110+12.33	128.15' LT
17	1110+65.43	113.54' LT
18	1110+66.08	92.64' LT
19	1110+46.75	55.54' LT
20	1110+41.77	86.91' LT
21	1110+52.67	88.33' LT
22	1110+54.45	76.44' LT
23	1110+55.20	56.25' LT



LIMIT OF IMPROVEMENT
STA 1117+00.00
MATCH EXISTING

SEE DRAWING PR-2
MATCH LINE STA. 1104+00.00

- NOTES:
- FOR CURVE DATA SEE ALIGNMENTS, TIES AND BENCHMARKS, SEE DRAWINGS AT-1 & AT-2.
 - FOR DRIVEWAY DETAILS SEE DRAWINGS DE-1 AND DISTRICT 1 STANDARD BD-01.
 - FOR ROW CALL-OUTS SEE PLAT OF HIGHWAY SHEETS.
 - DC = DEPRESSED CURB (PAID FOR AS COMB CC&G TB6.24 OR TB6.18)
 - OFFSETS SHOWN ARE TO EDGE OF PAVEMENT.



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 130 East Randolph Street, Chicago, Illinois 60601

FILE NAME = D:\68122-SHT-PLAN95.dgn	USER NAME = YKsm	DESIGNED - JTF	REVISED -
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PLOT DATE = 10/14/2011	DATE - 10/14/11		REVISED -

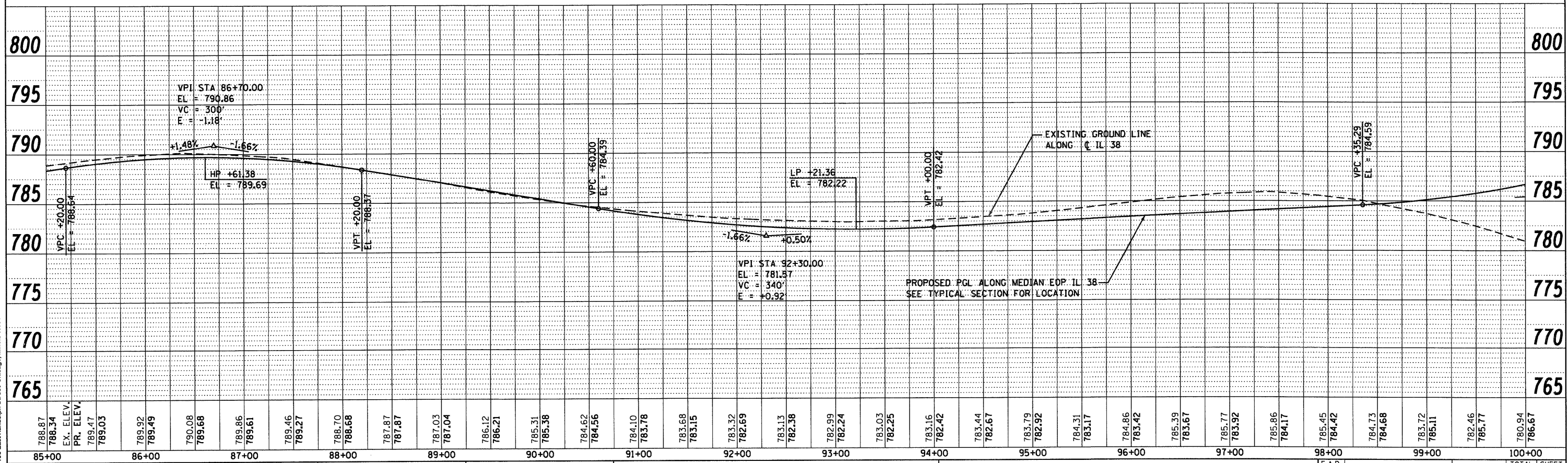
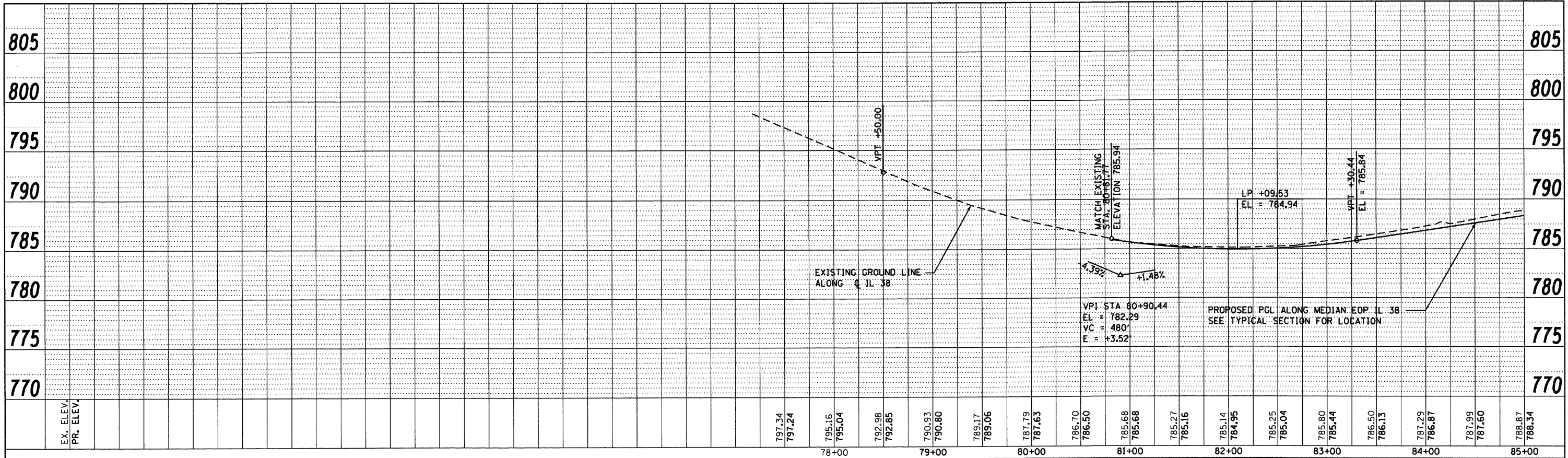
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KAUTZ ROAD PROPOSED PLAN
 SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 35
PR-5			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	RT. OF WAY		
	CHECKED		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	STRUCTURE		
	NOTATIONS		
	CHKD		



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 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = D:\160122-SHT-PROFILE01.dgn
 USER NAME = Ykim

DESIGNED	-	MJT	REVISED	-
DRAWN	-	MJT	REVISED	-
CHECKED	-	EJG	REVISED	-
DATE	-	10/14/11	REVISED	-

SCALE	=	1"=50'
PLOT DATE	=	10/14/2011

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

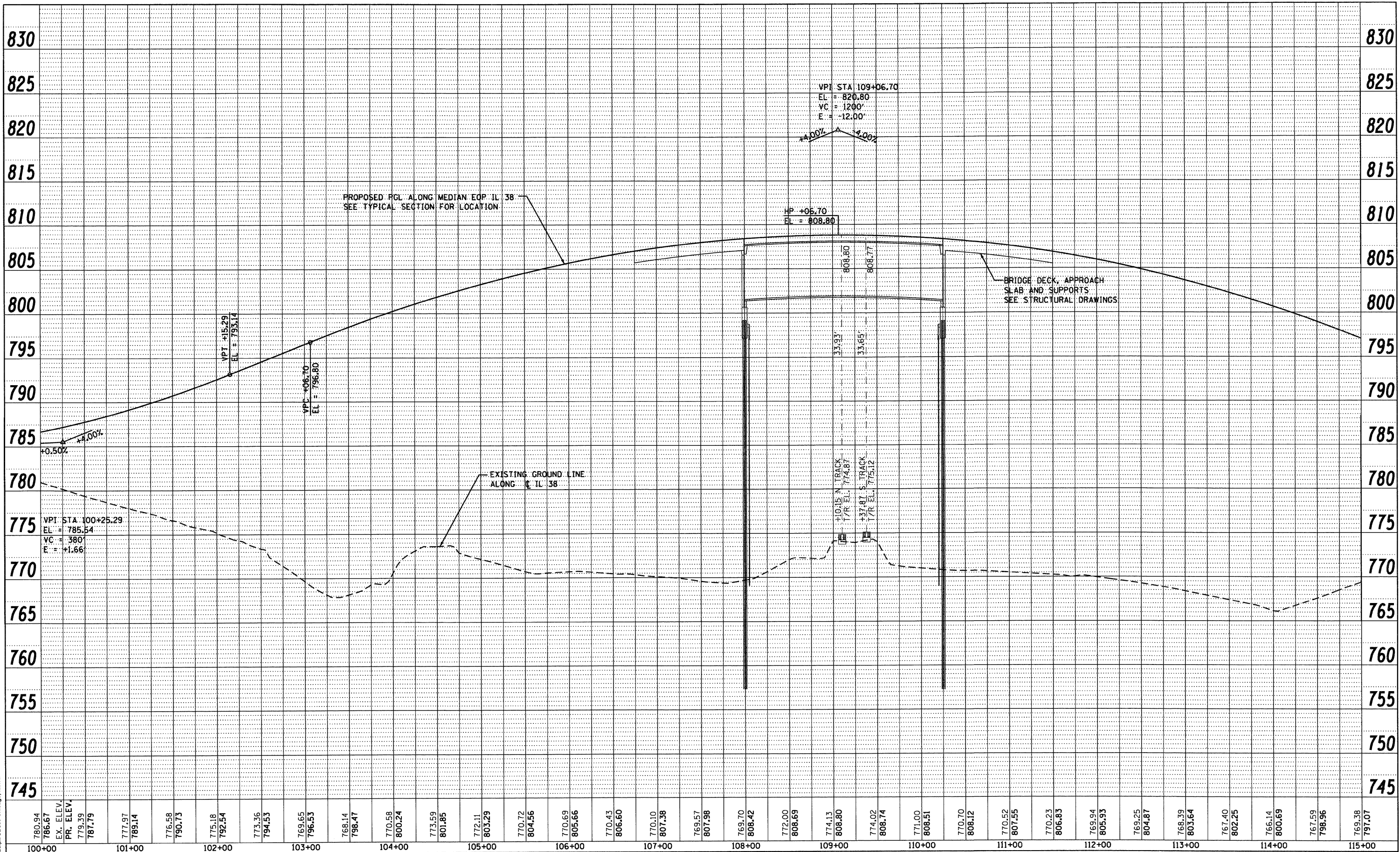
IL 38 PROPOSED PROFILE
 SCALE: 1"=50' H₁"=5' V SHEET NO. 1 OF 4 SHEETS STA. BEGIN TO STA. 100+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	36
PF-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	B.M. NOTED		
	STRUCTURE		
	NOTATIONS		
	CPRO		
	NO.		

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130 East Randolph Street Chicago, Illinois 60601

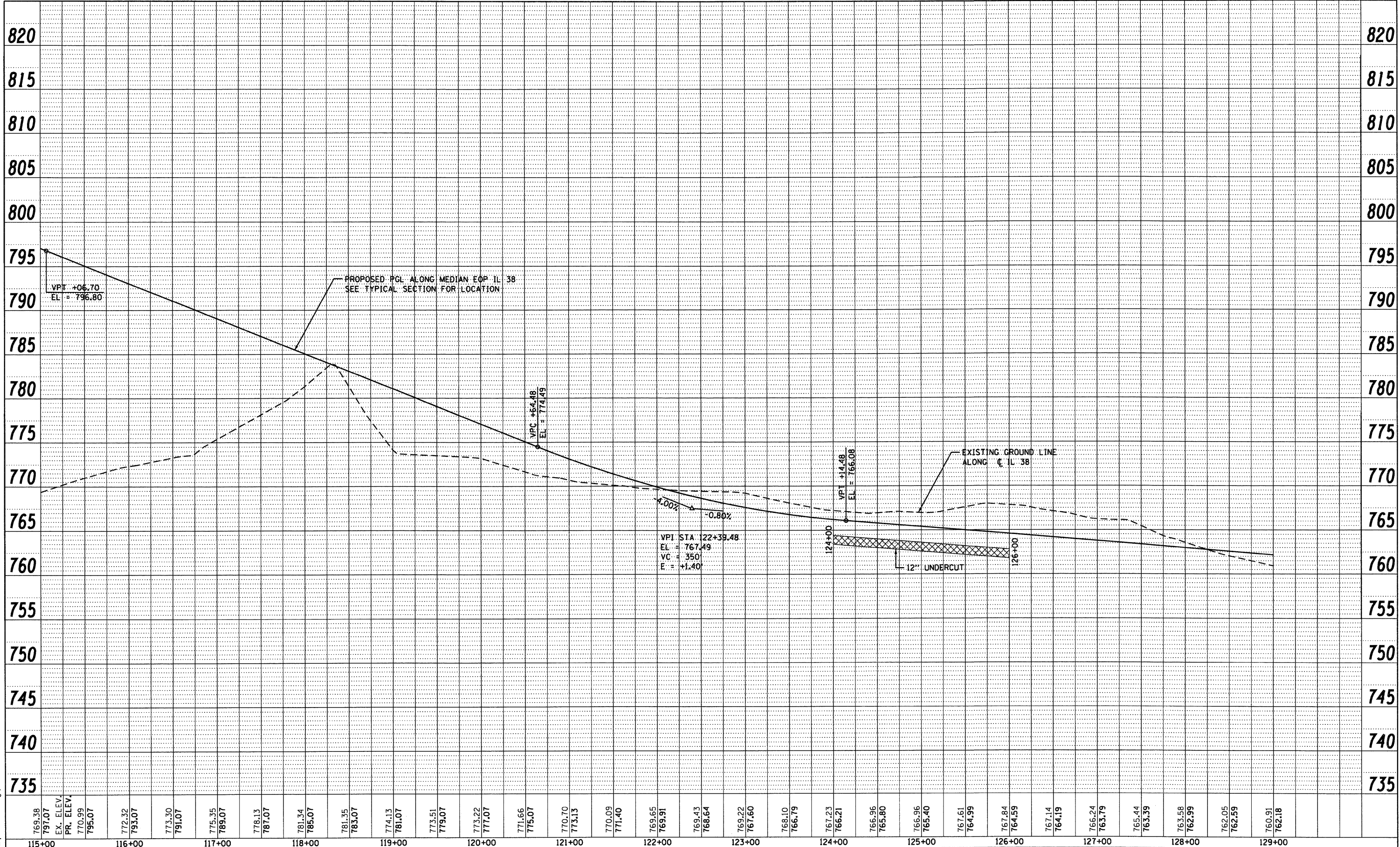


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100+00	101+00	102+00	103+00	104+00	105+00	106+00	107+00	108+00	109+00	110+00	111+00	112+00	113+00	114+00	115+00													

FILE NAME = D:\160122-SHT-PROFILE02.dgn	USER NAME = YKlm	DESIGNED - MJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 38 PROPOSED PROFILE	SCALE: 1"=50' H: 1"=5' V	SHEET NO. 2 OF 4 SHEETS	STA. 100+00 TO STA. 115+00	F.A.P. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 37
PLOT SCALE = 1:500	CHECKED - EUG	REVISED -	FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60122					
PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISED -											

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



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 130 East Randolph Street, Chicago, Illinois 60601

769.38	797.07	772.32	773.30	775.35	778.13	781.34	783.07	774.13	773.51	773.22	771.66	770.70	773.13	770.09	769.65	769.43	768.64	769.22	768.10	767.23	766.96	766.40	767.61	767.84	767.14	766.24	765.44	763.58	762.05	760.91		
115+00	116+00	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00																		

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		CHECKED - EJC	REVISED -
		DATE - 10/14/11	REVISED -

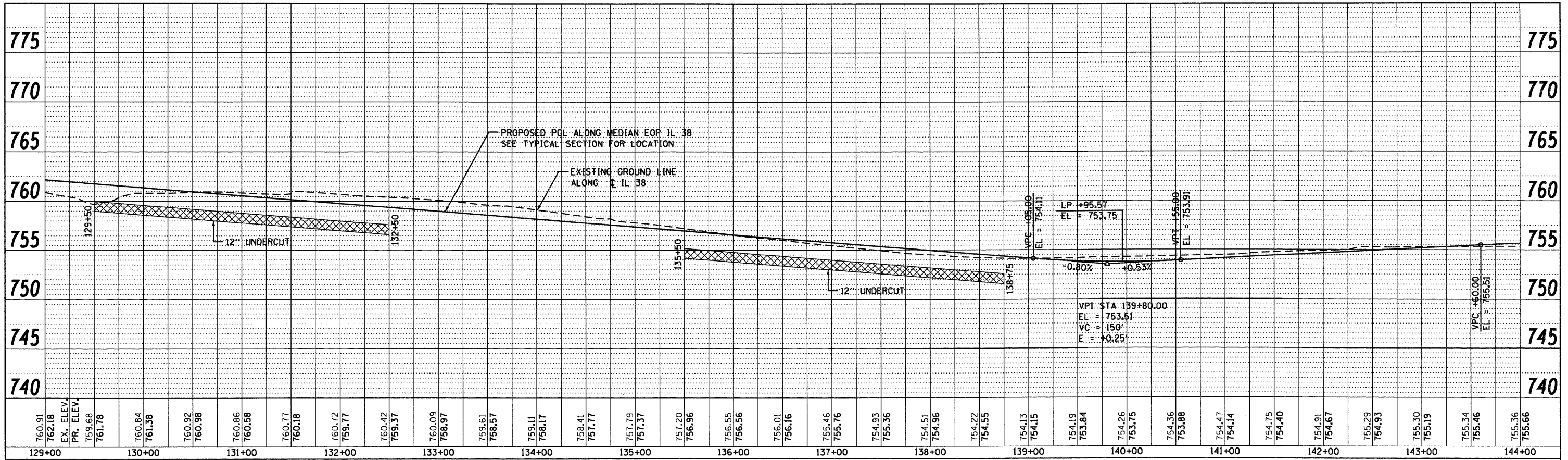
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 38 PROPOSED PROFILE

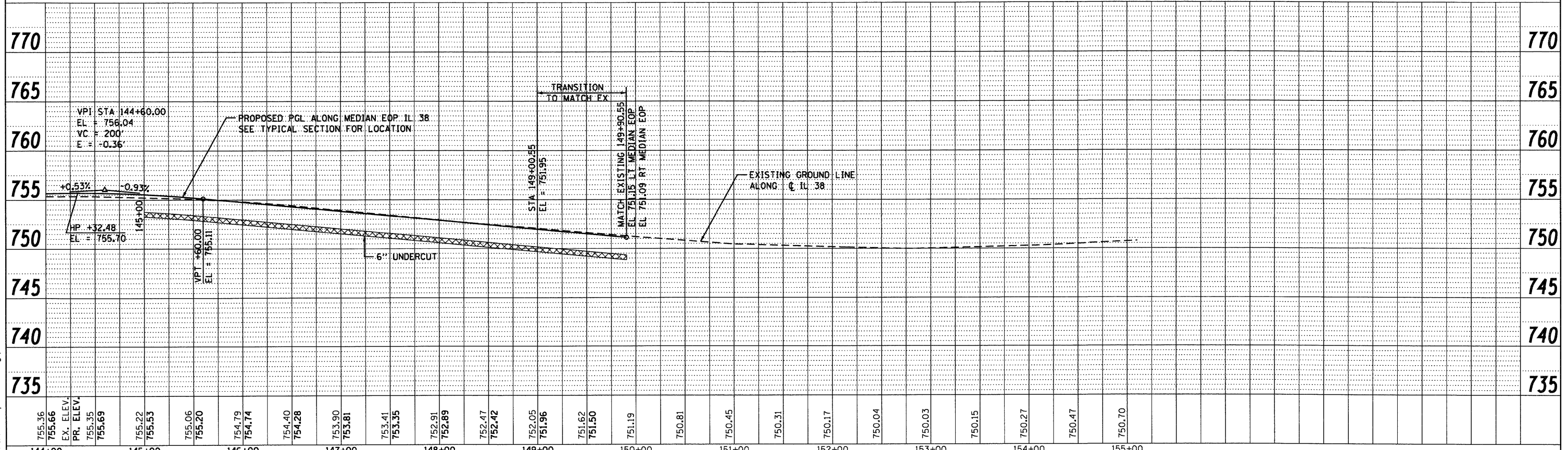
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F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 38
PF-3			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	RT. OF WAY CHECKED	
	ROAD FILE NAME	



PROFILE	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	RT. OF WAY CHECKED	
	ROAD FILE NAME	



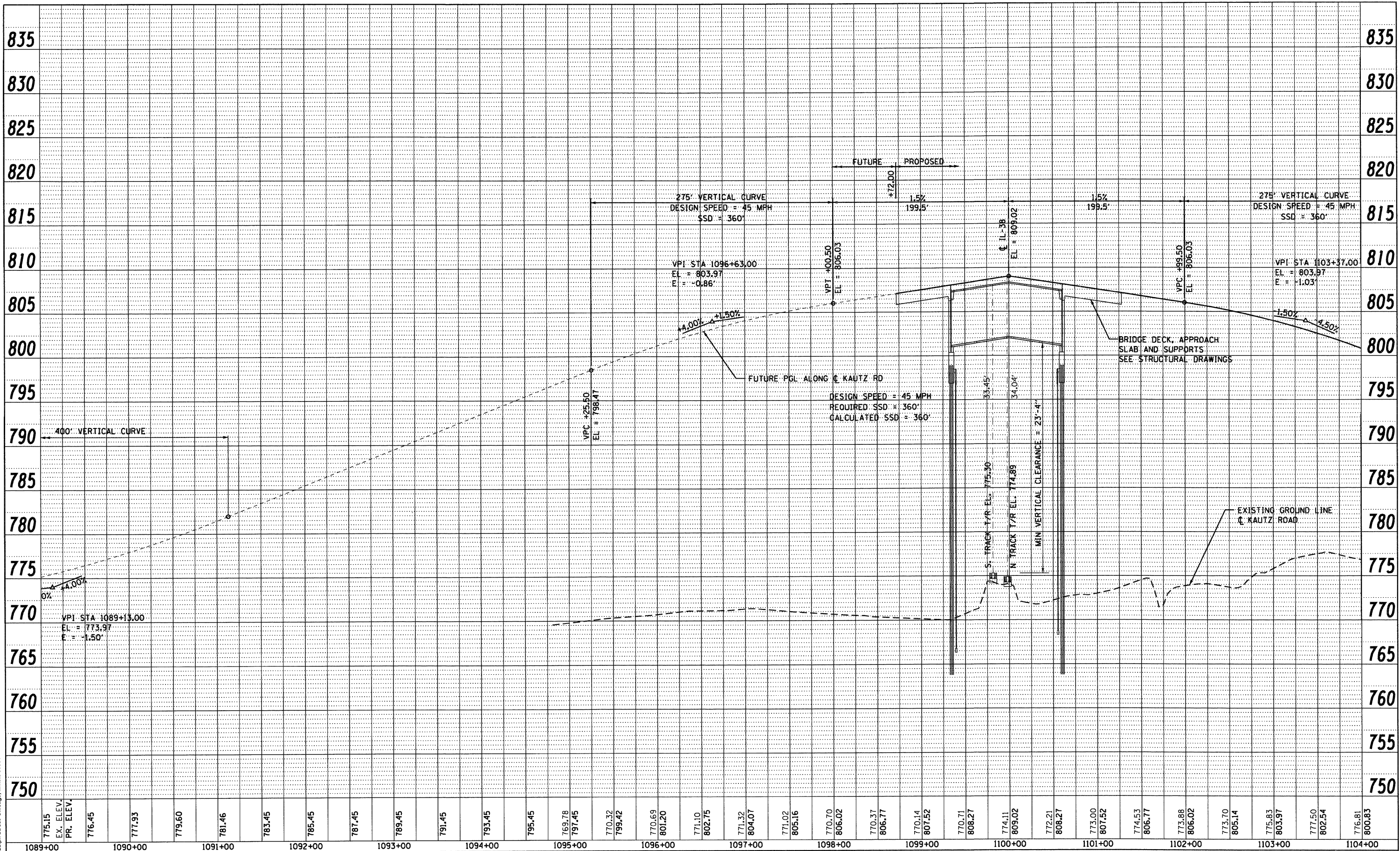
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PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISED -									

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	ADD. FILE		
	NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	B.M. NOTED		
	STRUCTURE		
	NOTATIONS		
	CHRD		
	NO.		

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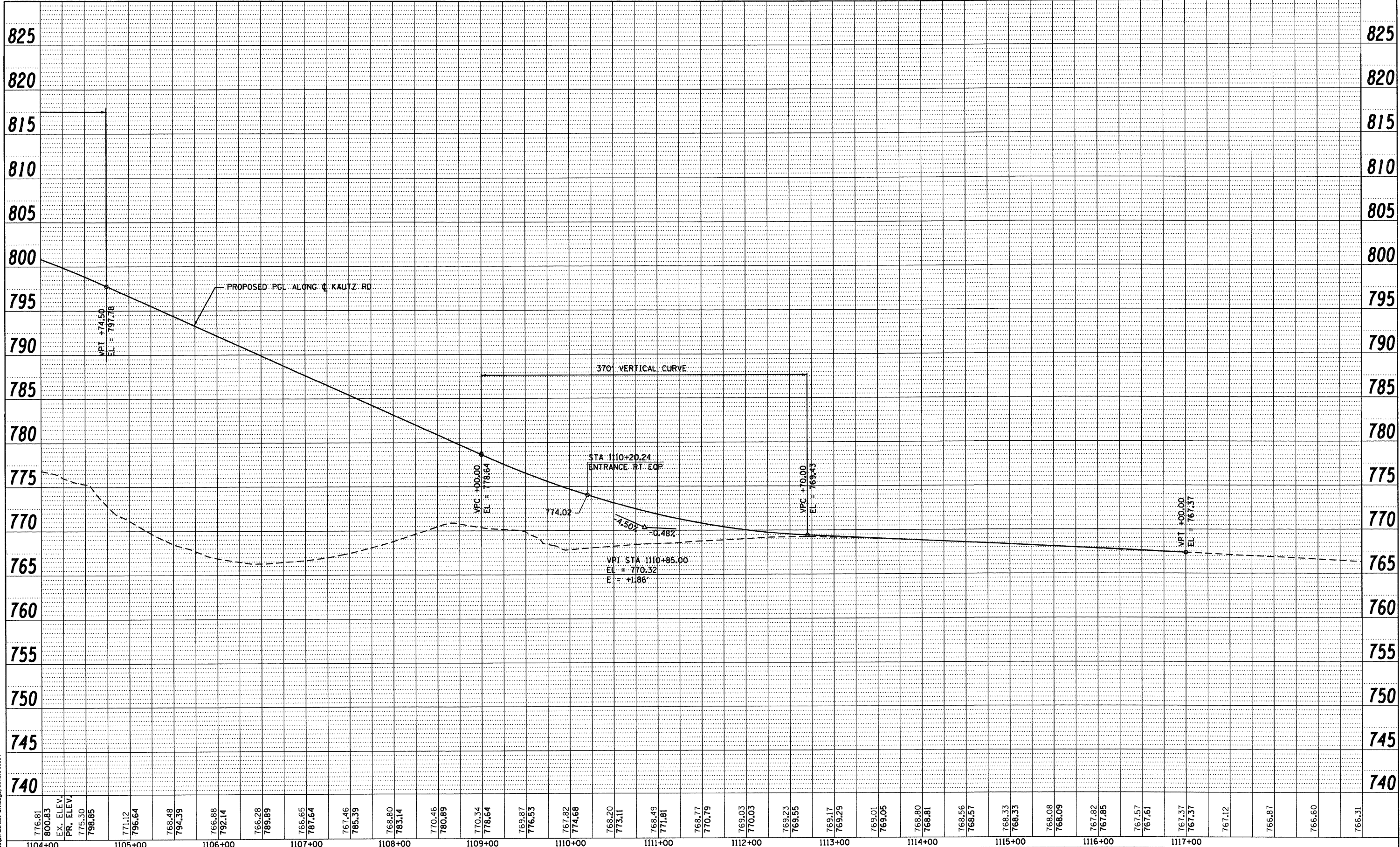
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1089+00	1090+00	1091+00	1092+00	1093+00	1094+00	1095+00	1096+00	1097+00	1098+00	1099+00	1100+00	1101+00	1102+00	1103+00	1104+00																																		

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PLOT SCALE = 1:50	CHECKED - E.JG	REVISED -	SCALE: 1"=50'H 1"=5' V			SHEET NO. 1 OF 2 SHEETS	STA. BEGIN TO STA. 1104+00	PF-5		CONTRACT NO. 60122
PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISED -	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
NO.	ALIGNED		
	NOTED		
	RT. OF WAY		
	CHECKED		
	PAID FILE		
	NAME		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	CHECKED		
	BLANK		
	NOTED		
	STRUCTURE		
	NOTATIONS		
	CHKD		

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776.81	771.12	766.28	766.65	767.46	768.80	770.34	769.87	767.82	768.20	768.77	769.03	769.23	769.17	768.80	768.56	768.33	768.08	767.57	767.37	766.87	766.60	766.31	
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1104+00	1105+00	1106+00	1107+00	1108+00	1109+00	1110+00	1111+00	1112+00	1113+00	1114+00	1115+00	1116+00	1117+00										

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USER NAME = YKlm
 DESIGNED - MJT
 DRAWN - MJT
 CHECKED - EUG
 DATE - 10/14/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KAUTZ ROAD PROPOSED PROFILE
 SCALE: 1"=50' H, 1"=5' V SHEET NO. 2 OF 2 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 41
PF-6			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

**STAGES OF CONSTRUCTION
GENERAL NOTES**

1. THE ENGINEER SHALL BE INFORMED 72 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS, OR ANY CHANGE IN STAGE.
2. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES AND BUSINESS DRIVEWAYS WITHIN THE PROJECT LIMITS.
3. THE CONTRACTOR SHALL PLACE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS SHALL BE IN PLACE TWO WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES.

EMBANKMENT SETTLEMENT WAITING PERIOD

THE CONTRACTOR IS ADVISED THAT IN ACCORDANCE WITH THE ROADWAY GEOTECHNICAL REPORT (RGR), A MINIMUM 120 DAY WAITING PERIOD IS RECOMMENDED AFTER COMPLETION OF THE EMBANKMENT TO MITIGATE THE EFFECTS OF THE ANTICIPATED 2.5 TO 3.0 INCH SETTLEMENT. THIS WAITING PERIOD APPLIES TO THE ROADWAY ELEMENTS OF THE PROJECT.

FOR THE WAITING PERIOD ASSOCIATED WITH THE STRUCTURAL ELEMENTS, SEE THE STRUCTURAL PLANS AND THE STRUCTURE GEOTECHNICAL REPORT (SGR) FOR ADDITIONAL INFORMATION. COPIES OF THE REPORTS ARE AVAILABLE FROM THE DEPARTMENT.

SEQUENCE OF CONSTRUCTION – STAGE 1

CONSTRUCT THE PROPOSED 24" SANITARY SEWER.
CONSTRUCT THE RELOCATED 12" WATER MAIN.

ILLINOIS ROUTE 38

EXISTING IL ROUTE 38 WILL BE KEPT OPEN AND TRAFFIC WILL BE MAINTAINED IN BOTH DIRECTIONS. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701101-02 AND 701106-02.

CONSTRUCT EMBANKMENT, MSE WALLS AND BRIDGE SUB-STRUCTURE. SEE EMBANKMENT SETTLEMENT WAITING PERIOD NOTE.

CONSTRUCT BRIDGE SUPERSTRUCTURE, APPROACH SLABS, AND PAVEMENT AND APPURTENANCES WITHIN THE LIMITS SHOWN IN THE PLANS.

KAUTZ ROAD

EXISTING KAUTZ ROAD WILL KEPT OPEN AND TRAFFIC WILL BE MAINTAINED IN BOTH DIRECTIONS. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701101-02 AND 701106-02.

CONSTRUCT EMBANKMENT / EARTH EXCAVATION ITEMS WEST OF EXISTING KAUTZ ROAD IN PREPARATION OF STAGE 3.

SEQUENCE OF CONSTRUCTION – STAGE 2

ILLINOIS ROUTE 38

TRAFFIC ON IL ROUTE 38 WILL BE REDUCED TO ONE LANE IN EACH DIRECTION UTILIZING THE WESTBOUND LANES. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701606-08.

PRIOR TO UTILIZING STAGE 2 TRAFFIC CONFIGURATION, REMOVE EXISTING MEDIAN AS REQUIRED AND CONSTRUCT TEMPORARY PAVEMENT AS SHOWN IN THE STAGE 2 PLANS.

PLACE TRAFFIC CONTROL DEVICES, REMOVE EXISTING PAVEMENT MARKINGS.

PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY TAPE TYPE III PER MAINTENANCE OF TRAFFIC STAGE 3 PLANS.

A GEOTEXTILE WALL WILL BE USED TO STABILIZE THE EMBANKMENT NORTH OF THE NEW STRUCTURE UNTIL NEW IL ROUTE 38 ALIGNMENT IS OPENED.

SHIFT TRAFFIC OVER TO THE WESTBOUND LANES OF IL ROUTE 38.

KAUTZ ROAD

EXISTING KAUTZ ROAD WILL KEPT OPEN AND TRAFFIC WILL BE MAINTAINED IN BOTH DIRECTIONS.

SEQUENCE OF CONSTRUCTION – STAGE 3

ILLINOIS ROUTE 38

TRAFFIC ON IL ROUTE 38 WILL BE REDUCED TO ONE LANE IN EACH DIRECTION UTILIZING THE EASTBOUND LANES. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701606-08.

PLACE TRAFFIC CONTROL DEVICES, REMOVE STAGE 2 TEMPORARY PAVEMENT MARKINGS AT EAST AND WEST ENDS OF PROJECT.

PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY TAPE TYPE III PER MAINTENANCE OF TRAFFIC STAGE 3 PLANS.

PLACE TEMPORARY CONCRETE BARRIER AND ATTENUATORS PER STAGE 3 PLAN.

A GEOTEXTILE WALL WILL BE USED TO STABILIZE THE EMBANKMENT NORTH OF THE NEW STRUCTURE UNTIL NEW IL ROUTE 38 ALIGNMENT IS OPENED.

SHIFT TRAFFIC OVER TO THE EASTBOUND LANES OF NEW IL ROUTE 38.

KAUTZ ROAD (STAGE 3A)

KAUTZ ROAD WILL BE CLOSED TO THRU TRAFFIC DURING RECONSTRUCTION AND A DETOUR PROVIDED.

ACCESS TO THE PRAIRIE LANDING GOLF COURSE AND ROQUETTE SHALL BE MAINTAINED AT ALL TIMES.

REMOVE CURB & GUTTER ON EAST SIDE OF KAUTZ AND BUILD TEMPORARY PAVEMENT AS SHOWN ON STAGE 3A PLANS.

PLACE TRAFFIC CONTROL DEVICES, REMOVE EXISTING PAVEMENT MARKINGS.

PLACE TEMPORARY PAVEMENT MARKINGS AND TEMPORARY TAPE TYPE III PER MAINTENANCE OF TRAFFIC STAGE 3A PLANS.

INSTALL MEANS OF RETAINING PROPOSED KAUTZ ROAD, LONGEST DRIVE & ROQUETTE DRIVEWAY TO PROTECT TRAFFIC AS PER STAGE 3A PLANS. SHIFT GOLF COURSE & ROQUETTE TRAFFIC TO EXISTING NORTHBOUND KAUTZ ROAD.

CONSTRUCT WEST PORTION OF KAUTZ ROAD NORTH OF LONGEST DRIVE AND ROQUETTE DRIVEWAY, AND CONSTRUCT SOUTH PORTION OF LONGEST DRIVE.

CONSTRUCT SOUTH PORTION OF ROQUETTE DRIVEWAY IN STAGE 3A-1. CONSTRUCT NORTH PORTION OF ROQUETTE DRIVEWAY IN STAGE 3A-2.

CONSTRUCT KAUTZ ROAD IN ENTIRETY SOUTH OF LONGEST DRIVE AND ROQUETTE DRIVEWAY.

SEE EMBANKMENT SETTLEMENT WAITING PERIOD NOTE.

KAUTZ ROAD (STAGE 3B)

KAUTZ ROAD WILL BE CLOSED TO THRU TRAFFIC DURING RECONSTRUCTION AND A DETOUR PROVIDED.

ACCESS TO THE PRAIRIE LANDING GOLF COURSE AND ROQUETTE SHALL BE MAINTAINED AT ALL TIMES.

PLACE TRAFFIC CONTROL DEVICES, REMOVE STAGE 3A PAVEMENT MARKINGS.

PLACE TEMPORARY TEMPORARY TAPE TYPE III PER MAINTENANCE OF TRAFFIC STAGE 3B PLANS.

SHIFT GOLF COURSE AND ROQUETTE TRAFFIC TO NEW SOUTHBOUND KAUTZ ROAD.

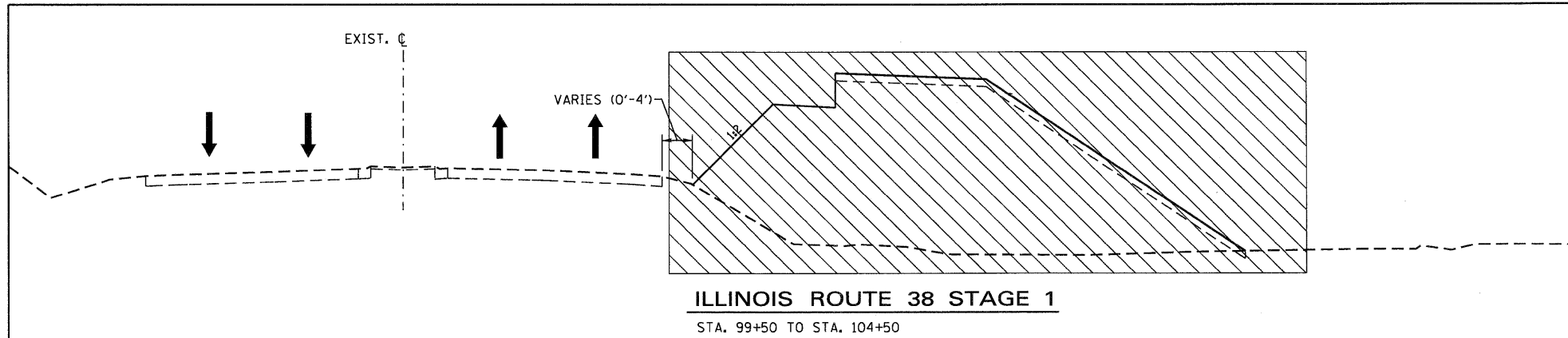
CONSTRUCT EAST PORTION OF KAUTZ ROAD NORTH OF LONGEST DRIVE AND ROQUETTE DRIVEWAY, AND CONSTRUCT NORTH PORTION OF LONGEST DRIVE.

CONTINUE CONSTRUCTION OF KAUTZ ROAD IN ENTIRETY SOUTH OF LONGEST DRIVE.

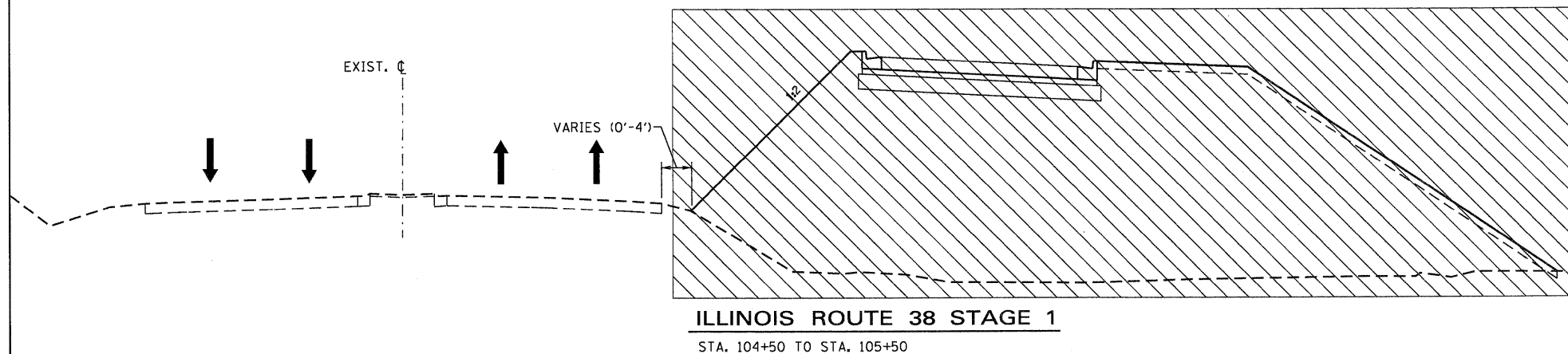
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	PLOT SCALE = 1:10	DRAWN - KBN	REVISED -			347	LY (HB & VB)	DUPAGE/KANE	421	42	
	PLOT DATE = 12/9/2011	CHECKED - EJC	REVISED -			MOT-1		CONTRACT NO. 60122			
		DATE - 12/09/11	REVISED -			SCALE: NONE	SHEET NO. 1 OF 17 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

LEGEND

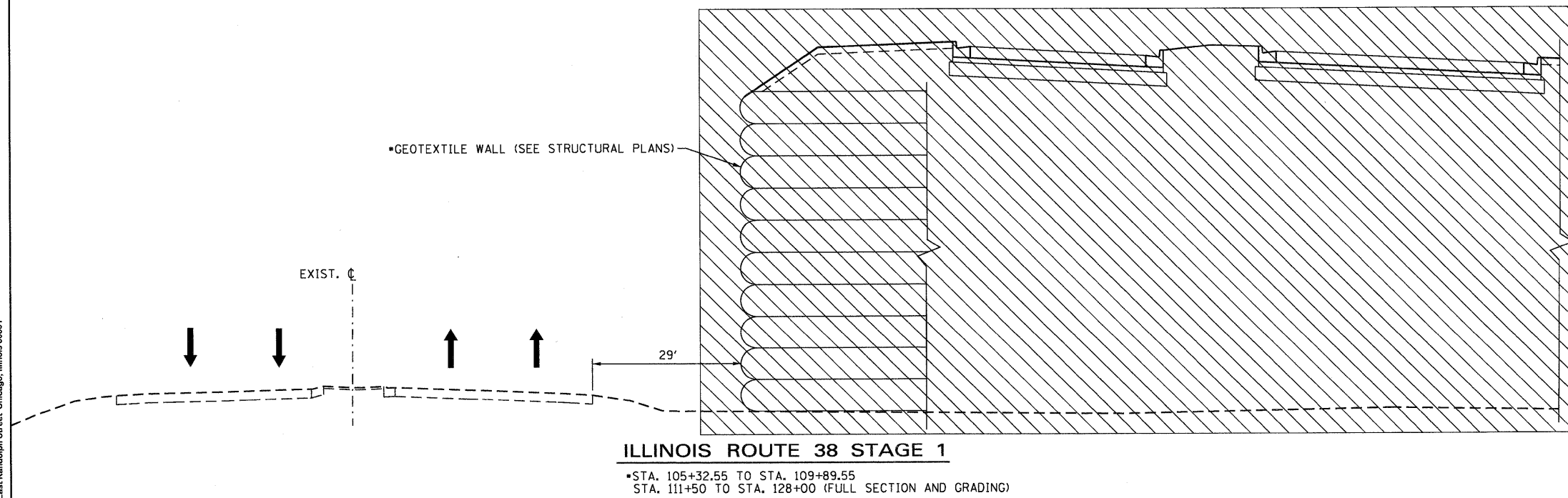
- ① TEMPORARY PAVEMENT MARKING LINE, 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING LINE, 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING LINE, 6" (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (WHITE)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (YELLOW)
- ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (WHITE)
- ⑦ DRUM OR BARRICADE
- ⑧ TEMPORARY CONCRETE BARRIER
- ⑨ TEMPORARY PAVEMENT, 10"



ILLINOIS ROUTE 38 STAGE 1
STA. 99+50 TO STA. 104+50



ILLINOIS ROUTE 38 STAGE 1
STA. 104+50 TO STA. 105+50



ILLINOIS ROUTE 38 STAGE 1
*STA. 105+32.55 TO STA. 109+89.55
STA. 111+50 TO STA. 128+00 (FULL SECTION AND GRADING)

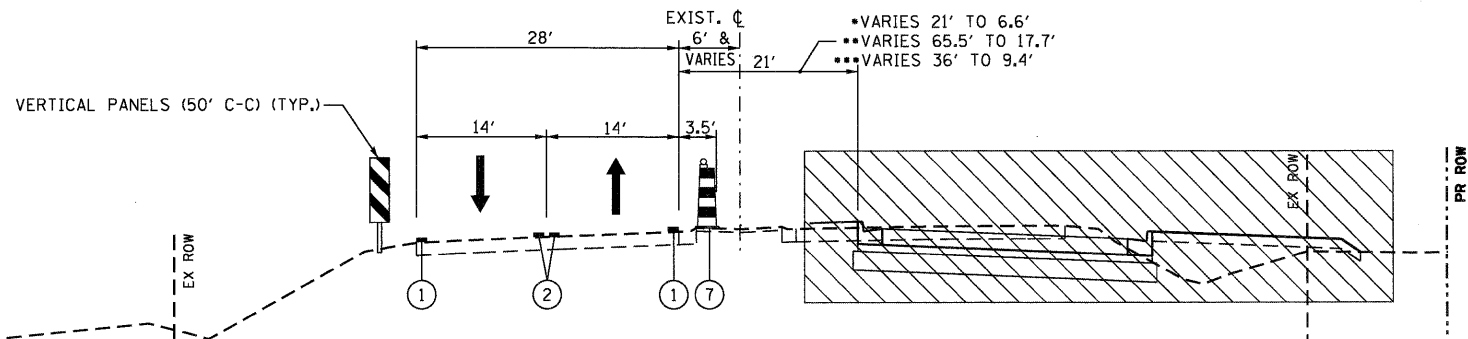
McDonough Associates Inc.
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 130 East Randolph Street Chicago, Illinois 60601

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		CHECKED - E.JG	REVISED -
		DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

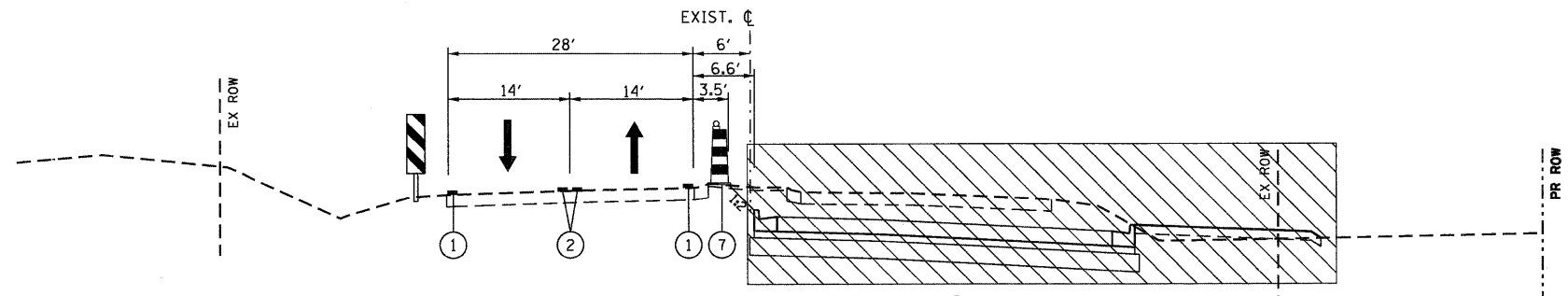
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 2 OF 17 SHEETS
STA.	TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 43
MOT-2			CONTRACT NO. 60122	
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



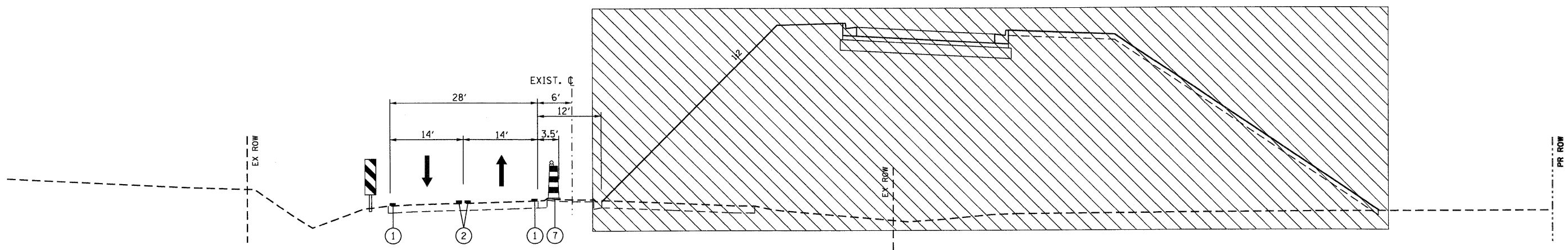
ILLINOIS ROUTE 38 STAGE 2

STA. 80+82 TO STA. 93+46
 • STA. 93+46 TO STA. 95+46
 •• STA. 130+00 TO STA. 135+30
 ••• STA. 142+88 TO STA. 149+91



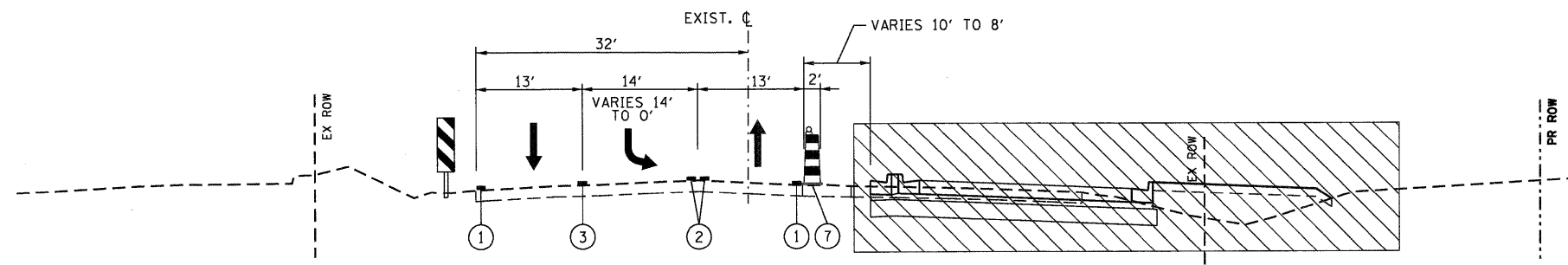
ILLINOIS ROUTE 38 STAGE 2

STA. 95+46 TO STA. 97+40



ILLINOIS ROUTE 38 STAGE 2

STA. 97+40 TO STA. 104+50



ILLINOIS ROUTE 38 STAGE 2

STA. 136+24 TO STA. 140+21

LEGEND

- ① TEMPORARY PAVEMENT MARKING LINE, 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING LINE, 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING LINE, 6" (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (WHITE)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (YELLOW)
- ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (WHITE)
- ⑦ DRUM OR BARRICADE
- ⑧ TEMPORARY CONCRETE BARRIER
- ⑨ TEMPORARY PAVEMENT, 10"

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FILE NAME =	USER NAME = YK1m
D168122-SHT-STAGING03.dgn	

DESIGNED - KBN	REVISED -
DRAWN - KBN	REVISED -
CHECKED - EJJ	REVISED -
DATE - 10/14/11	REVISED -

DESIGNED - KBN	REVISED -
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DATE - 10/14/11	REVISED -

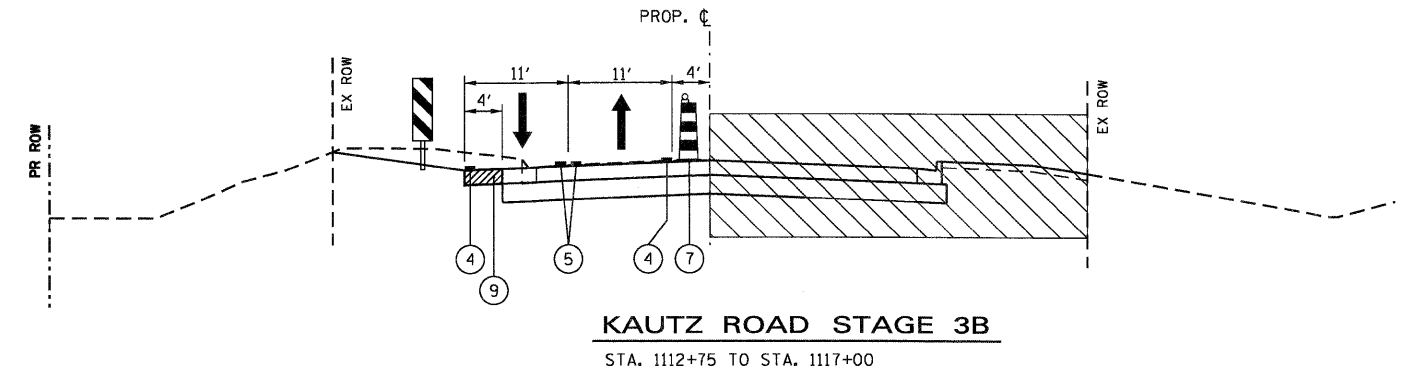
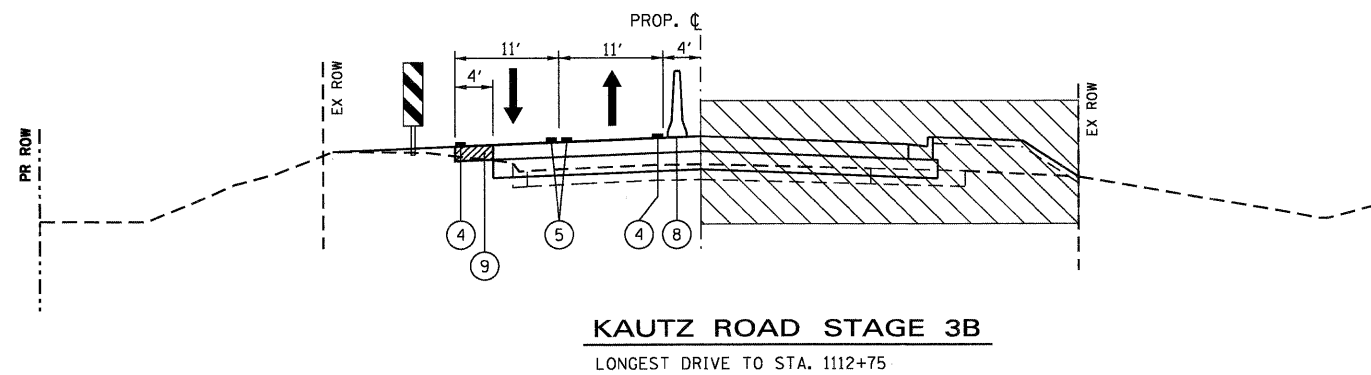
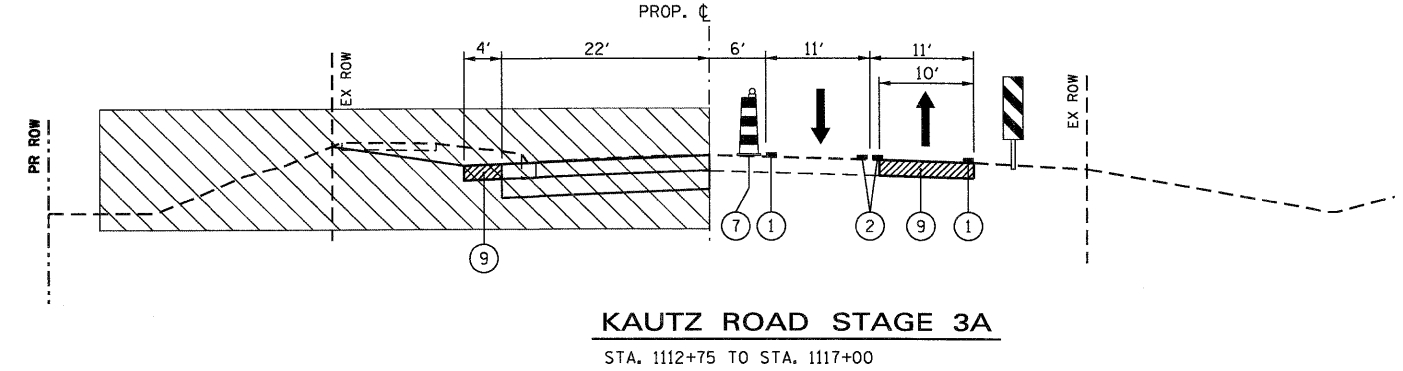
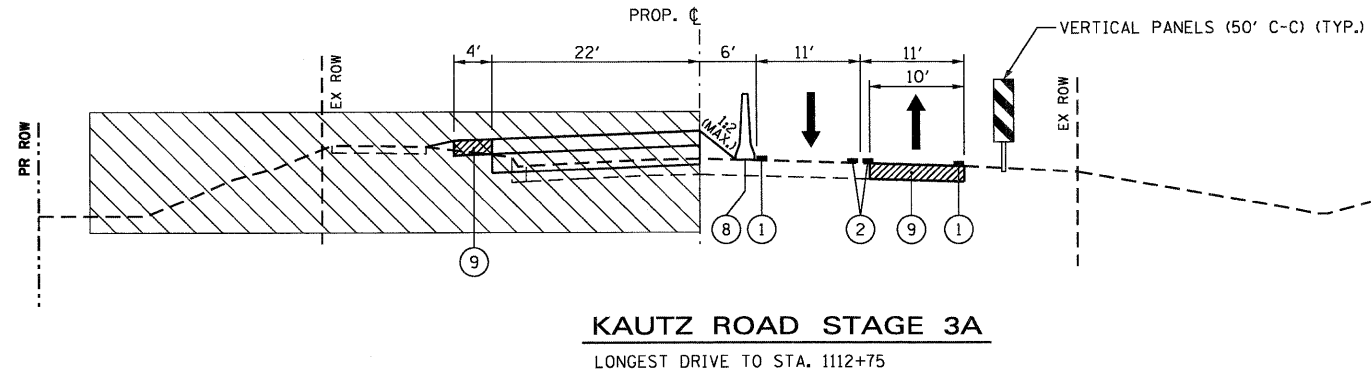
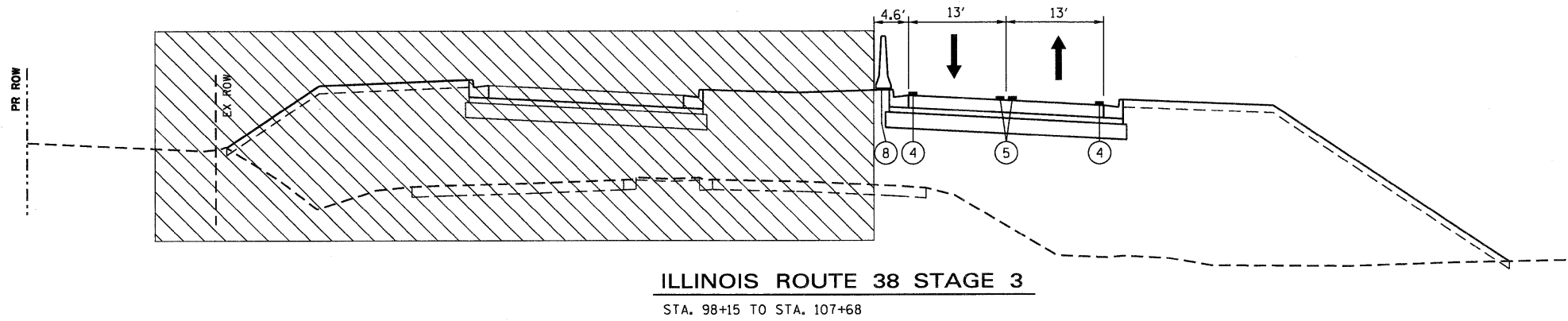
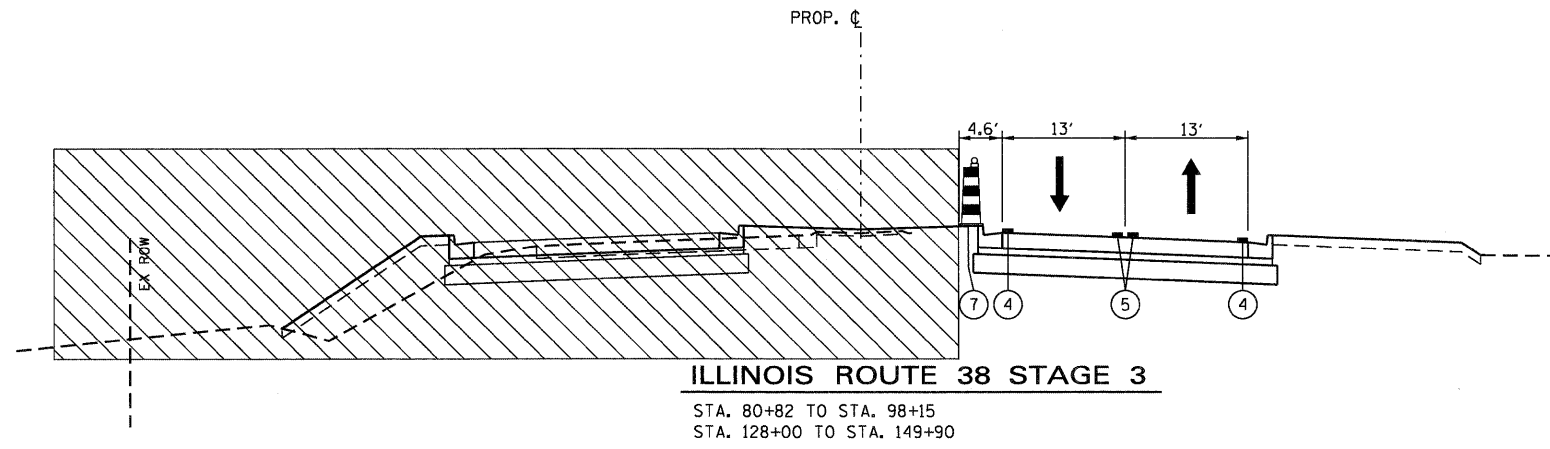
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 3 OF 17 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	44
MOT-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

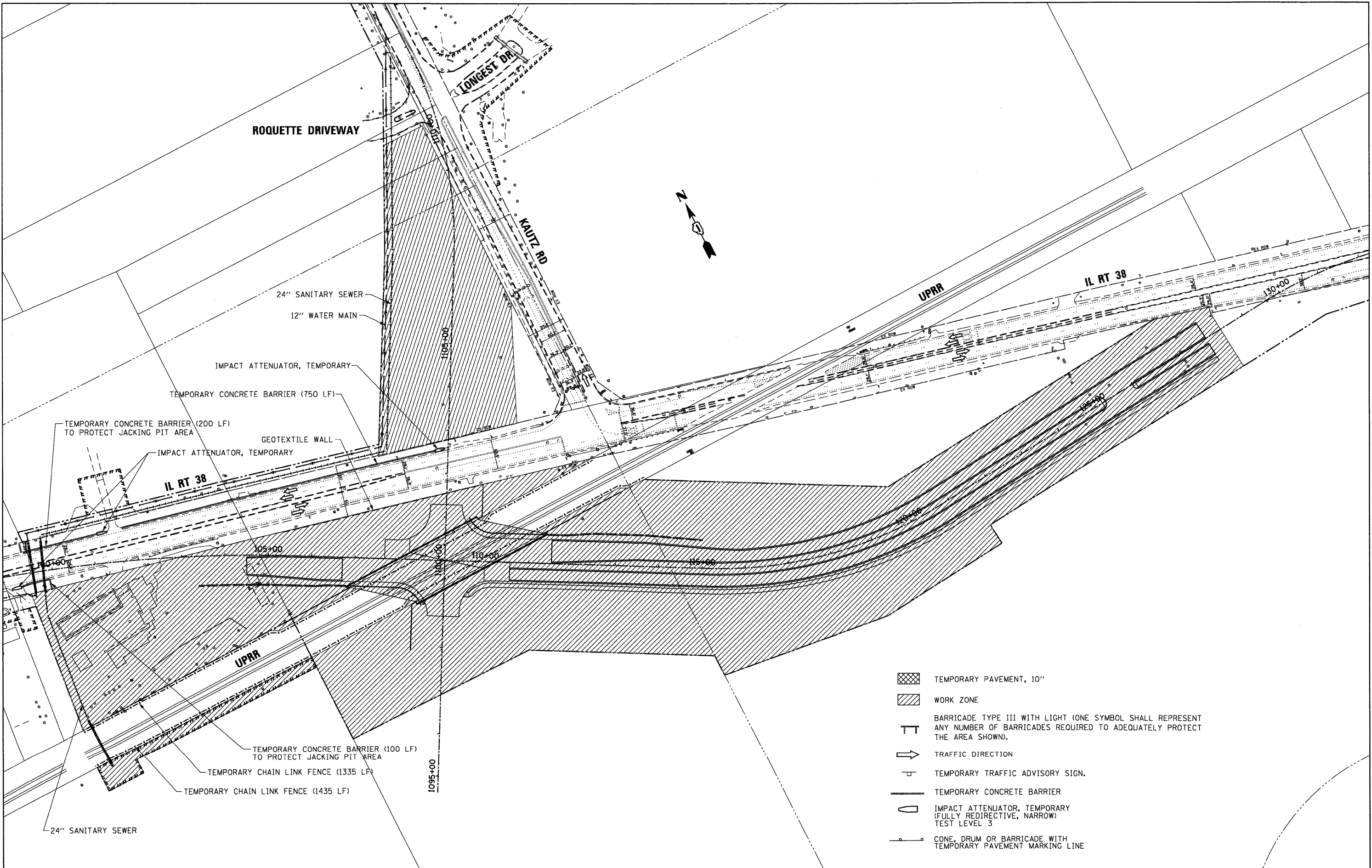
- ① TEMPORARY PAVEMENT MARKING LINE, 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING LINE, 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING LINE, 6" (WHITE)
- ④ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (WHITE)
- ⑤ WET REFLECTIVE TEMPORARY TAPE TYPE III, 4" (YELLOW)
- ⑥ WET REFLECTIVE TEMPORARY TAPE TYPE III, 6" (WHITE)
- ⑦ DRUM OR BARRICADE
- ⑧ TEMPORARY CONCRETE BARRIER
- ⑨ TEMPORARY PAVEMENT, 10"



FILE NAME = D:\60122-SHT-STAGING04.dgn	USER NAME = YKlm	DESIGNED - KBN	REVISED -
		DRAWN - KBN	REVISED -
		CHECKED - EJC	REVISED -
		DATE - 10/14/11	REVISED -

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 4 OF 17 SHEETS
STA.	TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 45
MOT-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE

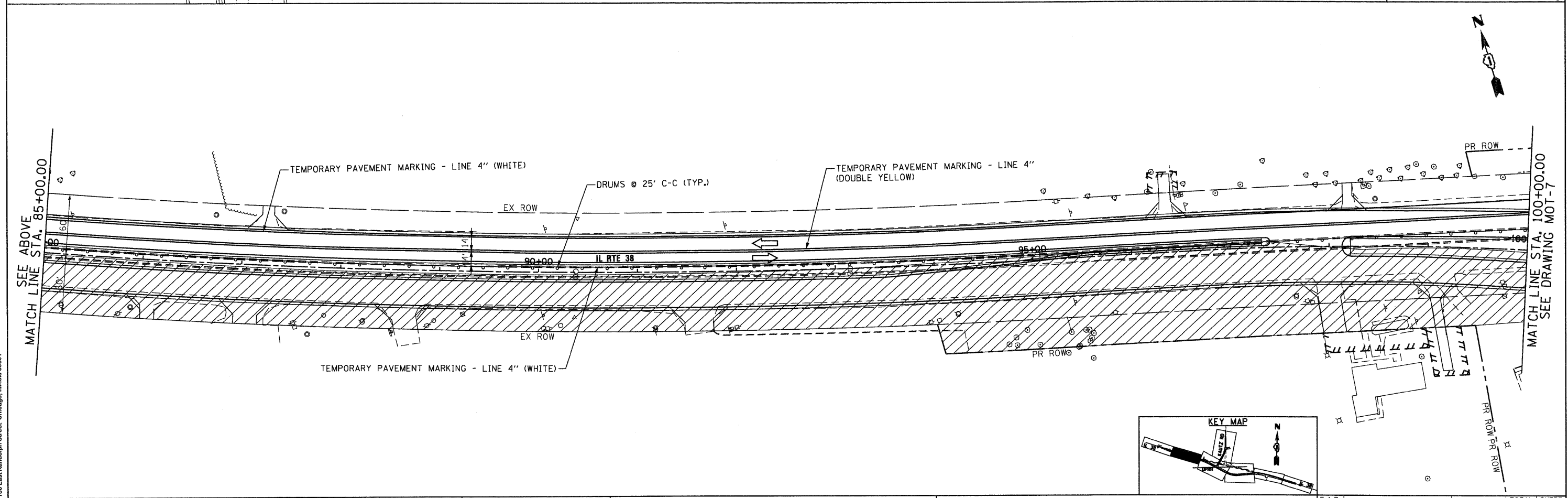
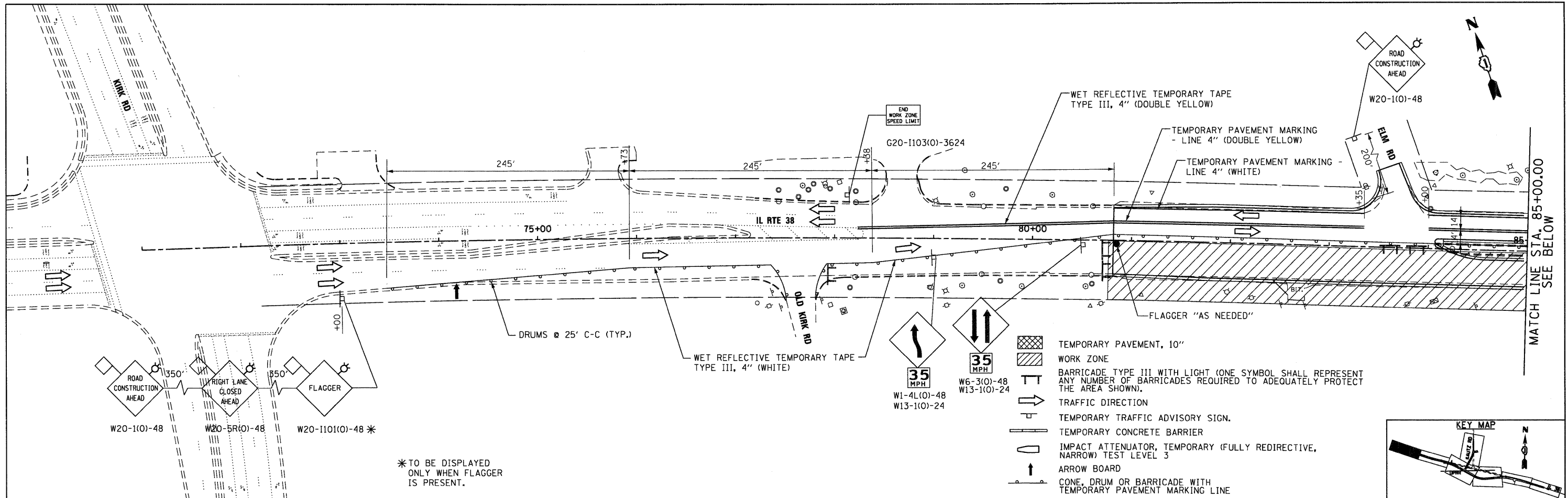
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		DRAWN - KBN	REVISED -
		CHECKED - EJC	REVISED -
		DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE I**

SCALE: 1"=100' SHEET NO. 5 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	46
MOT-5			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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DRAWN - KBN	REVISED -
CHECKED - EJC	REVISED -
DATE - 10/14/11	REVISED -

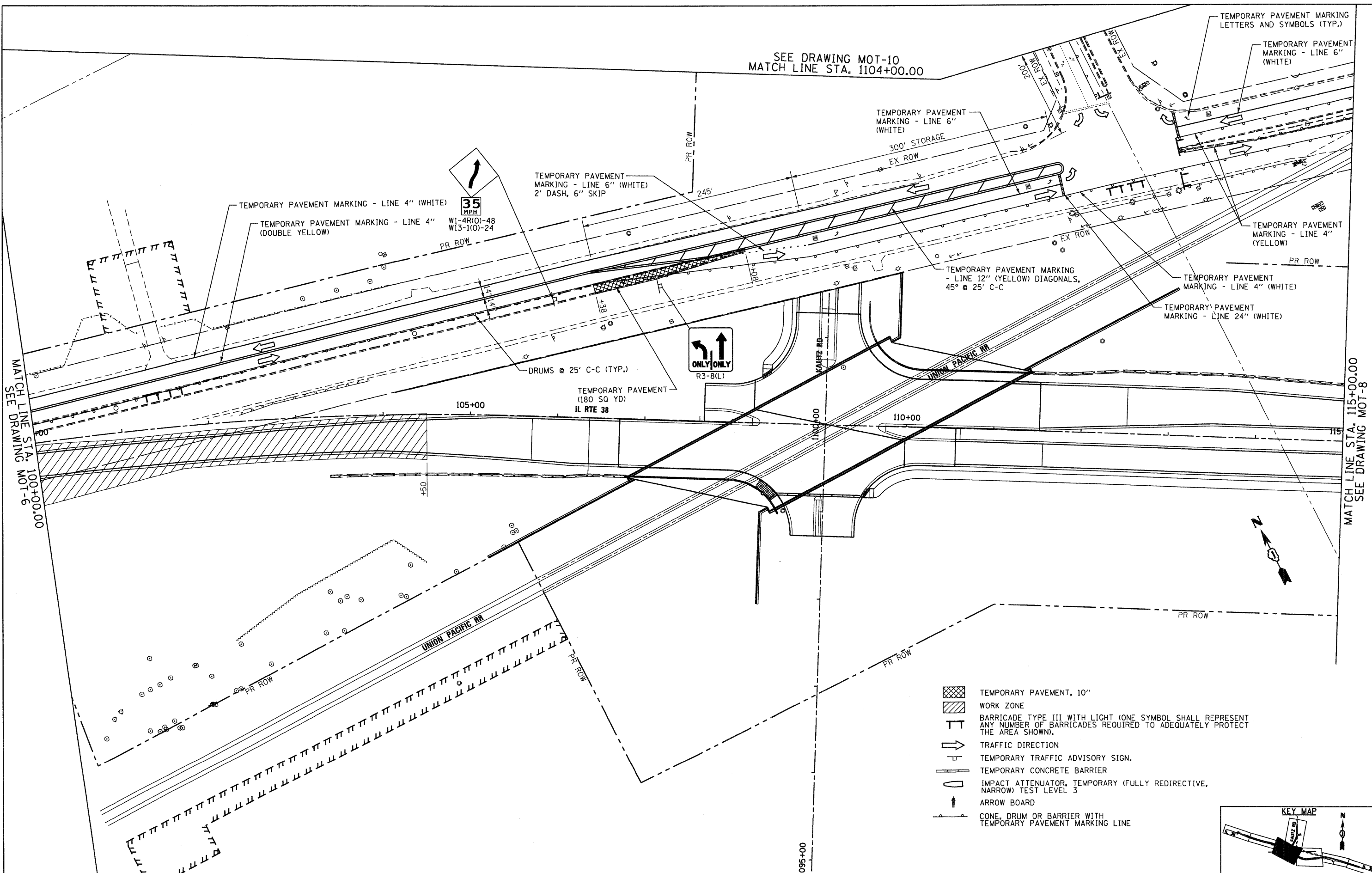
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 2**

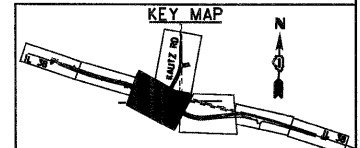
SCALE: 1"=50' SHEET NO. 6 OF 17 SHEETS STA. BEGIN TO STA. 100+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 47
MOT-6		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SEE DRAWING MOT-10
MATCH LINE STA. 1104+00.00



- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRIER WITH TEMPORARY PAVEMENT MARKING LINE



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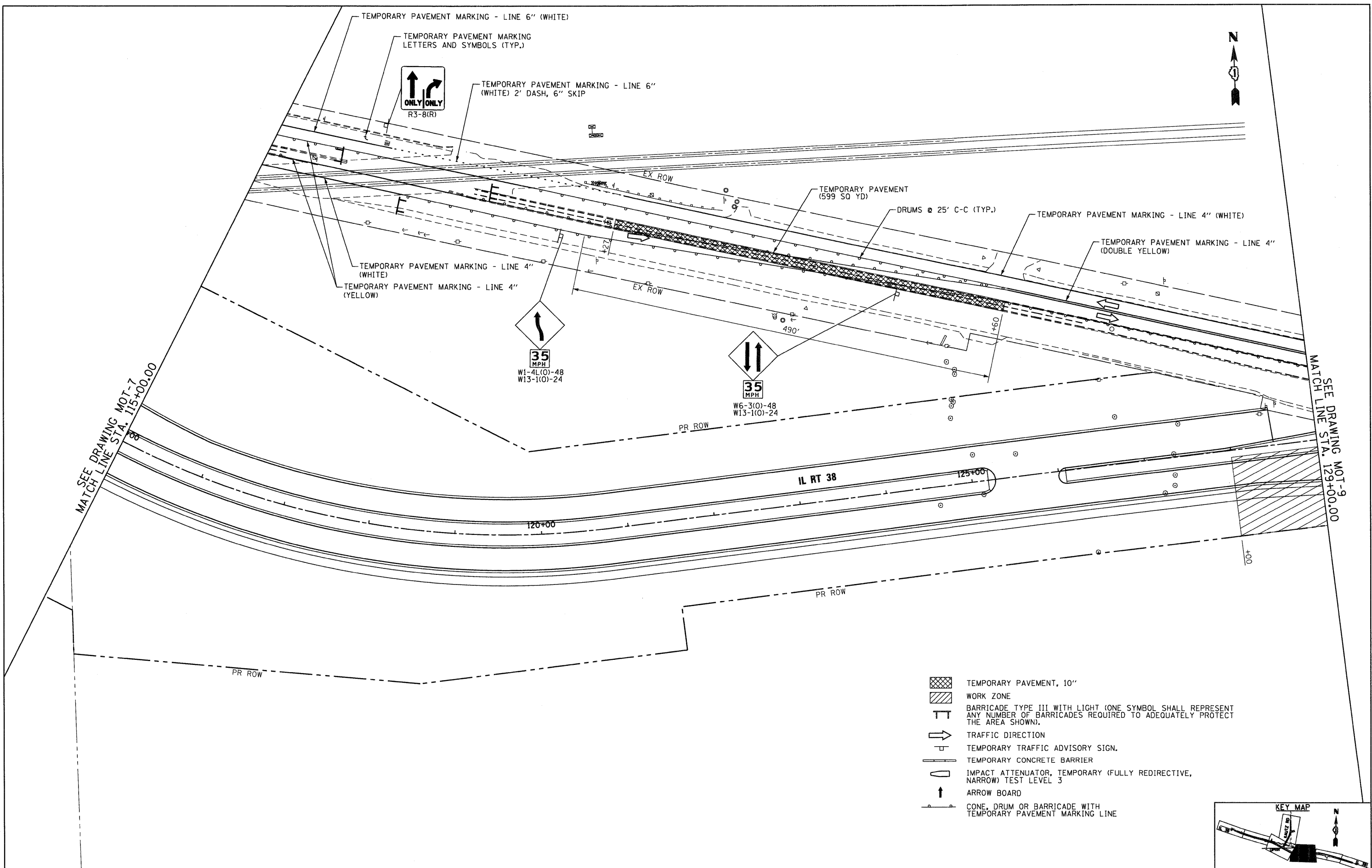
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		DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. 7 OF 17 SHEETS STA. 100+00 TO STA. 115+00

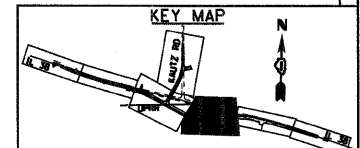
F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 48
MOT-7		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



MATCH SEE DRAWING MOT-7
 MATCH LINE STA. 115+00.00

SEE DRAWING MOT-9
 MATCH LINE STA. 129+00.00

- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE

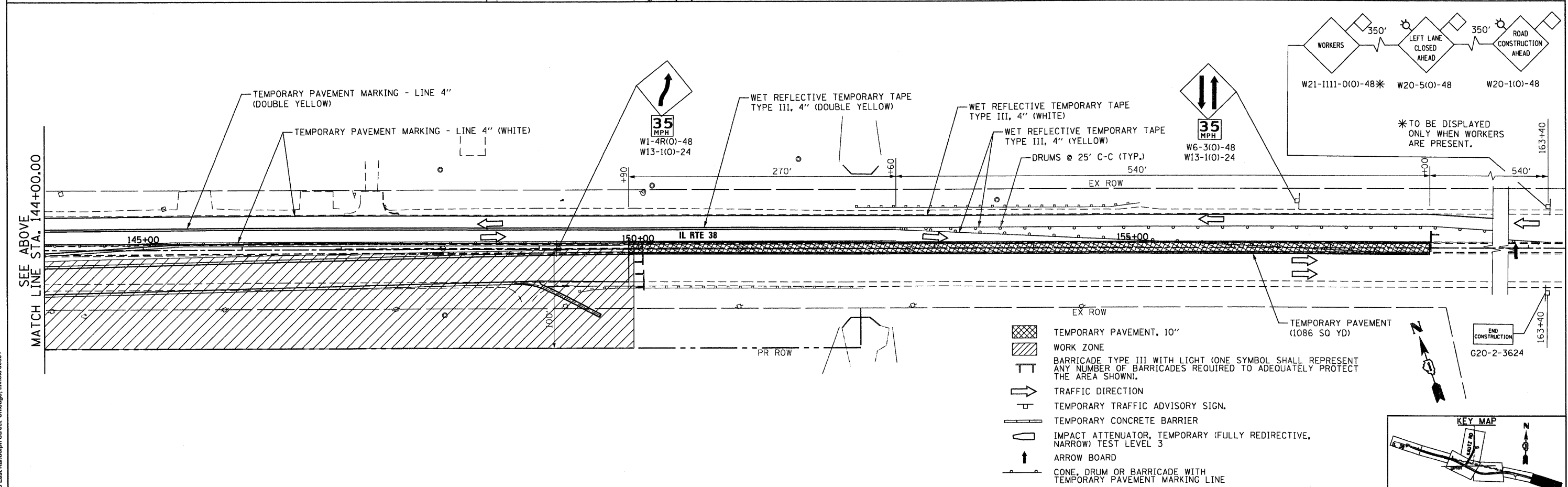
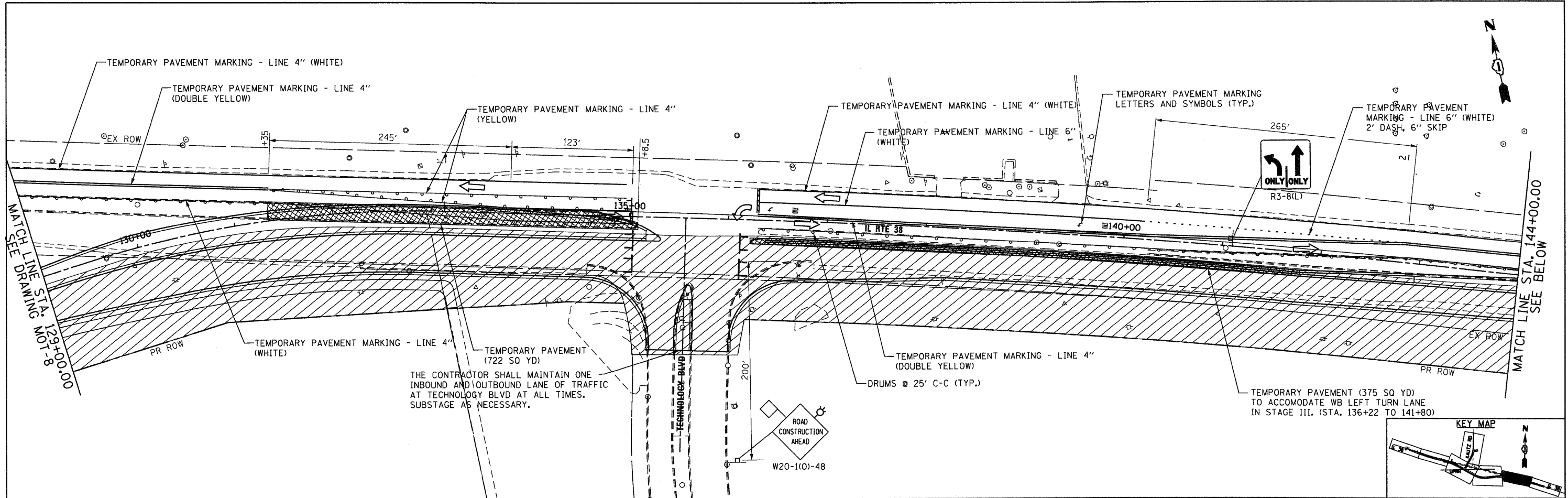


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PLOT DATE = 10/14/2011			

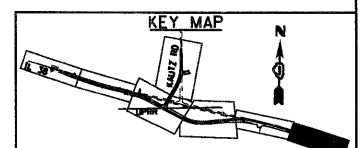
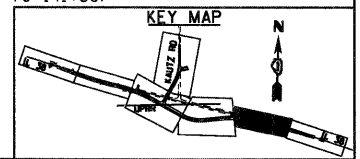
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2	
SCALE: 1"=50'	SHEET NO. 8 OF 17 SHEETS
STA. 115+00	TO STA. 129+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 49
MOT-8			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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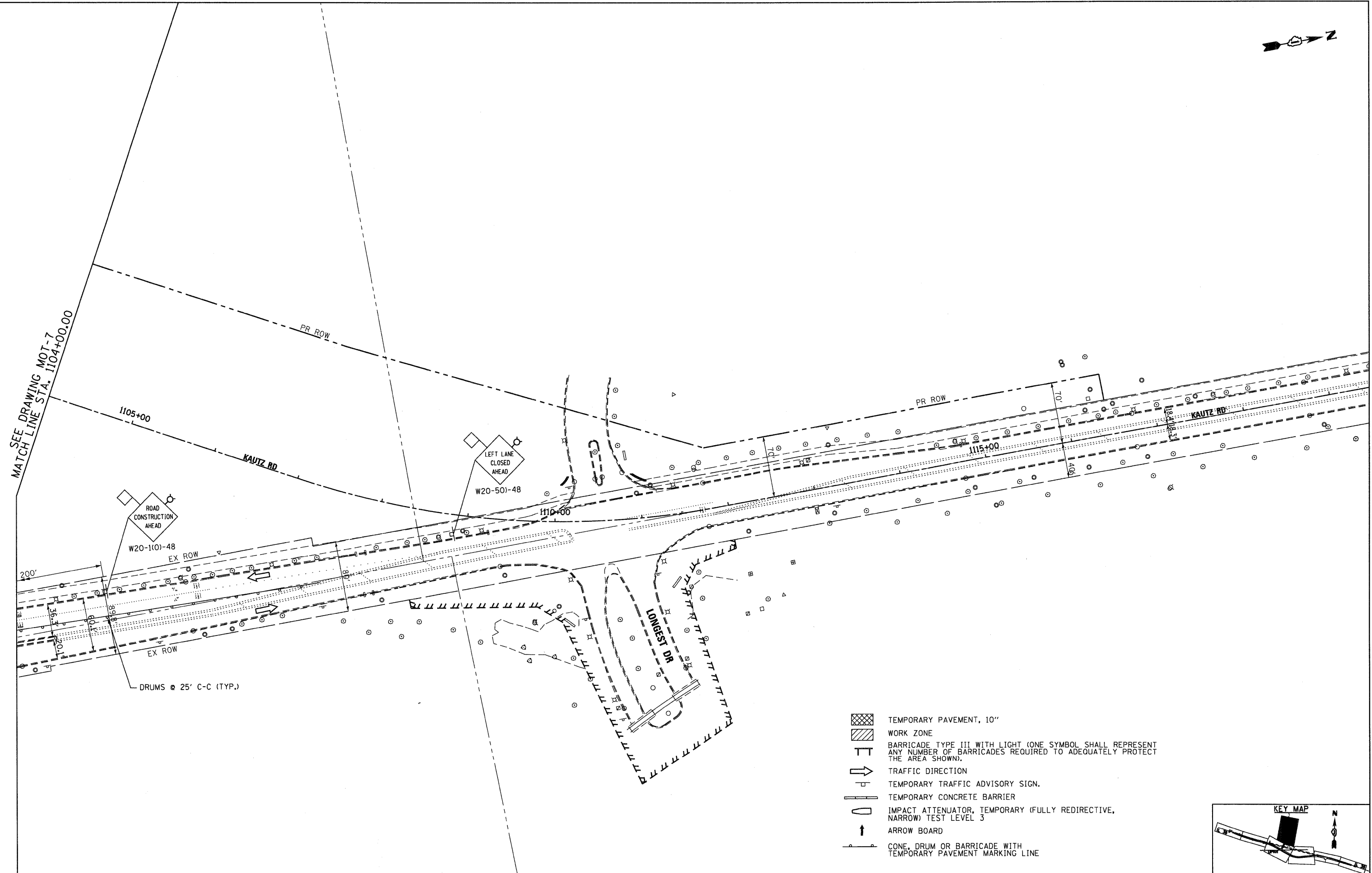
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

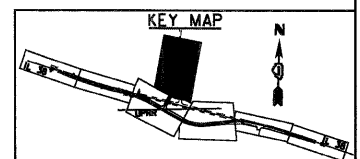
MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1"=50' SHEET NO. 9 OF 17 SHEETS STA. 129+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 50
MOT-9			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- TEMPORARY PAVEMENT, 10'
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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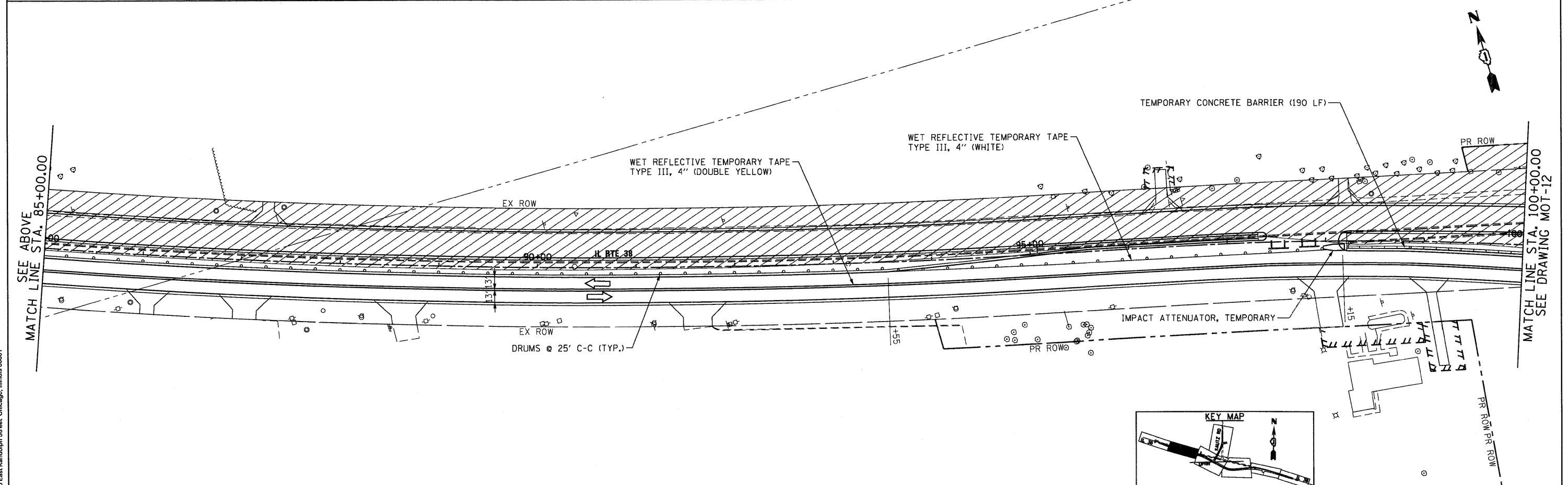
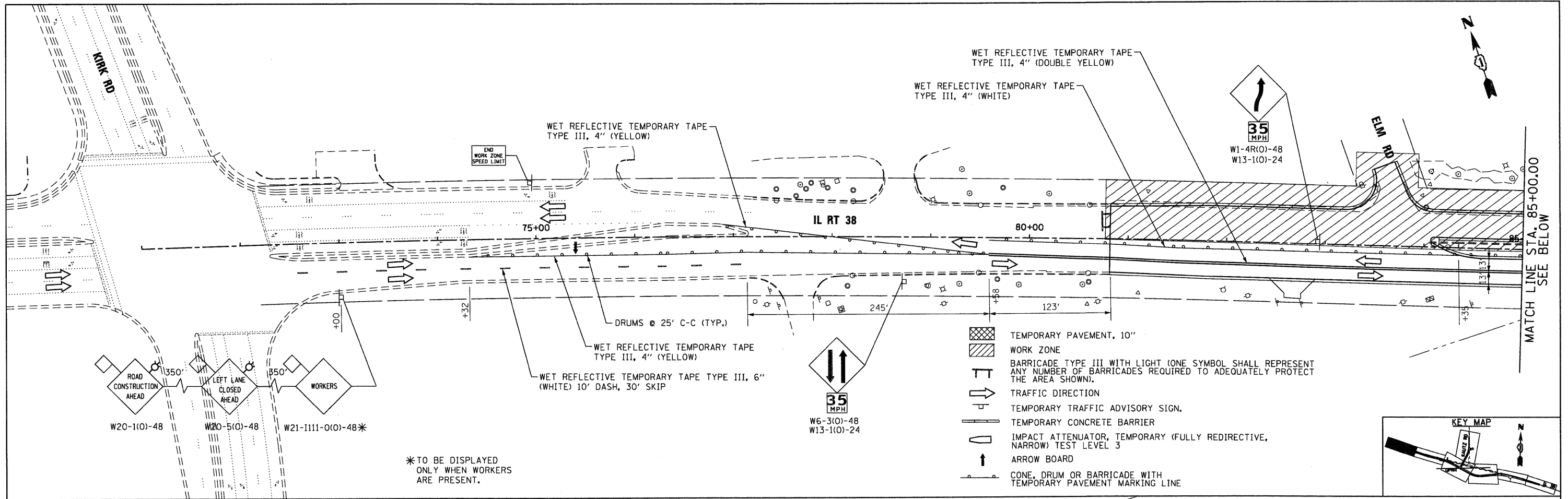
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 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 STAGE 2

SCALE: 1"=50' SHEET NO. 10 OF 17 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	51
MOT-10		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

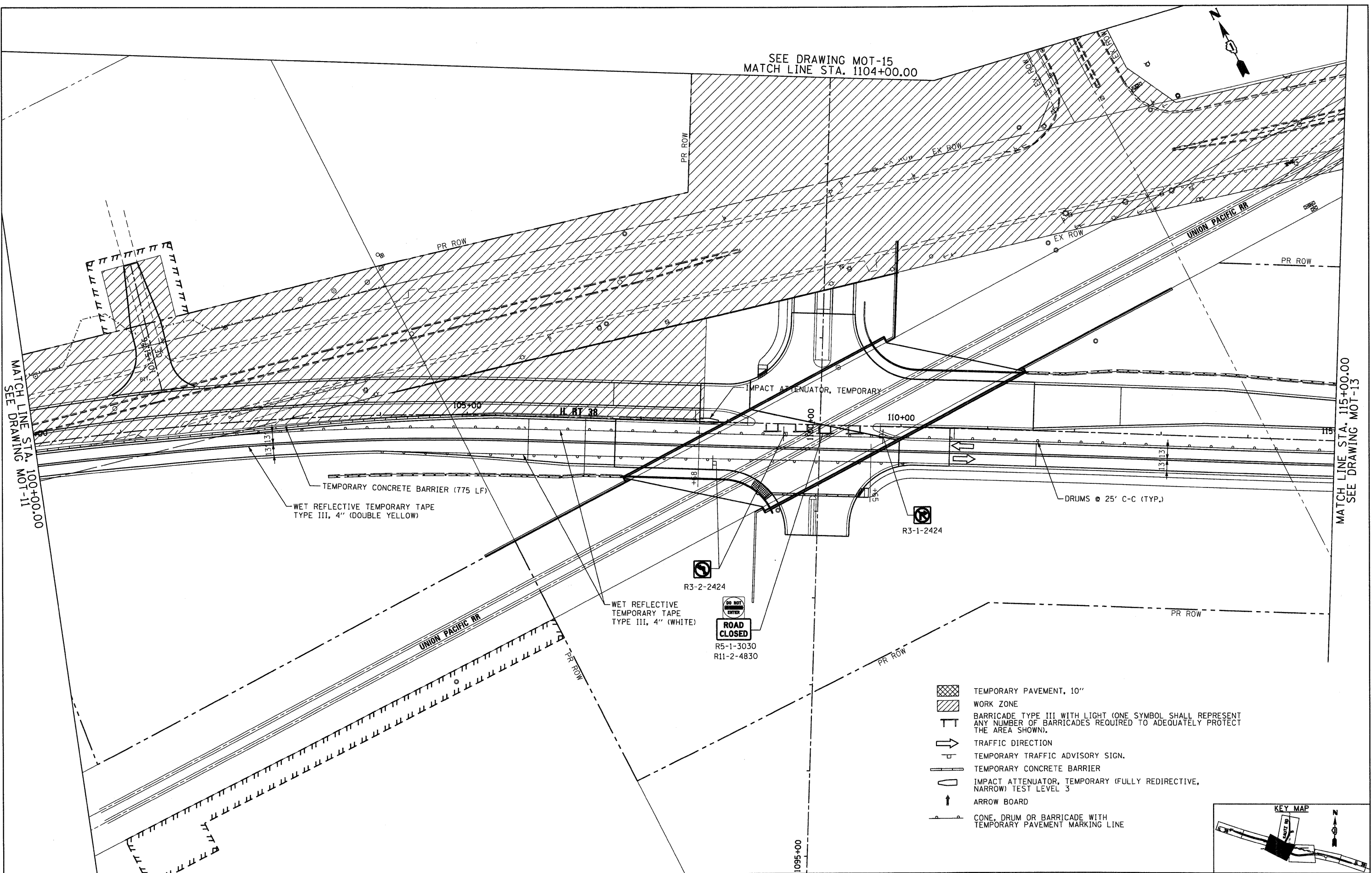
MAINTENANCE OF TRAFFIC STAGE 3	
SCALE: 1"=50'	SHEET NO. 11 OF 17 SHEETS
STA. BEGIN	TO STA. 100+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 52
MOT-11		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

SEE DRAWING MOT-15
MATCH LINE STA. 1104+00.00

MATCH LINE STA. 100+00.00
SEE DRAWING MOT-11

MATCH LINE STA. 115+00.00
SEE DRAWING MOT-13

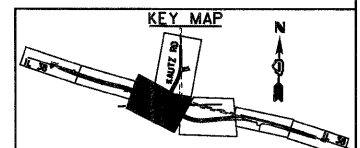


TEMPORARY CONCRETE BARRIER (775 LF)
WET REFLECTIVE TEMPORARY TAPE
TYPE III, 4" (DOUBLE YELLOW)

WET REFLECTIVE
TEMPORARY TAPE
TYPE III, 4" (WHITE)
R3-2-2424
R5-1-3030
R11-2-4830
ROAD CLOSED

R3-1-2424

- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 3

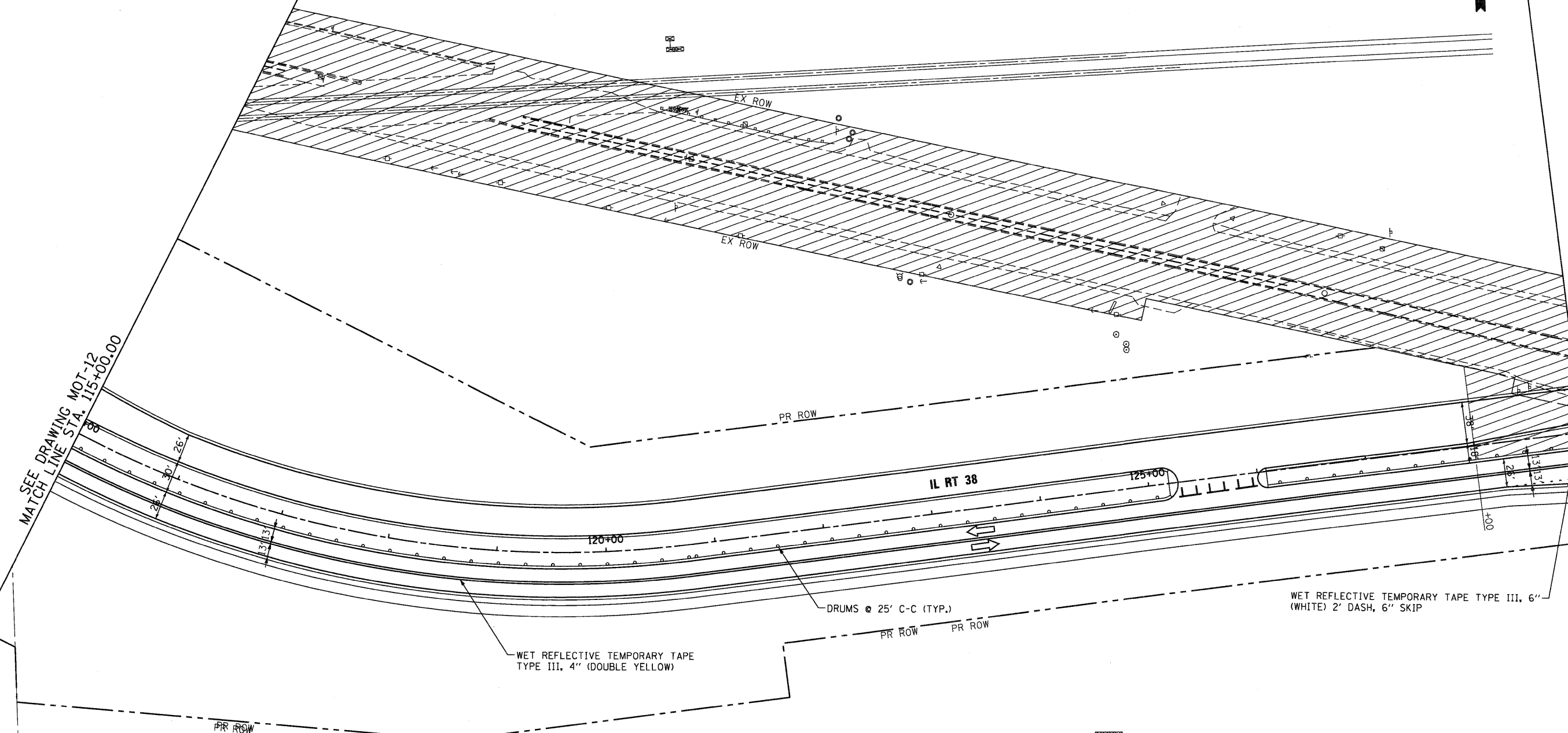
SCALE: 1"=50' SHEET NO. 12 OF 17 SHEETS STA. 100+00 TO STA. 115+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 53
MOT-12			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



SEE DRAWING MOT-12
MATCH LINE STA. 115+00.00










SEE DRAWING MOT-14
MATCH LINE STA. 129+00.00

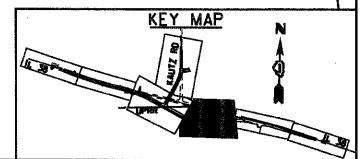


WET REFLECTIVE TEMPORARY TAPE
TYPE III, 4" (DOUBLE YELLOW)

DRUMS @ 25' C-C (TYP.)

WET REFLECTIVE TEMPORARY TAPE TYPE III, 6"
(WHITE) 2' DASH, 6" SKIP

-  TEMPORARY PAVEMENT, 10"
-  WORK ZONE
-  BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
-  TRAFFIC DIRECTION
-  TEMPORARY TRAFFIC ADVISORY SIGN.
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
-  ARROW BOARD
-  CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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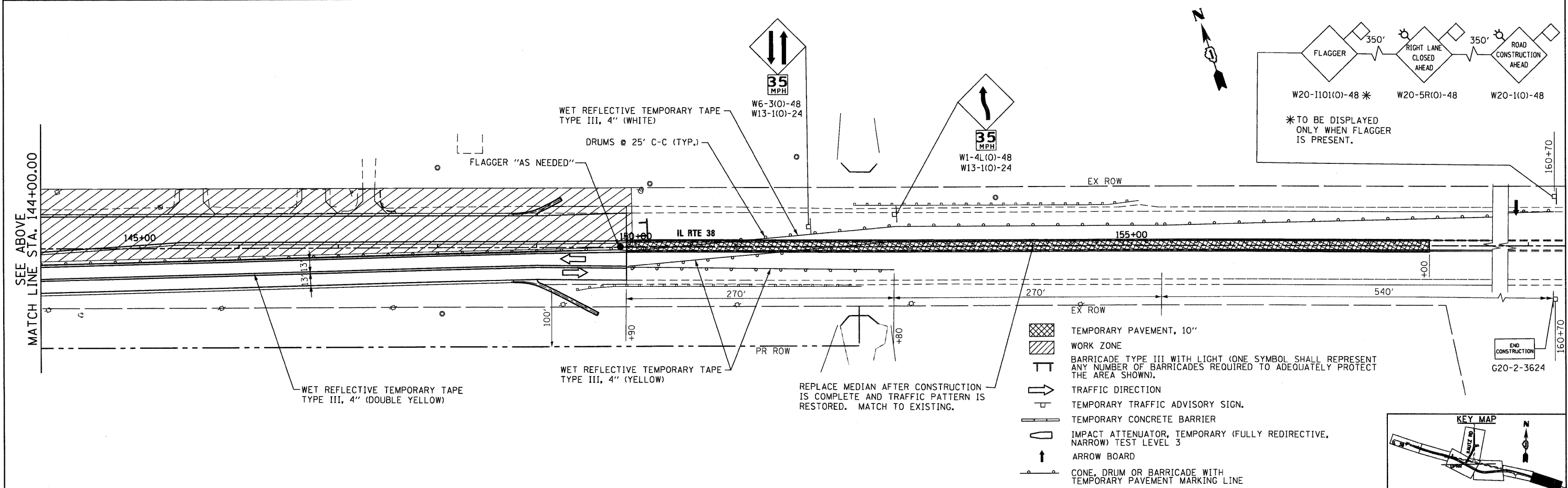
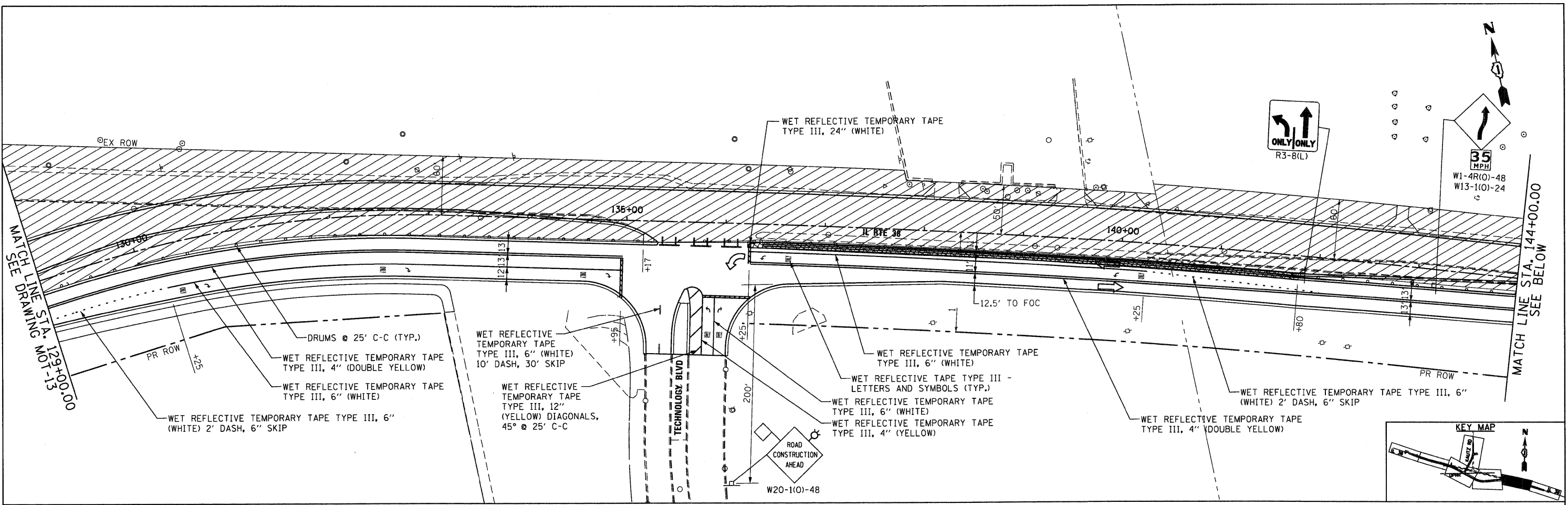
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CHECKED - EJG	REVISED -
DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 13 OF 17 SHEETS STA. 115+00 TO STA. 129+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	54
MOT-13			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

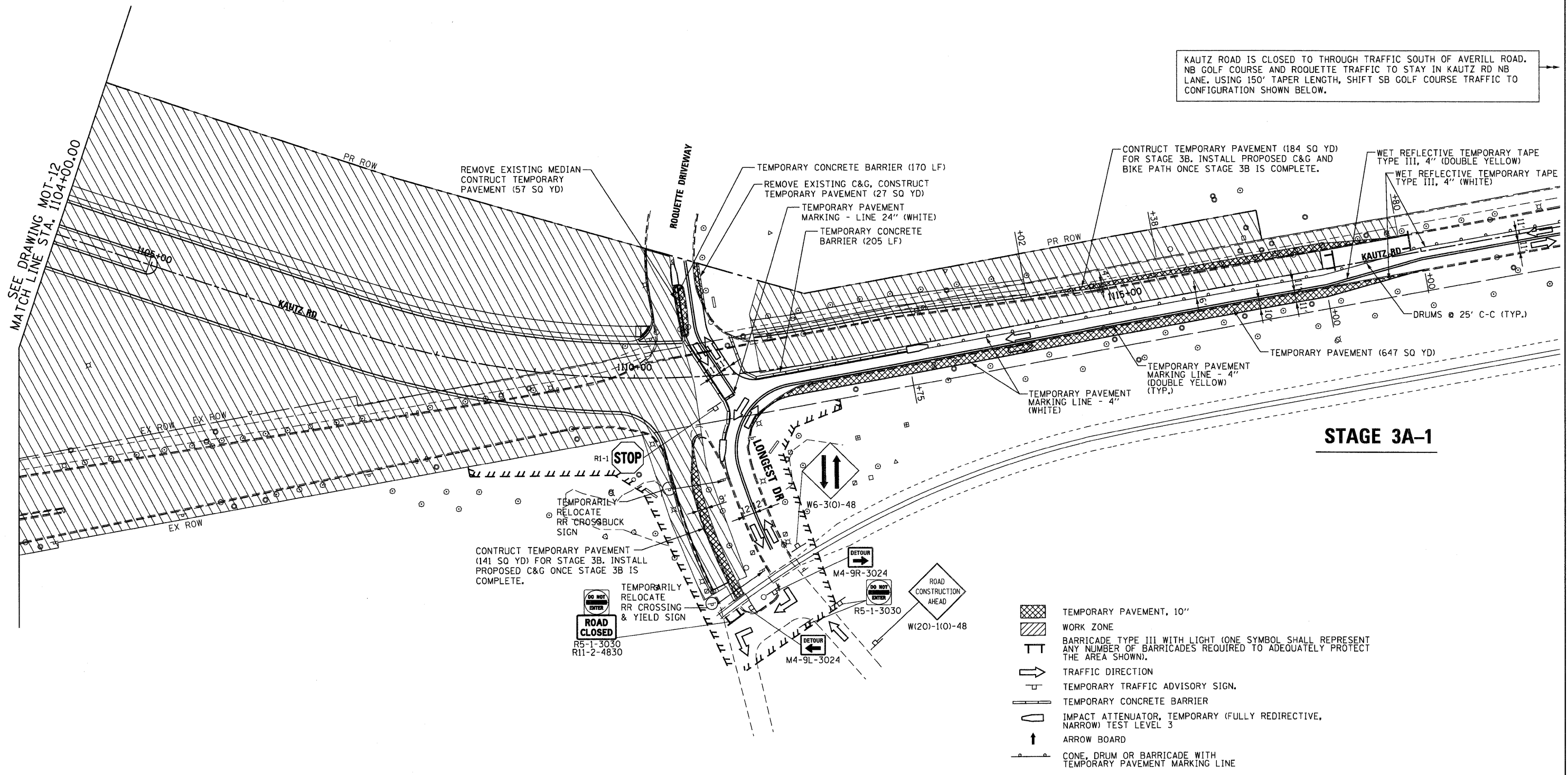


- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE

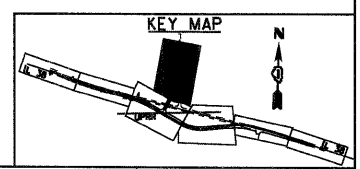
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PLOT SCALE = 1/80	CHECKED - EJC	DRAWN - KBN	REVISED -			SCALE: 1"=50'	SHEET NO. 14 OF 17 SHEETS	STA. 129+00 TO STA. END	MOT-14		CONTRACT NO. 60122
PLOT DATE = 10/14/2011	DATE - 10/14/11	CHECKED - EJC	REVISED -			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT					
		DATE - 10/14/11	REVISED -								



KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. NB GOLF COURSE AND ROUQUETTE TRAFFIC TO STAY IN KAUTZ RD NB LANE. USING 150' TAPER LENGTH, SHIFT SB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.



STAGE 3A-1



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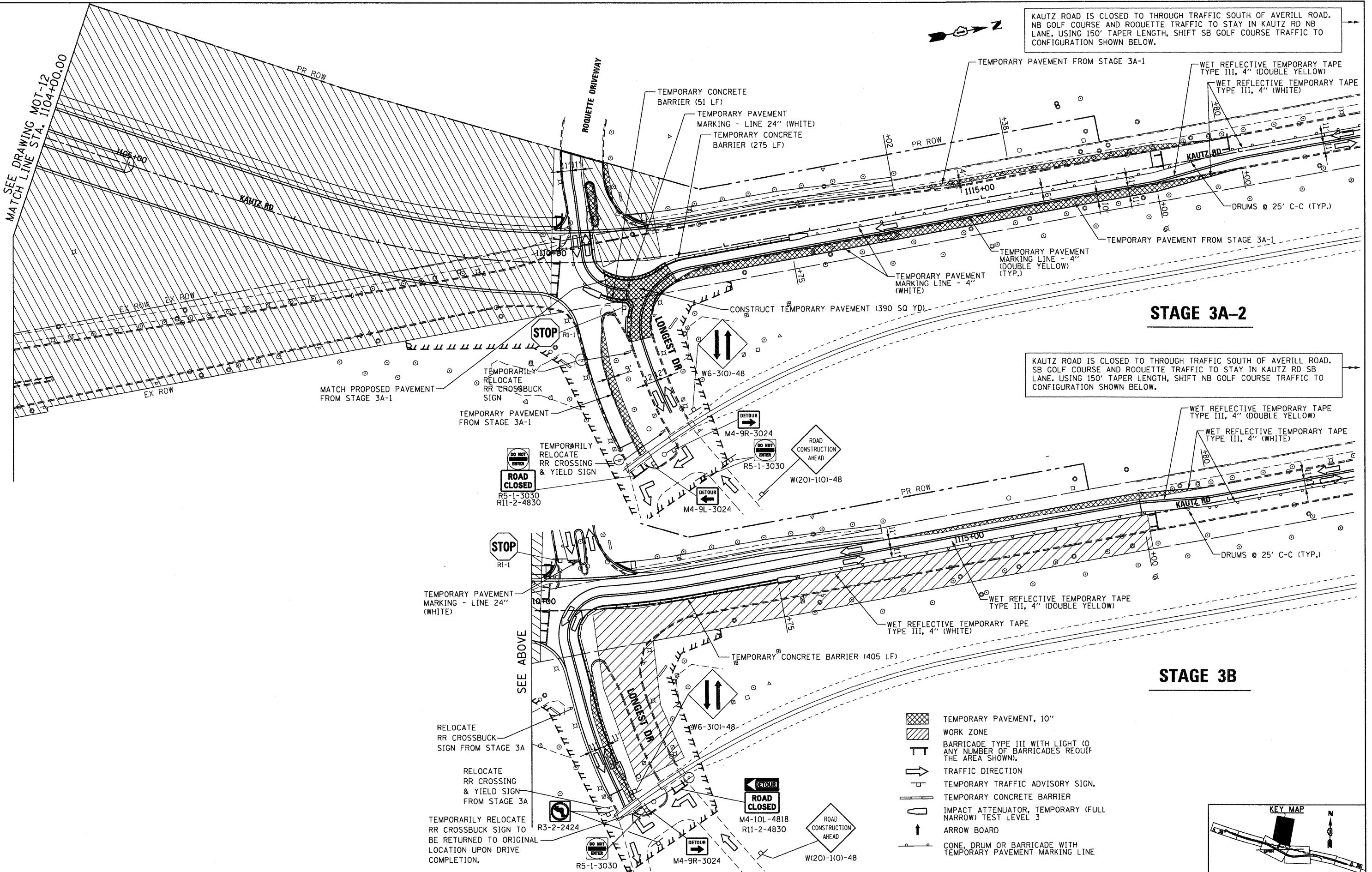
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		DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 15 OF 17 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 56
MOT-15		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



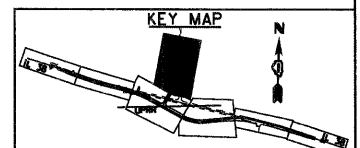
KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. NB GOLF COURSE AND ROQUETTE TRAFFIC TO STAY IN KAUTZ RD NB LANE. USING 150' TAPER LENGTH, SHIFT SB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.

KAUTZ ROAD IS CLOSED TO THROUGH TRAFFIC SOUTH OF AVERILL ROAD. SB GOLF COURSE AND ROQUETTE TRAFFIC TO STAY IN KAUTZ RD SB LANE. USING 150' TAPER LENGTH, SHIFT NB GOLF COURSE TRAFFIC TO CONFIGURATION SHOWN BELOW.

STAGE 3A-2

STAGE 3B

- TEMPORARY PAVEMENT, 10"
- WORK ZONE
- BARRICADE TYPE III WITH LIGHT (0 ANY NUMBER OF BARRICADES REQ'U THE AREA SHOWN).
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC ADVISORY SIGN.
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR, TEMPORARY (FULL NARROW) TEST LEVEL 3
- ARROW BOARD
- CONE, DRUM OR BARRICADE WITH TEMPORARY PAVEMENT MARKING LINE



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 730 East Randolph Street Chicago, Illinois 60601

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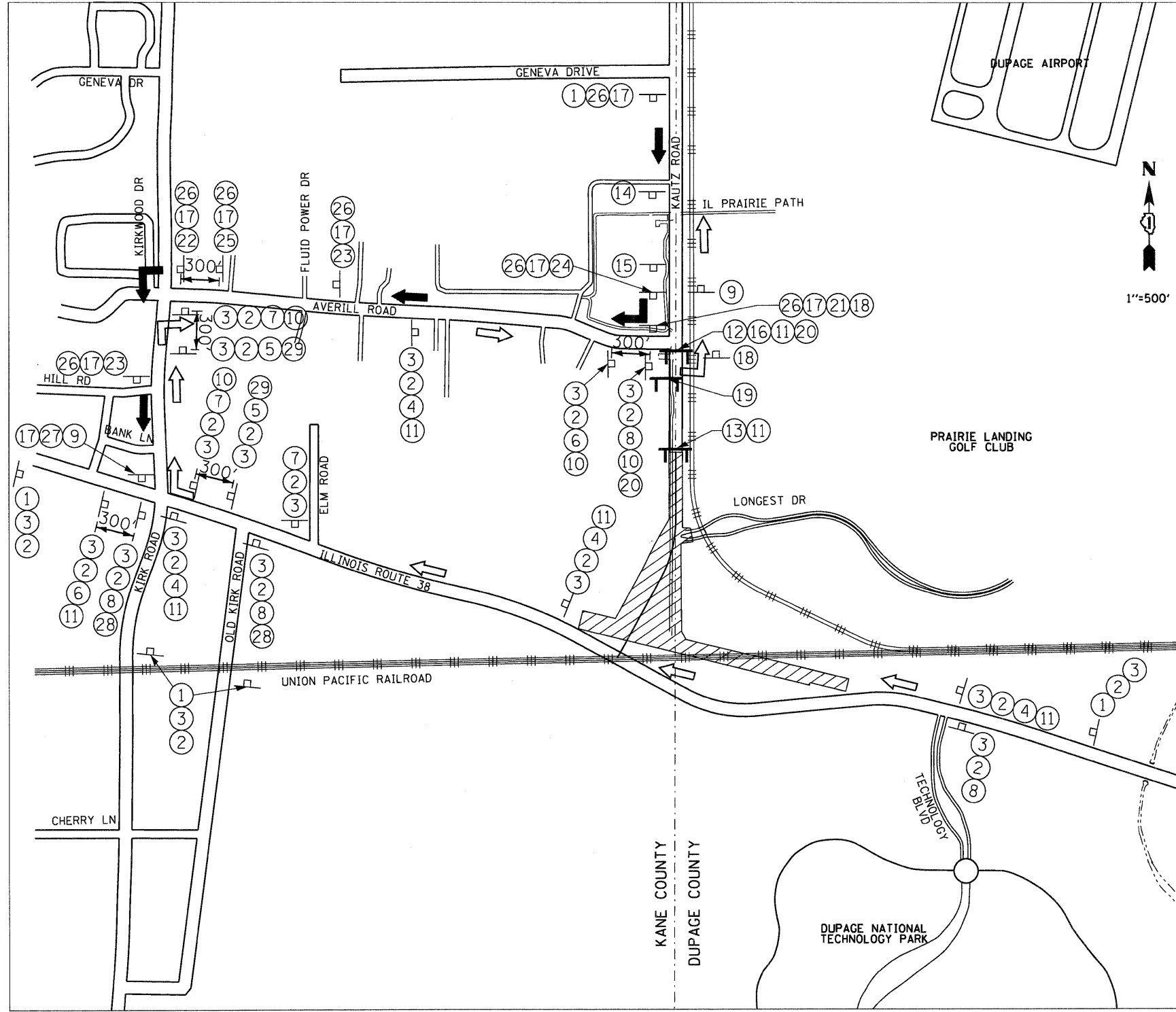
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CHECKED - EJC	REVISED -
DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 16 OF 17 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 57
MOT-16			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



① W 20-2 48"x48"	② 36"x12"	③ M3-1 24"x12"	④ M4-9 S 30"x24"	⑤ M4-9AR 30"x24"		
⑥ M4-9AL 30"x24"	⑦ M4-9R 30"x24"	⑧ M4-9L 30"x24"	⑨ M4-8A 24"x18"			
⑩ 36"x36"		⑪ 36"x36"				
⑫ M4-10R 48"x18"	⑬ R11-2 48"x30"	⑭ W20-3 48"x48"	⑮ W20-3 48"x48"			
⑯ R11-4 60"x30"	⑰ 24"x24"	⑱ R1-1 30"x30"	⑲ 24"x18"	⑳ 48"x30"		
⑳ M6-1(R) 21"x15"	㉑ M6-1(L) 21"x15"	㉒ M6-3 21"x15"	㉓ M5-1(R) 21"x15"	㉔ M5-1(L) 21"x15"	㉕ M4-5 21"x15"	㉖ M6-4 21"x15"
㉘ 36"x36"		㉙ 36"x36"				

LEGEND

WORK ZONE

BARRICADE TYPE III WITH LIGHT (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).

BARRICADE TYPE I OR TYPE II OR DRUMS, WITH STEADY-BURNING LIGHT. (SEE APPLICABLE I.D.O.T. STANDARD FOR SPACING).

TEMPORARY TRAFFIC ADVISORY SIGN.

SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).

DIRECTION OF NORTHBOUND TEMPORARY TRAFFIC

DIRECTION OF SOUTHBOUND TEMPORARY TRAFFIC

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 Engineers/Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = D168122-SHT-STAGING17.dgn	USER NAME = YKlm	DESIGNED - KBN	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - DETOUR PLAN	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 58	
		DRAWN - KBN	REVISIONS			SCALE: NONE	SHEET NO. 17 OF 17 SHEETS	MOT-17		CONTRACT NO. 60122	
		CHECKED - EJC	REVISIONS			STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
		DATE - 10/14/11	REVISIONS								

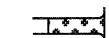
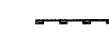
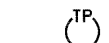
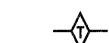
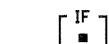
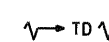
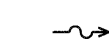

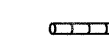
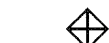


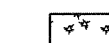
EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE WORK DESCRIBED ON THESE DRAWINGS IS AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS ON DOWNSTREAM AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
5. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
6. ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
7. A MAXIMUM OF 10 ACRES MAY BE IN SOME STAGE OF GRADING AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 10 ACRES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.
 - (A) WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 10 ACRES OF GRADING AT A TIME. THE 10 ACRE LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS AND STORAGE AREAS.
 - (B) VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
 - IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
 - THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE THE WORK ON TIME.
 - THE CONTRACTOR MUST COMPLY WITH ALL OTHER CONTRACT REQUIREMENTS.
8. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WITHIN 7 DAYS WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
9. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10 FEET VERTICALLY OR THE FINISHED SLOPE EQUALS 30 FEET, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
10. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND IS TO HAVE TAKEN AN APPROVED EROSION AND SEDIMENT CONTROL COURSE. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 0.5 INCH, OR SNOW FALL EQUIVALENT.

11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. TRAPS WILL BE CLEANED WHEN THEY ARE 50% FILLED, SILT FENCE & STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIALS EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN THE VICINITY OF THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER THE DEPARTMENT WILL ASSUME THE COSTS OF THE CONTROLS.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
 - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
17. SEEDING USAGE
 - CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.
 - CLASS 4 USED ON EMBANKMENT SLOPED AND AT PROPOSED DITCHES.
 - CLASS 4B (MODIFIED) USED AT PROPOSED POND.
 - CLASS 7 USED ON LONG TERM TEMPORARY SEEDING AND FOR WINTER SHUTDOWN IN PLACE OF TEMPORARY EROSION CONTROL SEEDING.

TEMPORARY EROSION CONTROL SEEDING : USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
18. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE.

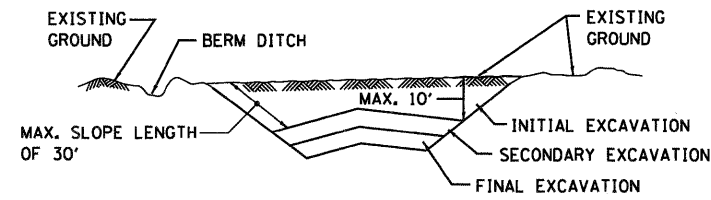
EROSION AND SEDIMENT CONTROL LEGEND

-  SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE
-  PERIMETER EROSION BARRIER
-  TREE TRUNK PROTECTION
-  DITCH CHECK TEMPORARY
-  INLET FILTER
-  TEMPORARY DITCH
-  DITCH FLOW
-  DEWATERING BASIN
-  TEMPORARY PIPE SLOPE DRAIN
-  INLET AND PIPE PROTECTION
-  SEDIMENT TRAP
-  EROSION CONTROL BLANKET WITH TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2

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FILE NAME = D:\60122-SHT-EROS01.dgn	USER NAME = YK:m	DESIGNED - JCL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL GENERAL NOTES AND LEGEND			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JCL	REVISED -					347	LY (HB & VB)	DUPAGE/KANE	421	59
		CHECKED - E.JG	REVISED -		SCALE: NONE		SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	EN-1 CONTRACT NO. 60122		
		DATE - 10/14/11	REVISED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							

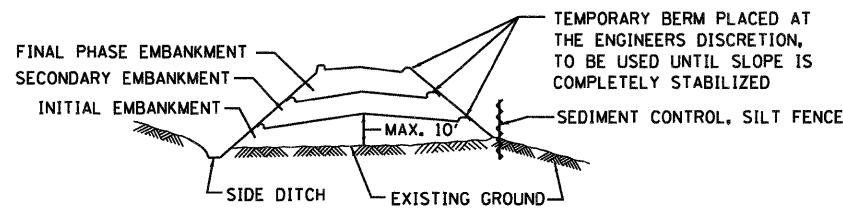
EXCAVATION PHASING PLAN-CUT SECTION



NOTES:

1. ALL CUT SLOPES SHALL BE EXCAVATED AND STABILIZED (PLACE TOPSOIL, PREPARE SEEDBED, APPLY SEED, PROTECT SLOPE WITH MULCH OR EROSION BLANKET) AS THE WORK PROGRESSES.
2. CONSTRUCTION SEQUENCE FOR EXCAVATION:
 - (A) EXCAVATE AND STABILIZE BERM, SIDE AND OUTLET DITCHES, PROVIDE SUITABLE EROSION CONTROLS FOR DITCHES.
 - (B) PERFORM INITIAL EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING.
 - (C) PERFORM SECONDARY EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING, OVERSEED INITIAL EXCAVATION AREA SLOPES, IF REQUIRED.
 - (D) PERFORM FINAL EXCAVATION, AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE. STABILIZE SURFACE DRAIN DITCHES. OVERSEED INITIAL AND SECONDARY SLOPES, IF REQUIRED, AS DETERMINED BY THE ENGINEER.
3. IF PERMANENT SEEDING CANNOT BE PLACED DUE TO CONTRACT REQUIREMENTS REGARDING PLANTING SEASONS, THE CUT SLOPE IS TO HAVE TOPSOIL PLACED AND SEEDBED PREPARED PRIOR TO USING TEMPORARY STABILIZATION WITH STRAW MULCH OR TEMPORARY SEEDING WITH EROSION BLANKET.
4. THE CONTRACTOR HAS THE OPTION OF DELAYING TOPSOIL AND/OR SEEDING BEYOND THE 10 FOOT VERTICAL LIMITATION (SEE GENERAL NOTE 9). IF SO, THE CUT SLOPE MUST BE TEMPORARILY STABILIZED AT NO COST TO THE DEPARTMENT.
5. ONCE THE EXCAVATION WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF SLOPE STABILIZATION MEASURES. ANY INTERRUPTIONS IN THE OPERATION 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATIONS OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

EMBANKMENT PHASING PLAN-FILL SECTION



NOTES:

1. THE EMBANKMENT WILL BE CONSTRUCTED IN LIFTS NOT TO EXCEED 10'. THE EMBANKMENT SLOPES WILL BE STABILIZED USING TEMPORARY MEASURES BEFORE BEGINNING THE NEXT LIFT.
2. UPON COMPLETION OF THE EMBANKMENT, TEMPORARY BERMS (EARTH) AND TEMPORARY PIPE SLOPE DRAINS SHALL BE CONSTRUCTED ALONG THE TOP EDGE(S) OF THE EMBANKMENT TO INTERCEPT SURFACE RUNOFF. INTERIM BERMS AND DRAINS SHALL BE USED WHEN DIRECTED BY THE ENGINEER.
3. CONSTRUCTION SEQUENCE FOR EMBANKMENT
 - (A) EXCAVATE AND STABILIZE SIDE DITCH AND/OR INSTALL PROPOSED PERIMETER CONTROLS AT THE TOE OF SLOPE.
 - (B) PLACE INITIAL EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - (C) PLACE SECONDARY EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - (D) PLACE FINAL EMBANKMENT AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE.
4. ONCE THE PLACEMENT OF FILL WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF PERMANENT VEGETATIVE PLAN. ANY INTERRUPTIONS IN THE OPERATION OF 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATION OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

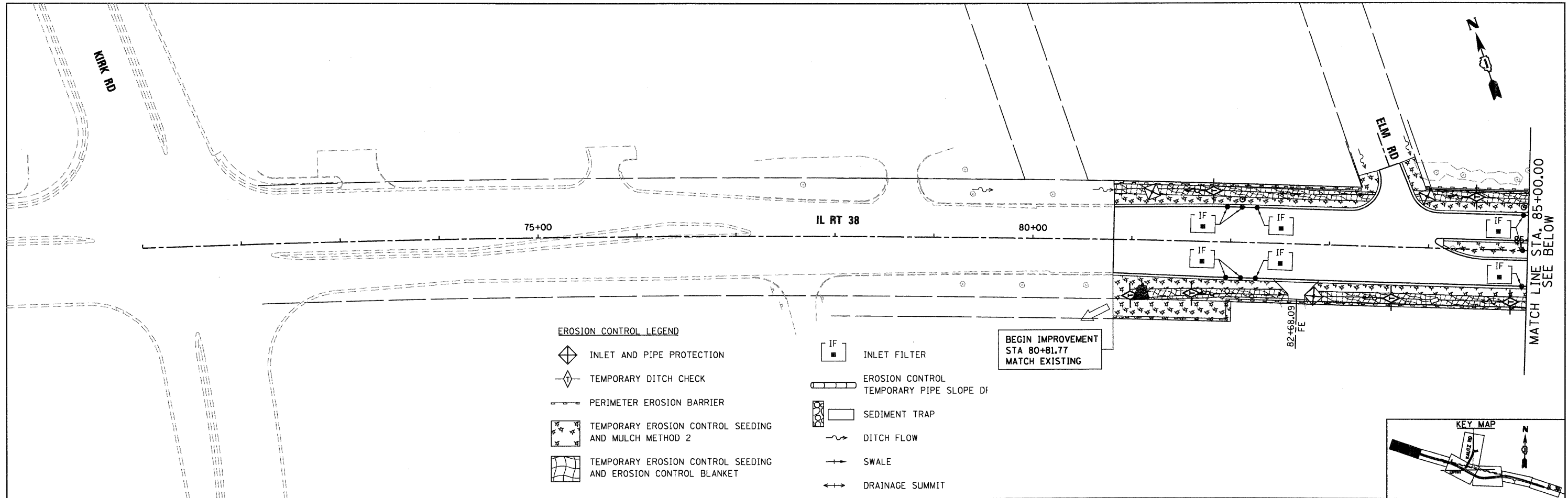
EROSION AND SEDIMENT CONTROL (ESC) STRATEGY

DISTURBED AREA: 52.9 ACRES
RECEIVING WATERS: KRESS CREEK

1. ERECT PERIMETER EROSION BARRIER AS SHOWN ON THE PLANS.
2. ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
3. CLEAR AND GRUB, REMOVE EXISTING TREES AS NECESSARY.
4. INSTALL INLET FILTERS AND INLET & PIPE PROTECTION AS SHOWN ON THE PLANS.
5. INSTALL TEMPORARY DITCH CHECKS AT 18" VERTICAL INTERVALS.
6. INSTALL SEDIMENT TRAP.
7. STABILIZE DISTURBED AREAS WITH MULCH METHOD 2 OR EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING AS SHOWN ON THE PLANS.
8. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
9. WHEN FINAL STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY MEASURES.

EROSION AND SEDIMENT CONTROL SCHEDULE

	25100115	28000250	28000305	28000500	28000510	28000400	28100105	28200200	28000200	X0324044	25100630
	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	INLET FILTERS	PERIMETER EROSION BARRIER	STONE RIPRAP, CLASS A3	FILTER FABRIC	EARTH EXCAVATION FOR EROSION CONTROL	EROSION CONTROL TEMPORARY PIPE SLOPE DRAIN	EROSION CONTROL BLANKET
	ACRE	POUND	FOOT	EACH	EACH	FOOT	SQ YD	SQ YD	CU YD	EACH	SQ YD
SHEET											
EC-1 (TOP)	0.30	61	120	3	9	788	-	-	-	-	6,950
EC-1 (BOTTOM)	1.63	326	440	5	23	2,922	-	-	-	-	28,831
EC-2	12.82	2,564	480	2	30	9,695	33	33	-	11	15,719
EC-3	7.63	1,527	440	-	21	5,597	6	6	-	2	28,083
EC-4 (TOP)	1.95	-	340	3	30	2,761	-	-	-	-	25,461
EC-4 (BOTTOM)	1.13	-	200	3	6	1,381	20	15	270	-	12,661
EC-5	4.28	-	200	2	14	4,384	9	9	-	3	8,698
SUB-TOTAL	29.80	4,480	2,220	18	133	27,530	70	65	270	16	126,403
AT THE ENGINEER'S DISCRETION	3.00	450	222	2	14	2,755	7	7	27	2	12,641
GRAND TOTAL	32.80	4,930	2,443	20	147	30,285	77	72	297	18	139,044

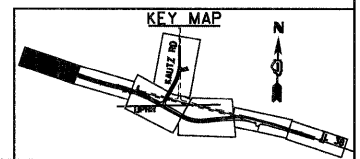


EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2
- TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET
- INLET FILTER
- EROSION CONTROL TEMPORARY PIPE SLOPE DETAIL
- SEDIMENT TRAP
- DITCH FLOW
- SWALE
- DRAINAGE SUMMIT

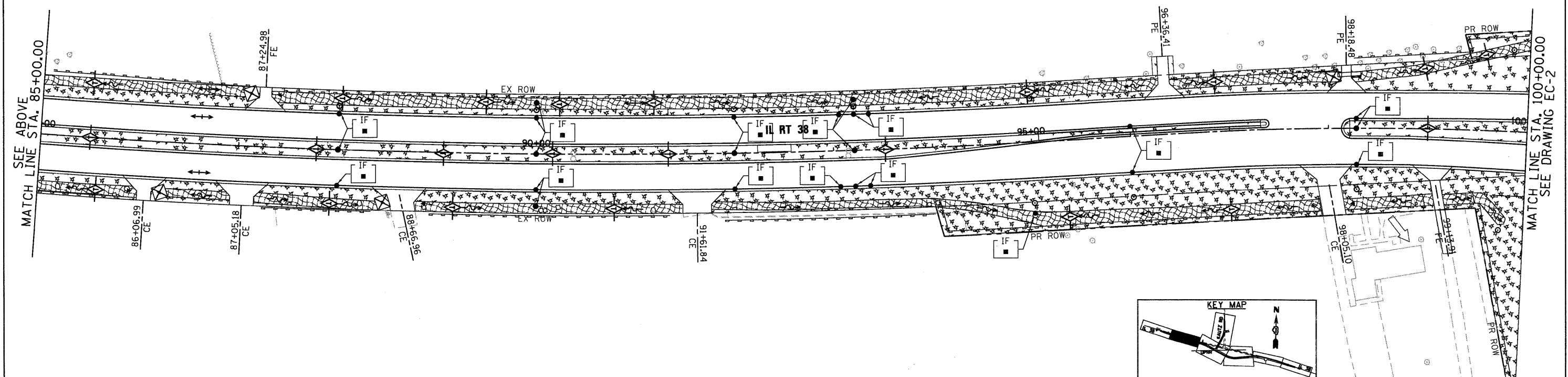
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STA 80+81.77
MATCH EXISTING

MATCH LINE STA. 85+00.00
SEE BELOW



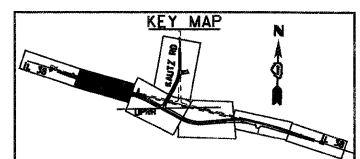
NOTES:

1. "SEDIMENT TRAP" SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED-1 FOR DETAILS.
2. PERIMETER EROSION BARRIER HAS BEEN OFFSET FOR CLARITY.



SEE ABOVE
MATCH LINE STA. 85+00.00

MATCH LINE STA. 100+00.00
SEE DRAWING EC-2



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FILE NAME = D:\68122-SHT-EROS11.dgn	USER NAME = YK1m	DESIGNED - JCL	REVISED -
		DRAWN - JCL	REVISED -
		CHECKED - EJG	REVISED -
		DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 1 OF 5 SHEETS STA. BEGIN TO STA. 100+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 61
EC-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

EROSION CONTROL LEGEND

◆ INLET AND PIPE PROTECTION

◇ TEMPORARY DITCH CHECK

— PERIMETER EROSION BARRIER

▨ TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2

▩ TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET

IF INLET FILTER

▭ EROSION CONTROL TEMPORARY PIPE SLOPE DRAIN

▭ SEDIMENT TRAP

~ DITCH FLOW

→ SWALE

↔ DRAINAGE SUMMIT

WETLAND SITE 2
IMPACTED AREA = 0.22 AC.
TOTAL AREA = 0.22 AC.
FOI = 4.5

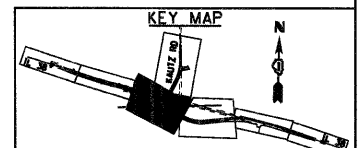
WETLAND SITE 1
IMPACTED AREA = 1.19 AC.
TOTAL AREA = 1.25 AC.
FOI = 11.5

WETLAND SITE 10
IMPACTED AREA = 0.12 AC.
TOTAL AREA = 0.12 AC.
FOI = N/A

WETLAND SITE 3
IMPACTED AREA = 0.00 AC.
TOTAL AREA = 0.61 AC.
FOI = 2.0

NOTES:

- "SEDIMENT TRAP" SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED-1 FOR DETAILS.
- PERIMETER EROSION BARRIER HAS BEEN OFFSET FOR CLARITY.



SEE DRAWING EC-5
MATCH LINE STA. 1104+00.00

MATCH LINE STA. 100+00.00
SEE DRAWING EC-1

MATCH LINE STA. 115+00.00
SEE DRAWING EC-3

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FILE NAME =
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DESIGNED - JCL
DRAWN - JCL
CHECKED - EJC
DATE - 10/14/11

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

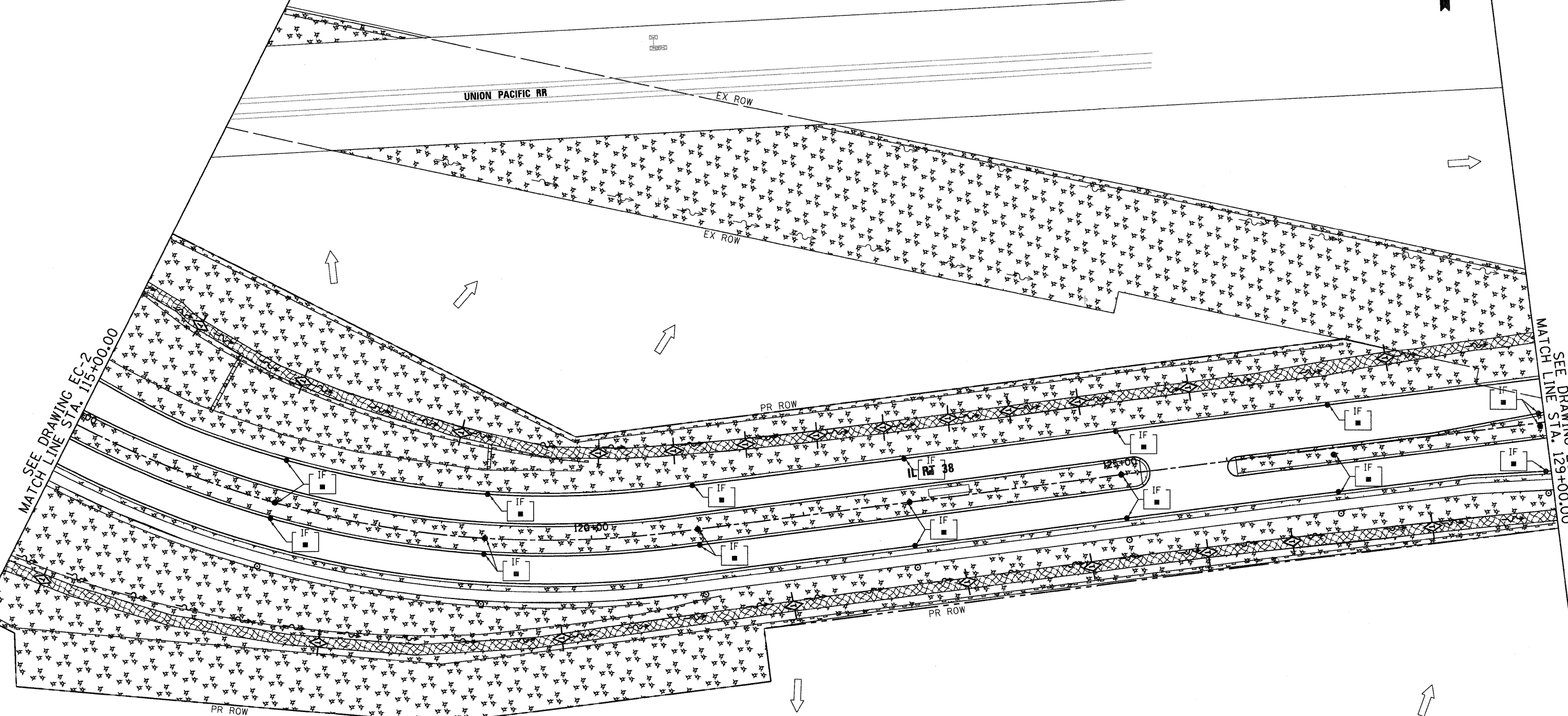
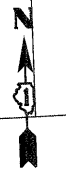
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. 100+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	62
EC-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

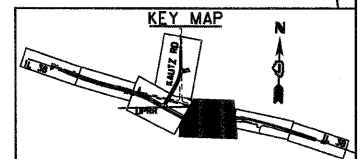
NOTES:

1. "SEDIMENT TRAP" SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED-1 FOR DETAILS.
2. PERIMETER EROSION BARRIER HAS BEEN OFFSET FOR CLARITY.



EROSION CONTROL LEGEND

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2
- TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET
- INLET FILTER
- EROSION CONTROL TEMPORARY PIPE SLOPE DRAIN
- SEDIMENT TRAP
- DITCH FLOW
- SWALE
- DRAINAGE SUMMIT



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		DRAWN - JCL	REVISED -
		CHECKED - EUG	REVISED -
		DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN			
SCALE: 1"=50'	SHEET NO. 3 OF 5 SHEETS	STA. 115+00 TO STA. 129+00	

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 63
EC-3 CONTRACT NO. 60122 <small>FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT</small>				

WETLAND SITE 6
 IMPACTED AREA = 0.0 AC.
 TOTAL AREA = 0.13 AC.
 FOI = 12.1












WETLAND SITE 11
 IMPACTED AREA = 0.0049 AC.
 TOTAL AREA = 0.70 AC.
 FOI = 12.0

WETLAND SITE 11
 IMPACTED AREA = 0.0049 AC.
 TOTAL AREA = 0.70 AC.
 FOI = 12.0

NOTES:

- "SEDIMENT TRAP" SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED-1 FOR DETAILS.
- PERIMETER EROSION BARRIER HAS BEEN OFFSET FOR CLARITY.

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING AND MULCH METHOD 2
-  TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET
-  INLET FILTER
-  EROSION CONTROL TEMPORARY PIPE SLOPE DRAIN
-  SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

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PLOT DATE = 10/14/2011	CHECKED - E.JG	REVISED -
	DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN

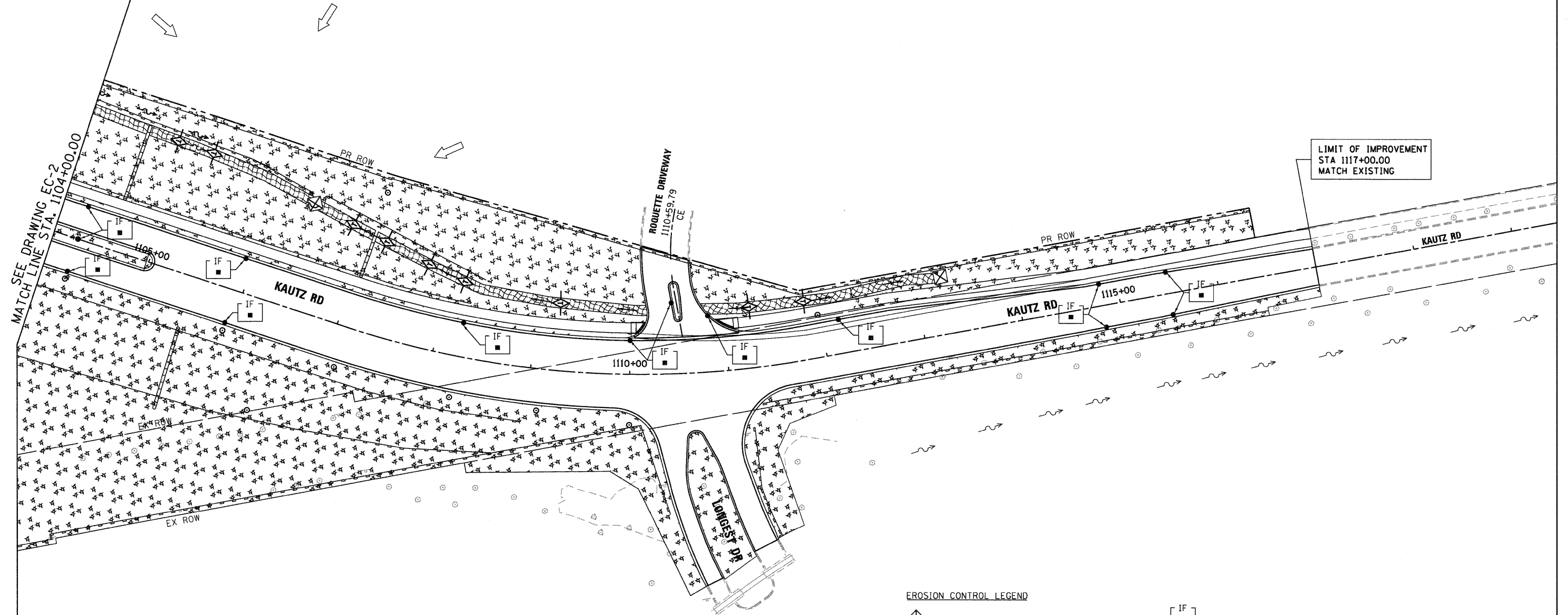
SCALE: 1"=50' SHEET NO. 4 OF 5 SHEETS STA. 129+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	64
EC-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



NOTES:

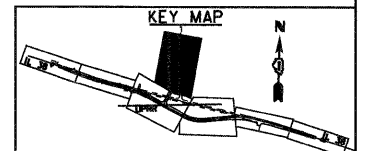
1. "SEDIMENT TRAP" SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED-1 FOR DETAILS.
2. PERIMETER EROSION BARRIER HAS BEEN OFFSET FOR CLARITY.



LIMIT OF IMPROVEMENT
STA 1117+00.00
MATCH EXISTING

EROSION CONTROL LEGEND

- | | | | |
|--|--|--|---|
| | INLET AND PIPE PROTECTION | | INLET FILTER |
| | TEMPORARY DITCH CHECK | | EROSION CONTROL
TEMPORARY PIPE SLOPE DRAIN |
| | PERIMETER EROSION BARRIER | | SEDIMENT TRAP |
| | TEMPORARY EROSION CONTROL SEEDING
AND MULCH METHOD 2 | | DITCH FLOW |
| | TEMPORARY EROSION CONTROL SEEDING
AND EROSION CONTROL BLANKET | | SWALE |
| | | | DRAINAGE SUMMIT |



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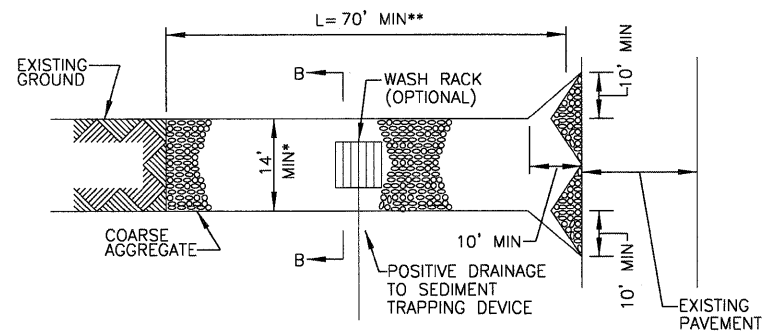
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

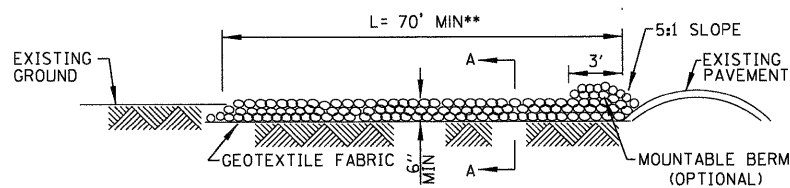
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 5 OF 5 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	65
	EC-5			CONTRACT NO. 60122
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

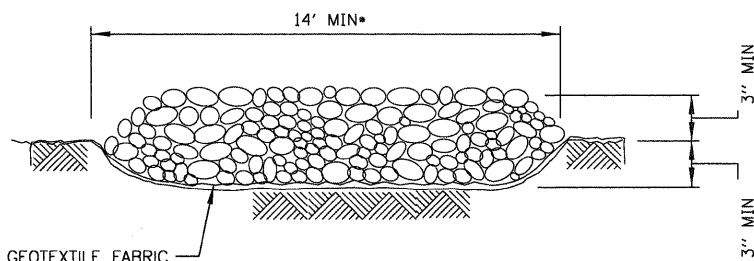


PLAN VIEW

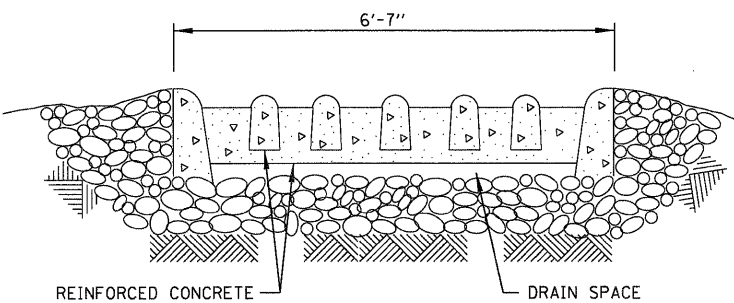


SIDE ELEVATION

- 24' MIN FOR TWO WAY TRAFFIC. MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION
- UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



SECTION A-A

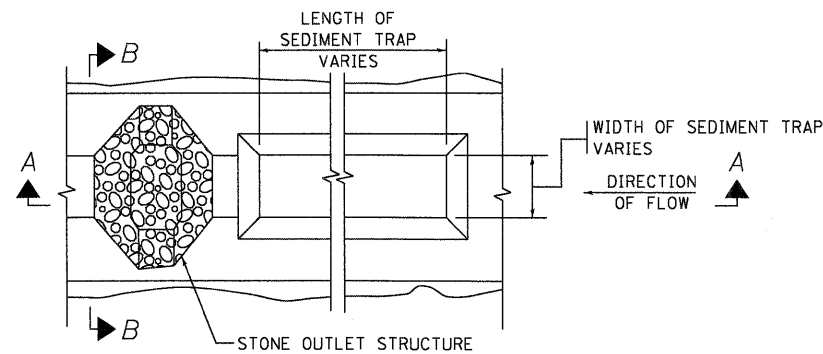


SECTION B-B

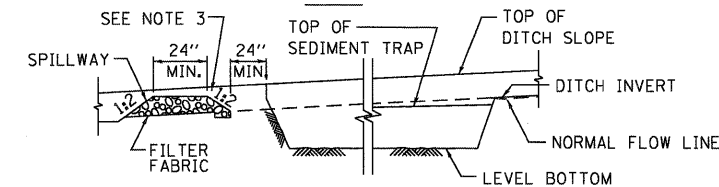
STABILIZED CONSTRUCTION ENTRANCE

NOTES:

1. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.02: "GEOTEXTILE FABRIC FOR GROUND STABILIZATION" AND SHALL BE PLACED ACCORDING TO ARTICLE 210.03: "INSTALLATION REQUIREMENTS."
2. THE COARSE AGGREGATE SHALL MEET EITHER IDOT COARSE AGGREGATE GRADATION CA-2 OR CA-4 (UNLESS OTHERWISE DIRECTED BY THE ENGINEER) AND BE PLACED ACCORDING TO ARTICLE 402.10: "FOR TEMPORARY ACCESS."
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
5. EXISTING DITCH DRAINAGE TO BE MAINTAINED.
6. THE CONTRACTOR SHALL PLACE ENTRANCES AT LOCATIONS AS APPROVED BY THE ENGINEER.
7. THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE ENTRANCES WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

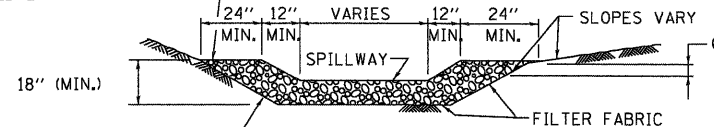


PLAN



SECTION A-A

TOP ELEVATION OF STRUCTURE SHALL BE SET IN FIELD AS DIRECTED BY THE ENGINEER



SECTION B-B

CUT SIDE SLOPES IN SEDIMENT TRAP AS STEEP AS SOIL CONDITIONS WILL ALLOW

NOTES:

1. USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE SEDIMENT TRAP SHALL BE REPLACED DUE TO WASHOUT, DAMAGE FROM CONSTRUCTION TRAFFIC, OR SILT ACCUMULATION. THE SILT SHALL BE REMOVED WHEN THE TRAP IS 50% FULL.
3. THIS COST TO PERFORM THIS WORK SHALL BE PAID FOR AS:
 - EARTH EXCAVATION FOR EROSION CONTROL
 - STONE RIPRAP, CLASS A4
 - FILTER FABRIC.
4. UPON COMPLETION OF CONSTRUCTION, ESTABLISHMENT OF FINAL STABILIZATION, AND WHEN DIRECTED BY THE ENGINEER, THE SEDIMENT TRAP SHALL BE REMOVED AND THE DITCH LINE RE-ESTABLISHED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. THE COST TO COMPLETE THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS LISTED ABOVE.

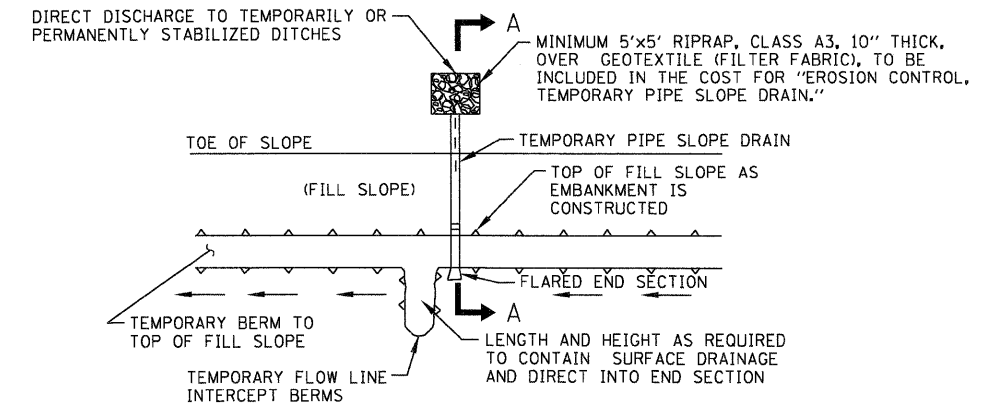
SEDIMENT TRAP

DRAINAGE AREA	L	W	CAPACITY CFT
0.5 AC	75'	10'	1,875
1.0 AC	145'	10'	3,625
1.5 AC	145'	15'	5,438
2.0 AC	195'	15'	7,313

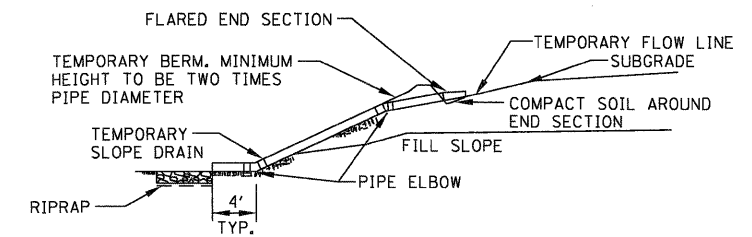
DIMENSION NOTES:

- A. ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 30" AND PROVIDING, AS A MINIMUM, 3,600 CUBIC FEET OF STORAGE PER ACRE OF RUNOFF.
- B. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP.
- C. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WILL BE 30".
- D. THE MAXIMUM DRAINAGE AREA (INCLUDING OFF-SITE AREA) ALLOWED PER TRAP IS 5 ACRES.

FILE NAME = D:\68122-SHT-ER0521.dgn	USER NAME = YKjm	DESIGNED - JCL	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL DETAILS			F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 66
PLOT SCALE = 1:500	CHECKED - EUG	REVISD -			SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	ED-1		CONTRACT NO. 60122	
PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISD -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



PLAN



SECTION A-A
FOR FILL SLOPES

NOTES:

1. TEMPORARY SLOPE DRAIN SHALL BE USED AT THE TOP OF FILL SLOPE UPON COMPLETION OF EMBANKMENT CONSTRUCTION TO PREVENT EXCESSIVE EROSION DURING THE CONSOLIDATION PERIOD. INTERIM SLOPE DRAINS MAY BE REQUIRED AND SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER. THE SLOPE DRAINS WILL BE REQUIRED UNTIL PAVEMENTS ARE CONSTRUCTED AND/OR PERMANENT STABILIZATION IS ESTABLISHED.
2. THE PIPE SHALL BE INSTALLED WITH WATER TIGHT CONNECTING BANDS AND SHALL BE SECURELY ANCHORED BY HOLD DOWN STAKES AND CABLES AT A MAXIMUM SPACING OF 10 FEET.
3. TEMPORARY PIPE SLOPE DRAINS WILL BE SPACED A MAXIMUM OF EVERY 500 FEET ALONG THE FILL WITH A STANDARD DIAMETER OF 18 INCHES. THIS SIZE PIPE IS ADEQUATE TO HANDLE 1.5 ACRES OF CONTRIBUTING AREA. SPACING OR SIZE SHALL BE ADJUSTED IF THE CONTRIBUTING AREA IS GREATER THAN 1.5 ACRES. SEE THE ILLINOIS URBAN MANUAL.
4. THE COST TO INSTALL, MAINTAIN AND REMOVE THE TEMPORARY SLOPE DRAIN PIPE, END SECTION, RIP-RAP, FILTER FABRIC AND OTHER APPURTENANCES SHALL BE INCLUDED IN THE UNIT PRICE PER EACH FOR "EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN."

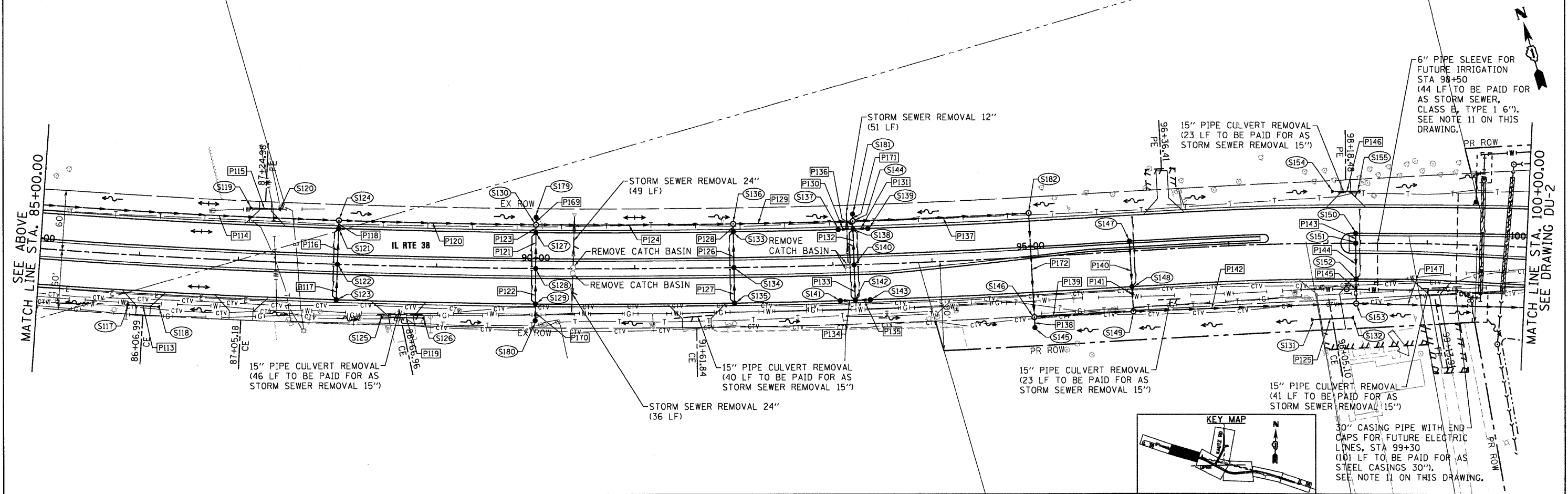
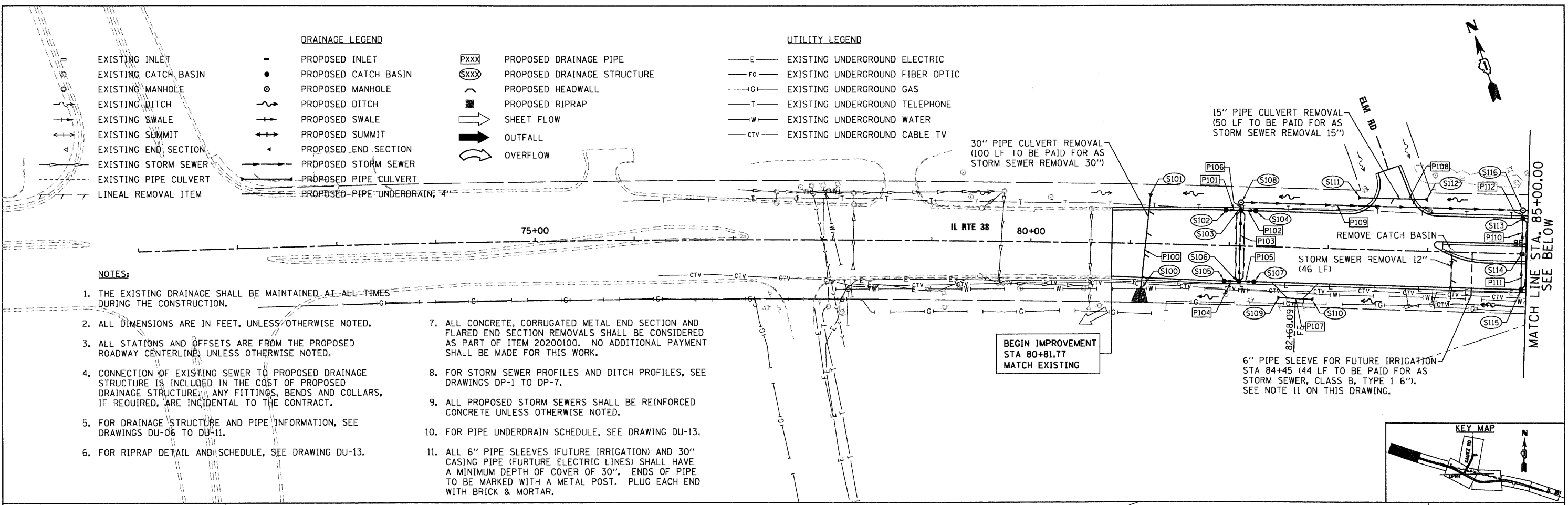
TEMPORARY PIPE SLOPE DRAIN

FILE NAME = D168122-SH1-EROS22.dgn	USER NAME = YKim	DESIGNED - JCL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL DETAILS	F.A.P RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 67
PLOT SCALE = 1:50	CHECKED - EJC	DATE - 10/14/11	REVISED -		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	ED-2 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
								CONTRACT NO. 60122		

- DRAINAGE LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - EXISTING MANHOLE
 - EXISTING DITCH
 - EXISTING SWALE
 - EXISTING SUMMIT
 - EXISTING END SECTION
 - EXISTING STORM SEWER
 - EXISTING PIPE CULVERT
 - LINEAL REMOVAL ITEM
 - PROPOSED INLET
 - PROPOSED CATCH BASIN
 - PROPOSED MANHOLE
 - PROPOSED DITCH
 - PROPOSED SWALE
 - PROPOSED SUMMIT
 - PROPOSED END SECTION
 - PROPOSED STORM SEWER
 - PROPOSED PIPE CULVERT
 - PROPOSED PIPE UNDERDRAIN, 4"

- UTILITY LEGEND**
- PXXX PROPOSED DRAINAGE PIPE
 - SXXX PROPOSED DRAINAGE STRUCTURE
 - PROPOSED HEADWALL
 - PROPOSED RIPRAP
 - SHEET FLOW
 - OUTFALL
 - OVERFLOW
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING UNDERGROUND FIBER OPTIC
 - EXISTING UNDERGROUND GAS
 - EXISTING UNDERGROUND TELEPHONE
 - EXISTING UNDERGROUND WATER
 - EXISTING UNDERGROUND CABLE TV

- NOTES:**
- THE EXISTING DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION.
 - ALL DIMENSIONS ARE IN FEET, UNLESS OTHERWISE NOTED.
 - ALL STATIONS AND OFFSETS ARE FROM THE PROPOSED ROADWAY CENTERLINE, UNLESS OTHERWISE NOTED.
 - CONNECTION OF EXISTING SEWER TO PROPOSED DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PROPOSED DRAINAGE STRUCTURE. ANY FITTINGS, BENDS AND COLLARS, IF REQUIRED, ARE INCIDENTAL TO THE CONTRACT.
 - FOR DRAINAGE STRUCTURE AND PIPE INFORMATION, SEE DRAWINGS DU-06 TO DU-11.
 - FOR RIPRAP DETAIL AND SCHEDULE, SEE DRAWING DU-13.
 - ALL CONCRETE, CORRUGATED METAL END SECTION AND FLARED END SECTION REMOVALS SHALL BE CONSIDERED AS PART OF ITEM 20200100. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
 - FOR STORM SEWER PROFILES AND DITCH PROFILES, SEE DRAWINGS DP-1 TO DP-7.
 - ALL PROPOSED STORM SEWERS SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
 - FOR PIPE UNDERDRAIN SCHEDULE, SEE DRAWING DU-13.
 - ALL 6" PIPE SLEEVES (FUTURE IRRIGATION) AND 30" CASING PIPE (FUTURE ELECTRIC LINES) SHALL HAVE A MINIMUM DEPTH OF COVER OF 30". ENDS OF PIPE TO BE MARKED WITH A METAL POST. PLUG EACH END WITH BRICK & MORTAR.



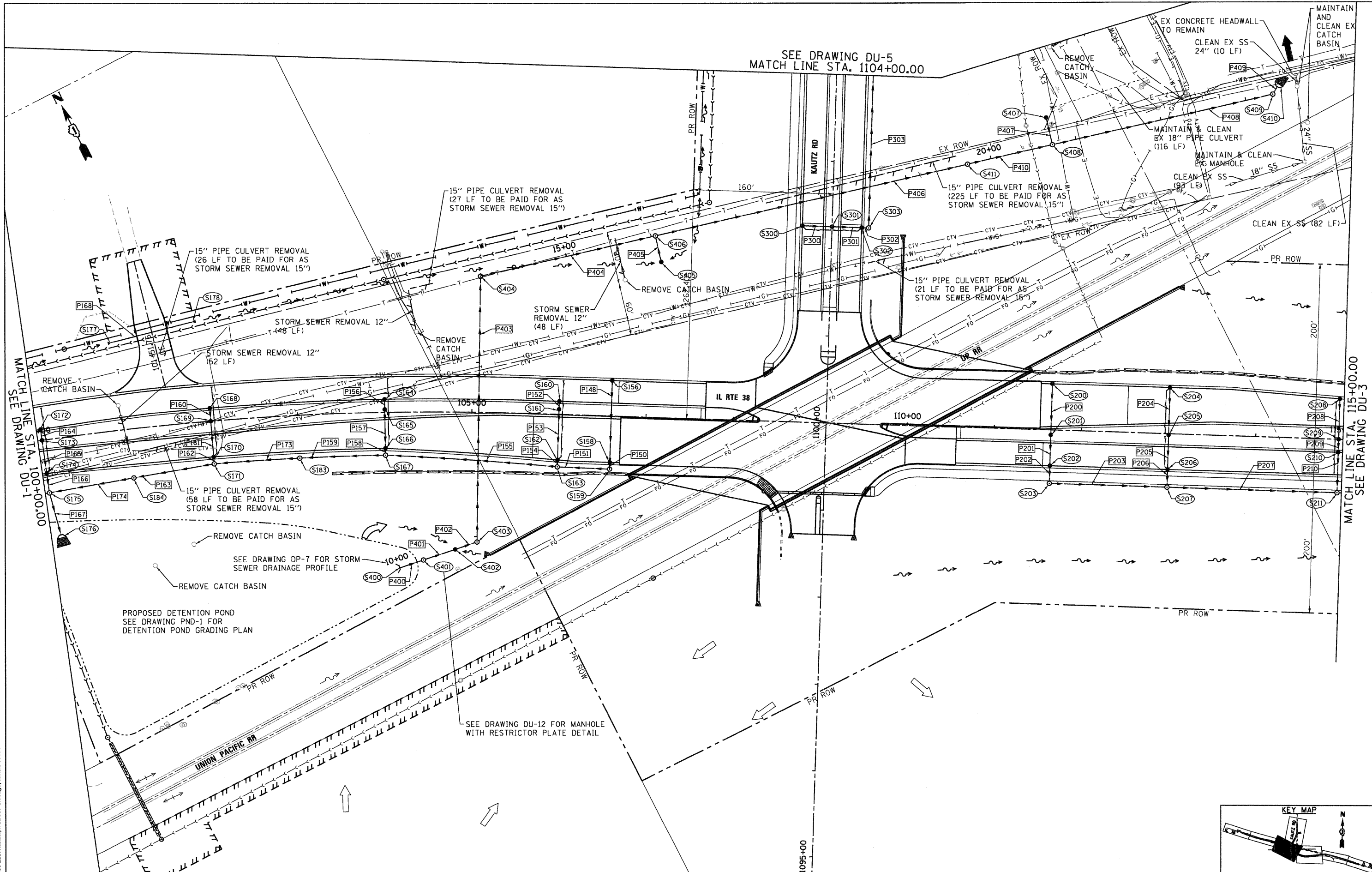
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730 East Randolph Street Chicago, Illinois 60601

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PLOT DATE = 10/14/2011	DATE - 10/14/11	CHECKED - EJC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN
SCALE: 1"=50' SHEET NO. 1 OF 5 SHEETS STA. BEGIN TO STA. 100+00

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 68
DU-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 100+00.00
SEE DRAWING DU-1

SEE DRAWING DU-5
MATCH LINE STA. 1104+00.00

MATCH LINE STA. 115+00.00
SEE DRAWING DU-3

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PLOT DATE = 12/9/2011

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DATE - 12/09/11

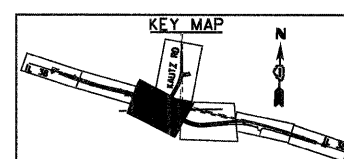
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. 100+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	69
DU-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



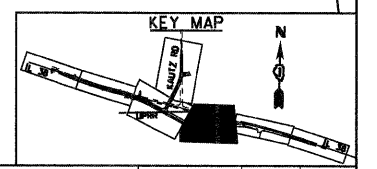
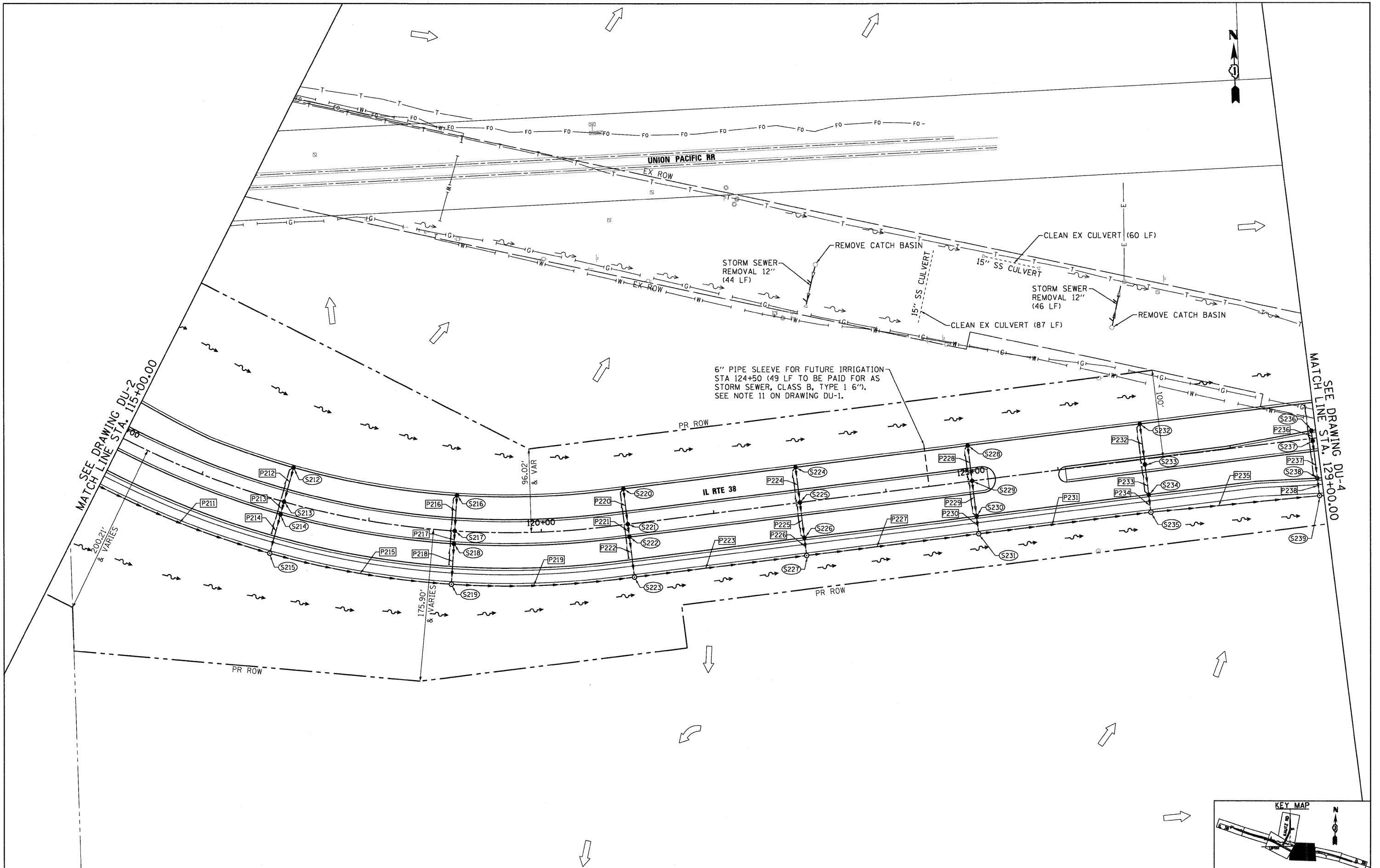
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PLOT DATE = 12/9/2011	DATE - 12/09/11	CHECKED - E.JG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. 115+00 TO STA. 129+00

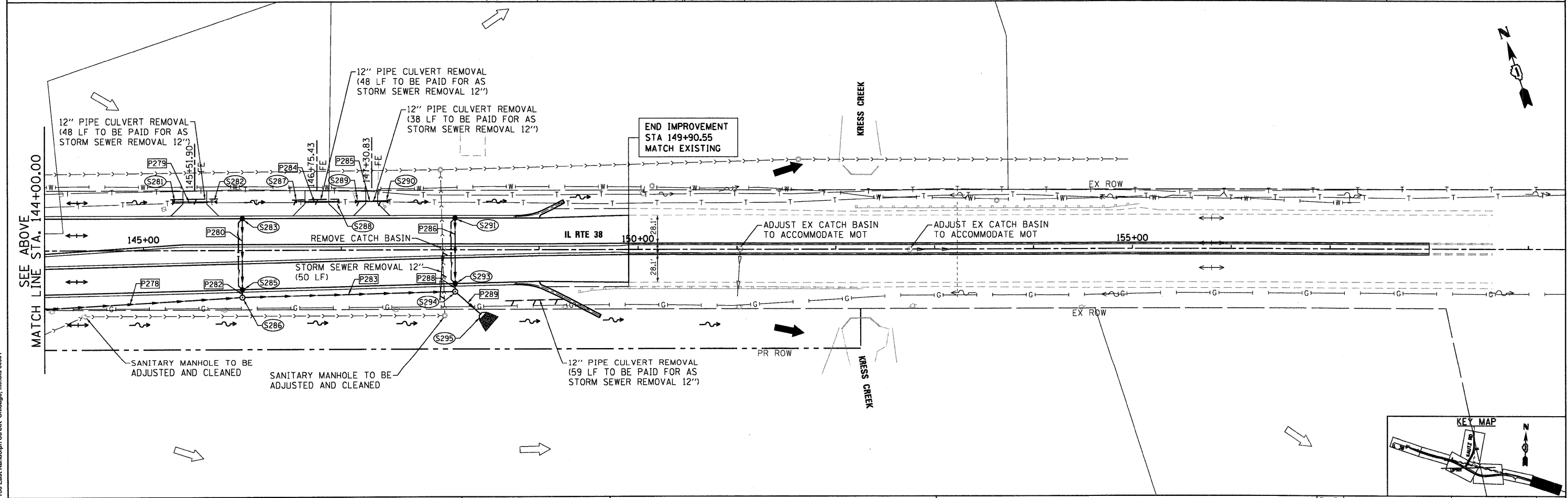
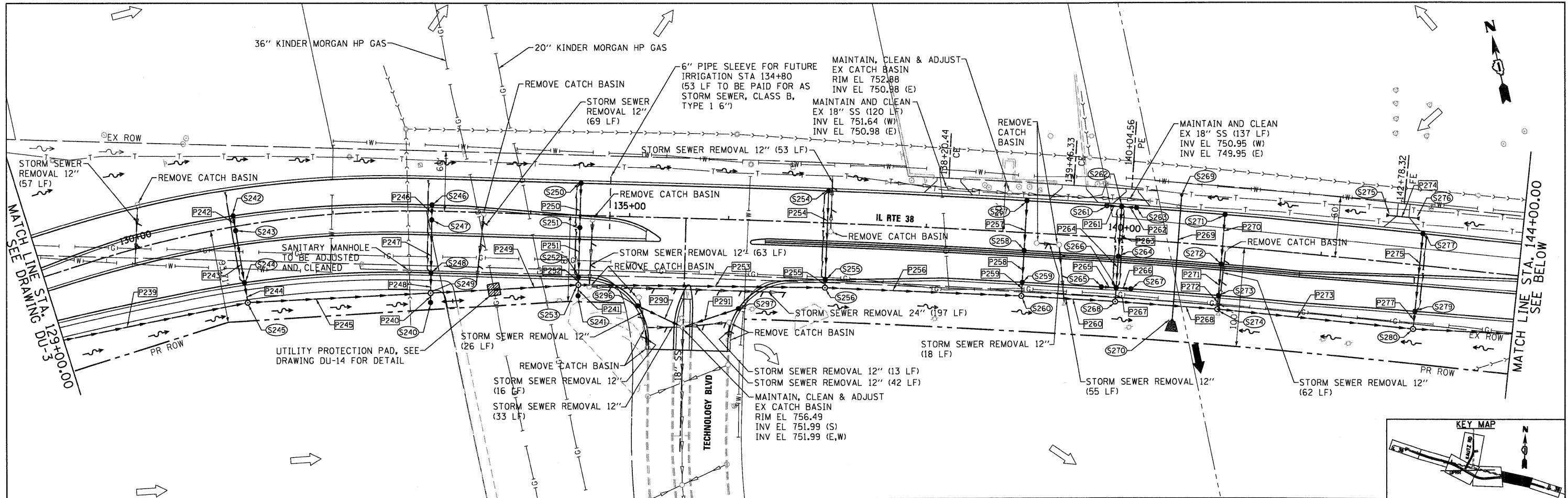
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	70
DU-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH SEE DRAWING DU-2
 MATCH LINE STA. 115+00.00

SEE DRAWING DU-4
 MATCH LINE STA. 129+00.00

6" PIPE SLEEVE FOR FUTURE IRRIGATION
 STA 124+50 (49 LF TO BE PAID FOR AS
 STORM SEWER, CLASS B, TYPE 1 6").
 SEE NOTE 11 ON DRAWING DU-1.



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FILE NAME =
 D169122-SHT-DRAIN04.dgn

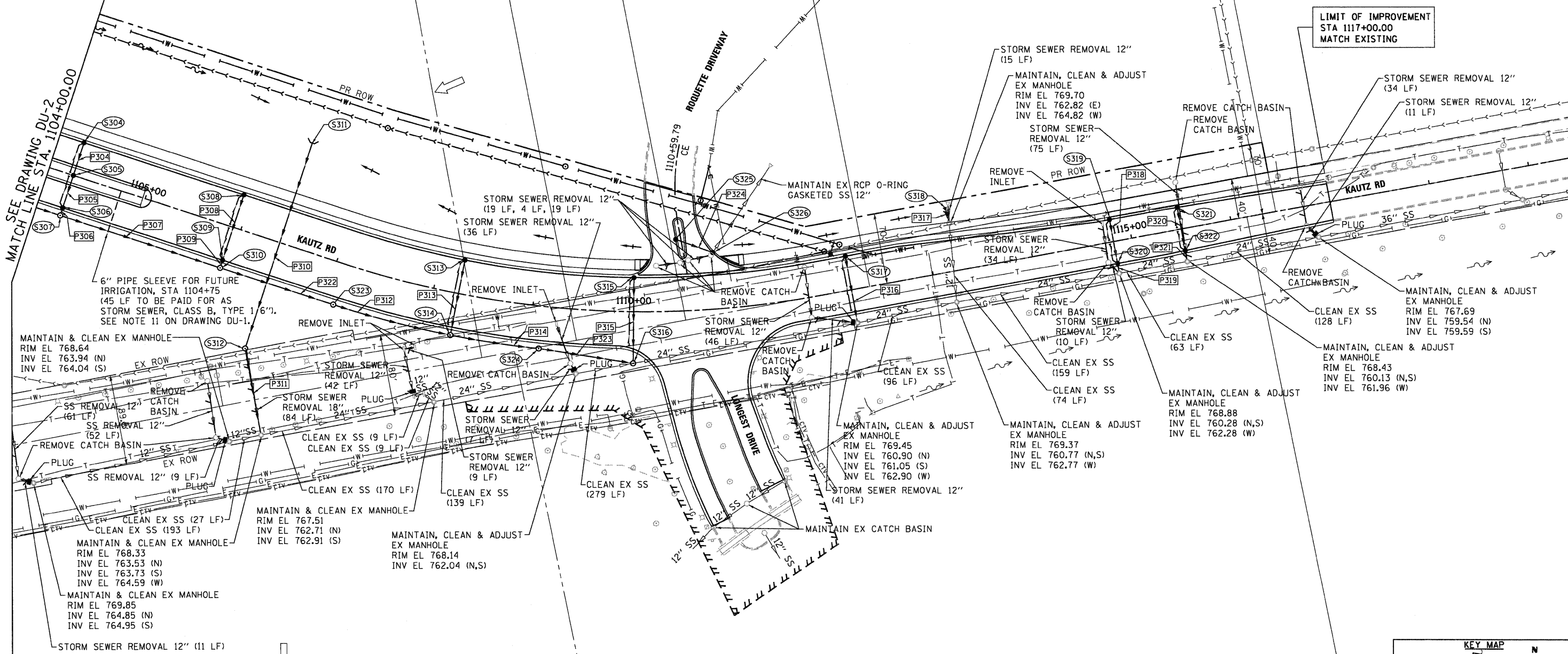
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PLOT DATE = 10/14/2011	CHECKED - EJC	REVISED -
	DATE - 10/14/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 4 OF 5 SHEETS STA. 129+00 TO STA. END

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 71
DU-4		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

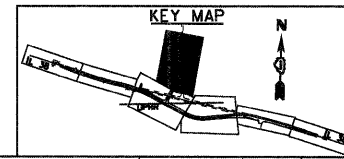


LIMIT OF IMPROVEMENT
STA 1117+00.00
MATCH EXISTING

MATCH LINE STA. 1104+00.00
SEE DRAWING DU-2

6" PIPE SLEEVE FOR FUTURE IRRIGATION, STA 1104+75 (45 LF TO BE PAID FOR AS STORM SEWER, CLASS B, TYPE 1/6"). SEE NOTE 11 ON DRAWING DU-1.

NOTE: STORM SEWER PLUGS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO STORM SEWER REMOVALS.



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130 East Randolph Street, Chicago, Illinois 60601

FILE NAME =	USER NAME = EricG
D168122-SHT-DRAIN05.dgn	

PLOT SCALE = 1:500	DESIGNED - YSK
PLOT DATE = 12/9/2011	DRAWN - YSK
	CHECKED - EJK
	DATE - 12/09/11

REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

MAINTAIN & CLEAN EX MANHOLE RIM EL 767.51 INV EL 762.71 (N) INV EL 762.91 (S)	MAINTAIN, CLEAN & ADJUST EX MANHOLE RIM EL 768.14 INV EL 762.04 (N,S)
--	--

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 5 OF 5 SHEETS STA. 1104+00 TO STA. END

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	72
DU-5		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

STR. NUM.	STATION	OFFSET	RIM ELEV.	N INV.	S INV.	W INV.	E INV.	PRC FLAR END SEC 12 EACH	PRC FLAR END SEC 15 EACH	PRC FL END S EO RS 24 EACH	PRC FL END S EO RS 30 EACH	CIP RC END SEC 18 EACH	CIP RC END SEC 30 EACH	CIP RC END SEC 36 EACH	CB TA 4 DIA T8G EACH	CB TA 4 DIA T24F&G EACH	CB TA 5 DIA T8G EACH	CB TC T8G EACH	MAN TA 4 DIA TIF CL EACH	MAN TA 5 DIA TIF CL EACH	MH TA 6D W/2 TIFCL RP EACH	COMMENTS
S281	145+32.90	49.08 LT	N/A			751.94		1														
S282	145+70.90	49.08 LT	N/A				751.60	1														
S283	146+00.00	32.00 LT	754.22		749.22											1						
S285	146+00.00	39.51 RT	754.22	748.96	748.46											1						
S286	146+00.00	47.52 RT	754.61	748.43		746.95	746.95													1		
S287	146+56.43	49.07 LT	N/A			750.84		1														
S288	146+94.43	49.07 LT	N/A				750.50	1														
S289	147+17.80	49.07 LT	N/A			750.30		1														
S290	147+43.87	49.07 LT	N/A				750.06	1														
S291	148+15.00	32.00 LT	752.23		747.23											1						
S293	148+15.00	34.14 RT	752.23	746.99	746.99											1						
S294	148+15.00	42.14 RT	752.62	746.96	746.20	746.52														1		USE STD 602601-02
S295	148+40.64	64.94 RT	N/A	746.11									1									
S296	135+10.63	89.65 RT	755.40				752.18									1						USE STD 602601-02
S297	136+12.61	89.63 RT	755.10			752.21										1						USE STD 602601-02

STR. NUM.	STATION	OFFSET	RIM ELEV.	N INV.	S INV.	W INV.	E INV.	PRC FLAR END SEC 12 EACH	PRC FLAR END SEC 15 EACH	PRC FL END S EO RS 24 EACH	PRC FL END S EO RS 30 EACH	CIP RC END SEC 18 EACH	CIP RC END SEC 30 EACH	CIP RC END SEC 36 EACH	CB TA 4 DIA T8G EACH	CB TA 4 DIA T24F&G EACH	CB TA 5 DIA T8G EACH	CB TC T8G EACH	MAN TA 4 DIA TIF CL EACH	MAN TA 5 DIA TIF CL EACH	MH TA 6D W/2 TIFCL RP EACH	COMMENTS
S300	1102+25.00	34.00 LT	804.93				799.93									1						
S301	1102+25.00	0.00 LT	805.76			799.25	798.25								1							
S302	1102+25.00	34.00 RT	804.93			797.57	796.57									1						
S303	1102+25.00	42.00 RT	805.32	794.25		796.25													1			
S304	1104+25.00	34.00 LT	799.20				794.29									1						
S305	1104+25.00	0.00 LT	800.03			792.93	790.93								1							
S306	1104+25.00	34.00 RT	799.20			789.57	787.57									1						
S307	1104+25.00	42.00 RT	799.59	785.25	787.25	787.25													1			
S308	1105+92.00	34.00 LT	791.82				784.44									1						
S309	1105+92.00	34.00 RT	792.50			781.72	779.72									1						
S310	1105+92.00	42.00 RT	792.89	777.40	779.40	779.40														1		
S311	1106+40.53	103.99 LT	N/A				768.40					1										
S312	1106+40.53	110.40 RT	771.00			767.11	765.11												1			
S313	1108+25.00	34.00 LT	780.65				773.65									1						
S314	1108+25.00	42.00 RT	783.76	769.11	771.11	771.11														1		
S315	1110+00.00	34.00 LT	773.32				766.82									1						
S316	1110+00.00	51.03 RT	776.32	761.80	763.80	763.80														1		
S317	1112+17.56	34.00 LT	769.15				763.91									1						
S318	1113+23.70	60.00 LT	N/A				765.10	1														
S319	1114+81.84	22.00 LT	767.98				762.98									1						
S320	1114+81.84	22.00 RT	767.98			762.41	762.41									1						
S321	1115+50.17	21.72 LT	767.66				762.66									1						
S322	1115+50.17	21.61 RT	767.66			762.50	762.00									1						
S323	1107+10.00	42.00 RT	788.51	773.27	775.27																1	
S324	1109+10.00	42.00 RT	779.94	765.51	767.51																1	
S325	1110+44.30	71.23 LT	770.90			764.90										1						
S326	1110+82.79	56.27 LT	770.00	762.00	764.00											1						

STR. NUM.	STATION	OFFSET	RIM ELEV.	N INV.	S INV.	W INV.	E INV.	PRC FLAR END SEC 12 EACH	PRC FLAR END SEC 15 EACH	PRC FL END S EO RS 24 EACH	PRC FL END S EO RS 30 EACH	CIP RC END SEC 18 EACH	CIP RC END SEC 30 EACH	CIP RC END SEC 36 EACH	CB TA 4 DIA T8G EACH	CB TA 4 DIA T24F&G EACH	CB TA 5 DIA T8G EACH	CB TC T8G EACH	MAN TA 4 DIA TIF CL EACH	MAN TA 5 DIA TIF CL EACH	MH TA 6D W/2 TIFCL RP EACH	COMMENTS
S400	104+14.45	178.67 RT	N/A				767.00						1									
S401	104+43.28	169.88 RT	774.70			766.93	766.93															1
S402	104+81.78	157.52 RT	773.50			766.83	766.83										1					
S403	105+07.89	148.81 RT	775.00			766.76	766.76														1	
S404	105+07.89	156.37 LT	773.10		766.00		766.00														1	
S405	107+12.02	178.88 LT	770.51		765.76											1						
S406	107+04.33	208.15 LT	771.60		765.61	765.49	765.49														1	
S407	111+48.43	358.00 LT	769.00		764.50											1						
S408	111+56.59	326.90 LT	771.20	764.34		764.32	764.32														1	
S409	114+07.36	392.75 LT	769.50	763.67		763.67															1	
S410	114+12.40	401.38 LT	N/A		763.60								1									
S411	110+59.87	301.51 LT	772.50			764.57	764.57														1	

FILE NAME = D:\60122-SHT-DRAIN08.dgn	USER NAME = YK1m	DESIGNED - YSK	REVISED -
		DRAWN - YSK	REVISED -
	PLOT SCALE = 1:500	CHECKED - EUG	REVISED -
	PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 75
DU-8		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PIPE NUM.	P CUL CL D 1 12" FOOT	P CUL CL D 1 15" FOOT	P CUL CL D 2 15" FOOT	P CUL CL A 2 EORS 24" FOOT	P CUL CL A 2 EORS 30" FOOT	STORM SEW CL A 1 12" FOOT	STORM SEW CL A 2 12" FOOT	STORM SEW CL A 3 12" FOOT	STORM SEW CL A 2 15" FOOT	STORM SEW CL A 3 15" FOOT	STORM SEW CL A 2 18" FOOT	STORM SEW CL A 4 18" FOOT	STORM SEW CL A 2 24" FOOT	STORM SEW CL A 3 24" FOOT	STORM SEW CL A 2 30" FOOT	STORM SEW CL A 2 36" FOOT	STORM SEW CL A 6 36" FOOT	SS CL A 2 EORS 30" FOOT	SS 2 WAT MAN 12 FOOT	SS 2 WAT MAN 24 FOOT	SS 2 WAT MAN 30 FOOT	PIPE SLOPE	COMMENTS	
P100					89.8																	2.22%		
P101						15.0																	0.37%	
P102						15.0																	0.37%	
P103						72.0																	0.37%	
P104																				15.0			0.37%	
P105																			15.0				0.37%	
P106								8.0															0.28%	
P107	28.9																						0.86%	
P108	62.4																						1.49%	
P109													284.2										0.20%	
P110							36.0																3.00%	
P111							36.0																1.28%	
P112							8.0																3.00%	
P113	26.3																						1.92%	
P114													303.5										0.20%	
P115	24.0																						3.17%	
P116							36.0																4.00%	
P117							36.0																0.81%	
P118							8.0																4.00%	
P119	36.9																						1.94%	
P120													198.9										0.20%	
P121							36.0																0.37%	
P122							36.0																0.37%	
P123							8.0																0.37%	
P124													198.9										0.20%	
P125	35.6																						0.47%	
P126							36.0																0.37%	
P127							36.0																0.37%	
P128							8.0																0.37%	
P129													120.6										0.20%	
P130						14.9																	0.37%	
P131						14.9																	0.37%	
P132							36.0																0.37%	
P133							36.0																0.37%	
P134																			15.1				0.37%	
P135																			15.1				0.37%	
P136								8.0															0.28%	
P137													177.7										0.20%	
P138							10.5																0.37%	
P139													100.1										0.20%	
P140							46.0																2.43%	
P141							25.0																4.00%	
P142													225.0										0.20%	
P143							10.0																4.10%	
P144							36.0																5.00%	
P145																			25.0				5.00%	
P146		21.7																					1.58%	
P147																					173.7		0.20%	
P148							94.0																0.37%	
P150							7.8																1.00%	
P151							60.0																3.00%	
P152							9.0																1.00%	
P153							58.0																1.00%	
P154							8.0																1.00%	
P155								197.6															3.00%	
P156							11.6																4.00%	
P157							44.4																4.00%	
P158							8.0																4.00%	
P159												98.5											2.50%	
P160							15.0																5.00%	
P161							41.0																5.00%	
P162							8.0																5.00%	
P163													93.8										1.80%	
P164							12.5																5.00%	
P165							38.5																5.00%	
P166							22.5																5.00%	
P167															50.0								1.20%	
P168					96.2																		1.58%	
P169							7.5																1.00%	
P170							16.7																0.37%	
P171							7.0																0.37%	
P172													105.0										0.20%	
P173											98.5												2.50%	
P174														98.3									1.80%	

FILE NAME = D:\61022-SHT-DRAIN\B9.dgn
 USER NAME = YK1.m
 PLOT SCALE = 1:50
 PLOT DATE = 10/14/2011

DESIGNED - YSK
 DRAWN - YSK
 CHECKED - EJC
 DATE - 10/14/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE

SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	76
DU-9			CONTRACT NO. 60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PIPE NUM.	P CUL CL D 1 12" FOOT	P CUL CL D 1 15" FOOT	P CUL CL D 2 15" FOOT	P CUL CL A 2 EORS 24" FOOT	P CUL CL A 2 EORS 30" FOOT	STORM SEW CL A 1 12" FOOT	STORM SEW CL A 2 12" FOOT	STORM SEW CL A 3 12" FOOT	STORM SEW CL A 2 15" FOOT	STORM SEW CL A 3 15" FOOT	STORM SEW CL A 2 18" FOOT	STORM SEW CL A 4 18" FOOT	STORM SEW CL A 2 24" FOOT	STORM SEW CL A 3 24" FOOT	STORM SEW CL A 2 30" FOOT	STORM SEW CL A 2 36" FOOT	STORM SEW CL A 6 36" FOOT	SS CL A 2 EORS 30" FOOT	SS 2 WAT MAN 12 FOOT	SS 2 WAT MAN 24 FOOT	SS 2 WAT MAN 30 FOOT	PIPE SLOPE	COMMENTS		
P200							58.6																1.00%		
P201							35.4																	1.00%	
P202							20.5																	1.24%	
P203							135.0																	2.50%	
P204							54.5																	1.00%	
P205							39.5																	1.00%	
P206							20.5																	6.19%	
P207									195.0															2.50%	
P208							46.2																	1.00%	
P209							15.0																	1.00%	
P210							46.5																	4.77%	
P211											217.0													2.50%	
P212							41.0																	1.69%	
P213							15.0																	1.69%	
P214							46.5																	2.50%	
P215											212.9													1.00%	
P216							41.0																	1.00%	
P217							15.0																	1.06%	
P218							46.5																	2.50%	
P219											211.6													0.87%	
P220							41.0																	0.87%	
P221							15.0																	0.87%	
P222							46.5																	1.50%	
P223													200.0											0.37%	
P224							41.0																	0.37%	
P225							41.0																	0.37%	
P226							20.5																	0.37%	
P227													200.0											1.00%	
P228							41.0																	0.37%	
P229							41.0																	0.37%	
P230							20.5																	0.37%	
P231													200.0											0.80%	
P232							47.0																	0.37%	
P233							37.6																	0.37%	
P234							20.5																	0.37%	
P235													195.1											0.80%	
P236							12.0																	0.52%	
P237							43.1																	0.52%	
P238							20.6							195.1										0.80%	
P239																								0.28%	
P240								9.5																0.37%	
P241							11.0																	0.37%	
P242							15.0																	0.37%	
P243																			53.0					0.37%	
P244							20.5																	0.37%	
P245																		185.0						0.20%	
P246							15.0																	0.37%	
P247							53.0																	0.37%	
P248							20.5																	0.37%	
P249																		149.6						0.20%	
P250							44.3																	0.37%	
P251							49.7																	0.37%	
P252							8.0																	0.37%	
P253																					249.3			0.83%	
P254						89.2																		0.37%	
P255							8.0																	0.37%	
P256													198.6											0.83%	
P257							50.0																	0.37%	
P258							32.0																	0.37%	
P259							14.0																	0.37%	
P260														95.0										0.20%	
P261							15.0																	0.37%	
P262							15.0																	0.37%	
P263							50.0																	0.37%	
P264							32.0																	0.37%	
P265							15.0																	0.37%	
P266							15.0																	0.37%	
P267									14.0															0.28%	
P268																								0.20%	
P269				121.0																				1.57%	
P270							50.0																	0.37%	
P271							32.0																	0.37%	
P272							14.0																	0.37%	
P273																								0.20%	
P274	26.0														198.6									0.62%	
P275							79.0																	0.37%	
P277							18.0																	0.37%	
P278																								0.20%	
P279	38.0														300.4									0.89%	
P280							71.5																	0.37%	

FILE NAME = D:\60122-SHT-DRAIN18.dgn
 USER NAME = YK1m
 PLOT SCALE = 1:50
 PLOT DATE = 10/14/2011

DESIGNED - YSK
 DRAWN - YSK
 CHECKED - EJK
 DATE - 10/14/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE

SCALE: NONE SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	77
DU-10		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

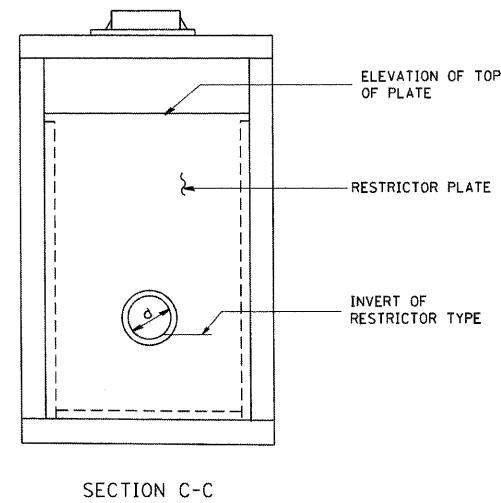
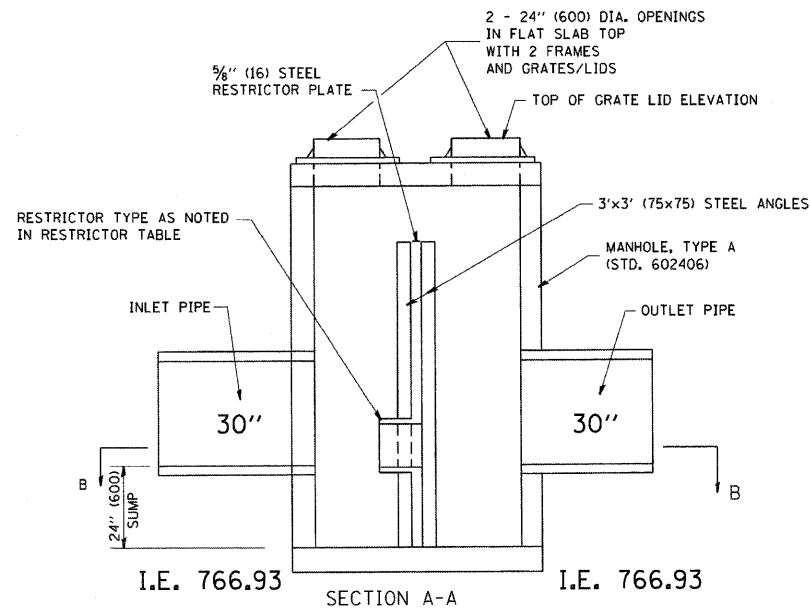
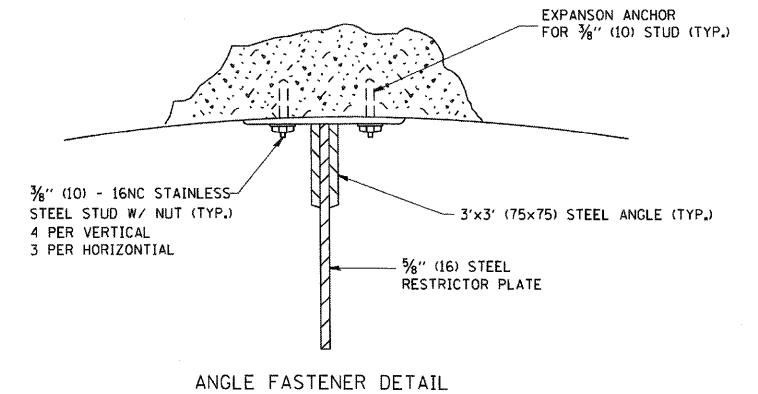
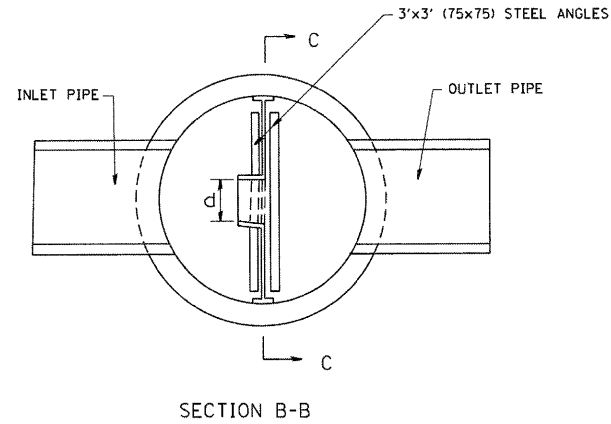
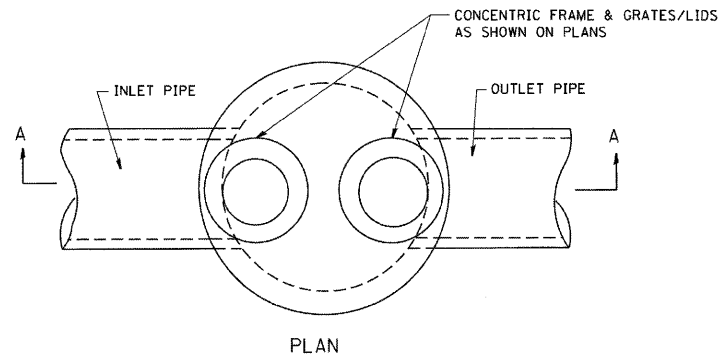
PIPE NUM.	P CUL CL D 1 12" FOOT	P CUL CL D 1 15" FOOT	P CUL CL D 2 15" FOOT	P CUL CL A 1 EORS 24" FOOT	P CUL CL A 1 EORS 30" FOOT	STORM SEW CL A 1 12" FOOT	STORM SEW CL A 2 12" FOOT	STORM SEW CL A 3 12" FOOT	STORM SEW CL A 2 15" FOOT	STORM SEW CL A 3 15" FOOT	STORM SEW CL A 2 18" FOOT	STORM SEW CL A 4 18" FOOT	STORM SEW CL A 2 24" FOOT	STORM SEW CL A 3 24" FOOT	STORM SEW CL A 2 30" FOOT	STORM SEW CL A 2 36" FOOT	CL A 6 36" FOOT	SS CL A 2 EORS 30" FOOT	SS 2 WAT MAN 12 FOOT	SS 2 WAT MAN 24 FOOT	SS 2 WAT MAN 30 FOOT	PIPE SLOPE	COMMENTS	
P282							8.0																0.37%	
P283																215.1							0.20%	
P284	38.0																						0.89%	
P285	26.1																						0.89%	
P286						66.1																	0.37%	
P288							8.0																0.37%	
P289																34.3							0.20%	
P290							50.2																0.37%	
P291							59.5																0.37%	

PIPE NUM.	P CUL CL D 1 12" FOOT	P CUL CL D 1 15" FOOT	P CUL CL D 2 15" FOOT	P CUL CL A 2 EORS 24" FOOT	P CUL CL A 2 EORS 30" FOOT	STORM SEW CL A 1 12" FOOT	STORM SEW CL A 2 12" FOOT	STORM SEW CL A 3 12" FOOT	STORM SEW CL A 2 15" FOOT	STORM SEW CL A 3 15" FOOT	STORM SEW CL A 2 18" FOOT	STORM SEW CL A 4 18" FOOT	STORM SEW CL A 2 24" FOOT	STORM SEW CL A 3 24" FOOT	STORM SEW CL A 2 30" FOOT	STORM SEW CL A 2 36" FOOT	CL A 6 36" FOOT	SS CL A 2 EORS 30" FOOT	SS 2 WAT MAN 12 FOOT	SS 2 WAT MAN 24 FOOT	SS 2 WAT MAN 30 FOOT	PIPE SLOPE	COMMENTS	
P300							34.0																2.00%	
P301							34.0																2.00%	
P302							8.0																4.00%	
P303								200.0															3.50%	
P304							34.0																4.00%	
P305							34.0																4.00%	
P306							8.0																4.00%	
P307										167.0													3.50%	
P308							68.0																4.00%	
P309							8.0																4.00%	
P310											87.3	214.4											0.60%	
P311																							0.60%	
P312													120.0										1.80%	
P313							76.0																3.34%	
P314													88.7										1.80%	
P315							85.0																3.55%	
P316							67.4																1.50%	
P317						12.7																	2.20%	
P318							44.0																1.30%	
P319							9.9																1.30%	
P320							43.3																0.37%	
P321							11.0																0.37%	
P322													118.1										1.80%	
P323													94.8										1.80%	
P324							38.9																2.31%	

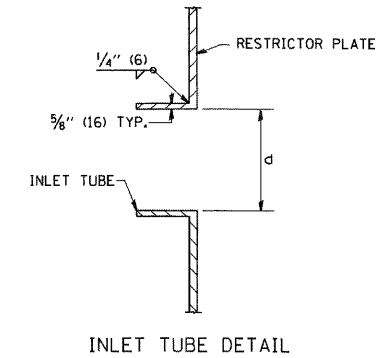
PIPE NUM.	P CUL CL D 1 12" FOOT	P CUL CL D 1 15" FOOT	P CUL CL D 2 15" FOOT	P CUL CL A 2 EORS 24" FOOT	P CUL CL A 2 EORS 30" FOOT	STORM SEW CL A 1 12" FOOT	STORM SEW CL A 2 12" FOOT	STORM SEW CL A 3 12" FOOT	STORM SEW CL A 2 15" FOOT	STORM SEW CL A 3 15" FOOT	STORM SEW CL A 2 18" FOOT	STORM SEW CL A 4 18" FOOT	STORM SEW CL A 2 24" FOOT	STORM SEW CL A 3 24" FOOT	STORM SEW CL A 2 30" FOOT	STORM SEW CL A 2 36" FOOT	CL A 6 36" FOOT	SS CL A 2 EORS 30" FOOT	SS 2 WAT MAN 12 FOOT	SS 2 WAT MAN 24 FOOT	SS 2 WAT MAN 30 FOOT	PIPE SLOPE	COMMENTS	
P400															28.7								0.25%	
P401															38.6								0.25%	
P402															26.4								0.25%	
P403																	305.2						0.25%	
P404																205.9							0.25%	
P405											30.3												0.50%	
P406																	367.6						0.25%	
P407							32.1																0.50%	
P408																259.3							0.25%	
P409																10.0							0.70%	
P410																100.0							0.25%	

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601

FILE NAME = D160122-SHT-DRAIN1.dgn	USER NAME = YK1m	DESIGNED - YSK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 78
PLOT SCALE = 1:150	CHECKED - EJG	REVISED -	DU-11			CONTRACT NO. 60122				
PLOT DATE = 10/14/2011	DATE - 10/14/11	REVISED -	SCALE: NONE SHEET NO. 6 OF 6 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STRUCTURE 401

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
104+43.28	6'	TYPE 1	SHARP EDGED	18"	767.00	773.00

Control Structure Sizing

$Q = C_d A (2gH)^{0.5} = 19.70 \text{ ft}^3/\text{sec}$

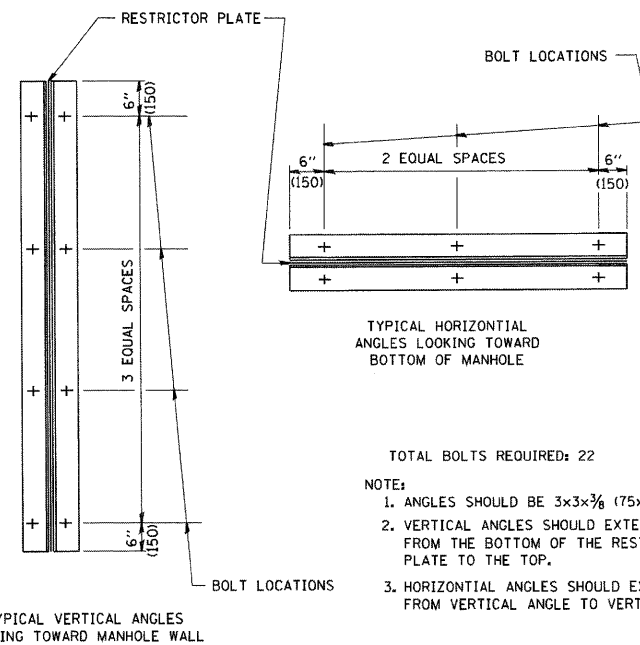
Where:

$A = \pi r^{0.5} = 1.77 \text{ ft}^2$

$C_d = 0.61$

$g = 32.2 \text{ ft}^2/\text{sec}$

$H = 772.93 - 767.75 = 5.18 \text{ ft}$



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

PIPE UNDERDRAIN SCHEDULE

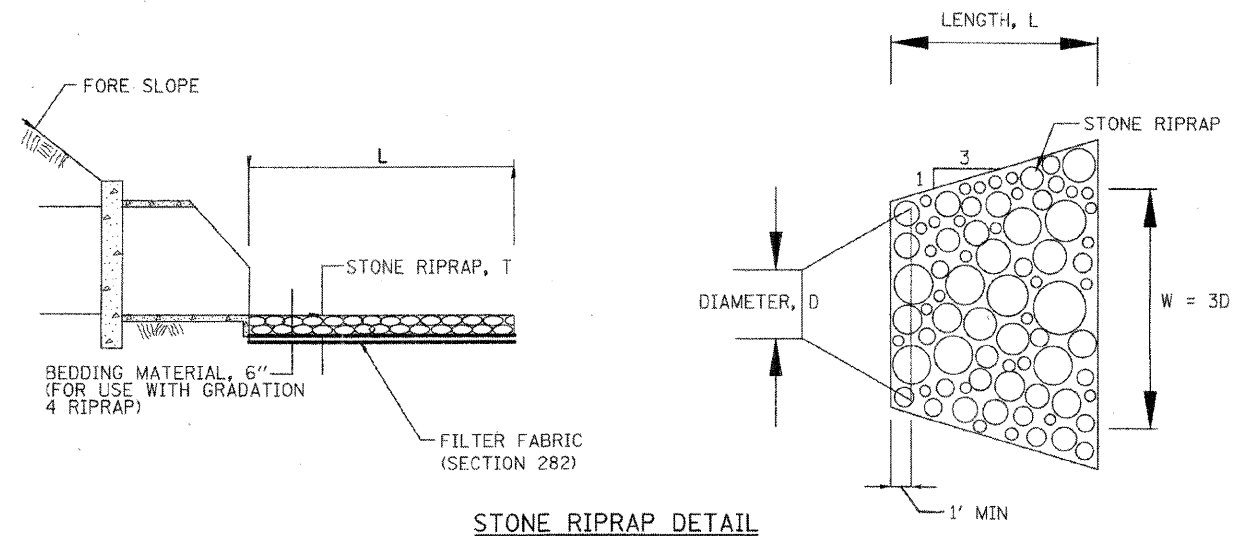
STATION	OFFSET	CONNECT TO STR. NUM.	LENGTH FOOT	COMMENTS
82+06.85	LT	S103	36	SAG POINT
82+06.85	RT	S106	36	SAG POINT
82+14.85	LT	S103	36	SAG POINT
82+14.85	RT	S106	36	SAG POINT
84+99.00	LT	S113	36	
84+99.00	RT	S115	36	
87+96.00	LT	S121	36	
87+96.00	RT	S123	36	
89+96.00	LT	S127	36	
89+96.00	RT	S129	36	
91+96.00	LT	S133	36	
91+96.00	RT	S135	36	
93+17.28	LT	S138	36	SAG POINT
93+17.28	RT	S142	36	SAG POINT
93+25.28	LT	S138	36	SAG POINT
93+25.28	RT	S142	36	SAG POINT
96+04.00	RT	S148	72	
98+32.00	RT	S152	72	
100+09.00	RT	S174	77	
102+04.00	RT	S170	82	
104+04.00	RT	S166	82	
106+04.00	RT	S162	93	
112+96.00	LT	S204	54	
112+96.00	RT	S206	39	
114+91.00	LT	S208	87	
116+96.00	LT	S212	82	
118+96.00	LT	S216	82	
120+96.00	LT	S220	82	
122+96.00	LT	S224	41	
122+96.00	RT	S226	41	
124+96.00	LT	S228	41	
124+96.00	RT	S230	41	
126+96.00	LT	S232	47	
126+96.00	RT	S234	35	
128+91.00	RT	S238	87	
130+96.00	RT	S244	94	
132+96.00	RT	S248	94	
134+46.00	LT	S250	44	
134+46.00	RT	S252	49	
136+96.00	LT	S254	38	
136+96.00	RT	S255	51	
139+91.62	LT	S262	38	SAG POINT
139+91.62	RT	S262	44	SAG POINT
139+98.62	LT	S266	38	SAG POINT
139+98.62	RT	S266	44	SAG POINT
143+04.00	LT	S277	38	
143+04.00	RT	S279	41	
145+96.00	LT	S283	35	
145+96.00	RT	S285	35	
148+11.00	LT	S291	33	
148+11.00	RT	S293	33	
1102+21.00	LT	S300	34	
1102+21.00	RT	S302	34	
1104+21.00	LT	S304	34	
1104+21.00	RT	S306	34	
1105+88.00	LT	S308	34	
1105+88.00	RT	S310	34	
1108+21.00	LT	S313	68	
1109+96.00	LT	S315	69	
1112+13.56	LT	S317	56	
1114+77.84	LT	S319	22	
1114+77.84	RT	S320	22	
1115+46.17	LT	S321	22	
1115+46.17	RT	S322	22	

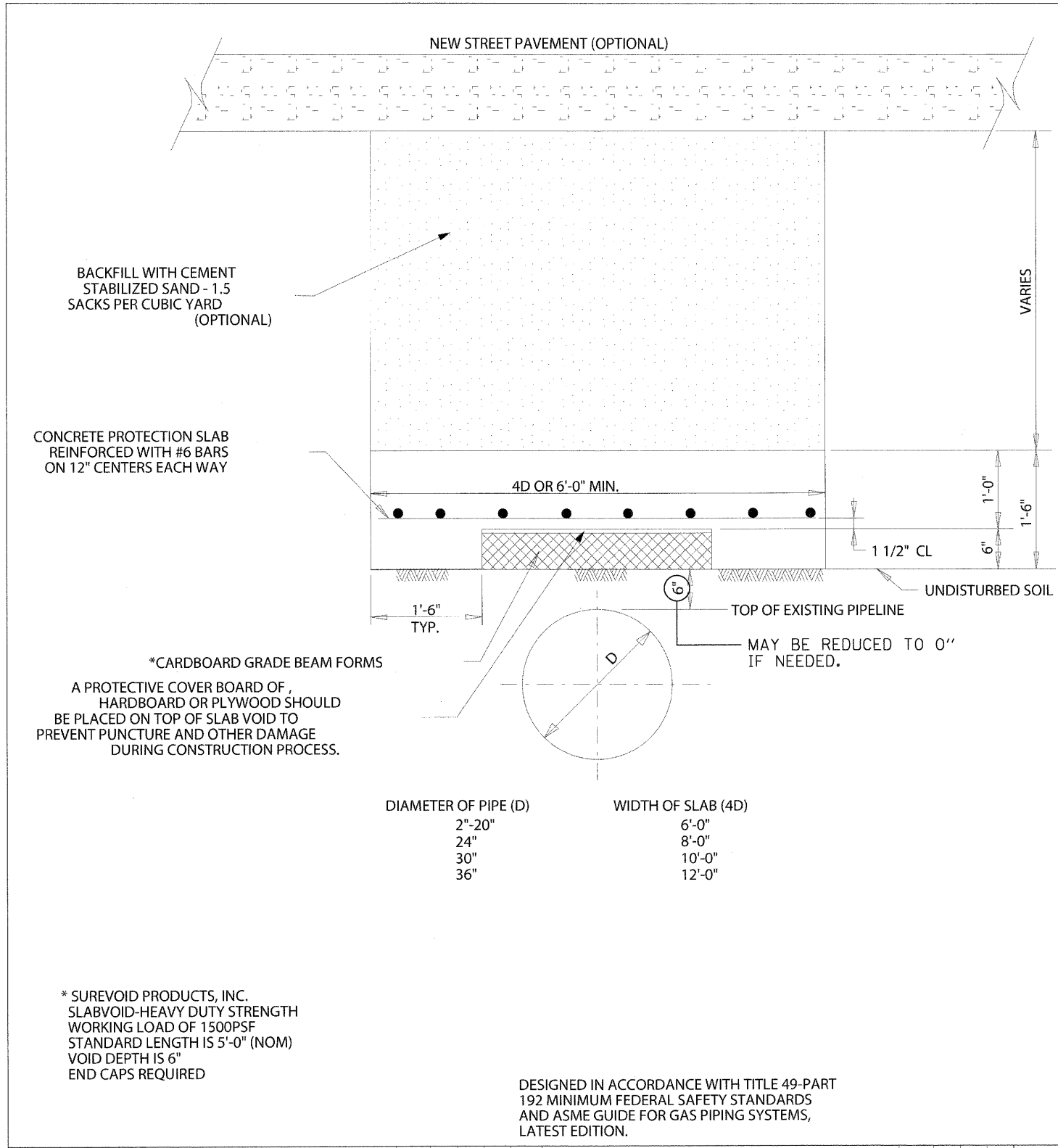
NOTES:

1. ALL PIPE UNDERDRAIN TO BE 4" IN DIAMETER WITH A 24" NOMINAL DEPTH BELOW BOTTOM OF CONCRETE PAVEMENT OR BASE COURSE.
2. THE RIPRAP MATERIAL SHALL CONFORM TO CLASS A OR CLASS B QUALITY.
3. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC FOR USE WITH RIPRAP.
4. THE EXACT LENGTH, WIDTH AND DEPTH FOR RIPRAP PLACEMENT WILL BE DETERMINED BY THE ENGINEER.

RIPRAP SCHEDULE

STRUCTURE NUMBER	DRAWING NUMBER	ROAD NAME	STATION	TYPE OF STRUCTURE	LENGTH (FT)	WIDTH AT OUTLET (FT)	WIDTH (FT)	DEPTH (FT)	RIPRAP AREA (SQ YD)	RIPRAP GRADATION
S100	DU-1	IL-38	81+12, 45.2' RT	PRC FL END S EQ RS 30	13.0	16.2	7.5	0.75	17.1	RR3
S176	DU-2	IL-38	100+11, 110.4' RT	CIP RC END SEC 30	13.0	16.2	7.5	1.00	17.1	RR3
S270	DU-4	IL-38	140+55, 76.2' RT	PRC FL END S EQ RS 24	10.0	12.7	6.0	0.75	10.4	RR3
S295	DU-4	IL-38	148+37, 68.5' RT	CIP RC END SEC 36	15.0	19.0	9.0	0.75	23.3	RR3
S410	DU-2	IL-38	114+12, 45.2' LT	CIP RC END SEC 36	15.0	19.0	9.0	0.75	23.3	RR3
	DU-2	IL-38	105+23, 162.6' RT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3
	DU-2	IL-38	113+08, 168.2' LT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3
	DU-2	KAUTZ ROAD	1097+93, 71.5' LT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3
	DU-2	KAUTZ ROAD	1098+72, 36.0' LT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3
	DU-2	KAUTZ ROAD	1098+72, 36.0' RT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3
	DU-2	KAUTZ ROAD	1102+13, 81.8' RT	TYPE B GUTTER	5.0	6.3	3.0	0.25	2.6	RR3





Material Specifications for Pipeline Protective Structures

- The following are minimum specifications for pipeline protective slab construction.
- Granular Fill shall consist of crushed stone, free of debris and organic matter and containing not more than 10% fines passing No. 200 sieve. Gradation shall be uniform and such that no more than 70% passes No. 4 sieve. Maximum size stone shall not exceed 1".
 - Portland Cement shall conform to ASTM C150, Type 1.
 - Concrete Aggregates shall be washed sand and gravel or clean crushed stone conforming to ASTM C33.
 - Water shall be fresh, clean and free from deleterious amounts of oil, acid, alkali, salts or organic matter.
 - Air-Entraining Admixtures shall conform to ASTM C260 and shall be used strictly in accordance with manufacturer's recommendations.
 - Cast-in-Place Concrete Mix Design shall conform to the following minimum requirements:
 - Minimum compressive strength at 28 days (f'c): 4000 psi
 - Entrained air content (by volume): 5% (+/-1%)
 - Maximum slump: 3
 - Deformed Reinforcing Bars shall be ASTM A615, Grade 60.
 - Supports for Reinforcing: Provide wire bar-type supports for reinforcing including bolsters, chairs, spacers and other devices for spacing, supporting and fastening reinforcing bars in place. All devices shall be galvanized or plastic-coated.
 - Concrete Repair Compound: "Sikatop 122" as manufactured by Sika Corp., Lyndhurst, NJ or approved equivalent. Mix and apply in strict accordance with manufacturer's recommendations and instructions.
 - Bonding Agent: Two-component epoxy compound such as "Sikadur 32 Hi-Mod" as produced by Sika Corp. or approved equivalent.
 - Formwork: Design, erect, support and brace formwork to support vertical and lateral loads that might be applied until such loads can be supported by the concrete structure. Construct framework so concrete members and structures are of correct size, shape, alignment, elevation and position. Formwork shall be readily removable without impact, shock or damage to cast-in-place concrete surfaces and adjacent materials.
 - Form Ties shall be factory fabricated, adjustable length, designed to prevent form deflection and spalling of concrete surfaces upon removal. They should not be pulled completely out of the concrete. The ends of the ties after breaking shall be at least 1" inside the concrete surface. Provide form ties that will not leave holes larger than 1" in diameter in the concrete surface.
 - Reinforcing shall be in accordance with the ACI Detailing Manual, ACI 315-80 unless otherwise detailed or noted.
 - Reinforcing Bar Splices, if required, are to be fabricated to lap 30 bar diameters.
 - Company shall have the option, at its sole discretion, of obtaining a set of three concrete test cylinders for each 50 cubic yards of concrete cast or for each day's operations, whichever is the most frequent. Cylinders shall be identified so that it is apparent where the concrete occurs on the project from which the cylinders were cast. One cylinder of each set shall be tested seven days after retrieval and a second cylinder tested after attaining an age of 28 days. The third cylinder shall be held in reserve. Laboratory reports of the result of cylinder tests shall be submitted to the Engineer for his review on a regular and timely basis. Testing shall be accomplished by a qualified independent laboratory in accordance with the appropriate ASTM procedures and specifications. The contractor shall notify the laboratory 24 hours in advance of each placement of concrete in order that concrete tests may be scheduled.
 Note: Contractor is responsible for payment of all concrete testing costs and scheduling.
 - Cold Weather Placing: Comply with ACI 306.
 - Hot Weather Placing: Comply with ACI 305.
 - A plasticizing and water reducing admixture, such as Pozzolith 122-HE, as manufactured by Master Builders, Cleveland, Ohio, conforming to ASTM C494, may be added to the concrete to improve placement workability provided that water and fine aggregate content of the mix is adjusted appropriately and provided the specified minimum 28-day compressive strengths are maintained.
 - Convey and deposit concrete so as to avoid segregation. Vibrate and/or puddle concrete so as to thoroughly work it around reinforcement and into corners of forms. Patch tie holes, voids, stone pockets or other defective areas with grout immediately after removal of forms before concrete is thoroughly dry.
 - Curing: All concrete shall be cured in a manner that will prevent loss of moisture from the concrete surface and keep the concrete in a continuously moist condition for at least seven days.
 - Repair and Patching of Concrete: Areas where patching is required shall be cleaned of all dust, dirt, grease, laitance and loose or spalling concrete and be given a brush-applied coat of a bonding agent. The compound shall be mixed in accordance with the manufacturer's instructions. The patching mortar shall be freshly mixed and shall be composed of the same materials and proportions as were used for the original concrete, including the admixture, except that the coarse aggregate shall be omitted and fine aggregate substituted therefor. The placing of mortar shall begin immediately after the bonding compound is applied and shall be completed within the manufacturer's recommended time. The bonding compound must be sticky to the touch during placing of mortar. The patching shall be finished to match adjoining concrete and cured and protected as specified for concrete.
 - Repair of defective concrete, required patching and/or filling of holes shall be performed and completed as soon as possible. Exposed concrete shall be repaired immediately after stripping of forms. Concrete that will be concealed or against which earth will be placed must be repaired in time to allow backfilling operations to proceed as scheduled.

BACKFILL WITH CEMENT STABILIZED SAND - 1.5 SACKS PER CUBIC YARD (OPTIONAL)

CONCRETE PROTECTION SLAB REINFORCED WITH #6 BARS ON 12" CENTERS EACH WAY

*CARDBOARD GRADE BEAM FORMS
 A PROTECTIVE COVER BOARD OF, HARDBOARD OR PLYWOOD SHOULD BE PLACED ON TOP OF SLAB VOID TO PREVENT PUNCTURE AND OTHER DAMAGE DURING CONSTRUCTION PROCESS.

* SUREVOID PRODUCTS, INC.
 SLABVOID-HEAVY DUTY STRENGTH
 WORKING LOAD OF 1500PSF
 STANDARD LENGTH IS 5'-0" (NOM)
 VOID DEPTH IS 6"
 END CAPS REQUIRED

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 MINIMUM FEDERAL SAFETY STANDARDS AND ASME GUIDE FOR GAS PIPING SYSTEMS, LATEST EDITION.

REV.	DESCRIPTION	DATE	DRAWN	ENGR	CHKD	REV.	DESCRIPTION	DATE	DRAWN	ENGR	CHKD

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STATUS	
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PROTECTIVE SLAB FOR EXISTING PIPELINES
 STANDARD SCALE NONE
 DWG. NO. STD-32-D3
 SHE. NO.

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 130 East Randolph Street Chicago, Illinois 60601

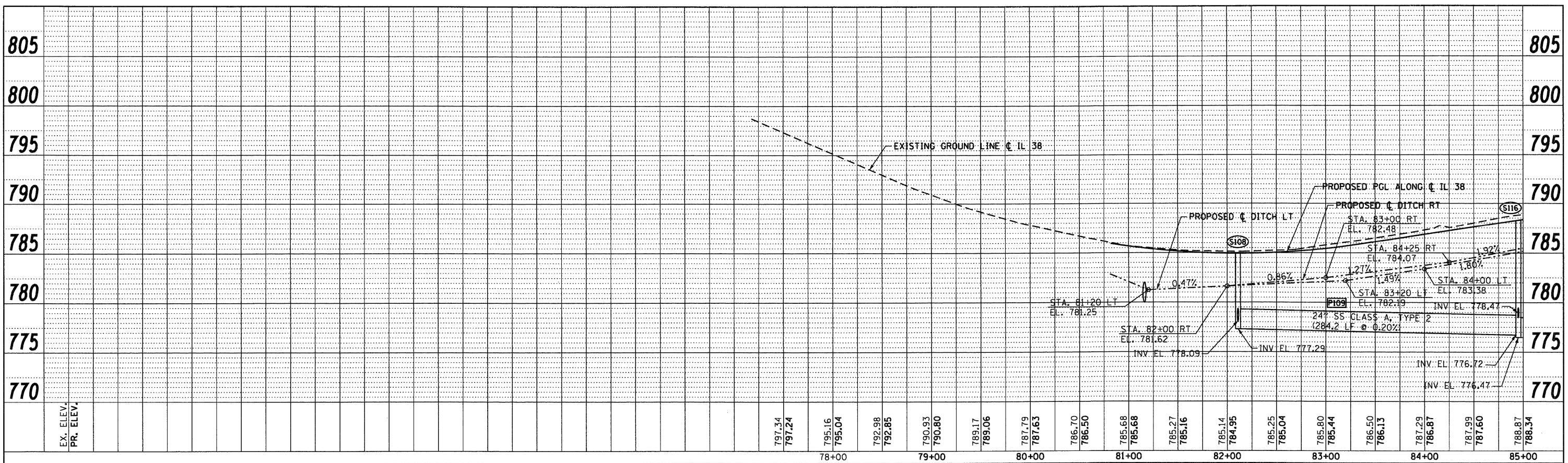
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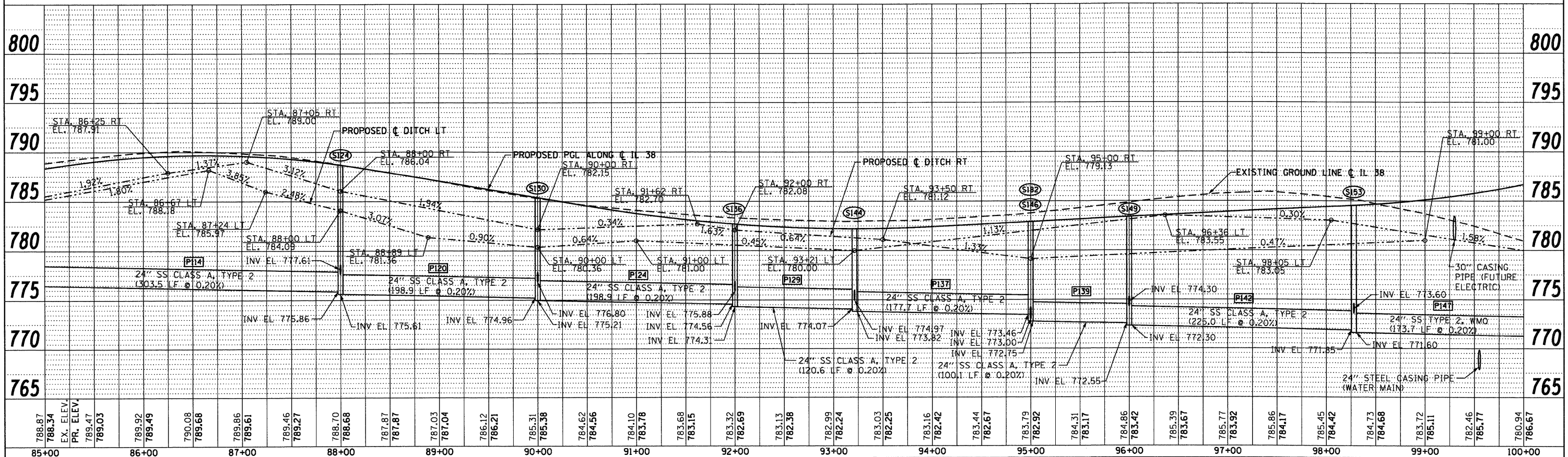
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STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	81
DU-14		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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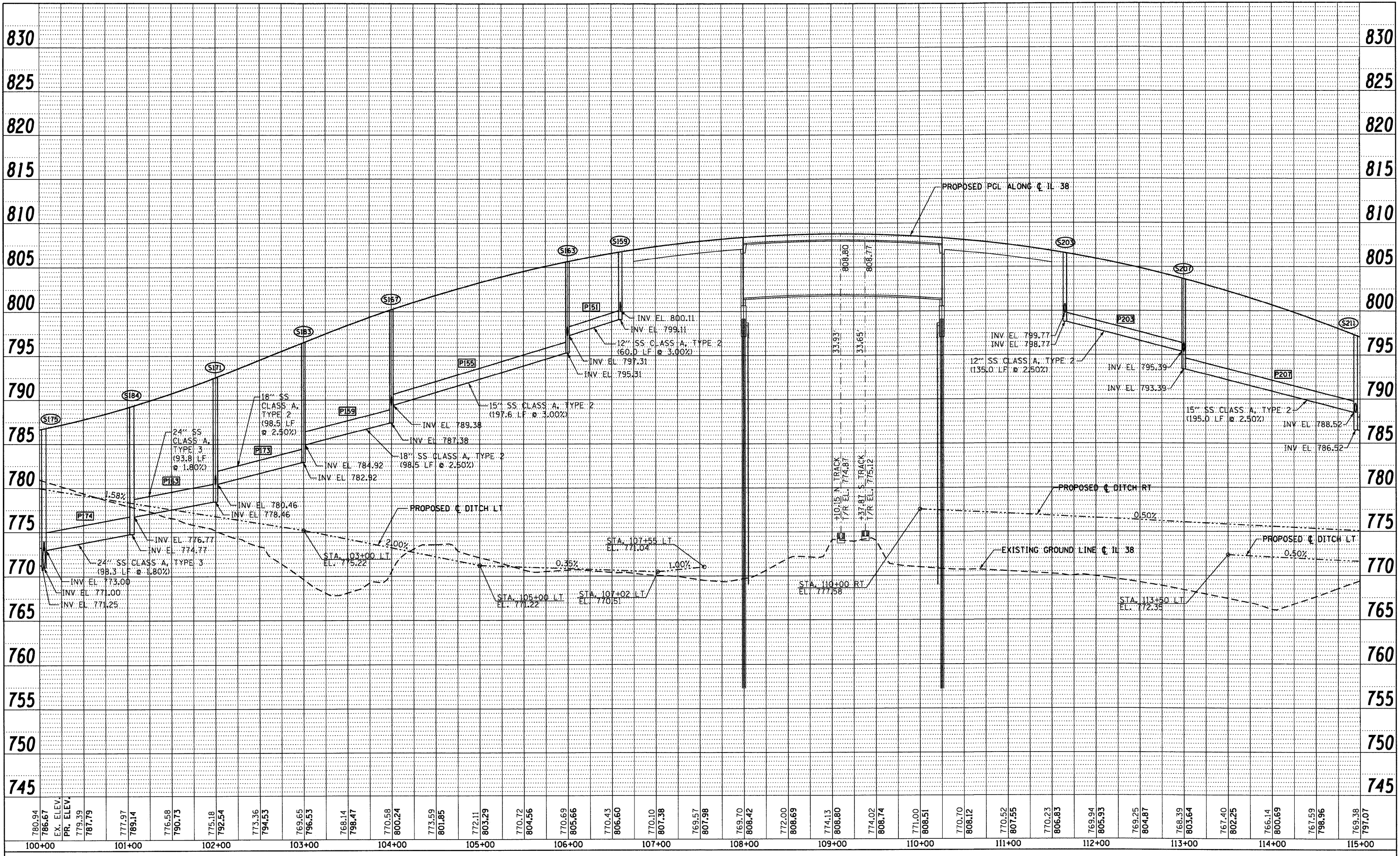


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PLOT DATE = 10/14/2011		DATE - 10/14/11	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	STRUCTURE		
	NOTATIONS		
	CHFD		



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STATE OF ILLINOIS
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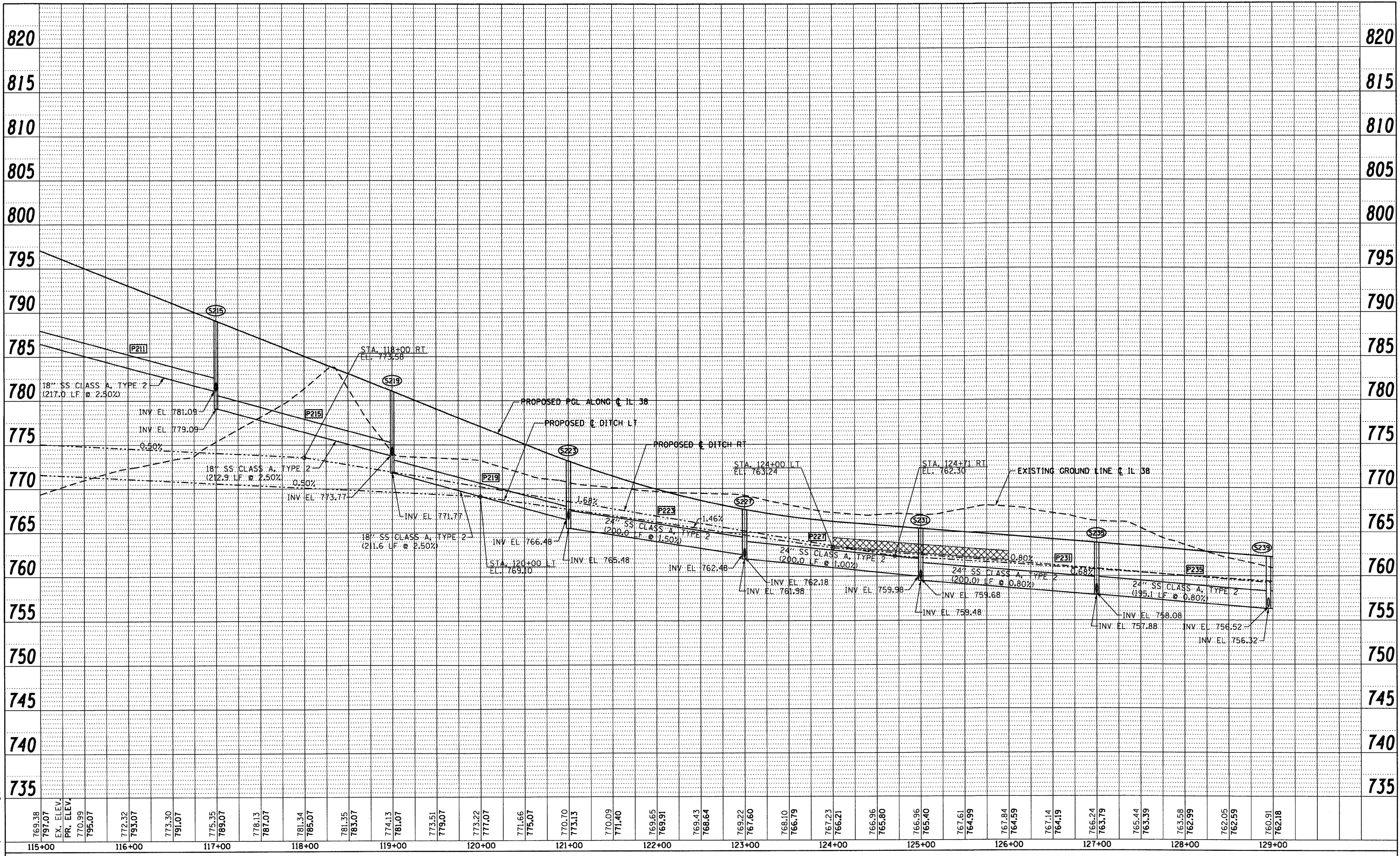
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DP-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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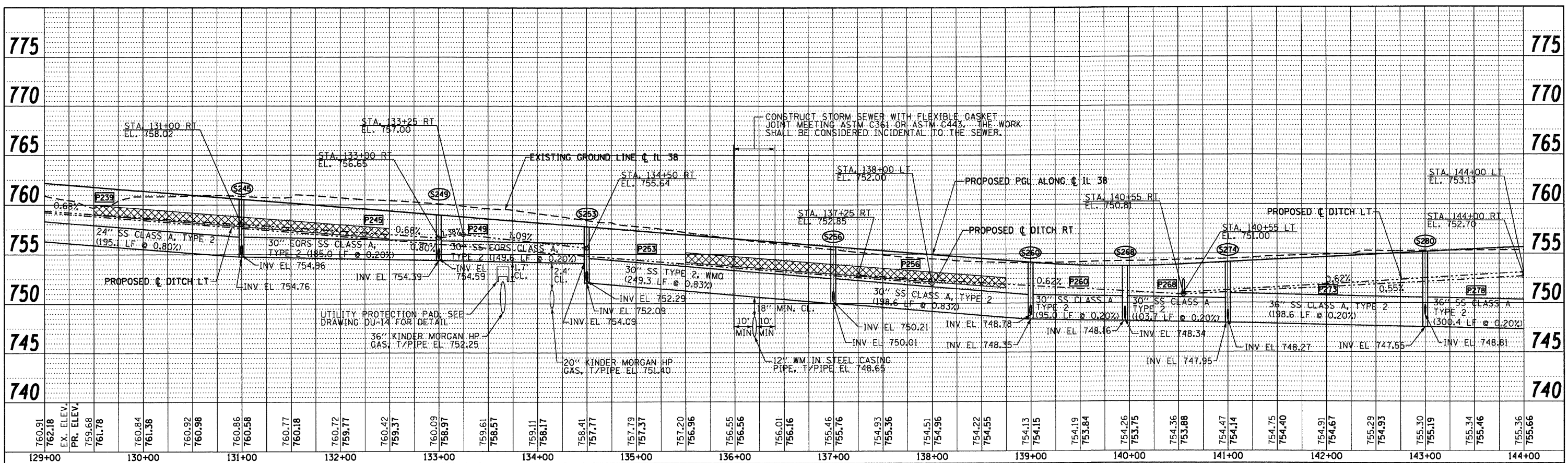
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IL 38 DRAINAGE PROFILE

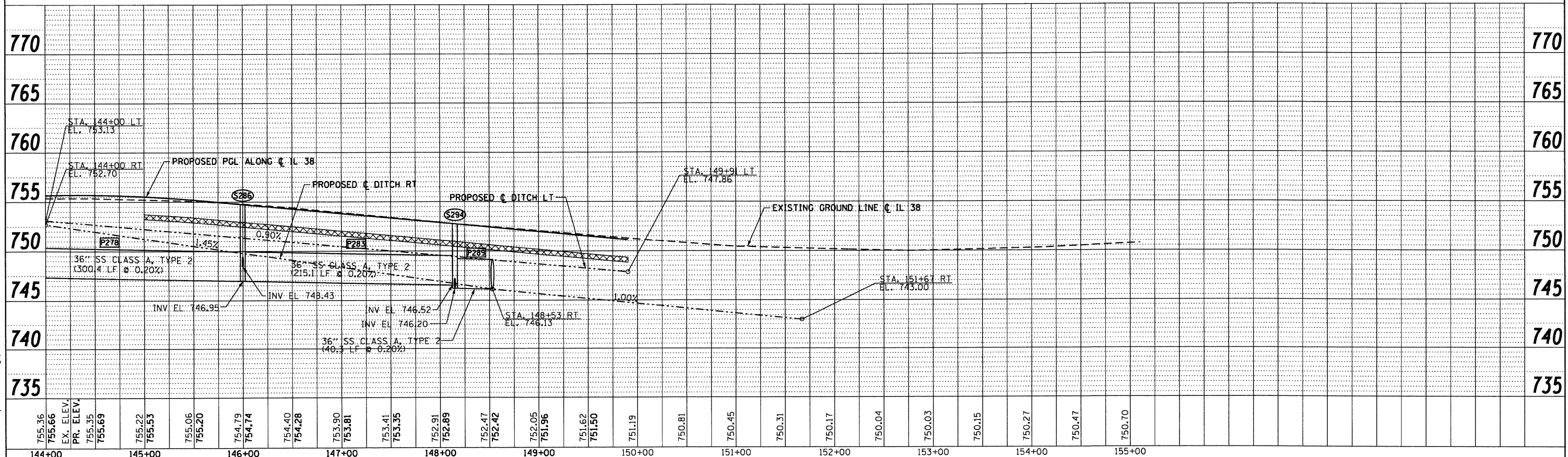
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347	LY (HB & VB)	DUPAGE/KANE	421	84
DP-3		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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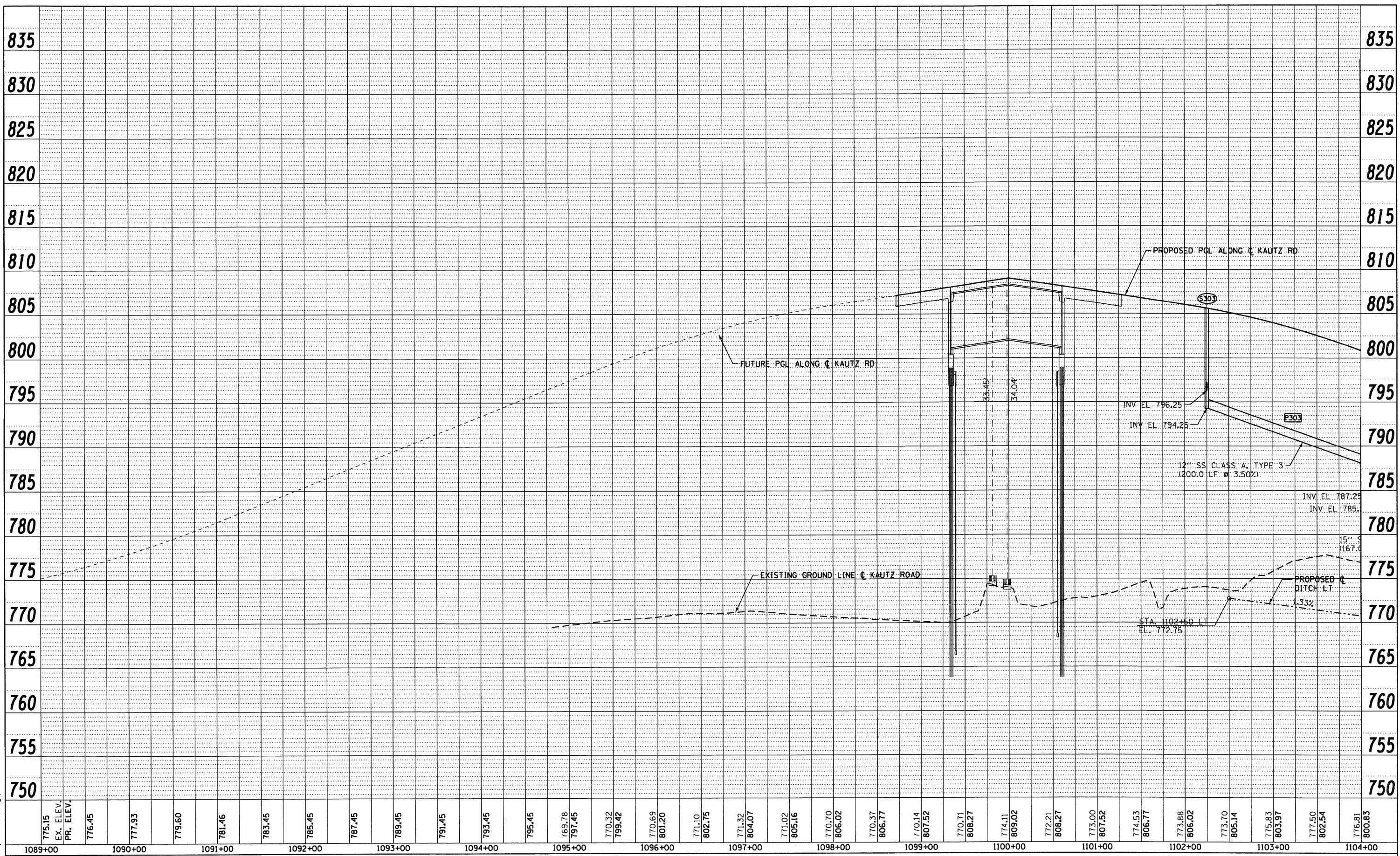


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DATE - 10/14/11	REVISED -

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DEPARTMENT OF TRANSPORTATION

KAUTZ ROAD DRAINAGE PROFILE

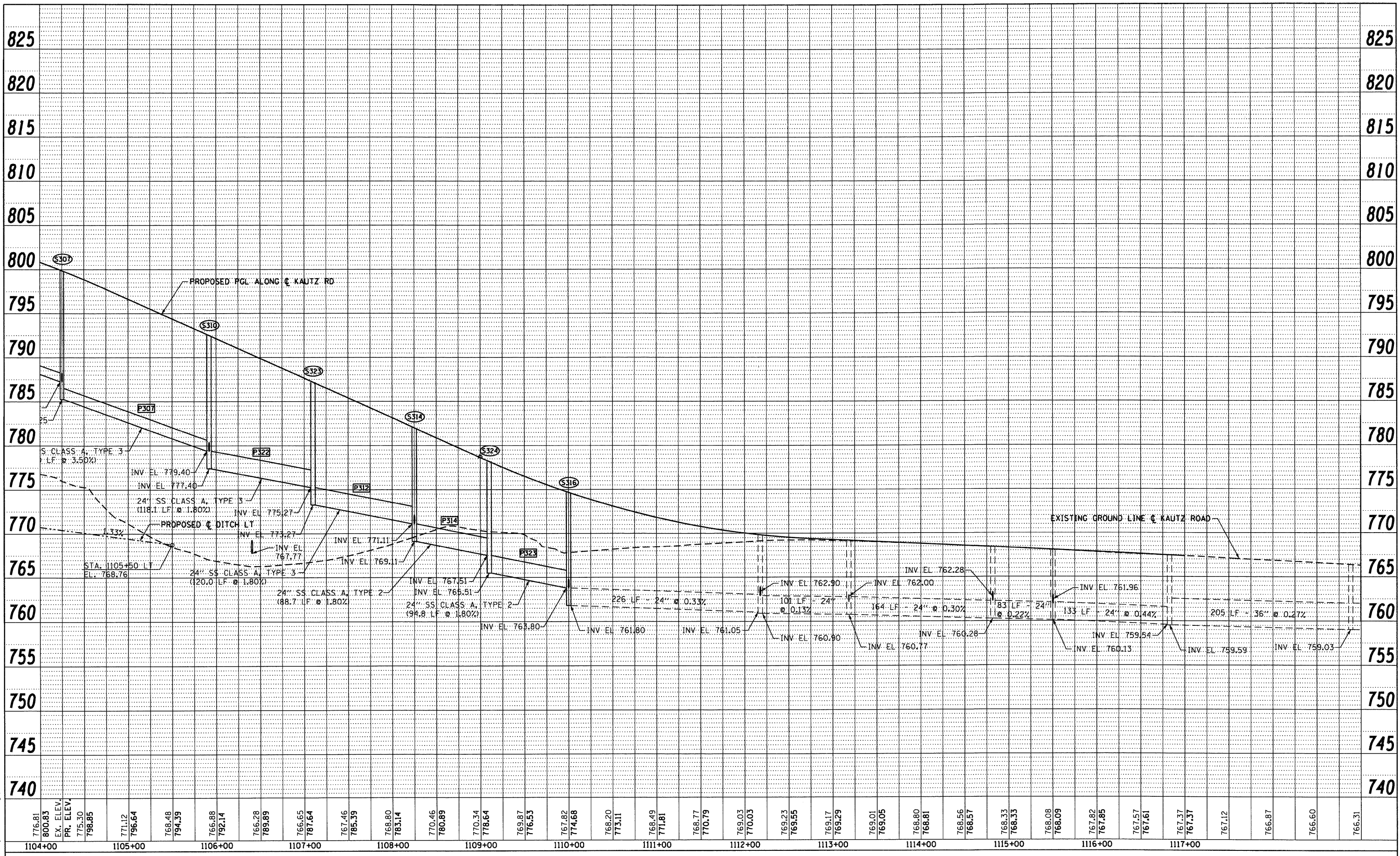
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DP-5		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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 DEPARTMENT OF TRANSPORTATION**

KAUTZ ROAD DRAINAGE PROFILE

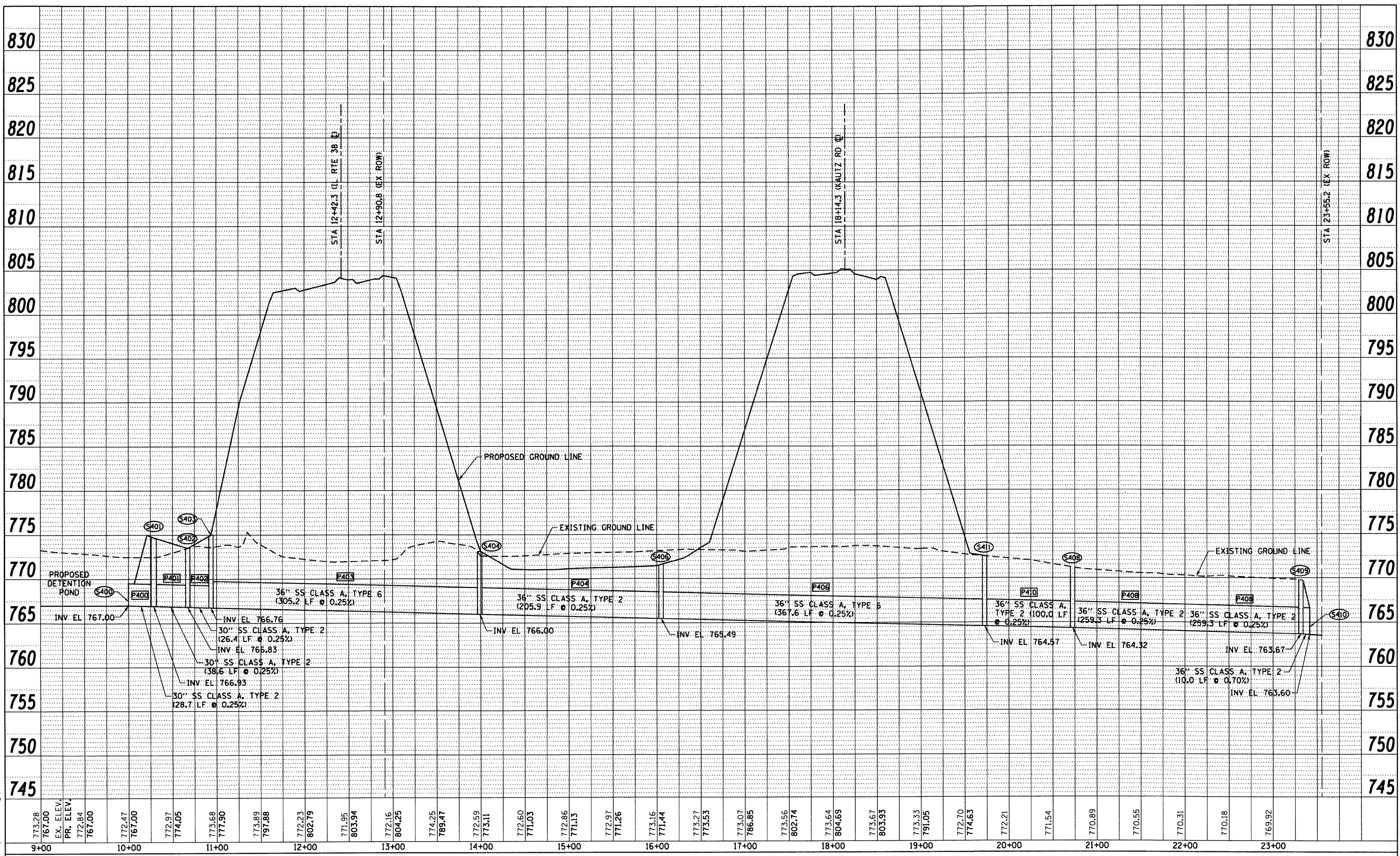
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	87
DP-6		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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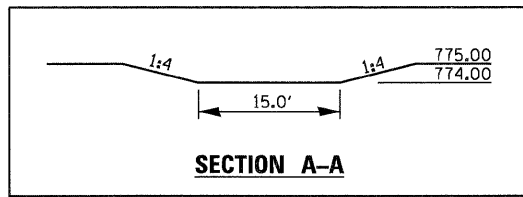
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SCALE: 1"=50' H₁ 1"=5' V
SHEET NO. 7 OF 7 SHEETS
STA. 100+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	88
DP-7		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

IL RTE 38

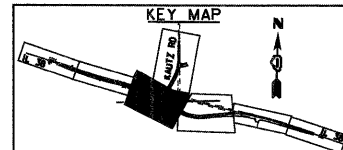


EMERGENCY OVERFLOW
AT ELEVATION 774.00
SEE SECTION A-A

PROPOSED DETENTION POND
6.3 AC-FT OF STORAGE
BOTTOM OF POND EL = 767.00 MIN.
100-YR HIGH WATER EL = 772.93
TOP OF POND EL = 775.00
DRY BOTTOM POND

UNION PACIFIC RR UNION PACIFIC RAILROAD

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601



FILE NAME = D:\60122-SHT-POND01.dgn
USER NAME = YKlm

DESIGNED - YSK	REVISED -
DRAWN - YSK	REVISED -
CHECKED - EJC	REVISED -
DATE - 10/14/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

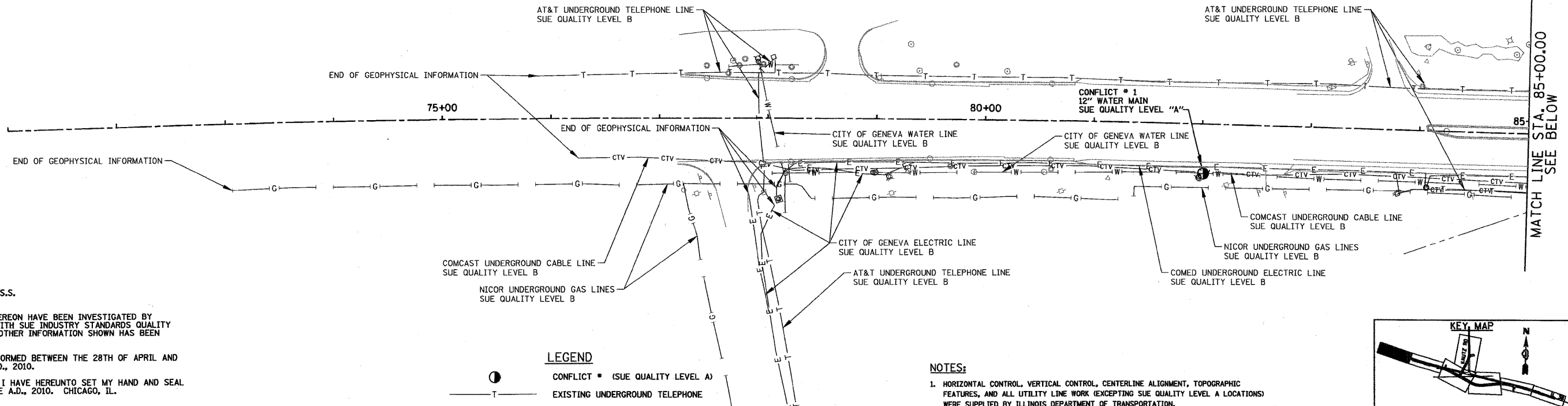
DETENTION POND GRADING PLAN

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	89
PND-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT NO.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
1	12" WATER MAIN	1900702.48	1000537.92	82+01.22	44.96' RT.	780.03	2.58	782.61	CITY OF GENEVA
2	12" WATER MAIN	1900437.08	1001295.78	90+01.57	46.62' RT.	780.18	3.28	783.46	CITY OF GENEVA
3	WATER MAIN	1900250.29	1002021.88	97+49.61	47.60' RT.	778.00	5.06	783.06	CITY OF GENEVA
4	2" CABLE TV CONDUIT	1900194.08	1002210.82	99+49.71	48.87' RT.	772.42	4.66	777.08	COMCAST
5	12" GAS MAIN	1900199.30	1002212.88	99+50.07	43.27' RT.	771.98	5.28	777.26	NICOR



STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 28TH OF APRIL AND 27TH DAY OF MAY, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 1ST DAY OF JUNE A.D., 2010. CHICAGO, IL.



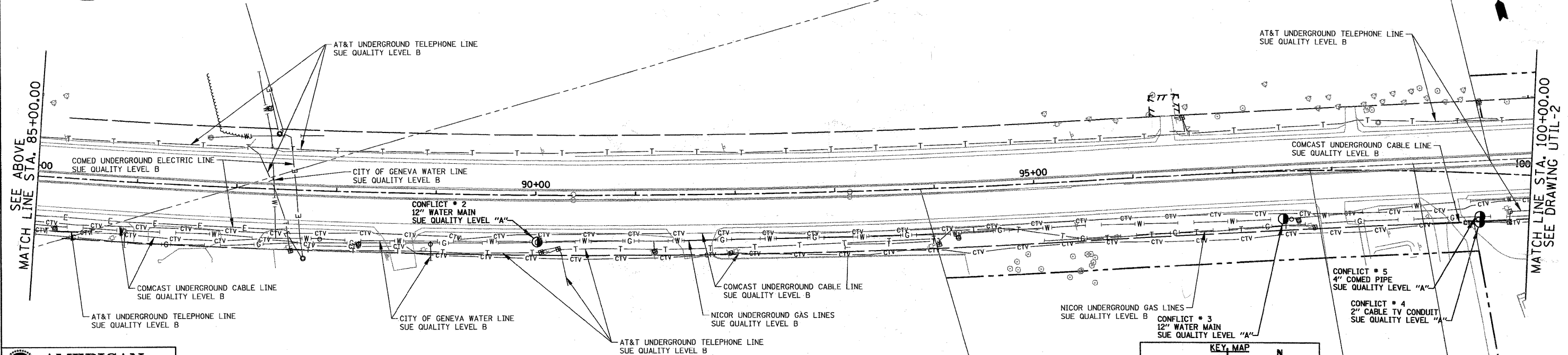
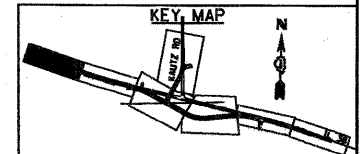
Steven M. Riens
STEVEN M. RIENS - ILLINOIS PROFESSIONAL
ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011

LEGEND

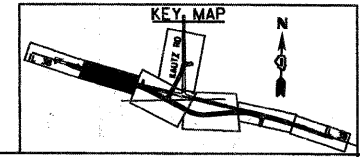
- CONFLICT * (SUE QUALITY LEVEL A)
- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60012, DATED DECEMBER 19, 2008.
- PREVIOUS QLA AND QLB DESIGNATION PERFORMED FOR WORK ORDERS 338 AND 345 ARE SHOWN HEREON.



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SURVEYORS - ENGINEERS
GEODESISTS - MAPPING SCIENTISTS
Chicago 312-277-2000 / Fax 312-277-2002
Ottawa 815-288-6231 / Fax 815-288-6277
Aurora 603-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

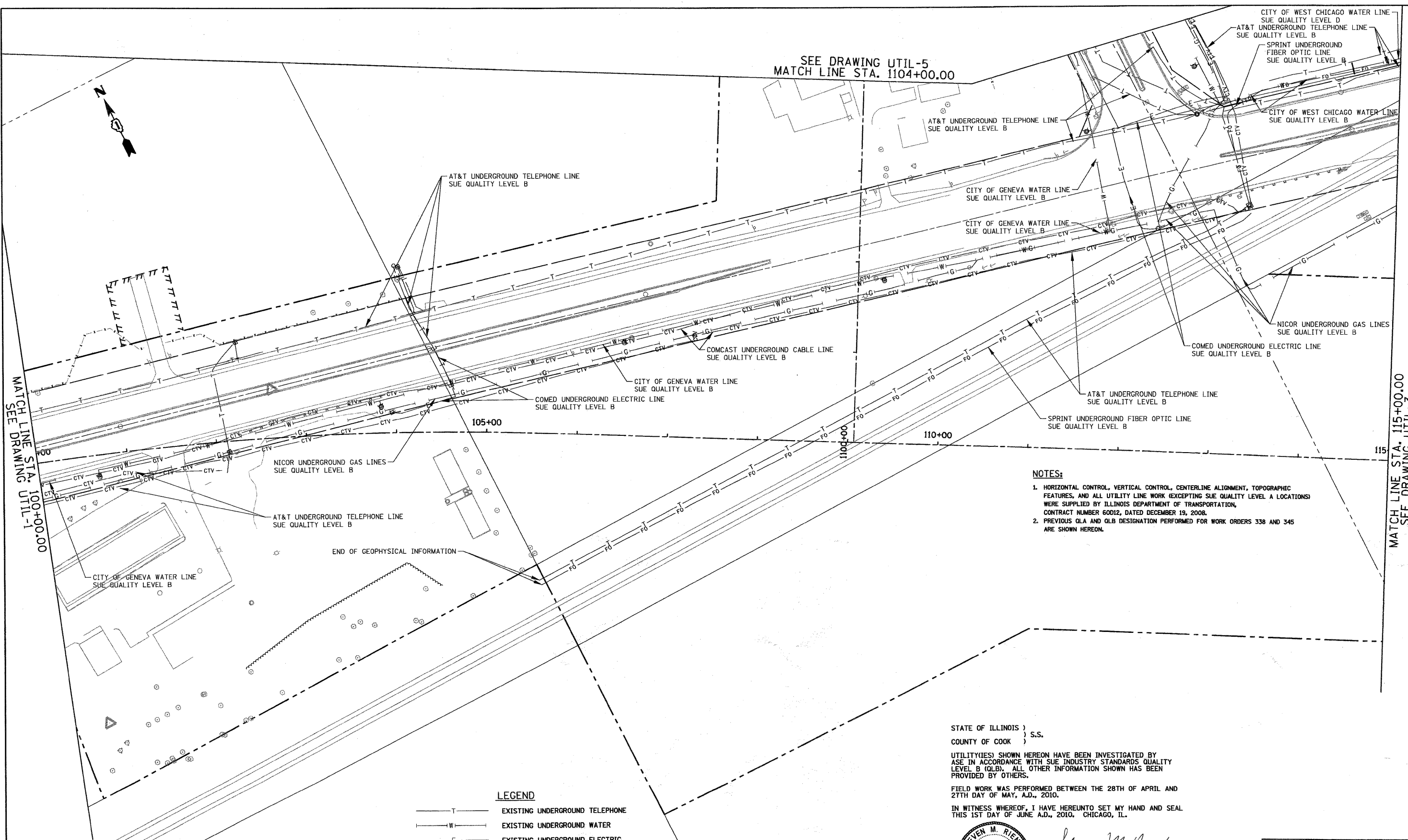


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	PLOT SCALE = 58.000000' / IN.	DRAWN - - -	REVISED - - -			SCALE: 1"=50'	SHEET NO. 1 OF 5 SHEETS	STA. BEGIN	TO STA.	100+00	(ILLINOIS) FED. AID PROJECT
	PLOT DATE = 6/1/2010	CHECKED - - -	REVISED - - -			CONTRACT NO.					
		DATE	REVISED								

SEE DRAWING UTIL-5
MATCH LINE STA. 1104+00.00

MATCH LINE STA. 100+00.00
SEE DRAWING UTIL-1

MATCH LINE STA. 115+00.00
SEE DRAWING UTIL-3



NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60D12, DATED DECEMBER 19, 2008.
- PREVIOUS QLA AND QLB DESIGNATION PERFORMED FOR WORK ORDERS 338 AND 345 ARE SHOWN HEREON.

END OF GEOPHYSICAL INFORMATION

LEGEND

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC

STATE OF ILLINOIS)
) S.S.
COUNTY OF COOK)

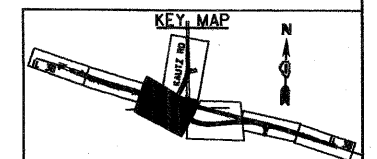
UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 28TH OF APRIL AND 27TH DAY OF MAY, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 1ST DAY OF JUNE A.D., 2010. CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL
ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011



AMERICAN
SURVEYING & ENGINEERING, P.C.
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Aurora 603-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

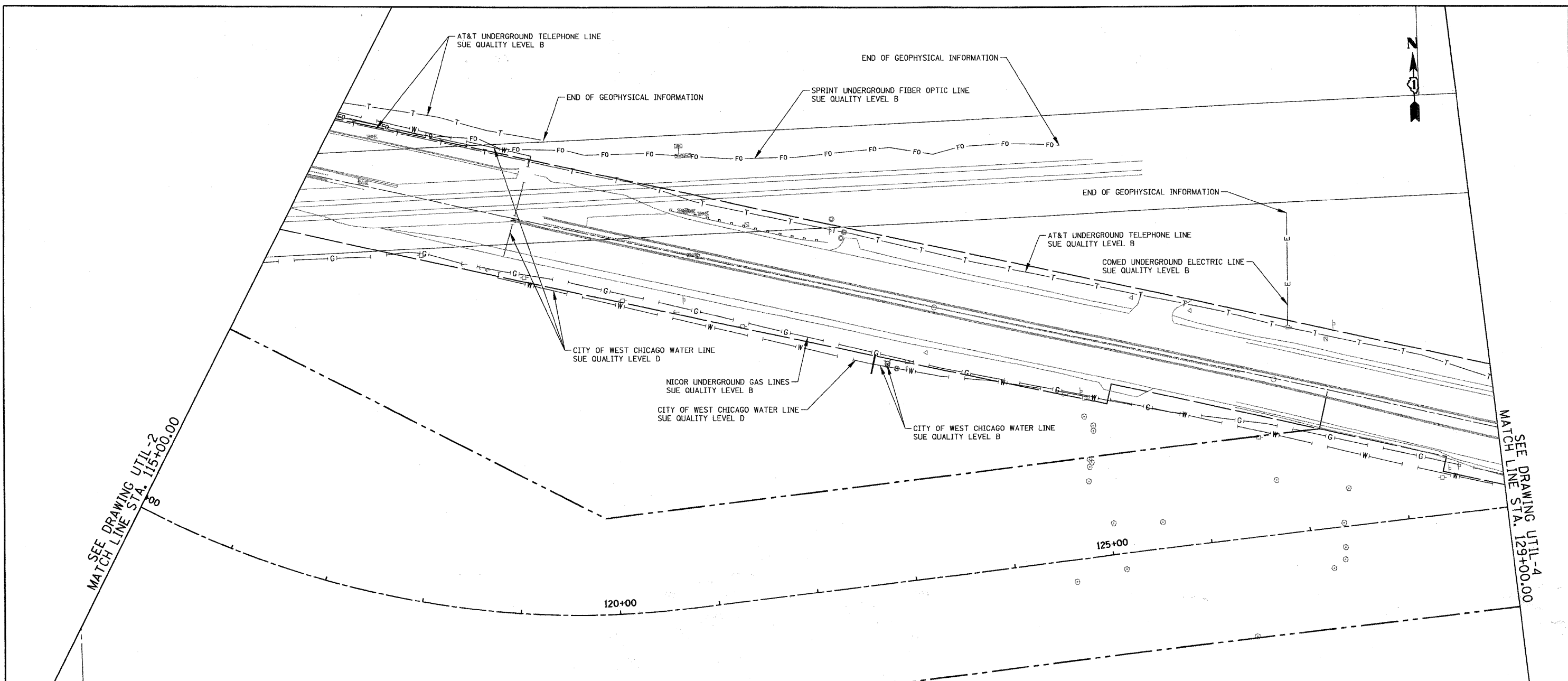
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CHECKED - ---	REVISED - ---
DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=50'	SHEET NO. 2 OF 5 SHEETS	STA. 100+00 TO STA. 115+00
---------------	-------------------------	----------------------------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			421	91
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



SEE DRAWING UTIL-2
MATCH LINE STA. 115+00.00

SEE DRAWING UTIL-4
MATCH LINE STA. 129+00.00

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60D12, DATED DECEMBER 19, 2008.
- PREVIOUS QLA AND QLB DESIGNATION PERFORMED FOR WORK ORDERS 338 AND 345 ARE SHOWN HEREON.

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 28TH OF APRIL AND 27TH DAY OF MAY, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 1ST DAY OF JUNE A.D., 2010, CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011

LEGEND

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC

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Illinois Professional Design Firm No. 184-003192

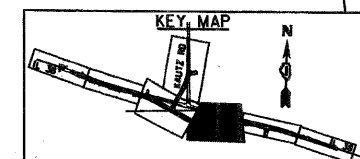
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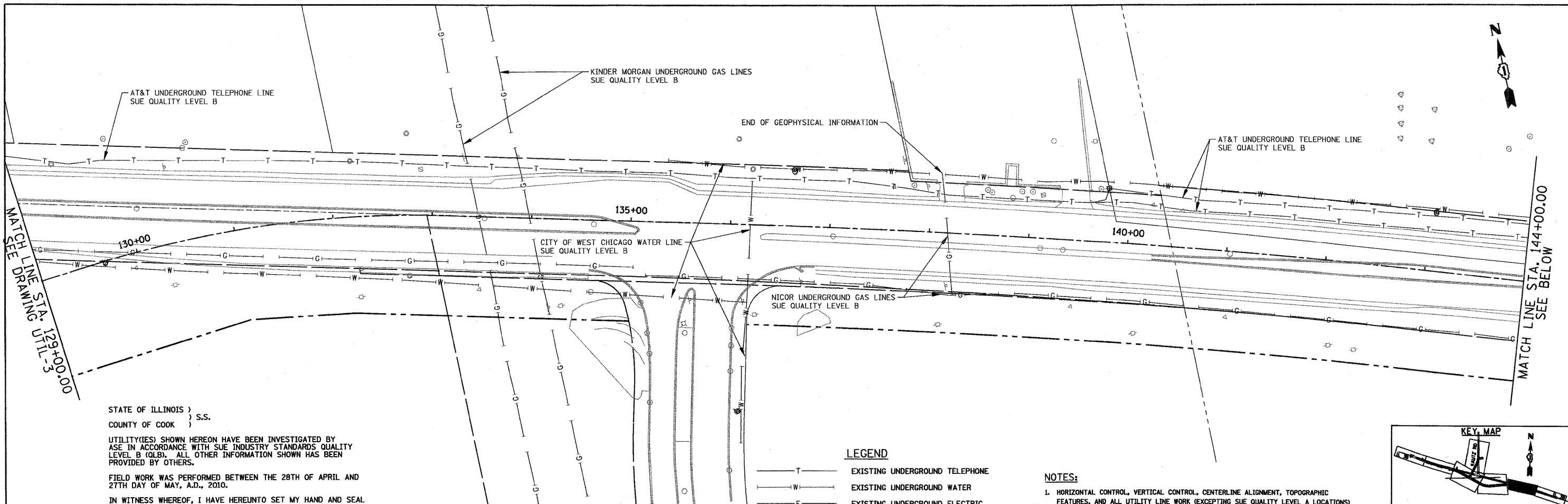
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUE INVESTIGATION OF
UNDERGROUND UTILITIES**

SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. 115+00 TO STA. 129+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			421	92
CONTRACT NO.			ILLINOIS FED. AID PROJECT	





STATE OF ILLINOIS)
 COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 28TH OF APRIL AND 27TH DAY OF MAY, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 1ST DAY OF JUNE A.D., 2010. CHICAGO, IL.



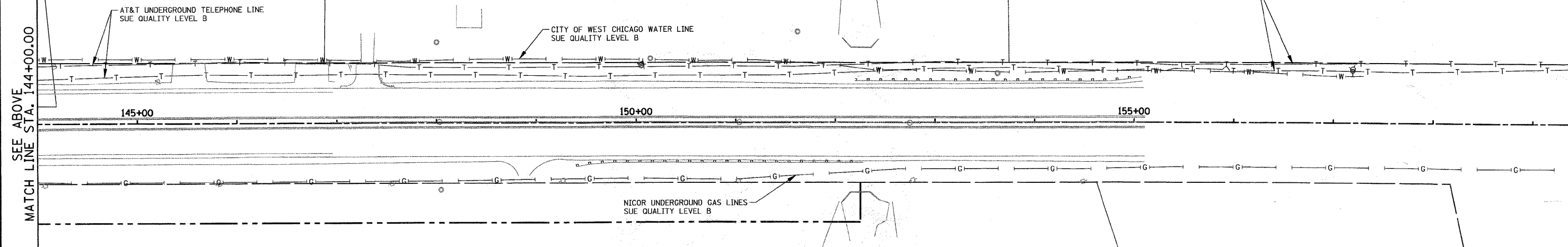
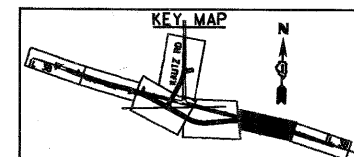
Steven M. Riens
 STEVEN M. RIENS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
 MY LICENSE EXPIRES 11/30/2011

LEGEND

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV

NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60D12, DATED DECEMBER 19, 2008.
2. PREVIOUS QLA AND QLB DESIGNATION PERFORMED FOR WORK ORDERS 338 AND 345 ARE SHOWN HEREON.



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 Drexel 815-288-6231 / Fax 815-288-6277
 Aurora 603-897-4105 / Fax 630-897-4121
 Illinois Professional Design Firm No. 184-003192

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DATE - 6/1/2010	REVISOR - ---

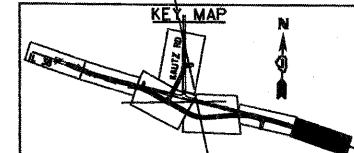
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DATE - 6/1/2010	REVISOR - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUE INVESTIGATION OF
 UNDERGROUND UTILITIES**

SCALE: 1"=50' SHEET NO. 4 OF 5 SHEETS STA. 129+00 TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			421	93
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

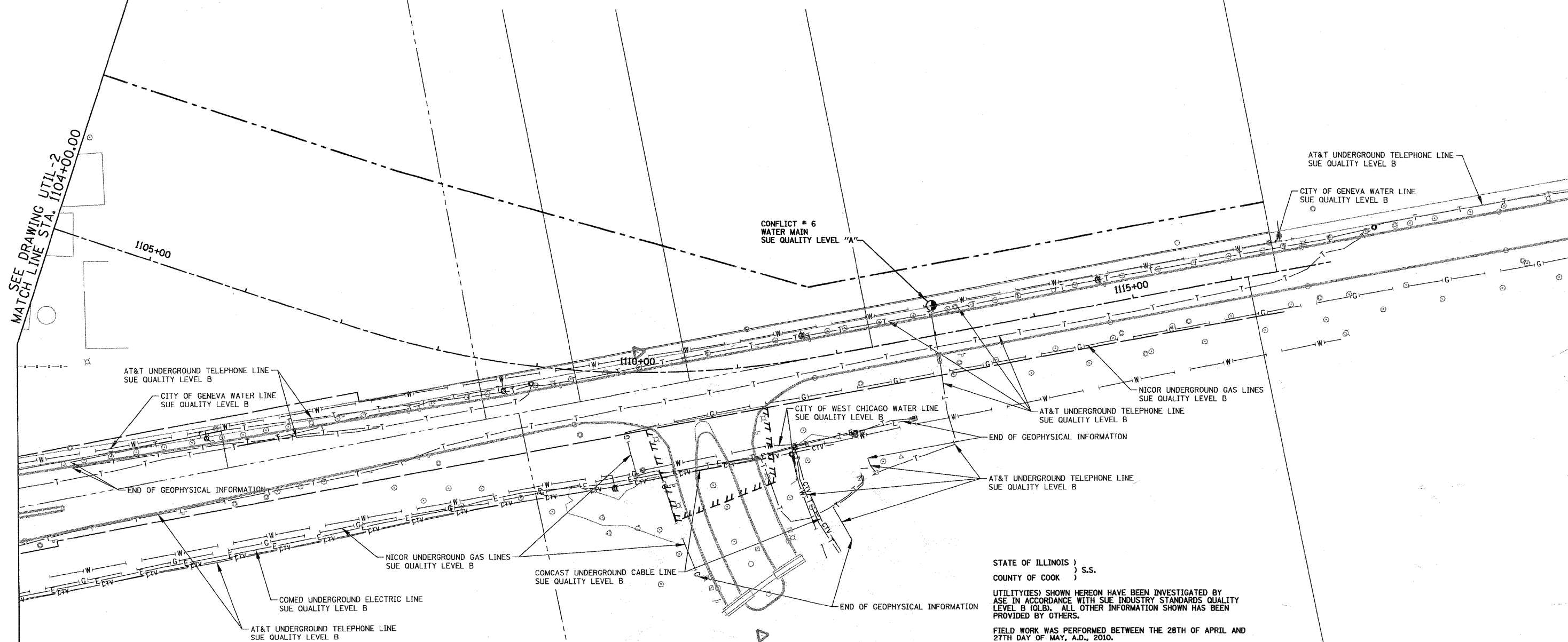




VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT NO.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
6	WATER MAIN	1901027.29	1003516.97	1113+00.94	30.02' LT.	759.26	8.77	768.03	CITY OF GENEVA

SEE DRAWING UTIL-2
MATCH LINE STA. 1104+00.00



LEGEND

- CONFLICT # (SUE QUALITY LEVEL A)
- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV

NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60D12, DATED DECEMBER 19, 2008.
2. PREVIOUS QLA AND QLB DESIGNATION PERFORMED FOR WORK ORDERS 338 AND 345 ARE SHOWN HEREON.

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

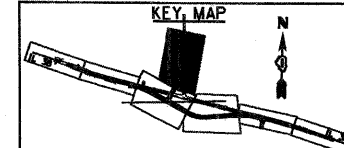
UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 28TH OF APRIL AND 27TH DAY OF MAY, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 1ST DAY OF JUNE A.D., 2010. CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011



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Illinois Professional Design Firm No. 184-003192

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DATE = 6/1/2010		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF
UNDERGROUND UTILITIES

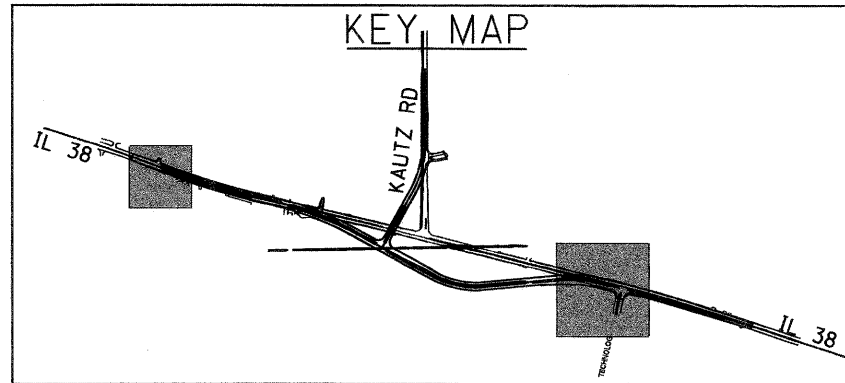
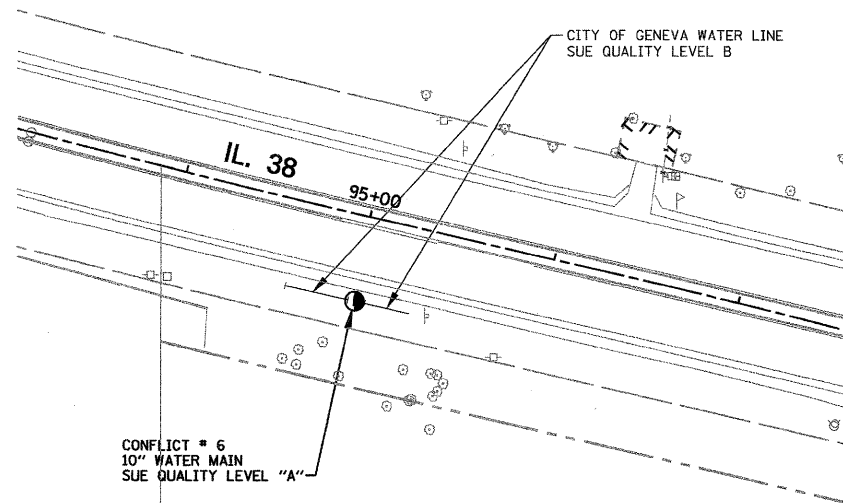
SCALE: 1"=50' SHEET NO. 5 OF 5 SHEETS STA. 1104+00 TO STA. END

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			421	94
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A



CONFLICT NO.	SIZE/TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE ELEV.	COMMENTS
1	15" STEEL WATER MAIN	1899342.900	1005675.580	136+18.68	68.15' RT	748.65	7.92	756.57	CITY OF WEST CHICAGO
2	20" STEEL GAS MAIN	1899392.440	1005476.100	134+12.94	67.47' RT	751.40	5.05	756.45	NATURAL GAS PIPELINE
2A	3" VENT PIPE	1899392.290	1005475.800	134+12.68	67.69' RT	753.15	3.30	756.45	NATURAL GAS PIPELINE
3	36" STEEL GAS MAIN	1899402.990	1005425.810	133+61.58	69.18' RT	752.25	4.50	756.75	NATURAL GAS PIPELINE
3A	3" VENT PIPE	0	0	0	0	0.00	0.00	756.75	NATURAL GAS PIPELINE, NO VENT PIPE FOUND
4	20" STEEL GAS MAIN	1899516.09	1005477.79	133+85.19	53.04' LT	751.38	4.74	756.12	NATURAL GAS PIPELINE
4A	3" VENT PIPE	1899515.95	1005478.88	133+86.28	53.16' LT	753.62	2.50	756.12	NATURAL GAS PIPELINE
5	36" STEEL GAS MAIN	1899522.59	1005426.67	133+33.99	47.20' LT	752.24	4.55	756.79	NATURAL GAS PIPELINE
5A	3" VENT PIPE	1899522.75	1005426.17	133+33.47	47.24' LT	752.89	3.90	756.79	NATURAL GAS PIPELINE
6	10" STEEL WATER MAIN	1900308.92	1001782.52	95+02.04	45.31' RT	778.77	3.76	782.53	CITY OF GENEVA

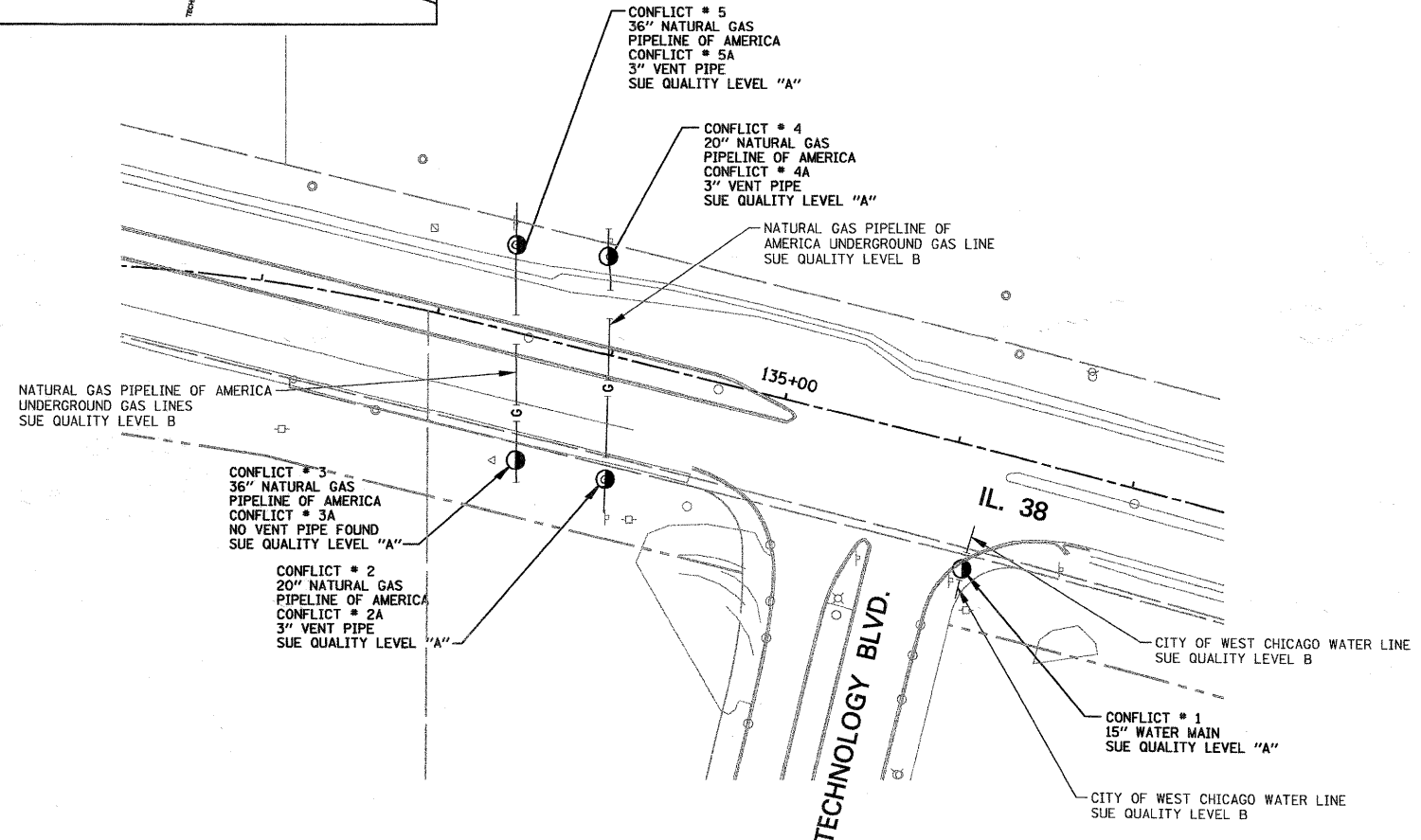


NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND ALL UTILITY LINE WORK (EXCEPTING SUE QUALITY LEVEL A LOCATIONS) WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, CONTRACT NUMBER 60D12, DATED DECEMBER 19, 2008.

LEGEND

- CONFLICT # (SUE QUALITY LEVEL A)
- W— EXISTING UNDERGROUND WATER
- G— EXISTING UNDERGROUND GAS



STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 21ST OF FEBRUARY AND 28TH DAY OF FEBRUARY, A.D., 2011.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 28TH DAY OF FEBRUARY A.D., 2011. CHICAGO, IL.



Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL
ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2011

AMERICAN
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SURVEYORS • ENGINEERS
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Aurora 630-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

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PLOT DATE = 2/28/2011	CHECKED - ---	REVISED -
	DATE - ---	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE INVESTIGATION OF
UNDERGROUND UTILITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			421	95
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SANMH1
MAN TA SAN 4 D TIF CL
4" DIA.
STA 10+00.00
N 1899751.4
E 1002192.0
RIM EL 774.50
INV EL 754.35 (N)
INV EL 754.2± (E,W)

SANMH2
MAN TA SAN 4 D TIF CL
4" DIA.
STA 11+33.83
N 1899885.1
E 1002190.9
RIM EL 775.50
INV EL 754.53 (N,S)

SANMH3
MAN TA SAN 4 D TIF CL
4" DIA.
STA 13+88.93
N 1900138.7
E 1002218.0
RIM EL 775.50
INV EL 754.93 (N,S)

SANMH4
MAN TA SAN 4 D TIF CL
4" DIA.
STA 15+70.67
N 1900307.9
E 1002284.5
RIM EL 780.50
INV EL 755.20 (E,S)

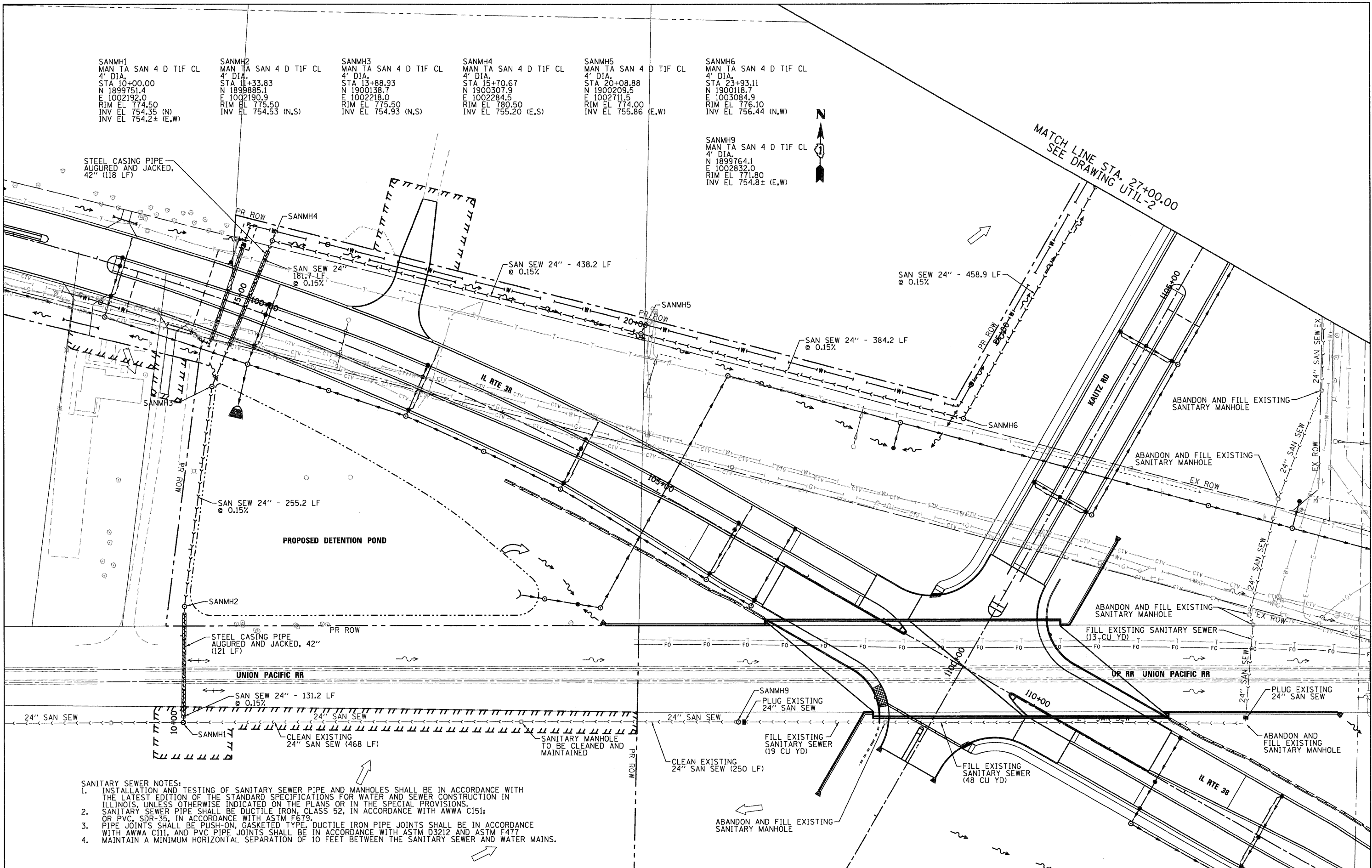
SANMH5
MAN TA SAN 4 D TIF CL
4" DIA.
STA 20+08.88
N 1900209.5
E 1002711.5
RIM EL 774.00
INV EL 755.86 (E,W)

SANMH6
MAN TA SAN 4 D TIF CL
4" DIA.
STA 23+93.11
N 1900118.7
E 1003084.9
RIM EL 776.10
INV EL 756.44 (N,W)

SANMH9
MAN TA SAN 4 D TIF CL
4" DIA.
N 1899764.1
E 1002832.0
RIM EL 771.80
INV EL 754.8± (E,W)



MATCH LINE STA. 27+00.00
SEE DRAWING UTIL-2



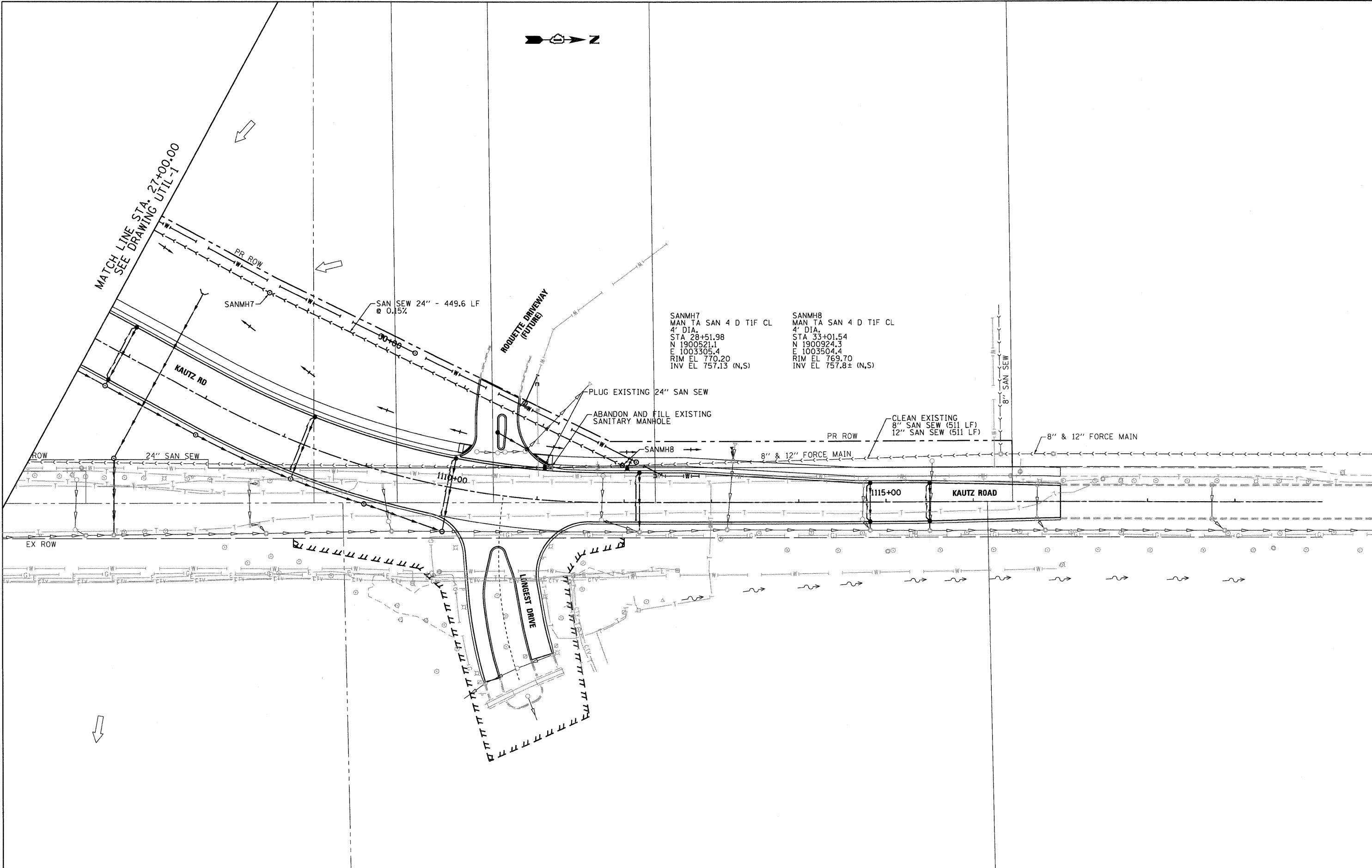
- SANITARY SEWER NOTES:**
1. INSTALLATION AND TESTING OF SANITARY SEWER PIPE AND MANHOLES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
 2. SANITARY SEWER PIPE SHALL BE DUCTILE IRON, CLASS 52, IN ACCORDANCE WITH AWWA C151; OR PVC, SDR-35, IN ACCORDANCE WITH ASTM F679.
 3. PIPE JOINTS SHALL BE PUSH-ON, GASKETED TYPE. DUCTILE IRON PIPE JOINTS SHALL BE IN ACCORDANCE WITH AWWA C111, AND PVC PIPE JOINTS SHALL BE IN ACCORDANCE WITH ASTM D3212 AND ASTM F477
 4. MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN THE SANITARY SEWER AND WATER MAINS.

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FILE NAME = 0168122-SHT-UTIL01.dgn	USER NAME = E-rig	DESIGNED - YSK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SANITARY SEWER RELOCATION PLAN	F.A.P. RTE. 347	SECTION LY (HB & VB)	COUNTY DUPAGE/KANE	TOTAL SHEETS 421	SHEET NO. 96
PLOT SCALE = 1:50	CHECKED - E.JG	REVISOR -	REVISOR -			UTIL-1	CONTRACT NO. 60122			
PLOT DATE = 12/9/2011	DATE - 12/09/11	REVISOR -	REVISOR -			FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			
SCALE: 1"=50'		SHEET NO. 1 OF 3 SHEETS				STA. TO STA.				



MATCH LINE STA. 27+00.00
SEE DRAWING UTIL-1



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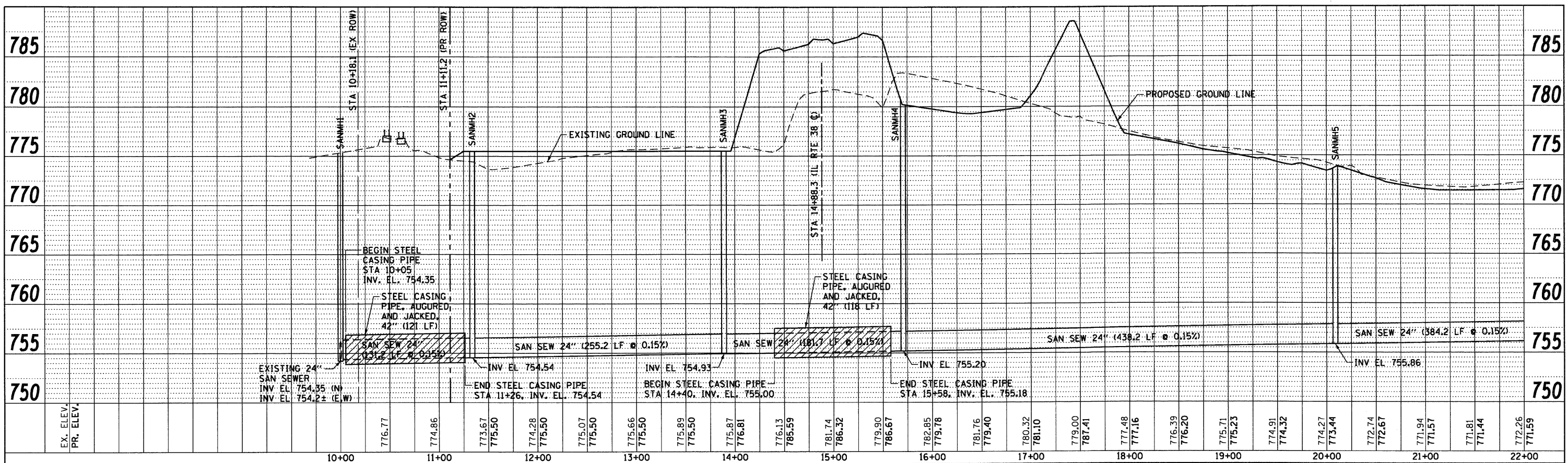
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

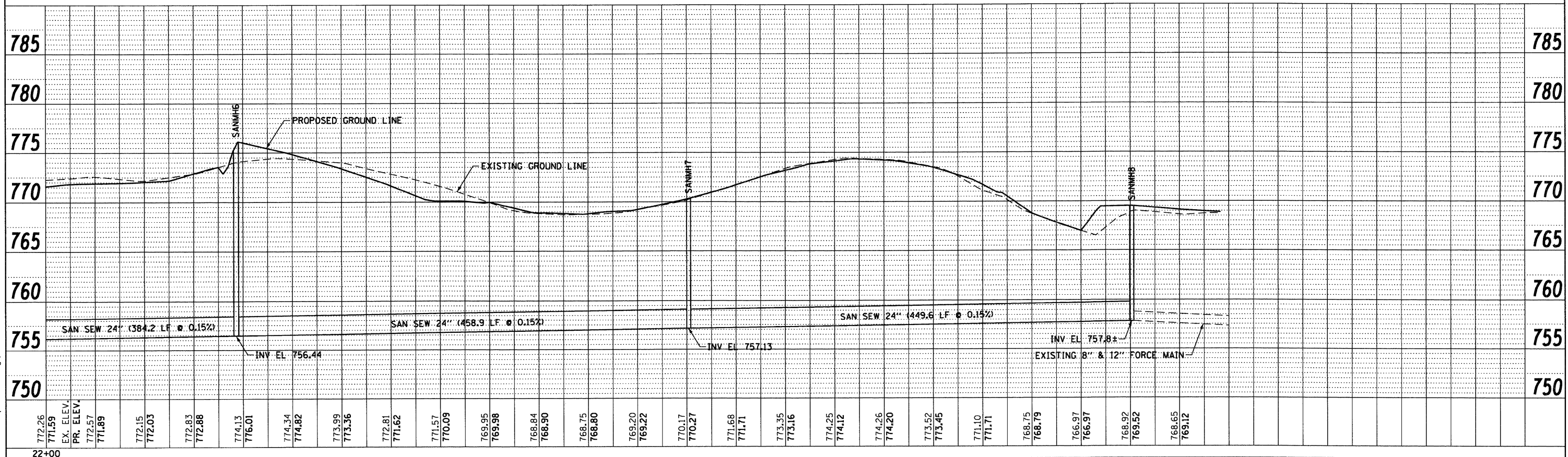
SANITARY SEWER RELOCATION PLAN
 SCALE: 1"=50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	97
UTIL-2		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	BY	
	NO.	



PROFILE	SURVEYED	DATE
	ALIGNED	
	NOTED	
	CHECKED	
	BY	
	NO.	



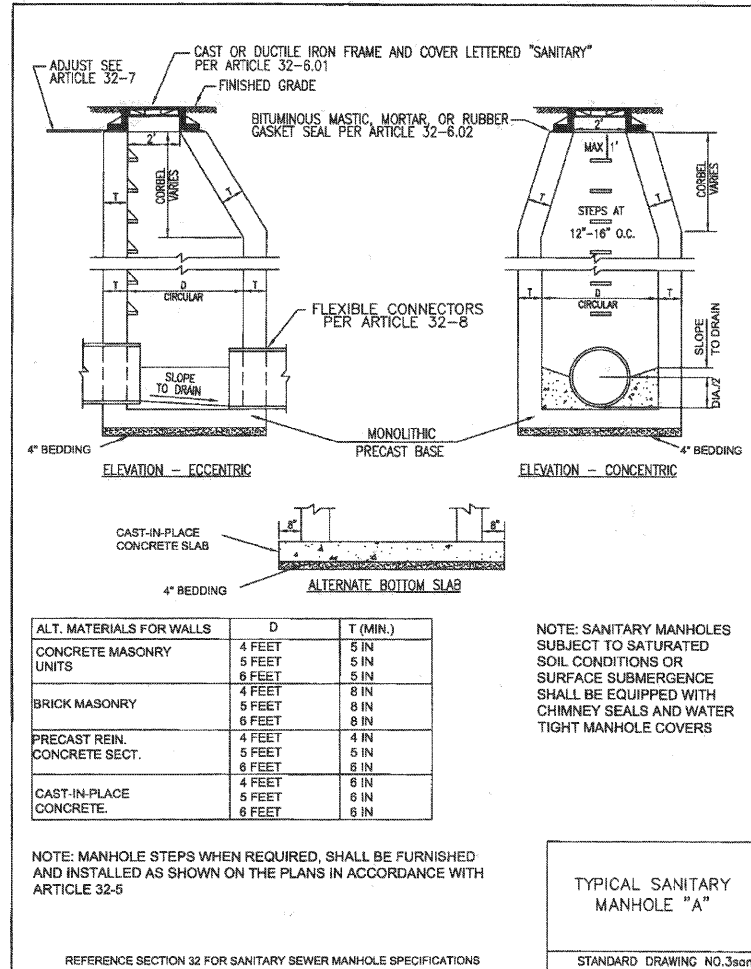
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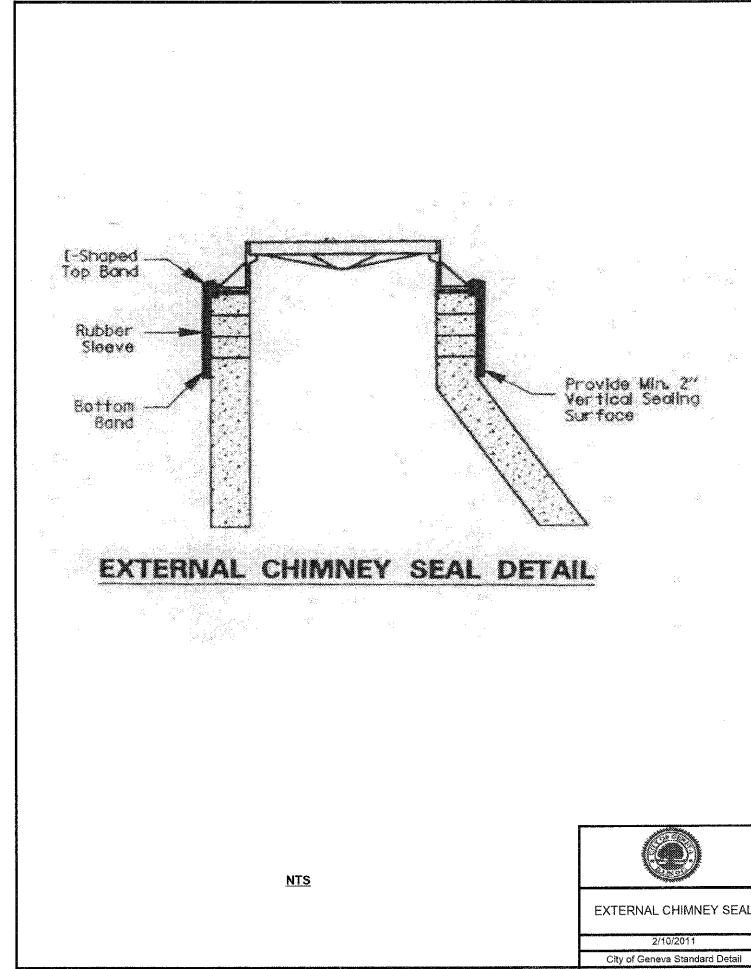
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SANITARY SEWER RELOCATION PROFILE
 SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	98
UTIL-3		CONTRACT NO.	60122	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

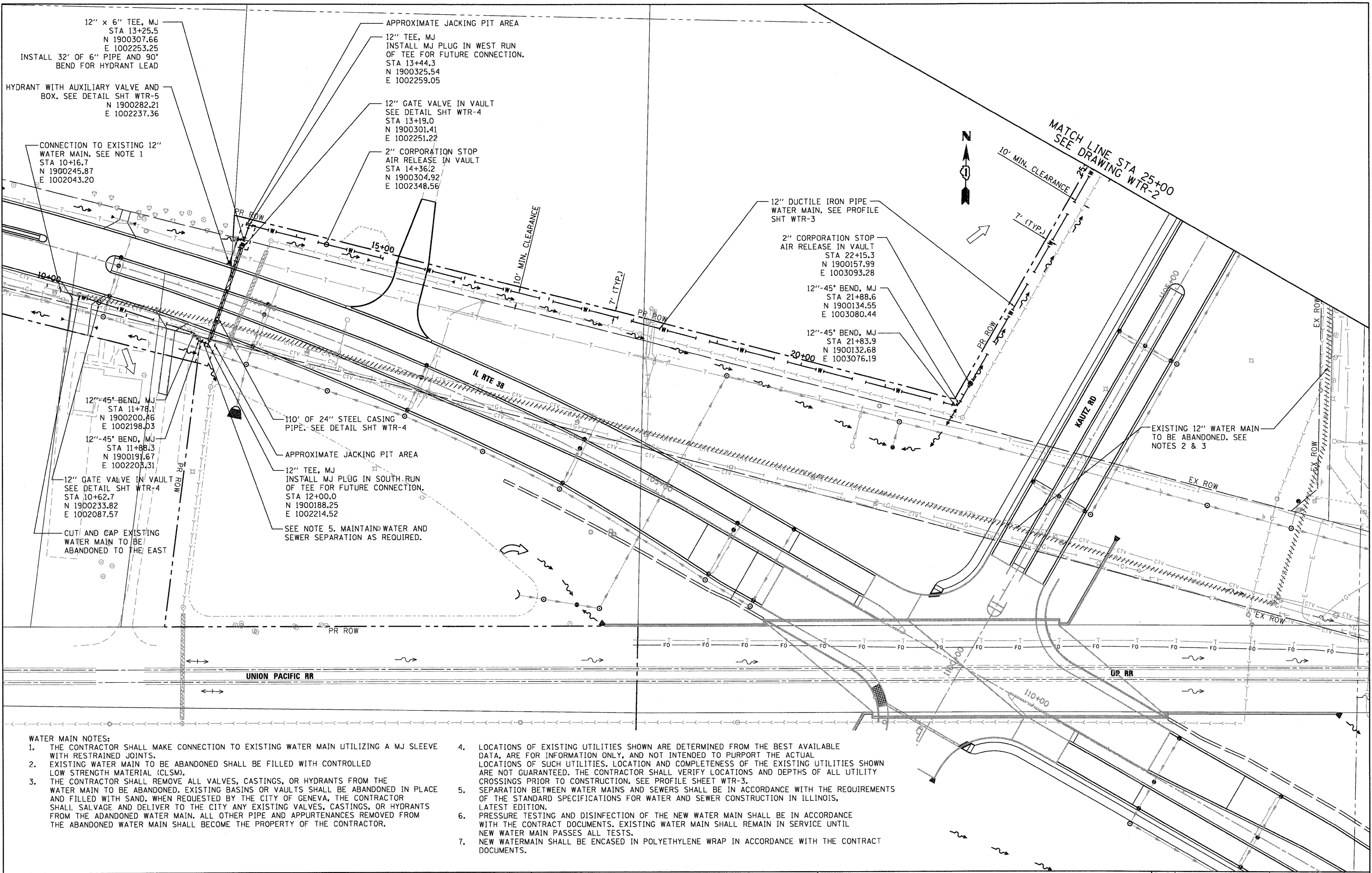


(STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS)



NOTES:

- SANITARY MANHOLES SHALL HAVE RUBBER BOOTS.
- SANITARY MANHOLES SHALL HAVE EXTERNAL CHIMNEY SEAL, "UNI-BAND" AS MANUFACTURED BY INFI-SHIELD OR APPROVED EQUAL.
- SANITARY SEWER MANHOLES SHALL HAVE A CONSEALED PICKHOLE CLOSED LID AND WATERTIGHT GASKET READING "SANITARY".



WATER MAIN NOTES:

1. THE CONTRACTOR SHALL MAKE CONNECTION TO EXISTING WATER MAIN UTILIZING A MJ SLEEVE WITH RESTRAINED JOINTS.
2. EXISTING WATER MAIN TO BE ABANDONED SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM).
3. THE CONTRACTOR SHALL REMOVE ALL VALVES, CASTINGS, OR HYDRANTS FROM THE WATER MAIN TO BE ABANDONED. EXISTING BASINS OR VAULTS SHALL BE ABANDONED IN PLACE AND FILLED WITH SAND. WHEN REQUESTED BY THE CITY OF GENEVA, THE CONTRACTOR SHALL SALVAGE AND DELIVER TO THE CITY ANY EXISTING VALVES, CASTINGS, OR HYDRANTS FROM THE ABANDONED WATER MAIN. ALL OTHER PIPE AND APPURTENANCES REMOVED FROM THE ABANDONED WATER MAIN SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

4. LOCATIONS OF EXISTING UTILITIES SHOWN ARE DETERMINED FROM THE BEST AVAILABLE DATA, ARE FOR INFORMATION ONLY, AND NOT INTENDED TO PURPORT THE ACTUAL LOCATIONS OF SUCH UTILITIES. LOCATION AND COMPLETENESS OF THE EXISTING UTILITIES SHOWN ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION. SEE PROFILE SHEET WTR-3.
5. SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION.
6. PRESSURE TESTING AND DISINFECTION OF THE NEW WATER MAIN SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN PASSES ALL TESTS.
7. NEW WATERMAIN SHALL BE ENCASED IN POLYETHYLENE WRAP IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN	
SCALE: 1"=50'	SHEET NO. 1 OF 5 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	LY (HB & VB)	DUPAGE/KANE	421	100
WTR-1		CONTRACT NO. 60122		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				