February 24, 2005 1:47:39 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
COVER SHEET		+9 =	277
F.H.W.A. REG.5	ILLINOIS	CMF-F-0336(010)	

6-17-05 Letting, Item 184

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.P. ROUTE 336 (RANDALL ROAD - CH34)
F.A.P. ROUTE 307 (IL. ROUTE 64 - MAIN STREET)

COUNTY SECTION NO. 99-00243-00-PV

PROJECT CMF-F-0336(010)

KANE COUNTY

JOB NO. C-91-330-99

INDEX TO SHEETS

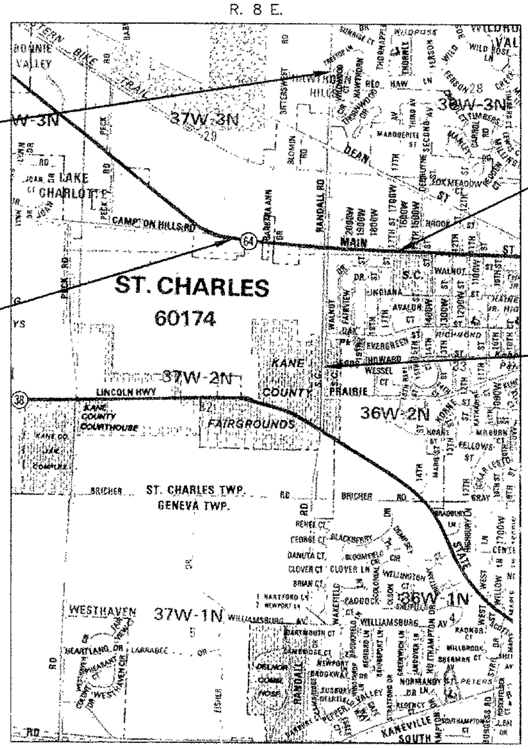
STATE STANDARDS

SEE SHEET 2 FOR STATE STANDARDS

1" = 100'; 1" = 10'; 1" = 50'; 1" = 40'; 1" = 30'; 1" = 20'

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.

CONTRACT NO. 83782



LOCATION MAP
SCALE: 1" = 2000'

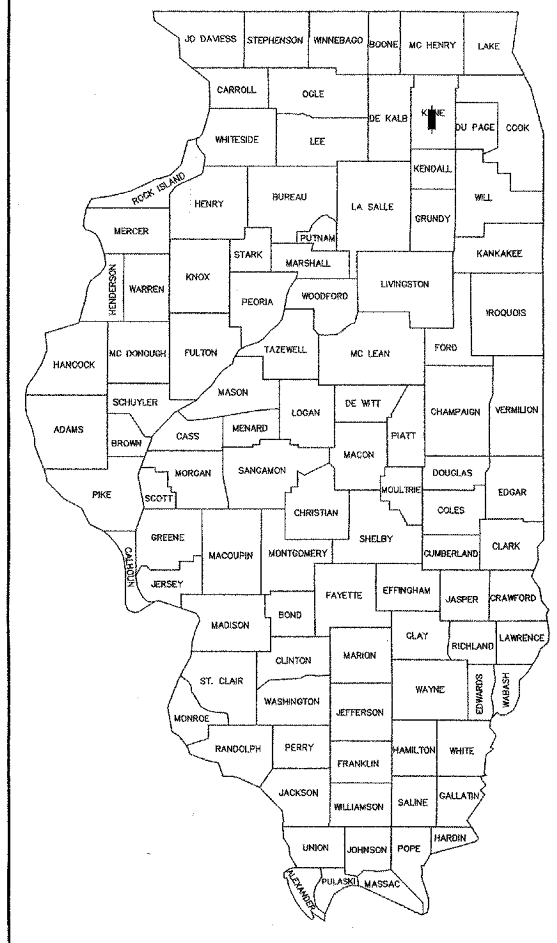
TRAFFIC DATA:	2024 ADT	POSTED / DESIGN SPEED
RANDALL ROAD	55,000	45 / 45
IL. ROUTE 64	36,000	35 / 35

DESIGN DESIGNATION:
FAP 336 RANDALL RD.
7640(24) ARTERIAL 10.88 (PCC-20)
FAP 307 IL. ROUTE 64
5590 (24) PRINCIPAL ARTERIAL 4.89 (FD-20)

NET LENGTH OF RANDALL ROAD	=	6,350 LIN. FT.	(1.203 MILES)
NET LENGTH OF ILLINOIS ROUTE 64	=	3,265 LIN. FT.	(0.618 MILES)
TOTAL LENGTH OF IMPROVEMENT	=	9,615 LIN. FT.	(1.821 MILES)

DESCRIPTION OF PROJECT

THIS IMPROVEMENT CONSISTS OF P.C.C. JOINTED PAVEMENT AND FULL-DEPTH BITUMINOUS PAVEMENT RECONSTRUCTION, FULL DEPTH BITUMINOUS WIDENING AND RESURFACING, POURED-IN-PLACE CONCRETE BICYCLE UNDERPASS AND BITUMINOUS BICYCLE PATH, SIDEWALK, CURB AND GUTTER, STORM SEWER, WATER MAIN, TRAFFIC SIGNAL MODERNIZATION AND INTERCONNECT, LIGHTING, PAVEMENT MARKING, LANDSCAPING AND OTHER APPURTENANT WORK NECESSARY TO COMPLETE THE PROJECT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.



LOCATION OF SECTION INDICATED THUS:

WARNING
CALL JULIE TOLL FREE 1-800-892-0123
CALL BEFORE YOU DIG

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED February 7 2005 — COUNTY ENGINEER KANE COUNTY
APPROVED February 3 2005 — CITY ENGINEER CITY OF ST. CHARLES
PASSED April 11 2005 — DISTRICT ENGINEER OF LOCAL ROADS AND STREETS
APPROVED April 11, 2005 — DISTRICT ENGINEER

DATE: 2/03/05
BY: James R. Lenzini
LICENSE EXPIRES: 11/30/05
LICENSE NO.
JAMES R. LENZINI 062-043174 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
SEAL:

Hampton Lenzini and Renwick, Inc.
Civil Engineers
Land Surveyors
Account Number: 03-05-0181
380 Shepard Drive
Elgin, Illinois 60123-7
847.697.6700
CONSULTANT - HAMPTON, LENZINI AND RENWICK, INC. - (847) 697-6700
IDOT FEDERAL AID PROJECT ENGINEER: CHAD RIDDLE (847) 705-4406

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, "ADOPTED JANUARY 1, 2002 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED MARCH 1, 2005; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE CITY, COUNTY AND STATE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY, COUNTY OR STATE WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY 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 CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE ARRANGED BY THE UTILITY COMPANY AND SHALL BE AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL NOTIFY THE CITY OF ST. CHARLES PUBLIC WORKS DEPARTMENT ONE WEEK IN ADVANCE OF ALL WATER MAIN SHUT DOWNS. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OF CURVE, ETC., ARE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.G.S. DATUM.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

SEWERS AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

THE COST OF INTERCONNECTIONS BETWEEN THE PROPOSED AND EXISTING SEWER SYSTEMS AND PROPOSED AND EXISTING WATER MAIN SYSTEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES OF THE ITEMS BEING CONNECTED.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE CITY, COUNTY OR STATE, AS APPLICABLE. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICKUP BY THE CITY, COUNTY OR STATE OR DELIVERY TO THE CITY, COUNTY OR STATE MAINTENANCE YARD SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR ANY MANHOLE, CATCH BASIN, INLET OR VALVE VAULT, SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES--"STORM". FOR SANITARY SEWER STRUCTURES--"SANITARY". FOR WATER SYSTEM STRUCTURES--"WATER". ANY ADDITIONAL COST FOR THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE FRAME AND CLOSED LID PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

ALL STORM SEWERS SHALL BE RCCP CLASS IV, UNLESS NOTED OTHERWISE ON THE PLAN.

WATER MAIN SHALL HAVE A MINIMUM COVER OF FIVE (5) FEET.

SOIL BORINGS PERFORMED FOR THIS CONTRACT INDICATE THAT RELATIVELY SOFT COHESIVE SOILS WITH STRENGTH VALUES LESS THAN 1.25 TSF MAY BE ENCOUNTERED DURING EXCAVATION FOR SEWERS AND WATER MAINS. THESE MATERIALS MAY BE UNSTABLE DURING TRENCHING AND MAY REQUIRE 12 TO 18 INCHES OF ADDITIONAL GRANULAR BEDDING FOR SATISFACTORY PIPE INSTALLATION. IN ADDITION, TIGHT SHEETING/BRACING SYSTEMS AND DEWATERING MAY BE REQUIRED.

BACK FILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACK FILL QUANTITIES FOR STORM AND SANITARY SEWER AND WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACK FILL TABLE.

TRENCH BACK FILL SHALL BE GRADATION FA2.

SIGNS

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR, ENGINEER AND KANE CO. DOT MAINTENANCE PERSONNEL SHALL INVENTORY THE LOCATION, SIZE, TYPE AND CONDITION OF ALL EXISTING SIGNS. ANY SIGN DAMAGED DURING CONSTRICTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL SIGNS SHALL BE ERECTED IN STRICT CONFORMANCE WITH SECTION 720 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND BY STATE PRE QUALIFIED CONTRACTOR PERSONNEL, SUCH AS A SUB CONTRACTOR THAT SPECIALIZES IN TRAFFIC CONTROL AND SIGN PLACEMENT. TO INSURE THIS OPERATION IS PERFORMED CORRECTLY THERE WILL BE A WALKTHRU ON THE JOB WITH THE ENGINEER AND KANE CO. DOT MAINTENANCE PERSONNEL AS PART OF THE OVERALL PUNCH LIST.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

1. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.HA

2. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS WORK DURING CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL BE INCLUDED IN THE COST OF THE CONTRACT.

3. ALL SIGNS SHALL BE INSTALLED OR RELOCATED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEM.

4. ALL REMOVED SIGNS WILL BE RETURNED TO THE CITY, COUNTY OR STATE, AS APPLICABLE.

5. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS , EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT, UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE ITEM "AGGREGATE FOR TEMPORARY ACCESS".

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.

AT ALL BUTT JOINT LOCATIONS, THE EXISTING SURFACE SHALL BE CUT TO A MINIMUM THICKNESS OF TWO (2) INCHES AS INDICATED ON THE PLANS.

THE THICKNESSES OF BITUMINOUS MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE BITUMINOUS MIXTURES ARE TO BE PLACED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, P.C.C. SIDEWALK, P.C.C. DRIVEWAY PAVEMENT, AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY SHEETING AND/OR SHORING USED FOR THIS IMPROVEMENT OTHER THAN THAT APPROVED FOR CONSTRUCTION OF THE BICYCLE UNDERPASS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

EXISTING PAVEMENT THICKNESSES SHOWN ON THE PLANS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. ANY ADDITIONAL COSTS REQUIRED BY THE CONTRACTOR DUE TO THICKNESSES OTHER THAN THOSE SHOWN ON THE PLANS WILL BE INCLUDED IN THE COST OF THE CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH. (ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE FOUR SANDBAGS EACH.

TYPE "A" CURB RAMPS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON PLAN.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE CLEARED, LAYERED WITH TOPSOIL, AND SEEDED OR SODDED AS SHOWN IN THE PLANS. LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

USE A FERTILIZER WITH AN ANALYSIS OF 1:1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

	SEEDING	SODDING
NITROGEN FERTILIZER NUTRIENT	90 LBS.	60 LBS.
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS.	60 LBS.
POTASSIUM FERTILIZER NUTRIENT	90 LBS.	60 LBS.

SUPPLEMENTAL WATERING SHALL BE PERFORMED WHEN DIRECTED BY THE ENGINEER AT A RATE OF 3 GAL PER SQ. YD.

THE CONTRACTOR SHALL DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER EXCAVATED MATERIAL NOT FOR SALVAGE AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE EACH DAY. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING TO DISPOSAL LOCATIONS.

THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCLUDED IN THE CONTRACT.

POROUS GRANULAR EMBANKMENT SPECIAL (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

BITUMINOUS MIXTURE REQUIREMENT

ITEM	AC TYPE	VOIDS	MAX% RAP
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	PG 64-22	4% @ 50 Gyr.	15
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 Gyr.	15
POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	SBS PG 70-22	4% @ 90 Gyr.	0
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4% @ 50 Gyr.	25
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90	SBS PG 70-22	4% @ 90 Gyr.	0
BITUMINOUS BASE COURSE,SUPERPAVE, 6", 9" & 10"	PG 58-22	2% @ 50 Gyr	50
BITUMINOUS SHOULDER, SUPERPAVE 6"	PG 58-22	2% @ 30 Gyr	50
LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70 MIX D	PG 64-22	4% @ 70 Gyr.	15
INCIDENTIAL BITUMINOUS SURFACING, SUPERPAVE, N50	PG 58-22	2% @ 50 Gyr.	50
CLASS D PATCHES, IL 19, 10"-14"*	PG 64-22	4% @ 70 Gyr.	15

*THE SPECIAL PROVISION FOR "SUPERPAVE BITUMINOUS CONCRETE MIXTURES" SHALL APPLY TO THIS ITEM.

THE UNIT WEIGHT USED FOR ALL BITUMINOUS QUANTITIES IS 112 POUNDS PER INCH THICKNESS PER SQUARE YARD.

SUPPLEMENTAL LEGEND

SEE IDOT HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
GENERAL NOTES, LEGEND			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

211 — STREET ADDRESS

TUD — TELEPHONE CABLE (TUC) OR DUCT (TUD)

SL — EXISTING STREET LIGHTING CABLE

PROPOSED STREET LIGHTING OR TRAFFIC SIGNAL CABLE

EXISTING CURB OR CURB & GUTTER

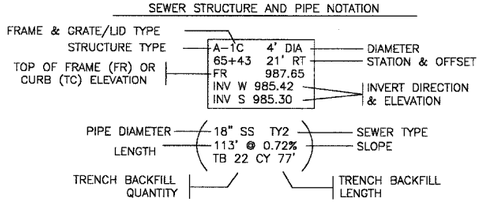
PROPOSED CURB OR CURB & GUTTER

EXISTING CONCRETE PAVEMENT, CURB, CURB & GUTTER, DRIVEWAY PAVEMENT AND SIDEWALK TO BE REMOVED

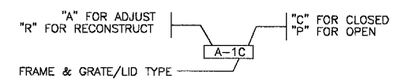
CLASS D PATCHES

BITUMINOUS SURFACE REMOVAL

SEWER STRUCTURE AND PIPE NOTATION



STRUCTURE ADJUSTMENT/RECONSTRUCTION/REMOVAL NOTATION



F — DENOTES STRUCTURE TO BE FILLED

DENOTES STRUCTURE TO BE REMOVED

STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420001-05	PAVEMENT JOINTS
420106-02	10.8 m (36') JOINTED PCC PAVEMENT
420111-01	PCC PAVEMENT ROUNDOUTS
424001-03	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
542106	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 1050 mm (42") THRU 1500 mm (60") DIAMETER AT RIGHT ANGLES WITH ROADWAY
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE)
542601	REINFORCED CONCRETE PIPE ELBOW
602001	CATCH BASIN, TYPE A
602006	CATCH BASIN, TYPE B
602011	CATCH BASIN, TYPE C
602101-01	DRAINAGE STRUCTURES, TYPES 1, 2 & 3
602301	INLET, TYPE A
602401	MANHOLE TYPE A
602406-01	MANHOLE TYPE A, 1800 mm (72") DIAMETER
602501	VALVE VAULT, TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604031-01	GRATE, TYPE 7
604036-01	GRATE, TYPE 8
604056-01	FRAME AND GRATE, TYPE 11V
604091-01	FRAME AND GRATE, TYPE 24
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-02	PC CONCRETE ISLANDS AND MEDIANS
606306-01	CORRUGATED PC CONCRETE MEDIANS
630001-05	STEEL PLATE BEAM GUARDRAIL
630101-05	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630201-03	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
664001-01	CHAIN LINK FENCE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-01	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-02	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS

P:\LD2\0305018I_PHASEII\DWG\SUMMARY OF QUANTITIES.DWG
May 09, 2005 11:51:54 a.m.

SUMMARY OF QUANTITIES

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.	SHE NO
336	CONTRACT NO. 83782	KANE	268	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0C		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART. (1)	Y060 WATER MAIN CITY NON-PART. (2)
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	251	142	109										
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	130	22	108										
	20200100	EARTH EXCAVATION	CU YD	80,836	62,711	18,125										
	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	12,800	7,900	4,900										
	20800150	TRENCH BACKFILL	CU YD	21,108	12,119	910									509	7,570
	20900320	POROUS GRANULAR BACKFILL, SPECIAL	TON	3,675										3,675		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	32,139	19,776	12,267								96		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	53,961			53,961									
	21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	4,886				4,886								
	21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	300	200	100										
*	25000210	SEEDING, CLASS 2A	ACRE	4.6			4.6									
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	891			826	65								
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	891			826	65								
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	891			826	65								
*	25001750	SEEDING, CLASS 4 (SPECIAL)	ACRE	0.5			0.5									
*	25100115	MULCH, METHOD 2	ACRE	23.1			23.1									
*	25100630	EROSION CONTROL BLANKET	SQ YD	8,815			8,815									
*	25200110	SODDING, SALT TOLERANT	SQ YD	32,754			29,359	3,395								
	25200200	SUPPLEMENTAL WATERING	UNIT	865			813	52								
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,422	1,272	150										
	28000300	TEMPORARY DITCH CHECKS	EACH	5	5											
	28000400	PERIMETER EROSION BARRIER	FOOT	7,538	5,800	1,738										
	28000500	INLET AND PIPE PROTECTION	EACH	2	2											
	28000510	INLET FILTERS	EACH	14	9	5										
	28100105	STONE RIPRAP, CLASS A3	SQ YD	24	24											
	28100107	STONE RIPRAP, CLASS A4	SQ YD	403	403											
	28100109	STONE RIPRAP, CLASS A5	SQ YD	36	36											
	28100111	STONE RIPRAP, CLASS A6	SQ YD	251	251											
	28200200	FILTER FABRIC	SQ YD	690	690											
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	21	13	8										
	40600300	AGGREGATE (PRIME COAT)	TON	50	31	19										
	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	467	467											
	42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	30,112	26,486	3,626										
	42001300	PROTECTIVE COAT	SQ YD	52,030	41,720	10,310										
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	394	38	356										
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	75,757	45,118	30,639										
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	300	300											
	42400460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	1,394	609	785										
	44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	9,824	6,112	3,712										
	44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	16,064	13,781	2,283										
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	195	59	136										
	44000300	CURB REMOVAL	FOOT	72		72										
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	17,631	12,820	4,811										
	44000600	SIDEWALK REMOVAL	SQ FT	18,795	9,179	9,616										
	44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	1,100	1,100											
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	79	79											
	44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	56	45	11										
	44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	117	18	99										
	44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	406	209	197										
	44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	33,552	23,753	9,799										
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	268	268											
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	127		127										
	48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ YD	518	518											
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	35,680										35,680		
	50900805	PEDESTRIAN RAILING	FOOT	97										97		
	51000105	PIPE HANDRAIL	FOOT	170										170		

* SPECIALTY ITEM

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE											
				J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART.(1)	Y060 WATER MAIN CITY NON-PART.(2)
54003000	CONCRETE BOX CULVERTS	CU YD	254										254		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	9	8	1										
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	4											
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2											
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2											
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1											
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1											
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	1	1											
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	1	1											
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2	2											
54214743	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48"	EACH	1	1											
54215460	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 60"	EACH	1	1											
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	4	4											
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2											
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2	2											
54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	1	1											
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1	1											
54247210	GRATING FOR CONCRETE FLARED END SECTION 60"	EACH	1	1											
54248110	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 18"	EACH	1	1											
54248130	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 24"	EACH	2	2											
54248180	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 48"	EACH	1	1											
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	943	638	305										
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	198	187	11										
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	122	122											
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	114	23	91										
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	91	91											
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	153	153											
550A0210	STORM SEWERS, CLASS A, TYPE 1 60"	FOOT	43	43											
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	3,757	2,460	1,297										
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	642	347	295										
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1,130	915	215										
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	464	368	96										
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	821	501	320										
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	396	151	245										
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	247	247											
550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	50	50											
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	1,365	1,365											
550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	34	34											
550A0770	STORM SEWERS, CLASS A, TYPE 3 42"	FOOT	1,075	1,075											
550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	95	95											
550A0800	STORM SEWERS, CLASS A, TYPE 3 60"	FOOT	70	70											
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	344	132	212										
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	27	19	8										
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	36	18	18										
550A2380	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	FOOT	36	36											
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	631	324	307										
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	72	72											
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	36	36											
550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	314	214	100										
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	19	19											
55034200	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	49	49											
55034300	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 30, RISE 19	FOOT	100	100											
55034700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 53, RISE 34	FOOT	69	69											
55034800	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 60, RISE 38	FOOT	417	417											
55035300	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	24	24											
55035400	STORM SEWERS, TYPE 2, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 30, RISE 19	FOOT	62		62										

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART.(1)	Y060 WATER MAIN CITY NON-PART. (2)
	55036900	STORM SEWERS, TYPE 3, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 53, RISE 34	FOOT	140	140											
	55100500	STORM SEWER REMOVAL 12"	FOOT	2,847	1,656	1,191										
	55100700	STORM SEWER REMOVAL 15"	FOOT	1,368	759	609										
	55100900	STORM SEWER REMOVAL 18"	FOOT	1,876	1,466	410										
	55101200	STORM SEWER REMOVAL 24"	FOOT	439	95	344										
	55101300	STORM SEWER REMOVAL 27"	FOOT	426	426											
	55101400	STORM SEWER REMOVAL 30"	FOOT	520	291	229										
	55101600	STORM SEWER REMOVAL 36"	FOOT	1,759		1,759										
	55101800	STORM SEWER REMOVAL 42"	FOOT	525	390	135										
	55102100	STORM SEWER REMOVAL 60"	FOOT	26	26											
*	56102900	DUCTILE IRON WATER MAIN 4"	FOOT	40												40
*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	703												703
*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	40												40
*	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	999												999
*	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	5,502												5,502
*	56103400	DUCTILE IRON WATER MAIN 16"	FOOT	2,237												2,237
*	56104800	WATER VALVES 4"	EACH	2												2
*	56104900	WATER VALVES 6"	EACH	6												6
*	56105000	WATER VALVES 8"	EACH	2												2
*	56105100	WATER VALVES 10"	EACH	5												5
*	56105200	WATER VALVES 12"	EACH	20												20
*	56105300	WATER VALVES 16"	EACH	6												6
*	56106600	ADJUSTING WATER MAIN 12"	FOOT	30	30											
*	56108800	TAPPING VALVES AND SLEEVES 6"	EACH	1												1
*	56109100	TAPPING VALVES AND SLEEVES 12"	EACH	1												1
*	56200300	WATER SERVICE LINE 1"	FOOT	305												305
*	56200500	WATER SERVICE LINE 1 1/2"	FOOT	20												20
*	56201400	CORPORATION STOPS 1"	EACH	9												9
*	56201600	CORPORATION STOPS 1 1/2"	EACH	1												1
*	56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1											
*	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2	1	1										
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	13												13
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	31												31
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	265										265		
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1										1		
	60107600	PIPE UNDERDRAINS 4"	FOOT	5,929	5,532	397										
	60107700	PIPE UNDERDRAINS 6"	FOOT	253										253		
	60202405	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	176	130	46										
	60205605	CATCH BASINS, TYPE A, 5'-DIAMETER	EACH	23	20	3										
	60206705	CATCH BASINS, TYPE B	EACH	1	1											
	60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	27	17	10										
	60222900	MANHOLES, TYPE A, 5'-DIAMETER	EACH	43	32	11										
	60224075	MANHOLES, TYPE A, 6'-DIAMETER	EACH	2	2											
	60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11											11	
	60238800	INLETS, TYPE A	EACH	2	1	1										
	60249110	VALVE VAULTS, 4'-DIAMETER	EACH	11												11
	60249120	VALVE VAULTS, 5'-DIAMETER	EACH	32												32
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1											
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	6	6											
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3											
	60258000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1											
	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1											
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	16	11	5										
	60266500	VALVE VAULTS TO BE REMOVED	EACH	17	15	2										
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1		1										
	60266910	VALVE BOXES TO BE REMOVED	EACH	8	2	6										

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.	SHE NO
336	CONTRACT NO. 83782	KANE	268	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

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F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.	SH NO.
336	CONTRACT NO. 83782	KANE	268	
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y030-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART.(1)	Y060 WATER MAIN CITY NON-PART.(2)
	60402110	GRATES, TYPE 7	EACH	1	1											
	60402210	GRATES, TYPE 8	EACH	25	21	4										
	60404805	FRAMES AND GRATES, TYPE 11V	EACH	69	60	9										
	60404950	FRAMES AND GRATES, TYPE 24	EACH	119	84	35										
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	13	5	8										
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	164	92	31										41
	60500040	REMOVING MANHOLES	EACH	42	30	12										
	60500050	REMOVING CATCH BASINS	EACH	85	60	25										
	60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	2	2											
	60600605	CONCRETE CURB, TYPE B	FOOT	68	68											
	60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	79	79											
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	7,295	6,404	891										
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	17,321	12,064	5,257										
	60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	2,282		2,282										
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1,174	1,174											
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	8,261	4,308	3,953										
	60624600	CORRUGATED MEDIAN	SQ FT	714	714											
	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1,406	1,406											
	63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	32	32											
	63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4											
	63200310	GUARDRAIL REMOVAL	FOOT	565	565											
	66410200	CHAIN LINK FENCE (SPECIAL)	FOOT	35	35											
	66410300	CHAIN LINK FENCE REMOVAL	FOOT	680	680											
*	66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1		1										
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2,405	1,364	1,041										
*	66900400	SPECIAL WASTE GROUND WATER DISPOSAL	GALLON	188	94	94										
*	66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	0.6	0.4										
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	6	3	3										
*	66901000	BACKFILL PLUGS	CU YD	60	30	30										
	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.7	0.3										
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,700	4,000	1,700										
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3,690	2,450	1,240										
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	158,310	107,730	50,580										
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8,770	6,340	2,430										
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,120	820	300										
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,310	1,080	230										
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6,000	4,000	2,000										
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,055	2,055											
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,755	1,755											
*	72000100	SIGN PANEL - TYPE 1	SQ FT	553	434	119										
*	72000200	SIGN PANEL - TYPE 2	SQ FT	123	74	49										
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	560	426	134										
*	73100110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	41	29	12										
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	12,000	8,000	4,000										
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,100	750	350										
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	3					2					1		
*	80700105	GROUND ROD, 3/4" DIA. X 8 FT.	EACH	78					77					1		
*	81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	13,065					12,915					150		
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	5,065					60		410	115	4,480			
*	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	270							70	200				
*	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	20							20					
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	290				100			20	170				
*	81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	16							16					
*	81018400	CONDUIT PUSHED, 1 1/2" DIA., GALVANIZED STEEL	FOOT	991					991							
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	195					130				65			
*	81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	105							105					

* SPECIALTY ITEM

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHE NO
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 84 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART. (1)	Y060 WATER MAIN CITY NON-PART. (2)
*	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1,536					246		560	700	30			
*	81200200	CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC	FOOT	202										202		
*	81303000	JUNCTION BOX, POLYESTER, EMBEDDED IN STRUCTURE, 4" X 4" X 3"	EACH	10										10		
*	81400100	HANDHOLE	EACH	17					2		6		9			
*	81400300	DOUBLE HANDHOLE	EACH	7							2	5				
*	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	18,651					13,001		535	485	4,480	150		
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	10,884					9,820	368				696		
*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	19,994					15,274	4,270				450		
*	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	31,448					31,448							
*	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	280					280							
*	81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	560					560							
*	82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	75					75							
*	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12					12							
*	82107100	UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	10										10		
*	82500505	LIGHTING CONTROLLER, SPECIAL	EACH	2					2							
*	83008600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM	EACH	67					67							
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	840					840							
*	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	36					36							
*	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	75					75							
*	84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	10					10							
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3									3			
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1							1					
*	85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1								1				
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	2							1	1				
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3,697							1,764	1,933				
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	6,670							3,455	3,215				
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,886							1,016	3,870				
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5,289							3,084	2,205				
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,330							1,330					
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	187							61	126				
*	87502250	TRAFFIC SIGNAL POST, PAINTED STEEL 10 FT.	EACH	2							2					
*	87502310	TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT.	EACH	6							2	4				
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	38							19	19				
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8							4	4				
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	120							60	60				
*	87900200	DRILL EXISTING HANDHOLE	EACH	1									1			
*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	20							8	12				
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	6							6					
*	88600100	DETECTOR LOOP, TYPE I	FOOT	162							162					
*	88700200	LIGHT DETECTOR	EACH	7							3	4				
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2							1	1				
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	16							8	8				
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2							1	1				
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2							1	1				
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,330									4,330			
*	89502380	REMOVE EXISTING HANDHOLE	EACH	27							10	13	4			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18							9	9				
*	A2003024	TREE, CELTIS OCCIDENTALIS PRAIRIE PRIDE (PRAIRIE PRIDE HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	8				8								
*	A2004724	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	6				6								
*	A2005024	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	5				5								
*	C2005824	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' WIDTH, BALLED AND BURLAPPE	EACH	188				188								
*	D2002772	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	4				4								
*	D2002172	EVERGREEN, PICEA PUNGENS (COLORADO SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	9				9								
*	D2002272	EVERGREEN, PICEA PUNGENS GLAUCA(COLORADO BLUE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPEI	EACH	5				5								
*	K1003680	MULCH	SQ YD	1,495				1,495								
*	X0300739	UNINTERRUPTIBLE POWER SUPPLY	EACH	2							1	1				

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
SUMMARY OF QUANTITIES			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART.(1)	Y060 WATER MAIN CITY NON-PART. (2)
*	X0301828	ENGINEERED BARRIER	SQ YD	434	217	217										
	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	8	7	1										
	X0321558	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	11	6	5										
*	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	540	200	340										
	X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	700	700											
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	7,600									7,600			
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,422										1,422		
	X0632001	CLEAR PROTECTIVE COATING FOR CONCRETE	SQ FT	4,835										4,835		
	X0712400	TEMPORARY PAVEMENT	SQ YD	4,000	3,000	1,000										
	X0840000	SANITARY SEWER REMOVAL 8"	FOOT	543											543	
	X3550215	BITUMINOUS BASE COURSE SUPERPAVE 5 3/4"	SQ YD	1,478	1,478											
	X3550515	BITUMINOUS BASE COURSE SUPERPAVE 8 3/4"	SQ YD	8,989		8,989										
	X3550615	BITUMINOUS BASE COURSE SUPERPAVE 9 3/4"	SQ YD	6,690	6,690											
	X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	474	474											
	X4066548	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	TON	5,529	3,214	2,315										
	X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	200	200											
	X4066618	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90	TON	2,123	905	1,218										
	X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	601	318	283										
	X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	180	120	60										
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	20	10	10										
	X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	72	36	36										
*	X7800500	POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SQ FT	1,807	1,286	521										
*	X7800510	POLYUREA PAVEMENT MARKING SPECIAL - LINE 4"	FOOT	28,430	21,653	6,777										
*	X7800530	POLYUREA PAVEMENT MARKING SPECIAL - LINE 6"	FOOT	7,720	5,678	2,042										
*	X7800540	POLYUREA PAVEMENT MARKING SPECIAL - LINE 8"	FOOT	475	475											
*	X7800550	POLYUREA PAVEMENT MARKING SPECIAL - LINE 12"	FOOT	1,883	1,828	55										
*	X7800580	POLYUREA PAVEMENT MARKING SPECIAL - LINE 24"	FOOT	688	555	133										
*	X8050010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	2							1	1				
*	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	7,962									7,962			
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,798							832	966				
*	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,934							654	1,280				
*	X8801310	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12							2	10				
*	X8801395	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2								2				
*	X8801400	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	8							6	2				
*	X8801437	SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	6							2	4				
*	X8801447	SIGNAL HEAD ,POLYCARBONATE, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2							2					
*	X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	14							6	8				
*	X8810630	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED	EACH	2							2					
*	XX000739	CURB STOP & BOX 1 INCH	EACH	9												9
*	XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1									1			
*	XX002956	PARTIAL BUILDING REMOVAL AND RECONSTRUCTION	L SUM	1		1										
	XX003503	FLARED END SECTION REMOVAL	EACH	21		21										
*	XX003553	VIDEO TRANSMISSION SYSTEM	EACH	1								1				
*	XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	85								85				
*	XX003885	IRRIGATION SYSTEM	L SUM	1				1								
*	XX004558	RAILROAD FLAGMEN	UNIT	50,000		50,000										
	XX004852	BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE	SQ YD	2,988		2,988										
	XX005078	CATCH BASINS, TYPE C, 2' DIAMETER	EACH	32		32										
	XX005472	DRAINAGE STRUCTURE SPECIAL	EACH	1		1										
	Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	4,000		4,000										
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	60,342		60,342										
	Z0002600	BAR SPLICERS	EACH	298										298		
*	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1		1										
*	Z0007602	BUILDING REMOVAL NO. 2	L SUM	1		1										
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1										
	Z0013825	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1,000		1,000										

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.	SHEET NO.
336	CONTRACT NO. 83782	KANE	268	36
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART.(1)	Y060 WATER MAIN CITY NON-PART.(2)
	Z0019600	DUST CONTROL WATERING	UNIT	400		400										
	Z0022800	FENCE REMOVAL	FOOT	50		50										
	Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4		4										
	Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	3		3										
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1										
*	Z0059600	SANITARY SEWER, TYPE 2 8"	FOOT	394											394	
*	Z0060800	SANITARY SEWER, TYPE 3 6"	FOOT	164											164	
*	Z0060900	SANITARY SEWER, TYPE 3 8"	FOOT	204											204	
△	Z0076600	TRAINEES	HOUR	3,000		3,000										
	XX006105	STABILIZED BICYCLE PATH	SQ YD	670		670										
	XX006255	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	3,609		3,609										
*	XX006056	BITUMINOUS SURFACE REMOVAL FOR RECESSED PAVEMENT MARKING, 0.025 INCH DEPTH	SQ FT	10,184		10,184										
*	XX006256	CONCRETE SURFACE REMOVAL FOR RECESSED PAVEMENT MARKING, 0.025 INCH DEPTH	SQ FT	6,693		6,693										
*	XX006257	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	727		727										
*	XX006258	STEEL CASING PIPE 18"	FOOT	125												125
*	XX006259	STEEL CASING PIPE 20"	FOOT	368												368
*	XX006260	STEEL CASING PIPE AUGURED AND JACKED 16"	FOOT	60												60
*	XX006261	STEEL CASING PIPE AUGURED AND JACKED 20"	FOOT	632												632
*	XX006262	STEEL CASING PIPE AUGURED AND JACKED 24"	FOOT	250												250
*	XX006263	STEEL CASING PIPE AUGURED AND JACKED 30"	FOOT	25												25
*	XX006264	DUCTILE IRON RAW WATER DISTRIBUTION MAIN 6"	FOOT	10												10
*	XX006265	DUCTILE IRON RAW WATER DISTRIBUTION MAIN 12"	FOOT	2,756												2,756
*	XX006266	CURB STOP & BOX 1 1/2 INCHES	EACH	1												1
*	XX006267	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM WITH FESTOON OUTLET	EACH	8						8						
*	XX006268	UNDERPASS CONTROL INSTALLATION, SPECIAL	EACH	1										1		
*	XX006269	MAINTAIN EXISTING TRAFFIC SIGNAL INTERCONNECT	L SUM	1									1			
*	XX005922	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 16, 5½ PAIR	FOOT	2,260							1,120	1,140				
*	XX006270	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	1							1					
*	XX006271	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	1							1					
*	XX006272	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. WITH 15 FT. LIGHTING ARM AT 40 FT. MOUNTING HEIGHT	EACH	2							2					
*	XX006273	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. WITH DUAL 15 FT. LIGHTING ARM AT 45 FT MOUNTING HEIGHT	EACH	1								1				
*	XX006274	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. WITH DUAL 15 FT. LIGHTING ARM AT 45 FT MOUNTING HEIGHT	EACH	1								1				
*	XX006275	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. WITH DUAL 15 FT. LIGHTING ARM AT 45 FT MOUNTING HEIGHT	EACH	2								2				
*	XX005723	VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	2							1	1				
*	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1								1				
	XX006276	STORM SEWERS, CLASS A, PRESSURE PIPE, TYPE 3 60"	FOOT	418		418										
	XX006277	TEMPORARY SEDIMENT TRAP	EACH	1		1										
	XX006278	STORM SEWERS, PVC, TYPE 1 6"	FOOT	20		20										
	XX006279	STORM SEWERS, PVC, TYPE 1 8"	FOOT	35		35										
	XX006280	PERIMETER EROSION BARRIER WITH WIRE SUPPORT	FOOT	367		367										
	XX006281	STORM SEWERS, DUCTILE IRON, TYPE 1 10"	FOOT	9		9										
	XX006282	STORM SEWERS, DUCTILE IRON, TYPE 1 12"	FOOT	170		170										
	XX006283	STORM SEWERS, DUCTILE IRON, TYPE 2 12"	FOOT	168		168										
	XX006284	STORM SEWERS, DUCTILE IRON, TYPE 2 18"	FOOT	122		122										
	XX006285	PERIMETER EROSION BARRIER (SPECIAL)	FOOT	2,395		2,395										
	XX006286	SPLIT FLOW JUNCTION STRUCTURE	EACH	1		1										
	XX006287	PERFORATED RISER	L SUM	1		1										
	XX006288	DRAINAGE STRUCTURES, TYPE 3 (MODIFIED)	EACH	1		1										
	XX006289	FRAMES AND GRATES, SPECIAL (SPL1)	EACH	3		3										
	XX006290	MANHOLES, TYPE A, 7'-DIAMETER	EACH	14		14										
	60405700	FRAMES AND GRATES, SPECIAL	EACH	2		2										
*	XX006292	FRAXINUS AMERICANA 'AUTUMN APPLAUSE' (AUTUMN APPLAUSE WHITE ASH)	EACH	6				6								
*	XX006293	GINKO BILOBA 'AUTUMN GOLD' (AUTUMN GOLD MAIDENHAIR TREE)	EACH	1				1								
*	XX006294	QUERCUS BICOLOR (SWAMP WHITE OAK)	EACH	4				4								
*	XX006295	QUERCUS ROBUR (ENGLISH OAK)	EACH	4				4								
*	XX006296	QUERCUS RUBRA (RED OAK)	EACH	10				10								

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SUMMARY OF QUANTITIES

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336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	3
SUMMARY OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE J000-2A ROADWAY STA	J000-2A ROADWAY STU	Y003-TEA LANDSCAPING STU	Y003-TEA LANDSCAPING CITY NON-PART.	Y030-1E LIGHTING STU	Y030-1E LIGHTING CITY NON-PART.	Y031-1F SIGNALS DEAN STREET STU (1)	Y031-1F SIGNALS IL ROUTE 64 STU (2)	Y031-1F SIGNALS INTERCONNECT STU (3)	Y045-BTPW,TEA UNDERPASS STU	Y060 SANITARY CITY NON-PART. (1)	Y060 WATER MAIN CITY NON-PART. (2)
*	XX006297	ULMUS X 'MORTON GLOSSY' (TRIUMPH ELM)	EACH	6				6								
*	XX006298	ULMUS X 'MORTON STALWART' (COMMENDATION ELM)	EACH	4				4								
*	XX006299	ARONIA MELANOCARPA 'MORTON' (IROQUOIS BEAUTY BLACK CHOKEBERRY)	EACH	108				108								
*	XX006300	BERBERIS THUNBERGII 'BAILONE' (RUBY CAROUSEL BARBERRY)	EACH	229				229								
*	XX006301	KERRIA JAPONICA (JAPANESE KERRIA)	EACH	98				98								
*	XX006302	NEPETA X FAASSENII 'WALKERS LOW' (WALKERS LOW CATMINT)	EACH	61				61								
*	XX006303	ROSA RUGOSA 'FOXI PAVEMENT' (PINK PAVEMENT ROSE)	EACH	28				28								
*	XX006304	ROSA RUGOSA 'SCARLET PAVEMENT' (RED PAVEMENT ROSE)	EACH	26				26								
*	XX006305	ROSA RUGOSA 'SNOW PAVEMENT' (WHITE PAVEMENT ROSE)	EACH	28				28								
*	XX006306	SPIREA X BUMALDA 'MAGIC CARPET' (MAGIC CARPET SPIREA)	EACH	161				161								
*	XX006307	BOUTELOUA CURTIPENDULA (SIDE OATS GRAMMA)	EACH	279				279								
*	XX006001	CAREX MUSKINGUMENSIS (PALM SEDGE), 1 GAL GRASSES	EACH	58				58								
*	XX006308	CAREX MUSKINGUMENSIS 'OEHME' (VARIEGATED PALM SEDGE)	EACH	34				34								
*	XX006309	MISCANTHUS SINENSIS 'GRAZIELLA' (JAPANESE SILVER GRASS)	EACH	18				18								
*	XX006310	MISCANTHUS SINENSIS 'STRICTUS' (PORCUPINE GRASS)	EACH	70				70								
*	XX006311	MOLINIA ARUNDINACEA 'TRANSPARENT' (TALL MOOR GRASS)	EACH	39				39								
*	XX006312	MOLINIA CAERULEA 'MOORHEXE' (PURPLE MOOR GRASS)	EACH	77				77								
*	XX006313	PANICUM VIRGATUM 'HEAVY METAL' (BLUE SWITCH GRASS)	EACH	97				97								
*	XX006314	SCHIZACHYRIUM SCOPARIUM (LITTLE BLUESTEM)	EACH	80				80								
*	XX006315	SESLARIA AUTUMNALIS (AUTUMN MOOR GRASS)	EACH	112				112								
*	XX006316	SORGHASTRUM NUTANS (INDIAN GRASS)	EACH	29				29								
*	XX006317	SPOROBULUS HETEROLEPIS (PRAIRIE DROPSEED)	EACH	291				291								
*	XX006318	ALLIUM SCHOENOPRASUM 'FORESCATE' (ORNAMENTAL ONION)	EACH	71				71								
*	XX006319	ALLIUM TANGUTICUM 'SUMMER BEAUTY' (GLOBE LILY)	EACH	83				83								
*	XX004986	ASCLEPIAS TUBEROSA 1 GAL	EACH	61				61								
*	XX006320	ECHINACEA PALLIDA (PURPLE CONEFLOWER)	EACH	114				114								
*	XX005178	HEMEROCALLIS 'CHICAGO APACHE' (CHICAGO APACHE DAYLILY)	EACH	117				117								
*	XX006489	HEMEROCALLIS 'HAPPY RETURNS' 1 GAL	EACH	729				729								
*	XX006321	RUDBECKIA HIRTA (BLACK-EYED SUSAN)	EACH	114				114								
*	XX006323	SEDUM 'AUTUMN JOY' (AUTUMN JOY SEDUM) 1 GAL	EACH	68				68								
*	XX006322	SOLIDAGO NEMORALIS (GOLDENROD)	EACH	131				131								
*	XX006323	NARCISSUS SPP. (MIXED DAFFODILS)	EACH	3,760				3,760								
*	XX006324	PLANTING SOIL AMENDMENT	SQ YD	1,495				1,495								
*	XX006325	PVC SCHEDULE 40 PIPE 2"	FOOT	120				120								
*	XX006326	TYPE K COPPER PIPE 2"	FOOT	70				70								
*	XX006327	WATER METER 2"	EACH	2				2								
*	56004600	WATER VALVES 2"	EACH	2				2								
*	XX006328	RPZ BACKFLOW PREVENTER 2"	EACH	2				2								
*	XX006329	RPZ ENCLOSURE 2"	EACH	2				2								

* SPECIALTY ITEM

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
336	99-00243-00-PV STATE SECTION 83782	KANE	268	4A
SCHEDULE OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(008)		

WATER MAIN APPURTENANCES

WATER VALVE 4" (EACH)	WATER VALVE 6" (EACH)	WATER VALVE 8" (EACH)	WATER VALVE 10" (EACH)	WATER VALVE 12" (EACH)	WATER VALVE 16" (EACH)	TAP VALVE & SLEEVE, 6" (EACH)	TAP VALVE & SLEEVE, 12" (EACH)	ADJ WM (FOOT)	WATER SERV LINE 1" (FOOT)	WATER SERV LINE 1-1/2" (FOOT)	CURB STOP AND BOX (EACH)	FH TO BE MOVED (EACH)	FH TO BE ADJ (EACH)	FH TO BE REM (EACH)	FH WITH AUX V & VB (EACH)	VV TA 4 DIA T1F CL (EACH)	VV TA 5 DIA T1F CL (EACH)	VALVE BOX ADJ (EACH)	VV ADJ (EACH)	VV ADJ NEW T1F CL (EACH)	VV REM (EACH)	VALVE BOX REM (EACH)
30+90 58 LT	24+45 55 LT	22+00 55 RT	24+86 55 LT	16+00 75 RT	33+39 77 RT	57+40 55 LT	58+90 26 RT	246+59 30	24+77 20	42+85 20	24+77 58 LT	503+83 27 RT	41+28 75 LT	04+58 80 LT	16+07 46 LT	22+00 55 RT	16+00 75 RT	336+39 31 RT	331+86 31 RT	11+30 67 LT	17+40 59 LT	350+98 44 LT
353+82 52 LT	25+28 66 LT	31+15 58 LT	24+80 57 RT	16+20 75 RT	33+59 79 RT				35+05 20		35+05 63 LT		337+43 36 LT	17+05 51 LT	16+35 100 RT	24+45 55 LT	16+20 75 RT		331+96 32 RT	11+43 73 LT	18+64 60 LT	352+45 51 LT
	32+25 58 LT		29+44 58 LT	18+10 50 RT	38+40 79 RT				37+33 20		37+33 63 LT			20+34 57 LT	20+50 58 RT	25+28 66 LT	18+10 50 RT			41+49 84 LT	250+62 22 LT	352+53 60 LT
	33+63 62 LT		32+40 56 LT	18+50 45 RT	41+30 71 RT				37+39 20		37+39 63 LT			24+70 53 LT	24+50 53 RT	30+90 58 LT	18+50 45 RT			58+09 53 LT	22+27 62 LT	345+64 49 LT
	37+17 62 LT		355+22 48 RT	24+40 63 RT	343+00 44 RT				345+60 20		42+85 74 RT			12+68 53 LT	24+55 50 LT	31+15 58 LT	24+40 63 RT			58+14 48 LT	23+45 62 LT	41+56 60 RT
	343+95 44 RT			30+40 79 RT	348+95 56 RT				347+05 145		345+60 51 LT			28+90 52 LT	28+50 84 RT	32+25 58 LT	24+80 57 RT			58+16 73 LT	25+33 61 LT	353+77 44 LT
				33+29 58 LT					352+50 20		347+05 50 LT			33+49 69 LT	29+00 53 LT	33+63 62 LT	24+86 55 LT			58+22 25 RT	15+18 58 LT	355+22 26 RT
				33+29 79 RT					352+64 20		352+50 63 LT			37+23 67 LT	32+50 84 RT	37+17 62 LT	29+44 58 LT			60+77 52 RT	29+49 62 LT	19+97 63 LT
				33+49 73 RT					353+67 20		352+64 61 LT			57+85 58 LT	33+49 69 LT	57+40 55 LT	30+40 79 RT			60+87 30 RT	30+96 63 LT	
				33+70 60 LT							353+67 53 LT			336+31 25 RT	36+50 84 RT	343+95 44 RT	32+40 56 LT			61+04 26 RT	31+05 63 LT	
				41+40 69 LT										337+43 38 LT	37+60 66 LT	353+82 52 LT	33+29 58 LT			252+19 23 LT	32+32 64 LT	
				47+30 78 RT										341+11 39 RT	38+30 87 RT		33+29 79 RT			336+00 31 RT	33+33 64 LT	
				53+30 75 RT										350+92 54 LT	40+50 76 RT		33+39 77 RT			336+53 31 RT	33+53 64 LT	
				56+95 76 RT											44+55 76 RT		33+49 73 RT			358+44 27 RT	38+33 60 LT	
				250+76 38 LT											47+40 73 RT		33+59 79 RT				38+77 65 LT	
				351+50 60 LT											50+30 70 RT		33+70 60 LT				352+40 40 LT	
				355+50 44 RT											53+20 70 RT		38+40 79 RT				343+90 34 LT	
				358+40 43 RT											56+85 62 RT		41+30 71 RT					
				358+50 48 RT											57+40 66 LT		41+40 69 LT					
				504+50 25 RT											58+73 63 RT		47+30 78 RT					
															336+60 38 RT		53+30 75 RT					
															339+40 43 RT		56+95 76 RT					
															339+83 46 LT		58+90 26 RT					
															342+92 53 RT		250+76 39 LT					
															345+70 51 LT		343+00 44 RT					
															346+50 65 RT		348+95 56 RT					
															350+87 67 LT		351+50 60 LT					
															353+45 56 LT		355+22 48 RT					
															354+60 47 RT		355+50 44 RT					
															358+30 43 RT		358+40 43 RT					
															504+60 25 RT		358+50 48 RT					
																	504+50 25 RT					
2	6	2	5	20	6	1	1	30	305	20	10	1	2	13	31	11	32	1	2	14	17	8

TREE REMOVAL

LOCATION	REF	TREE REM 6-15 (UNITS)	TREE REM OVER 15 (UNITS)
12+76	86 RT	14	
12+96	87 RT	14	
13+27	91 RT		22
13+72	91 RT	24	
14+01	91 RT	8	
14+24	93 RT	6	
14+85	92 RT	6	
27+11	61 LT	6	
33+75	20 RT	10	
34+57	21 RT	10	
41+65	17 RT	8	
43+17	65 LT	12	
44+00	64 LT	12	
51+15	61 LT	6	
51+55	60 LT	6	
250+91	47 LT	10	
252+00	38 LT	6	
252+25	38 LT		22
252+29	34 RT		16
336+10	39 RT	8	
342+71	33 RT	12	
343+33	35 RT	8	
343+51	41 LT		38
343+95	37 RT	6	
344+23	44 LT	7	
344+58	39 RT	8	
345+12	50 LT	6	
345+31	51 LT		16
345+72	52 LT		16
345+80	50 LT	6	
348+00	50 RT	6	
348+75	35 RT	6	
353+66	40 LT	8	
355+06	37 LT	6	
358+61	33 RT	6	
TOTAL		251	130

BITUMINOUS SURFACE REMOVAL AND PAVEMENT PATCH

LOCATION	BIT SURF REM BUTT JT (SQ YD)	BIT SURF REM 2" (SQ YD)	BIT SURF REM VAR DEPTH (SQ YD)	CL D PATCH TY IV, 10" (SQ YD)	CL D PATCH TY II, 14" (SQ YD)	CL D PATCH TY III, 14" (SQ YD)	CL D PATCH TY IV, 14" (SQ YD)
RANDALL ROAD							
1+00 - 5+50		3938					
5+50 - 10+50		542	3089		22		
10+50 - 15+50			2788		17		
15+50 - 21+50			3967				78
21+50 - 26+50			367			18	
26+50 - 31+50							
31+50 - 36+50							
36+50 - 41+50							
41+50 - 46+50							
46+50 - 51+50							
51+50 - 56+50							
56+50 - 61+50		360	1542				131
61+50 - 64+50	307		929		6		
IL ROUTE 64							
331+60 - 337+00		1377	1185				58
337+00 - 342+25			1098				41
342+25 - 347+25							
347+25 - 349+07							
350+95 - 353+25							
353+25 - 358+25						79	72
358+25 - 365+20		2335			11	20	26
DEAN STREET							
244+30 - 248+90		1272		39			
250+90 - 254+30	160		1199	40			
TOTAL	**467**	**9,824**	**15,064**	**79**	**56**	**117**	**406**

CASING PIPES

STATION	STATION	STL CASING 18" (FOOT)	STL CASING 20" (FOOT)	STL CASING AUG & JACK 16" (FOOT)	STL CASING AUG & JACK 20" (FOOT)	STL CASING AUG & JACK 24" (FOOT)	STL CASING AUG & JACK 30" (FOOT)
16+10 62 RT	16+10 38 RT				100		
16+79 56 RT	16+90 45 RT		15				
16+90 45 RT	17+18 45 RT		28				
22+40 63 RT	23+40 63 RT				100		
22+74 73 RT	22+99 73 RT						25
23+68 63 RT	23+93 63 RT		25				
26+37 79 RT	26+87 79 RT		50				
24+80 52 LT	24+80 53 RT	105					
26+92 57 LT	27+12 57 LT	20					
31+90 78 RT	32+10 78 RT		20				
33+39 55 LT	33+39 60 RT					115	
41+40 65 LT	41+40 65 RT				110		
38+55 73 RT	39+95 73 RT				140		
38+57 79 RT	39+92 79 RT					135	
41+48 71 RT	42+78 71 RT		130				
55+50 76 RT	55+80 76 RT		30				
343+95 34 LT	343+95 26 RT			60			
354+45 42 LT	354+45 40 RT				82		
500+55 48 LT	501+27 23 RT				100		
501+81 25 RT	502+21 25 RT		40				
503+39 25 RT	503+69 25 RT		30				
		125	368	60	632	250	25

SANITARY SEWER

LOCATION	SAN SEW REM 8" (FOOT)	SAN SEW T2 8" (FOOT)	SAN SEW T3 6" (FOOT)	SAN SEW T3 8" (FOOT)	TRENCH BACKFILL (CU YD)
25+30, 46 RT - 25+55, 69 RT				34	15.9
25+55, 69 RT - 27+25, 69 RT				170	0.0
31+80 35 RT - 33+13, 35 RT	133				
31+80, 71 RT - 31+80, 35 RT		36			5.7
31+80, 35 RT - 31+80, 8 RT		27			18.4
31+80, 8 RT - 33+11, 8 RT		131			114.4
33+11, 8 RT - 33+13, 35 RT	27				
33+13, 35 RT - 34+39, 36 RT	126				
33+11, 8 RT - 34+39, 2 LT		128			123.0
34+39, 2 LT - 34+39, 65 RT		62			54.5
340+85 RT - 340+93 RT	8				
340+93 RT - 342+46 RT	153				
342+07, 49 RT - 342+07, 32 RT			81		82.0
342+46 RT - 342+51 LT	71				
342+46 RT - 342+57 RT	25				
342+57, 52 RT - 342+57, 32 LT			83		84.0
342+47, 32 LT - 342+57, 32 LT		10			10.5
TOTAL	**543**	**394**	**164**	**204**	**508.4**

EARTHWORK

LOCATION	EARTH EXCAVATION (CU YD)	EMBANKMENT ADJUSTED FOR SHRINKAGE 15% (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
RANDALL ROAD	42,318	2,671	39,647
DEAN STREET	3,056	225	2,831
IL ROUTE 64	18,125	491	17,634
DETENTION BASIN	17,337	2,578	14,759
TOTAL	**80,836**	**5,966**	**74,870**

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
336	99-00243-00-PV STATE SECTION 83782	KANE	268	48
SCHEDULE OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(008)		

STRUCTURE ADJUSTMENT, REMOVAL, AND FILL

CB ADJ NEW T1F OL (EACH)	CB REC NEW T1F CL (EACH)	MH REC (EACH)	MH REC SPECIAL (EACH)	REM MH (EACH)	REM CB (EACH)	REM CB TO MAINT FLOW (EACH)	SAN MH ADJ (EACH)	SAN MH ADJ NEW T1F CL (EACH)	SAN MH REC (EACH)	FES REM (EACH)
RANDALL ROAD										
11+23 74 LT	18+50 50 LT	20+33 48 LT	17+53 56 LT	14+32 40 LT	11+49 35 RT	37+45 62 LT	24+37 16 RT	26+95 26 RT	30+37 37 RT	11+18 62 LT
	25+84 47 LT	28+33 49 LT		20+36 29 RT	11+53 35 LT	250+55 29 LT	26+40 46 RT	33+07 42 LT		11+18 73 RT
	33+01 63 LT	43+30 65 LT		23+17 43 LT	12+81 37 LT		57+97 42 RT	38+64 23 RT		11+48 65 RT
	60+99 24 RT			23+17 26 RT	14+33 45 LT		57+98 75 LT	41+61 23 RT		11+54 62 LT
	62+11 28 RT			24+37 23 RT	16+90 46 RT		249+32 46 RT	58+01 39 RT		16+34 55 LT
	251+39 28 LT			25+32 22 RT	18+34 23 RT		250+64 44 LT	246+21 30 LT		16+69 53 RT
				26+79 18 RT	20+33 41 LT		250+87 38 RT	345+97 38 LT		16+79 54 RT
				28+29 17 RT	20+36 23 RT		339+12 39 LT	349+54 37 LT		21+41 40 RT
				29+79 17 RT	23+17 37 LT			350+69 59 LT		22+50 45 RT
				30+15 53 LT	23+17 16 RT			355+43 38 LT		23+12 62 LT
				31+38 15 RT	23+52 46 RT			359+43 33 LT		23+13 41 RT
				31+42 54 LT	24+50 39 LT					62+11 42 RT
				32+78 17 RT	25+32 15 RT					333+65 31 LT
				32+97 54 LT	25+74 39 LT					334+99 26 LT
				33+13 35 RT	25+84 39 LT					337+17 30 RT
				34+39 36 RT	26+73 39 LT					337+16 28 RT
				34+69 20 RT	26+82 15 RT					338+75 32 LT
				35+69 59 LT	28+31 13 RT					340+16 32 RT
				35+72 6 RT	28+33 41 LT					340+59 33 RT
				37+89 7 RT	29+64 59 LT					341+42 41 LT
				38+56 8 RT	29+79 11 RT					341+42 42 RT
				39+76 55 LT	30+05 61 LT					
				39+76 30 RT	30+14 43 LT					
				39+91 30 RT	31+38 9 RT					
				40+24 77 RT	31+40 46 LT					
				43+28 20 RT	32+77 11 RT					
				46+26 17 RT	34+72 14 RT					
				49+26 19 RT	35+73 22 RT					
				58+57 32 RT	35+76 14 RT					
				245+98 24 LT	35+81 54 LT					
				338+95 22 RT	36+92 14 RT					
				340+93 43 RT	37+23 54 LT					
				341+24 23 RT	37+38 54 LT					
				342+46 39 RT	38+14 52 LT					
				342+51 32 LT	38+56 17 RT					
				342+57 33 RT	39+82 35 RT					
				343+24 34 RT	40+91 14 RT					
				344+79 35 RT	42+18 19 RT					
				350+63 42 LT	43+28 54 LT					
				351+76 35 RT	46+26 47 LT					
				353+28 35 RT	46+26 9 RT					
				358+51 37 RT	49+26 42 LT					
					49+26 9 RT					
					49+26 29 RT					
					52+26 47 LT					
					52+26 13 RT					
					52+27 23 RT					
					53+24 23 RT					
					54+55 27 RT					
					54+59 15 RT					
					54+61 46 LT					
					58+52 32 RT					
					58+91 69 RT					
					63+11 30 RT					
					245+98 17 LT					
					247+99 20 LT					
					247+99 25 LT					
					248+90 30 LT					
					251+47 19 LT					
					251+47 23 RT					
					333+76 30 LT					
					334+65 33 LT					
					338+86 28 LT					
					344+75 38 LT					
					344+78 28 RT					
					347+36 30 RT					
					347+40 36 RT					
					347+60 38 LT					
					350+79 52 RT					
					350+79 46 RT					
					351+68 31 RT					
					351+71 40 LT					
					351+72 37 LT					
					352+53 32 RT					
					352+53 36 LT					
					353+35 32 RT					
					353+43 36 LT					
					354+36 35 LT					
					354+56 33 RT					
					357+46 30 LT					
					357+73 25 RT					
					358+78 36 RT					
					358+85 28 LT					
					360+16 27 LT					
					360+26 27 RT					
1	6	3	1	42	85	2	8	11	1	21

STORM SEWER REMOVAL

LOCATION	SS REM 12" (FOOT)	SS REM 15" (FOOT)	SS REM 18" (FOOT)	SS REM 24" (FOOT)	SS REM 27" (FOOT)	SS REM 30" (FOOT)	SS REM 36" (FOOT)	SS REM 42" (FOOT)	SS REM 60" (FOOT)
11+18 LT - 11+18 RT						135			
11+53 LT - 11+54 LT	27								
11+48 RT - 11+50 RT	30								
12+81 LT - 14+32 LT	151								
14+32 LT - 14+33 LT	5								
14+32 LT - 16+34 LT	202								
16+43 RT - 16+58 RT	40								
16+69 RT - 17+53 LT						137			
16+79 RT - 16+89 RT	10								
17+28 LT - 17+51 LT				30					
18+34 RT - 20+36 RT	202								
20+33 LT - 20+33 LT		7							
20+36 RT - 20+36 RT	7								
20+36 RT - 21+41 RT	105								
22+22 LT - 22+52 LT								30	
22+51 RT - 22+51 RT									26
23+12 LT - 23+12 LT						19			
23+17 LT - 23+17 LT	5								
23+17 LT - 23+81 LT					64				
23+17 RT - 24+36 RT					119				
24+36 RT - 24+37 RT	7								
24+36 RT - 25+32 RT					96				
24+50 LT - 24+50 LT	6								
25+32 RT - 25+32 RT	7								
25+32 RT - 26+79 RT					147				
25+74 RT - 25+84 LT	13								
25+84 LT - 25+84 LT	8								
26+73 LT - 26+73 LT	9								
26+79 RT - 26+82 RT	5								
26+79 RT - 28+29 RT			150						
28+29 RT - 28+31 RT	5								
28+29 RT - 29+79 RT			150						
28+33 LT - 28+33 LT	8								
28+33 LT - 30+15 LT			182						
29+64 LT - 30+05 LT	41								
29+79 RT - 29+79 RT	7								
29+79 RT - 31+38 RT			159						
30+05 LT - 30+15 LT	12								
30+14 LT - 30+15 LT	10								
30+15 LT - 30+51 LT	41								
30+15 LT - 31+42 LT			127						
31+38 RT - 31+38 RT	6								
31+38 RT - 32+78 RT			140						
31+40 LT - 31+42 LT	8								
31+42 LT - 32+97 LT			155						
32+77 RT - 32+78 RT	6								
32+78 RT - 34+69 RT	192								
32+97 LT - 33+01 LT	10								
34+69 RT - 34+69 RT	40								
34+69 RT - 34+72 RT	7								
35+69 LT - 38+14 LT			246						
35+69 RT - 35+72 RT				65					
35+72 RT - 35+72 RT								16	
35+72 RT - 35+73 RT								60	
35+72 RT - 35+76 RT	4								
35+72 RT - 37+89 RT								217	
35+82 LT - 35+82 LT	4								
36+92 RT - 38+92 RT	8								
37+23 LT - 37+23 LT	4								
37+38 LT - 37+38 LT	4								
37+89 RT - 37+89 RT	76								
37+89 RT - 38+56 RT								67	
38+14 LT - 38+98 LT			84						
38+56 RT - 38+56 RT	8								
39+76 LT - 39+86 LT		26							
39+86 LT - 39+92 LT		6							
39+92 LT - 43+30 LT		339							
39+91 RT - 43+28 RT							337		
40+83 RT - 40+83 RT	12								

STORM SEWER REMOVAL

LOCATION	SS REM 12" (FOOT)	SS REM 15" (FOOT)	SS REM 18" (FOOT)	SS REM 24" (FOOT)	SS REM 27" (FOOT)	SS REM 30" (FOOT)	SS REM 36" (FOOT)	SS REM 42" (FOOT)	SS REM 60" (FOOT)
43+28 RT - 46+26 RT							298		
46+26 LT - 46+26 RT	56								
46+26 RT - 46+26 RT	8								
46+26 RT - 49+26 RT							300		
49+26 LT - 49+26 RT	52								
49+26 RT - 49+26 RT	9								
49+25 RT - 49+26 RT	9								
49+26 RT - 52+27 RT							301		
52+26 LT - 52+26 RT	60								
52+26 RT - 52+27 RT	10								
52+27 RT - 53+24 RT							97		
53+24 RT - 54+55 RT							131		
54+55 RT - 54+59 RT			12						
54+59 LT - 54+61 RT			61						
54+55 RT - 57+50 RT							295		
58+52 RT - 58+57 RT	5								
58+57 RT - 58+91 RT	50								
62+11 RT - 62+11 RT	14								
245+97 LT - 247+99 LT		202							
245+98 LT - 245+98 LT	6								
247+99 LT - 247+99 LT	5								
247+99 LT - 248+90 LT		91							
250+90 LT - 250+55 LT	9								
251+39 LT - 251+47 LT	11								
333+65 LT - 333+76 LT		11							
333+76 LT - 334+65 LT		89							
334+65 LT - 334+99 LT		34							
334+99 LT - 335+51 LT		52							
337+16 RT - 337+76 RT		60							
338+78 LT - 338+86 LT		11							
338+86 LT - 340+29 LT		144							
338+95 RT - 338+97 RT	20								
338+95 RT - 341+24 RT						229			
340+16 RT - 340+59 RT		43							
340+87 RT - 341+20 RT		34							
341+24 RT - 341+42 RT		26							
341+42 LT - 341+42 RT				82					
341+57 RT - 342+57 RT		100							
342+57 RT - 343+24 RT			67						
343+24 RT - 343+24 RT		5							
343+24 RT - 344+78 RT			154						
344+75 LT - 344+78 RT	66								
344+78 RT - 344+78 RT	6								
344+78 RT - 347+40 RT				262					
347+36 RT - 347+40 RT	6								
347+36 RT - 347+60 LT	71								
347+40 RT - 349+69 RT	229								
* 347+73 LT - 347+73 RT							135		
349+23 RT - 349+69 RT	56								
350+63 LT - 351+71 LT			107						
350+79 RT - 351+76 RT	98								
351+68 RT - 351+76 RT	9								
351+71 LT - 351+72 LT	3								
351+71 LT - 352+53 LT			82						
351+76 RT - 353+28 RT	152								
352+53 LT - 352+53 RT	27								
352+53 LT - 353+43 LT	90								
352+53 RT - 352+53 RT	4								
353+28 RT - 353+34 RT	7								
353+28 RT - 354+56 RT	127								
353+43 LT - 354+36 LT	93								
353+43 RT - 353+57 LT	22								
357+73 RT - 358+51 RT	79								
358+51 RT - 358+78 RT	26								
TOTAL	2,847	1,368	1,876	439	426	520	1,759	525	26

* 42 INCH EQUIVALENT ELLIPTICAL (STA. 347+73 LT - STA. 347+73 RT)

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHEET NO.
336	99-00243-00-PV STATE SECTION 83782	KANE	268	4C
SCHEDULE OF QUANTITIES				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(008)		

SIDEWALK

LOCATION	REF	PCC SIDEWALK 5" (SQ FT)	PCC SIDEWALK 8" (SPECIAL) (SQ FT)	PCC SIDEWALK REMOVAL (SQ FT)
250+05 - 254+38	LT	1,907		1,775
SE CORNER DEAN/RANDALL	LT	168		
17+74 - RR	RT	4,080		
RR - 39+39	RT	12,888		750
NE CORNER IL 64/RANDALL	LT	550		380
39+39 - 42+48	RT	2,132		1,893
39+39 - 41+01	LT		609	778
41+01 - 58+08	LT	8,966		488
42+48 - 53+59	RT	8,640		765
53+59 - 58+08	RT	2,968		
58+08 - 59+80	RT	754		
59+80 - 61+45	RT	565		350
250+91 - 251+62	LT	250		410
251+62 - 252+87	LT	360		625
252+87- 254+38	LT	890		965
331+60 - 333+94	LT	1,329		
332+23 - 337+40	RT	3,427		
333+94 - 335+28	LT	700		
335+28 - 337+06	LT	1,008		
337+06 - 339+39	LT	1,356		
337+47 - 340+37	RT	1,841		
339+39 - 343+96	LT	2,958		
340+37 - 342+32	RT	1,103		
342+32 - 348+14	RT	3,675		235
343+98 - 346+30	LT	1,337		
346+30 - 347+33	LT	462		
347+33 - 349+07	LT	1,259		720
348+14 - 349+07	RT	700		465
350+95 - 352+54	LT	1,350		834
350+95 - 352+10	RT		785	732
352+10 - 352+80	RT	370		420
352+54 - 356+86	LT	2,898		2,160
352+80 - 353+67	RT	420		435
353+67 - 354+25	RT	224		290
354+25 - 354+91	RT	266		280
354+91 - 355+93	RT	350		425
355+93 - 356+64	RT	200		200
356+64 - 357+47	RT	260		260
356+86 - 360+48	LT	2,289		1,810
357+47 - 358+98	RT	590		
360+48 - 361+18	LT	265		350
TOTAL		75,757	1,394	18,795
STA. 43+05 - 43+30	RT	300 SQ FT - PCC SIDEWALK, 8"		

CURB AND GUTTER

LOCATION	REF	CURB REM (FOOT)	COMB C&G REM (FOOT)	CONC CURB TY B (FOOT)	COMB CONC C&G TY B-6.06 (FOOT)	COMB CONC C&G TY B-6.12 (FOOT)	COMB CONC C&G TY B-6.24 (FOOT)	COMB CONC C&G TY M-2.12 (FOOT)
RANDALL ROAD								
1+00 - 5+50	LT							
	RT							
5+50 - 10+50	LT		417				430	
	RT		417				430	
10+50 - 15+50	LT		500				500	
	RT		190			15	505	
15+50 - 21+50	LT		518		38	23	629	
	RT		473		41	23	643	
21+50 - 26+50	LT		695			708	484	
	RT		491			484	484	
26+50 - 31+50	LT		530			554	500	
	RT		500			500	500	
31+50 - 36+50	LT		483			563	500	
	RT		540			444	502	
36+50 - 41+50	LT		782			28	418	
	RT		573				409	
41+50 - 46+50	LT		940			322	502	
	RT		677			383	500	
46+50 - 51+50	LT		500			500	500	
	RT		500			500	500	
51+50 - 56+50	LT		500			352	500	
	RT		544			353	500	
56+50 - 61+50	LT		206				188	
	RT		719	68		370	450	
61+50 - 64+50	LT							
	RT		250				250	
IL ROUTE 64								
331+60 - 337+00	LT		261			87	350	
	RT		15				368	
337+00 - 342+25	LT		267				525	245
	RT		74			165	525	245
342+25 - 347+25	LT		647			185	500	419
	RT		500			23	505	420
347+25 - 349+07	LT		274			77	187	
	RT		340			78	183	
350+95 - 353+25	LT		268				230	
	RT	72	254			54	235	
353+25 - 358+25	LT		530				503	425
	RT		644			118	500	424
358+25 - 365+20	LT		293				293	55
	RT		444			104	353	49
DEAN STREET								
244+30 - 248+90	LT		300				287	
	RT					37	461	
250+90 - 254+80	LT		410			245	336	
	RT		165				156	
TOTAL		72	17,631	68	79	7,295	17,321	2,282

DRIVEWAYS

LOCATION	REF	PCC DRIVEWAY PVMT (SQ YD)	BIT DRIVEWAY PVMT SUPER (SQ YD)	DRIVEWAY PVMT REMOV (SQ YD)
RANDALL ROAD				
24+35	LT		129	
25+13	LT		121	
30+10	LT		75	
32+73	LT		80	
33+30	LT		66	29
35+28	LT		46	
36+69	LT		53	
41+01	LT	38		30
42+48	RT		101	
53+59	RT		124	
59+80	RT		425	
60+49	RT		130	
IL ROUTE 64				
333+94	LT		65	
335+28	LT		59	
337+06	LT		50	
337+41	RT		63	
340+37	RT		42	
341+73	RT		58	
342+32	RT		47	
343+96	LT		58	
346+30	LT		52	
347+33	LT		52	
347+58	RT	70		
347+95	LT		58	
348+14	RT		107	
352+10	RT	60		103
352+20	LT	32		33
352+82	LT	33	93	
352+80	RT	45		
353+67	RT	24	32	
354+25	RT	24	31	
354+91	RT	24	25	
355+93	RT		40	
356+64	RT		43	
356+86	LT		53	
357+47	RT		52	
359+94	RT		61	
360+48	LT	44		
360+51	RT		64	
503+01	RT		60	
DEAN STREET				
246+52	LT		79	
247+13	RT		44	
251+62	LT		84	
252+46	LT		60	
252+87	LT		115	
TOTAL		394	2,997	195

PLAN ALLOWANCE

ITEM	UNITS	QUANTITY
POROUS GRANULAR EMBANKMENT, SPECIAL *	CU YD	2,119
EXPLORATION TRENCH 84" DEPTH	FOOT	300
SHORT-TERM PAVEMENT MARKING	FOOT	5,700
PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6,000
PAVEMENT MARKING REMOVAL	SQ FT	12,000
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,100
INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	180
TEMPORARY INFORMATION SIGNING	SQ FT	540
STABILIZED CONSTRUCTION ENTRANCE	SQ YD	700
TEMPORARY PAVEMENT	SQ YD	4,000
CHANGEABLE MESSAGE SIGN	CAL MO	72
RAILROAD FLAGMEN	UNIT	50,000
AGGREGATE FOR TEMPORARY ACCESS	TON	4,000
CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1,000
DUST CONTROL WATERING	UNIT	400
FENCE REMOVAL	FOOT	50

AN ESTIMATED PLAN QUANTITY FOR EACH OF THESE ITEMS HAS BEEN SHOWN TO ESTABLISH UNIT PRICES FOR AN ITEM. PAYMENT SHALL BE MADE FOR ACTUAL QUANTITY COMPLETED WITHOUT AN ADJUSTMENT IN UNIT PRICE DUE TO A CHANGE IN PLAN QUANTITY.

* ALLOWANCE IS ADDITIONAL TO THAT SHOWN IN THE ROADWAY QUANTITIES SCHEDULE

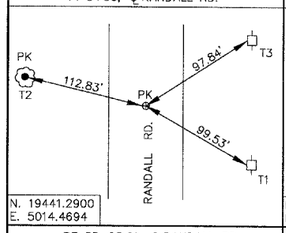
ROADWAY QUANTITIES

LOCATION	POROUS GRAN EMB SUBGR (CU YD)	GEOTECH FAB F/GR STAB (SQ YD)	AGG SUBGRADE 12" (SQ YD)	AGG PRIME CT (TON)	BIT MATLS PRIME CT (TON)	AREA REF CR CON TR A (SQ YD)	PCC PVT 10" JOINTED (SQ YD)	HES PCC PVT 10" JOINTED (SQ YD)	BIT BASE SUPER 5-3/4" (SQ YD)	BIT BASE SUPER 8-3/4" (SQ YD)	BIT BASE SUPER 9-3/4" (SQ YD)	BIT BIND SUPER IL-19.0 N50 (TON)	BIT BIND SUPER IL-19.0 N90 (TON)	LEV BIND MM SUPER N70 (TON)	BIT SURF SUPER "D" N50 (TON)	P BIT SURF SUPER "F" N90 (TON)
RANDALL ROAD																
1+00 - 5+50				3.9	1.6	3958										475
5+50 - 10+50			343	3.6	1.5	3600								57		434
10+50 - 15+50			1418	3.8	1.6	2827					1019		140	65		459
15+50 - 21+50			2913	6.2	2.6	4037					2260		306	76		737
21+50 - 26+50	736	2208	3008	2.8	1.2	376					2390		323	32		331
26+50 - 31+50			3958	0.1	0.1		3179				90		13	1		11
31+50 - 36+50	448	1344	5315				4618									
36+50 - 41+50	2656	7968	7877				3688	3609								
41+50 - 46+50			5879				5142									
46+50 - 51+50	991	2973	4708				4000									
51+50 - 56+50	1142	3426	5216				4588									
56+50 - 61+50	535	1605	2029	4.1	1.7	4089	1271				792		104	52		491
61+50 - 64+50	84	252	195	2.3	1.0	2300					139		19	35		276
IL ROUTE 64																
331+60 - 337+00	266	798	719	3	1.3	2640				436			60	70		360
337+00 - 342+25	949	2847	2716	3.3	1.4	1163				2230			302	38		399
342+25 - 347+25	1719	5157	5017	4.4	1.8					4390			593			527
347+25 - 349+07	670	2010	1970	0.2	0.1		1508			196			27			24
350+95 - 353+25			2581			90	2118			26			4	2		11
353+25 - 358+25	266	798	1953	3.9	1.6	1806				1405			190	83		465
358+25 - 365+20	219	657	584	4.4	1.8	4100				306			42	90		529
DEAN STREET																
244+30 - 248+90			1274	2.2	0.9	1291			927			125			264	
250+90 - 254+30			669	1.8	0.7	1275			551			75			210	
TOTAL	10,681	32,043	60,342	50	20.9	33,552	30,112	3,609	1,478	8,989	6,690	200	2,123	601	474	5,529

November 18, 2004 4:23:43 p.m.
D:\L02\0305018I_PHASE1\DWG\ALIGNMENT_TIES.DWG

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	98-00243-00-PV CONTRACT NO. 83782	KANE	268
ALIGNMENT, TIES AND BENCHMARKS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

PI 9+00, ℄ RANDALL RD.



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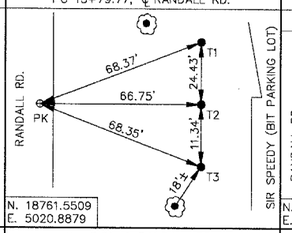

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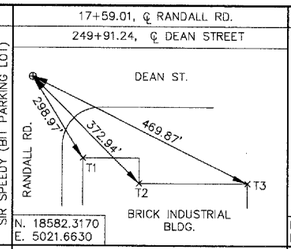
E. 5020.8879

17+59.01, ℄ RANDALL RD.
249+91.24, ℄ DEAN STREET



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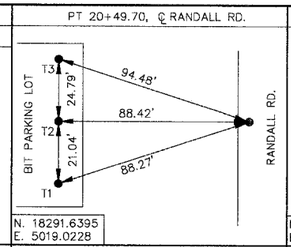

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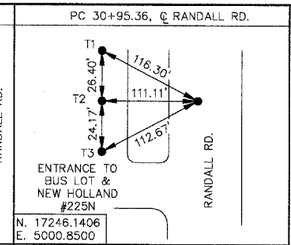
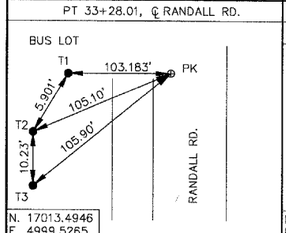


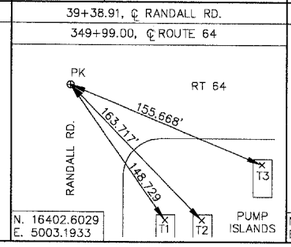
N. 17246.1406
E. 5000.8500

PT 33+28.01, ℄ RANDALL RD.



N. 17013.4946
E. 4999.5265

39+38.91, ℄ RANDALL RD.
349+99.00, ℄ ROUTE 64



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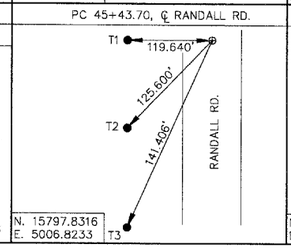

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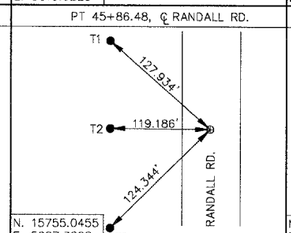
PT 45+86.48, ℄ RANDALL RD.



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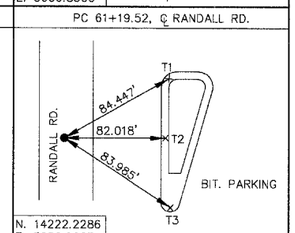
PC 61+19.52, ℄ RANDALL RD.



N. 14222.2286
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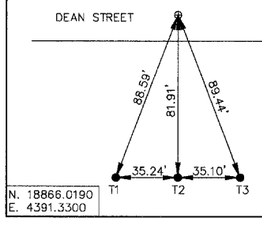
STA. 243+00, ℄ DEAN STREET



N. 18866.0190
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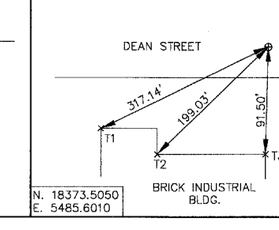
STA. 255+00, ℄ DEAN STREET



N. 18373.5050
E. 5485.6010

STA. 0+00
N 20341.29
E 5015.21

STA: 5+00
N 19841.29
E 5014.80

179°24'43"

STA: 10+00
N 19341.29
E 5015.41

STA: 15+00
N 18841.32
E 5020.13

114°11'12"

STA: 20+00
N 18341.33
E 5019.82

STA: 25+00
N 17841.41
E 5011.20

STA: 30+00
N 17341.48
E 5002.51

PI = 9+00
N 19441.29
E 5014.47

PC = 15+79.77
N 18761.55
E 5020.89

CURVE #1

PT = 20+49.70
N 18291.64
E 5019.02

PC = 30+95.36
N 17246.14
E 5000.85

CURVE #2

PROPOSED ℄ RANDALL ROAD

STA: 257+00
N 18291.42
E 5667.98

STA: 255+00
N 18373.51
E 5485.60

STATION EQUATION
STA. 17+59.01 RANDALL ROAD =
STA. 249+91.24 DEAN STREET
N 18582.32
E 5021.66

STA: 250+00
N 18578.72
E 5029.66

65°48'48"

PROPOSED ℄ DEAN STREET

STA: 245+00
N 18783.93
E 4573.71

STA: 243+00
N 18866.02
E 4391.33

RANDALL ROAD
℄ CURVE #1

INCLUDED ANGLE = 01°-32'-13"
RADIUS = 17520.00'
TANGENT LENGTH = 234.98'
ARC LENGTH = 469.93'
CHORD LENGTH = 469.92'
EXTERNAL SECANT = 1.58'
MID ORDINATE = 1.58'
DEGREE OF CURVE = 00°-19'-37"
PC STA. = 15+79.77
PT STA. = 20+49.70

RANDALL ROAD
℄ CURVE #2

INCLUDED ANGLE = 01°-20'-23
RADIUS = 9950.00'
TANGENT LENGTH = 116.33'
ARC LENGTH = 232.66'
CHORD LENGTH = 232.65'
EXTERNAL SECANT = 0.68'
MID ORDINATE = 0.68'
DEGREE OF CURVE = 00°-34'-33
PC STA. = 30+95.36
PT STA. = 33+28.01

SCALE: 1" = 100'

STA: 35+00
N 16841.51
E 5000.56

STA: 40+00
N 16341.52
E 5003.56

STA: 45+00
N 15841.53
E 5006.56

CURVE #3

STA: 50+00
N 15341.59
E 5014.21

STA: 55+00
N 14841.66
E 5022.56

STA: 60+00
N 14341.73
E 5030.91

PC=61+19.52
N 14222.23
E 5032.91

STA: 65+00
N 13841.76
E 5035.64

PROPOSED ℄ IL. ROUTE 64

89°23'29"

90°36'31"

PT = 33+28.01
N 17013.49
E 4999.53

STATION EQUATION
STA. 39+38.91 RANDALL ROAD =
STA. 349+99.00 IL. ROUTE 64
N 16402.60
E 5003.19

PROPOSED ℄ RANDALL ROAD

PC = 45+43.70
N 15797.83
E 5006.82

PT = 45+86.48
N 15755.05
E 5007.31

RANDALL ROAD
℄ CURVE #3

INCLUDED ANGLE = 00°-36'-46"
RADIUS = 4000.00'
TANGENT LENGTH = 21.39'
ARC LENGTH = 42.79'
CHORD LENGTH = 42.79'
EXTERNAL SECANT = 0.05'
MID ORDINATE = 0.06'
DEGREE OF CURVE = 01°-25'-57"
PC STA. = 45+43.70
PT STA. = 45+86.48

OAK STREET

STA: 452+00
N 14533.08
E 5223.20

91°11'24"

88°48'36"

STATION EQUATION
STA. 58+07.82 RANDALL ROAD =
STA. 450+04.51 OAK STREET
N 14533.88
E 5027.70

STA: 449+00
N 14534.30
E 4923.20

RANDALL ROAD
℄ CURVE #4

INCLUDED ANGLE = 01°-39'-31"
RADIUS = 20000.00'
TANGENT LENGTH = 289.52'
ARC LENGTH = 579.00'
CHORD LENGTH = 578.98'
EXTERNAL SECANT = 2.10'
MID ORDINATE = 2.10'
DEGREE OF CURVE = 00°-17'-11"
PC STA. = 61+19.52
PT STA. = 66+98.52

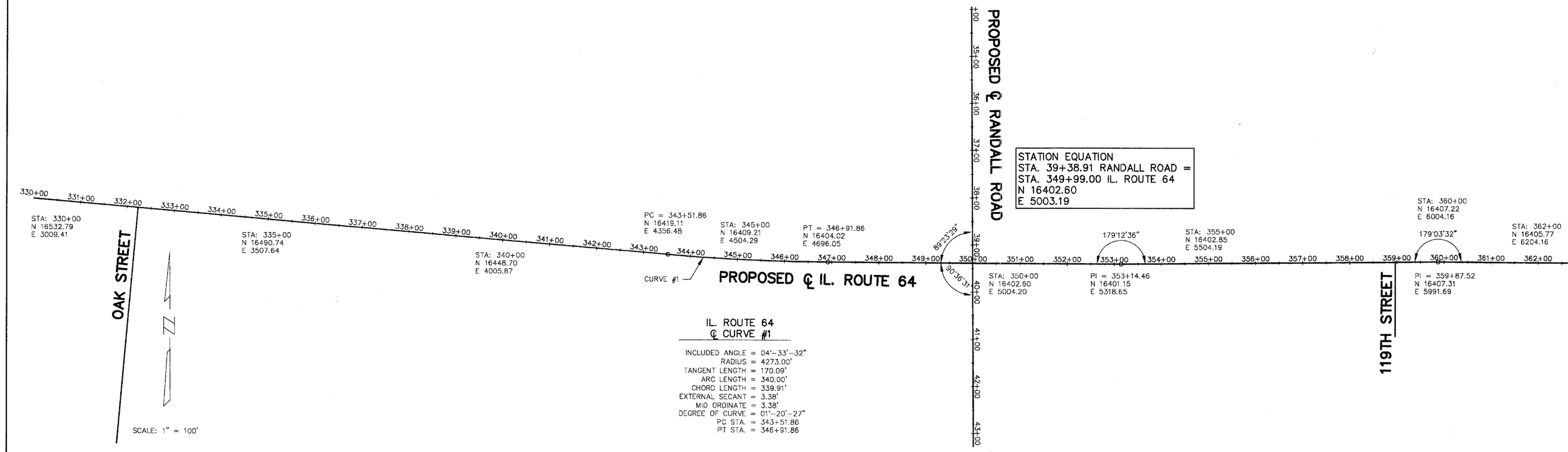
CURVE #4

SCALE: 1" = 100'

NOTE: SEE NEXT SHEET FOR BENCHMARKS

November 15, 2024 4:24:55 p.m.
D:\L02\030501B1_PHASE1\DWG\ALIGNMENT_TIES.DWG

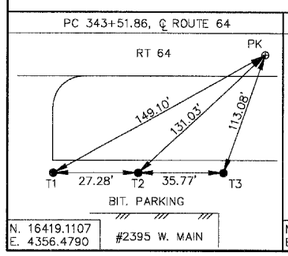
2 ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268
ALIGNMENT, TIES AND BENCHMARKS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

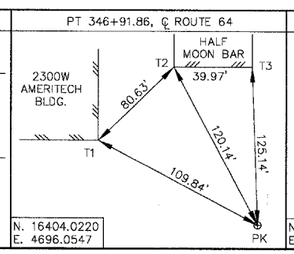


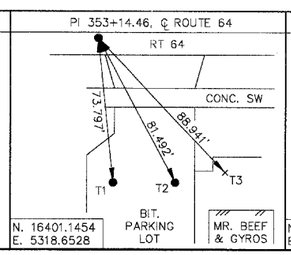
STATION EQUATION
STA. 39+38.91 RANDALL ROAD =
STA. 349+99.00 IL. ROUTE 64
N 16402.60
E 5003.19

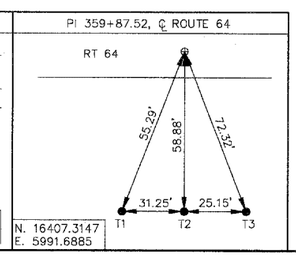
IL. ROUTE 64
℄ CURVE #1

INCLUDED ANGLE	= 04°-33'-32"
RADIUS	= 4273.00'
TANGENT LENGTH	= 170.09'
ARC LENGTH	= 340.00'
CHORD LENGTH	= 339.91'
EXTERNAL SECANT	= 3.38'
MID ORDINATE	= 3.38'
DEGREE OF CURVE	= 01°-20'-27"
PC STA.	= 343+51.86
PT STA.	= 346+91.86









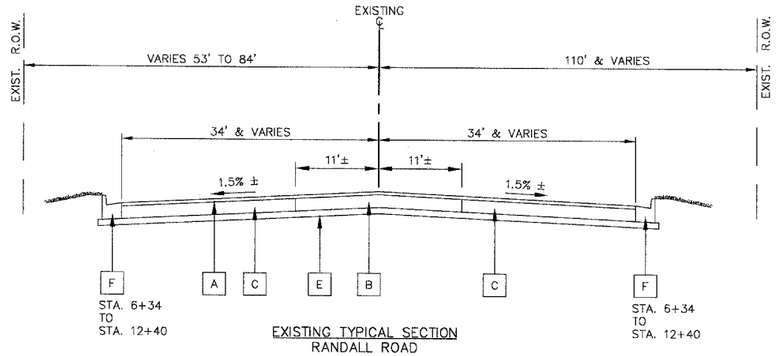
BENCHMARKS:

1. THE NORTHEAST CORNER OF THE TRAFFIC SIGNAL CONTROLLER CONCRETE PAD LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF RANDALL ROAD AND DEAN STREET.
   ELEVATION 750.26
2. THE CHISELED SQUARE ON THE SOUTHEAST CORNER OF THE RAILROAD CROSSING STANDARD LOCATED ON THE NORTH SIDE OF THE RAILROAD TRACKS ON THE WEST SIDE OF RANDALL ROAD NORTH OF IL. ROUTE 64.
   ELEVATION 745.81
3. THE CHISELED SQUARE ON THE NORTHWEST CORNER OF THE TELEPHONE BOX CONCRETE PAD LOCATED ON THE EAST RIGHT-OF-WAY LINE OF RANDALL ROAD AT STA. 49+53.
   ELEVATION 781.62
4. THE BONNET BOLT ARROW ON THE FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF RANDALL ROAD AND OAK STREET.
   ELEVATION 789.56
5. THE SOUTHWEST BOLT ON THE FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF IL. ROUTE 64 AT NO. 2701 (NORTHEAST CORNER OF FIFTH AVENUE FLOWERS).
   ELEVATION 790.45
6. THE BONNET BOLT ARROW ON THE FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF IL. ROUTE 64 AND OAK STREET.
   ELEVATION 789.82
7. THE TAG BOLT ON THE FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF IL. ROUTE 64 AT NO. 2425 (WEST PROPERTY LINE OF THE DECK YARD).
   ELEVATION 785.41
8. THE SOUTHWEST BOLT ON THE FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF IL. ROUTE 64 AT NO. 1915 (McDONALDS).
   ELEVATION 775.51

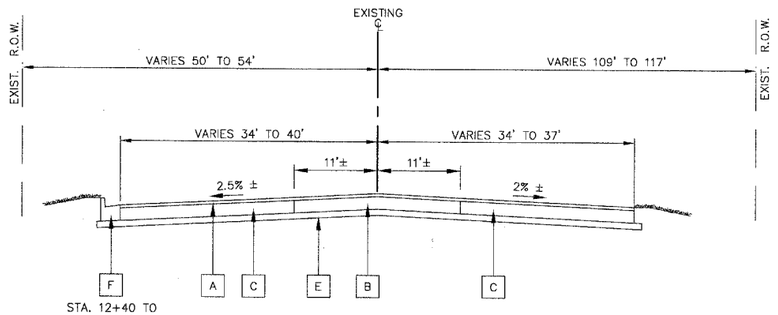
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EXISTING TYPICAL SECTIONS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

EXISTING TYPICAL SECTION ITEMS

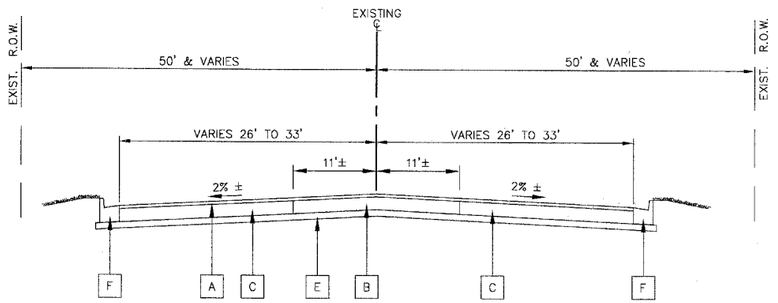
- A — EXISTING BITUMINOUS SURFACE & BINDER COURSE (VARIES 3" TO 6")
- B — EXISTING AGGREGATE BASE COURSE (VARIES 10" TO 18")
- C — EXISTING BITUMINOUS BASE COURSE (VARIES 8" TO 12")
- D — EXISTING CONCRETE BASE COURSE (VARIES 7" TO 9")
- E — EXISTING GRANULAR SUBBASE
- F — EXISTING COMBINATION CONCRETE CURB & GUTTER
- G — EXISTING CONCRETE MEDIAN
- H — EXISTING CONCRETE SIDEWALK
- I — EXISTING CONCRETE CURB



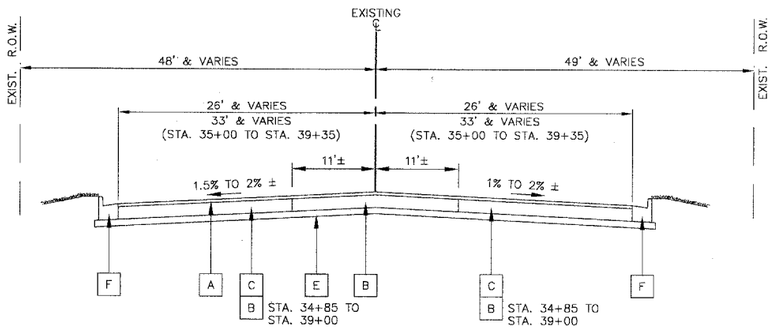
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 1+00 TO STA. 12+40



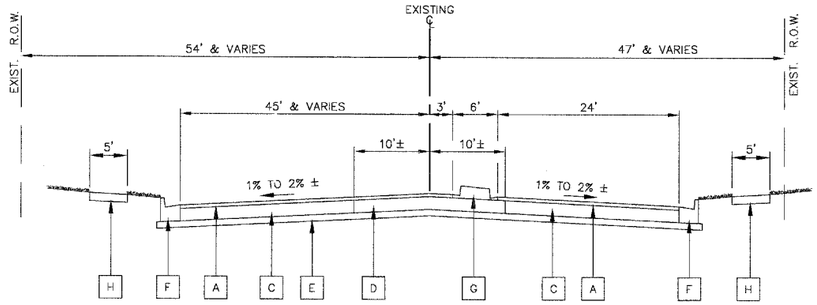
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 12+40 TO STA. 17+15



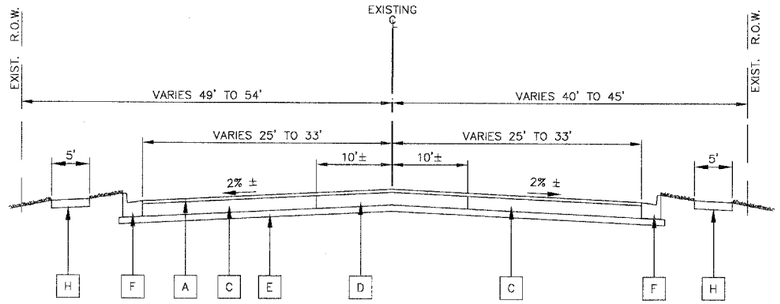
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 17+15 TO STA. 22+86



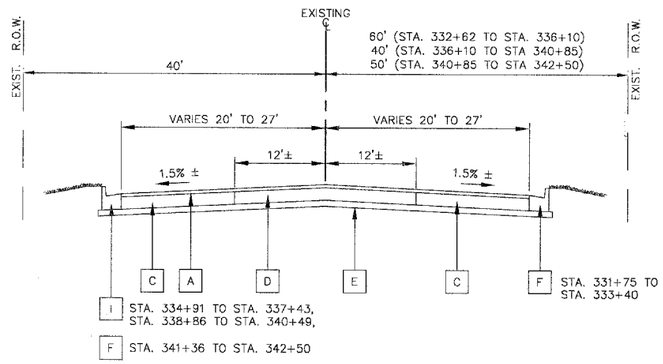
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 22+86 TO STA. 39+00



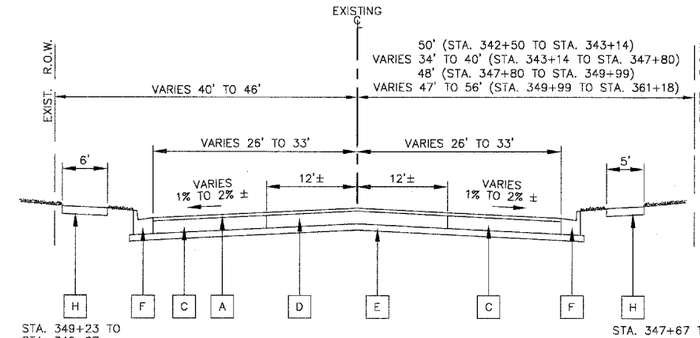
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 39+85 TO STA. 43+70



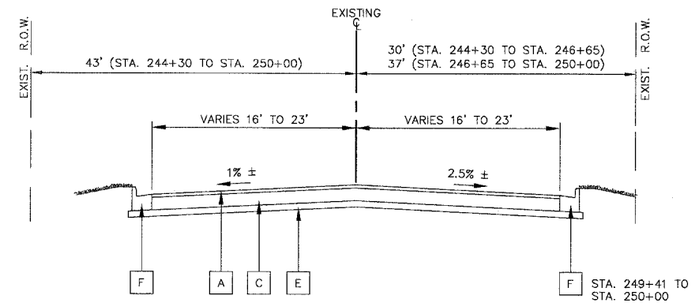
EXISTING TYPICAL SECTION
RANDALL ROAD
STA. 43+70 TO STA. 64+50



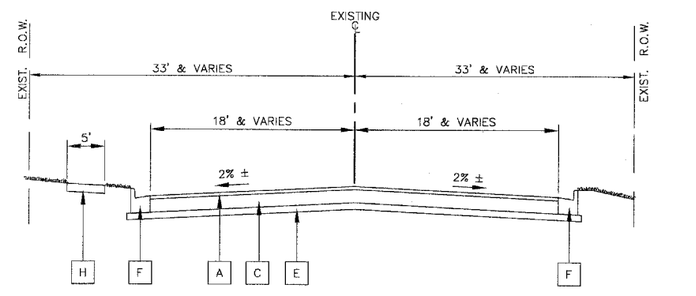
EXISTING TYPICAL SECTION
ILLINOIS ROUTE 64
STA. 331+65 TO STA. 342+50



EXISTING TYPICAL SECTION
ILLINOIS ROUTE 64
STA. 342+50 TO STA. 361+18



EXISTING TYPICAL SECTION
DEAN STREET
STA. 244+30 TO STA. 250+00



EXISTING TYPICAL SECTION
DEAN STREET
STA. 250+00 TO STA. 254+30

February 03, 2009 1:16:37 p.m.
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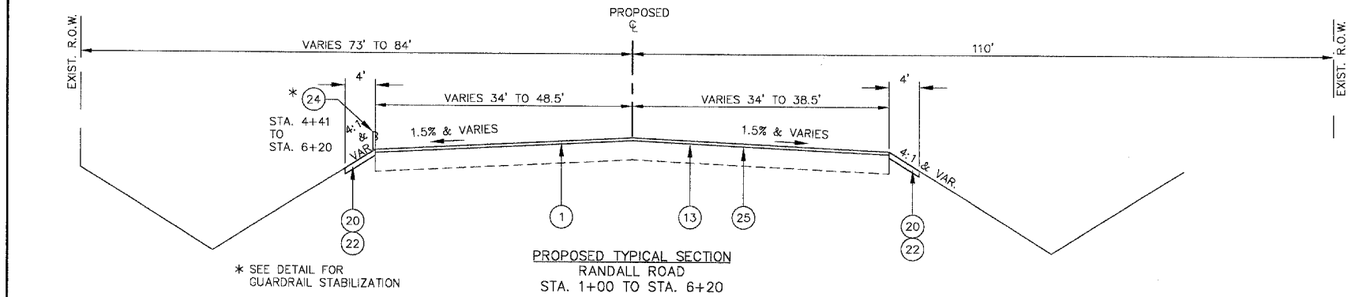
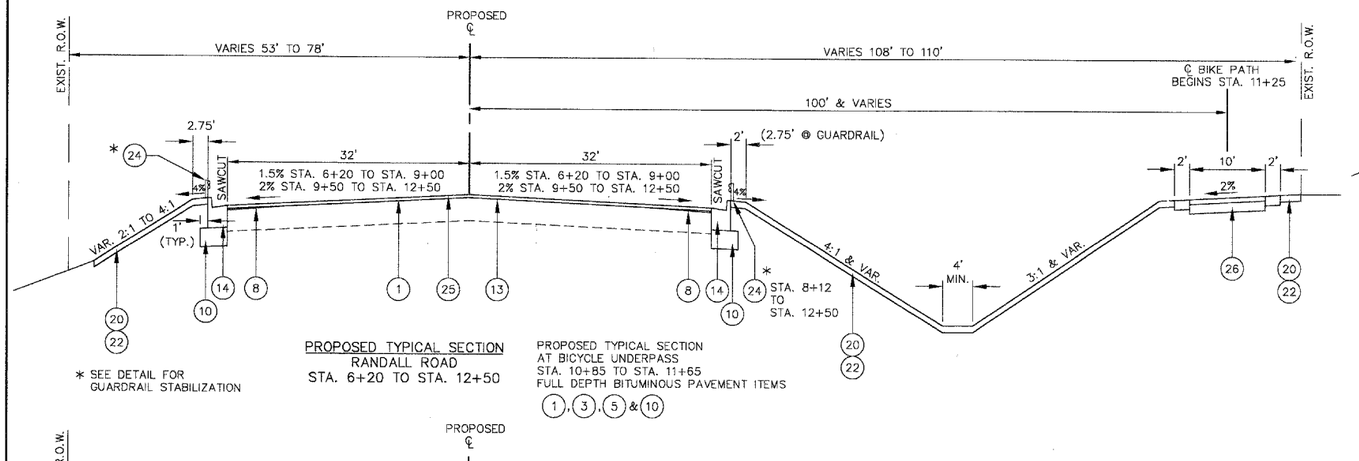
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PROPOSED TYPICAL SECTIONS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



* SEE DETAIL FOR GUARDRAIL STABILIZATION

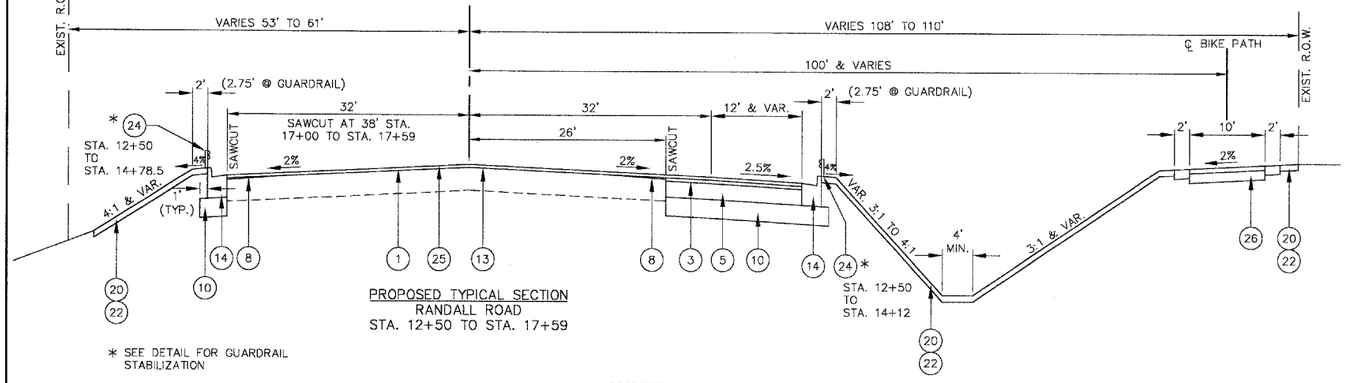
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 1+00 TO STA. 6+20



* SEE DETAIL FOR GUARDRAIL STABILIZATION

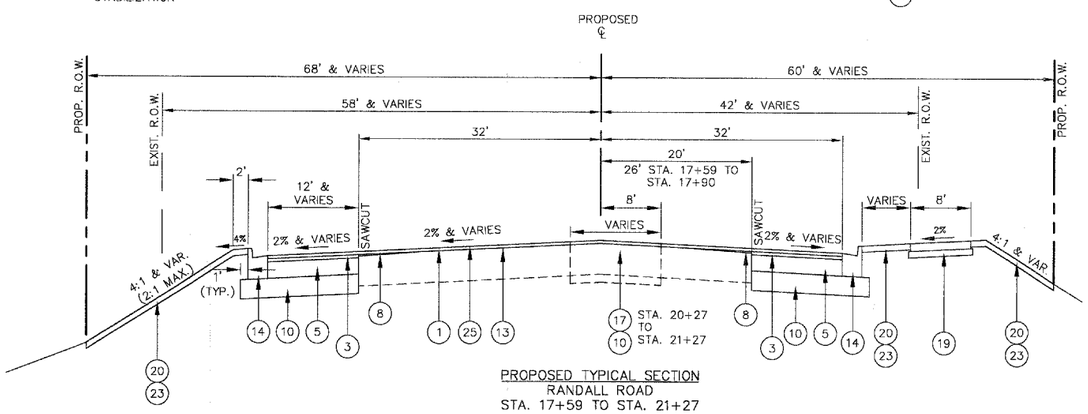
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 6+20 TO STA. 12+50

PROPOSED TYPICAL SECTION
AT BICYCLE UNDERPASS
STA. 10+85 TO STA. 11+65
FULL DEPTH BITUMINOUS PAVEMENT ITEMS
(1), (3), (5) & (10)

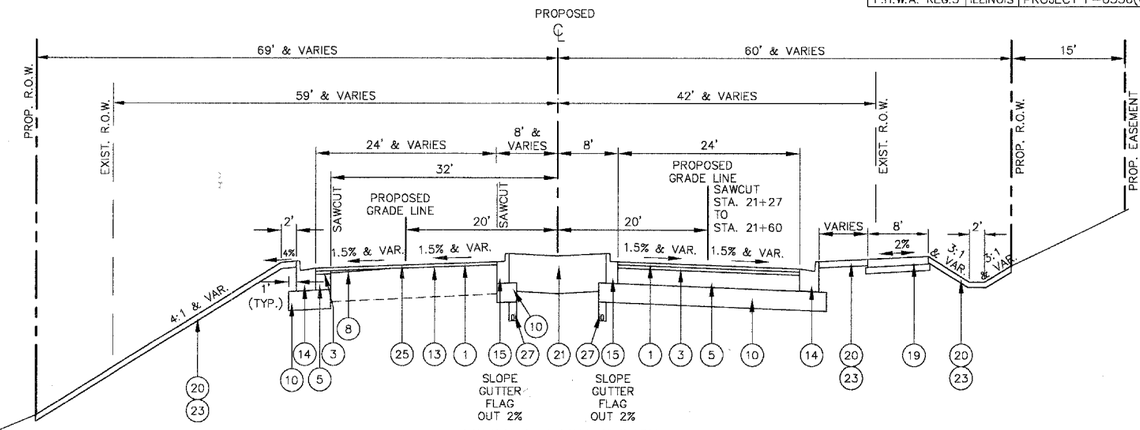


* SEE DETAIL FOR GUARDRAIL STABILIZATION

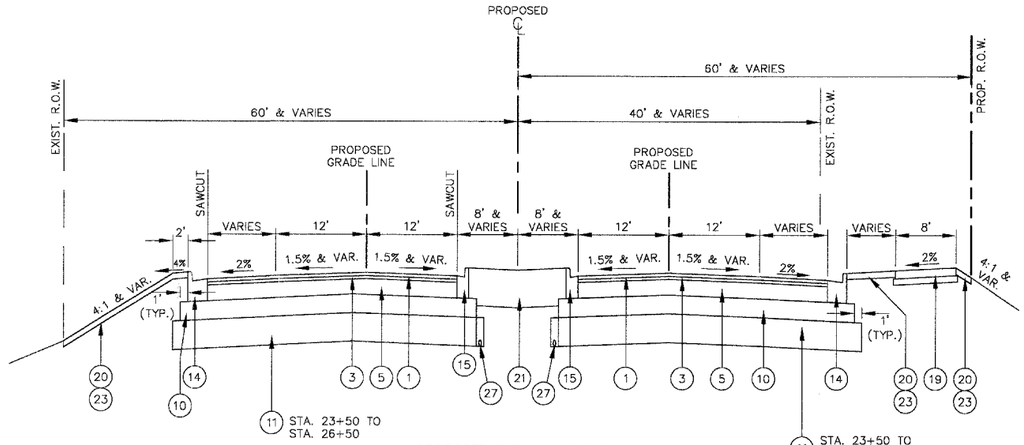
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 12+50 TO STA. 17+59



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 17+59 TO STA. 21+27



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 21+27 TO STA. 22+79



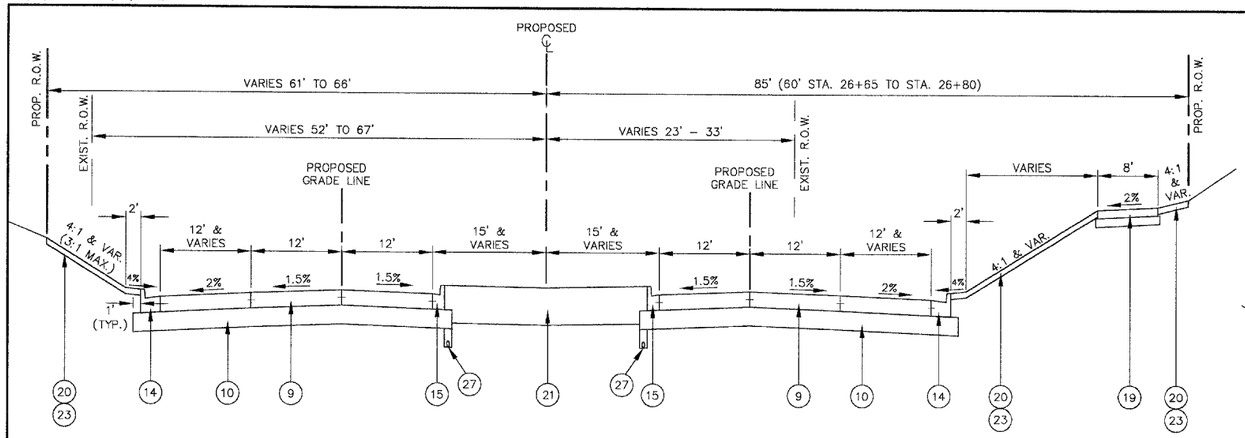
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 22+92 TO STA. 26+65

PROPOSED TYPICAL SECTION ITEMS

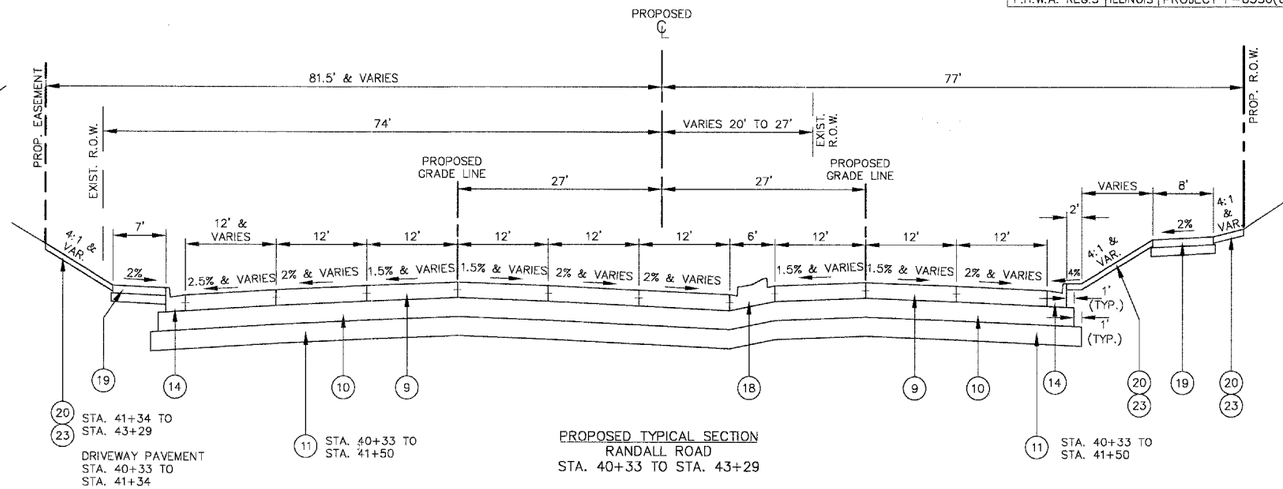
1. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"
2. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"
3. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"
4. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"
5. BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"
6. BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"
7. BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"
8. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
9. PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C. SEE STANDARDS FOR TIE BARS AND DOWEL BARS
10. AGGREGATE SUBGRADE, 12"
11. POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
12. HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
13. AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
17. PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN
18. CONCRETE MEDIAN, TYPE SB-6.12
19. PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"
20. TOPSOIL FURNISH AND PLACE, 4"
21. TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)
22. SEEDING CLASS 2A
23. SODDING, SALT TOLERANT
24. STEEL PLATE BEAM GUARD RAIL, TYPE A & GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"
25. BITUMINOUS SURFACE REMOVAL
26. STABILIZED BIKE PATH
    BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3";
    AGGREGATE BASE COURSE, TYPE B, 6";
    AGGREGATE SHOULDERS, TYPE B, 6"
27. PIPE UNDERDRAIN, 4"

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

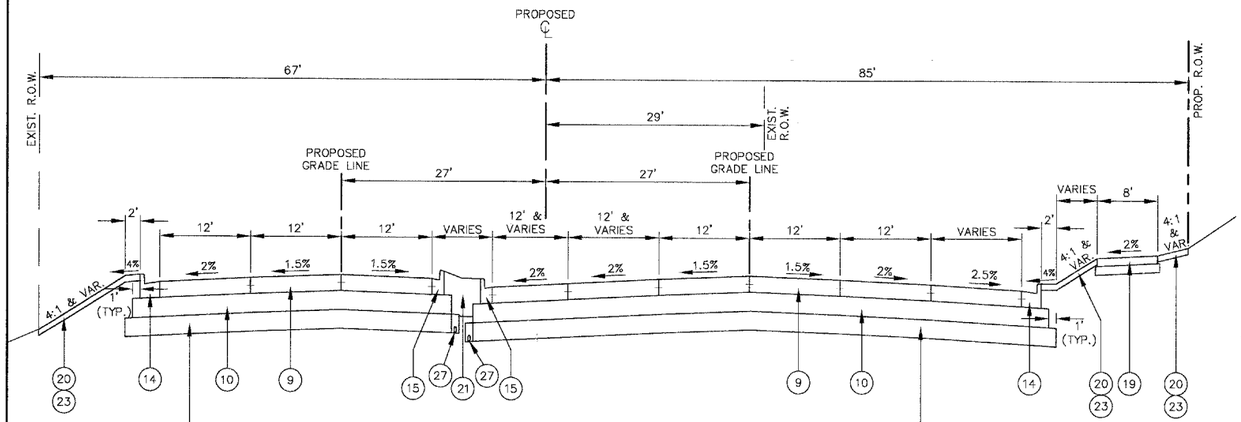
PROPOSED TYPICAL SECTIONS
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0



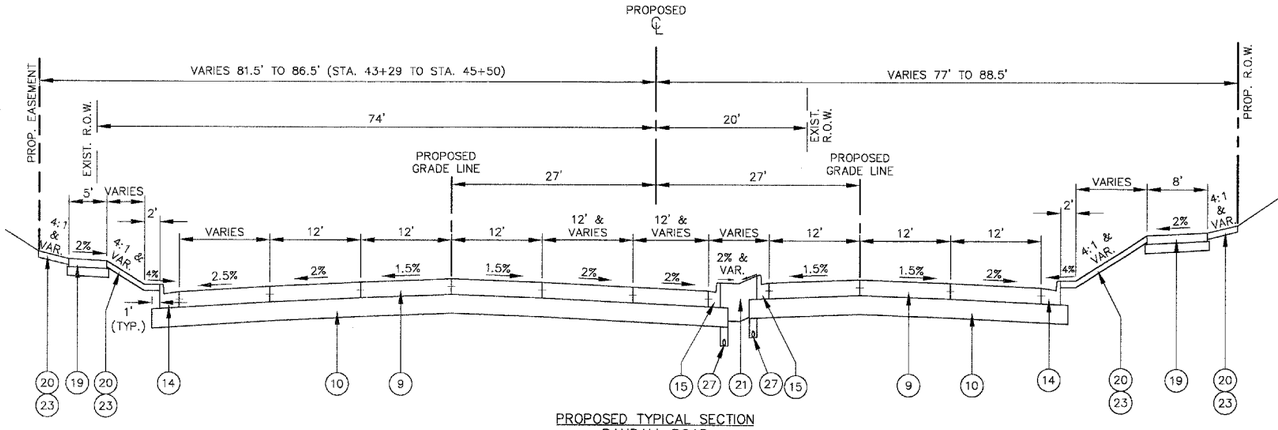
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 26+65 TO STA. 33+28



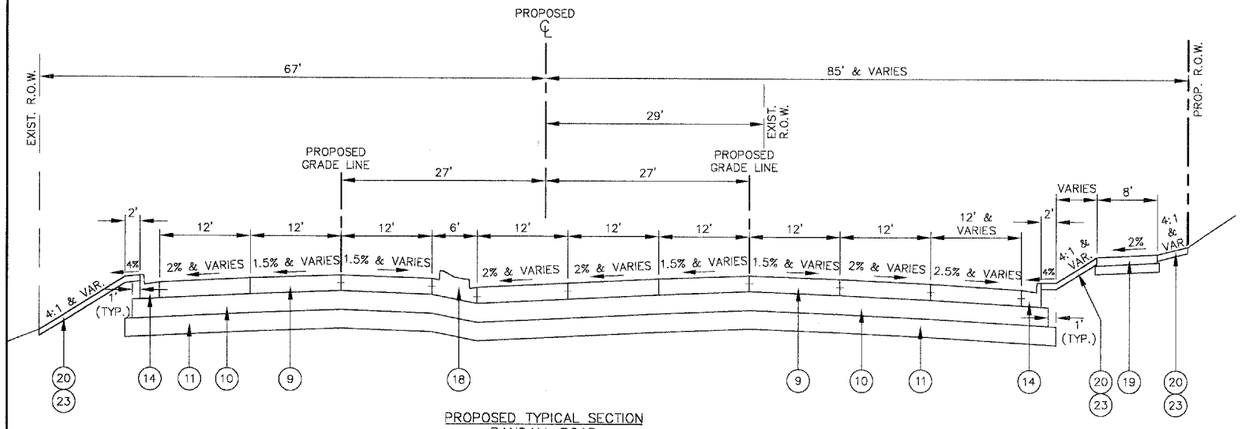
PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 40+33 TO STA. 43+29



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 33+28 TO STA. 35+93



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 43+29 TO STA. 45+94



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 35+93 TO STA. 38+40

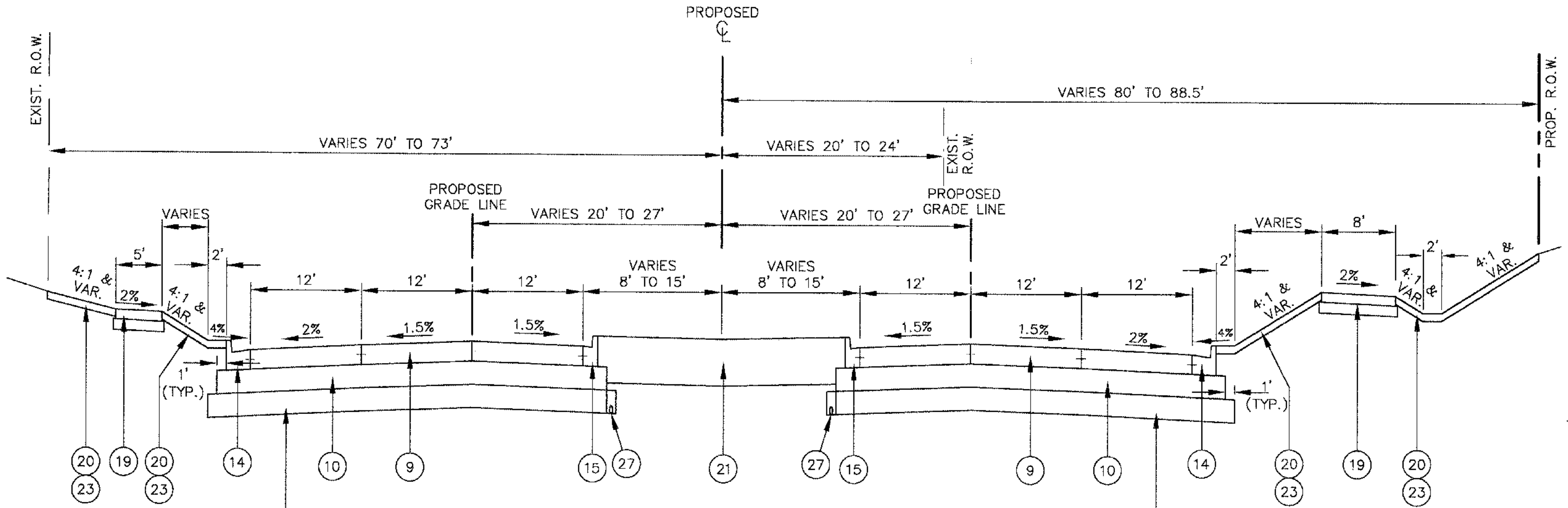
PROPOSED TYPICAL SECTION
RANDALL ROAD / IL. RTE. 64 INTERSECTION
STA. 38+40 TO STA. 40+33

(12) HIGH-EARLY-STRENGTH PCC PAVEMENT, 10" (JOINTED)
SEE SHEET NO. 109 FOR PAVEMENT JOINTS AND ELEVATIONS.
(10) AGGREGATE SUBGRADE, 12"
(11) POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

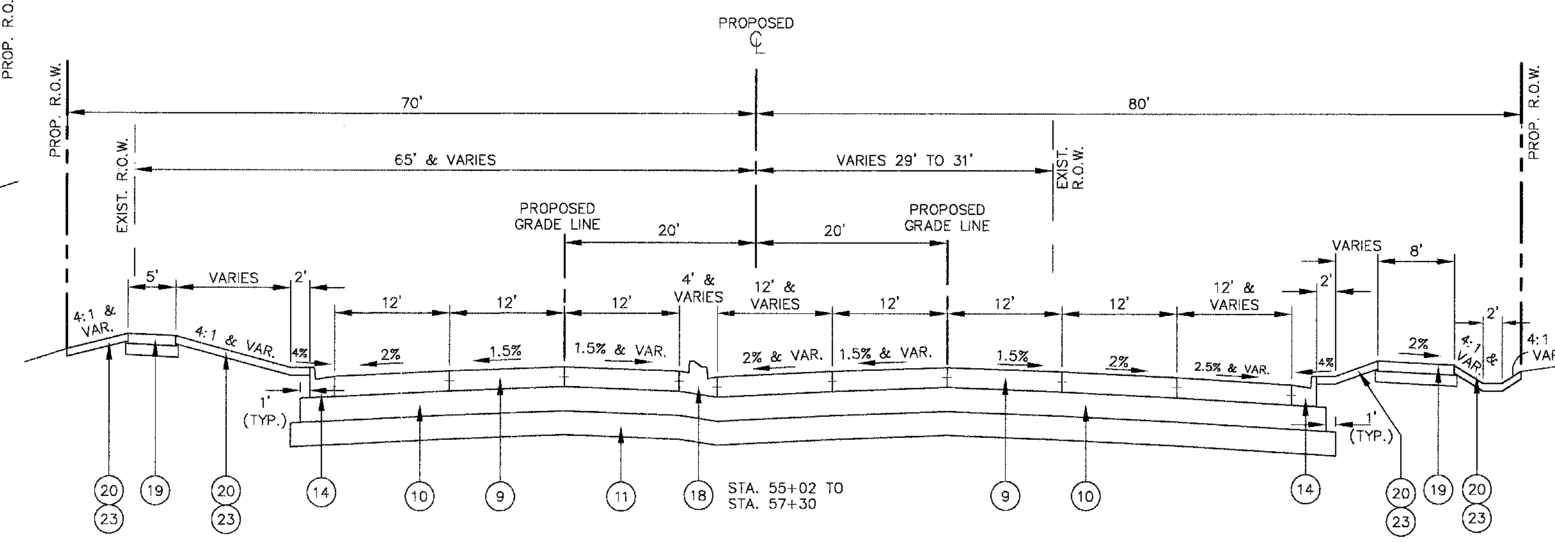
PROPOSED TYPICAL SECTION ITEMS

(1) POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"
(2) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"
(3) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"
(4) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"
(5) BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"
(6) BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"
(7) BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"
(8) LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
(9) PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C. SEE STANDARDS FOR TIE BARS AND DOWEL BARS
(10) AGGREGATE SUBGRADE, 12"
(11) POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
(12) HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
(13) AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
(14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
(15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(16) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
(17) PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN
(18) CONCRETE MEDIAN, TYPE SB-6.12
(19) PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"
(20) TOPSOIL FURNISH AND PLACE, 4"
(21) TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)
(22) SEEDING CLASS 2A
(23) SODDING, SALT TOLERANT
(24) STEEL PLATE BEAM GUARD RAIL, TYPE A GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"
(25) BITUMINOUS SURFACE REMOVAL
(26) STABILIZED BIKE PATH BITUMINOUS CONCRETE SURFACE COURS SUPERPAVE, MIX "C", N50, 3"; AGGREGATE BASE COURSE, TYPE B, 6"; AGGREGATE SHOULDERS, TYPE B, 6"
(27) PIPE UNDERDRAIN, 4"

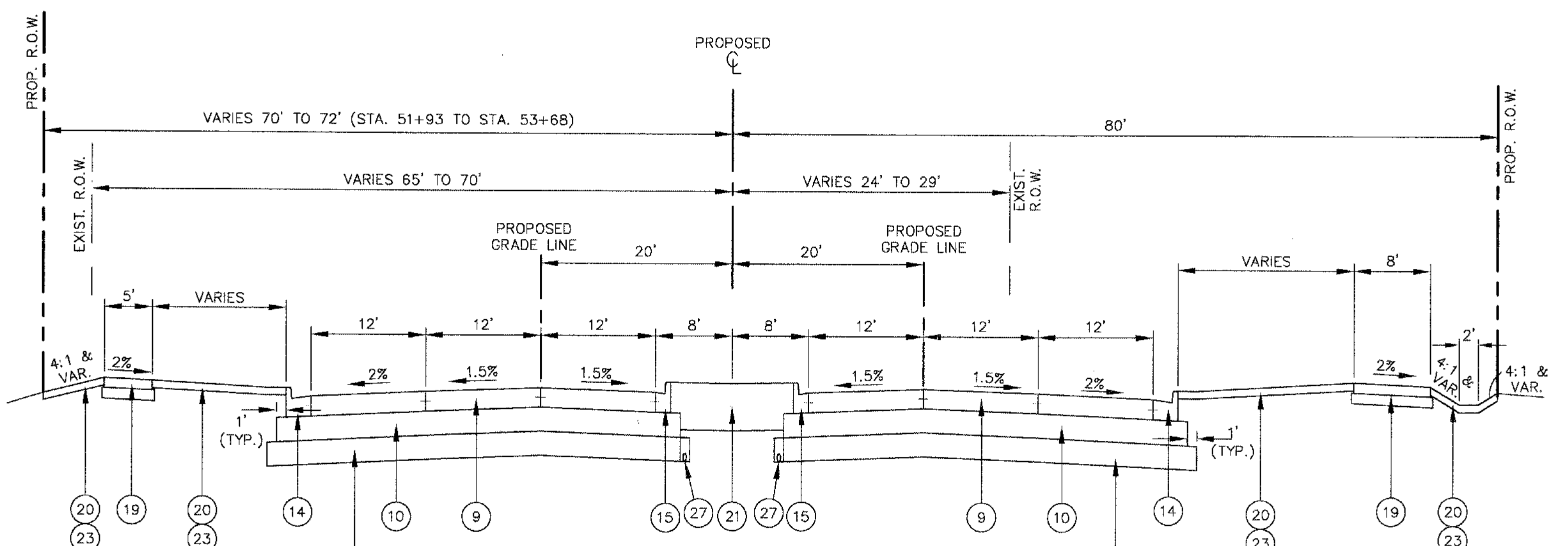
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH
336	99-00243-00-PV / CONTRACT NO. 83782	KANE	268	
PROPOSED TYPICAL SECTIONS				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(		



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 45+94 TO STA. 49+09

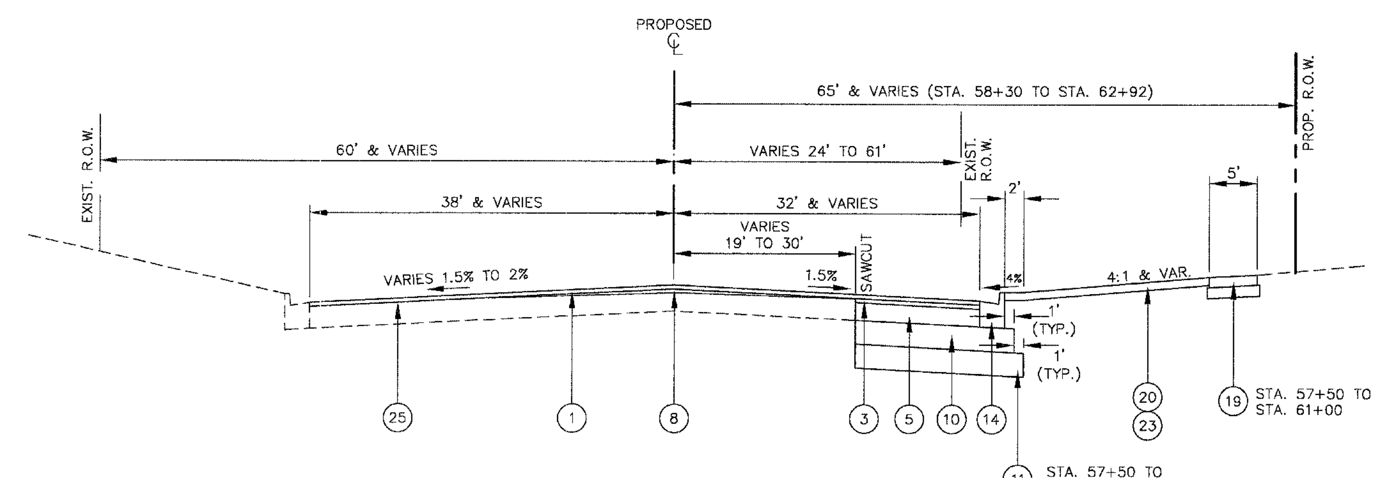


PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 55+02 TO STA. 57+50

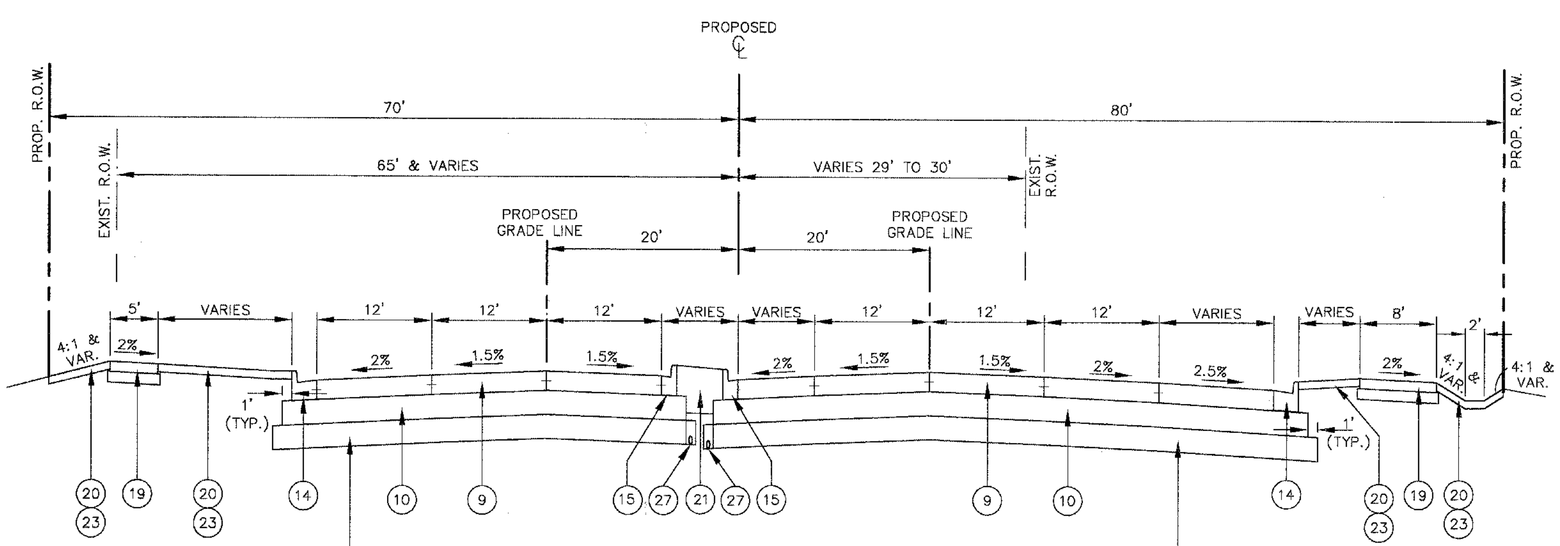


STA. 49+09 TO STA. 50+50; STA. 53+50 TO STA. 53+68

PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 49+09 TO STA. 53+68



PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 57+50 TO STA. 63+83



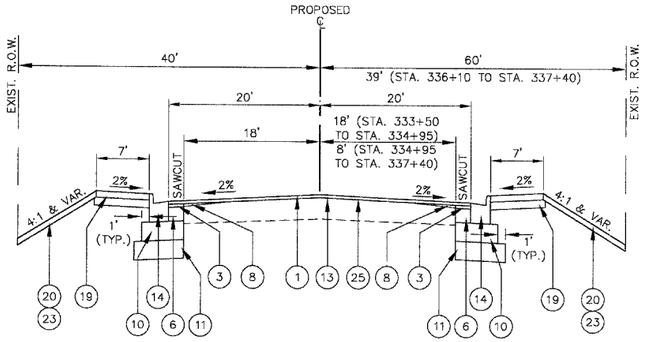
STA. 53+68 TO STA. 55+02

PROPOSED TYPICAL SECTION
RANDALL ROAD
STA. 53+68 TO STA. 55+02

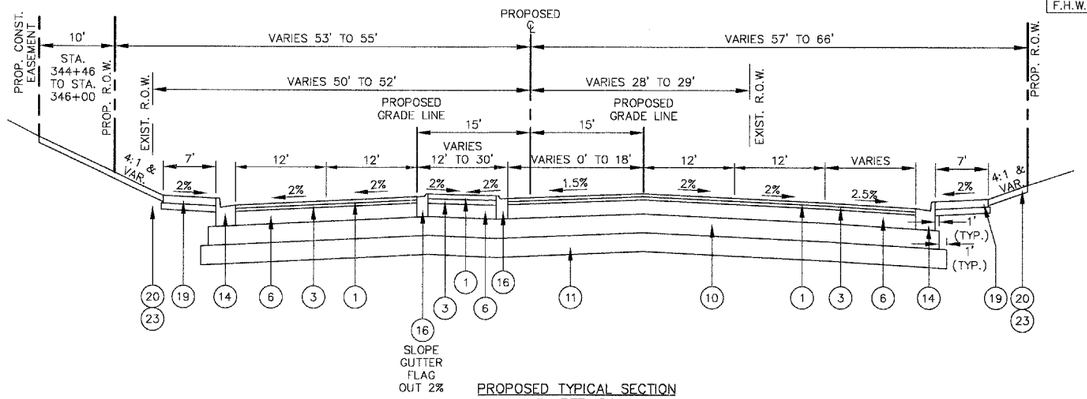
PROPOSED TYPICAL SECTION ITEMS

1. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"
2. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"
3. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"
4. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"
5. BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"
6. BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"
7. BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"
8. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
9. PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C. SEE STANDARDS FOR TIE BARS AND DOWEL BARS
10. AGGREGATE SUBGRADE, 12"
11. POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
12. HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
13. AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
17. PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN
18. CONCRETE MEDIAN, TYPE SB-6.12
19. PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"
20. TOPSOIL FURNISH AND PLACE, 4"
21. TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)
22. SEEDING CLASS 2A
23. SODDING, SALT TOLERANT
24. STEEL PLATE BEAM GUARD RAIL, TYPE A & GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"
25. BITUMINOUS SURFACE REMOVAL
26. STABILIZED BIKE PATH BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3"; AGGREGATE BASE COURSE, TYPE B, 6"; AGGREGATE SHOULDERS, TYPE B, 6"
27. PIPE UNDERDRAIN, 4"

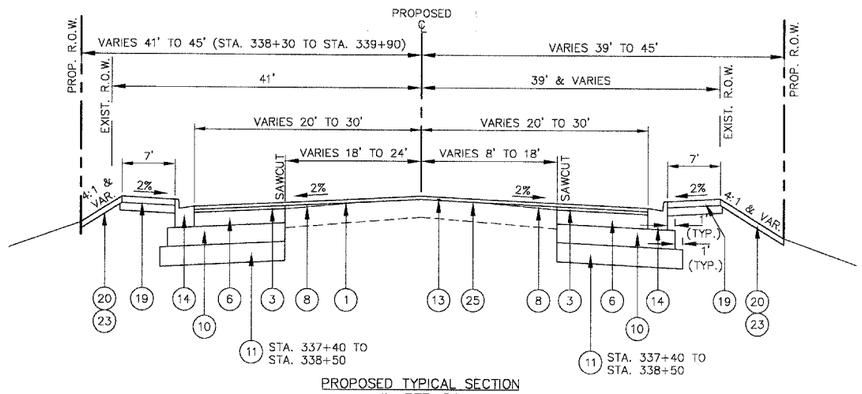
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PROPOSED TYPICAL SECTIONS			
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0			



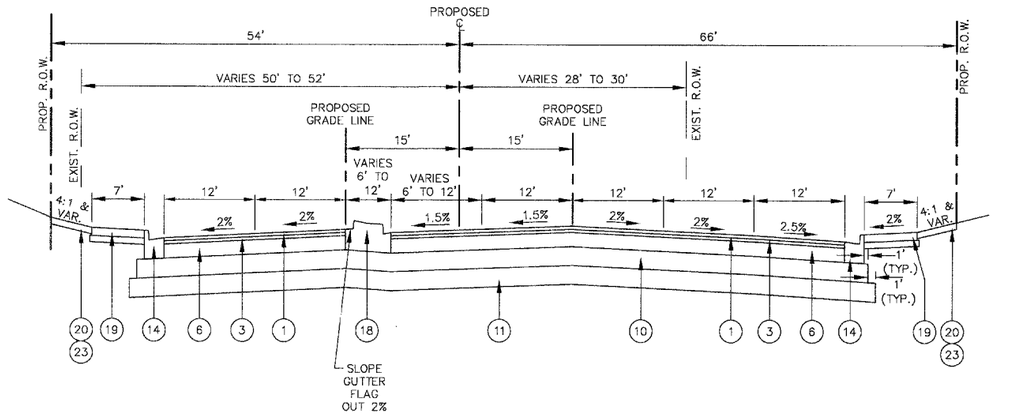
PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 333+50 TO STA. 337+40



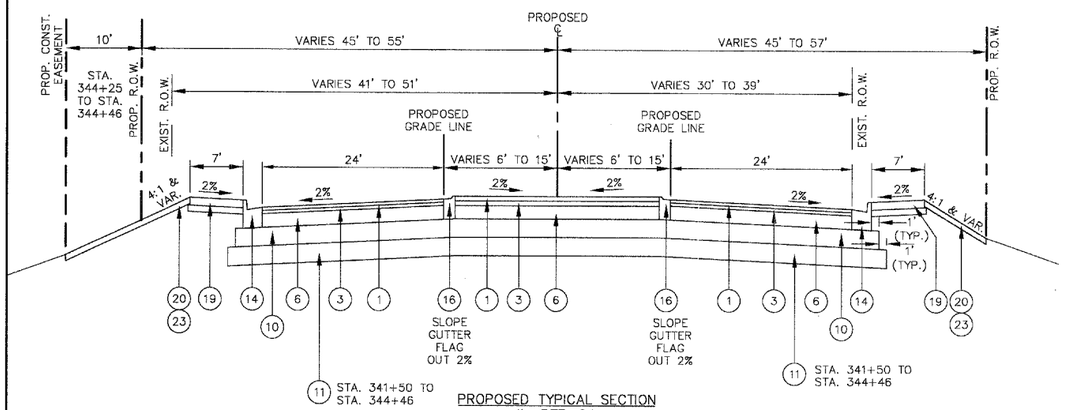
PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 344+46 TO STA. 346+44



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 337+40 TO STA. 339+90



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 346+44 TO STA. 347+46

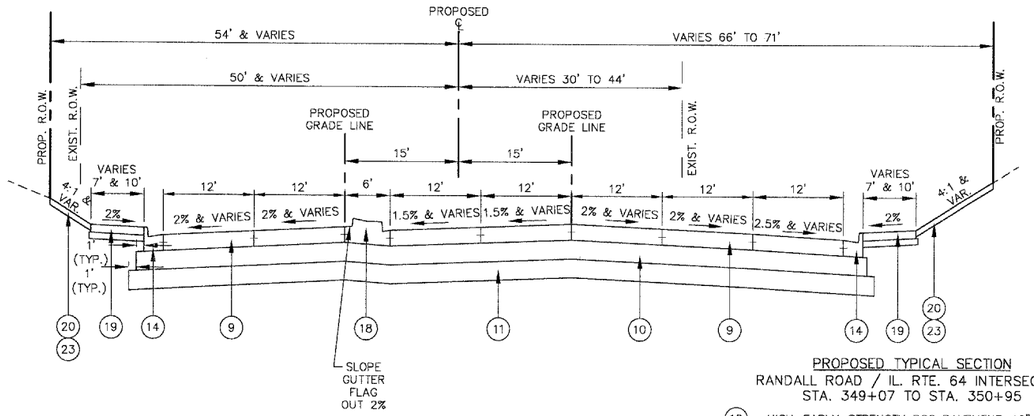


PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 339+90 TO STA. 344+46

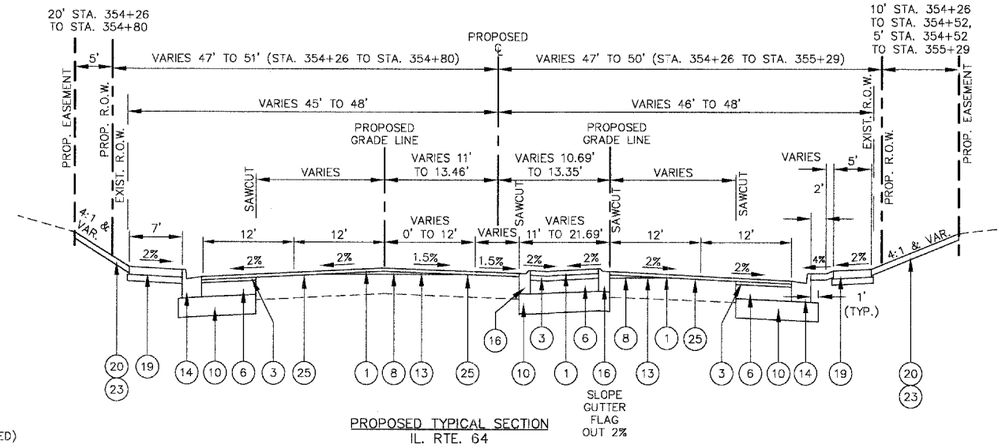
PROPOSED TYPICAL SECTION ITEMS

1. POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"
2. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"
3. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"
4. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"
5. BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"
6. BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"
7. BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"
8. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70
9. PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C. SEE STANDARDS FOR TIE BARS AND DOWEL BARS
10. AGGREGATE SUBGRADE, 12"
11. POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
12. HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
13. AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A
14. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
16. COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
17. PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN
18. CONCRETE MEDIAN, TYPE SB-6.12
19. PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"
20. TOPSOIL FURNISH AND PLACE, 4"
21. TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)
22. SEEDING CLASS 2A
23. SODDING, SALT TOLERANT
24. STEEL PLATE BEAM GUARD RAIL, TYPE A & GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"
25. BITUMINOUS SURFACE REMOVAL
26. STABILIZED BIKE PATH BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3"; AGGREGATE BASE COURSE, TYPE B, 6"; AGGREGATE SHOULDERS, TYPE B, 6"
27. PIPE UNDERDRAIN, 4"

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PROPOSED TYPICAL SECTIONS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 347+46 TO STA. 349+07



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 354+26 TO STA. 356+05

PROPOSED TYPICAL SECTION ITEMS

(1) POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"

(2) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"

(3) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"

(4) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"

(5) BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"

(6) BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"

(7) BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"

(8) LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70

(9) PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C SEE STANDARDS FOR TIE BARS AND DOWEL BARS

(10) AGGREGATE SUBGRADE, 12"

(11) POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

(12) HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)

(13) AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A

(14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

(15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

(16) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12

(17) PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN

(18) CONCRETE MEDIAN, TYPE SB-6.12

(19) PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"

(20) TOPSOIL FURNISH AND PLACE, 4"

(21) TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)

(22) SEEDING CLASS 2A

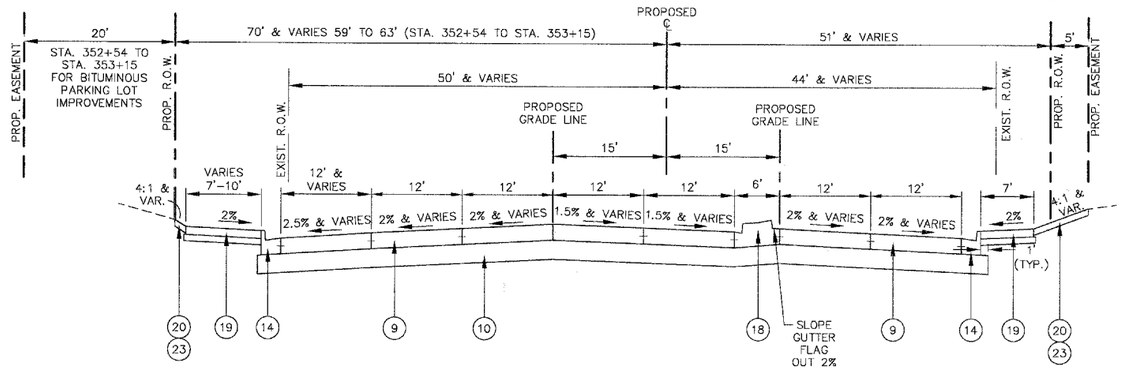
(23) SODDING, SALT TOLERANT

(24) STEEL PLATE BEAM GUARD RAIL, TYPE A & GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"

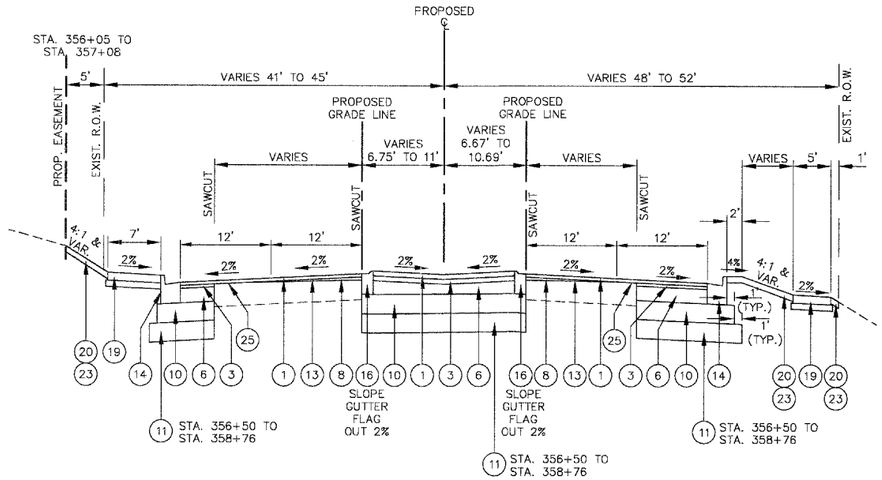
(25) BITUMINOUS SURFACE REMOVAL

(26) STABILIZED BIKE PATH
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3";
AGGREGATE BASE COURSE, TYPE B, 6";
AGGREGATE SHOULDERS, TYPE B, 6"

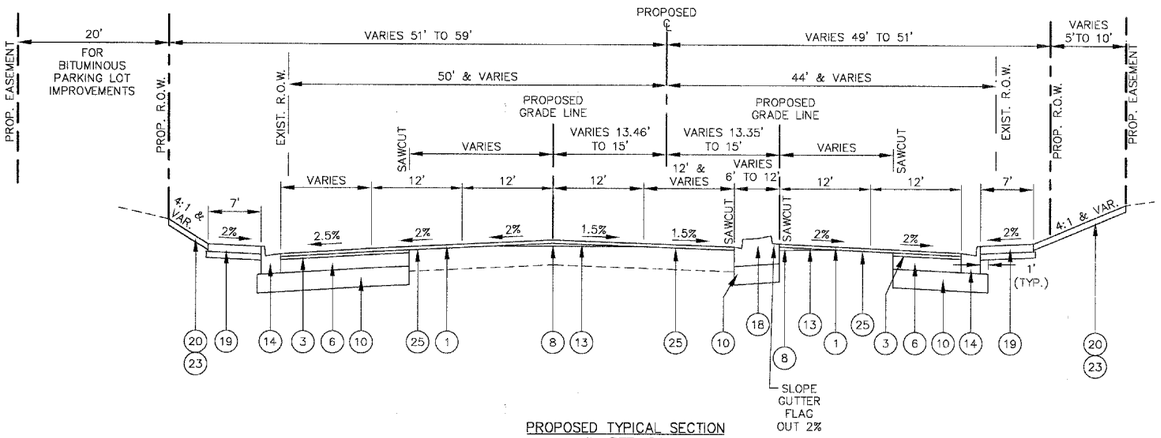
(27) PIPE UNDERDRAIN, 4"



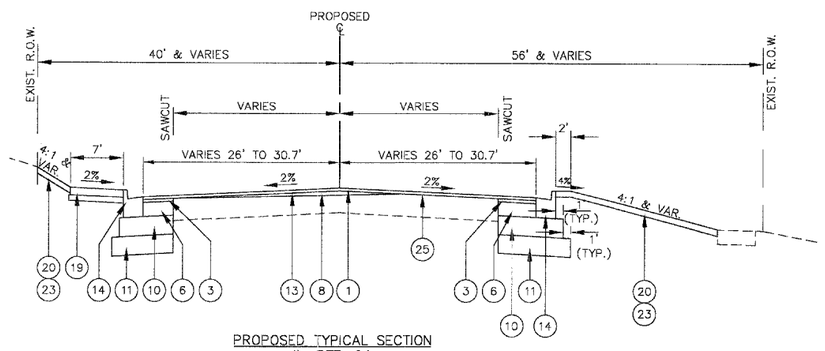
PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 350+95 TO STA. 353+15



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 356+05 TO STA. 358+76



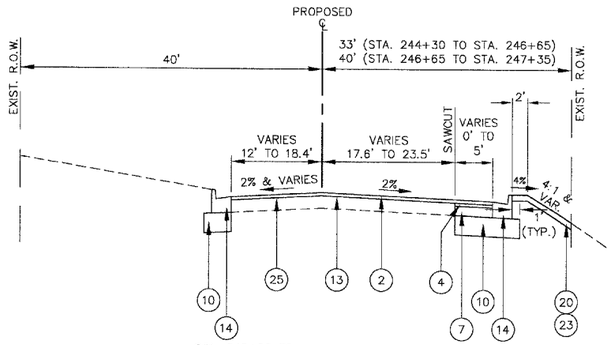
PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 353+15 TO STA. 354+26



PROPOSED TYPICAL SECTION
IL. RTE. 64
STA. 358+76 TO STA. 361+18

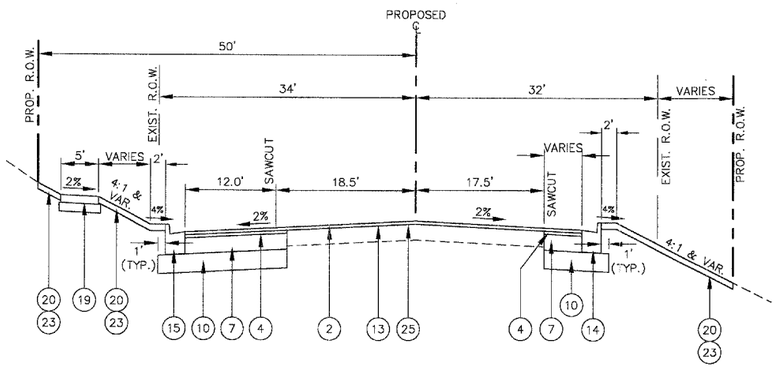
NOTE: STA. 361+18 TO STA. 364+25
GRIND 2" (25)
OVERLAY (1)

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PROPOSED TYPICAL SECTIONS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

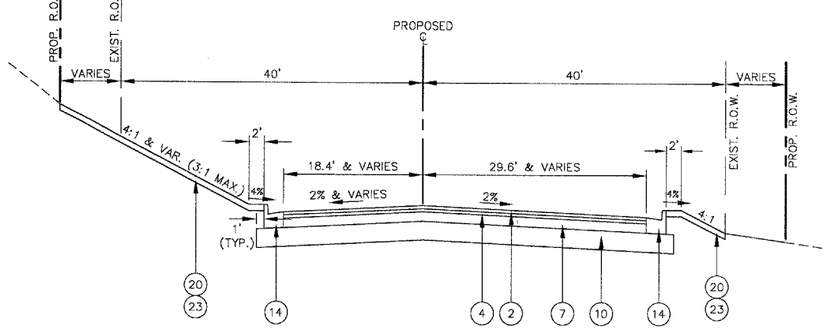


STA. 245+90 TO STA. 247+35 (EXIST. C&G STA. 244+30 TO STA. 245+90)

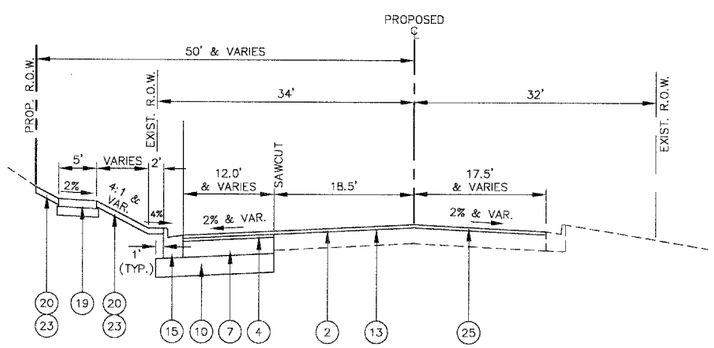
PROPOSED TYPICAL SECTION
DEAN STREET
STA. 244+30 TO STA. 247+50



PROPOSED TYPICAL SECTION
DEAN STREET
STA. 250+90 TO STA. 252+55



PROPOSED TYPICAL SECTION
DEAN STREET
STA. 247+50 TO STA. 248+90



PROPOSED TYPICAL SECTION
DEAN STREET
STA. 252+55 TO STA. 254+25

PAVEMENT DESIGN INFORMATION

RANDALL ROAD
PCC PAVEMENT
CLASS I
80000 LB
SIX LANE URBAN
2014 ADT 49750
PV 45272 (91%)
SU 2985 (6%)
MU 1493 (3%)
TF = 10.88
SSR POOR
TIED C&G
JOINTS AT 15'
12" AGG. SUBGRADE
THICKNESS REQUIRED = 9.75"
THICKNESS PROVIDED = 10"

RANDALL ROAD
BITUMINOUS PAVEMENT
CLASS I
80000 LB
FOUR LANE URBAN
2014 ADT 37150
PV 34920 (94%)
SU 1115 (3%)
MU 1115 (3%)
TF = 6.21
SSR POOR
AC MIX TEMP 77'
AC 20 PG 64-22
MODULUS 625 KSI
AC MICROSTRAIN 58
THICKNESS REQUIRED = 13.5"
THICKNESS PROVIDED = 14"

IL. ROUTE 64
BITUMINOUS PAVEMENT
CLASS I
80000 LB
FOUR LANE URBAN
2014 ADT 33150
PV 30829 (93%)
SU 1658 (5%)
MU 663 (2%)
TF = 4.89
SSR POOR
AC MIX TEMP 77'
AC 20 PG 64-22
MODULUS 625 KSI
AC MICROSTRAIN 63
THICKNESS REQUIRED = 12.75"
THICKNESS PROVIDED = 13"

DEAN STREET
BITUMINOUS PAVEMENT
CLASS II
80000 LB
TWO LANE URBAN
2014 ADT 6100
PV 5551 (91%)
SU 488 (8%)
MU 61 (1%)
TF = 0.79
SSR POOR
AC MIX TEMP 77'
AC 20 PG 64-22
MODULUS 625 KSI
AC MICROSTRAIN 115
THICKNESS REQUIRED = 9.25"
THICKNESS PROVIDED = 10"

PROPOSED TYPICAL SECTION ITEMS

(1) POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90, 2"

(2) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50, 2"

(3) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N90, 2 1/4"

(4) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50, 2 1/4"

(5) BITUMINOUS BASE COURSE, SUPERPAVE, 9 3/4"

(6) BITUMINOUS BASE COURSE, SUPERPAVE, 8 3/4"

(7) BITUMINOUS BASE COURSE, SUPERPAVE, 5 3/4"

(8) LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70

(9) PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED) JOINTS @ 15' C/C SEE STANDARDS FOR TIE BARS AND DOWEL BARS

(10) AGGREGATE SUBGRADE, 12"

(11) POROUS GRANULAR EMBANKMENT, SPECIAL 12" WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

(12) HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)

(13) AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A

(14) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

(15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

(16) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12

(17) PORTLAND CEMENT CONCRETE CORRUGATED MEDIAN

(18) CONCRETE MEDIAN, TYPE SB-6.12

(19) PORTLAND CEMENT CONCRETE SIDEWALK, 5" WITH AGGREGATE BASE COURSE, TYPE B, 4"

(20) TOPSOIL FURNISH AND PLACE, 4"

(21) TOPSOIL FURNISH AND PLACE, 24" (LANDSCAPED MEDIAN, SEE LANDSCAPING PLANS FOR GRADING)

(22) SEEDING CLASS 2A

(23) SODDING, SALT TOLERANT

(24) STEEL PLATE BEAM GUARD RAIL, TYPE A & GUARDRAIL STABILIZATION BITUMINOUS SHOULDERS SUPERPAVE 6"

(25) BITUMINOUS SURFACE REMOVAL

(26) STABILIZED BIKE PATH
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 3";
AGGREGATE BASE COURSE, TYPE B, 6";
AGGREGATE SHOULDERS, TYPE B, 6"

(27) PIPE UNDERDRAIN, 4"

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268
STAGING NOTES AND SIGNS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

LEGEND

- BARRIER – TYPE II BARRICADE, VERTICAL PANEL AND/OR DRUM W/STEADY BURN OR FLASHING LIGHT
- TYPE III BARRICADE W/STEADY BURN OR FLASHING LIGHT
- DIRECTION OF TRAFFIC MOVEMENT

DO NOT PASS — R4–1, 30" x 36"

SPEED LIMIT 30 — R2–1, 24" x 30"

W6–3, 30" x 30"

ROAD CONSTRUCTION AHEAD — W20–1, 48" x 48", WITH HIGH INTENSITY LIGHT AND 18"X18" ORANGE FLAG

RANDALL ROAD — 48" x 12", WITH MINIMUM 6" LETTERS

ILLINOIS RTE 64 — 48" x 12", WITH MINIMUM 6" LETTERS

DEAN STREET — 48" x 12", WITH MINIMUM 6" LETTERS

OAK STREET — 48" x 12", WITH MINIMUM 6" LETTERS

END CONSTRUCTION — G20–2, 60" x 24"

GENERAL NOTES FOR STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE TRAFFIC CONTROL PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND/OR THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE IN PLACE BEFORE CONSTRUCTION COMMENCES. RANDALL ROAD, ILLINOIS ROUTE 64, DEAN STREET, AND OAK STREET EXISTING STOP AND STOP AHEAD SIGNS SHALL BE RELOCATED TO CONTROL SIDE STREET OR ENTRANCE TRAFFIC FOR THE VARIOUS STAGES OF CONSTRUCTION SHOWN.

THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS AT THEIR OWN EXPENSE FOR THEIR CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CONTRACTOR PROPOSED TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR WRITTEN APPROVAL OF THE ENGINEER.

DURING STAGES 1, 1A, 2 AND 3, A MINIMUM OF FOUR 10 FOOT LANES (TWO THROUGH LANES IN EACH DIRECTION) SHALL BE KEPT OPEN AT ALL TIMES ON RANDALL ROAD AND ILLINOIS ROUTE 64. ANY PROPOSED DEVIATION FROM THIS PLAN WILL HAVE TO BE APPROVED BY IDOT, THE KANE COUNTY DIVISION OF TRANSPORTATION AND THE CITY OF ST. CHARLES.

A SHORT TERM SINGLE LANE CLOSURE MAY BE REQUIRED WHEN THERE IS LESS THAN A FOUR FOOT WORK ZONE ADJACENT TO TRAFFIC. THIS LANE CLOSURE SCHEDULE WILL NEED TO BE APPROVED BY IDOT, THE KANE COUNTY DIVISION OF TRANSPORTATION AND THE CITY OF ST. CHARLES.

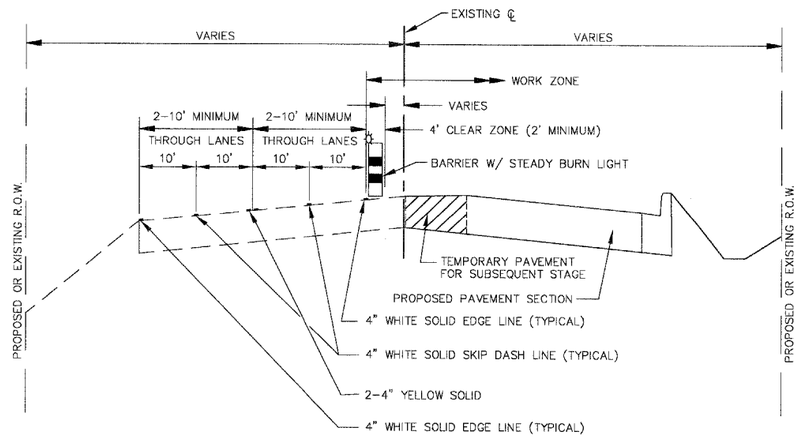
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

REMOVE EXISTING PAVEMENT MARKINGS AND PAVEMENT MARKERS IF IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHOWN IN THE STAGE CONSTRUCTION PLANS. REMOVE MEDIAN AT ILLINOIS ROUTE 64 AND RANDALL ROAD. FILL RESULTANT HOLE WITH TEMPORARY PAVEMENT FOR MAINTENANCE OF TRAFFIC.

THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE USED IN EACH OF THE VARIOUS STAGES OF CONSTRUCTION AS REQUIRED:

4" WHITE EDGE LINE – EACH EDGE
4" WHITE SKIP–DASH (30' SPACE – 10' DASH) – BETWEEN LANES
4" DOUBLE YELLOW – MEDIANS AND BETWEEN OPPOSING LANES
6" WHITE SKIP – DASH (6' SPACE – 2' DASH) – TURN BAY
6" WHITE LANE LINE – STORAGE AREA TURN BAY
12" YELLOW DIAGONALS
24" WHITE STOP BAR – ALL LOCATIONS
WHITE LETTERS AND SYMBOLS – TURN LANES

PLATING AND/OR DRAINAGE STRUCTURE ADJUSTMENTS MAY BE REQUIRED DUE TO THE STAGING OF THE CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL FOR THIS CONTRACT.



TYPICAL STAGE CONSTRUCTION
CROSS SECTION

CONSTRUCTION STAGING SEQUENCE

INSTALL CHANGEABLE MESSAGE BOARDS (4 TOTAL) ON NORTHBOUND AND SOUTHBOUND RANDALL ROAD AND EASTBOUND AND WESTBOUND ILLINOIS ROUTE 64 TWO WEEKS PRIOR TO CONSTRUCTION TO NOTIFY THE MOTORING PUBLIC CONCERNING THE UPCOMING ROADWAY CONSTRUCTION. WORK ZONE 30 MPH CONSTRUCTION SPEED LIMIT SIGNS SHALL BE POSTED ON RANDALL ROAD AND ILLINOIS ROUTE 64 THROUGHOUT CONSTRUCTION.

STAGE 1 CONSTRUCTION

INSTALL THE STAGE 1 CONSTRUCTION STAGING AS PER PLAN AND APPLICABLE IDOT STANDARDS. CONSTRUCT THE PROPOSED TEMPORARY TRAFFIC SIGNALS AS PER PLAN AND SPECIFICATIONS.

INSTALL THE TEMPORARY EROSION CONTROL DEVICES AS PER PLAN, STANDARDS AND AS DIRECTED BY ENGINEER.

REMOVE DESIGNATED TREES.

CONSTRUCT THE PROPOSED PEDESTRIAN UNDERPASS STATION 11+25 RT., APPROXIMATELY THE WESTERN THIRD AS PER THE PLAN AND SPECIFICATIONS.

CONSTRUCT THE PROPOSED STORM SEWER, WATER MAIN AND SANITARY SEWER, AS PER PLAN, WITHIN THIS STAGE.

COMMENCE THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.

CONSTRUCT THE PROPOSED BITUMINOUS PAVEMENT SECTION TO THE BINDER ELEVATION AS PER THIS STAGE.

CONSTRUCT THE PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT SECTION, AS PER THIS STAGE.

CONSTRUCT THE LANDSCAPE RESTORATION WITHIN THIS STAGE.

INSTALL EROSION CONTROL DEVICES AS PER PLAN AND AS DIRECTED BY ENGINEER.

STAGE 1A CONSTRUCTION

INSTALL THE STAGE 1A CONSTRUCTION STAGING AS PER PLAN AND APPLICABLE IDOT STANDARDS. ADJUST THE TEMPORARY TRAFFIC SIGNALS HEADS TO FUNCTION WITH THE NEW TEMPORARY LANE CONFIGURATIONS.

INSTALL THE TEMPORARY EROSION CONTROL DEVICES AS PER PLAN, STANDARDS AND AS DIRECTED BY ENGINEER.

CONSTRUCT THE PROPOSED PEDESTRIAN UNDERPASS STATION 11+25 CENTERLINE, APPROXIMATELY THE CENTER THIRD AS PER THE PLAN AND SPECIFICATIONS.

CONSTRUCT THE PROPOSED STORM SEWER, WATER MAIN AND SANITARY SEWER, AS PER PLAN, WITHIN THIS STAGE.

CONTINUE THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.

CONSTRUCT THE PROPOSED BITUMINOUS PAVEMENT SECTION TO THE BINDER ELEVATION AS PER THIS STAGE.

CONSTRUCT THE PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT SECTION, AS PER THIS STAGE.

CONSTRUCT THE LANDSCAPE RESTORATION WITHIN THIS STAGE.

INSTALL EROSION CONTROL DEVICES AS PER PLAN AND AS DIRECTED BY ENGINEER.

STAGE 2 CONSTRUCTION

INSTALL THE STAGE 2 CONSTRUCTION STAGING AS PER PLAN AND APPLICABLE IDOT STANDARDS. ADJUST THE TEMPORARY TRAFFIC SIGNALS HEADS TO FUNCTION WITH THE NEW TEMPORARY LANE CONFIGURATIONS.

INSTALL THE TEMPORARY EROSION CONTROL DEVICES AS PER PLAN, STANDARDS AND AS DIRECTED BY ENGINEER.

CONSTRUCT THE PROPOSED PEDESTRIAN UNDERPASS STATION 11+25 LT., APPROXIMATELY THE EASTERN THIRD AS PER THE PLAN AND SPECIFICATIONS.

CONSTRUCT THE PROPOSED STORM SEWER, WATER MAIN AND SANITARY SEWER, AS PER PLAN, WITHIN THIS STAGE.

CONTINUE THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.

CONSTRUCT THE PROPOSED BITUMINOUS PAVEMENT SECTION TO THE BINDER ELEVATION AS PER THIS STAGE.

CONSTRUCT THE PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT SECTION, AS PER THIS STAGE.

CONSTRUCT THE LANDSCAPE RESTORATION WITHIN THIS STAGE.

INSTALL EROSION CONTROL DEVICES AS PER PLAN AND AS DIRECTED BY ENGINEER.

STAGE 3 CONSTRUCTION

INSTALL THE STAGE 3 CONSTRUCTION STAGING AS PER PLAN AND APPLICABLE IDOT STANDARDS. ADJUST THE TEMPORARY TRAFFIC SIGNAL HEADS TO FUNCTION WITH THE NEW TEMPORARY LANE CONFIGURATIONS.

INSTALL THE TEMPORARY EROSION CONTROL DEVICES AS PER PLAN, STANDARDS AND AS DIRECTED BY ENGINEER.

COMPLETE THE PROPOSED STORM SEWER, WATER MAIN AND SANITARY SEWER, AS PER PLAN, WITHIN THIS STAGE.

COMPLETE THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.

CONSTRUCT THE RAISED CONCRETE MEDIAN AND COMBINATION CURB AND GUTTER AS PER PLAN.

COMPLETE THE PROPOSED BITUMINOUS PAVEMENT SECTION.

COMPLETE THE PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT.

COMPLETE THE LANDSCAPE RESTORATION OF THE PROJECT.

INSTALL EROSION CONTROL DEVICES AS PER PLAN AND AS DIRECTED BY ENGINEER.

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February 04, 2005 10:24:43 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

STAGE 1 RANDALL ROAD

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

TEMPORARY CONCRETE BARRIER

LOCATION	QUANTITY STAGE 1
STA. 4+35 TO 14+10 LT	975 L.F.
STA. 9+50 TO 13+50 RT	400 L.F.
TOTAL	1375 L.F.

ROADWAY IMPROVEMENT BEGINS STATION 1+00

1+57 6' RT MATCH EXISTING PAVEMENT MARKINGS

3+44 MATCH EXISTING PAVEMENT MARKINGS

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

TEMP. CONCRETE BARRIER END 4+35, PLACE IN CLEAR ZONE

2-4" YELLOW @ 11" C-C (TYP.)

TEMPORARY PAVEMENT 6+50 34' LT

6+50 8' LT

4" WHITE EDGE LINE

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

TEMPORARY PAVEMENT 10+06 40' LT

10+00 17' LT

10+00 3' RT

TEMP. IMPACT ATTENUATOR

TEMP. CONCRETE BARRIER END 9+50, PLACE IN CLEAR ZONE

0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+

MATCH LINE STATION 12+00 SEE BELOW

SCALE: 1" = 40'

RANDALL ROAD
STAGE 1

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

MATCH LINE STATION 252+00 SEE SHEET 19

DEAN ST.

2-4" YELLOW @ 11" C-C (TYP.)

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

6" WHITE LANE LINE

20+27

24" WHITE STOP BAR

23+04 17' LT

TEMPORARY PAVEMENT 13+40 40' LT

2-4" YELLOW @ 11" C-C (TYP.)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

6" WHITE LANE LINE

8' WHITE LETTERS & SYMBOLS (TYP.)

4" WHITE EDGE LINE

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

TEMP. CONCRETE BARRIER END 14+10, PLACE IN CLEAR ZONE

15+89 17' LT

12+50 17' LT

TEMP. IMPACT ATTENUATOR

14+89 10.0' LT

16+89 17' LT

16+99 7' LT

18+27 17' LT

19+38 7' LT

20+38 17' LT

22+38 17' LT

12+50 3' RT

250+45 8.20' LT

249+50 8.4' RT

18+38 7' LT

20+00 30:1

SAWCUT

24" WHITE STOP BAR (TYP.)

TEMP. CONCRETE BARRIER END 13+50, PLACE IN CLEAR ZONE

CONTINUATION OF CURB & GUTTER TO BE BUILT IN LATER STAGE

2-4" YELLOW @ 11" C-C (TYP.)

4" WHITE EDGE LINE

2-24" WHITE LINES @ 50' C-C RAILROAD CROSSING SYMBOLS

22+68 3' RT

MATCH LINE STATION 248+00 SEE SHEET 19

MATCH LINE STATION 12+00 SEE ABOVE

MATCH LINE STATION 24+00 SEE SHEET 16

SCALE: 1" = 40'

RANDALL ROAD
STAGE 1

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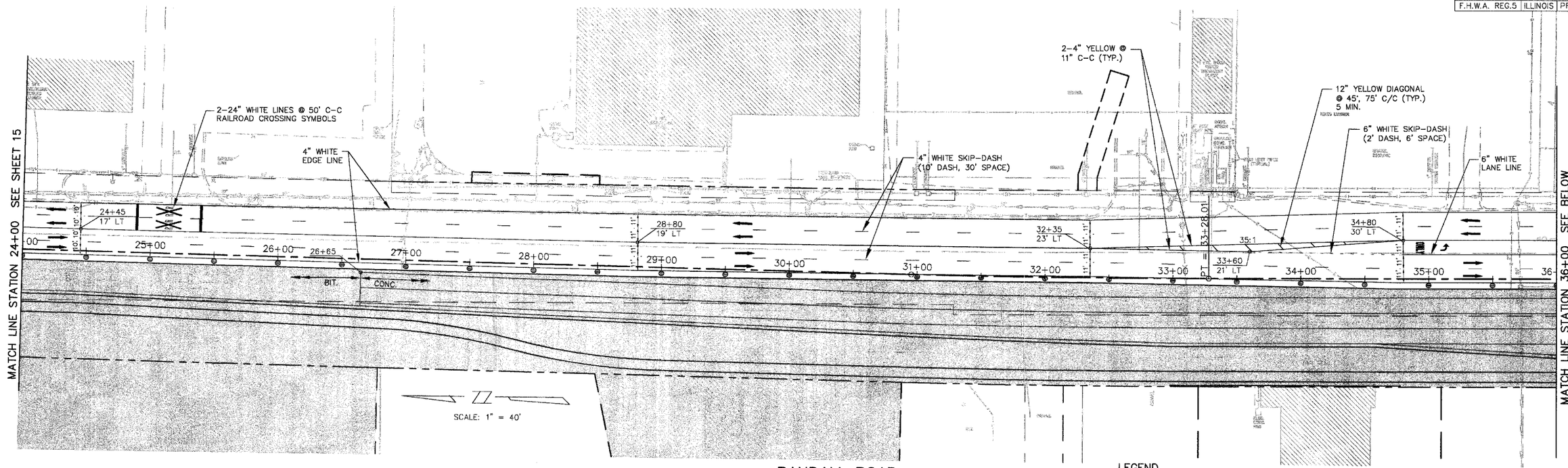
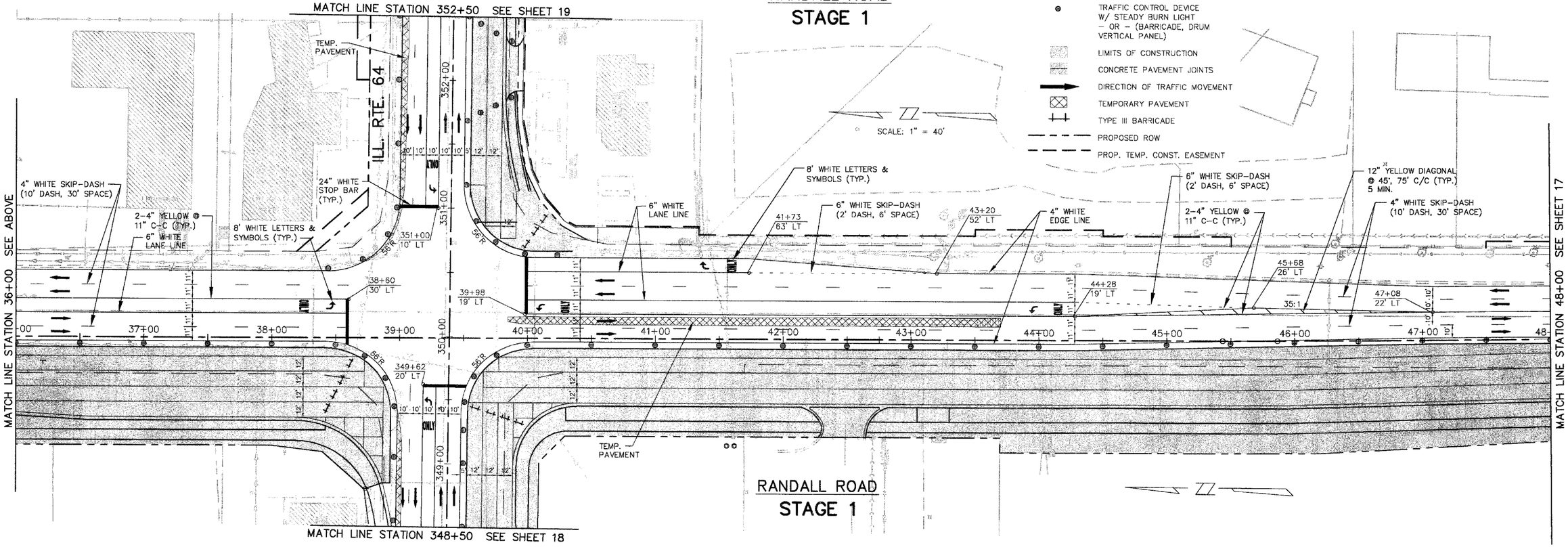
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



RANDALL ROAD
STAGE 1

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT



RANDALL ROAD
STAGE 1

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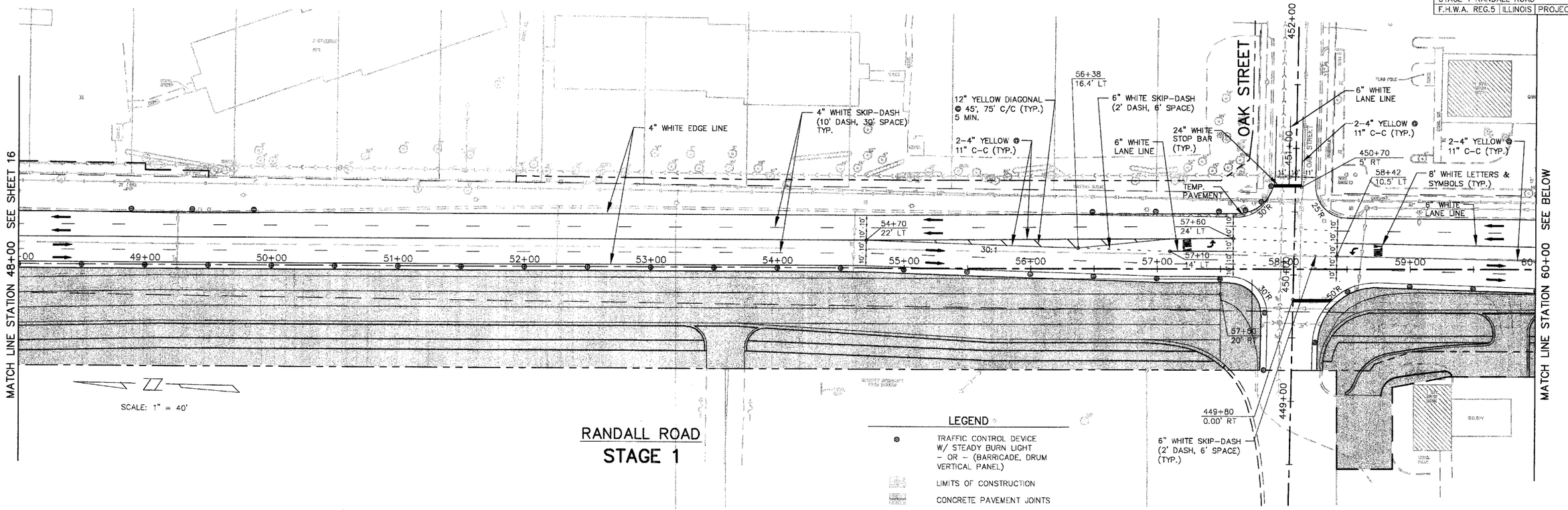
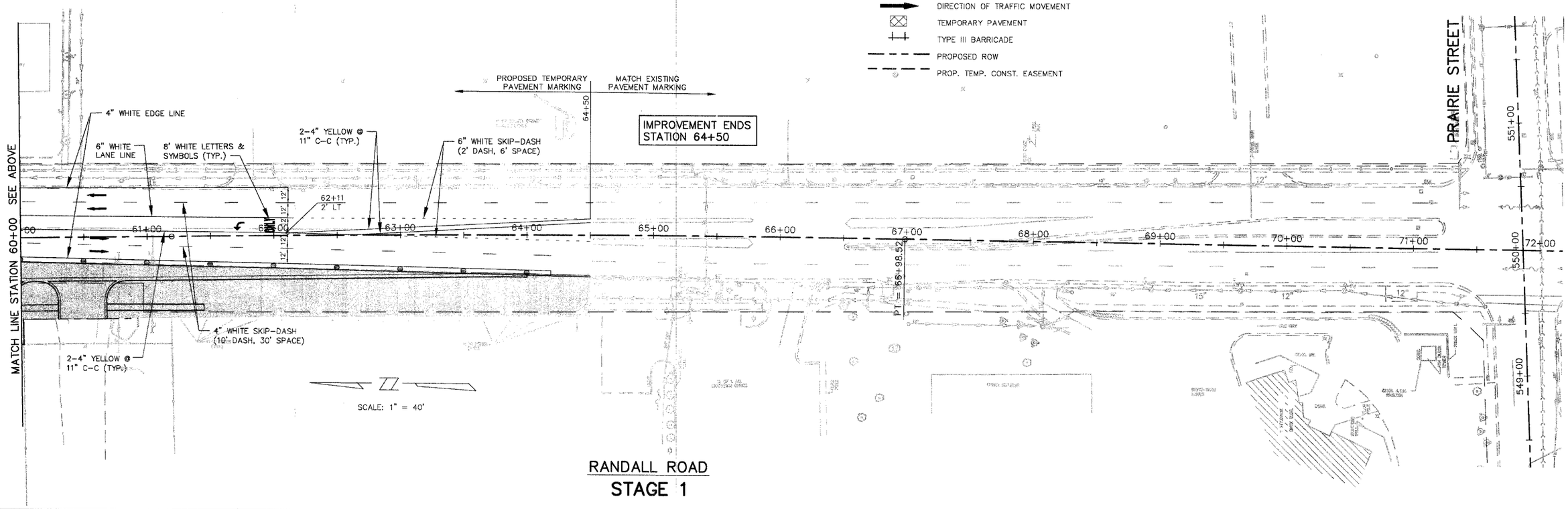
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS	PROJECT F-0336(0		



RANDALL ROAD
STAGE 1

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT



RANDALL ROAD
STAGE 1

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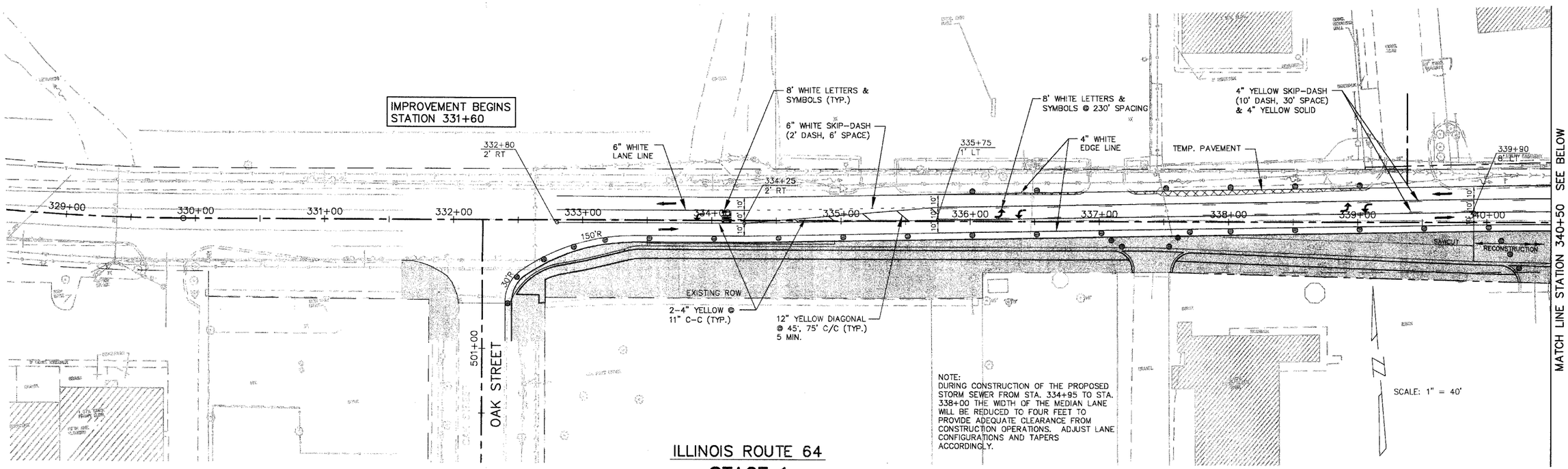
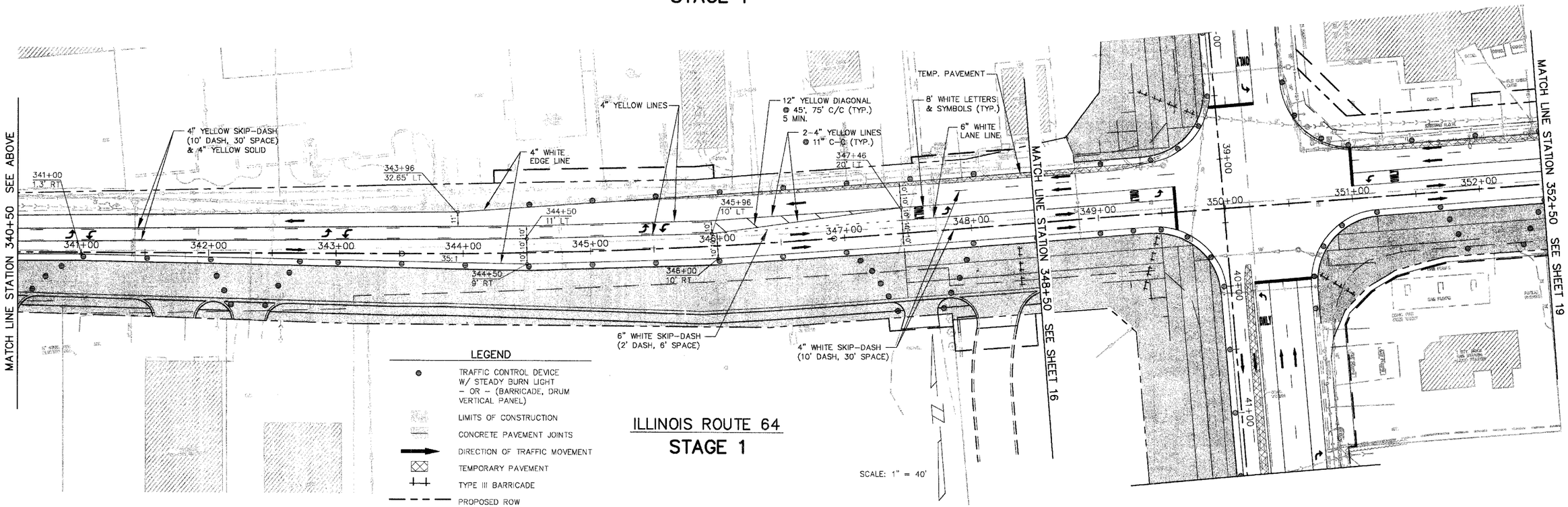
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 1 ILLINOIS ROUTE 64			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



ILLINOIS ROUTE 64
STAGE 1



LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

ILLINOIS ROUTE 64
STAGE 1

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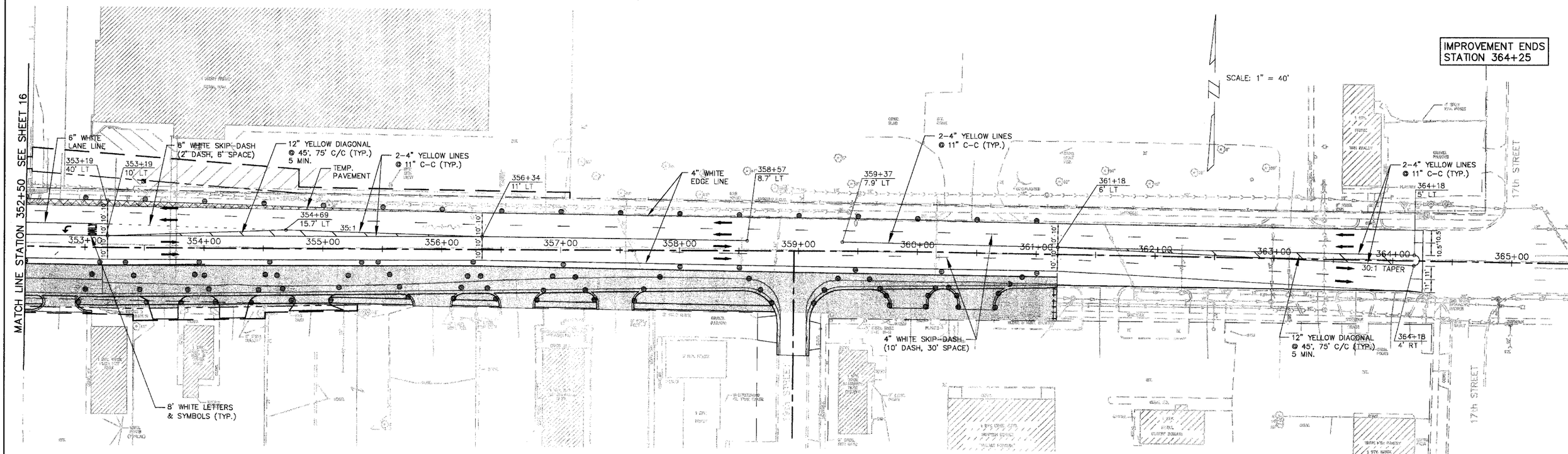
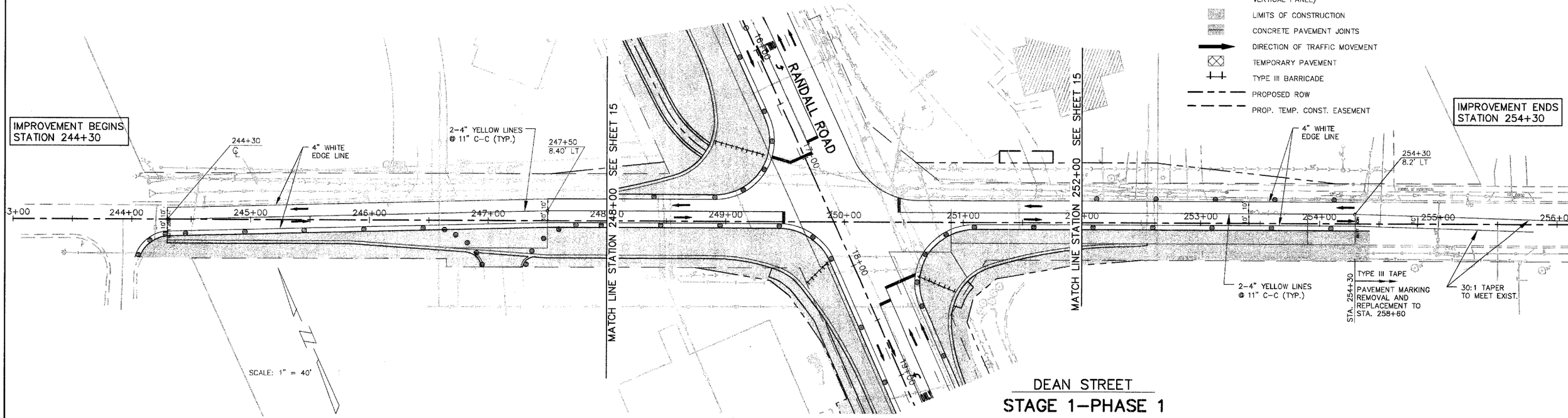
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 1 ILLINOIS ROUTE 64 & DEAN STREET			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



ILLINOIS ROUTE 64
STAGE 1

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT



DEAN STREET
STAGE 1–PHASE 1

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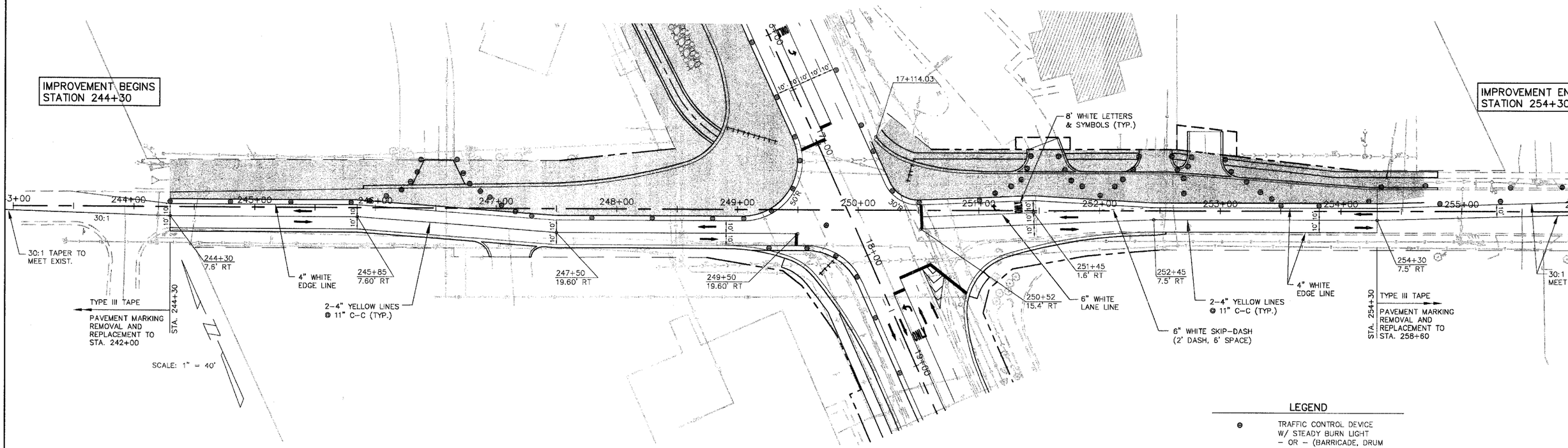
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 1A DEAN STREET			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



DEAN STREET

STAGE 1-PHASE 2

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

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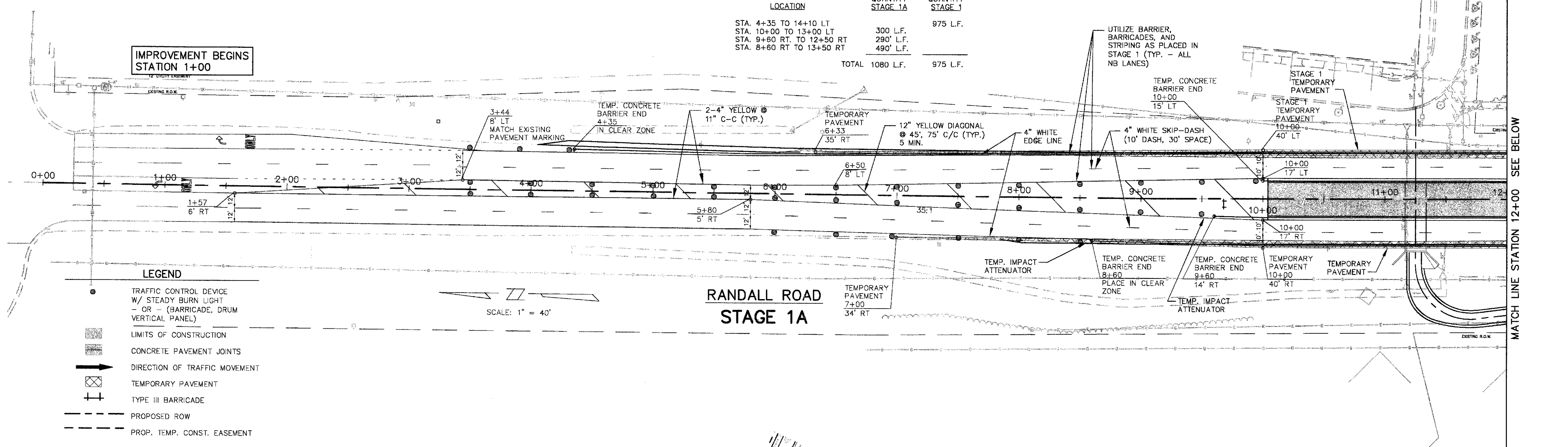
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

STAGE 1A RANDALL ROAD

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(

TEMPORARY CONCRETE BARRIER

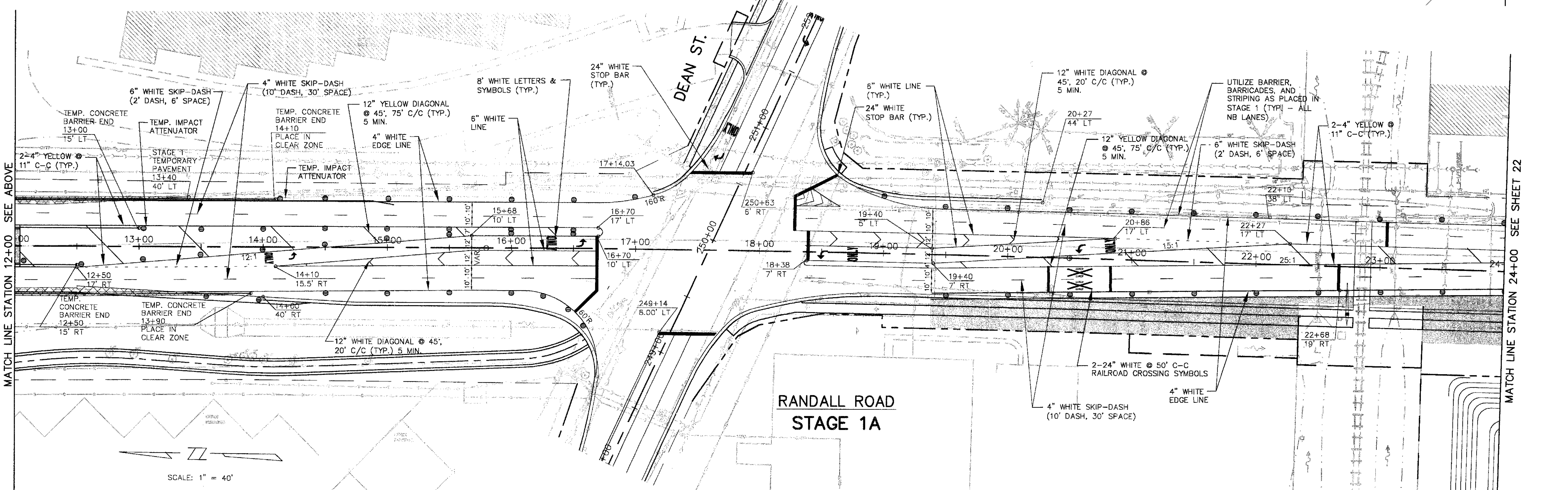
LOCATION	QUANTITY STAGE 1A	QUANTITY STAGE 1
STA. 4+35 TO 14+10 LT		975 L.F.
STA. 10+00 TO 13+00 LT	300 L.F.	
STA. 9+60 RT. TO 12+50 RT	290' L.F.	
STA. 8+60 RT TO 13+50 RT	490' L.F.	
TOTAL	1080 L.F.	975 L.F.



IMPROVEMENT BEGINS STATION 1+00
3+44 8' LT MATCH EXISTING PAVEMENT MARKING
TEMP. CONCRETE BARRIER END 4+35 IN CLEAR ZONE
2-4" YELLOW @ 11" C-C (TYP.)
TEMPORARY PAVEMENT 6+33 35' RT
12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.
4" WHITE EDGE LINE
UTILIZE BARRIER, BARRICADES, AND STRIPING AS PLACED IN STAGE 1 (TYP. - ALL NB LANES)
TEMP. CONCRETE BARRIER END 10+00 15' LT
4" WHITE SKIP-DASH (10' DASH, 30' SPACE)
STAGE 1 TEMPORARY PAVEMENT
STAGE 1 TEMPORARY PAVEMENT 10+00 40' LT
10+00 17' LT
10+00 17' RT
1+57 6' RT
5+80 5' RT
6+50 8' LT
35:1
TEMP. IMPACT ATTENUATOR
TEMP. CONCRETE BARRIER END 8+60 PLACE IN CLEAR ZONE
TEMP. CONCRETE BARRIER END 9+60 14' RT
TEMP. IMPACT ATTENUATOR
TEMPORARY PAVEMENT 10+00 40' RT
TEMPORARY PAVEMENT
TEMPORARY PAVEMENT 7+00 34' RT
RANDALL ROAD
STAGE 1A
SCALE: 1" = 40'
MATCH LINE STATION 12+00 SEE BELOW

LEGEND

- ● TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT



MATCH LINE STATION 12+00 SEE ABOVE
TEMP. CONCRETE BARRIER END 13+00 15' LT
2-4" YELLOW @ 11" C-C (TYP.)
TEMP. IMPACT ATTENUATOR
STAGE 1 TEMPORARY PAVEMENT 13+40 40' LT
6" WHITE SKIP-DASH (2' DASH, 6' SPACE)
4" WHITE SKIP-DASH (10' DASH, 30' SPACE)
TEMP. CONCRETE BARRIER END 14+10 PLACE IN CLEAR ZONE
TEMP. IMPACT ATTENUATOR
12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.
4" WHITE EDGE LINE
6" WHITE LINE
8' WHITE LETTERS & SYMBOLS (TYP.)
24" WHITE STOP BAR (TYP.)
DEAN ST.
17+14.03
15+68 10' LT
16+70 17' LT
16+70 10' LT
12+50 17' RT
14+10 15.5' RT
14+00 40' RT
TEMP. CONCRETE BARRIER END 12+50 15' RT
TEMP. CONCRETE BARRIER END 13+90 PLACE IN CLEAR ZONE
12" WHITE DIAGONAL @ 45', 20' C/C (TYP.) 5 MIN.
250+63 5' RT
249+14 8.00' LT
18+38 7' RT
6" WHITE LINE (TYP.)
24" WHITE STOP BAR (TYP.)
12" WHITE DIAGONAL @ 45', 20' C/C (TYP.) 5 MIN.
20+27 44' LT
12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.
6" WHITE SKIP-DASH (2' DASH, 6' SPACE)
UTILIZE BARRIER, BARRICADES, AND STRIPING AS PLACED IN STAGE 1 (TYP. - ALL NB LANES)
2-4" YELLOW @ 11" C-C (TYP.)
19+40 5' LT
19+40 7' RT
20+86 17' LT
22+10 38' LT
22+27 17' LT
22+68 19' RT
15:1
25:1
2-24" WHITE @ 50' C-C RAILROAD CROSSING SYMBOLS
4" WHITE EDGE LINE
4" WHITE SKIP-DASH (10' DASH, 30' SPACE)
RANDALL ROAD
STAGE 1A
SCALE: 1" = 40'
MATCH LINE STATION 24+00 SEE SHEET 22

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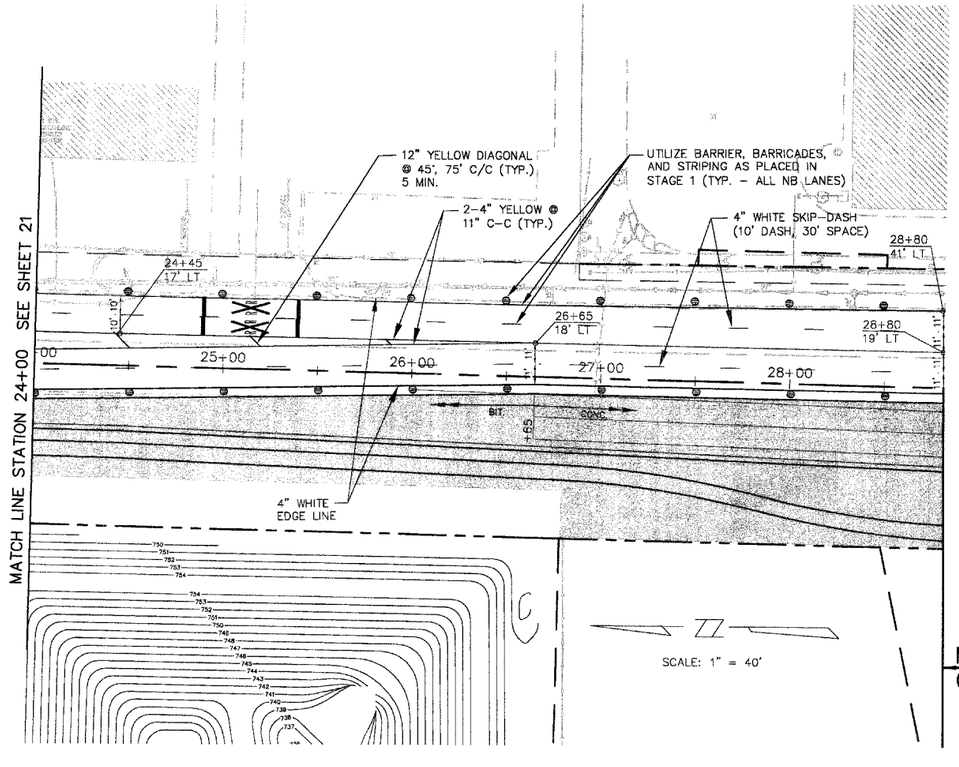
F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268
STAGE 1A RANDALL ROAD & DEAN STREET			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



MATCH STAGE 1
CONSTRUCTION PLAN

RANDALL ROAD
STAGE 1A

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-033	

TEMPORARY CONCRETE BARRIER

LOCATION	QUANTITY STAGE 2
STA. 4+35 LT TO 13+00 LT	865 L.F.
STA. 8+60 RT TO 13+90 RT	530' L.F.
TOTAL	1395 L.F.

IMPROVEMENT BEGINS STATION 1+00

TEMP. CONCRETE BARRIER END 4+35 30' LT

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

2+65 6' LT

1+57 6' RT

5+80 5' RT

10+00 3' LT

10+00 17' RT

11+90 3' LT

11+90 17' RT

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

2-4" YELLOW @ 11" C-C (TYP.)

4" WHITE EDGE LINE

2-4" YELLOW @ 11" C-C (TYP.)

STAGE 1 A TEMP. CONCRETE BARRIER END 8+60

UTILIZE BARRIER, BARRICADES, AND STRIPING AS PLACED IN STAGE 1A (TYP. - ALL SB LANES)

TEMP. IMPACT ATTENUATOR

35:1

MATCH LINE STATION 12+00 SEE BELOW

RANDALL ROAD
STAGE 2

SCALE: 1" = 40'

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT - OR - (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

NOTE:
DAILY LANE CLOSURES OF ONE NORTHBOUND TRAFFIC LANE FOR THE CONSTRUCTION OF THE PROPOSED BITUMINOUS PAVEMENT ON THE EAST SIDE OF RANDALL ROAD FROM STA. 22+92 TO STA. 26+65 MUST BE APPROVED BY THE ENGINEER.

MATCH LINE STATION 252+00 SEE SHEET 27

DEAN ST.

24" WHITE STOP BAR (TYP.)

2-4" YELLOW @ 11" C-C (TYP.)

6" WHITE LANE LINE

8" WHITE LETTERS & SYMBOLS (TYP.)

4" WHITE EDGE LINE

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

TEMP. CONCRETE BARRIER END 13+00 14' LT

TEMP. IMPACT ATTENUATOR

2-4" YELLOW @ 11" C-C (TYP.)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

4" WHITE EDGE LINE

MATCH LINE STATION 12+00 SEE ABOVE

MATCH LINE STATION 24+00 SEE SHEET 24

STAGE 1A TEMPORARY PAVEMENT

TEMP. CONCRETE BARRIER END 13+90 PLACE IN CLEAR ZONE

6" WHITE LANE LINE

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

2-4" YELLOW @ 11" C-C (TYP.)

2-24" WHITE @ 50' C-C RAILROAD CROSSING SYMBOLS

NOTE:
PROPOSED COMBINATION CONCRETE CURB & GUTTER FROM STA. 6+20 TO 14+00 RT. SHALL BE CONSTRUCTED IN STAGE 3.

MATCH LINE STATION 248+00 SEE SHEET 27

RANDALL ROAD
STAGE 2

SCALE: 1" = 40'

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February 04, 2005 11:15:57 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS		PROJECT F-0336(0	

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

NOTE:
DAILY LANE CLOSURES OF ONE NORTHBOUND TRAFFIC LANE FOR THE CONSTRUCTION OF THE PROPOSED BITUMINOUS PAVEMENT ON THE EAST SIDE OF RANDALL ROAD FROM STA. 22+92 TO STA. 26+65 MUST BE APPROVED BY THE ENGINEER.

SCALE: 1" = 40'

MATCH LINE STATION 24+00 SEE SHEET 23

2-24" WHITE @ 50' C-C RAILROAD CROSSING SYMBOLS

4" WHITE EDGE LINE

26+65
10.44' RT

BIT.

CONC.

24+40
12' RT

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

26+00
14' RT

2-4" YELLOW @
11" C-C (TYP.)

31+30
7' RT

31+30
27' RT

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

33+30
31' RT

2-4" YELLOW @
11" C-C (TYP.)

34+80
21' RT

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

6" WHITE LANE LINE

8' WHITE LETTERS & SYMBOLS (TYP.)

MATCH LINE STATION 36+00 SEE BELOW

RANDALL ROAD
STAGE 2

MATCH LINE STATION 352+50 SEE SHEET 27

ILL. RTE. 64

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

6" WHITE LANE LINE

2-4" YELLOW @
11" C-C (TYP.)

NOTE:
TEMPORARY PAVEMENT WILL BE REQUIRED IN THE MULTIPLE SUB-STAGES OF CONSTRUCTION OF THE INTERSECTION TO TRANSITION FROM EXISTING PAVEMENT TO NEWLY CONSTRUCTED PAVEMENT. SEE SHEETS 33 THROUGH 38 FOR INTERSECTION STAGING.

SCALE: 1" = 40'

4" WHITE EDGE LINE

350+41
19' RT

38+84
21' RT

36+58
51' RT

40+28
31' RT

45+28
31' RT

45+59
31' RT

45+78
21' RT

349+10
9' RT

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

2-4" YELLOW @
11" C-C (TYP.)

6" WHITE LANE LINE

24" WHITE STOP BAR (TYP.)

8' WHITE LETTERS & SYMBOLS (TYP.)

6" WHITE LANE LINE

2-4" YELLOW @
11" C-C (TYP.)

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

2-4" YELLOW @
11" C-C (TYP.)

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

MATCH LINE STATION 36+00 SEE ABOVE

MATCH LINE STATION 48+00 SEE SHEET 25

RANDALL ROAD
STAGE 2

MATCH LINE STATION 348+50 SEE SHEET 26

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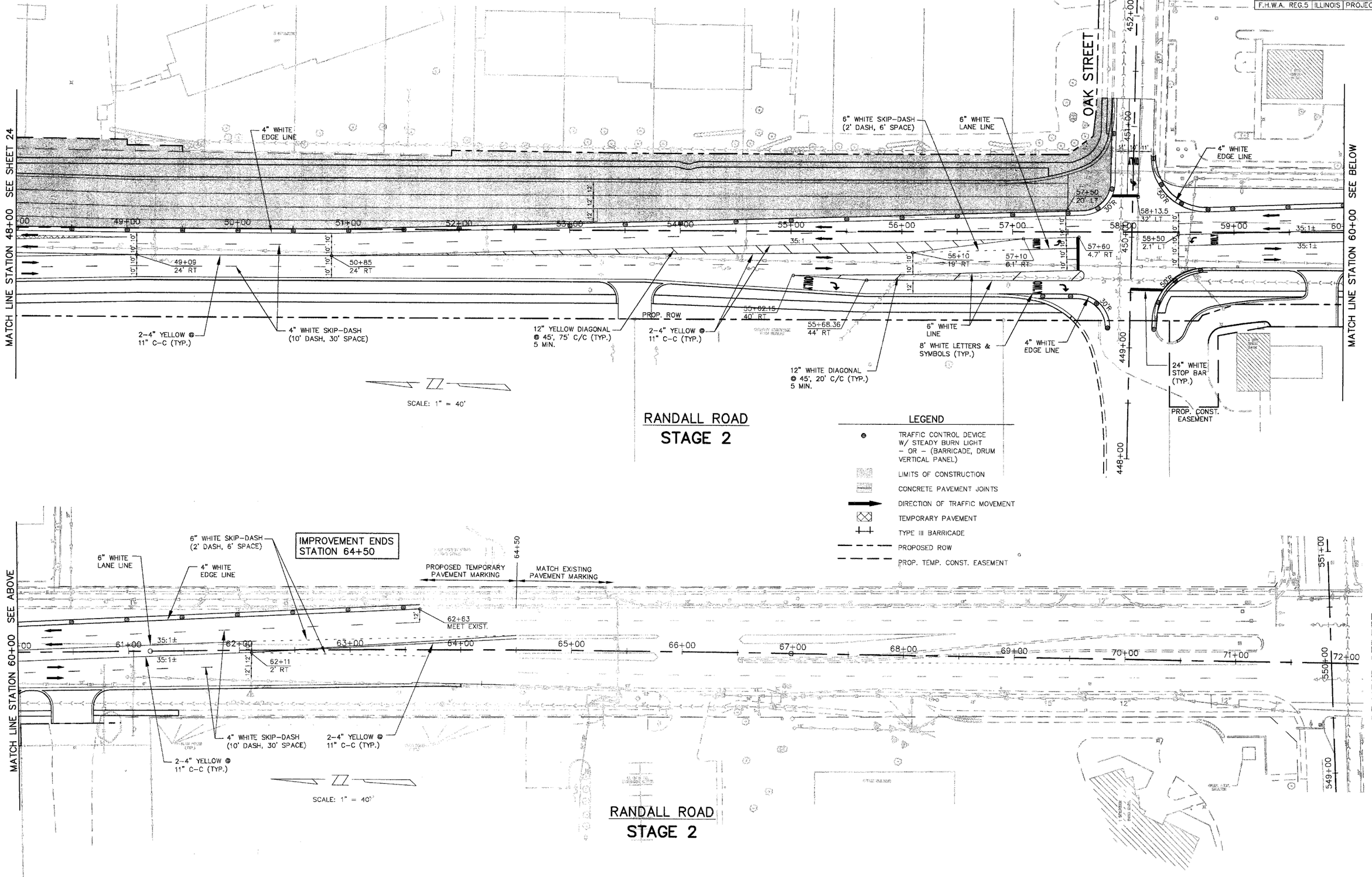
February 04, 2005 11:15:57 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS	PROJECT F-0336(0		



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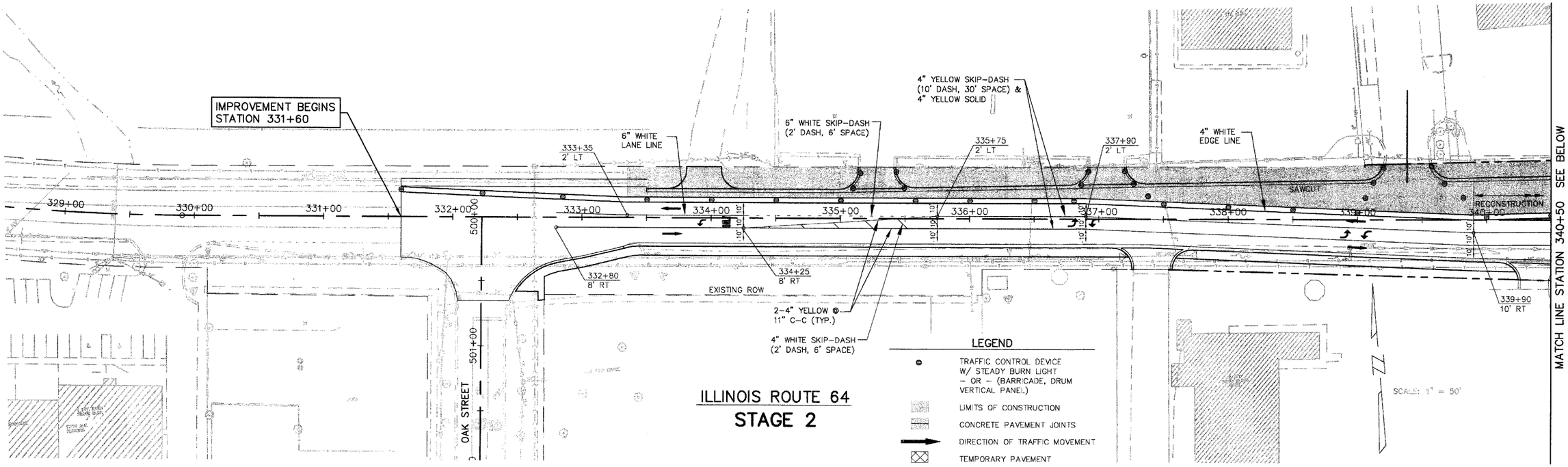
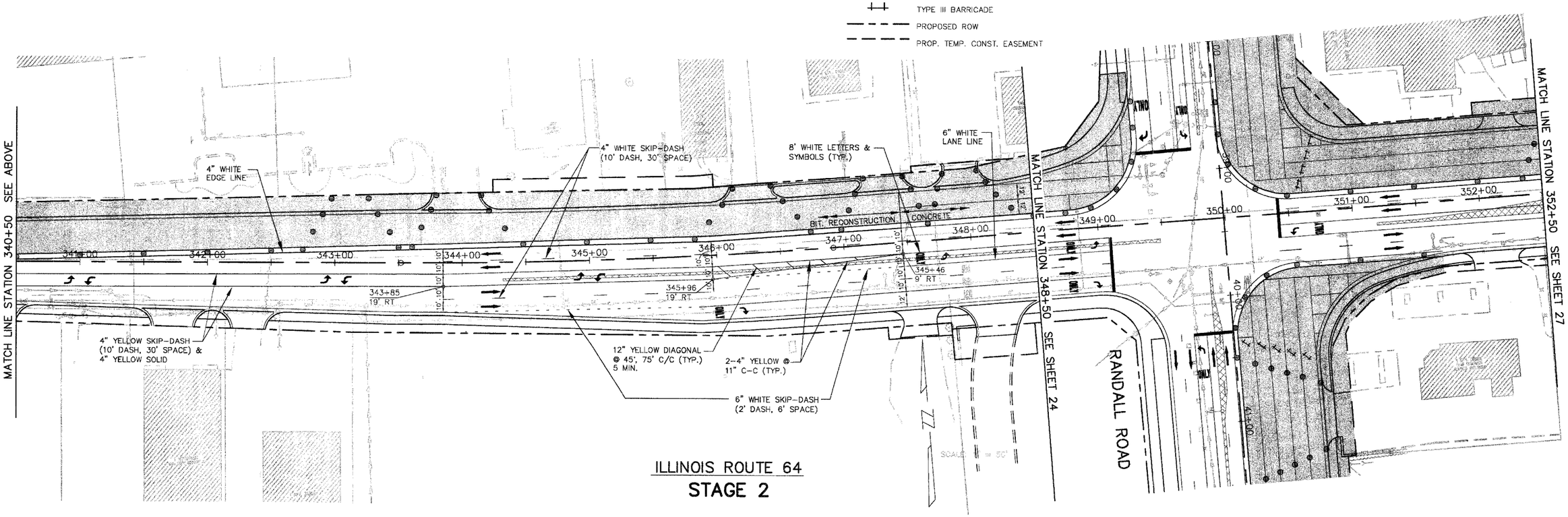
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



ILLINOIS ROUTE 64
STAGE 2



ILLINOIS ROUTE 64
STAGE 2

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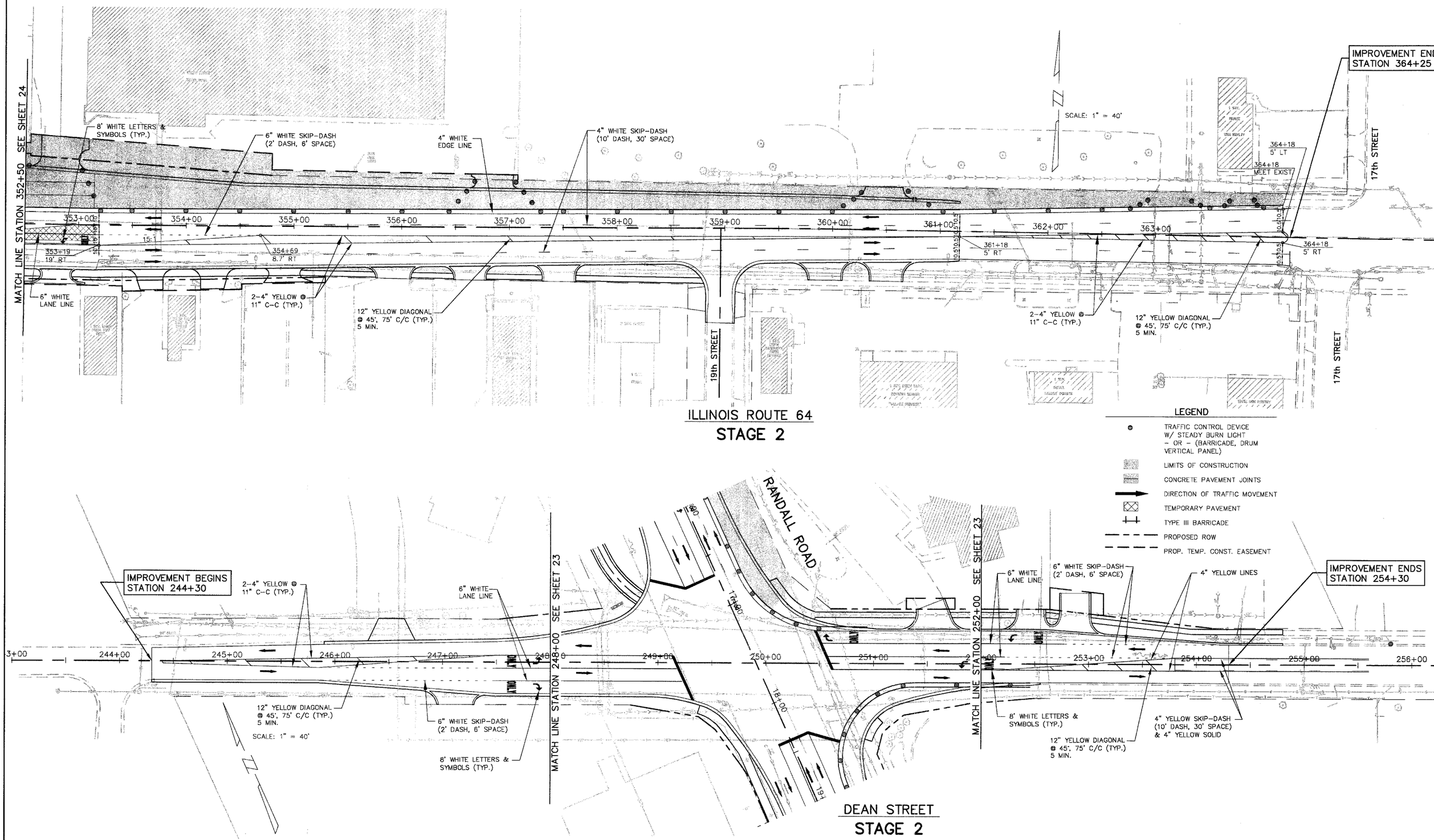
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 2 ILLINOIS ROUTE 64 / DEAN STREE			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 3 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

TEMPORARY CONCRETE BARRIER

LOCATION	QUANTITY STAGE 3
STA. 8+60 RT TO 13+50 RT	490' L.F.

IMPROVEMENT ENDS STATION 1+00

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

1+57 MATCH EXISTING PAVEMENT MARKINGS

SCALE: 1" = 40'

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

12" WHITE DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

2-4" YELLOW @ 11" C-C (TYP.)

TEMP. IMPACT ATTENUATOR

4" WHITE EDGE LINE

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

TEMPORARY CONCRETE BARRIER 8+60, 20' RT.

MATCH LINE STATION 12+00 SEE BELOW

RANDALL ROAD
STAGE 3

MATCH LINE STATION 252+00 SEE SHEET 32

DEAN ST.

4" WHITE EDGE LINE

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

12" YELLOW DIAGONAL @ 45', 75' C/C (TYP.) 5 MIN.

8' WHITE LETTERS & SYMBOLS (TYP.)

24" WHITE STOP BAR (TYP.)

8" WHITE

12" WHITE DIAGONAL @ 45', 20' C/C (TYP.) 5 MIN.

6" WHITE LINE

4" YELLOW LINE

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

24" WHITE STOP BAR (TYP.)

TEMPORARY CONCRETE BARRIER 13+50, 27' RT.

6" WHITE SKIP-DASH (2' DASH, 6' SPACE)

6" WHITE LANE LINE

2-4" YELLOW @ 11" C-C (TYP.)

8" WHITE

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

2-24" WHITE @ 50' C-C RAILROAD CROSSING SYMBOLS

MATCH LINE STATION 248+00 SEE SHEET 32

NOTE:
PROPOSED COMBINATION CONCRTE CURB & GUTTER FROM STA. 6+20 TO 14+00 RT. SHALL BE CONSTRUCTED IN STAGE 3.

SCALE: 1" = 40'

MATCH LINE STATION 12+00 SEE ABOVE

MATCH LINE STATION 24+00 SEE SHEET 29

RANDALL ROAD
STAGE 3

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February 04, 2005 11:20:11 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 3 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

MATCH LINE STATION 24+00 SEE SHEET 28

2-24" WHITE @ 50' C-C
RAILROAD CROSSING SYMBOLS

4" YELLOW LINE

24+45
12' RT

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

33+28
21' LT

33+28
20' RT

35+93
9' RT

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

MATCH LINE STATION 36+00 SEE BELOW

SCALE: 1" = 40'

RANDALL ROAD
STAGE 3

MATCH LINE STATION 352+50 SEE SHEET 32

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

6" WHITE
LANE LINE

ILL. RTE. 64

4" WHITE LINE

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

350+95
3' LT

350+85
3' LT

350+85
19' RT

24" WHITE
STOP BAR
(TYP.)

6" WHITE
LANE LINE

8' WHITE LETTERS &
SYMBOLS (TYP.)

4" YELLOW
LINE

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

42+64
51' LT

43+29
21' LT

38+48
21' LT

40+34
9' RT

38+48
9' RT

36+58
51' RT

38+38
9' RT

40+24
21' RT

45+94
19' LT

45+94
21' RT

349+16
19' LT

349+16
3' RT

349+06
3' RT

6" WHITE SKIP-DASH
(2' DASH, 6' SPACE)

4" YELLOW LINE

6" WHITE
LANE LINE

4" WHITE SKIP-DASH
(10' DASH, 30' SPACE)

MATCH LINE STATION 36+00 SEE ABOVE

MATCH LINE STATION 48+00 SEE SHEET 29

MATCH LINE STATION 348+50 SEE SHEET 31

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

RANDALL ROAD
STAGE 3

SCALE: 1" = 40'

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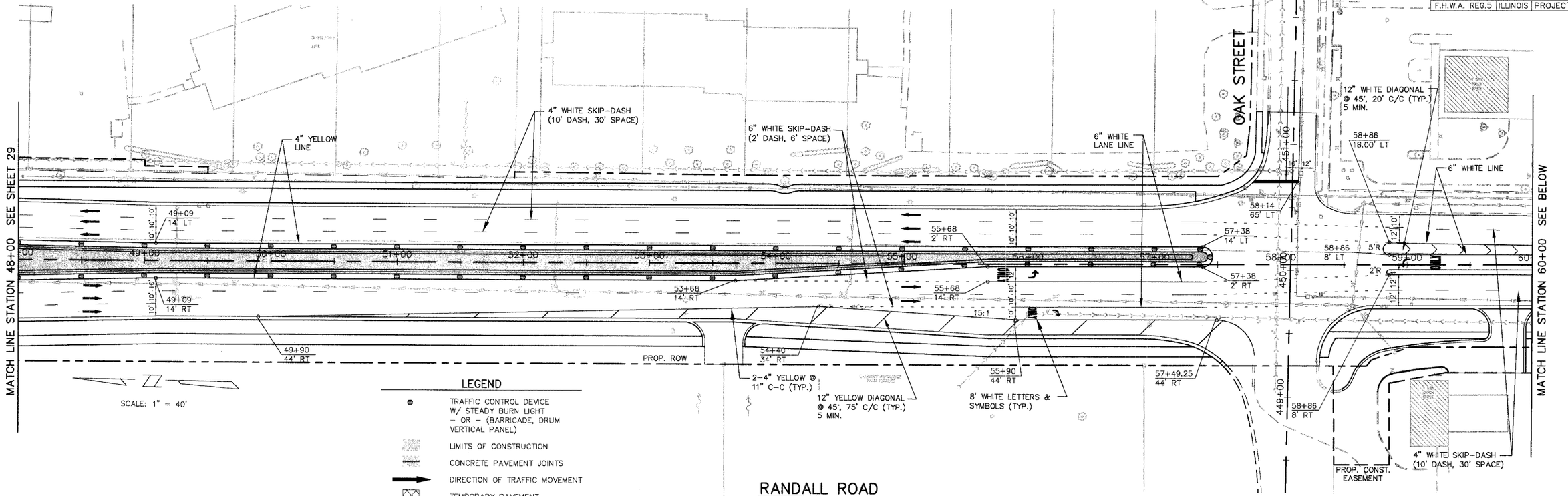
February 04, 2005 11:20:11 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
STAGE 3 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



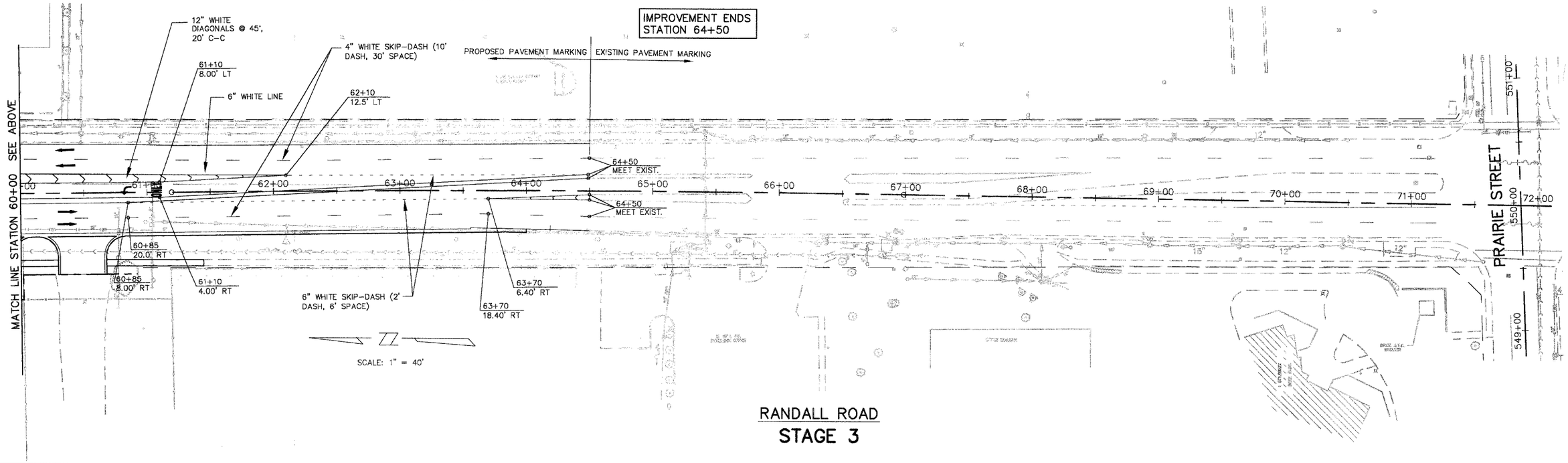
LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

RANDALL ROAD
STAGE 3

IMPROVEMENT ENDS STATION 64+50

PROPOSED PAVEMENT MARKING | EXISTING PAVEMENT MARKING



RANDALL ROAD
STAGE 3

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February 04, 2005 11:20:11 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 3 ILLINOIS ROUTE 64			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT

IMPROVEMENT BEGINS STATION 331+60

329+00 330+00 331+00 332+00 333+00 334+00 335+00 336+00 337+00 338+00 339+00

334+90 6' LT

4" YELLOW SKIP-DASH (10' DASH, 30' SPACE) & 4" YELLOW SOLID

8' WHITE LETTERS & SYMBOLS (TYP.)

339+90 10' LT

339+80 10' LT

RECONSTRUCTION

339+80 10' RT

339+90 10' RT

333+00 6' RT

336+90 6' RT

EXISTING ROW

OAK STREET

ILLINOIS ROUTE 64
STAGE 3

SCALE: 1" = 50'

MATCH LINE STATION 48+00 SEE BELOW

MATCH LINE STATION 36+00 SEE ABOVE

4" YELLOW LINES

4" WHITE SKIP-DASH (10' DASH, 30' SPACE)

6" WHITE LANE LINE

341+00 342+00 343+00 344+00 345+00 346+00 347+00 348+00 349+00 350+00 351+00 352+00

333+51.85 19' LT

346+92 19' LT

BIT. RECONSTRUCTION CONCRETE

347+46 3' RT

344+46 19' RT

345+86 39' RT

333+51.85 19' RT

8' WHITE LETTERS & SYMBOLS (TYP.)

MATCH LINE STATION 348+50 SEE SHEET 29

RANDALL ROAD

MATCH LINE STATION 352+00 SEE SHEET 32

ILLINOIS ROUTE 64
STAGE 3

SCALE: 1" = 50'

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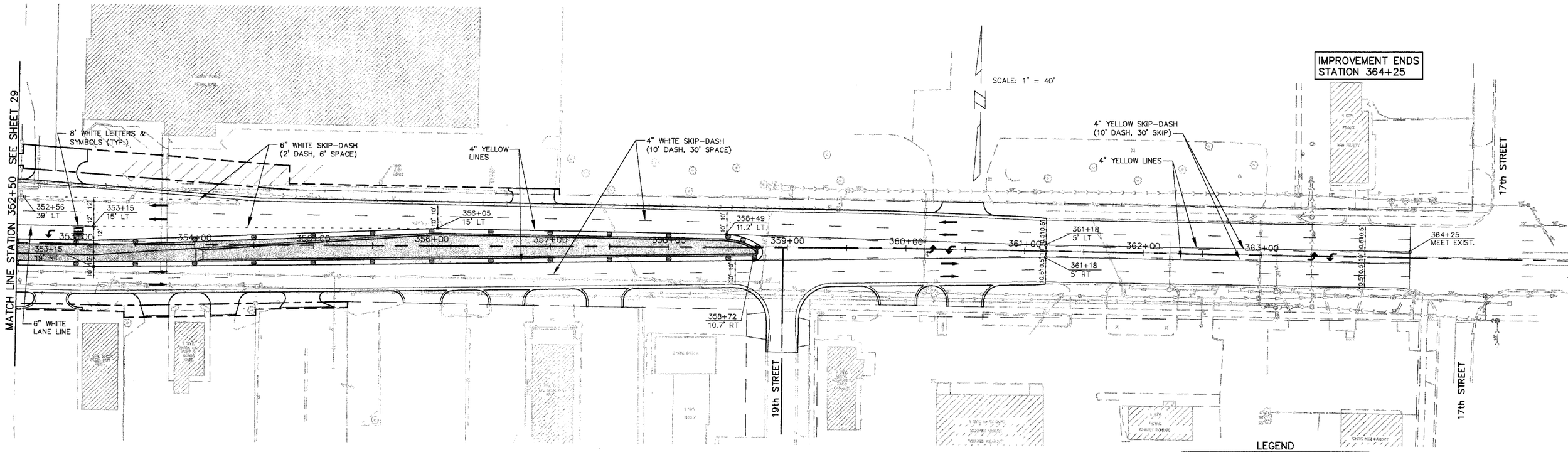
February 04, 2005 11:20:11 a.m.

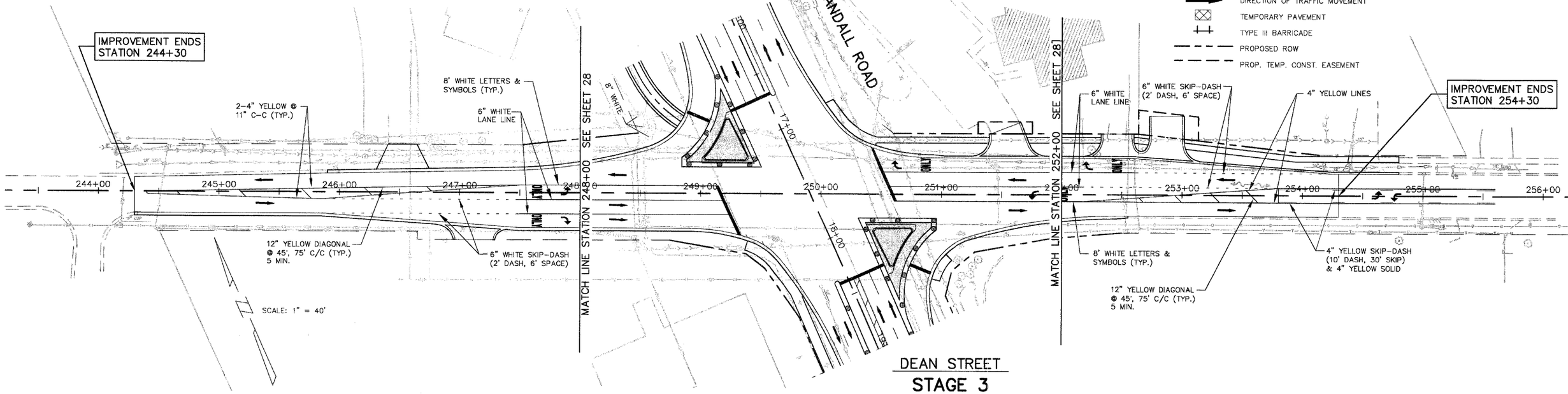
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
STAGE 3 ILLINOIS ROUTE 64 & DEAN STREE			
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0			



ILLINOIS ROUTE 64
STAGE 3

LEGEND

- TRAFFIC CONTROL DEVICE W/ STEADY BURN LIGHT – OR – (BARRICADE, DRUM VERTICAL PANEL)
- LIMITS OF CONSTRUCTION
- CONCRETE PAVEMENT JOINTS
- DIRECTION OF TRAFFIC MOVEMENT
- TEMPORARY PAVEMENT
- TYPE III BARRICADE
- PROPOSED ROW
- PROP. TEMP. CONST. EASEMENT



DEAN STREET
STAGE 3

November 17, 2004 10:38:19 a.m.
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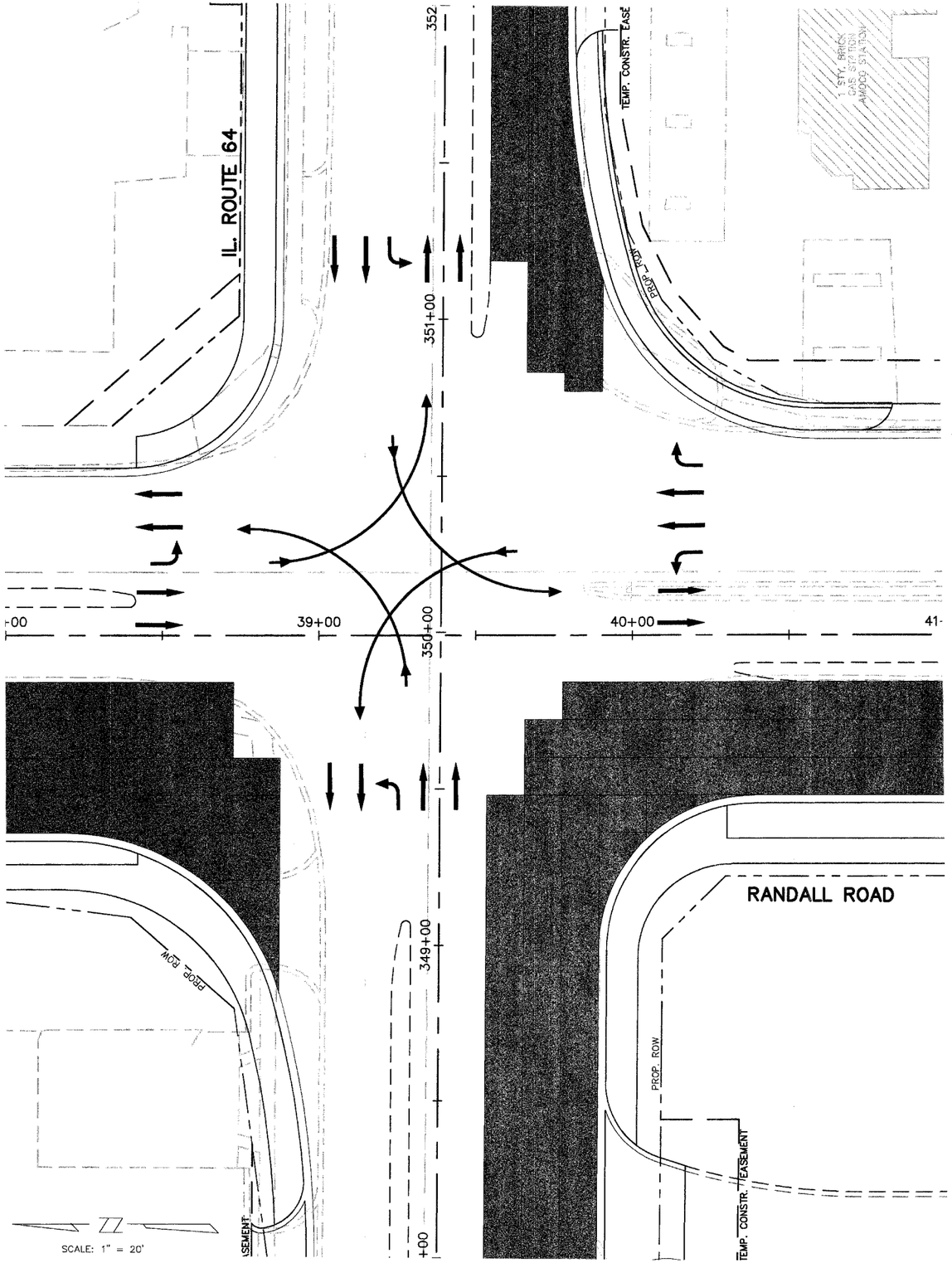
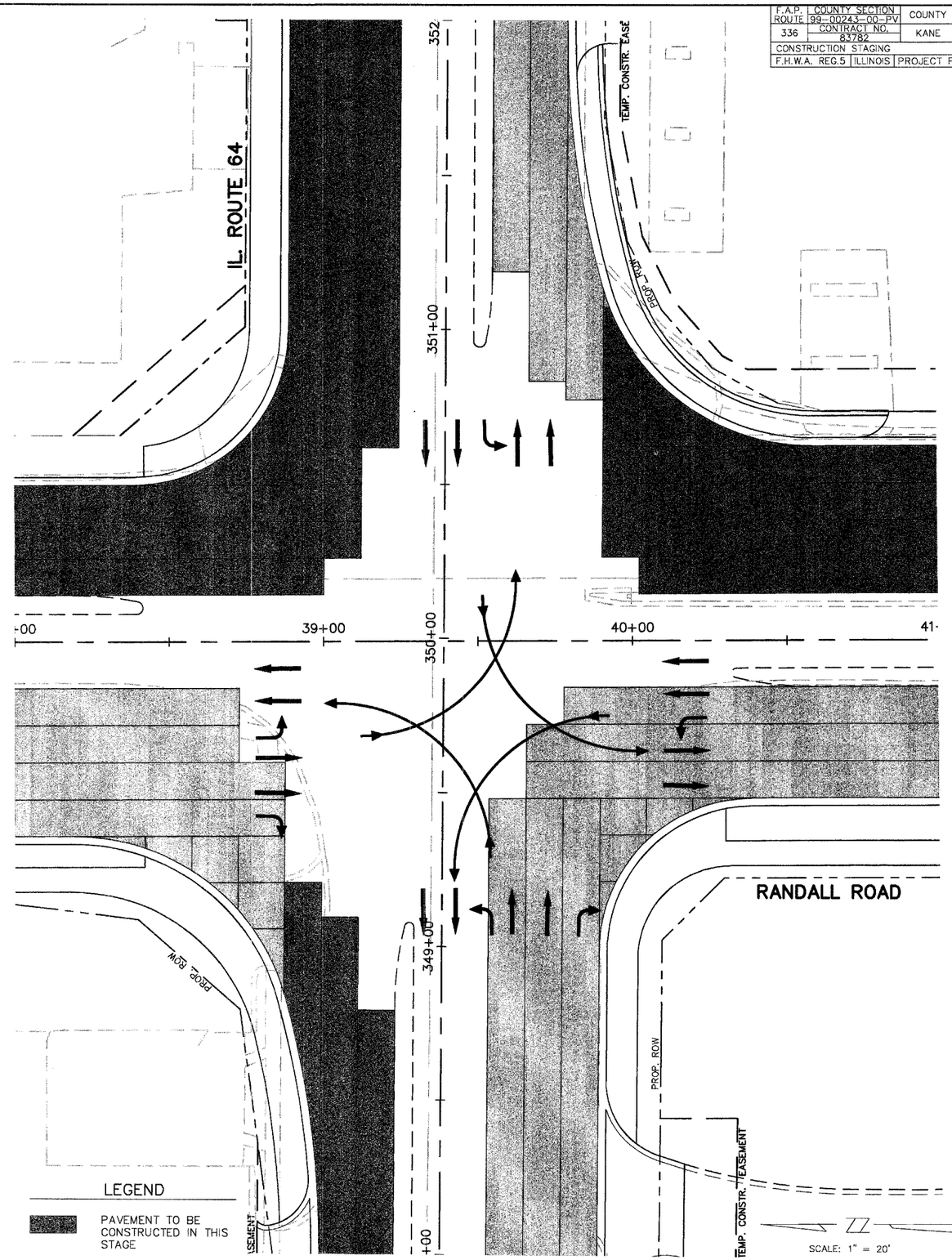
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 1



STAGE 2

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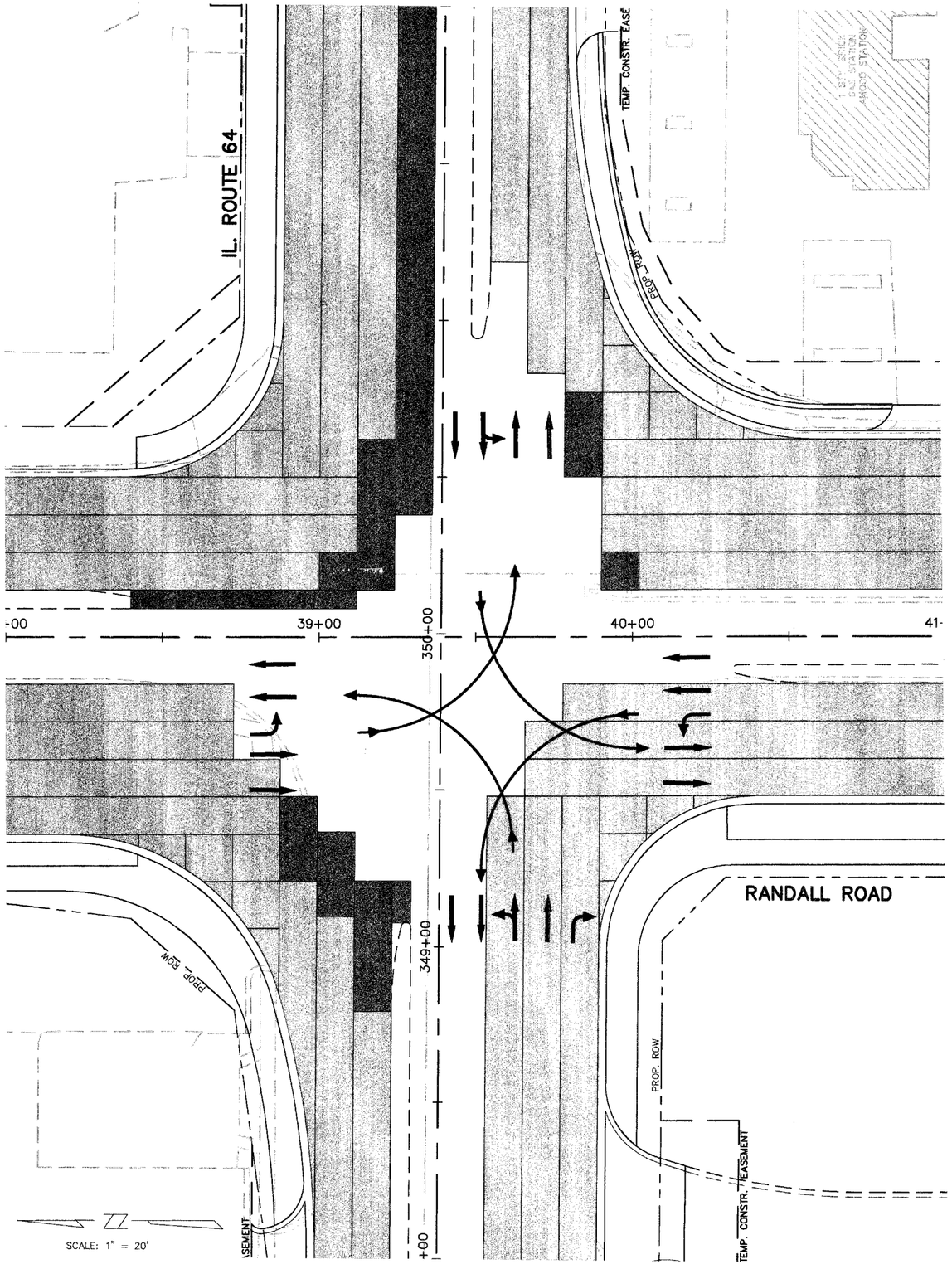
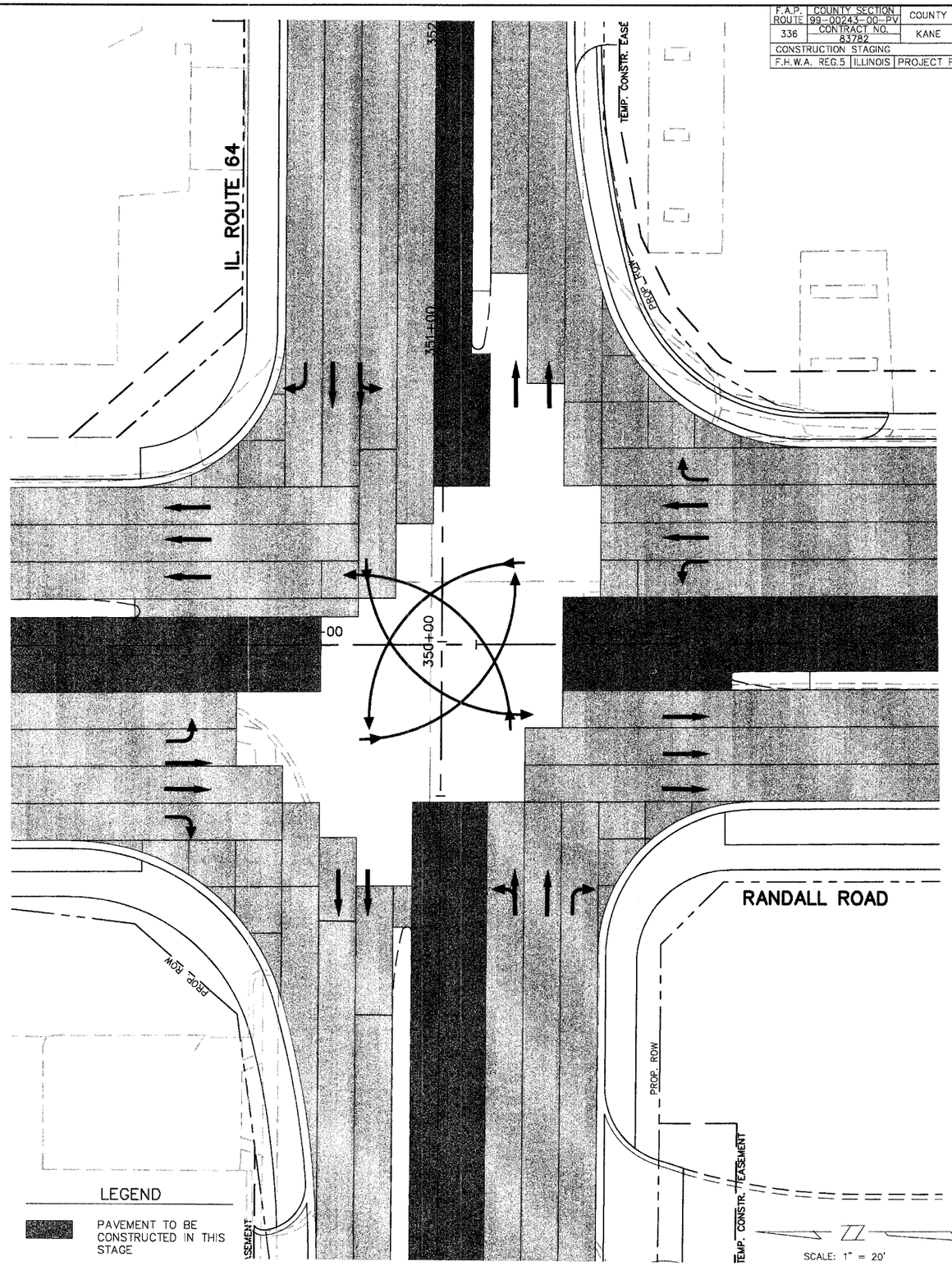
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 2A



STAGE 2B

SPLIT PHASE

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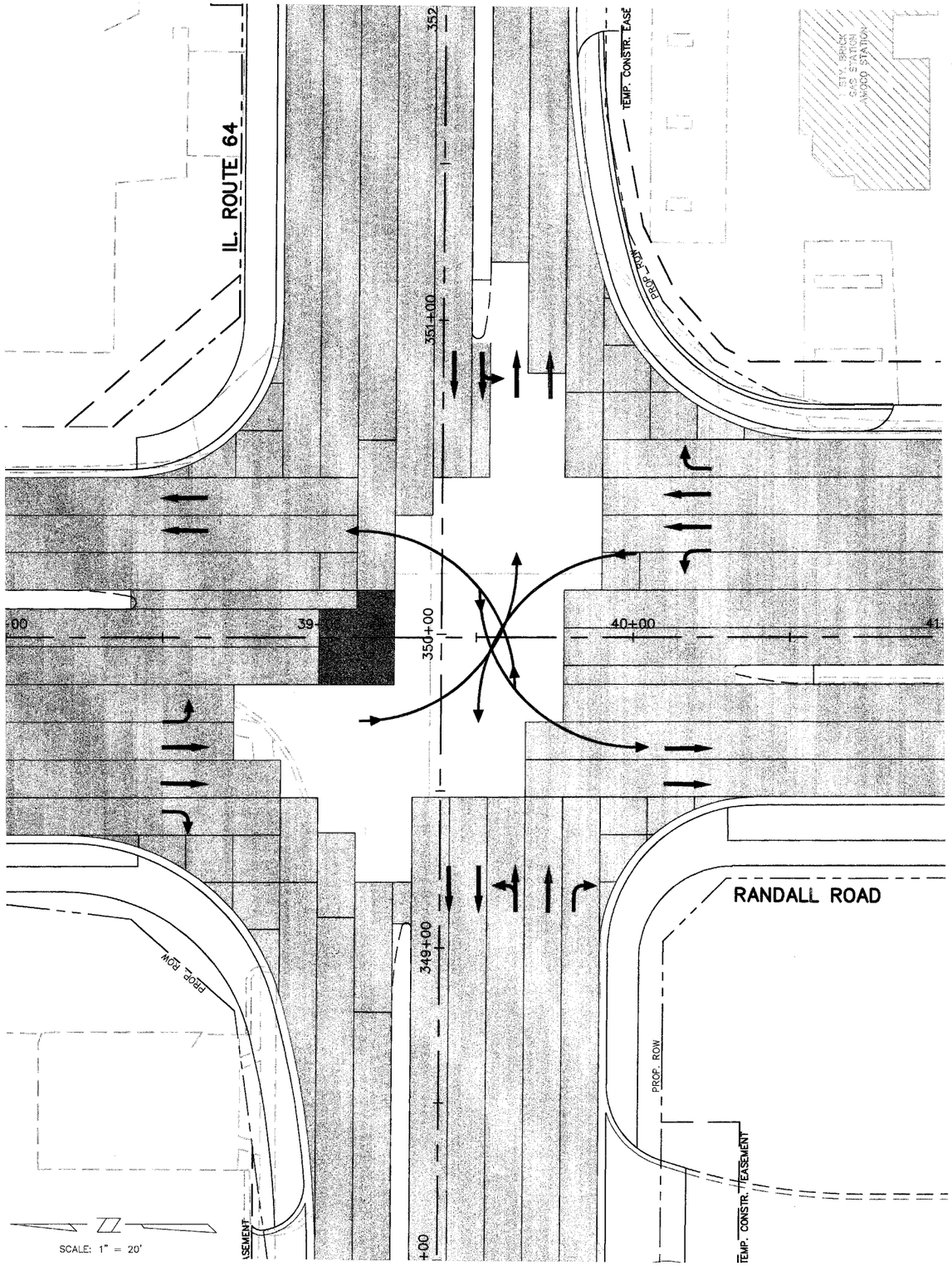
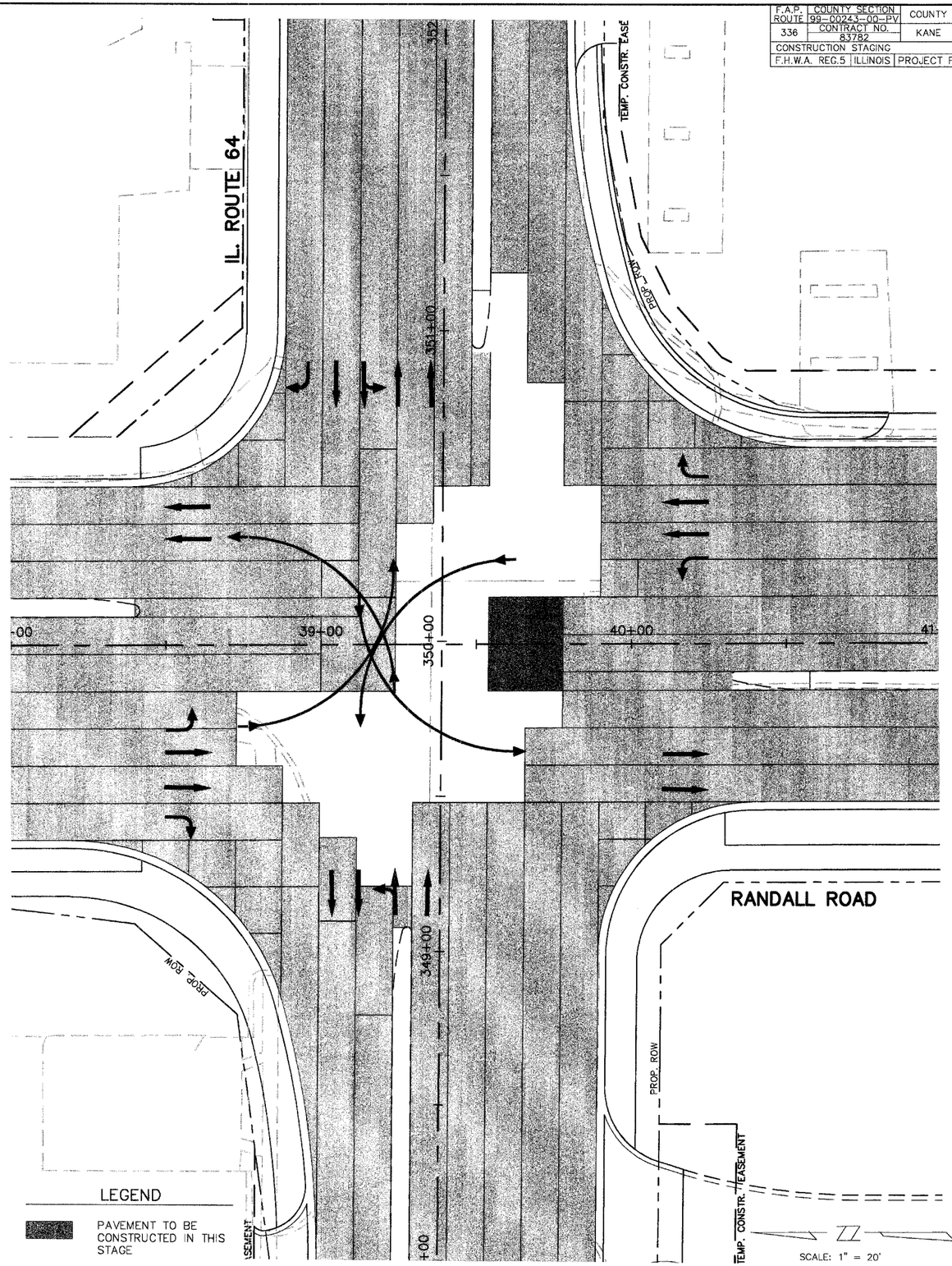
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 2B-1

SPLIT PHASE



STAGE 2B-2

SPLIT PHASE

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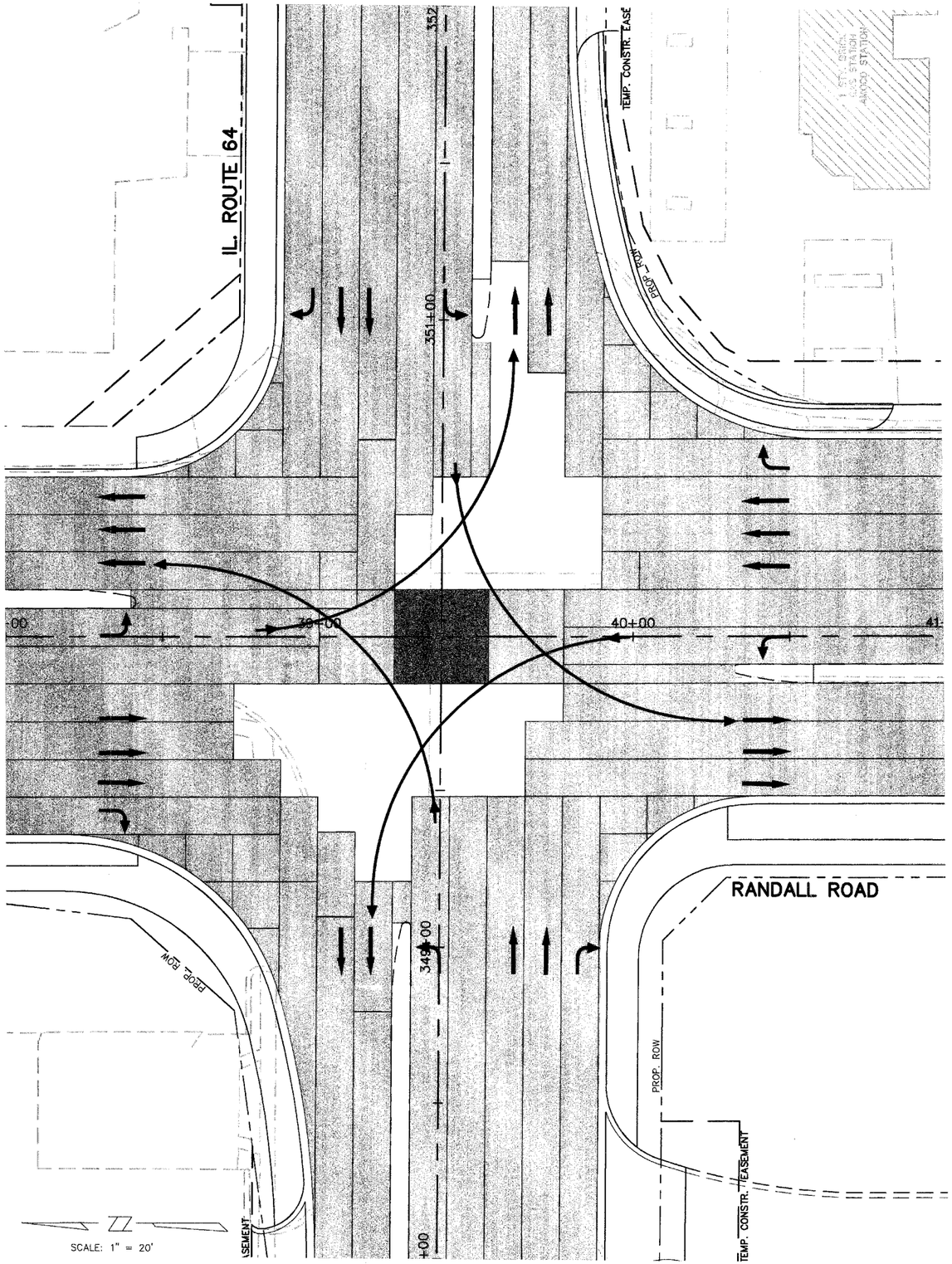
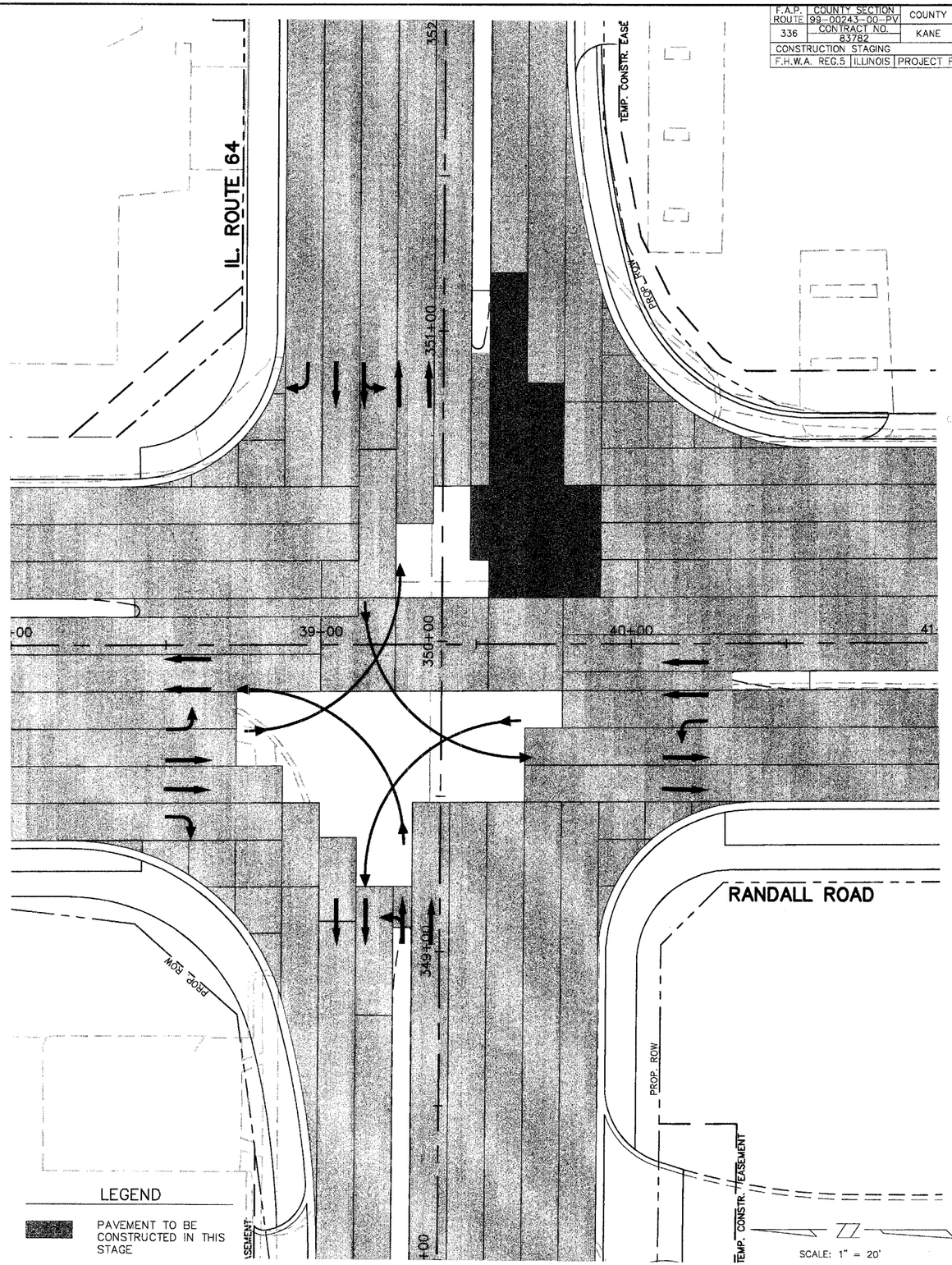
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 2B-3

SPLIT PHASE



STAGE 2C

November 17, 2004 10:38:19 a.m.
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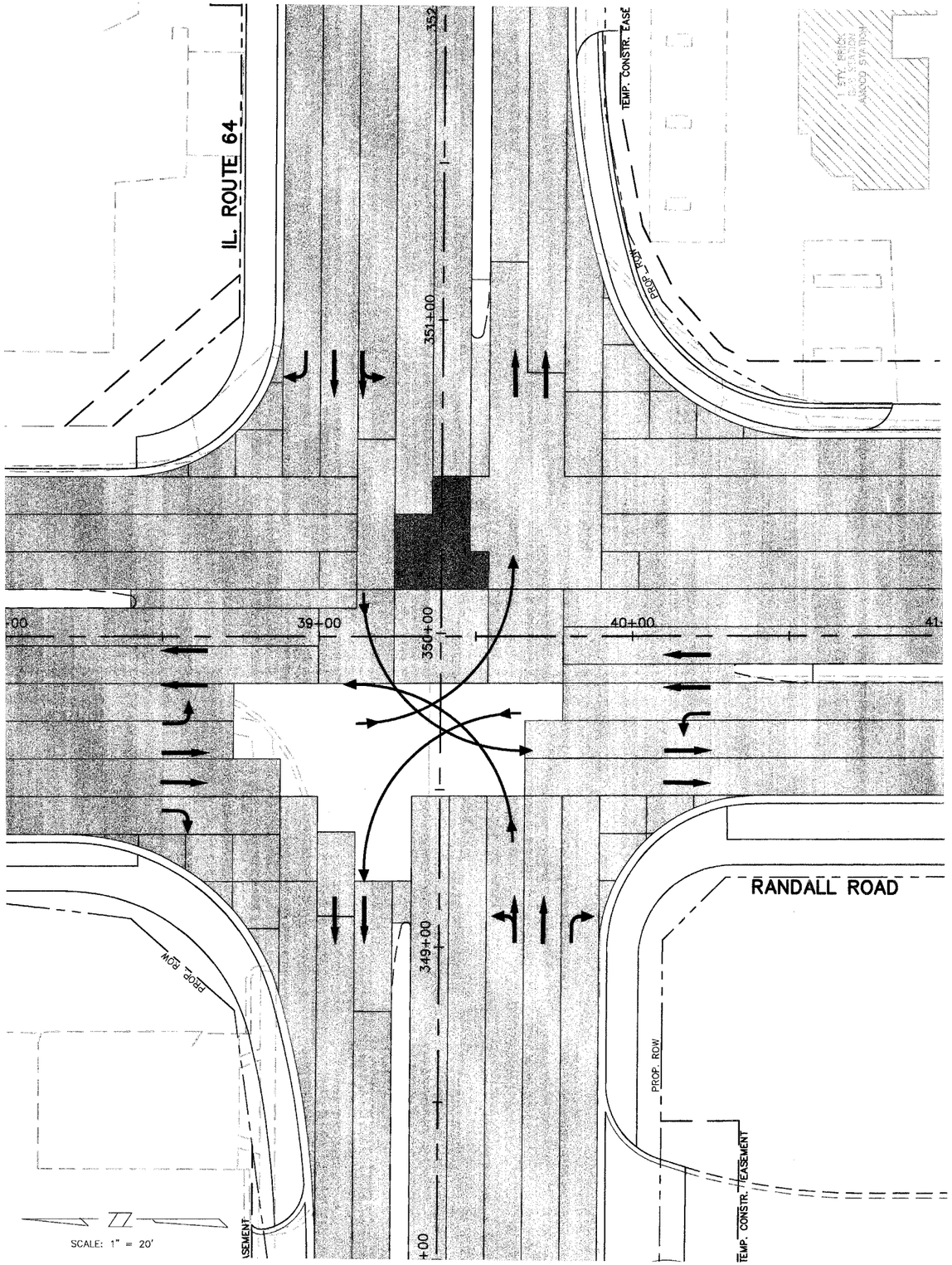
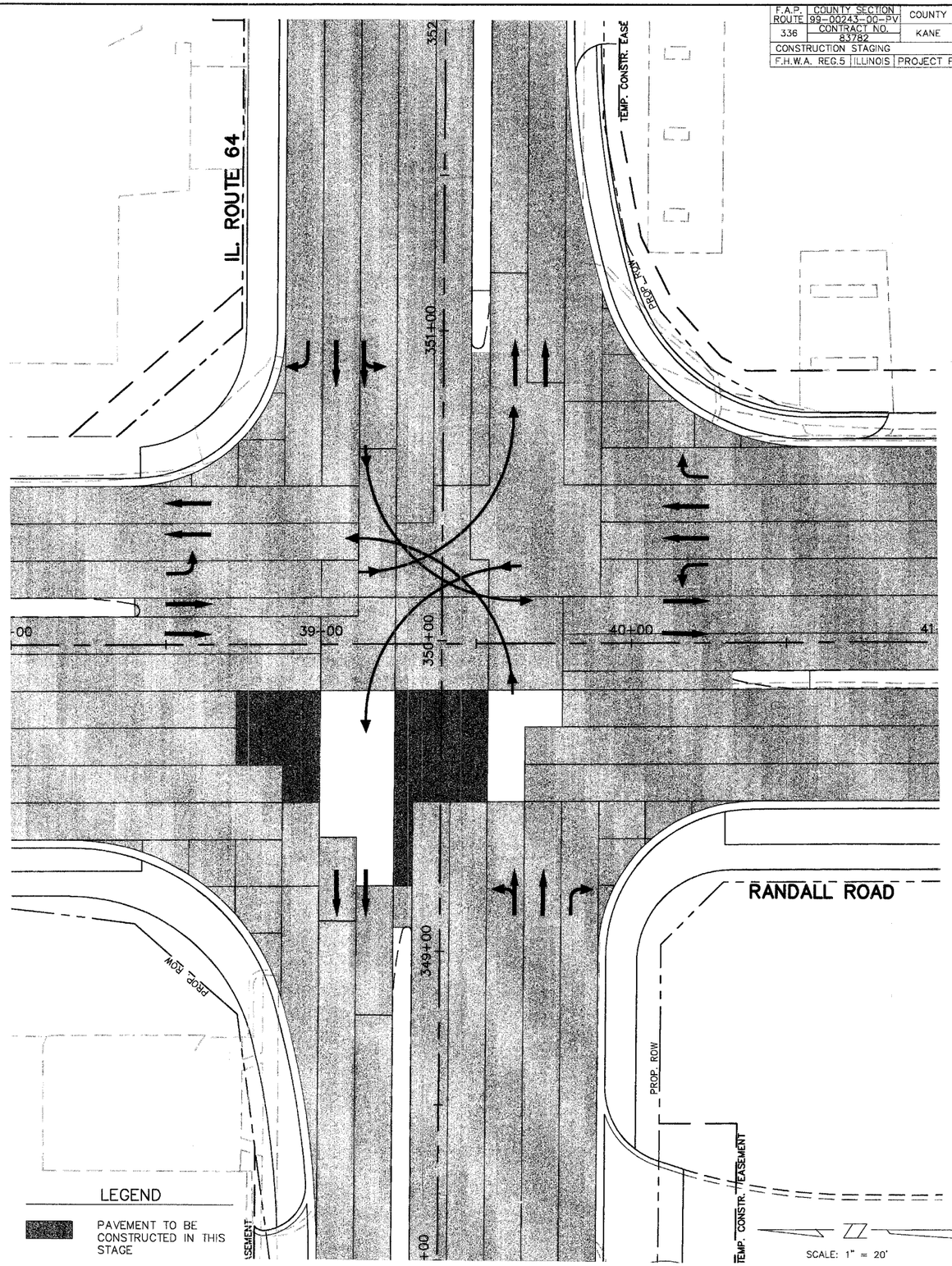
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 2C-1 SPLIT PHASE



STAGE 2C-2 SPLIT PHASE

November 17, 2004 10:38:19 a.m.
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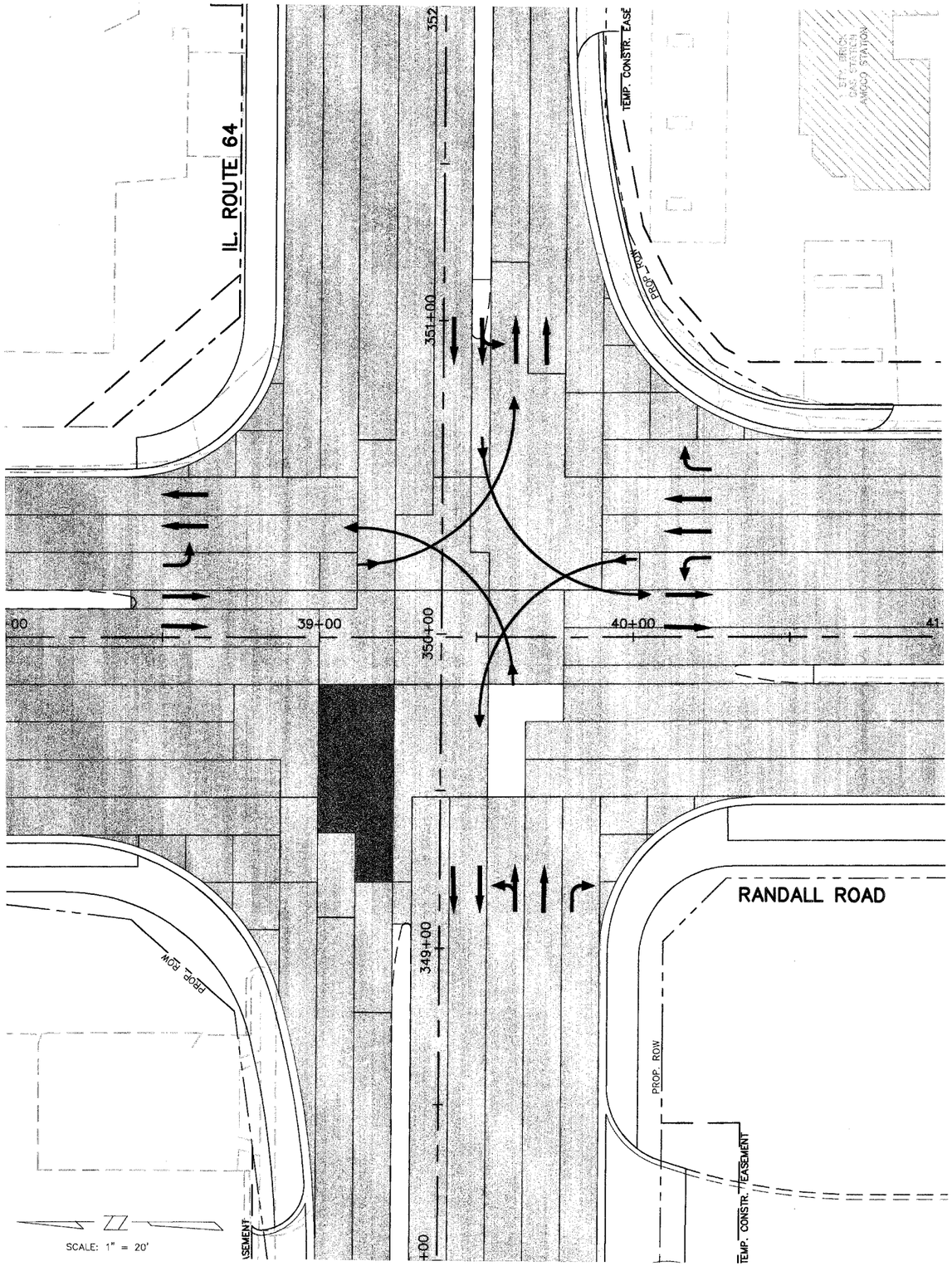
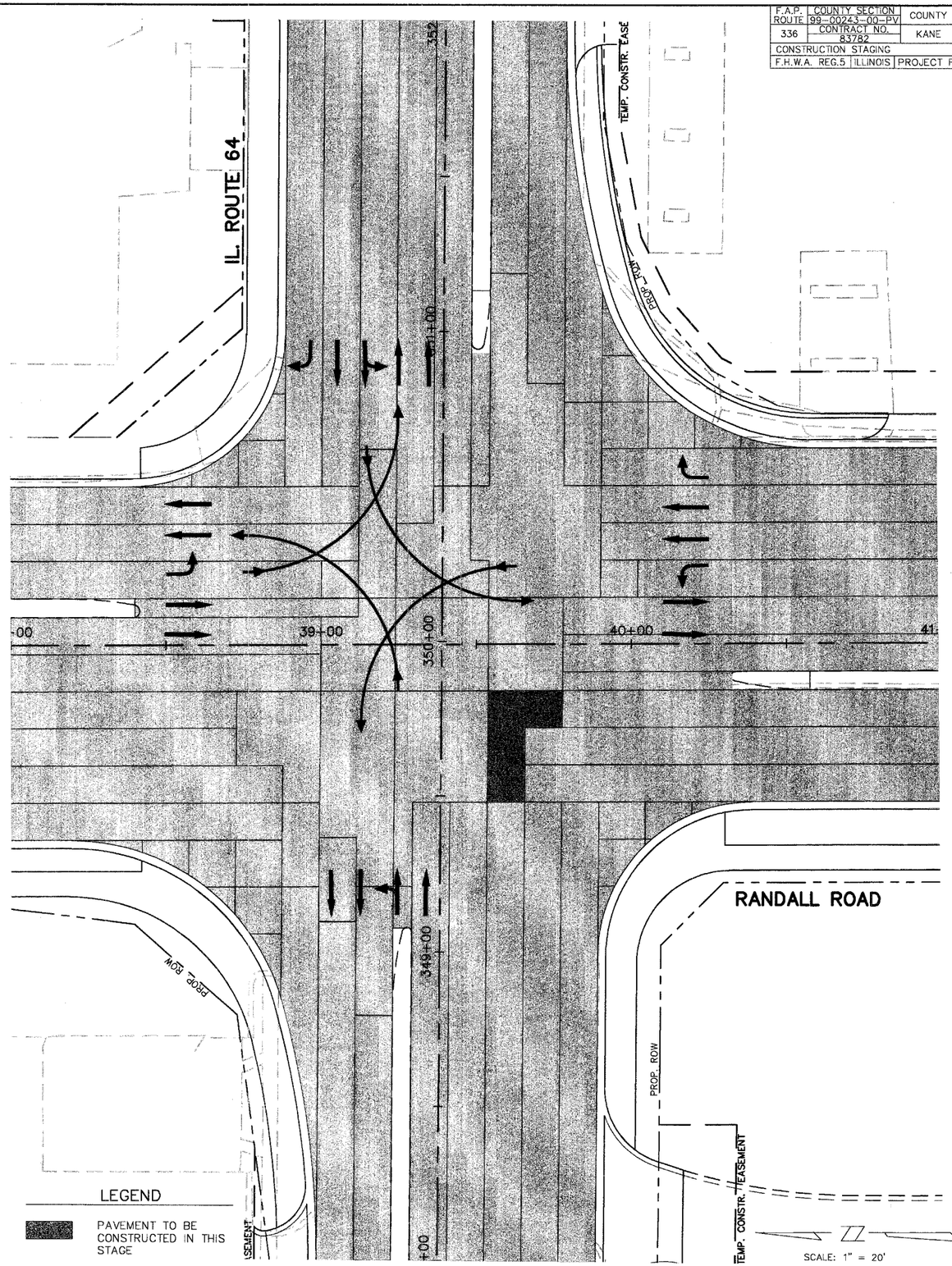
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
CONSTRUCTION STAGING			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STAGE 2C-3



STAGE 2C-4

D:\LD2\03050181_PHASEII\DWG\EROSION CONTROL NOTES AND DETAILS.DWG
January 17, 2005 8:26:29 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL NOTES AND DETAILS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

EROSION CONTROL NOTES:

1. THE CONSTRUCTION LIMITS WILL BE IDENTIFIED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

2. PERIMETER EROSION BARRIER SHALL BE ERECTED AT LOCATIONS SHOWN ON EROSION CONTROL PLAN. ANY RELOCATION OF THE PERIMETER EROSION BARRIER MUST BE APPROVED BY THE ENGINEER.

3. SEE CROSS SECTIONS FOR GRADING INFORMATION.

4. SEE PROPOSED PLAN AND PROFILE FOR STORM SEWER INFORMATION.

5. EROSION CONTROL ITEMS MAY BE UTILIZED IN MULTIPLE STAGES. REMOVAL OF EROSION CONTROL ITEMS SHALL BE APPROVED BY THE ENGINEER.

6. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH "PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS" AND THE "ILLINOIS URBAN MANUAL".

7. THE CONTRACTOR SHALL KEEP ALL ADJACENT STREETS CLEAN AT ALL TIMES.

8. COORDINATE ALL EROSION CONTROL, SITE GRADING, AND SEEDING/SODDING MEASURES WITH THE LANDSCAPING AND PLANTING PLANS.

9. ALL STOCKPILES, WHICH WILL BE IN PLACE FOR TWO WEEKS OR LONGER, SHALL BE HYDROSEEDED WITHIN 14 DAYS OF FINAL STOCKPILING. TOPSOIL STOCKPILES SHALL BE CONSTRUCTED SO AS TO FREELY DRAIN AND SHALL NOT IMPEDE NATURAL DRAINAGE. ALL STOCKPILES SHALL HAVE PERIMETER EROSION BARRIER INSTALLED AROUND THE BASE.

10. THE CONTRACTOR SHALL PREVENT SILT FROM ENTERING OFFSITE DOWNSTREAM STORMWATER CONVEYANCE SYSTEM BY INSTALLING FABRIC DROPS IN ALL STRUCTURES WITH OPEN GRATES, WHICH COLLECT TRIBUTARY WATER FROM DISTURBED AREAS AND DO NOT OUTLET INTO PROJECT SEDIMENT BASINS OR SILT TRAPS.

11. SEEDING AND MULCHING SHALL BE INITIATED WITHIN 7 DAYS AFTER THE FINAL GRADES HAVE BEEN ATTAINED. ALL UNSTABILIZED AREAS NOT DISTURBED FOR 7 DAYS SHALL BE SEEDED TEMPORARILY. THE TEMPORARY SEED MIXTURE SHALL BE AS DIRECTED BY THE "ILLINOIS URBAN MANUAL". SEE SOIL PROTECTION CHART FOR SEEDING RATES.

12. IF BLOWING DUST IS A PROBLEM, AS DETERMINED BY THE ENGINEER, THEN THE CONTRACTOR SHALL EMPLOY A WATER TRUCK AS OFTEN AS NECESSARY TO KEEP THE SOIL IN A DAMPENED CONDITION TO MINIMIZE AIRBORNE PARTICULATES. INSTRUCTIONS IN THE ILLINOIS URBAN MANUAL STANDARD #825 SHALL BE FOLLOWED.

13. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ½" RAINFALL AND REPLACE, REPAIR OR CLEAN THEM WITHIN 24 HOURS.

14. ANY SOIL EROSION CONTROL MEASURES IN ADDITION TO THOSE OUTLINED IN THE PLANS, WHICH ARE DEEMED NECESSARY BY THE ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

15. PRIOR TO COMMENCING ANY SITE GRADING, SIGNOFFS MUST BE OBTAINED FROM THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM, NPDES), ILLINOIS DEPARTMENT OF NATURAL RESOURCES (ENDANGERED SPECIES) AND THE ILLINOIS HISTORICAL PRESERVATION.

16. EROSION CONTROL MEASURES NEAR THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE INSTALLED ACCORDING TO PLAN. VARIATIONS TO THE EROSION CONTROL PLANS MAY RESULT IN A PENALTY FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (ACOE) AND THE NEED TO ACQUIRE AN ACOE PERMIT. THE CONTRACTOR MAY PLACE SUPPLEMENTAL EROSION CONTROL MEASURES WITH THE CONCURRENCE OF THE ENGINEER.

17. WORK WITHIN THE DELINEATED JURISDICTIONAL WATER OF THE U.S. SHALL BE MINIMIZED. THIS WORK SHALL NOT BE CONSTRUCTED DURING PERIODS OF "HIGH WATER" OR EXPECTED RAINFALL EVENTS. ALL EFFORTS SHALL BE USED FOR WORK TO BE PERFORMED IN THE "DRY" (WITHOUT FLOWING WATER). TEMPORARY DAMMING AND BY-PASS PUMPING MAY BE REQUIRED TO MEET THIS OBJECTIVE. PLEASE CONTACT THE KANE-DUPAGE SWCD AT 630-584-7961 PRIOR TO WORKING IN THE 'JURISDICTIONAL WATERS OF THE U.S.' ONCE WORK IN THESE AREAS BEGINS PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THESE AREAS. THESE AREAS SHALL ALSO BE STABILIZED AND PROTECTED PRIOR TO ANY RAIN EVENT.

KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.

5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.

6. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES THAT DO NOT DRAIN INTO SEDIMENT BASINS OR SILT TRAPS IS PROHIBITED.

PROJECT SPECIFIC EROSION CONTROL NOTES:

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT THE PROPOSED STORMWATER DETENTION FACILITY AND BUILDING REMOVAL SITES PRIOR TO COMMENCING WORK. THESE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT OF WAY. THE ROADWAY IS TO BE CLEANED OF DEBRIS DAILY.

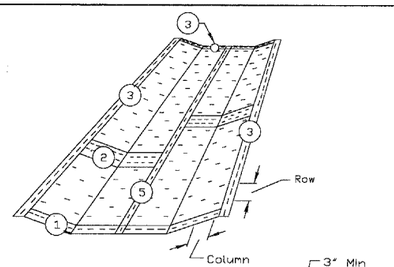
EROSION CONTROL ITEM	USE ILLINOIS URBAN MANUAL STANDARD	ILLINOIS URBAN MANUAL STANDARD DRAWING NUMBER	ILLINOIS URBAN MANUAL PRACTICE STANDARD NUMBER	USE IDOT STANDARDS	IDOT HIGHWAY STANDARD DETAIL	IDOT STANDARD SPECIFICATION SECTION	USE MISC. STANDARDS	MISCELLANEOUS STANDARDS OR COMMENTS	TEMPORARY EROSION CONTROL	PERMANENT EROSION CONTROL
TEMPORARY SEEDING	X	N/A	965		N/A	250, 251			X	–
PERMANENT SEEDING		N/A	880	X	N/A	250			–	X
SODDING		N/A	880, 925	X	N/A	252			–	X
NATIVE PLANTINGS		N/A	880	X	N/A	250, 254			–	X
TREE AND SHRUB PLANTING		685	985	X	N/A	253			–	X
TREE PROTECTION – FENCING	X	690	990		N/A	201			X	–
TREE PROTECTION – TRUNK		N/A	N/A		N/A	201	X	SEE SPECIAL DETAIL	X	–
PERIMETER EROSION BARRIER		620	920	X	280001-02	280			–	X
PERIMETER EROSION BARRIER WITH WIRE SUPPORT	X	620W	920		N/A	N/A			–	X
PERIMETER EROSION BARRIER (SPECIAL)		620	920	X	280001-02	280	X	SEE SPECIAL DETAIL	–	X
ROCK OUTLET PROTECTION	X	610, 611	910		N/A	281, 282			–	X
SEDIMENT TRAP		660	960	X	280001-02	280		15' x 25' (MIN.)	X	X
DUST CONTROL	X	N/A	825		N/A	N/A			X	–
EROSION BLANKET	X	530	830		N/A	251			–	X
INLET PROTECTION – SILT FILTER FENCE		N/A	N/A	X	280001-02	280			X	–
INLET PROTECTION – SILT FILTER		N/A	N/A	X	N/A	280 (08/03)	X	STATE SPECIFICATION, SECTION 280 (REVISED APRIL 18, 2003)	X	–
TEMPORARY DITCH CHECK		635	935	X	280001-02	280			X	–
STABILIZED CONSTRUCTION ENTRANCE	X	630	930		N/A	N/A			X	–

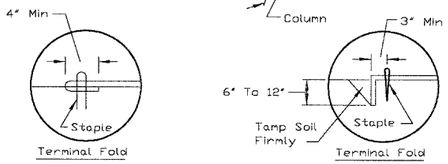
*NOTE:
ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS BY HAMPTON LENZINI AND RENWICK I

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

EROSION BLANKET PLAN





DETAIL 1

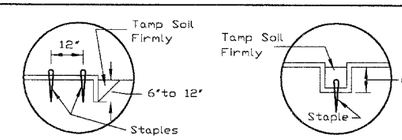
DETAIL 2

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

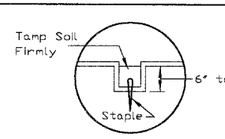
NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-530
SHEET 1 OF 2
DATE 5-24-94

EROSION BLANKET PLAN



DETAIL 3



DETAIL 4

DETAIL 5

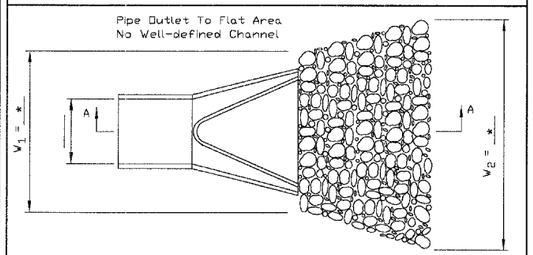
NOTES:
1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

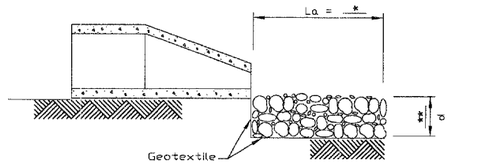
STANDARD DWG. NO. IL-530
SHEET 2 OF 2
DATE 3-1-95

PIPE OUTLET TO FLAT AREA*



PLAN

* SEE PLAN
** SEE SPECIFICATIONS



SECTION A-A

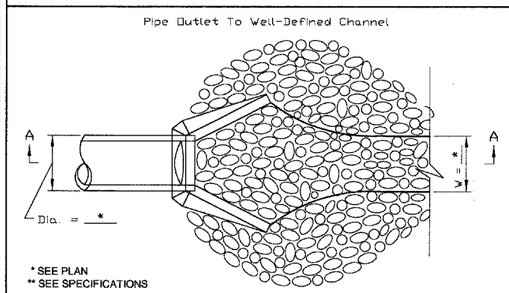
NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
2. ~~The rock riprap shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.~~
3. ~~The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.~~
4. Riprap shall be placed in accordance with the IDOT Standard Specification, Section 281 and the Special Provisions if applicable.
5. The type, size, location and dimensions of the Riprap are shown on the plan and profile sheets.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

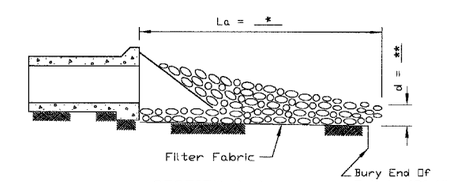
STANDARD DWG. NO. IL-610
SHEET 1 OF 1
DATE 9-15-93

PIPE OUTLET TO CHANNEL*



* SEE PLAN
** SEE SPECIFICATIONS

PLAN



SECTION A-A

NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
2. ~~The rock riprap shall meet the IDOT requirements for the following gradation _____.~~
3. ~~The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.~~
4. Riprap shall be placed in accordance with the IDOT Standard Specification, Section 281 and the Special Provisions if applicable.
5. The type, size, location and dimensions of the Riprap are shown on the plan and profile sheets.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

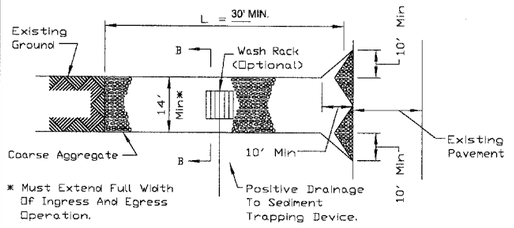
NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-611
SHEET 1 OF 1
DATE 8-18-94

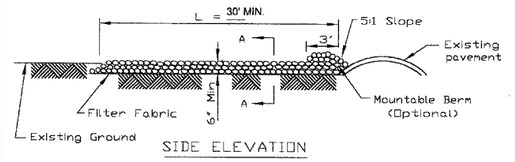
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL NOTES AND DETAILS			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

*NOTE: ITEMS UNDERLINED OR STRUCK OUT ARE MODIFICATIONS TO THE ILLINOIS URBAN MANUAL STANDARDS BY HAMPTON, LENZINI AND RENWICK

STABILIZED CONSTRUCTION ENTRANCE PLAN*



PLAN VIEW

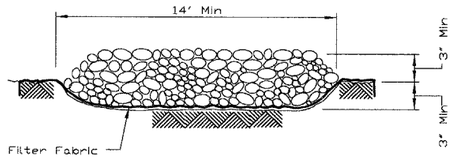


SIDE ELEVATION

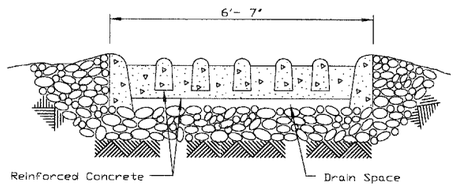
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclained concrete shall meet one of the following IDOT coarse aggregate gradation, ~~CA-1~~, CA-2, ~~CA-3~~ or ~~CA-4~~ and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction. (Material Dumped and Spread, Compaction by spreading operation)
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.

REFERENCE	NRCS	STANDARD DWG. NO.
Project Designed _____ Date Checked _____ Date Approved _____ Date	Natural Resources Conservation Service	IL-630 SHEET 1 OF 2 DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



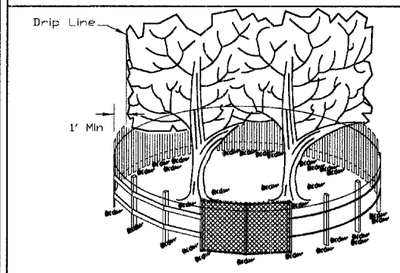
SECTION A-A



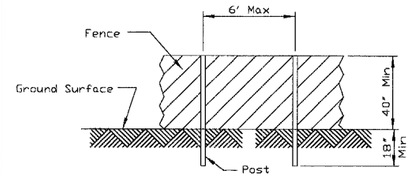
SECTION B-B

REFERENCE	NRCS	STANDARD DWG. NO.
Project Designed _____ Date Checked _____ Date Approved _____ Date	Natural Resources Conservation Service	IL-630 SHEET 2 OF 2 DATE 8-18-94

TREE PROTECTION - FENCING



SIDE VIEW

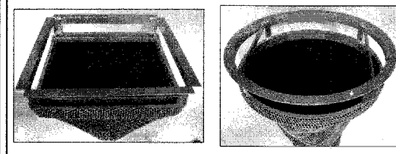


POST AND FENCE DETAIL

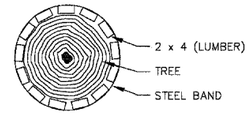
NOTES:
1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minumum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

REFERENCE	NRCS	STANDARD DWG. NO.
Project Designed _____ Date Checked _____ Date Approved _____ Date	Natural Resources Conservation Service	IL-690 SHEET 1 OF 1 DATE 4-7-94

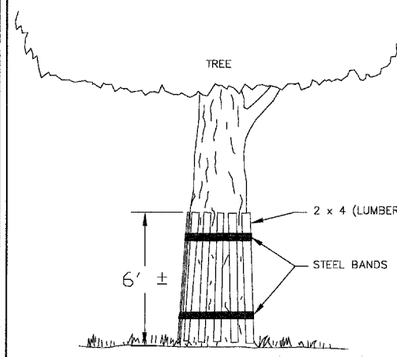
INLET PROTECTION - SILT FILTER



TREE PROTECTION - TRUNK

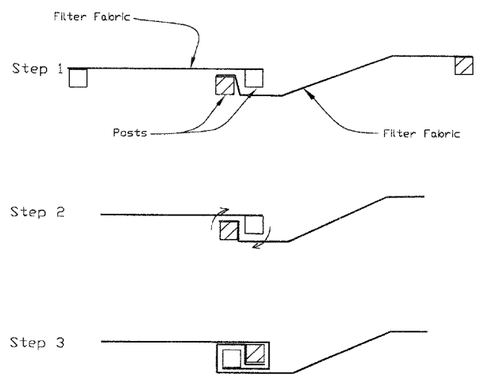


PLAN VIEW



ELEVATION

SILT FENCE
(PERIMETER EROSION BARRIER)

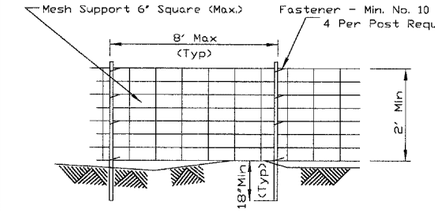


ATTACHING TWO SILT FENCES

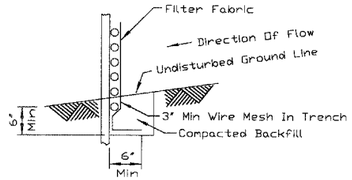
NOTES:
1. Place the end post of the second fence inside the end post of the
2. first fence.
   Rotate both posts at least 180 degrees in a clockwise direction to
3. create a tight seal with the fabric material.
   Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE	NRCS	STANDARD DWG. NO.
Project Designed _____ Date Checked _____ Date Approved _____ Date	Natural Resources Conservation Service	IL-620(W) SHEET 2 OF 2 DATE 1-29-99

SILT FENCE WITH WIRE SUPPORT PLAN
(PERIMETER EROSION BARRIER WITH WIRE SUPPORT)



ELEVATION

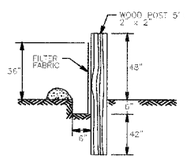


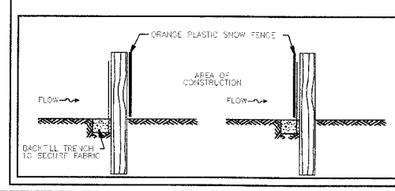
FABRIC ANCHOR DETAIL

NOTES:
1. Wires of mesh support shall be min. gage no. 12.
2. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
3. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
4. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE	NRCS	STANDARD DWG. NO.
Project Designed _____ Date Checked _____ Date Approved _____ Date	Natural Resources Conservation Service	IL-620W SHEET 1 OF 2 DATE 3-3-95

DETAIL
PERIMETER EROSION BARRIER (SPECIAL)





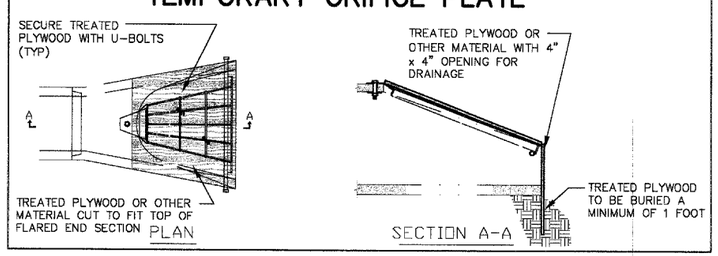
D:\LD2\03050181_PHASEI\DWG\EROSION_CONTROL_STAGE1.DWG
January 17, 2005 8:44:57 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS	PROJECT F-0336(0		

EROSION CONTROL LEGEND

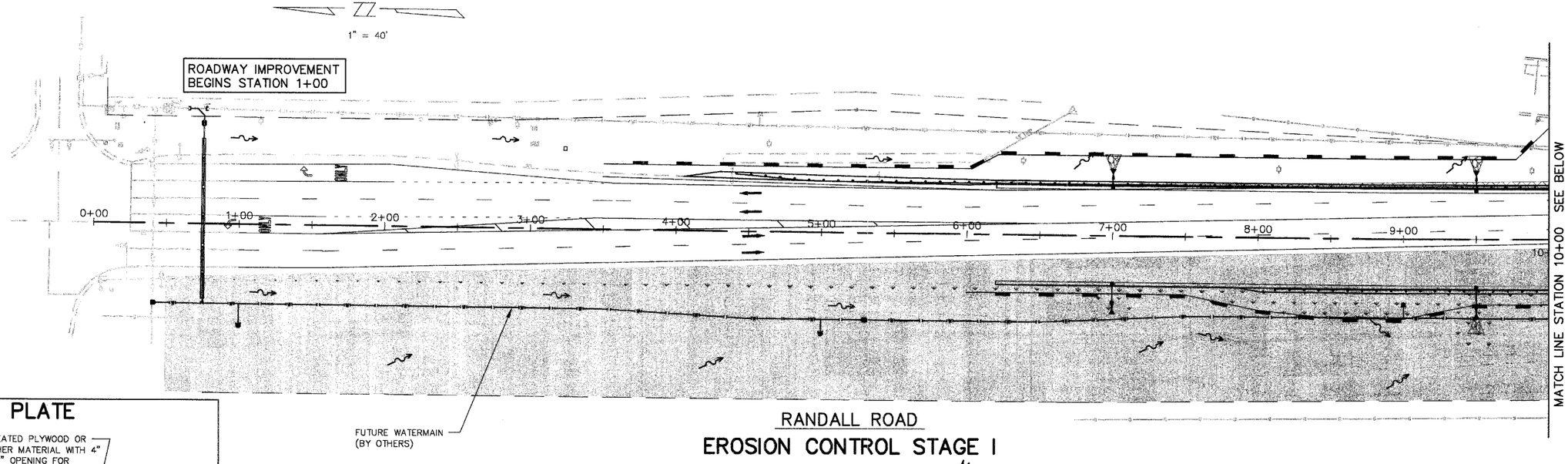
- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

TEMPORARY ORIFICE PLATE



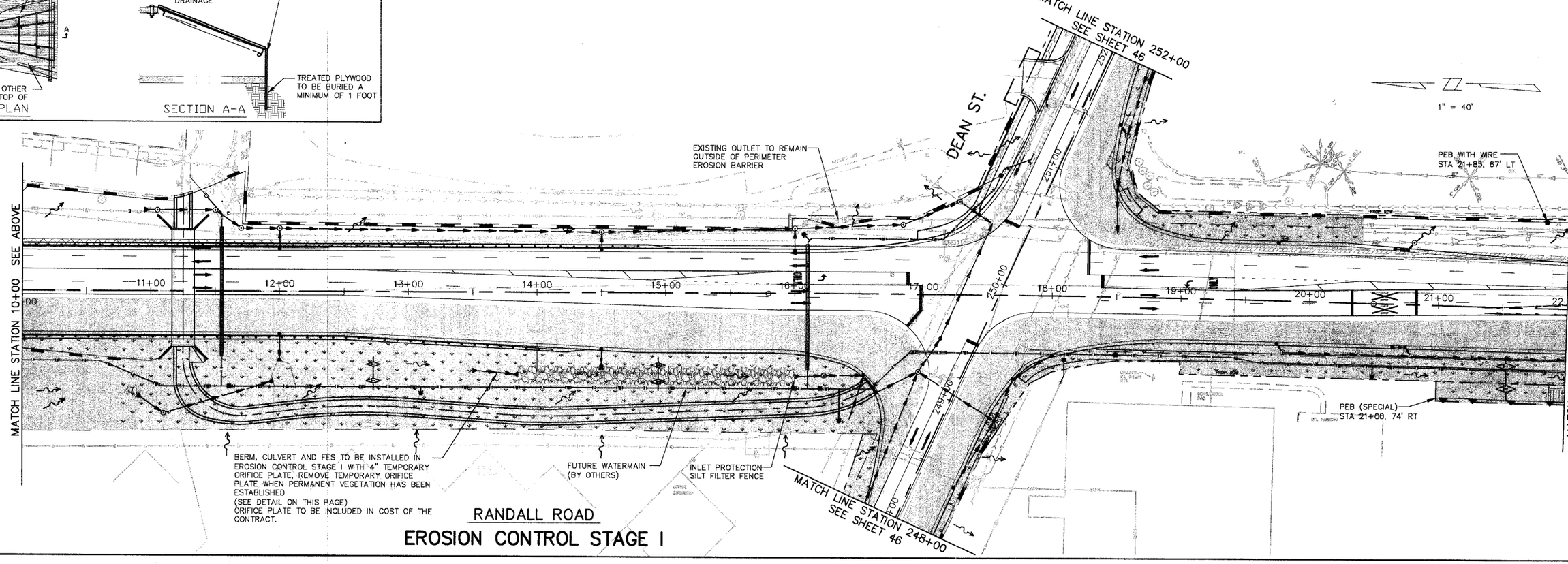
1" = 40'

ROADWAY IMPROVEMENT BEGINS STATION 1+00



FUTURE WATERMAIN (BY OTHERS)

RANDALL ROAD
EROSION CONTROL STAGE I



BERM, CULVERT AND FES TO BE INSTALLED IN EROSION CONTROL STAGE I WITH 4" TEMPORARY ORIFICE PLATE, REMOVE TEMPORARY ORIFICE PLATE WHEN PERMANENT VEGETATION HAS BEEN ESTABLISHED
(SEE DETAIL ON THIS PAGE)
ORIFICE PLATE TO BE INCLUDED IN COST OF THE CONTRACT.

FUTURE WATERMAIN (BY OTHERS)

INLET PROTECTION SILT FILTER FENCE

RANDALL ROAD
EROSION CONTROL STAGE I

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January 17, 2005 8:44:57 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

1" = 40'

DELINEATED JURISDICTIONAL WATERS OF THE U.S. (SEE NOTES B & C)

PEB WITH WIRE STA 22+32, 67' LT

PEB WITH WIRE STA 22+37, 50' LT

TEMPORARY SEDIMENT TRAP - DRAIN TO RAILROAD DITCH (SEE NOTE A)

MATCH LINE STATION 22+00 SEE SHEET 41

23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00

PT = 33+26.00

MATCH LINE STATION 35+00 SEE SHEET 43

PEB(SPECIAL) STA 22+36, 74' RT

PEB(SPECIAL) STA 22+36, 77' RT

PEB(SPECIAL) STA 23+45, 77' RT

PEB(SPECIAL) STA 26+78, 85' RT

INLET PROTECTION (TYP.)

SEDIMENT STILLING BASIN & SEDIMENT TRAP (TO BE CLEANED AT COMPLETION OF PROJECT)

PEB STA 31+86, 85' RT

DELINEATED JURISDICTIONAL WATERS OF THE U.S. (SEE NOTES B & C)

PERIMETER EROSION BARRIER & ORANGE CONSTRUCTION FENCE (TYP.)

PEB(SPECIAL) STA 23+49, 307' RT

PEB(SPECIAL) STA 26+80, 461' RT

PEB(SPCIAL) STA 25+11, 464' RT

WORK IN CORNER OF THE PARCEL SHALL BE AVOIDED. POSSIBLE JURISDICTIONAL WATERS OF THE U.S. (SEE NOTES B & C)

RANDALL ROAD
EROSION CONTROL STAGE I

NOTES:

A. TEMPORARY SEDIMENT TRAP TO REMAIN UNTIL DISTURBED TRIBUTARY AREA HAS ESTABLISHED TEMPORARY OR PERMANENT VEGETATION. SIDEWALK PROPOSED IN LOCATION OF TEMPORARY SEDIMENT TRAP MUST BE CONSTRUCTED AFTER VEGETATION HAS BEEN ESTABLISHED.

B. EROSION CONTROL MEASURES NEAR THE DELINEATED JURISDICTIONAL WATERS OF THE U.S. SHALL BE INSTALLED ACCORDING TO PLAN. VARIATIONS TO THE EROSION CONTROL PLANS MAY RESULT IN A PENALTY FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (ACOE) AND THE NEED TO ACQUIRE AN ACOE PERMIT. THE CONTRACTOR MAY PLACE SUPPLEMENTAL EROSION CONTROL MEASURES WITH THE CONCURRENCE OF THE ENGINEER.

C. WORK WITHIN THE DELINEATED JURISDICTIONAL WATER OF THE U.S. SHALL BE MINIMIZED. THIS WORK SHALL NOT BE CONSTRUCTED DURING PERIODS OF "HIGH WATER" OR EXPECTED RAINFALL EVENTS. ALL EFFORTS SHALL BE USED FOR WORK TO BE PERFORMED IN THE "DRY" (WITHOUT FLOWING WATER). TEMPORARY DAMMING AND BY-PASS PUMPING MAY BE REQUIRED TO MEET THIS OBJECTIVE. PLEASE CONTACT THE KANE-DUPAGE SWCD AT 630-584-7961 PRIOR TO WORKING IN THE 'JURISDICTIONAL WATERS OF THE U.S.' ONCE WORK IN THESE AREAS BEGINS PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THESE AREAS. THESE AREAS SHALL ALSO BE STABILIZED AND PROTECTED PRIOR TO ANY RAIN EVENT.

PEB TO PEB WITH WIRE STA 31+91, 440' RT

PERIMETER EROSION BARRIER WITH WIRE SUPPORT

PEB WITH WIRE STA 31+91, 470' RT

DELINEATED JURISDICTIONAL WATERS OF THE U.S. (SEE NOTES B & C)

PEB WITH WIRE STA 32+19, 470' RT

WEST OUTLET SEE DETAIL

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

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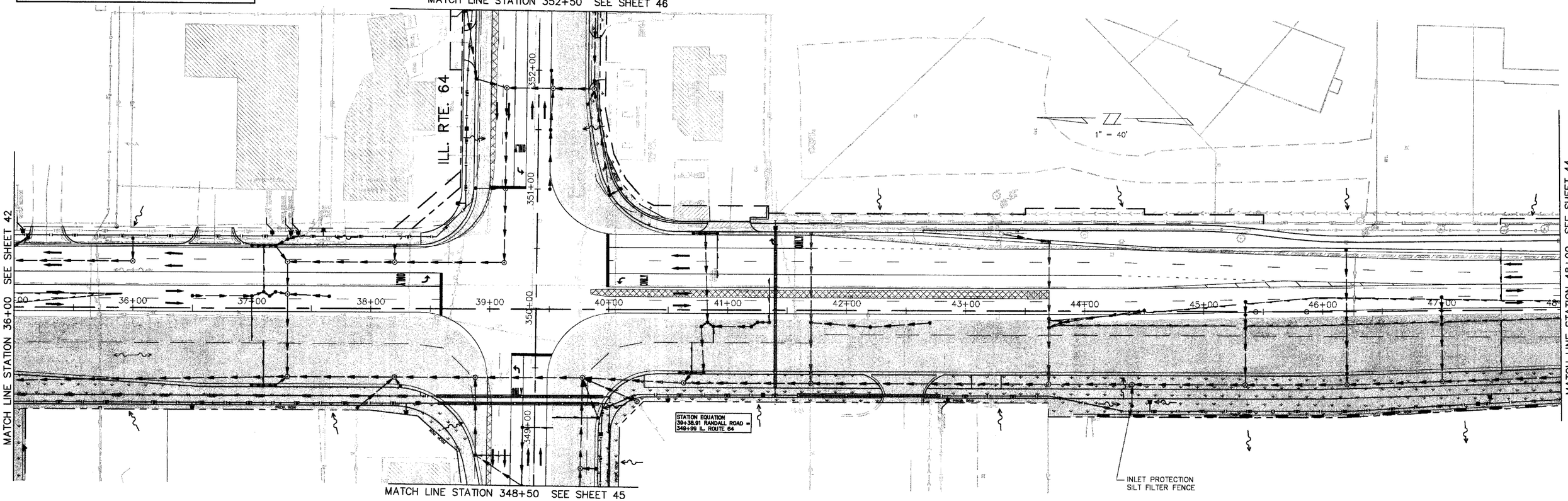
January 17, 2005 8:44:57 a.m.

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	266
EROSION CONTROL STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



RANDALL ROAD

EROSION CONTROL STAGE I

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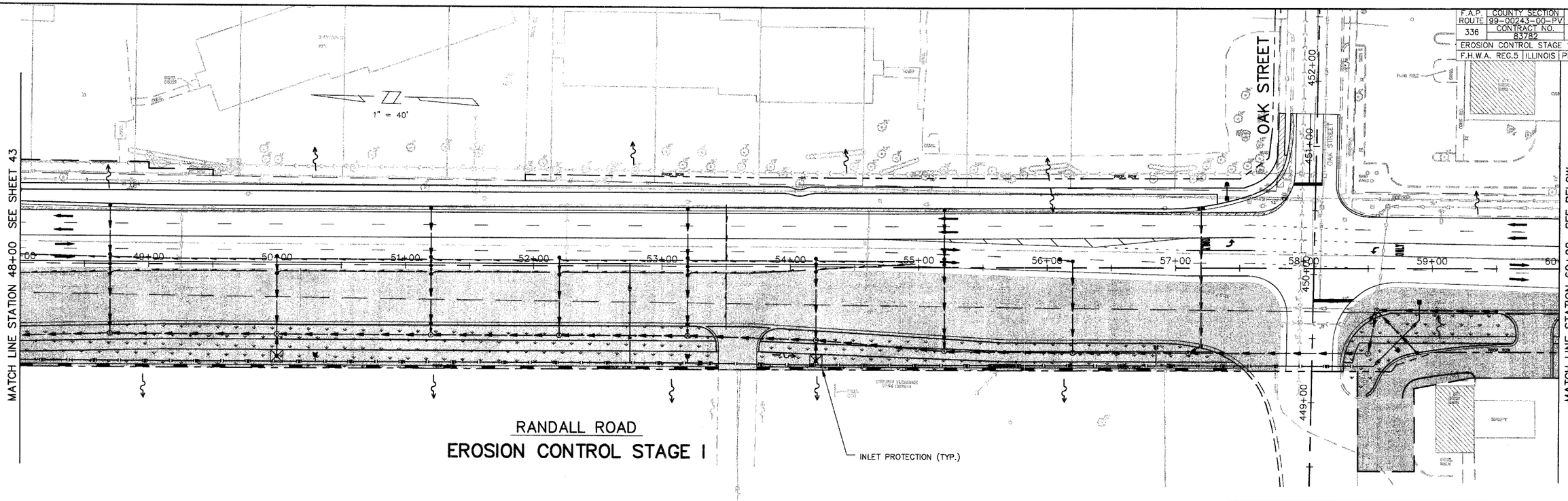
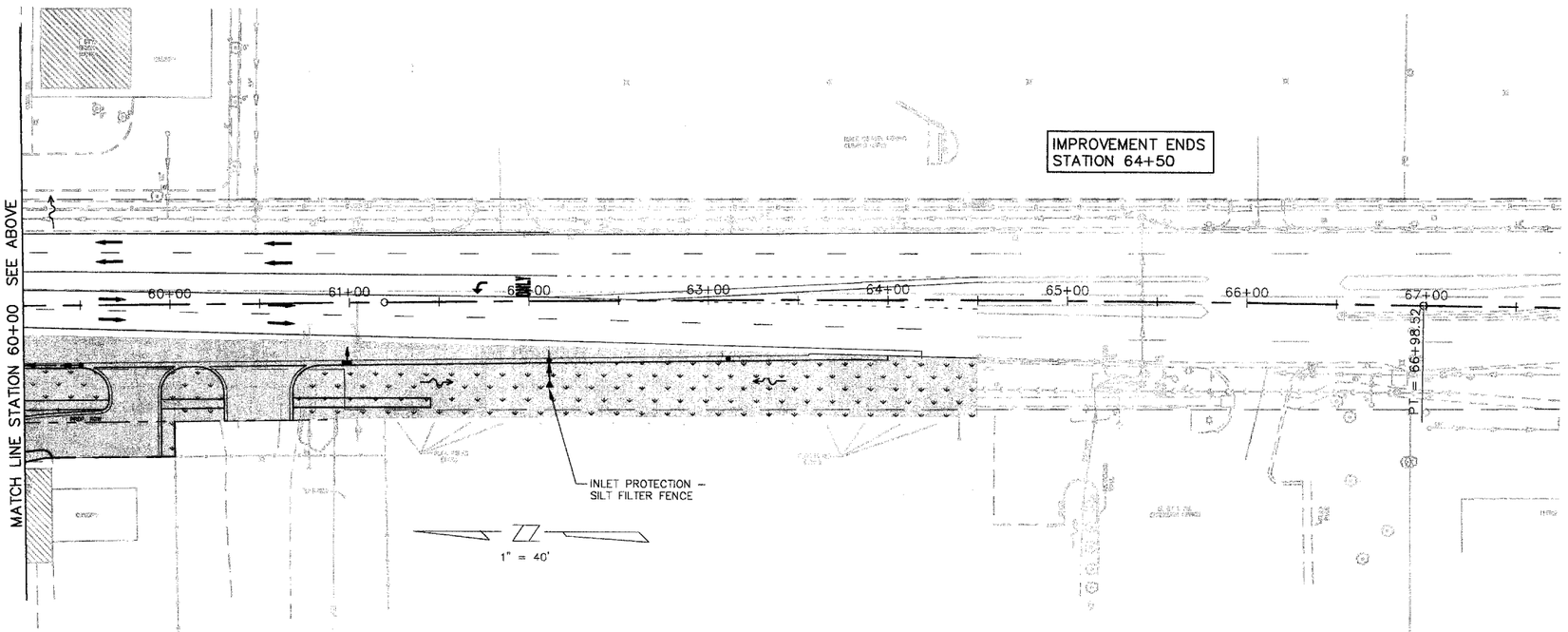
January 17, 2005 8:44:57 a.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 1 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS		PROJECT F-03.36(0	



RANDALL ROAD
EROSION CONTROL STAGE I



RANDALL ROAD
EROSION CONTROL STAGE I

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

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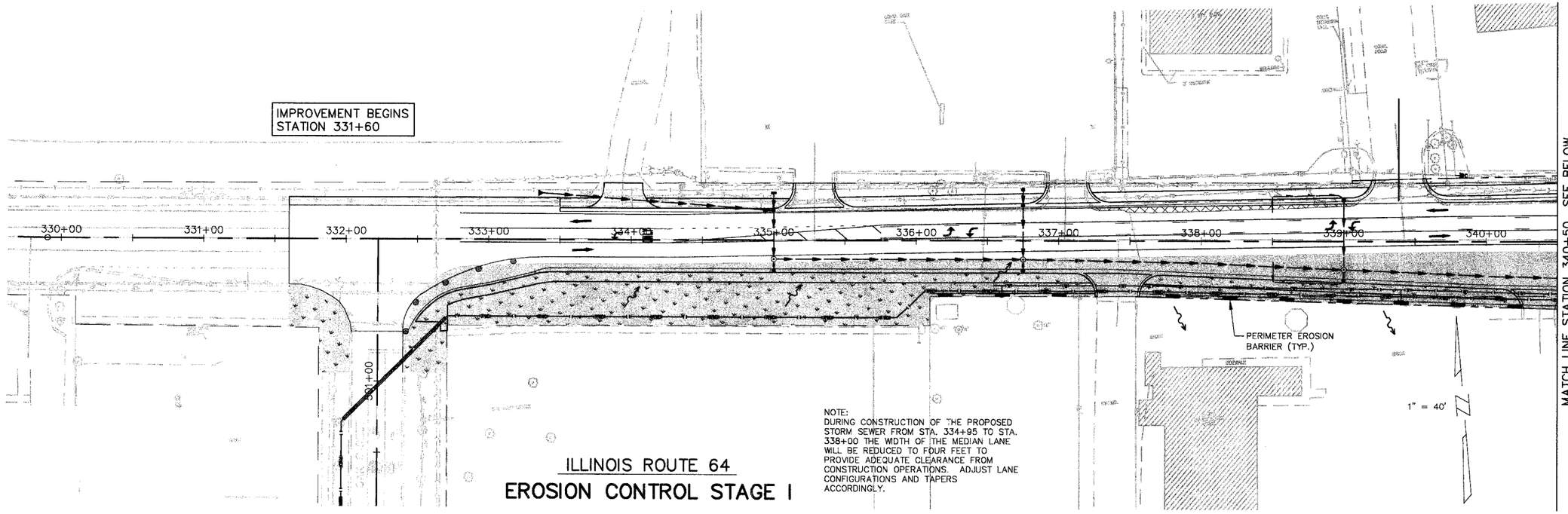
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 1 ILLINOIS ROUTE			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-033	

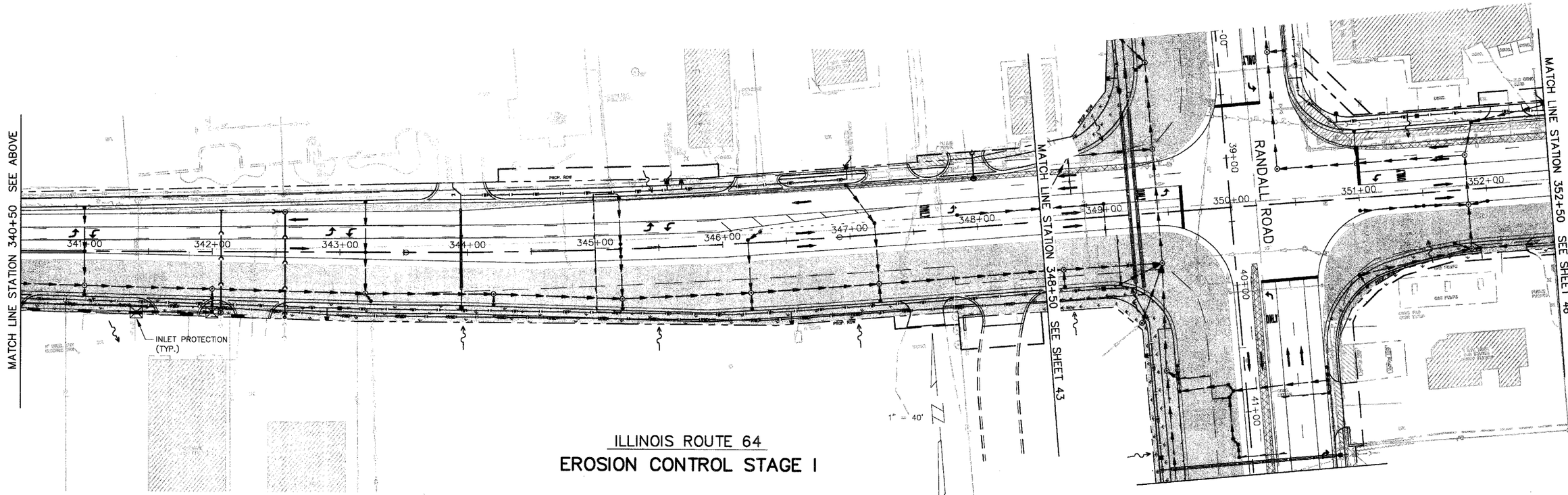
EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



ILLINOIS ROUTE 64
EROSION CONTROL STAGE I

NOTE:
DURING CONSTRUCTION OF THE PROPOSED STORM SEWER FROM STA. 334+95 TO STA. 338+00 THE WIDTH OF THE MEDIAN LANE WILL BE REDUCED TO FOUR FEET TO PROVIDE ADEQUATE CLEARANCE FROM CONSTRUCTION OPERATIONS. ADJUST LANE CONFIGURATIONS AND TAPERS ACCORDINGLY.



ILLINOIS ROUTE 64
EROSION CONTROL STAGE I

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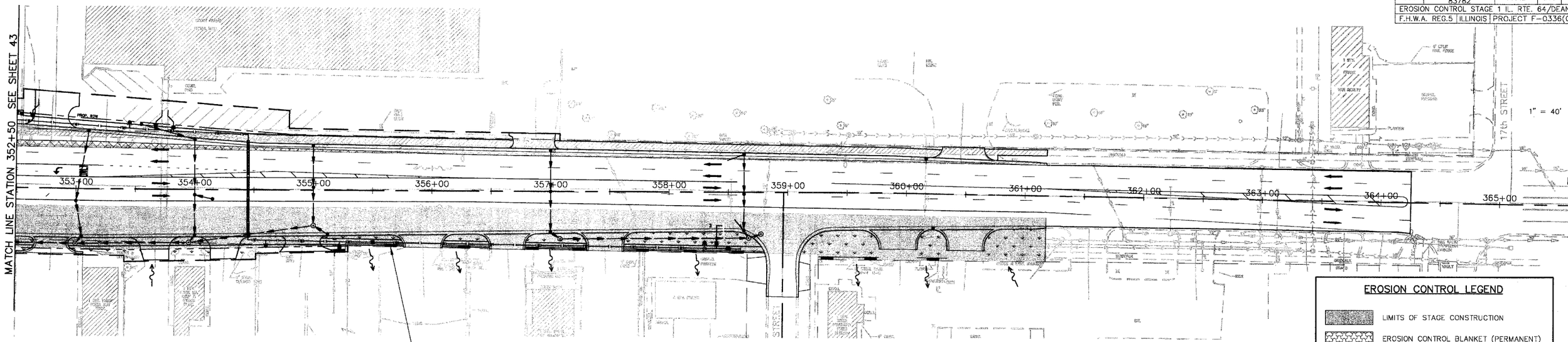
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 1 IL. RTE. 64/DEAN			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

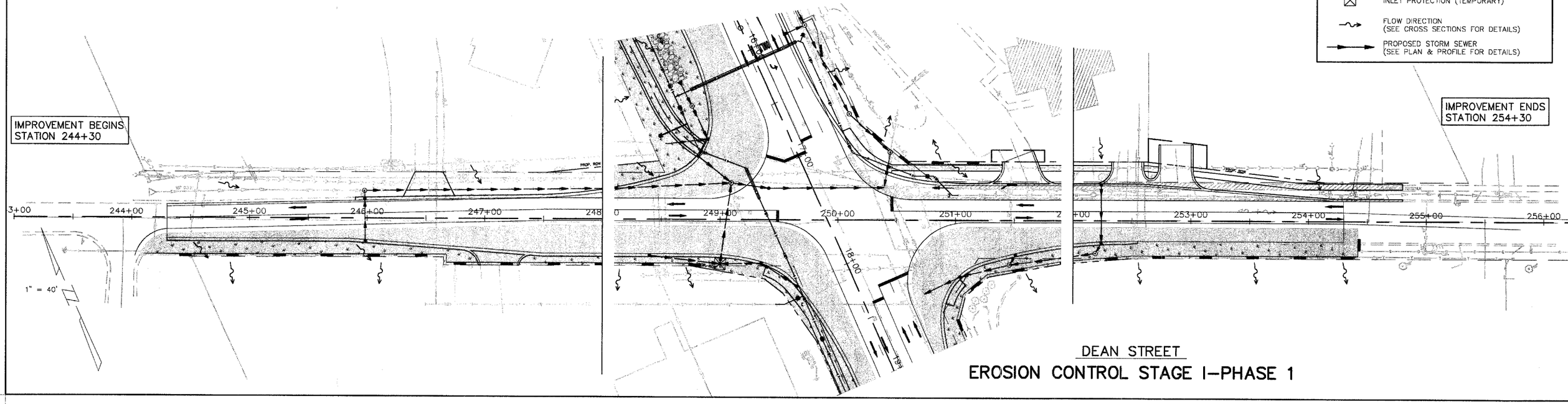


ILLINOIS ROUTE 64

EROSION CONTROL STAGE 1

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



DEAN STREET

EROSION CONTROL STAGE 1-PHASE 1

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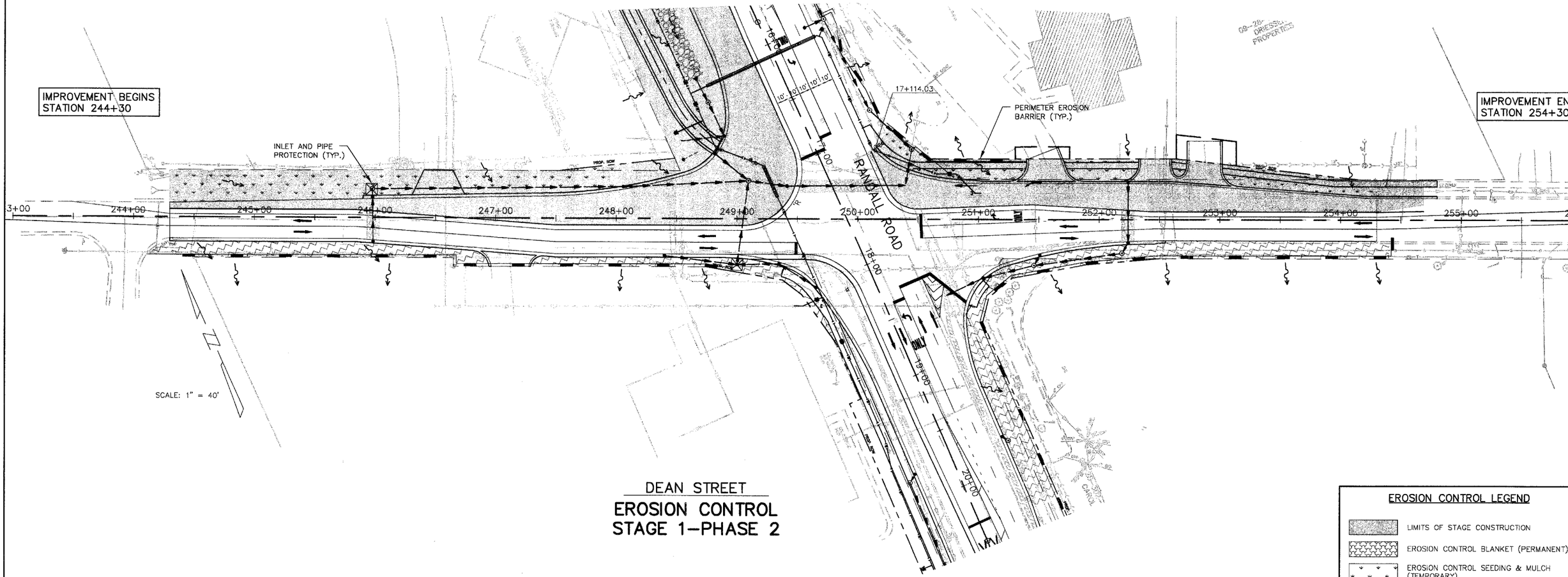
January 17, 2005 8:54:40 a.m.

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	STATE SECTION 83782	KANE	268
EROSION CONTROL STAGE 1A DEAN STREET			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



SCALE: 1" = 40'

DEAN STREET

EROSION CONTROL
STAGE 1-PHASE 2

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 1A RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-033G(C	

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
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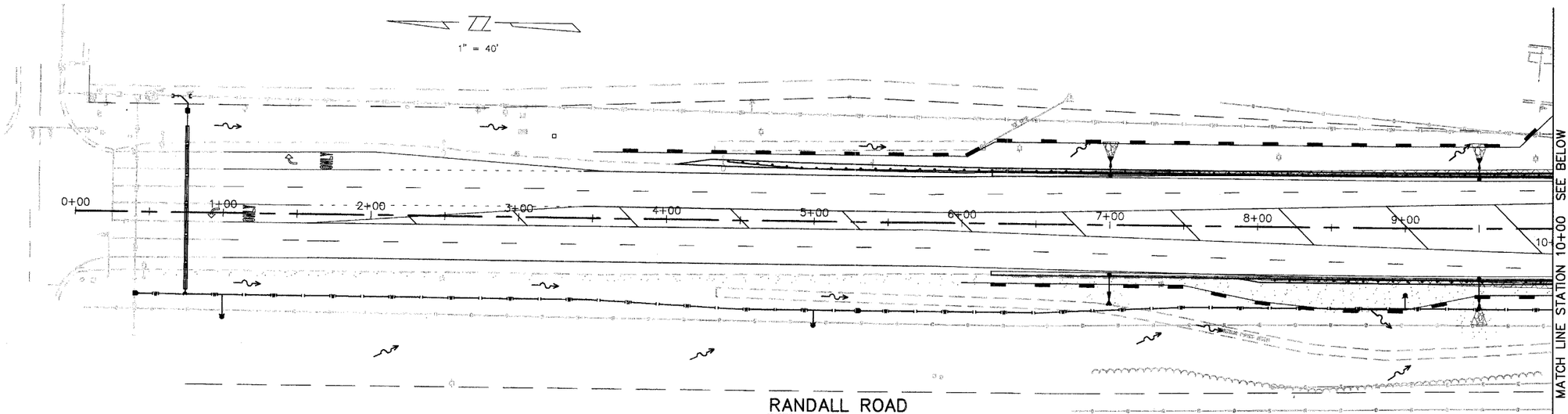
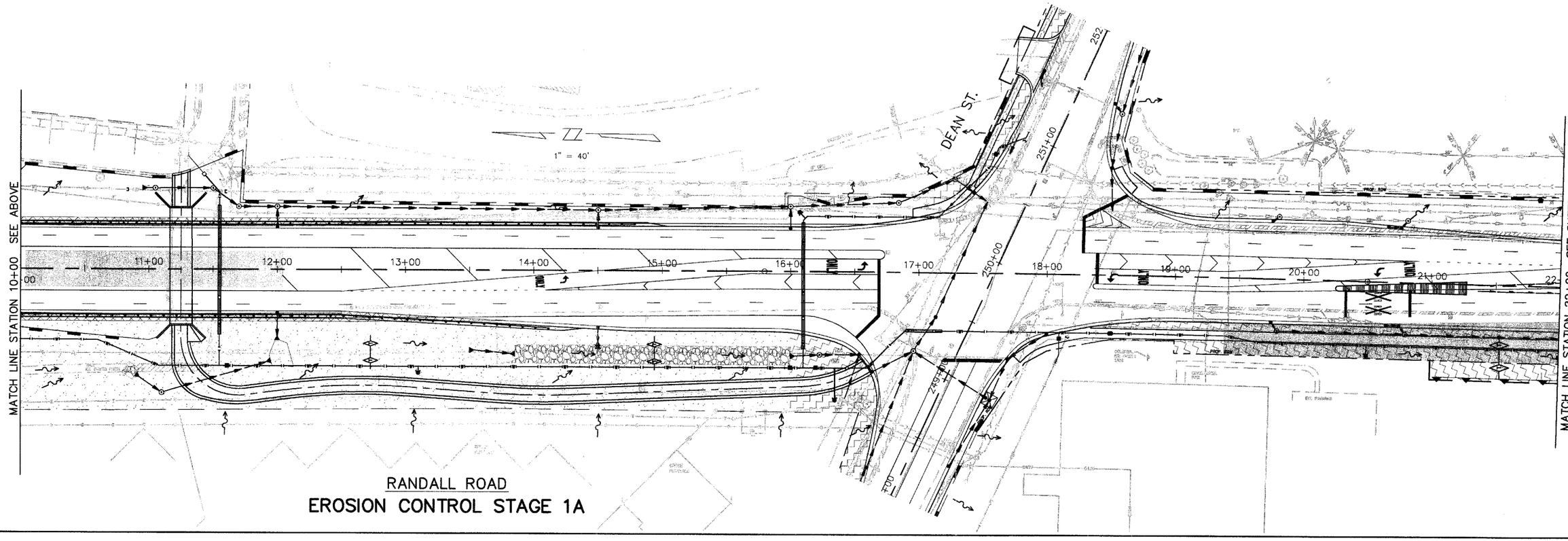
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



RANDALL ROAD
EROSION CONTROL STAGE 1A



RANDALL ROAD
EROSION CONTROL STAGE 1A

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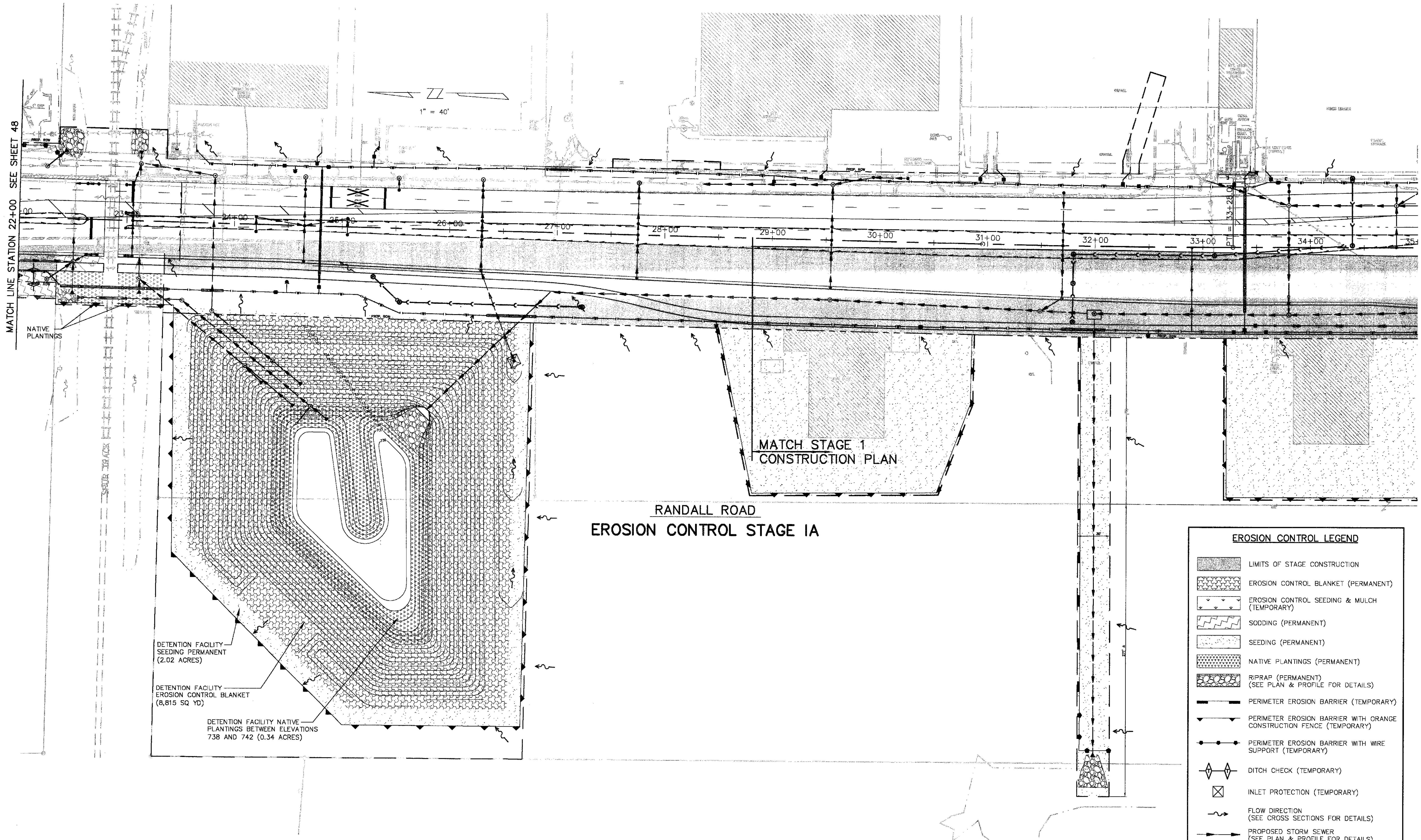
January 17, 2005 8:58:32 a.m.

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268

EROSION CONTROL STAGE 1A RANDALL ROAD

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(C



RANDALL ROAD

EROSION CONTROL STAGE IA

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

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November 23, 2004 3:09:30 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5 | ILLINOIS	PROJECT F-0336(0		

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
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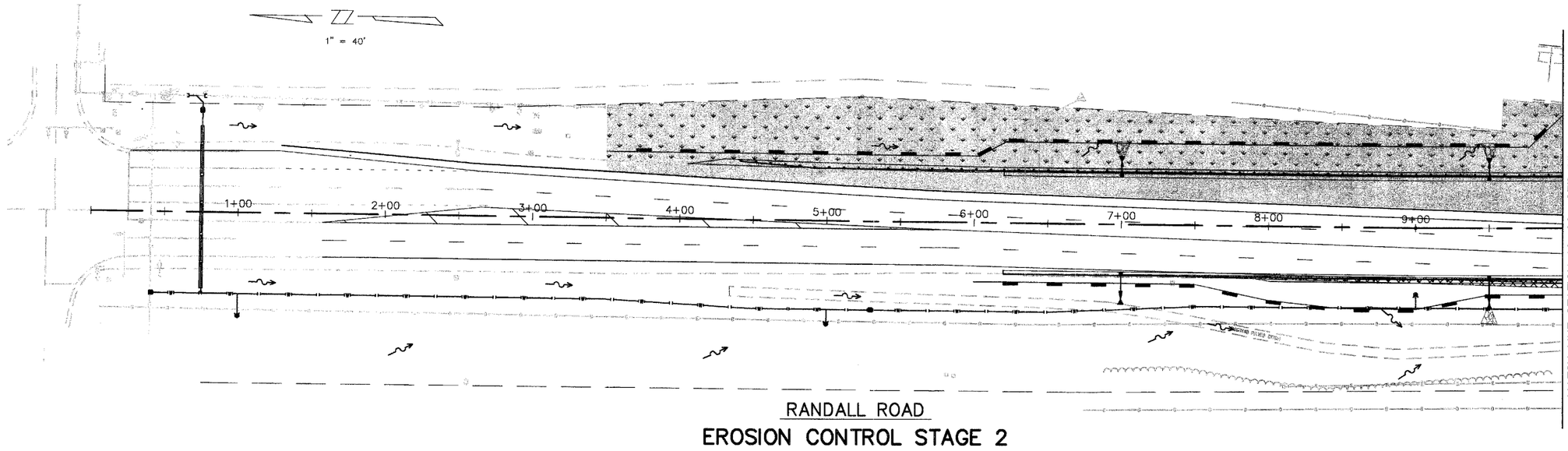
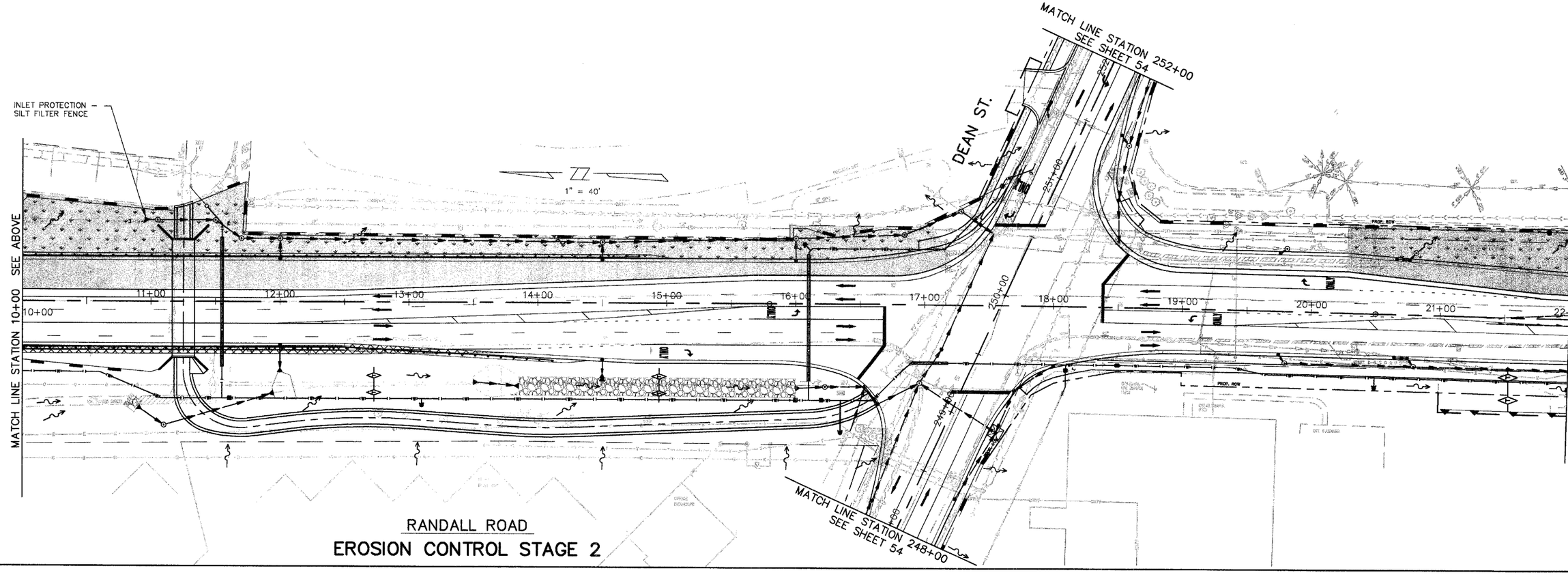
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



RANDALL ROAD
EROSION CONTROL STAGE 2



RANDALL ROAD
EROSION CONTROL STAGE 2

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November 23, 2004 3:09:30 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 63782		
EROSION CONTROL STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

PEB(SPECIAL) STA 23+01, 84' LT

PEB(SPECIAL) STA 23+01, 56' LT

PEB(SPECIAL) STA 22+63, 84' LT

PEB(SPECIAL) STA 22+63, 53' LT

PEB(SPECIAL) STA 23+20, 84' LT

PEB(SPECIAL) STA 23+20, 56' LT

PEB WITH WIRE TO WRAP AROUND DRIVEWAY ENTRANCE

PERIMETER EROSION BARRIER WITH WIRE SUPPORT

1" = 40'

INLET PROTECTION (TYP.)

MATCH LINE STATION 22+00 SEE SHEET 50

23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00

RANDALL ROAD

EROSION CONTROL STAGE 2

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

MATCH LINE STATION 352+50 SEE SHEET 54

ILL. RTE. 64

352+00 351+00 350+00 349+00

MATCH LINE STATION 35+00 SEE ABOVE

36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00

RANDALL ROAD

EROSION CONTROL STAGE 2

1" = 40'

MATCH LINE STATION 348+50 SEE SHEET 53

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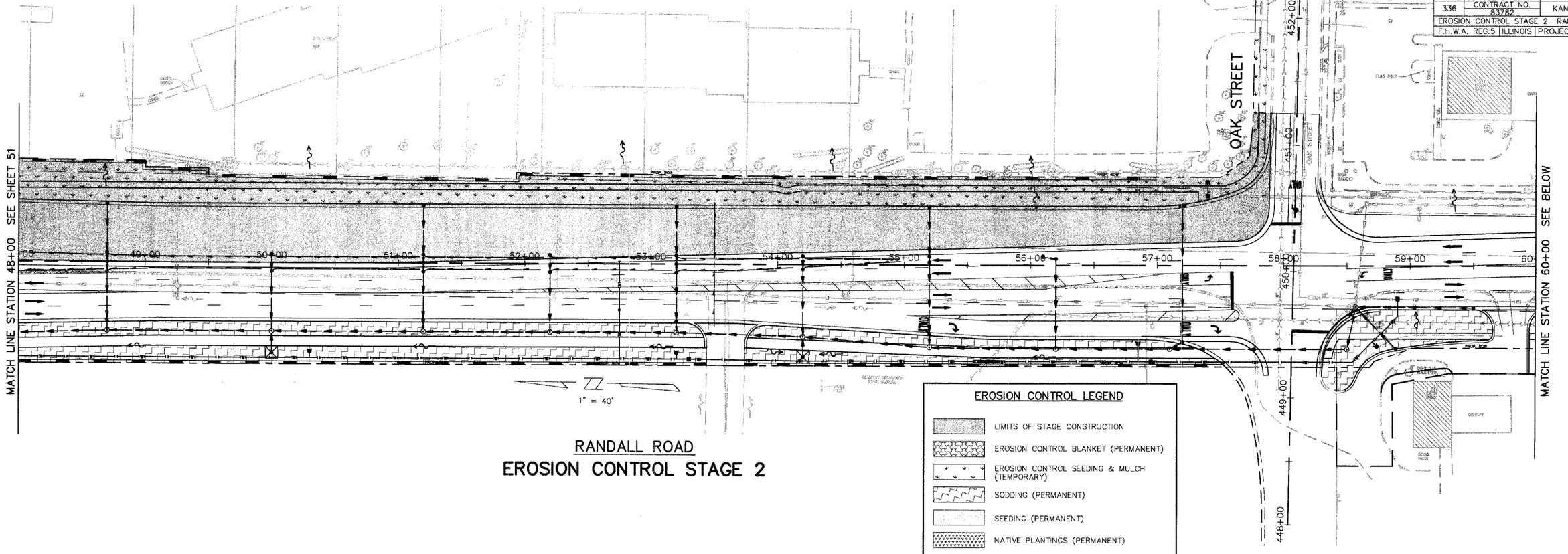
November 23, 2004 3:09:30 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5 ILLINOIS	PROJECT F-0336(0		



RANDALL ROAD
EROSION CONTROL STAGE 2

RANDALL ROAD
EROSION CONTROL STAGE 2

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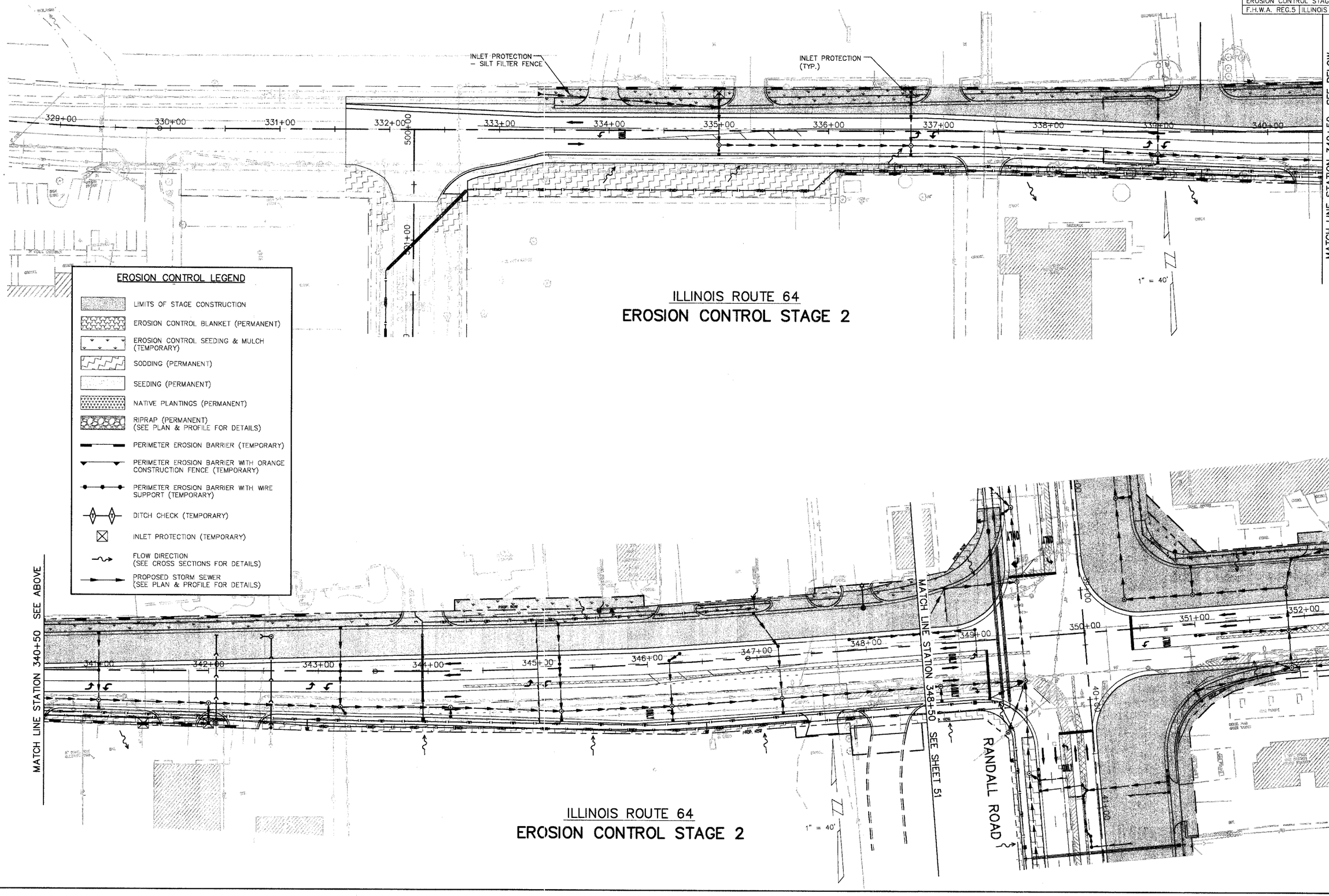
November 23, 2004 3:09:30 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 2 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(	



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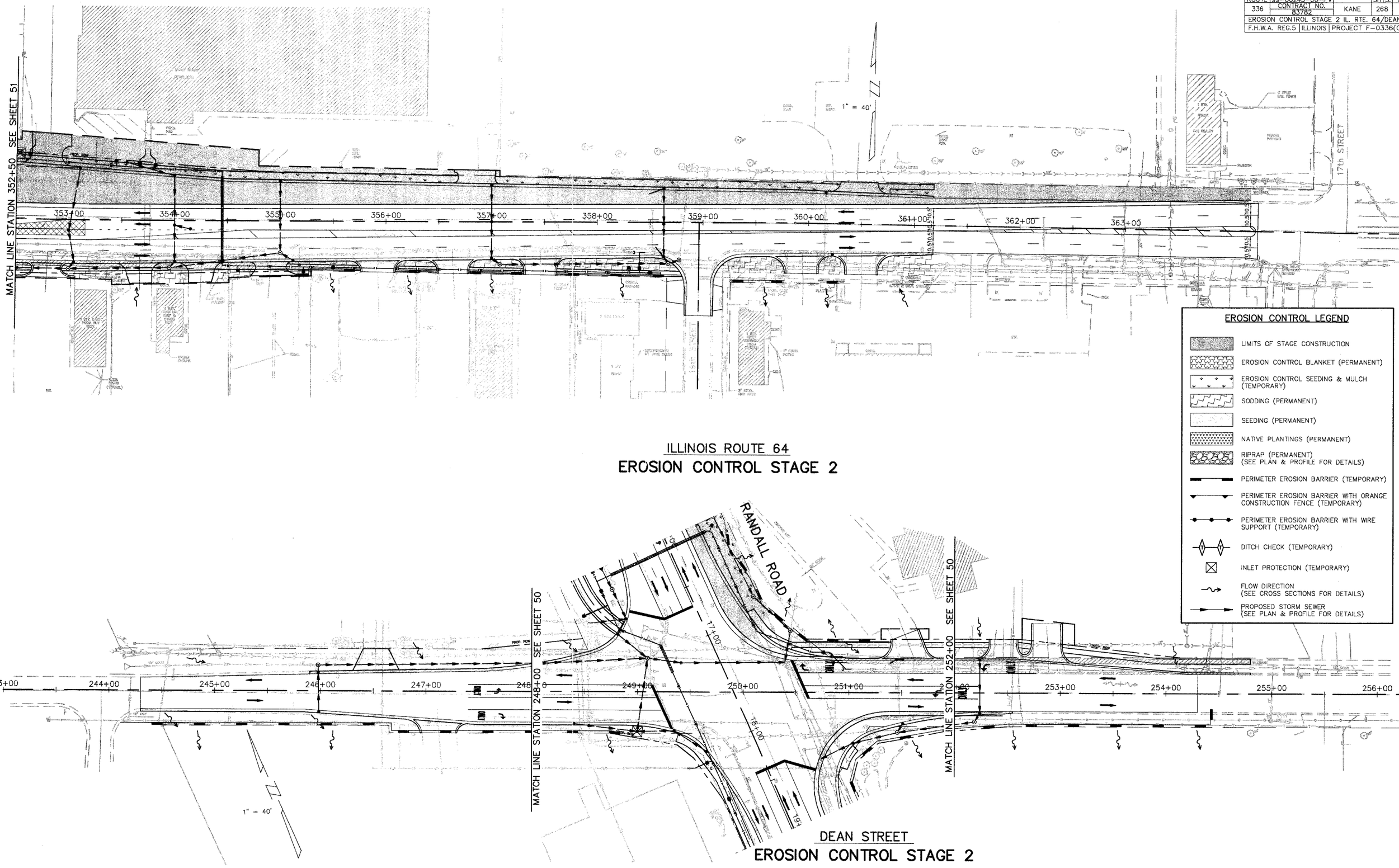
November 23, 2004 3:09:30 p.m.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 2 IL. RTE. 64/DEAN			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



ILLINOIS ROUTE 64
EROSION CONTROL STAGE 2

DEAN STREET
EROSION CONTROL STAGE 2

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

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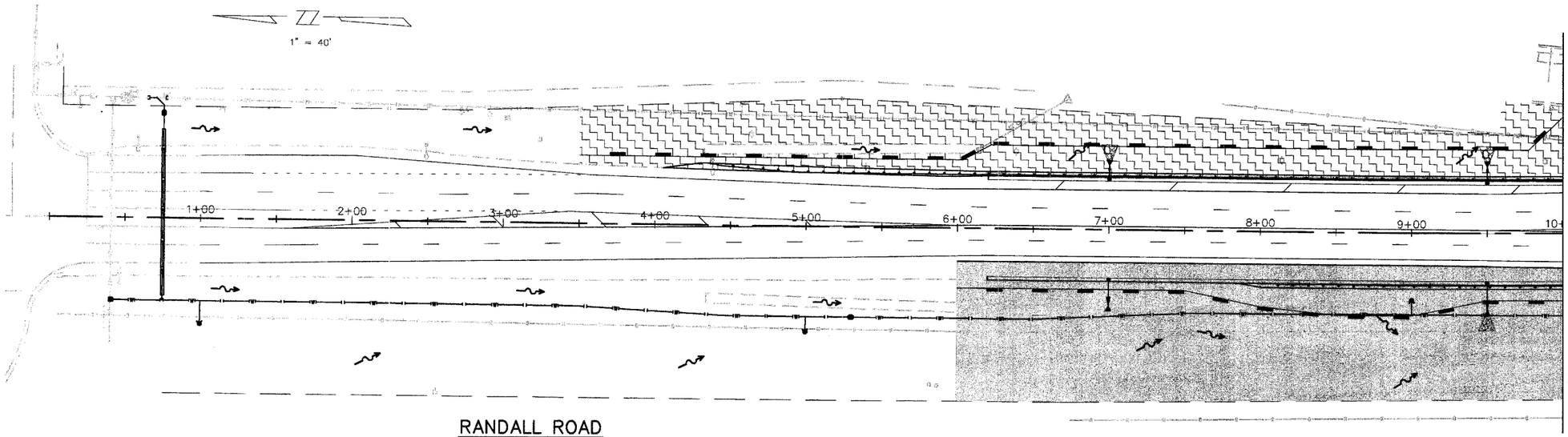
November 24, 2004 8:47:59 a.m.

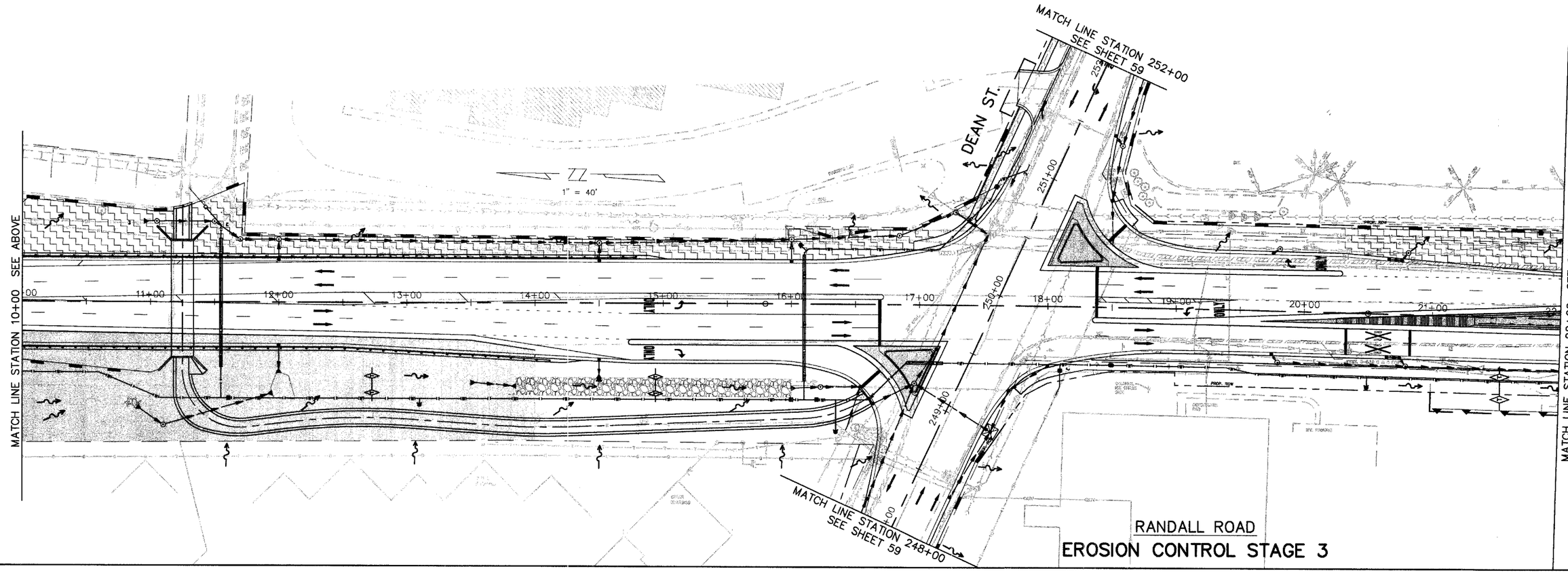
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 3 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



RANDALL ROAD
EROSION CONTROL STAGE 3



RANDALL ROAD
EROSION CONTROL STAGE 3

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		

EROSION CONTROL STAGE 3 RANDALL ROAD

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

1" = 40'

MATCH LINE STATION 22+00 SEE SHEET 55

RANDALL ROAD

EROSION CONTROL STAGE 3

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

MATCH LINE STATION 352+50 SEE SHEET 59

ILL. RTE. 64

MATCH LINE STATION 35+00 SEE ABOVE

STATION EQUATION
350+38.91 RANDALL ROAD =
349+98 IL. ROUTE 64

RANDALL ROAD

EROSION CONTROL STAGE 3

1" = 40'

MATCH LINE STATION 348+50 SEE SHEET 58

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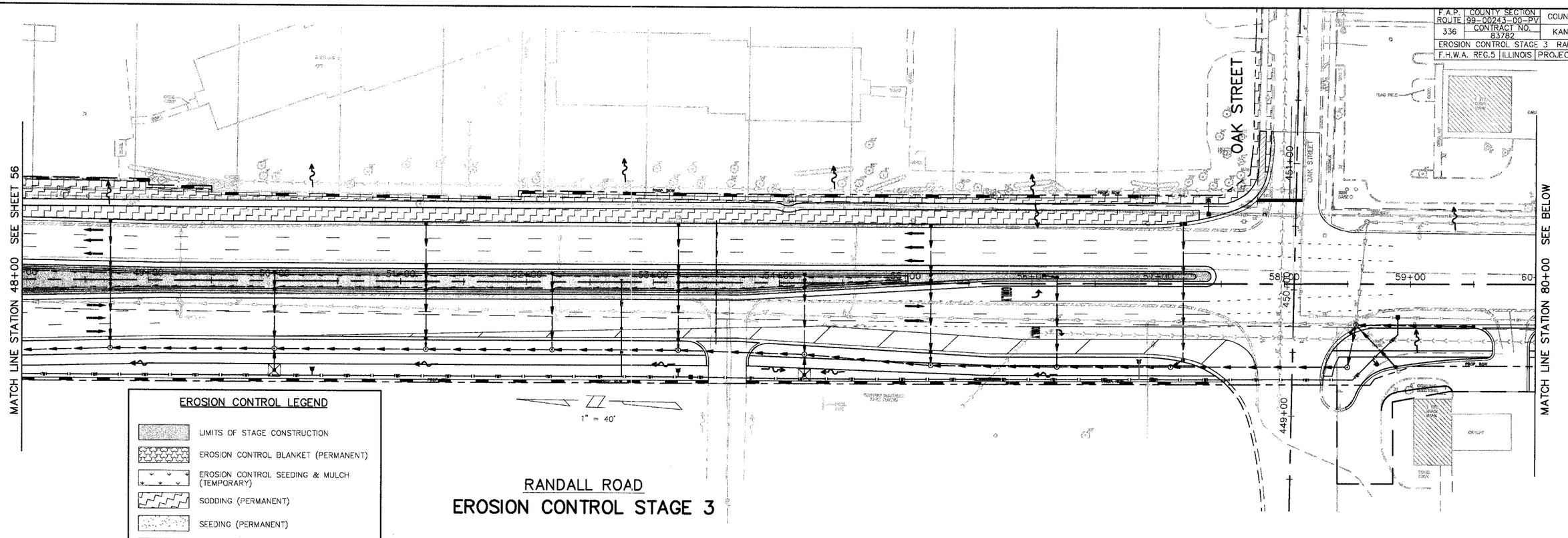
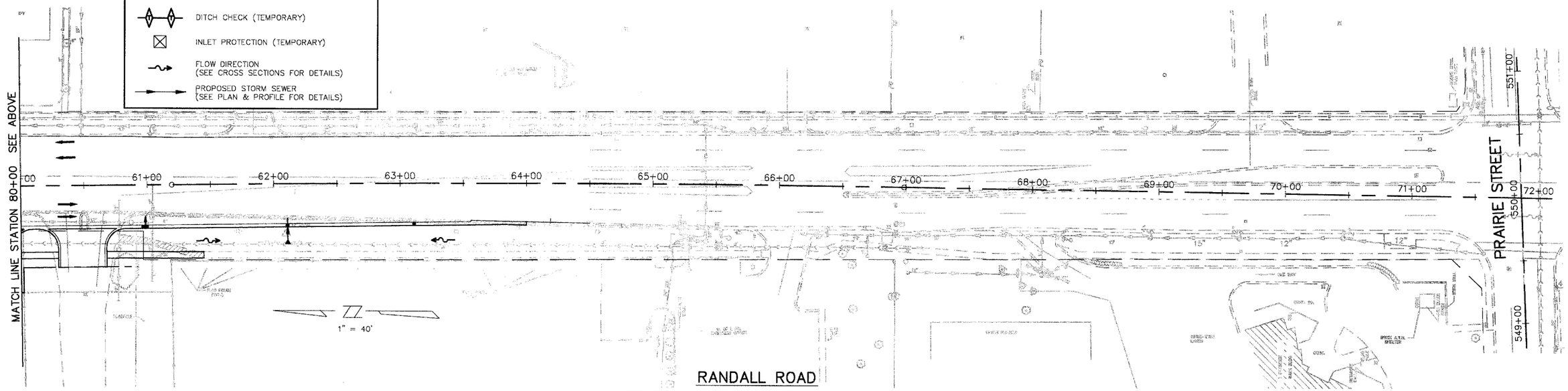
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
EROSION CONTROL STAGE 3 RANDALL ROAD			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	





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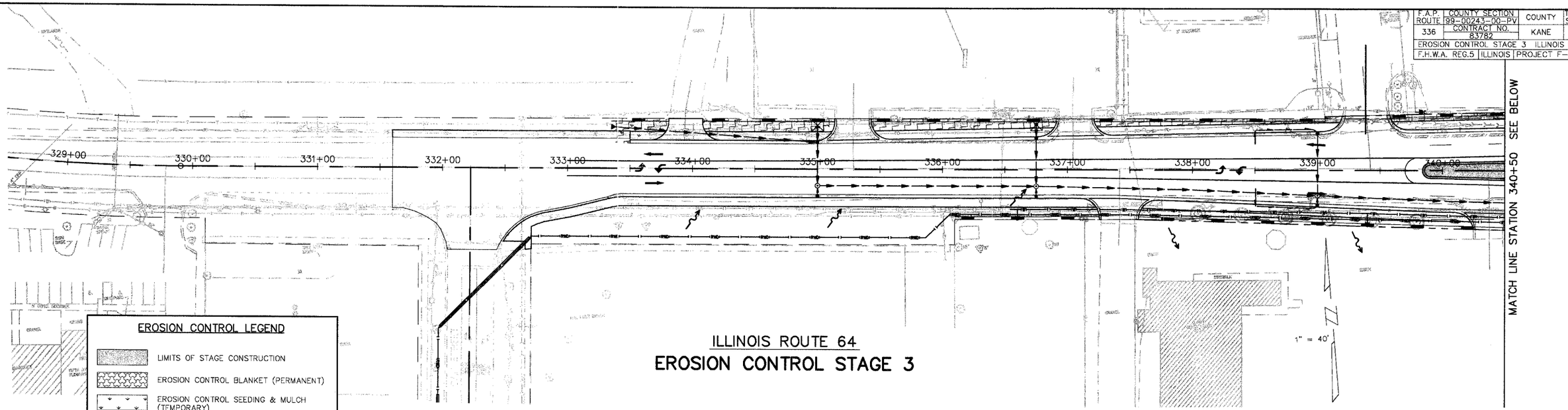
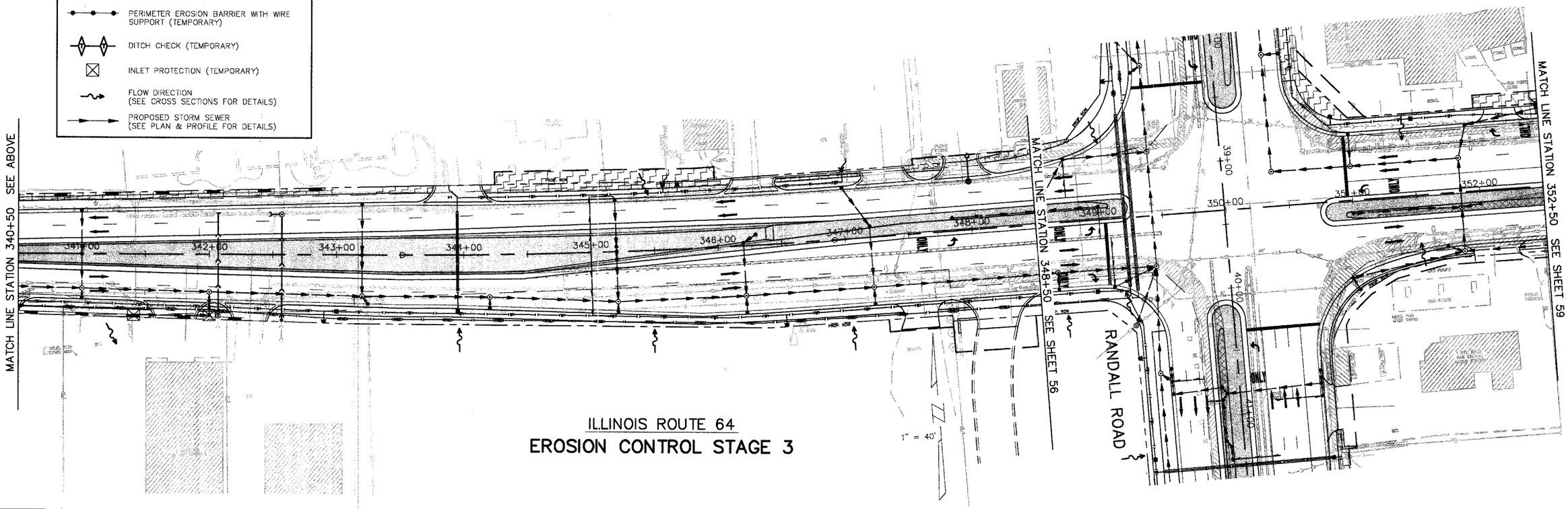
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 3 ILLINOIS ROUTE			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(	

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)



ILLINOIS ROUTE 64
EROSION CONTROL STAGE 3



ILLINOIS ROUTE 64
EROSION CONTROL STAGE 3

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
EROSION CONTROL STAGE 3 IL. RTE. 64/DEAN			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

MATCH LINE STATION 352+50 SEE SHEET 56

1" = 40'

353+00 354+00 355+00 356+00 357+00 358+00 359+00 360+00 361+00 362+00 363+00

17th STREET

ILLINOIS ROUTE 64
EROSION CONTROL STAGE 3

EROSION CONTROL LEGEND

- LIMITS OF STAGE CONSTRUCTION
- EROSION CONTROL BLANKET (PERMANENT)
- EROSION CONTROL SEEDING & MULCH (TEMPORARY)
- SODDING (PERMANENT)
- SEEDING (PERMANENT)
- NATIVE PLANTINGS (PERMANENT)
- RIPRAP (PERMANENT) (SEE PLAN & PROFILE FOR DETAILS)
- PERIMETER EROSION BARRIER (TEMPORARY)
- PERIMETER EROSION BARRIER WITH ORANGE CONSTRUCTION FENCE (TEMPORARY)
- PERIMETER EROSION BARRIER WITH WIRE SUPPORT (TEMPORARY)
- DITCH CHECK (TEMPORARY)
- INLET PROTECTION (TEMPORARY)
- FLOW DIRECTION (SEE CROSS SECTIONS FOR DETAILS)
- PROPOSED STORM SEWER (SEE PLAN & PROFILE FOR DETAILS)

MATCH LINE STATION 248+00 SEE SHEET 55

RANDALL ROAD

244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00 253+00 254+00 255+00 256+00

MATCH LINE STATION 252+00 SEE SHEET 55

1" = 40'

DEAN STREET
EROSION CONTROL STAGE 3

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

PLAN & PROFILE STA. 0+00 TO 5+50
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

RED HAW LANE

EXISTING ROW

TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (50') (TANGENT)

STEEL PLATE BEAM GUARDRAIL, TYPE A

BITUMINOUS SHOULDERS, SUPERPAVE 6" FOR GUARDRAIL

BUTT JOINT

4+41

4+91
35.5' LT TO FACE OF GUARDRAIL

0+00 1+00 2+00 3+00 4+00 5+00

EXISTING & PROPOSED ℄

BITUMINOUS SURFACE REMOVAL, 2"

ROADWAY IMPROVEMENT BEGINS STA. 1+00

110' EXISTING ROW

MATCH LINE STA. 5+50 SHEET NO. 61

RANDALL ROAD

SCALE: 1" = 20'

2" BIT. SURFACE REMOVAL & OVERLAY STA. 1+00 TO STA. 6+20

PROPOSED & EXISTING ℄ PROFILE

12" WATER MAIN (EAST)

12" WATER MAIN (EAST)

PROPOSED & EXISTING ℄ PROFILE

PROPOSED & EXISTING ℄ PROFILE

	0+00	0+50	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00	5+50
EXISTING ℄ ELEVATIONS	828.41	828.00	827.18	826.10	824.84	823.32	821.42	819.26	816.88	814.21	811.25	808.06
PROPOSED ℄ ELEVATIONS			827.18	826.10	824.84	823.32	821.42	819.26	816.88	814.21	811.25	808.06

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PLAN & PROFILE STA. 5+50 TO STA. 10+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(	

MATCH LINE STA. 5+50 SHEET NO. 60

MATCH LINE STA. 10+50 SHEET NO. 62

EXISTING ROW

BITUMINOUS SHOULDERS, SUPERPAVE 6" FOR GUARDRAIL

6+20
35.00' LT
TO FACE OF GUARDRAIL

DEPRESS CURB IN 10'

6+30
32.00' LT

6+20
32' LT
END C&G
END SAWCUT

CLASS D PATCHES
TYPE II, 14" 5.5 SY

SAWCUT

STEEL PLATE BEAM GUARDRAIL, TYPE A

REMOVE GUARDRAIL

CLASS D PATCHES
TYPE II, 14" 5.5 SY

COMB. CONC. C&G
TYPE B-6.24

32'

32'

6+00

7+00

8+00

9+00

10+00

EXISTING & PROPOSED ℄

6+20
32' RT
END C&G
END SAWCUT

6+30
32.00' RT

SAWCUT

CLASS D PATCHES
TYPE II, 14" 5.5 SY

CLASS D PATCHES
TYPE II, 14" 5.5 SY

BITUMINOUS SURFACE REMOVAL, 2"

DEPRESS CURB IN 10'

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)

8+12

TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (50') (TANGENT)

8+62
35' RT
TO FACE

STEEL PLATE BEAM GUARDRAIL, TYPE A

BITUMINOUS SHOULDERS, SUPERPAVE 6" FOR GUARDRAIL

110'

EXISTING PAVED DRIVE

RANDALL ROAD

EXISTING ROW

SCALE: 1" = 20'

PROPOSED & EXISTING ℄ PROFILE

6+20
803.24
MEET EXIST.

-6.98%

PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE

-6.98%

PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE

-6.98%

VPI STA. = 9+50
ELEV = 780.20
NO V.C.

PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE

-6.58%

VPC 10+40
774.31

12" WATER MAIN (EAST)

EXISTING ℄ ELEVATIONS	804.61	797.63	794.14	790.68	787.20	783.70	780.20	776.78	773.47
PROPOSED ℄ ELEVATIONS 808.06	804.61	797.65	794.16	790.67	787.18	783.69	780.20	776.93	773.66
	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50

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F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.	SH
336	CONTRACT NO. 83782	KANE	268	
PLAN & PROFILE STA. 10+50 TO STA. 15+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(		

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	
PLAN STA. 15+50 TO STA. 19+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

MATCH LINE STA.15+50 SHEET NO. 62

MATCH LINE STA. 247+00 SHEET NO. 82

MATCH LINE STA. 252+50 SHEET NO. 83

MATCH LINE STA.19+50 SHEET NO. 64

RANDALL ROAD
℄ CURVE #1

INCLUDED ANGLE = 01°-32'-13"
RADIUS = 17520.00'
TANGENT LENGTH = 234.98'
ARC LENGTH = 469.93'
CHORD LENGTH = 469.92'
EXTERNAL SECANT = 1.58'
MID ORDINATE = 1.58'
DEGREE OF CURVE = 00°-19'-37"
PC STA. = 15+79.77
PT STA. = 20+49.70

SCALE: 1" = 20'

STATION EQUATION
STA. 17+59.01 RANDALL ROAD =
STA. 249+91.24 DEAN STREET

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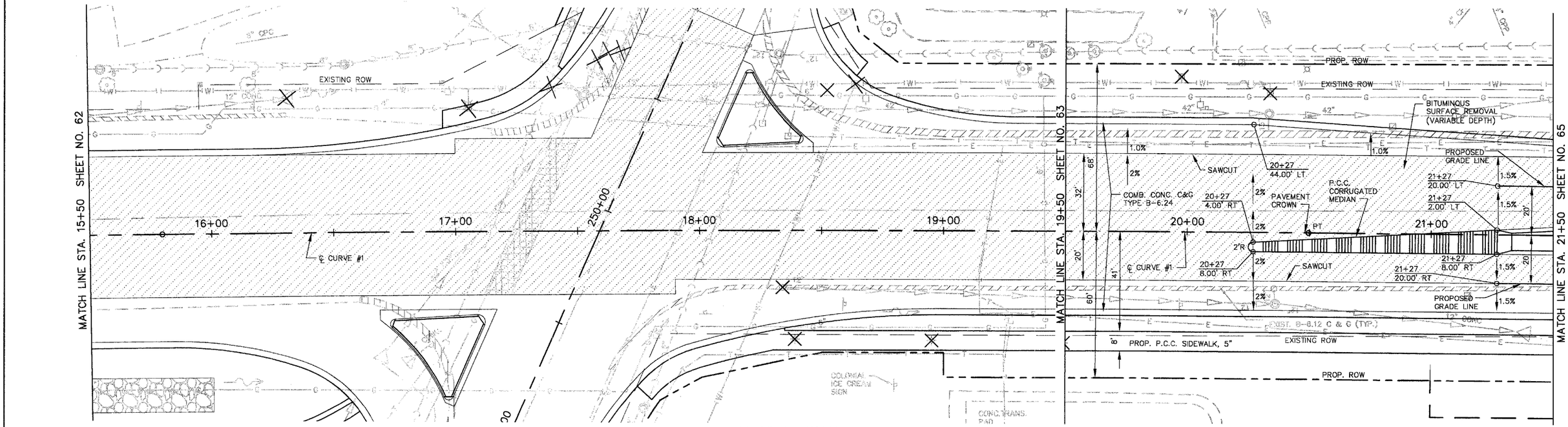
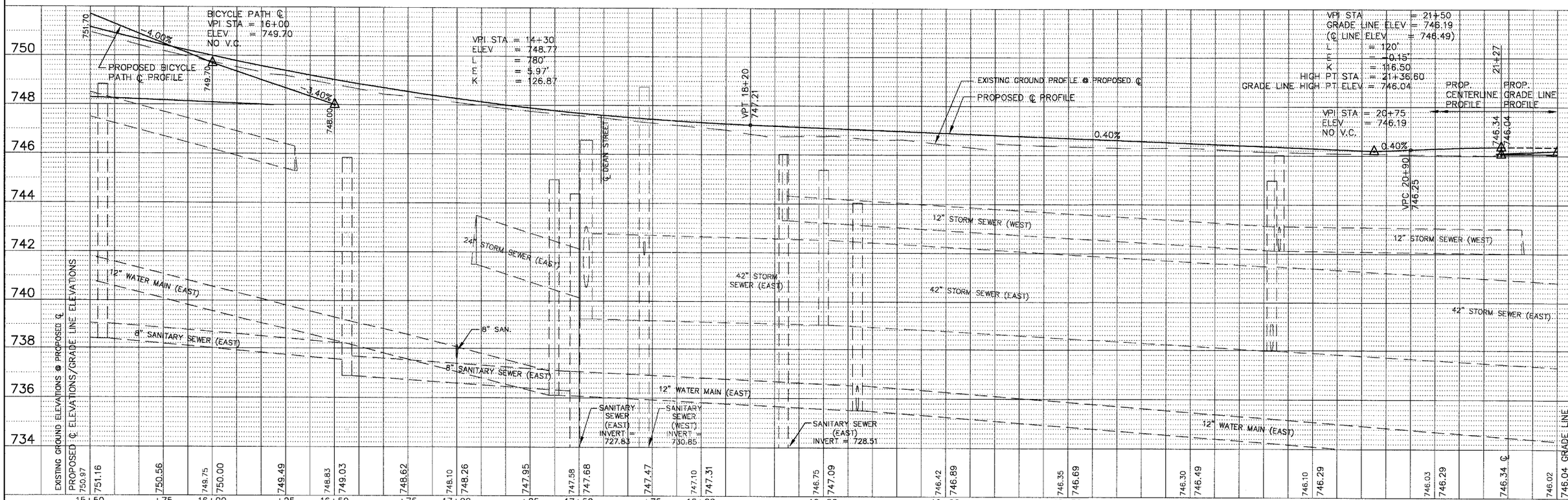
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	N
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	6
PLAN & PROFILE STA. 15+50 TO STA. 21+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		



RANDALL ROAD

SCALE: 1" = 20'



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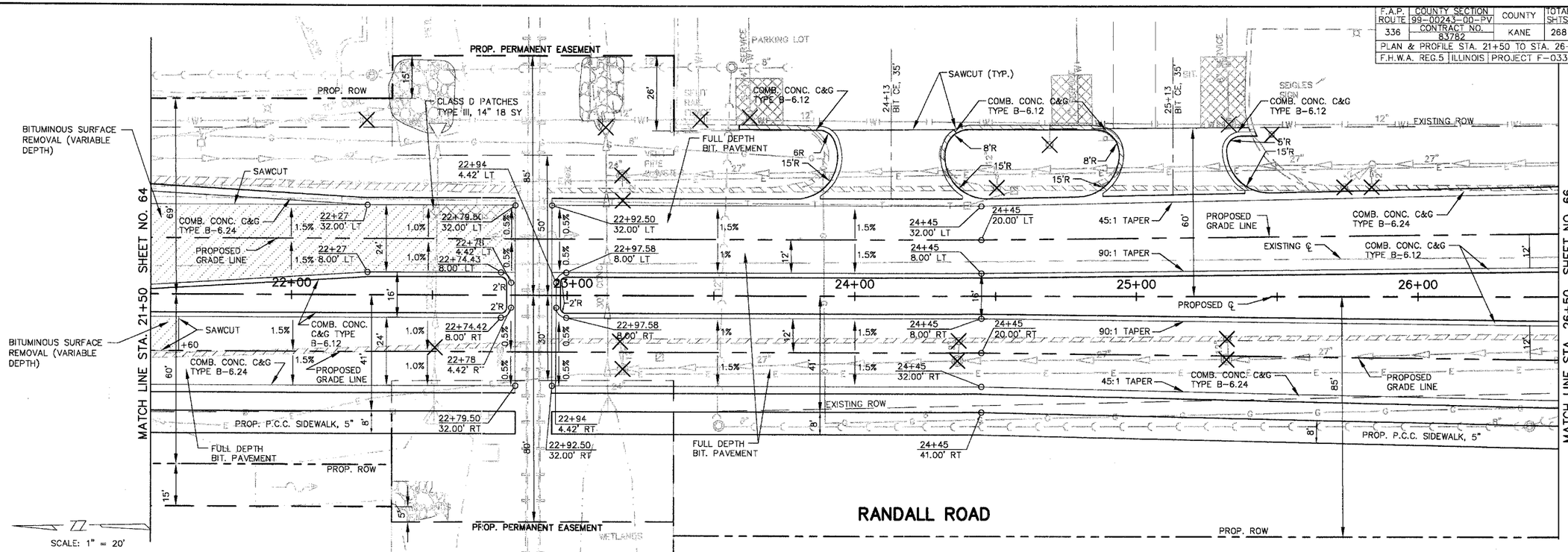
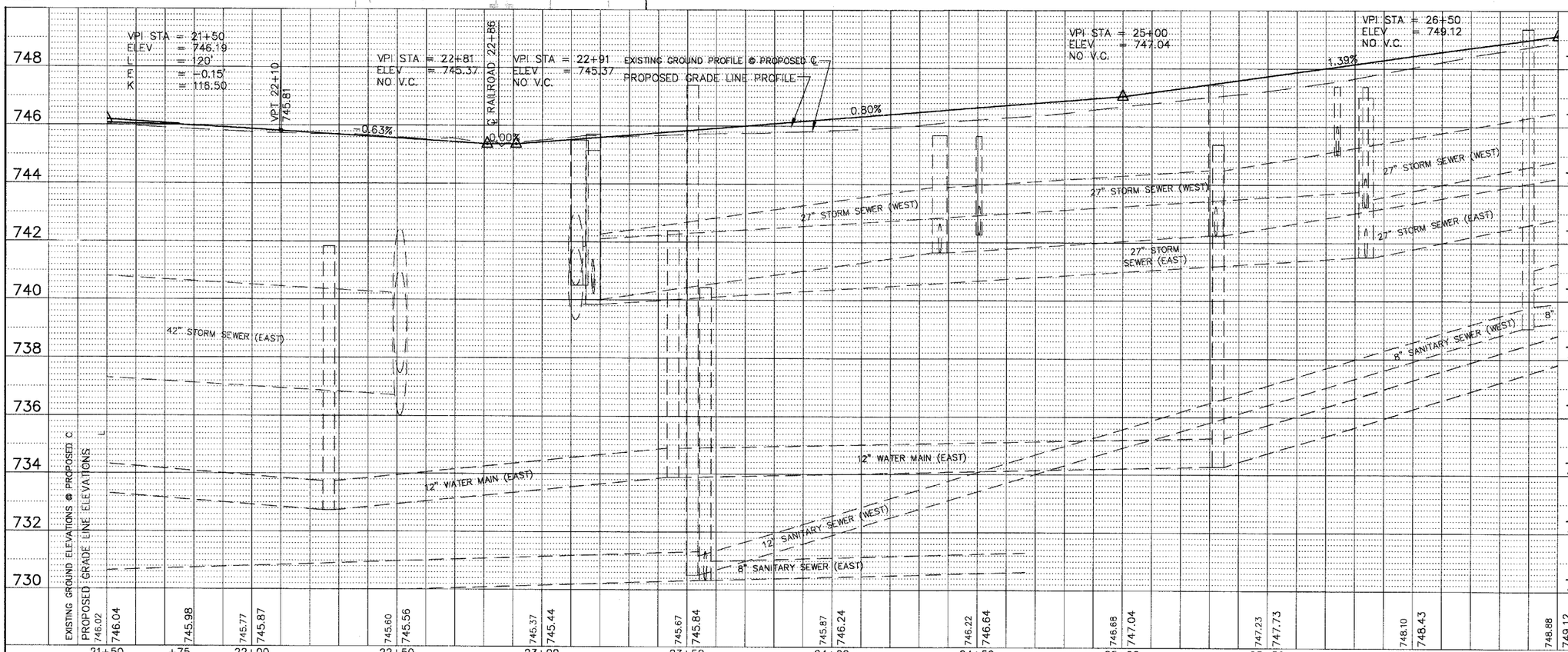
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	N
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	6
PLAN & PROFILE STA. 21+50 TO STA. 26+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		





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RANDALL ROAD
℄ CURVE #2

RADIUS = 9950.00'
ARC LENGTH = 232.66'
CHORD LENGTH = 232.65'
TANGENT LENGTH = 116.33'
DEGREE OF CURVE = 00°-34'-33"
MID ORDINATE = 0.68'
EXTERNAL SECANT = 0.68'
INCLUDED ANGLE = 01°-20'-23"
PC = 30+95.36
PT = 33+28.01

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

PLAN & PROFILE STA. 26+50 TO STA. 31+50
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(0

MATCH LINE STA. 26+50 SHEET NO. 65

MATCH LINE STA. 31+50 SHEET NO. 67

PROP. CONSTR. EASEMENT
EXIST. UTILITY EASEMENT
EXISTING ROW
PROP. ROW
SERVICE LINE
COMB. CONC. C&G TYPE B-6.12
END OF CURB FLUSH WITH PAVEMENT
RETAINING WALL 5'-7"HIGH
SAWCUT
30+10 BIT CE. 35'
15'R
PROPOSED GRADE LINE
2%
1.5%
FULL DEPTH BIT. PAVEMENT +65
CONC. PAVEMENT
61'
45:1 TAPER
90:1 TAPER
12'
66'
EXISTING ℄
PROPOSED ℄
PC
27+00
28+00
29+00
30+00
31+00
30+95.36 46.45' LT
30+75 27.0' LT
30+75 15.0' LT
30+95.36 15.0' LT
30+75 15.0' RT
30+95.36 15.0' RT
30+75 27.0' RT
30+95.36 46.45' RT
REMOVE FENCE
26+79.95 46.22' RT
27+85.25 59.65' RT
8' PROP. P.C.C. SIDEWALK, 5"
500'R
29+00 73.00' RT
85'
73'
8'
CANOPY
BUILDING REMOVAL NO. 1
GRASS
SIGN
SCALE: 1" = 20'

RANDALL ROAD

VPI STA = 26+50
ELEV = 749.12
NO V.C.

VPC 26+80
749.42

1.00%

VPI STA = 27+70
ELEV = 750.32
L = 180'
T = 0.43'
K = 94.74

VPT 28+60
752.93

2.90%

EXISTING GROUND ELEVATIONS @ PROPOSED ℄
PROPOSED GRADE LINE ELEVATIONS

26+50	27+00	+25	27+50	+75	28+00	+25	28+50	29+00
748.79	749.42	749.97	750.09	750.84	750.96	751.98	752.17	753.49
749.12	749.64		750.37		751.38		752.64	754.09

29+50	30+00	30+50	31+00	31+50
754.77	756.08	757.44	758.84	760.15
755.54	756.99	758.44	759.89	761.34

754
752
750
748
746
744
742
740
738
736
734

EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED GRADE LINE PROFILE
2.90%
18" STORM SEWER (EAST)
18" STORM SEWER (WEST)
27" STORM SEWER (EAST)
8" SANITARY SEWER (WEST)
12" WATER MAIN (EAST)
SANITARY SEWER (WEST)

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RANDALL ROAD
℄ CURVE #2

RADIUS = 9950.00'
ARC LENGTH = 232.66'
CHORD LENGTH = 232.65'
TANGENT LENGTH = 116.33'
DEGREE OF CURVE = 00°-34'-33"
MID ORDINATE = 0.68'
EXTERNAL SECANT = 0.68'
INCLUDED ANGLE = 01°-20'-23"
PC = 30+95.36
PT = 33+28.01

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV	KANE	268	6
	CONTRACT NO. 83782			
PLAN & PROFILE STA. 31+50 TO STA. 36+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

MATCH LINE STA. 31+50 SHEET NO. 66

MATCH LINE STA. 36+50 SHEET NO. 68

COMB. CONC. C&G TYPE B-6.12
COMB. CONC. C&G TYPE B-6.24
EXIST. CONC. DRIVEWAY REPLACE WITH BITUMINOUS
IRON VENT PIPES (TYPICAL)
END OF CURB FLUSH WITH PAVEMENT (TYP.)
EXISTING ROW
GRAVEL STORAGE
15'R
9800.33'R
9896.26'R
PROPOSED GRADE LINE
EXISTING ℄
PROPOSED ℄
PT
32+00
33+00
34+00
35+00
36+00
32+73 BIT CE, 35'
33+30 BIT CE, 32'
35+28 BIT CE, 24'
33+00 51.00' LT
33+28 51.00' LT
33+28 15.00' LT
33+28 15.00' RT
33+00 51.00' RT
33+28 51.00' RT
33+28 73.00' RT
34+56 51' RT
35+93 15.00' LT
35+93 9' LT
MEDIAN TYPE SB-6.12
PROP. P.C.C. SIDEWALK, 5"
PROP. ROW
PARTIAL BUILDING REMOVAL AND RECONSTRUCTION
BUILDING REMOVAL NO. 2
BRICK BLDG.
VOCO TRUCKS
RANDALL ROAD

SCALE: 1" = 20'

EXISTING GROUND ELEVATIONS @ PROPOSED ℄
PROPOSED GRADE LINE ELEVATIONS

760.15 761.34 762.04 761.42 762.70 763.32 762.72 763.90 764.43 763.92 764.93 765.38 764.97 765.78 766.15 765.78 766.48 766.76 766.36 767.00 767.19 766.90 767.35 767.46 767.33 767.53 767.56 767.53 767.55 767.49 767.33 767.40

31+50 +75 32+00 +25 32+50 +75 33+00 +25 33+50 +75 34+00 +25 34+50 +75 35+00 +25 35+50 +75 36+00 +25 36+50

EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED GRADE LINE PROFILE

VPC 31+50 761.34
2.90%
2.90%
-0.48%
VPT 36+50 767.40

VPI STA = 34+00
ELEV = 768.59
L = 500
E = 2.11
K = 148.10
HIGH P.T. STA. = 35+79.49
HIGH P.T. ELEV. = 767.56

12" STORM SEWER (WEST)
8" SAN.
8" SANITARY SEWER (WEST)
18" STORM SEWER (WEST)
12" WATER MAIN (EAST)
18" STORM SEWER (EAST)
42" STORM SEWER (WEST)
8" SANITARY SEWER (WEST)
10" WATER MAIN (EAST)

766
764
762
760
758
756
754
752
750

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH N
	99-00243-00-PV			
336	CONTRACT NO. 83782	KANE	268	

PLAN & PROFILE STA. 36+50 TO STA. 41+50

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

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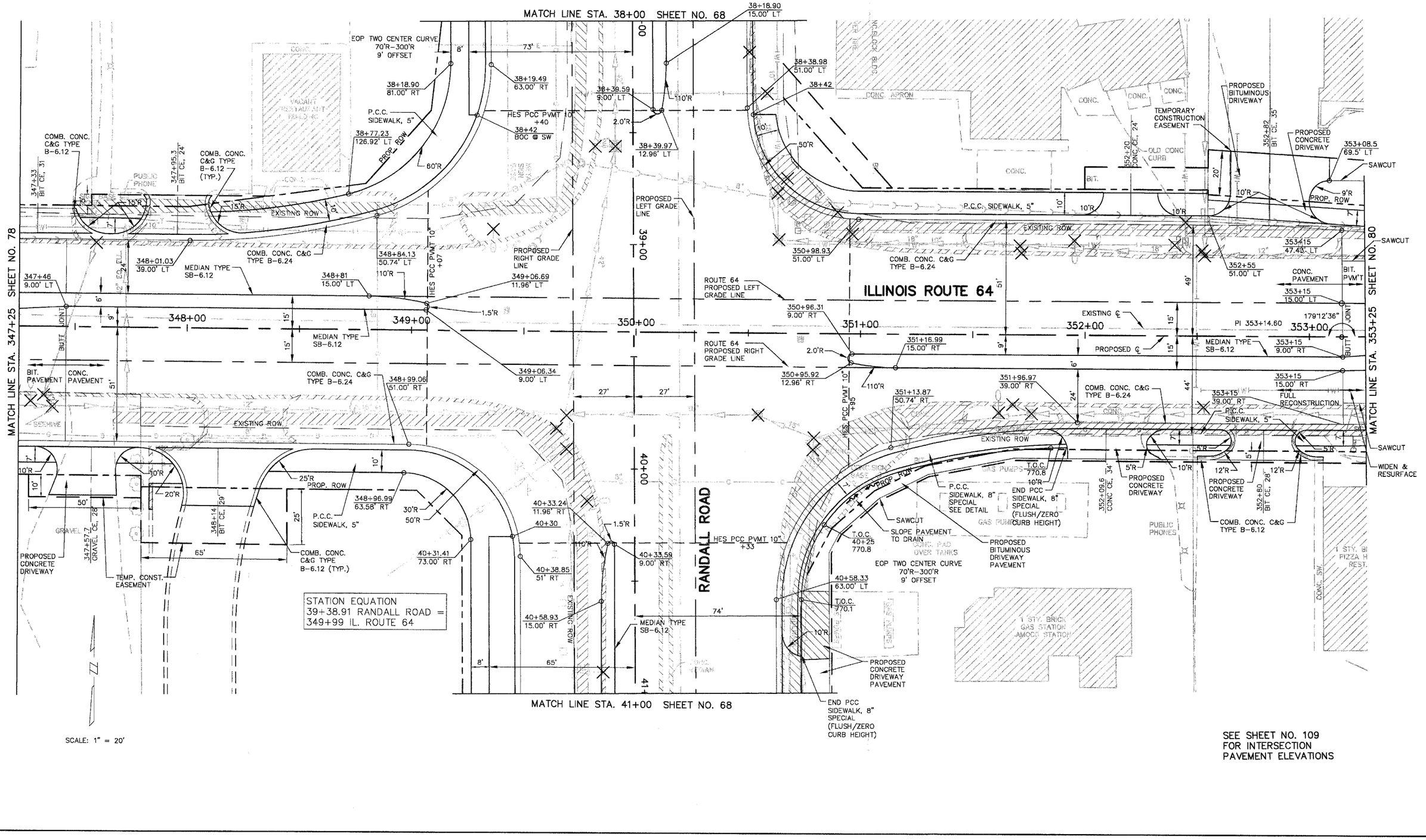
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHT NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	68

PLAN STA. 38+00 TO STA. 41+00
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(00



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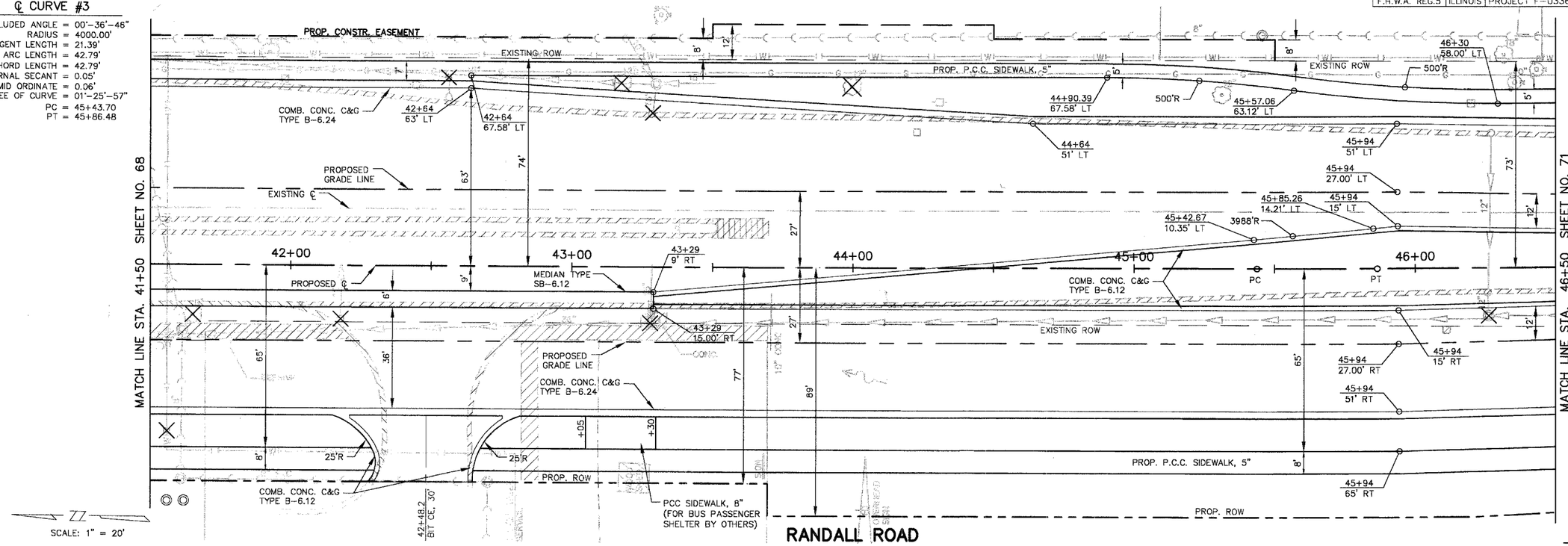
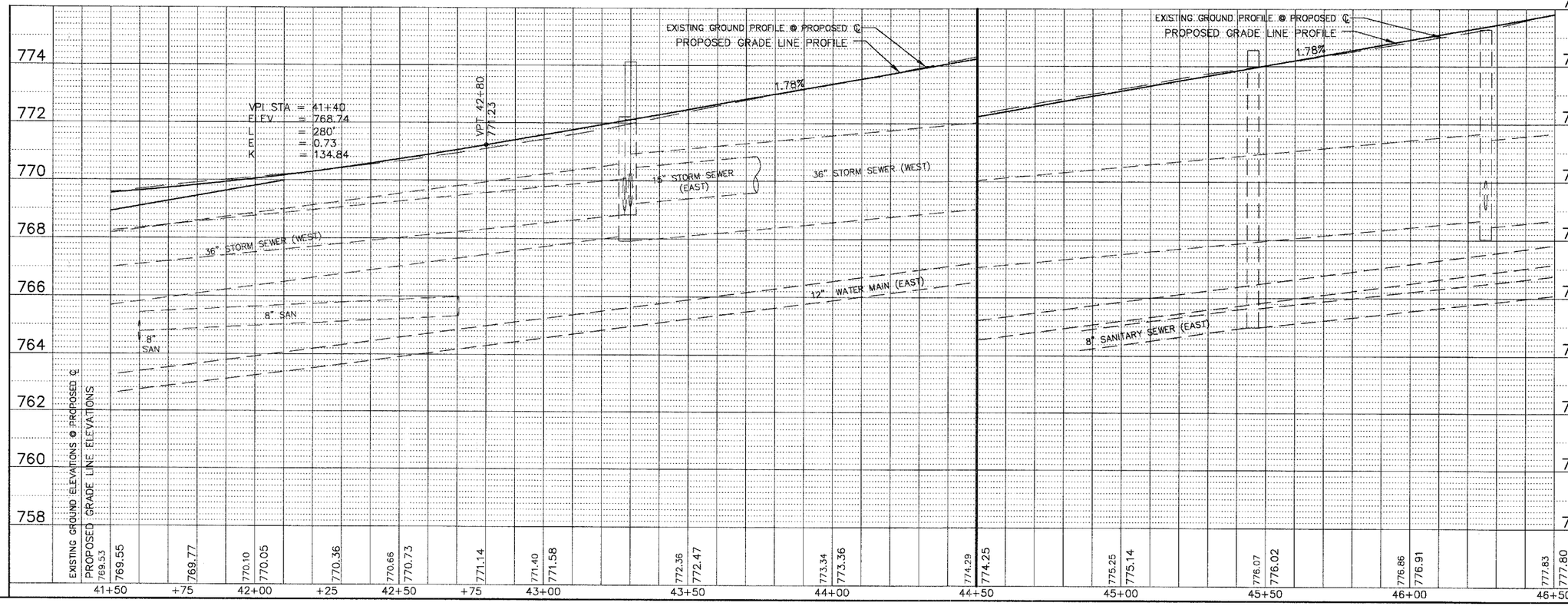
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	7
PLAN & PROFILE STA. 41+50 TO STA. 46+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		

RANDALL ROAD
℄ CURVE #3

INCLUDED ANGLE = 00°-36'-46"
RADIUS = 4000.00'
TANGENT LENGTH = 21.39'
ARC LENGTH = 42.79'
CHORD LENGTH = 42.79'
EXTERNAL SECANT = 0.05'
MID ORDINATE = 0.06'
DEGREE OF CURVE = 01°-25'-57"
PC = 45+43.70
PT = 45+86.48



SCALE: 1" = 20'



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	
PLAN & PROFILE STA. 46+50 TO STA. 51+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

MATCH LINE STA. 46+50 SHEET NO. 70

MATCH LINE STA. 51+50 SHEET NO. 72

PROPOSED CONSTR. EASEMENT

EXISTING ROW

PROP. P.C.C. SIDEWALK, 5"

COMB. CONC. C&G TYPE B-6.24

PROPOSED GRADE LINE

EXISTING ℄

COMB. CONC. C&G TYPE B-6.12

PROPOSED ℄

47+00 48+00 49+00 50+00 51+00

49+09 44' LT

49+09 20' LT

49+09 8' LT

49+09 8' RT

49+09 20' RT

49+09 44' RT

49+58 44' RT

58' 71' 80' 16' 12' 36' 8'

PROP. ROW

SCALE: 1" = 20'

RANDALL ROAD

EXISTING GROUND PROFILE @ PROPOSED ℄

PROPOSED GRADE LINE PROFILE

1.78%

VPC 48+00
780.47

VPI STA = 49+50
ELEV = 783.13
L = 300'
E = 0.48
K = 234.94

VPT 51+00
783.88

0.50%

58" STORM SEWER (WEST)

8" SANITARY SEWER (EAST)

36" STORM SEWER (WEST)

12" WATER MAIN (EAST)

8" SANITARY SEWER (EAST)

780 778 776 774 772 770 768 766 764 762

	46+50	47+00	47+50	48+00	+25	48+50	+75	49+00	+25	49+50	+75	50+00	+25	50+50	+75	51+00	51+50
EXISTING GROUND ELEVATIONS @ PROPOSED ℄	777.83	778.85	779.82	780.67	781.39	781.68	782.03	782.35	782.58	782.92	783.18	783.39	783.62	783.74	783.92	784.18	
PROPOSED GRADE LINE ELEVATIONS	777.80	778.69	779.57	780.46	780.89	781.30	781.99		782.65		783.17		783.58		783.88		784.13

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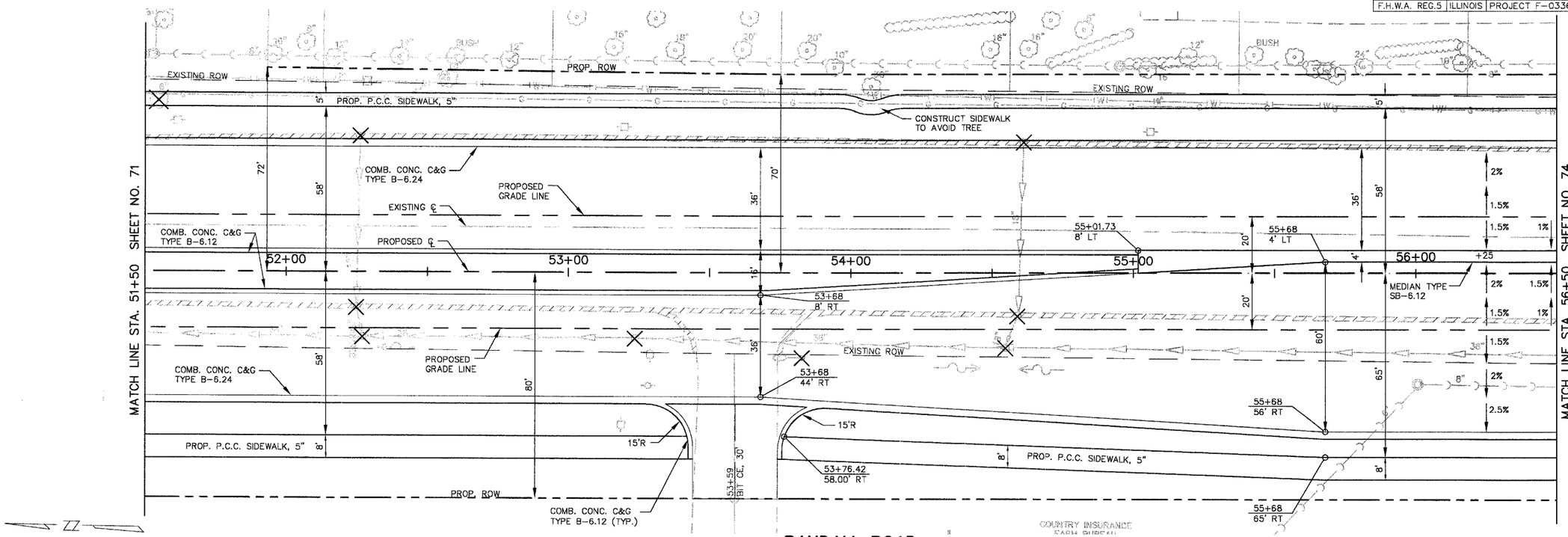
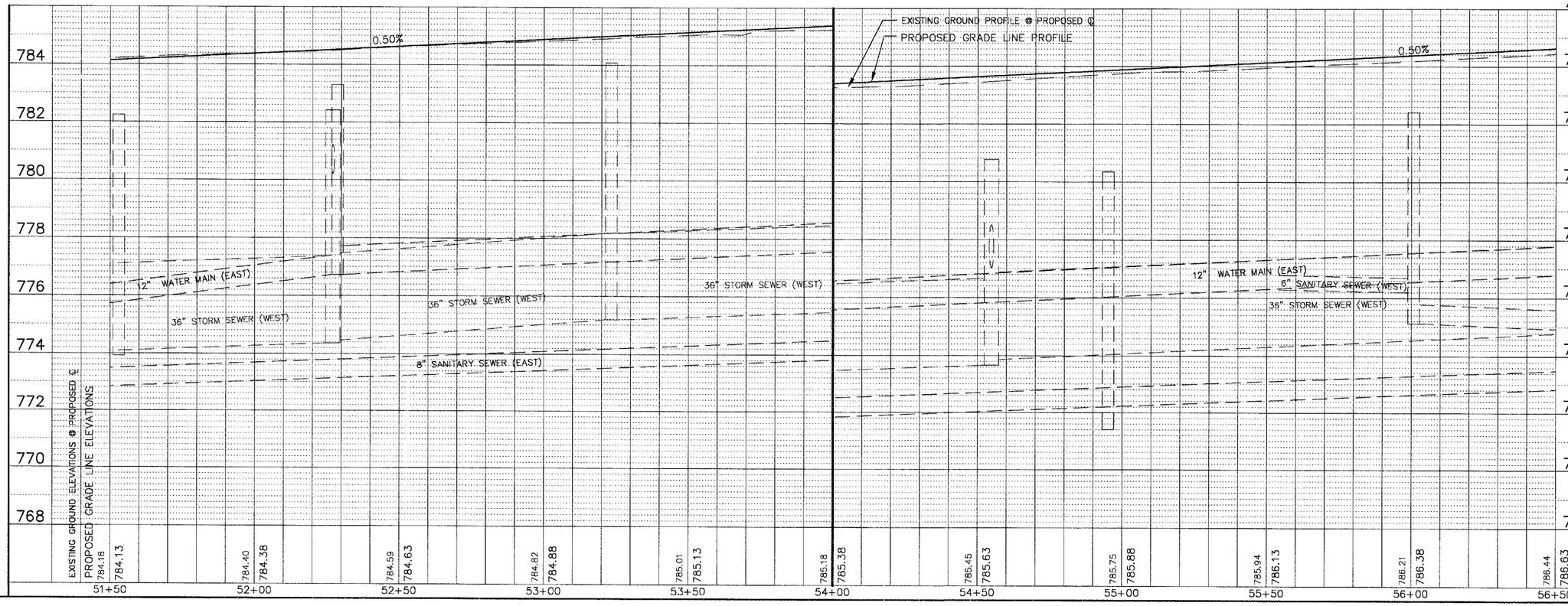
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	N
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	
PLAN & PROFILE STA. 51+50 TO STA. 56+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		





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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH. NO.
336	99-00243-00-PV	KANE	268	
	CONTRACT NO. 83782			

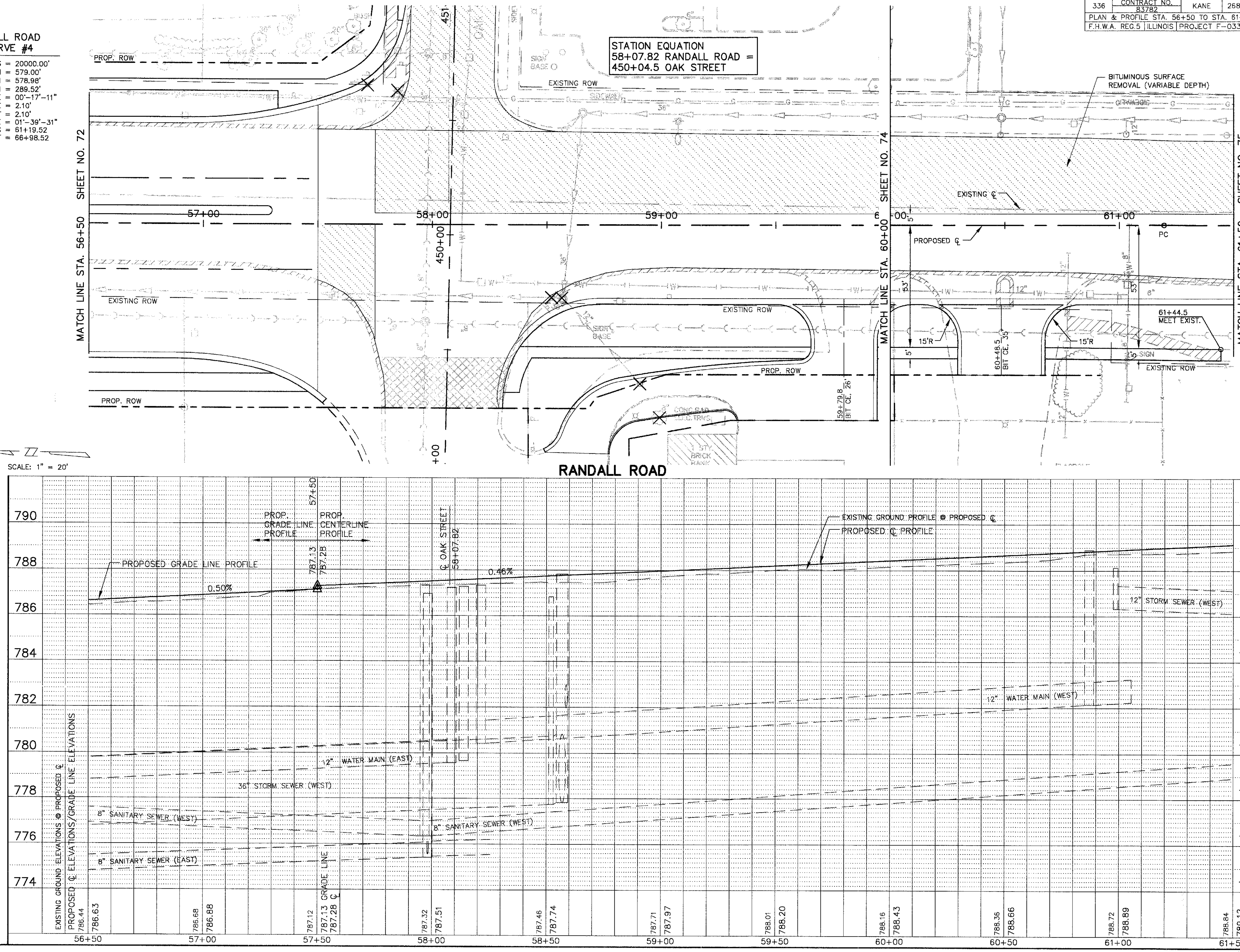
PLAN & PROFILE STA. 56+50 TO STA. 61+50

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

RANDALL ROAD ℄ CURVE #4

RADIUS = 20000.00'
ARC LENGTH = 579.00'
CHORD LENGTH = 578.98'
TANGENT LENGTH = 289.52'
DEGREE OF CURVE = 00°-17'-11"
MID ORDINATE = 2.10'
EXTERNAL SECANT = 2.10'
INCLUDED ANGLE = 01°-39'-31"
PC = 61+19.52
PT = 66+98.52

SCALE: 1" = 20'



STATION EQUATION
58+07.82 RANDALL ROAD =
450+04.5 OAK STREET
MATCH LINE STA. 56+50 SHEET NO. 72
MATCH LINE STA. 60+00 SHEET NO. 74
MATCH LINE STA. 61+50 SHEET NO. 75
PROP. ROW
EXISTING ROW
BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)
EXISTING ℄
PROPOSED ℄
57+00
58+00
59+00
61+00
450+00
PC
61+44.5 MEET EXIST.
60+48.5 BIT CE, 35'
59+79.8 BIT CE, 26'
15'R
RANDALL ROAD
PROP. GRADE LINE PROFILE
PROP. CENTERLINE PROFILE
PROPOSED GRADE LINE PROFILE
EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED ℄ PROFILE
℄ OAK STREET 58+07.82
0.50%
0.46%
787.13
787.28
12" STORM SEWER (WEST)
12" WATER MAIN (WEST)
12" WATER MAIN (EAST)
36" STORM SEWER (WEST)
8" SANITARY SEWER (WEST)
8" SANITARY SEWER (EAST)
790
788
786
784
782
780
778
776
774
EXISTING GROUND ELEVATIONS @ PROPOSED ℄
PROPOSED ℄ ELEVATIONS/GRADE LINE ELEVATIONS
786.44 786.63
786.68 786.88
787.12 787.13 GRADE LINE 787.28 ℄
787.32 787.51
787.46 787.74
787.71 787.97
788.01 788.20
788.16 788.43
788.36 788.66
788.72 788.89
788.84 789.12
56+50
57+00
57+50
58+00
58+50
59+00
59+50
60+00
60+50
61+00
61+50

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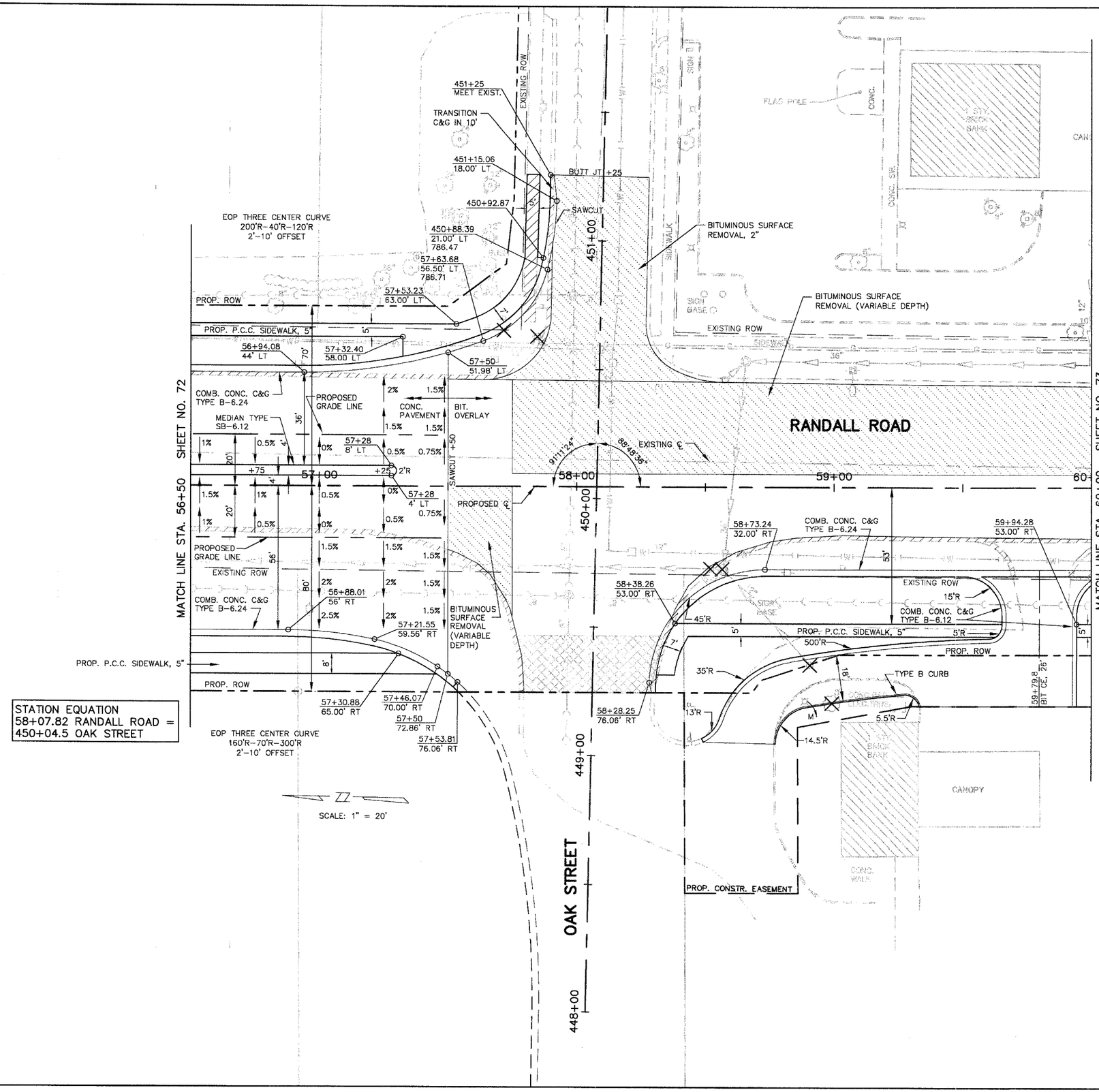
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PLAN STA. 56+50 TO STA. 60+00			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



STATION EQUATION
58+07.82 RANDALL ROAD =
450+04.5 OAK STREET

SCALE: 1" = 20'

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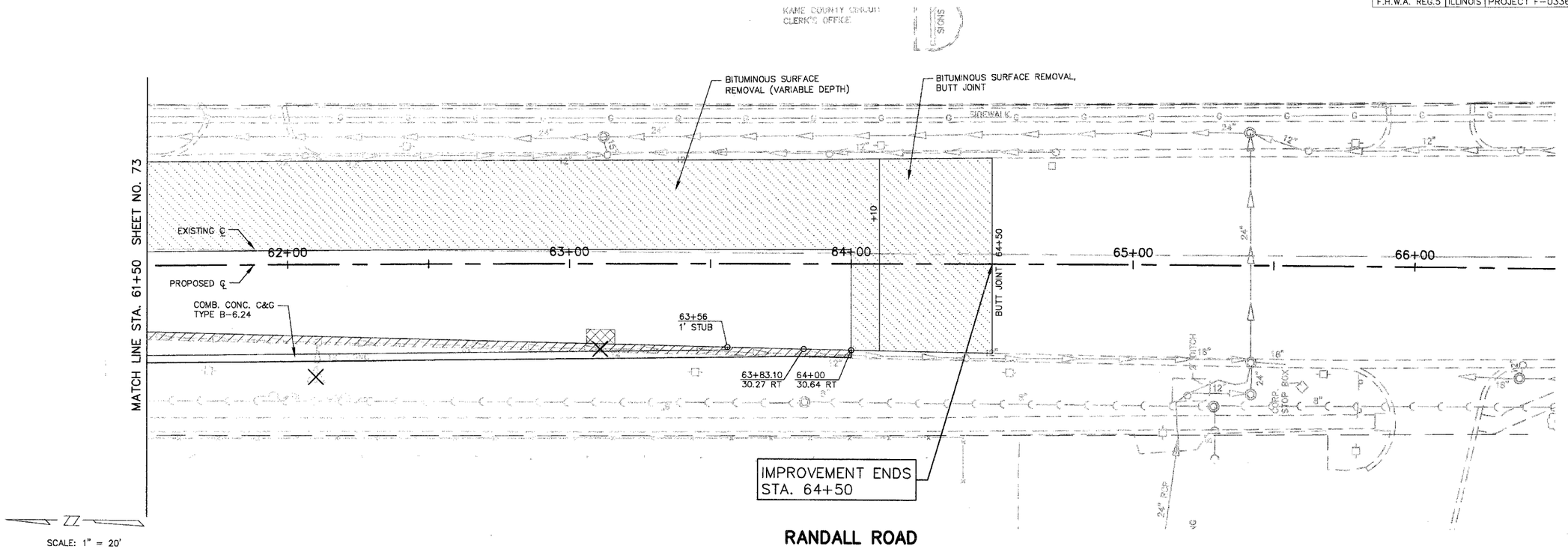
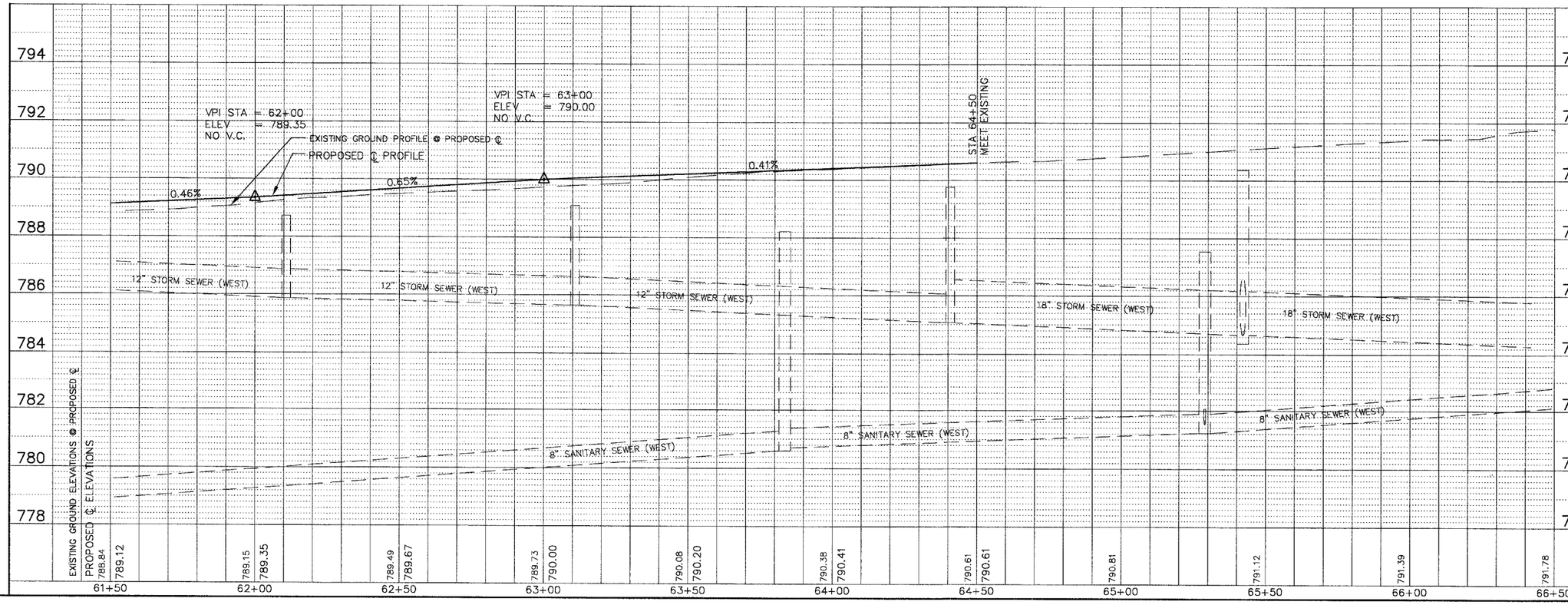
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO
336	99-00243-00-PV	KANE	268	7
	CONTRACT NO. 63782			
PLAN & PROFILE STA. 61+50 TO 66+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		



SCALE: 1" = 20'

RANDALL ROAD



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PLAN & PROFILE STA. 330+00 TO STA. 335+			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

IMPROVEMENT BEGINS STA. 331+60

AGGREGATE SHOULDER

BITUMINOUS SURFACE REMOVAL, 2"

CONTINUE DEPRESSED CURB FROM END OF C&G TO DRIVEWAY

PROP. CONCRETE DRIVEWAY

333+94.4 GRAVEL CE, 27'

PROP. P.C.C. SIDEWALK, 5"

EXISTING ROW

15'R

COMB. CONC. C&G TYPE B-6.12

335+28.2 BIT CE, 26'

PROP. P.C.C. SIDEWALK, 5"

COMB. CONC. C&G TYPE B-6.12 (TYP.)

WATER 12"

331+00 | 332+00 | 500+00 | 333+00 | 334+00 | 335+00 | 336+00 | 337

89°43'20"

24'

65'

58'

333+50 20.00' LT

333+50 20.00' RT

COMB. CONC. C&G TYPE B-6.24

40'

18'

SAWCUT

334+90 20.00' LT

334+95 8.00' LT

PROPOSED ℄

EXISTING ℄

336+75 8.00' LT

CURB & GUTTER TO REMAIN

TRANSITION CURB & GUTTER TO MEET EXIST.

60'

7'

PROP. P.C.C. SIDEWALK, 5"

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)

SIGN WITH LIGHT

OAK STREET

STATION EQUATION
STA. 332+22.46 IL. ROUTE 64 =
STA. 500+00 OAK STREET

SCALE: 1" = 20'

MATCH LINE STA. 337+00 SHEET NO. 77

790

ILLINOIS ROUTE 64

788 | 786 | 784 | 782 | 780 | 778 | 776 | 774 | 772

STA. 331+60 MEET EXIST. ELEV. 787.36

2" BITUMINOUS SURFACE REMOVAL & OVERLAY STA. 331+60 TO STA. 333+50

VPC 333+50 ELEV. 786.46 MEET EXIST.

VPC 334+00 786.24

-0.44%

EXISTING ℄ PROFILE

PROPOSED ℄ PROFILE

VPI STA = 335+50
ELEV = 785.58
L = 300'
F = -0.36
K = 312.50

-1.40%

8" WATER MAIN (SOUTH)

16" WATER MAIN (SOUTH)

8" SAN. SEWER (NORTH)

10" SANITARY SEWER (NORTH)

	EXISTING ℄ ELEVATIONS	PROPOSED ℄ ELEVATIONS
330+80		787.87
331+00		787.72
331+50		787.40
STA. 331+60		787.36
332+00		787.15
		787.15
332+50		786.96
		786.96
333+00		786.72
		786.72
333+50		786.46
		786.46
334+00		786.24
		786.24
334+50		786.12
		785.92
		785.98
335+00		785.82
		785.57
		785.64
335+50		785.44
		785.22
		785.22
+75		784.98
336+00		784.70
		784.72
+25		784.44
336+50		784.16
		784.14
+75		783.82
337+00		783.51
		783.48

790

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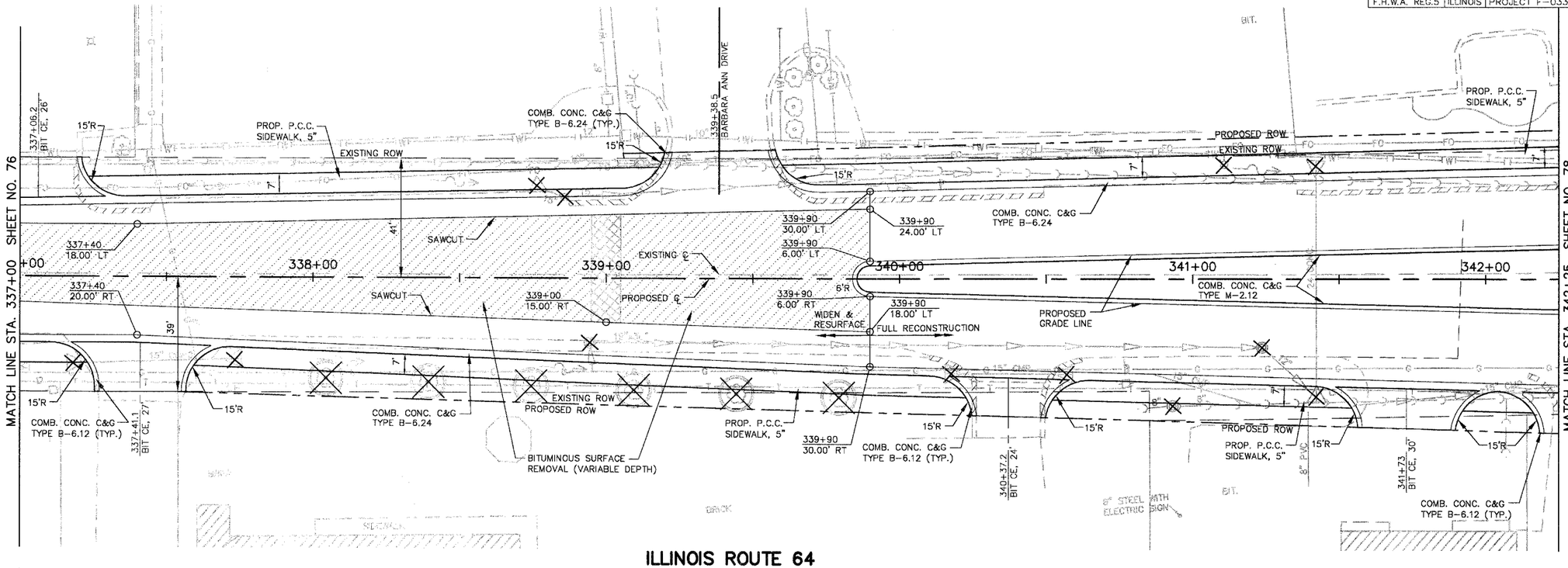
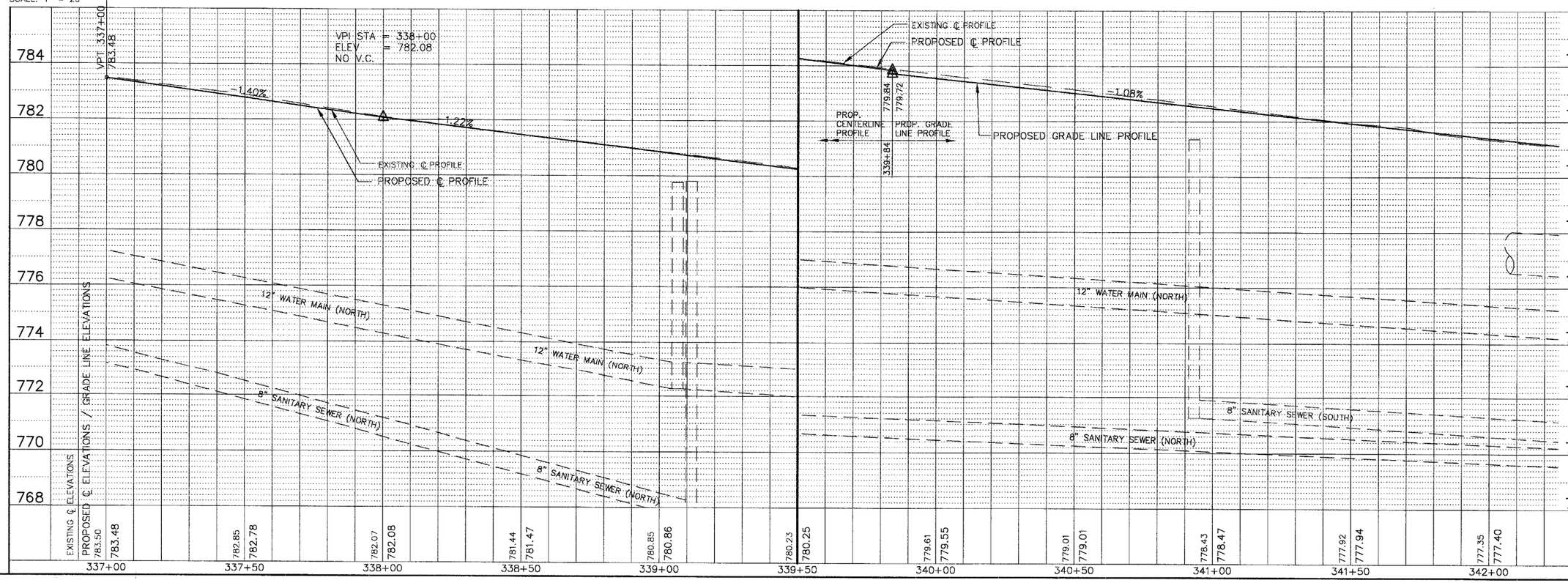
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
PLAN & PROFILE STA. 353+50 TO STA. 341+			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-03.36(0	



ILLINOIS ROUTE 64

SCALE: 1" = 20'



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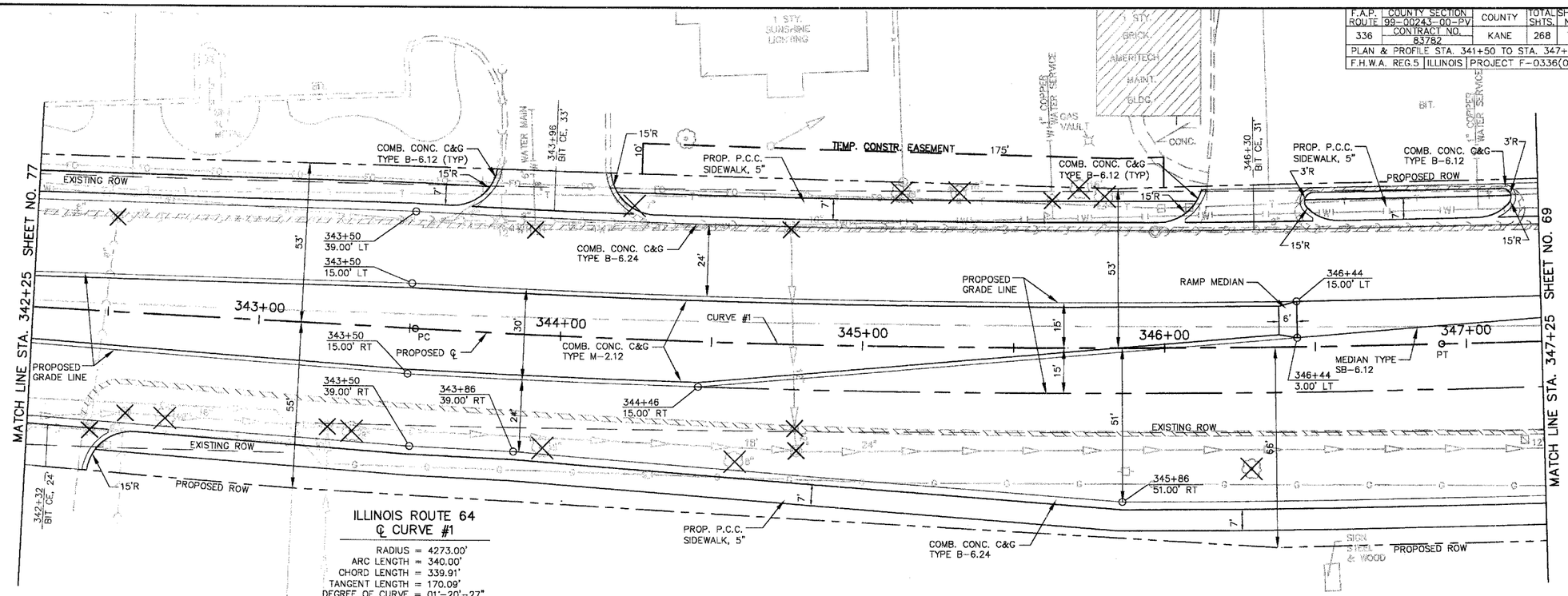
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268
PLAN & PROFILE STA. 341+50 TO STA. 347+			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

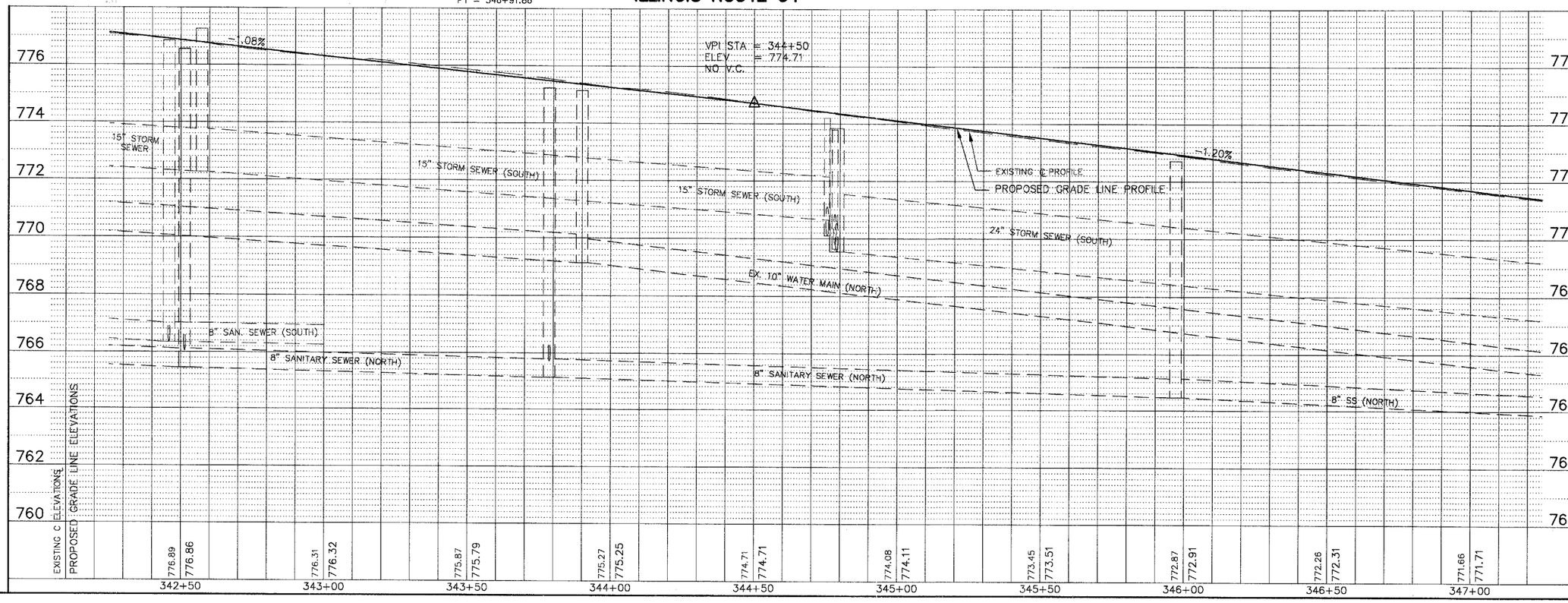


ILLINOIS ROUTE 64
℄ CURVE #1

RADIUS = 4273.00'
ARC LENGTH = 340.00'
CHORD LENGTH = 339.91'
TANGENT LENGTH = 170.09'
DEGREE OF CURVE = 01°-20'-27"
MID ORDINATE = 3.38'
EXTERNAL SECANT = 3.38'
INCLUDED ANGLE = 04°-33'-32"
PC = 343+51.85
PT = 346+91.86

SCALE: 1" = 20'

ILLINOIS ROUTE 64



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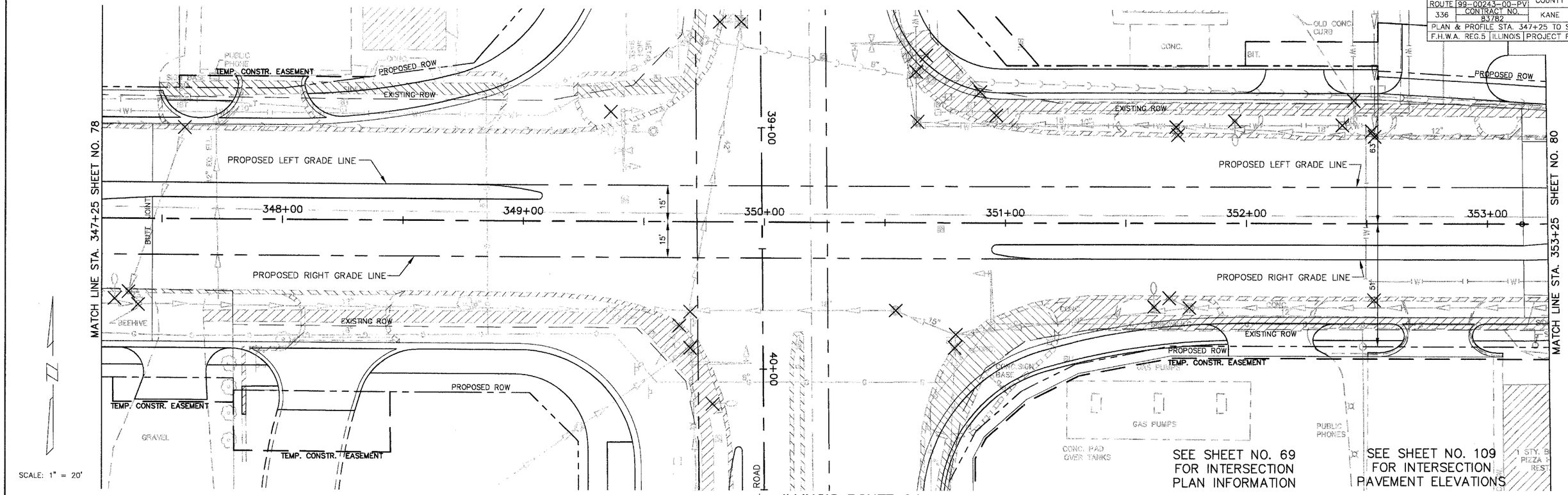
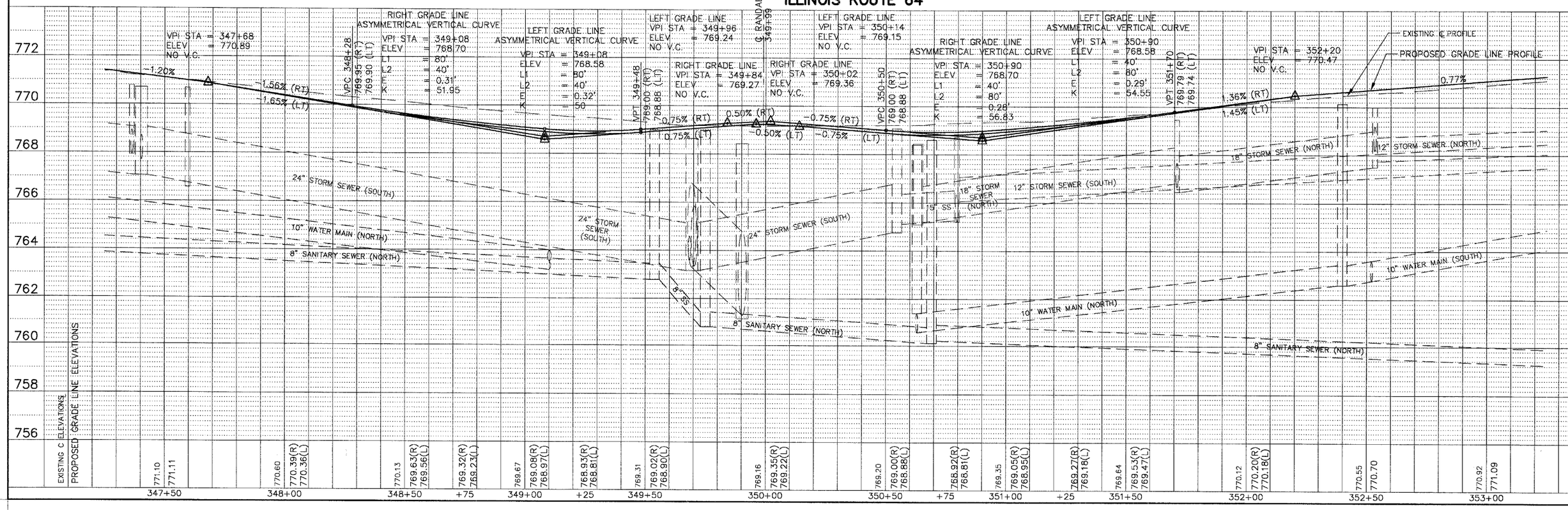
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHT. NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	78
PLAN & PROFILE STA. 347+25 TO STA. 353+25				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(00		





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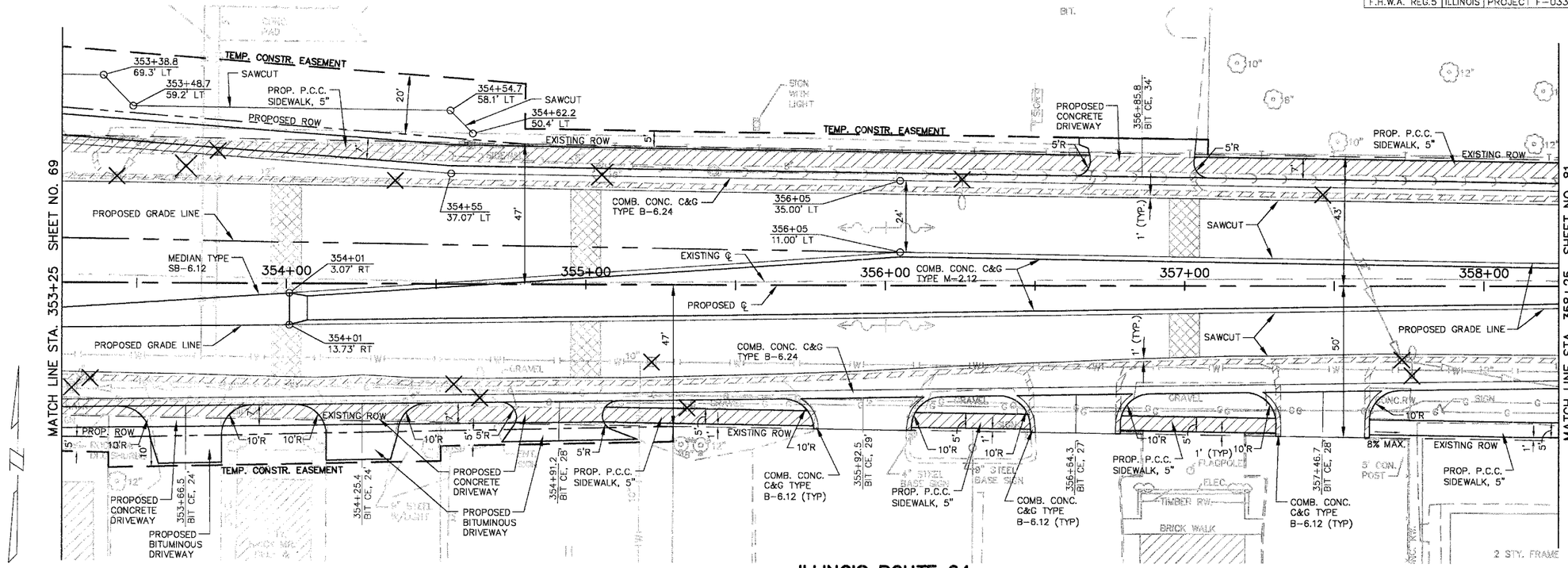
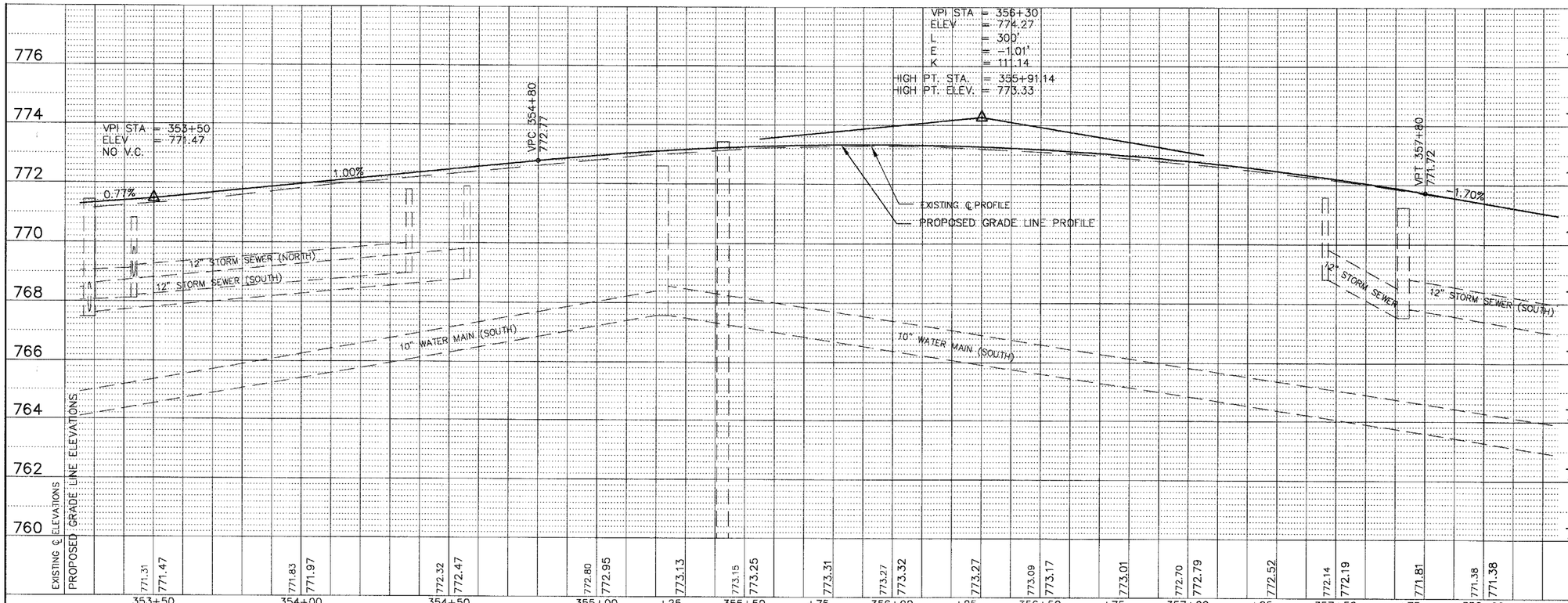
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83752	KANE	268

PLAN & PROFILE STA. 353+25 TO STA. 358+
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0



ILLINOIS ROUTE 64

SCALE: 1" = 20'



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	N
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	
PLAN & PROFILE STA. 358+50 TO STA. 363+				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

MATCH LINE STA. 358+25 SHEET NO. 80

IMPROVEMENT ENDS STA. 364+25

EXISTING ROW
PROP. P.C.C. SIDEWALK, 5"
PROPOSED CONCRETE DRIVEWAY
360+47.5 BIT CE, 35'
DEC. PLANTER
CONC. LIGHT PED.
361+18 MEET EXIST.
SIDEWALK
COMB. CONC. C&G TYPE M-2.12
COMB. CONC. C&G TYPE B-6.24
358+46.94 7.21' LT
358+73.95 1.23' RT
359+88 29.00' LT
361+08 26.00' LT
SAWCUT
50'R
EXISTING ℄
PROPOSED ℄
179°00'04"
PI 359+87.52
359+00
360+00
361+00
362+00
363+00
89°31'43"
3'R
358+54.55 30.98' RT
358+72.25 6.72' RT
359+36.51 29.76' RT
359+88 29.00' RT
361+08 26.00' RT
30'R
15'R
12'R
88'
57'
40'
358+96.6 19TH ST.
359+06.96 59.15' RT
358+84.99 61.20' RT
359+94 BIT CE, 23'
360+50.7 BIT CE, 28'
PROP. STABILIZED DRIVEWAY
PROP. CONCRETE DRIVEWAY
COMB. CONC. C&G TYPE B-6.12 (TYP)
COMB. CONC. C&G TYPE B-6.12 (TYP.)
BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)
BITUMINOUS SURFACE REMOVAL, 2"
SIGN

NOTE:
2" BITUMINOUS SURFACE REMOVA
AND OVERLAY FROM STA. 361+1
TO STA. 364+25.

SCALE: 1" = 20'

ILLINOIS ROUTE 64

PROP. GRADE LINE PROFILE
PROP. CENTERLINE PROFILE
1.70%
-1.70%
-2.12%
358+76
770.05
770.25
VPI STA. = 360+78
ELEV = 766.81
NO V.C.
STA. 361+18
765.96
MEET EXISTING
12" STORM SEWER (SOUTH)
15" STORM SEWER (SOUTH)
10" WATER MAIN (SOUTH)
8" SANITARY SEWER (NORTH)
12" WATER MAIN (SOUTH)
24" STOR
EXISTING ℄ PROFILE
PROPOSED ℄ PROFILE
2" BITUMINOUS SURFACE REMOVAL & OVERLAY STA. 361+18 TO STA. 364+25
PROPOSED & EXISTING ℄ PROFILE

770
768
766
764
762
760
758
756
754

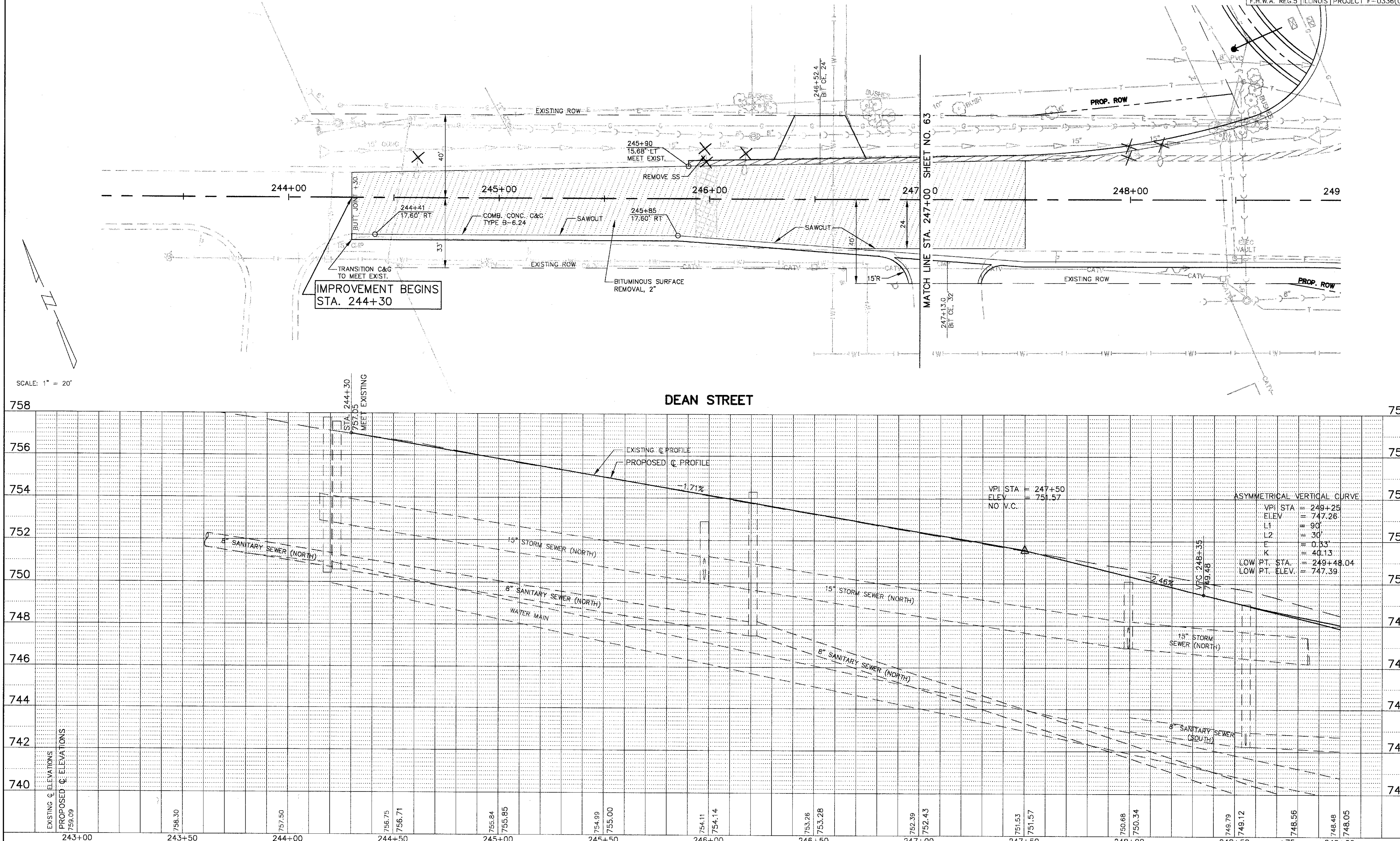
EXISTING ℄ ELEVATIONS
PROPOSED ℄ ELEVATIONS AND GRADE LINE ELEVATIONS

358+50	359+00	359+50	360+00	360+50	361+00	361+50	362+00	362+50	363+00
770.52 / 770.53	769.67 / 769.84	768.83 / 768.99	768.00 / 768.14	767.11 / 767.29	766.27 / 766.34	765.41 / 765.41	764.56 / 764.56	763.70 / 763.70	762.80 / 762.80

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268

PLAN & PROFILE STA. 244+30 TO STA. 247+

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(


EXISTING ROW
PROP. ROW
244+00
245+00
246+00
247+00
248+00
249
245+90
15.68' LT
MEET EXIST.
REMOVE SS
244+41
17.60' RT
COMB. CONC. C&G
TYPE B-6.24
SAWCUT
245+85
17.60' RT
BUTT JOINT +30
TRANSITION C&G
TO MEET EXIST.
IMPROVEMENT BEGINS
STA. 244+30
BITUMINOUS SURFACE
REMOVAL, 2"
246+52.4
BIT CE, 24'
MATCH LINE STA. 247+00 SHEET NO. 63
247+13.0
BIT CE, 32'
15'R
ELEC VAULT
CATV
N
SCALE: 1" = 20'
DEAN STREET
STA. 244+30
757.05
MEET EXISTING
EXISTING ℄ PROFILE
PROPOSED ℄ PROFILE
-1.71%
VPI STA = 247+50
ELEV = 751.57
NO V.C.
ASYMMETRICAL VERTICAL CURVE
VPI STA = 249+25
ELEV = 747.26
L1 = 90'
L2 = 30'
E = 0.33'
K = 40.13
LOW PT. STA. = 249+48.04
LOW PT. ELEV. = 747.39
VPC 248+35
749.48
-2.46%
8" SANITARY SEWER (NORTH)
15" STORM SEWER (NORTH)
WATER MAIN
8" SANITARY SEWER (SOUTH)
758
756
754
752
750
748
746
744
742
740
EXISTING ℄ ELEVATIONS
PROPOSED ℄ ELEVATIONS
759.09
758.30
757.50
756.75 756.71
755.84 755.85
754.99 755.00
754.11 754.14
753.26 753.28
752.39 752.43
751.53 751.57
750.68 750.34
749.79 749.12
748.56
748.48 748.05
243+00
243+50
244+00
244+50
245+00
245+50
246+00
246+50
247+00
247+50
248+00
248+50
+75
249+00

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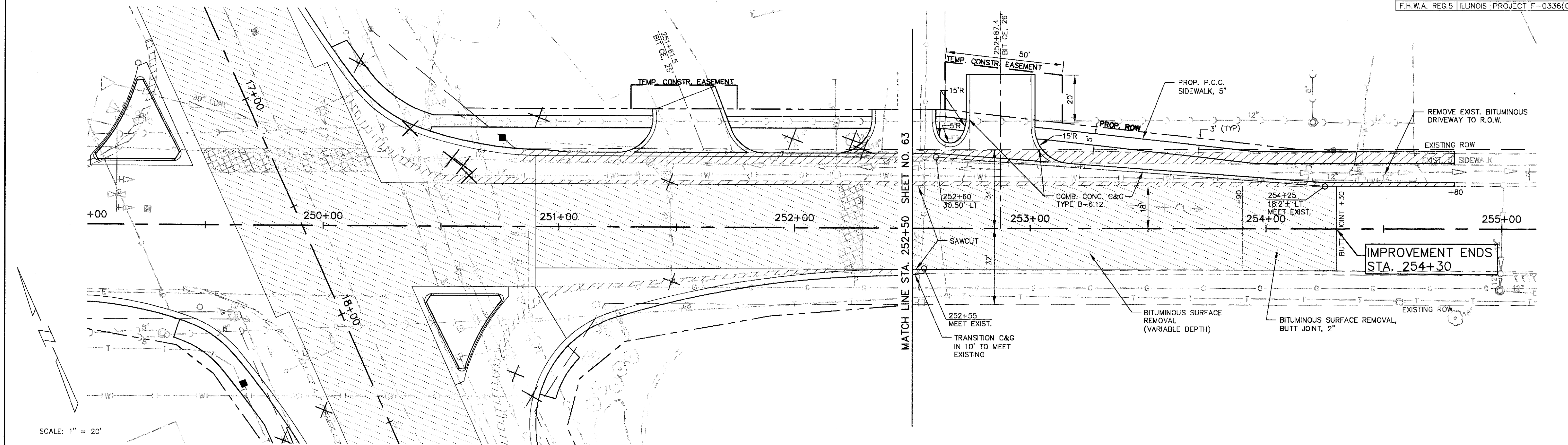
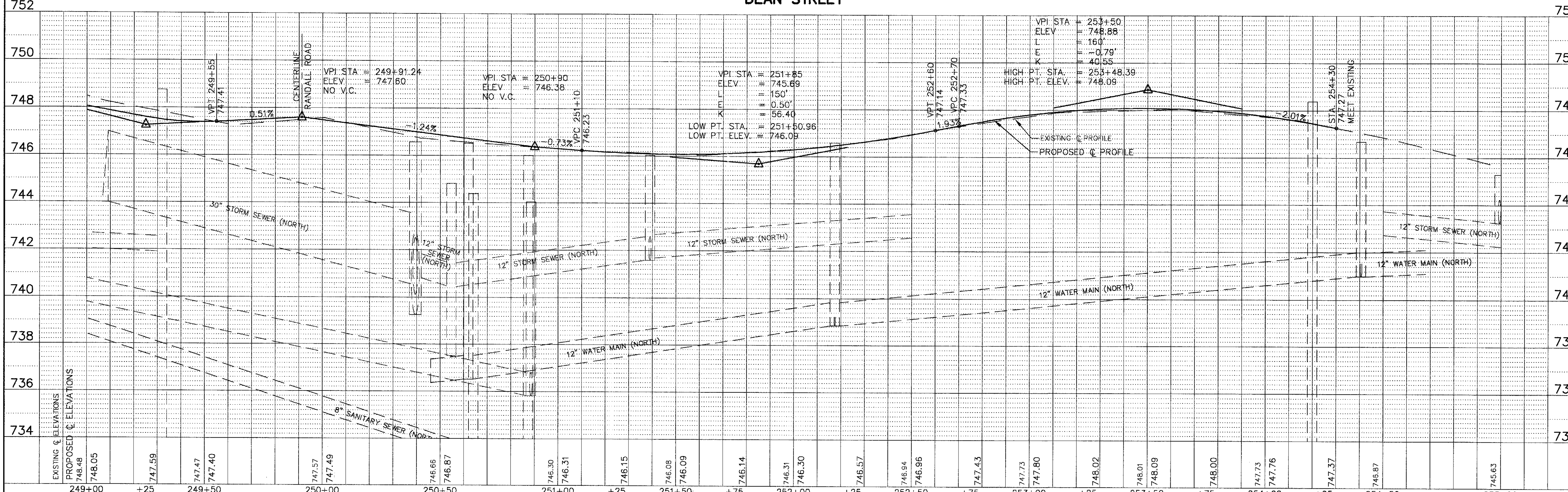
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH
	99-00243-00-PV			
336	CONTRACT NO. 83782	KANE	268	
PLAN & PROFILE STA. 252+50 TO STA. 254+				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(C		



DEAN STREET



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
UTILITY PLAN STA. 5+50 TO 10+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

RED HAW LANE

CAP & BLOCK

ABANDON WATER MAIN

0+00 1+00 2+00 3+00 4+00 5+00

ROADWAY IMPROVEMENT BEGINS STA. 1+00

FUTURE WATER MAIN BY OTHERS

MATCH LINE STA. 5+50 SHEET NO. 85

RANDALL ROAD

SCALE: 1" = 20'

PROPOSED & EXISTING ℄ PROFILE

12" WATER MAIN (EAST)

2" WATER MAIN (EAST)

FUTURE WATER MAIN BY OTHERS

	0+00	0+50	1+00	1+50	2+00	2+50	3+00	3+50	4+00	4+50	5+00	5+50
EXISTING ℄ ELEVATIONS	828.41	828.00	827.18	826.10	824.84	823.32	821.42	819.26	816.88	814.21	811.25	808.06
PROPOSED ℄ ELEVATIONS	828.41	828.00	827.18	826.10	824.84	823.32	821.42	819.26	816.88	814.21	811.25	808.06

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SHT. NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	85
UTILITY PLAN STA. 5+50 TO 10+50				
F.H.W.A. REG. 5	ILLINOIS	PROJECT F-0336(0		

DRAINAGE STRUCTURE TABLE STA. 5+50 TO STA. 10+50

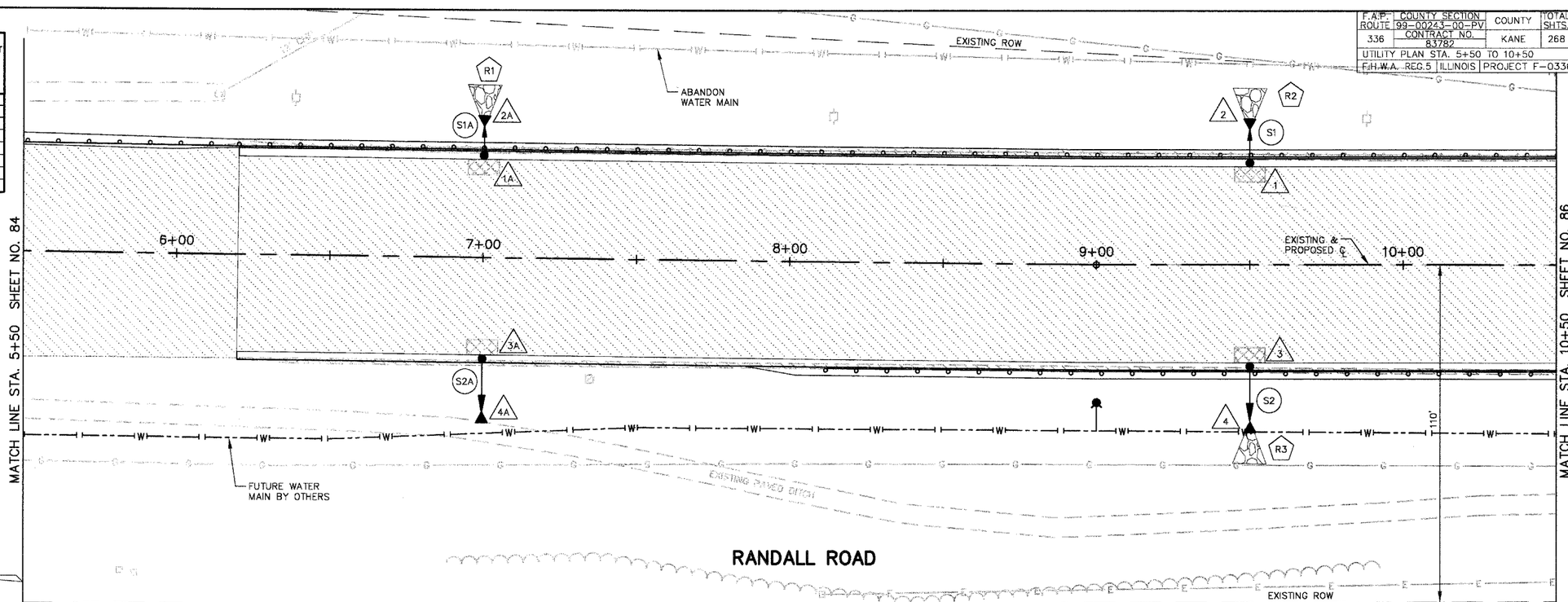
NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
1A	7+00	32' LT		A 4			24	797.01			792.73	
2A	7+00	46' LT				PRC FES 12					792.60	
3A	7+00	32' RT		C 2			24	797.01				794.69
4A	7+00	54' RT				PRC FES 12						794.60
1	9+50	32' LT		A 4			24	779.56			775.84	
2	9+50	47' LT				PRC FES 12					775.70	
3	9+50	32' RT		A 4			24	779.56				776.16
4	9+50	55' RT				PRC FES 12						776.00

PIPE TABLE STA. 5+50 TO STA. 10+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S1A	1A	2A	SS 1 RCCP IV	12	7	1.00	2	0.7
S2A	3A	4A	SS 1 RCCP IV	12	15	0.44	2	0.3
S1	1	2	SS 1 RCCP IV	12	8	1.00	2	0.6
S2	3	4	SS 1 RCCP IV	12	16	0.73	2	0.5

ROCK OUTLET PROTECTION TABLE STA. 5+50 TO STA. 10+50

NO.	ASSOCIATED STRUCTURE OUTLET NO.	ROCK GRADATION	DEPTH (IN.)	WIDTH 1 (FT.)	WIDTH 2 (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
R1	2A	3	15	3	11	10	8
R2	2	3	15	3	11	10	8
R3	4	3	15	3	11	10	8



DRAINAGE STRUCTURE TABLE STA. 10+50 TO STA. 15+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	PRC FES (IN. DIA.)	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
5	10+90	82' RT				24 EQ ELL	GRATE		759.80			
6	11+10	96' RT	A 5				1C	763.50	759.56	757.13		
7	11+95	71' RT				24 EQ ELL	GRATE			756.25		
8	10+95	63' LT				18 EQ ELL	GRATE		757.20			
9	11+05	83' LT	A 5				1C	759.60	756.92	754.55		
10	11+50	83' LT	A 5				1C	755.75	753.29	759.29		
10A	11+70	49' LT	A 4				1C	761.40	752.87	752.87		
11	12+00	32' LT		A 4			24	764.20			754.40	
12	12+00	49' LT	A 4				1C	760.70	752.34	752.24		754.24
13	12+00	32' RT		A 4			24	764.20				760.20
14	12+00	55' RT				12						760.00
15	NOT	USED										
16	13+50	62.5' RT				24	GRATE		752.75			
17	13+85	65' RT				24	GRATE			752.40		
18	NOT	USED										
19	14+50	32' LT		A 4			24	753.45	748.95			
19A	14+50	47' LT	A 4				1C	754.00	747.86	747.76		748.81
20	14+50	42.67'RT		A 4			24	753.18				750.52
21	14+50	59' RT				12						750.45
22	NOT	USED										
23	NOT	USED										

ROCK OUTLET PROTECTION TABLE STA. 10+50 TO STA. 15+50

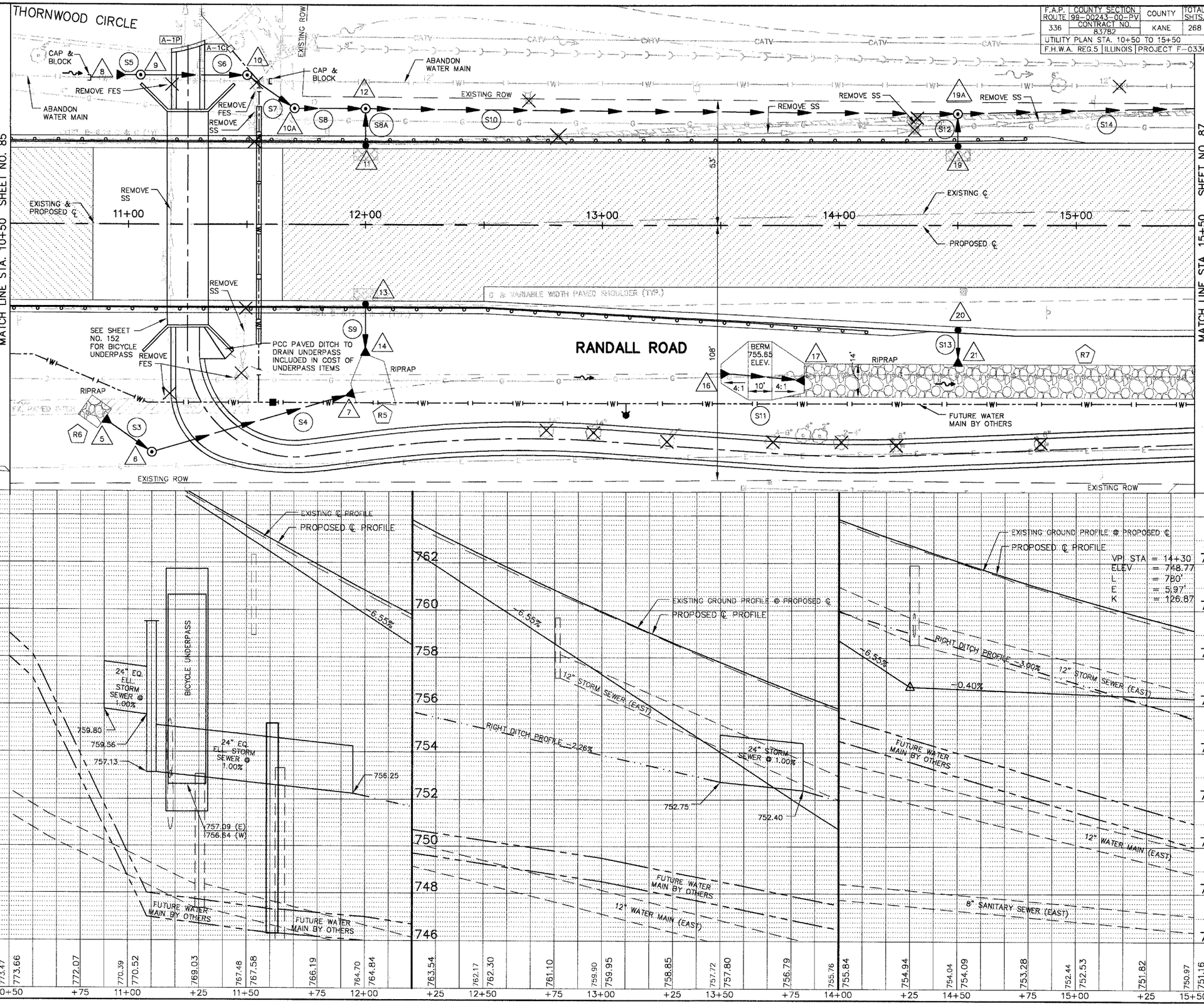
NO.	ASSOCIATED STRUCTURE OUTLET NO.	ROCK GRADATION	DEPTH (IN.)	WIDTH 1 (FT.)	WIDTH 2 (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
R4	NOT USED						
R5	14	4	20	19 (Avg)		19 (Avg)	32
R6*	5	4	20	10	10	10	12
R7	17	4	20	14	14	215	335

* MEET EXISTING PAVED DITCH

PIPE TABLE STA. 10+50 TO STA. 15+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S3	5	6	SS 1 RCCP IV	24 EQ ELL	18	1.00		
S4	6	7	SS 1 RCCP IV	24 EQ ELL	82	1.00	28	4.1
S5	8	9	SS 1 RCCP IV	18 EQ ELL	4	2.80		
S6	9	10	SS 1 RCCP IV	18 EQ ELL	45	2.80	18	11.6
S7	10	10A	SS 2 RCCP IV	18 EQ ELL	24	1.75		
S8	10A	12	SS 2 RCCP IV	18	30	1.75		
S8A	11	12	SS 2 RCCP IV	12	16	1.00	2	2.5
S9	13	14	SS 1 RCCP IV	12	16	1.00	2	0.6
S10	12	19A	SS 2 RCCP IV	18	250	1.75		
S11	16	17	SS 1 RCCP IV	24	23	1.00		
S12	19	19A	SS 2 RCCP IV	12	14	1.00	2	1.3
S13	20	21	SS 1 RCCP IV	12	9	0.47	2	0.5
S14	19A	25	SS 2 RCCP IV	18	150	2.75		

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
UTILITY PLAN STA. 10+50 TO 15+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(C	



SCALE: 1" = 20'

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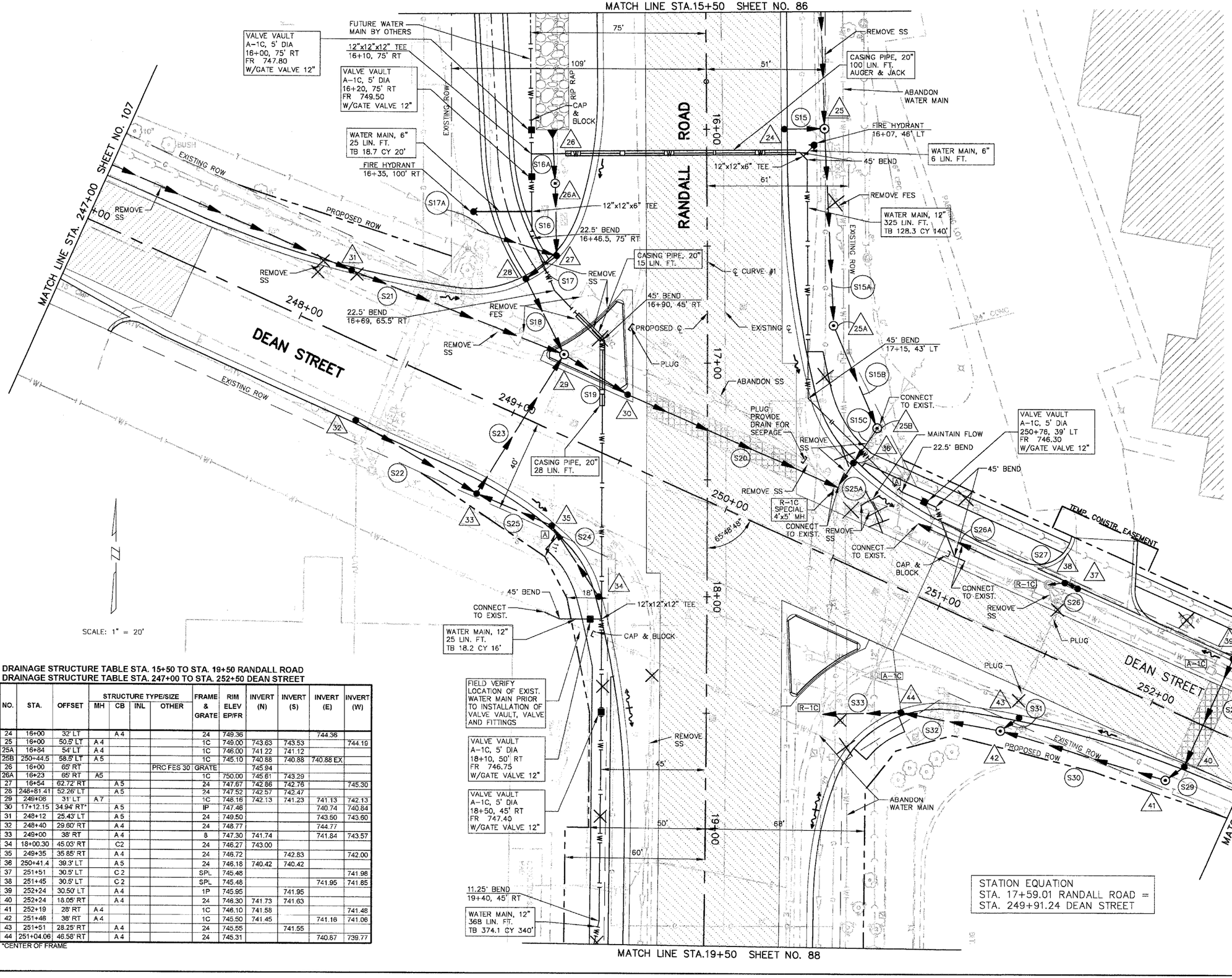
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
UTILITY PLAN STA. 15+50 TO STA. 19+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



RANDALL ROAD ℄ CURVE #1

INCLUDED ANGLE = 01°-32'-13"
RADIUS = 17520.00'
TANGENT LENGTH = 234.98'
ARC LENGTH = 469.93'
CHORD LENGTH = 469.92'
EXTERNAL SECANT = 1.58'
MID ORDINATE = 1.58'
DEGREE OF CURVE = 00°-19'-37"
PC STA. = 15+79.77
PT STA. = 20+49.70

PIPE TABLE STA. 15+50 TO STA. 19+50 RANDALL ROAD
PIPE TABLE STA. 247+00 TO STA. 252+50 DEAN STREET

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S15	24	25	SS 2 RCCP IV	12	17	1.00	2	1.4
S15A	25	25A	SS 2 RCCP IV	18	84	2.75		
S15B	25A	25B	SS 2 RCCP IV	18	47	0.50		
S15C	25B	36	SS 1 RCCP IV "O" RING	24	18	2.52	10	6.8
S16	28A	27	SS 1 RCCP IV	30	30	1.43	5	4.2
S16A	26	26A	SS 1 RCCP IV "O" RING	30	17	1.43		
S17	27	28	SS 1 RCCP IV "O" RING	30	19	1.00	19	2.4
S17A	EX	27	SS 1 PVC	8	35	5.00	30	4.2
S18	28	29	SS 1 RCCP IV	30	34	1.00	34	7.7
S19	29	30	SS 2 RCCP IV	42	32	0.90	32	33.3
S20	30	EX	SS 2 RCCP IV	42	99	0.90	99	49.7
S21	31	29	SS 2 RCCP IV	30	96	1.43	96	34.8
S22	32	33	SS 1 RCCP IV	12	60	2.00	30	9.0
S23	33	29	SS 2 RCCP IV	12	69	0.74	69	25.0
S24	34	35	SS 2 RCCP IV "O" RING	12	37	0.46	37	10.3
S25	35	33	SS 2 RCCP IV	12	35	0.46	16	10.6
S25A	36	EX	SS 2 RCCP IV	24	12	2.52	12	11.1
S26	37	38	SS 1 RCCP IV	12	6	0.44	6	0.8
S26A	EX	EX	SS 1 RCCP IV "O" RING	12	35	EX	35	11.2
S27	38	EX	SS 1 RCCP IV	12	6	0.44	6	0.8
S28	39	40	SS 2 RCCP IV	12	50	0.44	50	9.7
S29	40	41	SS 2 RCCP IV	12	10	0.50	3	1.2
S30	41	42	SS 2 RCCP IV	12	73	0.44		
S31	43	42	SS 1 RCCP IV	12	10	1.00	8	1.0
S32	42	44	SS 2 RCCP IV	12	42	0.45	8	2.9
S33	44	EX	SS 2 RCCP IV	12	34	1.00	34	9.8

DRAINAGE STRUCTURE TABLE STA. 15+50 TO STA. 19+50 RANDALL ROAD
DRAINAGE STRUCTURE TABLE STA. 247+00 TO STA. 252+50 DEAN STREET

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
24	16+00	32' LT		A 4			24	749.36			744.36	
25	16+00	50.5' LT	A 4				1C	749.00	743.63	743.53		744.19
25A	16+84	54' LT	A 4				1C	746.00	741.22	741.12		
25B	250+44.5	58.5' LT	A 5				1C	745.10	740.88	740.88	740.88 EX	
26	16+00	65' RT				PRC FES 30	GRATE		745.94			
26A	16+23	65' RT	A5				1C	750.00	745.61	743.29		
27	16+54	62.72' RT		A 5			24	747.67	742.86	742.76		745.30
28	248+81.41	52.26' LT		A 5			24	747.52	742.57	742.47		
29	248+08	31' LT	A 7				1C	748.16	742.13	741.23	741.13	742.13
30	17+12.15	34.94' RT*		A 5			IP	747.46			740.74	740.84
31	248+12	25.43' LT		A 5			24	749.50			743.50	743.60
32	248+40	29.60' RT		A 4			24	748.77			744.77	
33	249+00	38' RT		A 4			8	747.30	741.74		741.84	743.57
34	18+00.30	45.03' RT		C2			24	746.27	743.00			
35	249+35	35.85' RT		A 4			24	746.72		742.83		742.00
36	250+41.4	39.3' LT		A 5			24	746.18	740.42	740.42		
37	251+51	30.5' LT		C 2			SPL	745.48				741.98
38	251+45	30.5' LT		C 2			SPL	745.48			741.95	741.85
39	252+24	30.50' LT		A 4			1P	745.95		741.95		
40	252+24	18.05' RT		A 4			24	746.30	741.73	741.63		
41	252+19	28' RT	A 4				1C	746.10	741.58			741.48
42	251+46	38' RT	A 4				1C	745.50	741.45		741.16	741.06
43	251+51	28.25' RT		A 4			24	745.55		741.55		
44	251+04.06	46.58' RT		A 4			24	745.31			740.87	739.77

*CENTER OF FRAME

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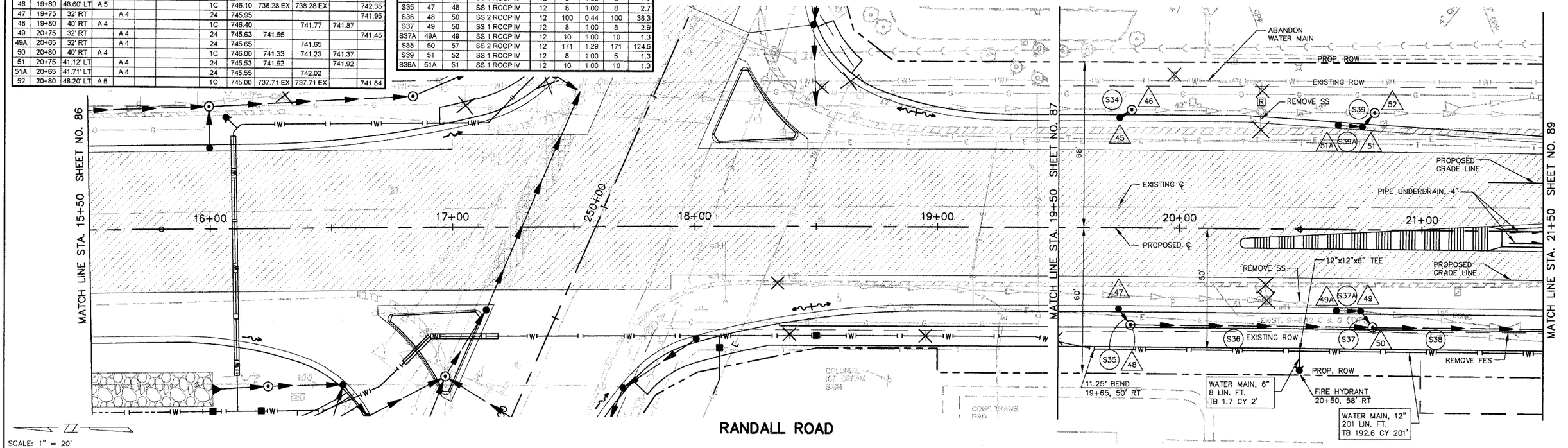
DRAINAGE STRUCTURE TABLE STA. 19+50 TO STA. 21+50

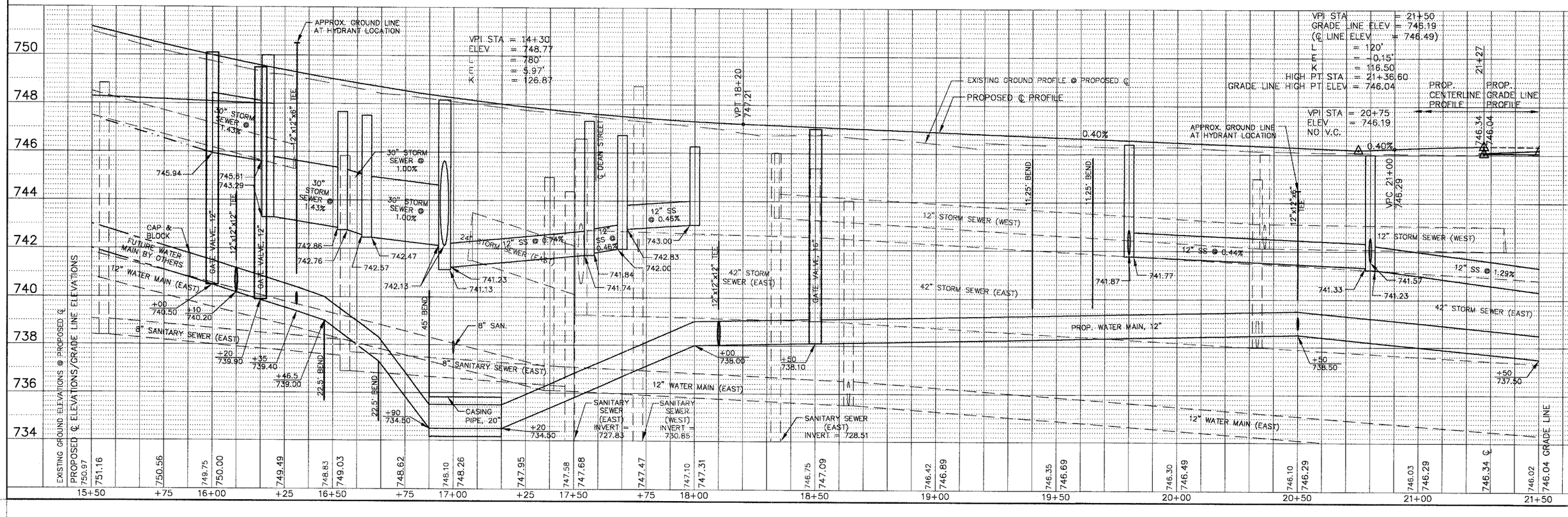
NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
45	19+75	44' LT		C 2			24	745.83			742.41	
46	19+80	48.60' LT	A 5				1C	746.10	738.28 EX	738.28 EX		742.35
47	19+75	32' RT		A 4			24	745.95				741.95
48	19+80	40' RT	A 4				1C	746.40		741.77	741.87	
49	20+75	32' RT		A 4			24	745.63	741.55			741.45
49A	20+65	32' RT		A 4			24	745.65		741.65		
50	20+80	40' RT	A 4				1C	746.00	741.33	741.23	741.37	
51	20+75	41.12' LT		A 4			24	745.53	741.92		741.92	
51A	20+65	41.71' LT		A 4			24	745.55		742.02		
52	20+80	48.20' LT	A 5				1C	745.00	737.71 EX	737.71 EX		741.84

PIPE TABLE STA. 19+50 TO STA. 21+50

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	VOL (CY)
S34	45	46	SS 1 RCCP IV	12	6	1.00	6	1.7
S35	47	48	SS 1 RCCP IV	12	8	1.00	8	2.7
S36	48	50	SS 2 RCCP IV	12	100	0.44	100	38.3
S37	49	50	SS 1 RCCP IV	12	8	1.00	8	2.9
S37A	49A	49	SS 1 RCCP IV	12	10	1.00	10	1.3
S38	50	57	SS 2 RCCP IV	12	171	1.29	171	124.5
S39	51	52	SS 1 RCCP IV	12	8	1.00	5	1.3
S39A	51A	51	SS 1 RCCP IV	12	10	1.00	10	1.3

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268
UTILITY PLAN STA. 15+50 TO STA. 21+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	





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DRAINAGE STRUCTURE TABLE STA. 21+50 TO STA. 26+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
53-56	NOT USED											
57	22+51	40' RT	A 7				1C	745.70	739.02	739.02 SE	737.02	737.02 W
57A	22+27	57' RT	A 4				1C	742.80		737.31		737.02 NW
58	22+73	32' RT		A 4			24	745.34	741.11			
59	22+63	32' RT		A 4			24	745.38	739.15 NW	741.01		
60	22+51	70' RT				60" PRC FES	GRATE					737.32
61	22+63	CL		A 4			8	745.80	738.74			
62	22+73	32' LT		A 4			24	745.34	739.11			
63	22+63	32' LT		A 4			24	745.38	738.41	739.01		
64	22+25	48.21' LT	A 5				1C	744.80	736.89 EX	736.54		
65	22+43	64' LT				42" PRC FES	GRATE			736.40		
66	22+99	32' RT		C 2			24	745.37		741.24		
67	23+05.5	32' RT		A 4			24	745.41	741.18		741.08	
68	22+99	8' RT		C 2			11V	745.37		741.24		
69	23+05.5	8' RT		A 4			11V	745.42	741.18		740.73	740.83
70	23+05.5	CL		A 4			8	745.73			740.56	740.66
71	22+99	8' LT		C 2			11V	745.37		741.24		
72	23+05.5	8' LT		A 4			11V	745.42	741.18		740.39	740.49
73	22+99	32' LT		C 2			24	745.37		741.24		
74	23+05.5	32' LT		A 4			24	745.41	741.18		739.60	740.14
75	NOT USED											
76	23+13	68' RT				12" PRC FES						740.72
77	23+13	54' RT	A 5				1C	745.20		740.65	740.65	740.65
78	23+53	73' RT	A 4				1C	747.70	737.68	737.68 SW		
79	22+56	73' RT				18" PRC FES	GRATE		737.42			
79A	23+81	44' LT	A 6				1C	745.70	740.04	740.25 EX		740.04
80	24+05	8' RT		A 4			11V	746.10			742.38	
80A	23+12	53' LT	STR*					744.22	739.39 NW	739.45	739.37	739.45
81	24+05	8' LT		A 4			11V	746.10		742.21		742.31
81A	23+12	65' LT				30" PRC FES	GRATE				739.28	
82	24+85	32.44' RT		A 4			24	746.58			742.31	
83	24+85	CL		A 4			8	746.90	741.94	742.07	741.84	741.98
84	25+05	8.67' RT		A 4			11V	746.93			742.72	
85	25+05	8.67' LT		A 4			11V	746.93	742.47			742.57
86	24+85	32.44' LT		A 4			24	746.58			741.41	741.51
87	24+65	45.30' LT	A 5				1C	745.85	740.77 EX	740.77 EX		741.29
88	25+50	34.33' LT		A 4			24	747.53			743.23	
89	25+50	46.60' LT	A 5				1C	747.00	741.30 EX	741.30 EX		743.12
90	26+30	36.11' RT		A 4			24	748.62			744.01	744.10
91	26+30	10.06' RT		A 4			11V	748.66			743.64	743.74
92	26+30	CL		A 4			8	748.93			743.45	743.55
93	26+30	10.06' LT		A 4			11V	748.66			743.26	743.36
94	26+30	36.11' LT		A 4			24	748.62			742.89	742.99
95	26+30	47.40' LT	A 5				1C	748.30	742.45 EX	742.45 EX		742.79

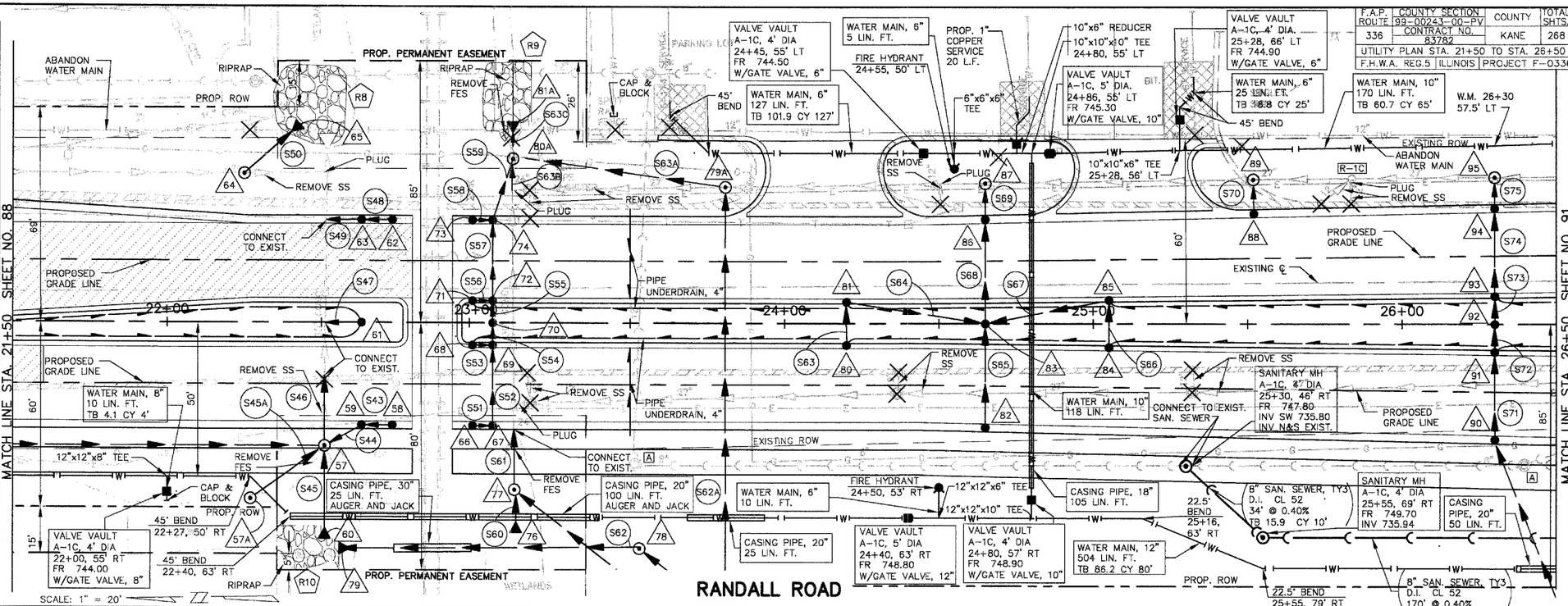
*SEE DRAINAGE STRUCTURE DETAIL

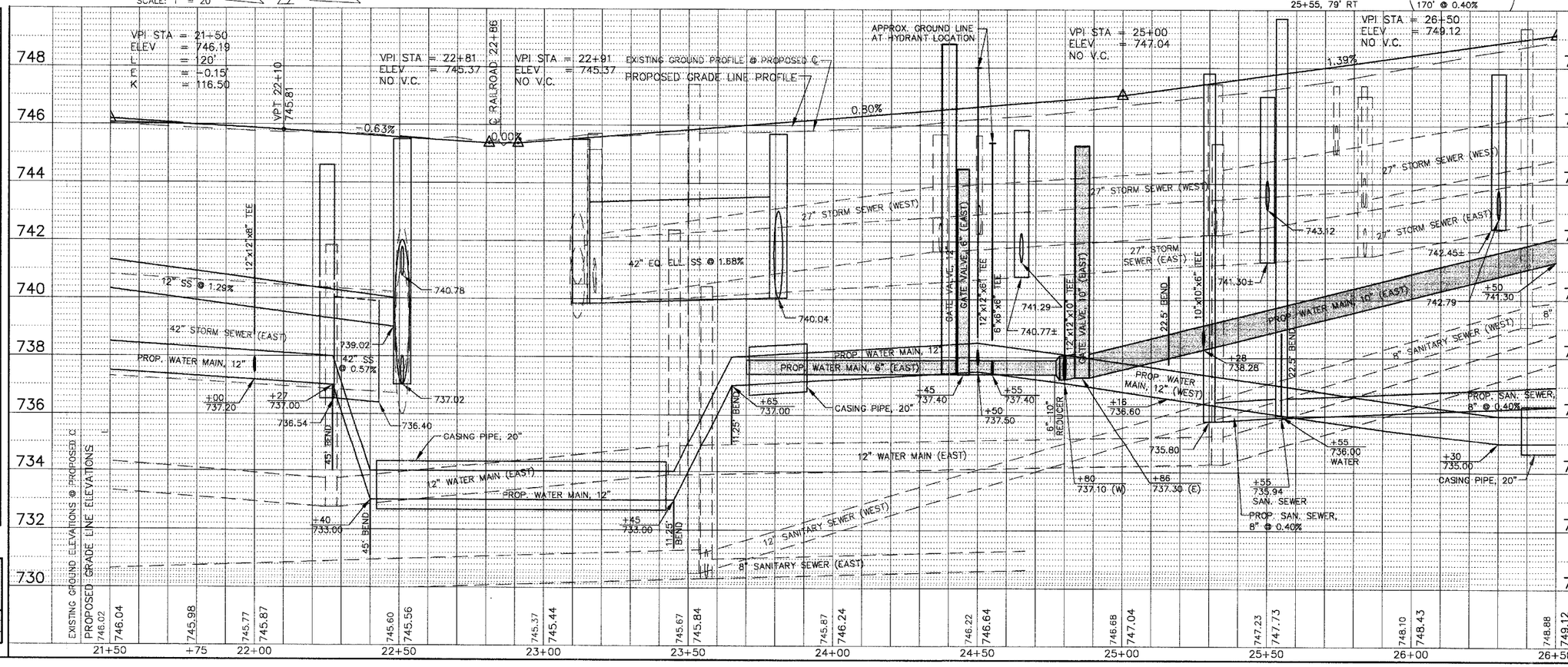
PIPE TABLE STA. 21+50 TO STA. 26+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S40-S42	NOT USED							
S43	58	59	SS 1 RCCP IV	12	10	1.00	10	1.5
S44	59	57	SS 1 RCCP IV	12	13	1.00	13	5.0
S45	60	57	SS 1 RCCP IV	60	22	1.00	17	22.3
S45A	57A	57	SS 2 RCCP IV "O" RING	12	29	1.00	20	23.5
S46	57	EX	SS 1 RCCP IV	60	21	1.00	21	14.8
S47	61	EX	SS 2 RCCP IV	12	12	1.00		
S48	62	63	SS 1 RCCP IV	12	10	1.00	10	3.6
S49	63	EX	SS 2 RCCP IV	12	12	1.00	12	8.4
S50	64	65	SS 2 RCCP IV	42	16	0.57		
S51	66	67	SS 1 RCCP IV	12	6	1.00	6	0.8
S52	67	69	SS 2 RCCP IV	12	25	1.00	25	4.3
S53	68	69	SS 1 RCCP IV	12	6	1.00	6	0.9
S54	69	70	SS 2 RCCP IV	12	7	1.00	2	0.5
S55	70	72	SS 2 RCCP IV	12	7	1.00	2	0.5
S56	71	72	SS 1 RCCP IV	12	6	1.00	6	0.9
S57	72	74	SS 2 RCCP IV	12	25	1.00	25	5.9
S58	73	74	SS 1 RCCP IV	12	6	1.00	6	0.9
S59	74	80A	SS 2 RCCP IV	12	21	1.00	2	1.6
S60	76	77	SS 1 RCCP IV	12	8	0.50		
S61	77	EX	SS 1 RCCP IV	30	19	1.16	19	5.6
S62	78	79	SS 1 RCCP IV	18	91	0.27		
S62A	40B	79A	SS 1 RCCP IV	36	126	0.20	88	50.3
S63	80	81	SS 1 RCCP IV	12	14	0.50	4	0.5
S63A	79A	80A	SS 1 RCCP IV	42	69	0.85		
				EQ. ELL				
S63B	EX.	80A	SS 1 RCCP IV	30	6	1.15		
S63C	80A	81A	SS 1 RCCP IV	30	2	1.15		
S64	81	83	SS 2 RCCP IV	12	45	0.60	20	3.9
S65	82	83	SS 2 RCCP IV	12	33	1.00	27	3.6
S66	84	85	SS 1 RCCP IV	12	15	1.00	4	0.5
S67	85	83	SS 2 RCCP IV	12	40	1.00	15	2.0
S68	83	86	SS 2 RCCP IV	12	33	1.00	27	3.6
S69	86	87	SS 2 RCCP IV	12	12	1.00	2	1.3
S70	88	89	SS 1 RCCP IV	12	11	1.00	2	0.7
S71	90	91	SS 1 RCCP IV	15	27	1.00	27	3.3
S72	91	92	SS 2 RCCP IV	15	9	1.00	2	0.5
S73	92	93	SS 2 RCCP IV	15	9	1.00	2	0.6
S74	93	94	SS 2 RCCP IV	15	27	1.00	27	4.5
S75	94	95	SS 2 RCCP IV	15	10	1.00	2	1.5

ROCK OUTLET PROTECTION TABLE STA. 21+50 TO STA. 26+50

NO.	ASSOCIATED STRUCTURE OUTLET NO.	ROCK GRADATION	DEPTH (IN.)	WIDTH 1 (FT.)	WIDTH 2 (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
R8	65	6	32	24	-	26	57
R9	81A	5	28	16	-	22	36
R10	79	4	20	13	-	20	24





F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268

UTILITY PLAN STA. 21+50 TO STA. 26+50
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH
	99-00243-00-PV			
336	CONTRACT NO. 83782	KANE	268	

UTILITY PLAN DETENTION POND

F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(

ROCK OUTLET PROTECTION TABLE STA. 23+00 TO STA. 27+00

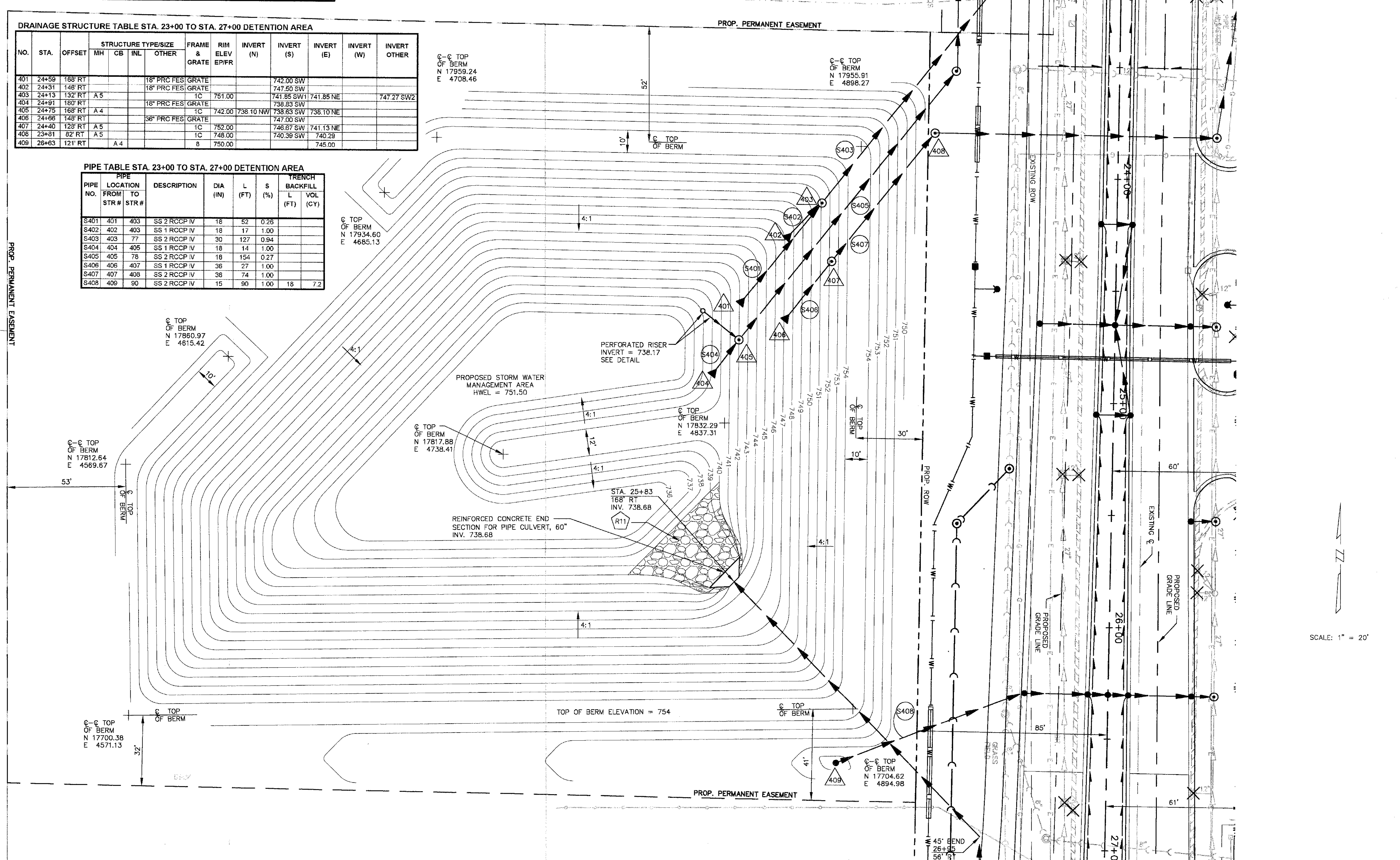
NO.	ASSOCIATED STRUCTURE OUTLET NO.	ROCK GRADATION	DEPTH (IN.)	WIDTH 1 (FT.)	WIDTH 2 (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
R11	CONC. END SECT	6	32	24	58	30	129

DRAINAGE STRUCTURE TABLE STA. 23+00 TO STA. 27+00 DETENTION AREA

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE				FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)	INVERT OTHER
			MH	CB	INL	OTHER							
401	24+59	168' RT				18" PRC FES	GRATE			742.00 SW			
402	24+31	146' RT				18" PRC FES	GRATE			747.50 SW			
403	24+13	132' RT	A 5				1C	751.00		741.85 SW1	741.85 NE		747.27 SW2
404	24+91	180' RT				18" PRC FES	GRATE			738.83 SW			
405	24+75	168' RT	A 4				1C	742.00	738.10 NW	738.63 SW	738.10 NE		
406	24+66	148' RT				36" PRC FES	GRATE			747.00 SW			
407	24+40	128' RT	A 5				1C	752.00		746.67 SW	741.13 NE		
408	23+81	82' RT	A 5				1C	748.00		740.39 SW	740.29		
409	26+63	121' RT		A 4			8	750.00			745.00		

PIPE TABLE STA. 23+00 TO STA. 27+00 DETENTION AREA

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	VOL (CY)
S401	401	403	SS 2 RCCP IV	18	52	0.26		
S402	402	403	SS 1 RCCP IV	18	17	1.00		
S403	403	77	SS 2 RCCP IV	30	127	0.94		
S404	404	405	SS 1 RCCP IV	18	14	1.00		
S405	405	78	SS 2 RCCP IV	18	154	0.27		
S406	406	407	SS 1 RCCP IV	36	27	1.00		
S407	407	408	SS 2 RCCP IV	36	74	1.00		
S408	409	90	SS 2 RCCP IV	15	90	1.00	18	7.2



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	

UTILITY PLAN STA. 26+50 TO STA. 31+50
F.H.W.A. REG.5 | ILLINOIS | PROJECT F-0336(0

RANDALL ROAD ℄ CURVE #2

RADIUS = 9950.00'
ARC LENGTH = 232.66'
CHORD LENGTH = 232.65'
TANGENT LENGTH = 116.33'
DEGREE OF CURVE = 00°-34'-33"
MID ORDINATE = 0.68'
EXTERNAL SECANT = 0.68'
INCLUDED ANGLE = 01°-20'-23"
PC = 30+95.36
PT = 33+28.01

MATCH LINE STA. 26+50 SHEET NO. 89

MATCH LINE STA. 31+50 SHEET NO. 92

CASING PIPE, 18" 20 LIN. FT.
PROP. CONSTR. EASEMENT
WATER MAIN, 6" 5 LIN. FT.
ABANDON WATER MAIN
EXISTING UTILITY EASEMENT
VALVE VAULT A-1C, 5' DIA ECCENTRIC 29+44, 58.5' LT FR 756.60 W/GATE VALVE, 10"
WATER MAIN, 10" 20 LIN. FT.
VALVE VAULT A-1C, 4' DIA ECCENTRIC 30+90, 58.5' LT FR 760.90 W/GATE VALVE, 4"
CONC. PAD
WATER MAIN, 4" 20 LIN. FT.
RETAINING WALL 5'-7" HIGH
WATER MAIN, 8" 20 LIN. FT.
PLUG
REMOVE SS
PROP. ROW
EXISTING ROW
PROPOSED GRADE LINE
FIRE HYDRANT 29+00, 53.5' LT
10"x10"x6" TEE 29+00, 58.5' LT
10"x10"x10" TEE 29+44, 56.5' LT
WATER MAIN, 10" 500 LIN. FT. TB 34.3 CY 45'
10"x10"x4" TEE
10"x10"x8" TEE
VALVE VAULT A-1C, 4' DIA ECCENTRIC 31+15, 58.5' LT FR 761.70 W/GATE VALVE, 8"
EXISTING ℄
PROPOSED ℄
PIPE UNDERDRAIN, 4" (TYP.)
VALVE VAULT A-1C, 5' DIA 30+40, 79' RT FR 762.00 W/GATE VALVE, 12"
SIGN
CANOPY
45° BEND 26+95 56' RT
SANITARY MH A-1C, 4' DIA 27+25, 69' RT FR 752.20 INV 736.62
WATER MAIN, 6" 5 LIN. FT.
FIRE HYDRANT 28+50, 84' RT
WATER MAIN, 12" 500 LIN. FT. TB 494.3 CY 330'
12"x12"x6" TEE
A-1C
R-1C

SCALE: 1" = 20'

DRAINAGE STRUCTURE TABLE STA. 26+50 TO STA. 31+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
96	27+75	39.33' RT		A 4			24	750.59			747.59	
97	27+75	11.67' RT		A 4			11V	750.66			746.39	747.30
98	27+75	CL		A 4			8	750.90			746.18	746.28
99	27+75	11.67' LT		A 4			11V	750.66			745.97	746.07
100	27+75	39.33' LT		A 4			24	750.59			745.58	745.68
101	27+75	48.50' LT	A 5				1C	752.40	745.38 EX	745.38 EX		745.50
102	29+55	43.33' LT		A 4			24	755.39			750.11	750.21
102A	29+55	52' LT	A 4				1C	755.80	748.07	751.86		750.04
102B	29+92.4	59.5' LT		C 2			11V	756.20	752.24	752.24		
102C	*	59.5' LT		C 2			1P	758.90	752.40	752.50 EX		
103	29+55	13.67' LT		A 4			11V	755.50			750.52	750.62
104	29+55	CL		A 4			8	755.88			750.75	750.85
105	29+55	13.67' RT		A 4			11V	755.50			750.98	751.99
106	29+55	43.33' RT		A 4			24	755.39			752.30	
107	29+55	56' RT	A 7			3' SUMP	1C	757.90	739.27	744.40		
107A	31+50	61.5' RT	A 7			3' SUMP	1C	761.60	745.37	750.37	755.71	

*PLACE STRUCTURE TO INTERCEPT EXISTING 8" STORM SEWER

PIPE TABLE STA. 26+50 TO STA. 31+50

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S76	96	97	SS 1 RCCP IV	12	29	1.00	29	3.8
S77	97	98	SS 2 RCCP IV	12	11	1.00	2	0.4
S78	98	99	SS 2 RCCP IV	12	11	1.00	2	0.5
S79	99	100	SS 2 RCCP IV	12	29	1.00	29	6.6
S80	100	101	SS 2 RCCP IV	12	8	1.00	2	1.7
S80A	102A	EX	SS 2 DI CL 52	18	122	1.25		
S81	103	102	SS 2 RCCP IV	12	31	1.00	31	9.3
S82	104	103	SS 2 RCCP IV	12	13	1.00	2	0.5
S83	105	104	SS 2 RCCP IV	12	13	1.00	2	0.5
S84	106	105	SS 1 RCCP IV	12	31	1.00	31	4.1
S85	102	102A	SS 2 RCCP IV	12	7	1.00	2	1.5
S85A	102B	102A	SS 1 DI CL 52	12	38	1.00	2	0.5
S85B	102C	102B	SS 1 DI CL 52	12	32	0.50	32	8.6
S86	107	POND	SS3 RCCP IV PRESSURE PIPE	60	418	0.14	260	1233.2
S86A	107A	107	SS 2 RCCP IV	60	195	0.50	195	677.8

RANDALL ROAD

VPI STA = 26+50
ELEV = 749.12
NO V.C.

VPI STA = 27+70
ELEV = 750.32
L = 180'
R = 0.43'
K = 94.74

APPROX. GROUND LINE AT HYDRANT LOCATION ELEV. 759.30

VPC 26+80
749.42

VPT 28+60
752.93

1.00%
2.90%

EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED GRADE LINE PROFILE
APPROX. GROUND LINE AT HYDRANT LOCATION

11.25° BEND
12"x12"x6" TEE (WEST)
10"x10"x6" TEE (EAST)
10"x10"x8" TEE (EAST)
10"x10"x4" TEE (EAST)
GATE VALVE, 12" (WEST)
18" STORM SEWER (WEST)
18" STORM SEWER (EAST)
PROP. WATER MAIN, 12" (WEST)
PROP. WATER MAIN, 10" (EAST)
12" WATER MAIN (EAST)
27" STORM SEWER (EAST)
8" SANITARY SEWER (WEST)
SANITARY SEWER (WEST)
CASING PIPE, 18"
CASING PIPE, 20"
PROP. SAN. SEWER, 8" @ 0.40%
60" STORM SEWER @ 0.14%
60" STORM SEWER @ 0.50%

+50 746.00 (WEST)
+50 746.40 (EAST)
+00 747.60 (EAST)
+00 747.00 (WEST)
+44 748.70 (EAST)
+00 750.20 (EAST)
+40 751.90 (WEST)
+00 754.00 (WEST)
+90 753.10 (EAST)
+00 756.00 (EAST)
+15 753.90 (EAST)
+50 744.00
+02 735.00
736.62
744.40
745.37
755.71

EXISTING GROUND ELEVATIONS @ PROPOSED ℄
PROPOSED GRADE LINE ELEVATIONS

26+50	+25	27+00	+25	27+50	+75	28+00	+25	28+50	29+00	29+50	30+00	30+50	31+00	31+50
748.79	749.42	749.64	749.97	750.09	750.84	750.96	751.38	751.98	752.17	752.64	753.49	754.09	754.77	755.54	756.08	756.99	757.44	758.44	758.84	759.89	760.15	761.34
749.12		749.64		750.37					752.64													

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
UTILITY PLAN STA. 31+50 TO STA. 36+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

RANDALL ROAD
℄ CURVE #2

RADIUS = 9950.00'
ARC LENGTH = 232.66'
CHORD LENGTH = 232.65'
TANGENT LENGTH = 116.33'
DEGREE OF CURVE = 00°-34'-33"
MID ORDINATE = 0.68'
EXTERNAL SECANT = 0.68'
INCLUDED ANGLE = 01°-20'-23"
PC = 30+95.36
PT = 33+28.01

ROCK OUTLET PROTECTION TABLE STA. 31+50 TO STA. 36+50

NO.	ASSOCIATED STRUCTURE OUTLET NO.	ROCK GRADATION	DEPTH (IN.)	WIDTH 1 (FT.)	WIDTH 2 (FT.)	LENGTH (FT.)	AREA (SQ. YD.)
R12	113A	6	32	13	28	28	65

DRAINAGE STRUCTURE TABLE STA. 31+50 TO STA. 36+50

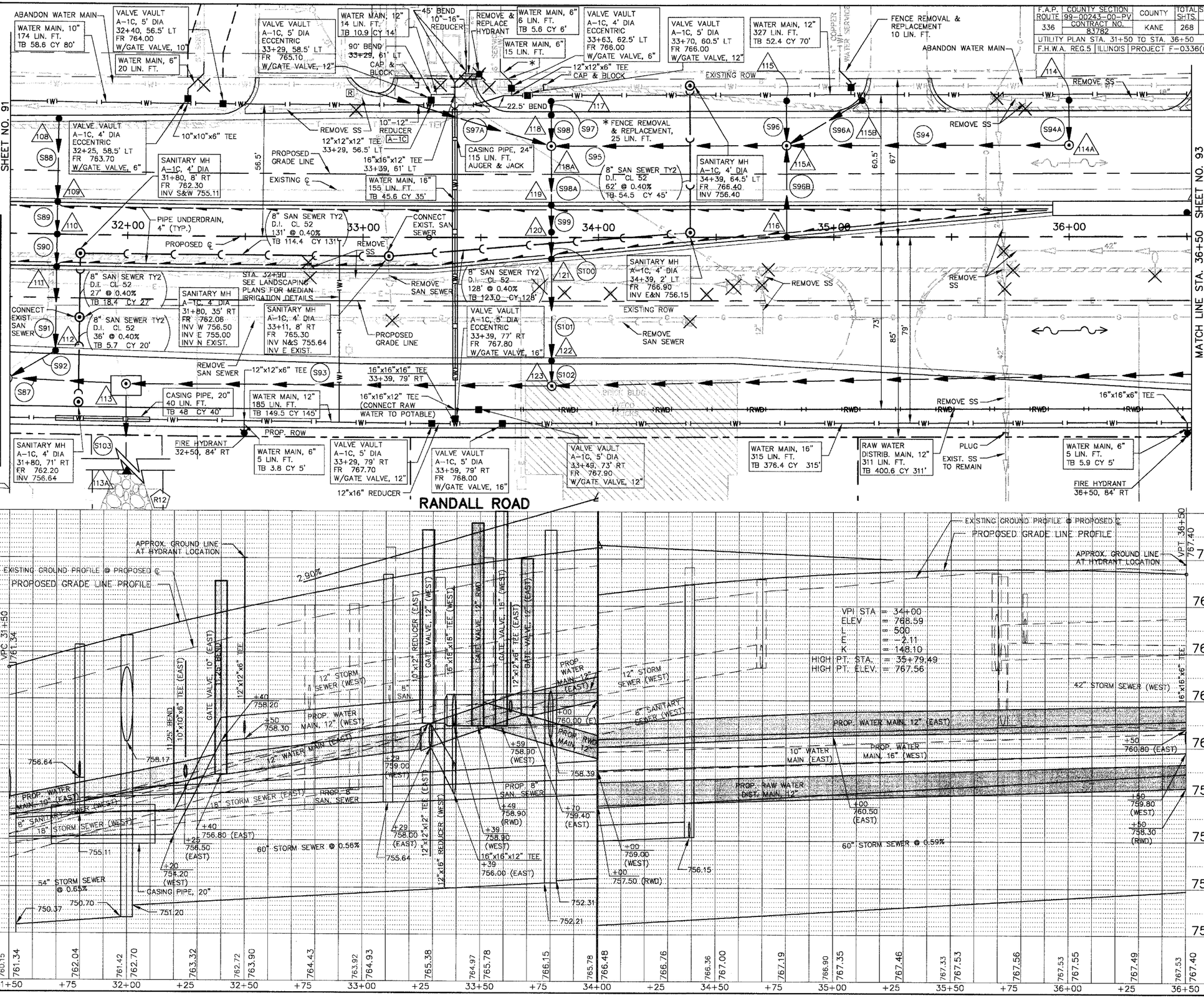
NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
108	31+70	48.11' LT		A 4			24	761.55				757.30
109	31+70	15' LT		A 4			11V	761.73			756.96	756.86
110	31+70	CL		A 4			8	761.90			756.72	756.62
111	31+70	15' RT		A 4			11V	761.73			756.48	756.38
112	31+70	48.11' RT		A 4			24	761.55			756.04	755.94
113	32+00	63' RT	JCT*				1C	764.00	750.70	751.20		758.17
113A	32+05	488' RT				PRC FES 48 EQ ELL	GRATE					757.53
114	36+00	58' LT		C 2			8	767.00				764.17
114A	36+00	39' LT	A 4				1C	767.37	764.11		764.11	
115	34+80	58' LT		C 2			8	766.80				762.55
115A	34+80	39' LT	A 4				1 C	767.05	762.11	763.73	762.38	762.38
115A										762.33 SE		
115B	35+12.2	58' LT		C 2			11 V	768.70	762.70 NW			
116	34+80	1.23' RT		A 4			11V	766.77			762.77	
117	33+80	58' LT		C 2			8	765.75				761.50
118	33+80	51' LT		A 4			24	765.80			761.44	761.34
118A	33+80	39' LT	A 4				1 C	766.04	760.30	761.11	761.21	760.20
119	33+80	15' LT		A 4			11V	766.04			759.96	759.86
120	33+80	2.35' LT		A 4			8	768.17			759.74	759.64
121	33+80	10.29' RT		A 5			11V	765.95			759.52	759.02
122	33+80	51' RT		A 5			24	765.80			758.60	758.50
123	33+80	63' RT	A 7				1C	767.20	752.21	752.31	756.39	

*SEE JUNCTION STRUCTURE DETAIL

SCALE: 1" = 20'

PIPE TABLE STA. 31+50 TO STA. 36+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S87	113	107A	SS 2 RCCP CL IV	54	50	0.65	50	168.1
S88	108	109	SS 2 RCCP CL IV *O" RING	15	34	1.00	34	7.2
S89	109	110	SS 2 RCCP CL IV	15	14	1.00	2	0.5
S90	110	111	SS 2 RCCP CL IV	15	14	1.00	2	0.6
S91	111	112	SS 2 RCCP CL IV	15	34	1.00	34	10.4
S92	112	107A	SS 2 RCCP CL IV	15	23	1.00	10	7.8
S93	123	113	SS 2 RCCP CL IV	60	180	0.56	180	571.7
S94	114A	115A	SS 1 RCCP CL IV	15	120	0.32	120	14.5
S94A	114	114A	SS 1 RCCP CL IV *O" RING	15	19	0.32	15	1.8
S95	115A	118A	SS 2 RCCP CL IV	18	100	1.00	100	12.0
S96	115	115A	SS 2 RCCP CL IV *O" RING	15	19	1.00	15	1.8
S96A	115B	115A	SS 2 RCCP CL IV *O" RING	12	37	1.00	37	4.9
S96B	116	115A	SS 2 RCCP CL IV	12	39	1.00	30	4.0
S97	117	118	SS 2 RCCP CL IV *O" RING	15	6	1.00	2	0.3
S97A	EX	118A	SS 2 RCCP CL IV *O" RING	12	82	0.44	82	15.9
S98	118	118A	SS 2 RCCP CL IV *O" RING	15	13	1.00	13	1.6
S98A	118A	119	SS 2 RCCP CL IV	18	24	1.00	24	5.9
S99	119	120	SS 2 RCCP CL IV	18	12	1.00	2	0.5
S100	120	121	SS 2 RCCP CL IV	18	12	1.00	2	0.6
S101	121	122	SS 2 RCCP CL IV	24	42	1.00	42	16.1
S102	122	123	SS 2 RCCP CL IV	24	11	1.00	2	1.0
S103	113	113A	SS 1 RCCP CL IV	48 EQ ELL	417	0.15	12	32.8

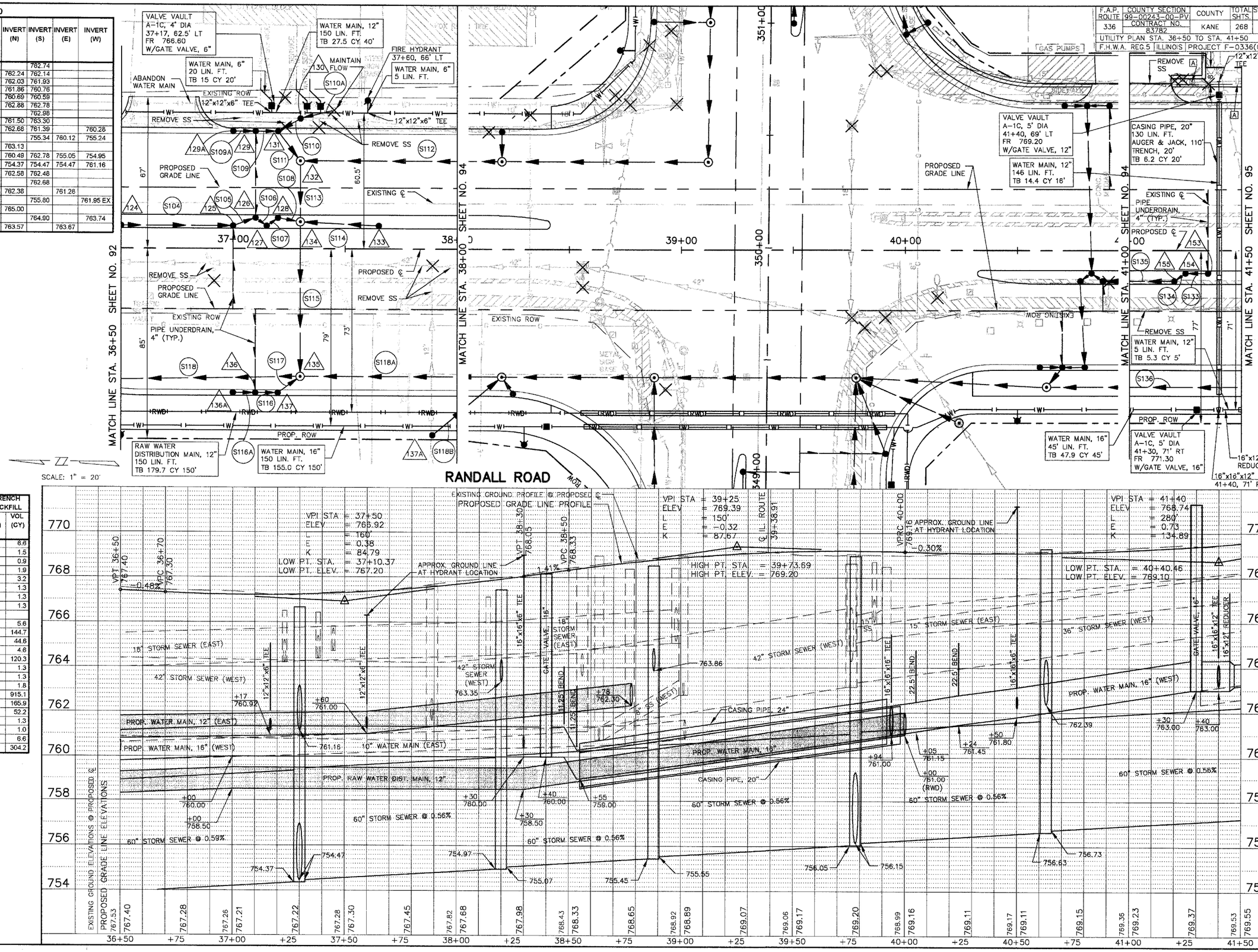


DRAINAGE STRUCTURE TABLE STA. 36+50 TO STA. 41+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
124	36+50	9' LT		A 4			11V	766.74		762.74		
125	37+00	9' LT		A 4			11V	766.55	762.24	762.14		
126	37+10	15' LT		A 4			11V	767.02	762.03	761.93		
127	37+15	9' LT		A 5			11V	766.81	761.86	760.76		
128	37+20	15' LT		A 5			11V	767.03	760.69	760.59		
129	37+10	51' LT		A 4			24	768.78	762.88	762.78		
129A	37+00	51' LT		A 4			24	768.79		762.98		
130	37+30	58' LT		C 2			1P	768.50	761.50	763.30		
131	37+20	51' LT		A 5			24	765.79	762.68	761.39		760.28
132	37+30	39' LT	A 5				1C	767.05		755.34	760.12	755.24
133	37+65	9' LT		A 4			11V	767.13	763.13			
134	37+30	12' LT	A 5				1C	767.32	760.49	762.78	755.05	754.95
135	37+30	57' RT	A 7				1C	766.65	754.37	754.47	754.47	761.16
136	37+10	63' RT		A 4			24	766.48	762.58	762.48		
136A	37+00	63' RT		A 4			24	766.49		762.68		
137	37+20	63' RT		A 5			24	766.49	762.38		761.28	
137A	37+89	83' RT		C 2			1C	768.70		755.80		761.95 EX
153	41+35	9' RT		A 4			11V	769.00	765.00			
154	41+25	9' RT		A 5			11V	769.01		764.90		763.74
155	41+20	15' RT		A 5			11V	769.22	763.57		763.67	

PIPE TABLE STA.36+50 TO STA. 41+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S104	124	125	SS 2 RCCP CL IV	12	50	1.00	50	6.6
S105	125	126	SS 2 RCCP CL IV	12	11	1.00	11	1.5
S106	126	127	SS 2 RCCP CL IV	12	7	1.00	7	0.9
S107	127	128	SS 2 RCCP CL IV	24	7	1.00	7	1.9
S108	128	134	SS 2 RCCP CL IV	24	10	1.00	10	3.2
S109	129	131	SS 1 DI CL 52	12	10	1.00	10	1.3
S109A	129A	129	SS 1 DI CL 52	12	10	1.00	10	1.3
S110	130	131	SS 2 DI CL 52	12	11	1.00	4	1.3
S110A	EX	130	SS 1 PVC	6	20	7.10		
S111	131	132	SS 2 RCCP CL IV	24	16	1.00	16	5.6
S112	139	132	SS 2 RCCP CL IV	30	90	0.70	90	144.7
S113	132	134	SS 2 RCCP CL IV	30	27	0.70	27	44.6
S114	133	134	SS 2 RCCP CL IV	12	35	1.00	35	4.6
S115	134	135	SS 2 RCCP CL IV	30	69	0.70	69	120.3
S116	136	137	SS 1 DI CL 52	12	10	1.00	10	1.3
S116A	136A	136	SS 1 DI CL 52	12	10	1.00	10	1.3
S117	137	135	SS 2 RCCP CL IV	24	12	1.00	12	1.8
S118	135	123	SS 2 RCCP CL IV	60	350	0.59	350	915.1
S118A	152	135	SS 2 RCCP CL IV	60	90	0.56	90	165.9
S118B	137A	152	SS 2 RCCP CL IV	12	40	1.00	40	52.2
S133	153	154	SS 1 RCCP CL IV	12	10	1.00	10	1.3
S134	154	155	SS 2 RCCP CL IV	24	7	1.00	7	1.0
S135	155	143	SS 2 RCCP CL IV	24	32	1.00	32	6.6
S136	161	147	SS 2 RCCP CL IV	60	107	0.56	107	304.2



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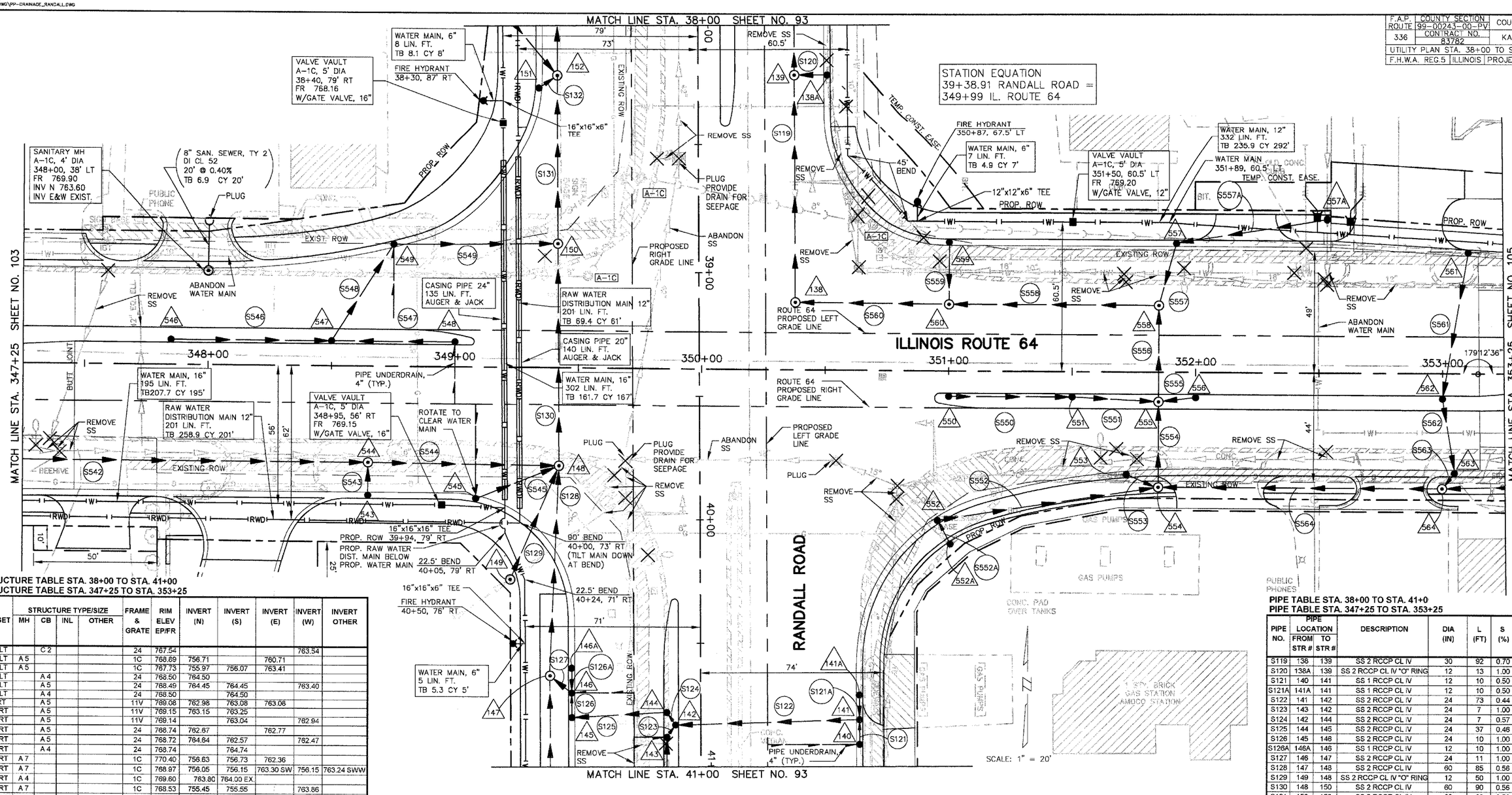
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
UTILITY PLAN STA. 38+00 TO STA. 41+00			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



DRAINAGE STRUCTURE TABLE STA. 38+00 TO STA. 41+00
DRAINAGE STRUCTURE TABLE STA. 347+25 TO STA. 353+25

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)	INVERT OTHER
138A	38+20	51' LT		C 2			24	767.54				763.54	
138	39+12	39' LT	A 5				1C	768.69	756.71		760.71		
139	38+20	39' LT	A 5				1C	767.73	755.97	756.07	763.41		
140	40+91	63' LT		A 4			24	768.50	764.50				
141	40+81	63' LT		A 5			24	768.49	764.45	764.45		763.40	
141A	40+71	63' LT		A 4			24	768.50		764.50			
142	40+83	9' RT		A 5			11V	769.08	762.98	763.08	763.08		
143	40+88	15' RT		A 5			11V	769.15	763.15	763.25			
144	40+78	15' RT		A 5			11V	769.14		763.04		762.94	
145	40+80	51' RT		A 5			24	768.74	762.67		762.77		
146	40+70	51' RT		A 5			24	768.72	764.64	762.57		762.47	
146A	40+60	51' RT		A 4			24	768.74		764.74			
147	40+63	61' RT	A 7				1C	770.40	756.63	756.73	762.36		
148	39+78	57' RT	A 7				1C	768.97	756.05	756.15	763.30 SW	756.15	763.24 SWW
149	40+24	77' RT	A 4				1C	769.60	763.80	764.00 EX.			
150	38+88	57' RT	A 7				1C	768.53	755.45	755.55		763.86	
151	38+25	63.22' RT		A 4			24	767.43			763.43		
152	38+20	57' RT	A 7				1C	767.44	754.97	755.07		763.35	755.40 NW
543	348+65	51' RT		C 2			24	768.83	764.83				
544	348+65	39' RT	A 5				1C	769.05		764.70	756.92	760.83	
545	349+09	52' RT		A 5			24	768.68					763.60 NE
546	347+85	9' LT		A 4			11V	770.26			766.04		
547	348+50	9' LT		A 4			11V	769.39	764.83		764.93	765.39	
548	349+00	9' LT		A 4			11V	769.00				765.15	
549	348+75	48.26' LT		A 4			24	768.62		764.62	764.52		
550	351+00	9' RT		A 4			11V	769.05			765.05		
551	351+50	9' RT		A 4			11V	769.35			764.45	764.55	
552	350+95	59.38' RT		A 5			24	768.58		765.08	764.08		
552A	351+01	70' RT		C 2			1P	770.05	765.19				
553	351+70	40.21'RT		A 4			24	769.27			765.27		
554	351+85	46.5' RT	A 5				1C	769.80	763.68		764.18	763.68	765.11 NW
555	351+85	12' RT	A 5				1C	770.27	763.24	763.34	765.67	764.10	
556	352+00	9' RT		A 4			11V	769.82				765.82	
557	351+92	51' LT		A 4			24	769.28		765.40	766.40		
557A	352+53	63' LT		C 2			1C	770.50	768.20 EX			767.02	
558	351+85	27' LT	A 5				1C	769.72	765.14	762.75		762.65	
559	351+00	51' LT		A 4			24	768.32		764.32			
560	351+00	27' LT	A 5				1C	768.77	764.07		761.59	761.49	
561	353+10	47.77' LT		A 4			24	770.46		766.46			
562	353+00	9' RT		A 4			11V	770.73	768.20	766.10			
563	353+05	39' RT		A 4			24	770.64	765.96	765.86			
564	353+00	46.5' RT	A 4				1C	771.00	765.78		765.75	765.50	

PIPE TABLE STA. 38+00 TO STA. 41+0
PIPE TABLE STA. 347+25 TO STA. 353+25

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	VOL (CY)
S119	138	139	SS 2 RCCP CL IV	30	92	0.70	92	152.1
S120	138A	139	SS 2 RCCP CL IV "O" RING	12	13	1.00	13	1.7
S121	140	141	SS 1 RCCP CL IV	12	10	0.50	10	1.3
S121A	141A	141	SS 1 RCCP CL IV	12	10	0.50	10	1.3
S122	141	142	SS 2 RCCP CL IV	24	73	0.44	73	12.8
S123	143	142	SS 2 RCCP CL IV	24	7	1.00	7	1.6
S124	142	144	SS 2 RCCP CL IV	24	7	0.57	7	1.8
S125	144	145	SS 2 RCCP CL IV	24	37	0.46	37	9.8
S126	145	146	SS 2 RCCP CL IV	24	10	1.00	10	2.4
S126A	146A	146	SS 1 RCCP CL IV	12	10	1.00	10	1.3
S127	146	147	SS 2 RCCP CL IV	24	11	1.00	11	11.1
S128	147	148	SS 2 RCCP CL IV	60	85	0.56	85	168.0
S129	149	148	SS 2 RCCP CL IV "O" RING	12	50	1.00	50	22.3
S130	148	150	SS 2 RCCP CL IV	60	90	0.56	90	183.9
S131	150	152	SS 2 RCCP CL IV	60	68	0.56	68	134.4
S132	151	152	SS 1 RCCP CL IV	12	8	1.00	8	1.1
S542	541	544	SS 2 RCCP CL IV	36	145	1.00	145	118.3
S543	543	544	SS 2 RCCP CL IV "O" RING	12	13	1.00	13	1.7
S544	544	148	SS 2 RCCP CL IV	36	77	1.00	77	138.9
S545	545	148	SS 2 RCCP CL IV "O" RING	24	36	1.00	36	5.3
S546	546	547	SS 1 RCCP CL IV	12	65	1.00	65	8.6
S547	548	547	SS 2 RCCP CL IV	12	50	0.44	50	6.6
S548	547	549	SS 2 RCCP CL IV	12	47	0.45	47	6.2
S549	549	150	SS 2 RCCP CL IV	12	66	1.00	66	8.7
S550	550	551	SS 2 RCCP CL IV	12	50	1.00	50	9.7
S551	551	555	SS 2 RCCP CL IV	12	35	1.00	35	11.2
S552	552	554	SS 1 RCCP CL IV	24	91	0.44	91	57.5
S552A	552A	552	SS 1 RCCP CL IV	12	11	1.00	11	2.6
S553	553	554	SS 2 RCCP CL IV	12	16	1.00	16	4.8
S554	554	555	SS 2 RCCP CL IV	24	34	1.00	34	23.2
S555	556	555	SS 2 RCCP CL IV	12	15	1.00	15	2.9
S556	555	558	SS 2 RCCP CL IV	24	39	1.25	39	29.8
S557	557	558	SS 2 RCCP CL IV "O" RING	12	26	1.00	26	5.0
S557A	557A	557	SS 1 RCCP CL IV "O" RING	12	62	1.00	62	12.1
S558	558	560	SS 2 RCCP CL IV	24	85	1.25	85	68.4
S559	559	560	SS 2 RCCP CL IV	12	25	1.00	25	4.9
S560	560	138	SS 2 RCCP CL IV	24 EQ. ELL	62	1.25	62	44.8
S561	561	562	SS 2 RCCP CL IV "O" RING	12	59	0.44	59	11.4
S562	562	563	SS 2 RCCP CL IV	12	31	0.45	31	6.7
S563	563	564	SS 2 RCCP CL IV	12	8	1.00	8	2.9
S564	564	554	SS 2 RCCP CL IV	18	115	1.15	115	78.7

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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	NO.
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	
UTILITY PLAN STA. 41+50 TO STA. 46+50				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

RANDALL ROAD
℄ CURVE #3

INCLUDED ANGLE = 00°-36'-46"
RADIUS = 4000.00'
TANGENT LENGTH = 21.39'
ARC LENGTH = 42.79'
CHORD LENGTH = 42.79'
EXTERNAL SECANT = 0.05'
MID ORDINATE = 0.06'
DEGREE OF CURVE = 01°-25'-57"
PC = 45+43.70
PT = 45+86.48

MATCH LINE STA. 41+50 SHEET NO. 93

MATCH LINE STA. 46+50 SHEET NO. 96

PROP. CONSTR. EASEMENT
EXISTING ROW
REMOVE SS
PROPOSED GRADE LINE
EXISTING ℄
PROPOSED ℄
42+00
43+00
44+00
45+00
46+00
PIPE UNDERDRAIN, 4" (TYP.)
PROPOSED GRADE LINE
WATER MAIN, 12" 501 LIN. FT. TB 209.5 CY 250'
NOTE: DUE TO THE PROXIMITY OF THE WATER MAIN, THIS STRUCTURE SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL
PROP. ROW
11.25° BEND 43+70, 71' RT
FIRE HYDRANT 44+55, 76' RT
11.25° BEND 44+33, 83.5' RT
12"x12"x6" TEE
WATER MAIN, 6" 7 LIN. FT.
46+20, 83.5' RT
CASING PIPE, 20" 130 LIN. FT.
74'
73'
77'
71'
88.5'
83.5'

SCALE: 1" = 20'

RANDALL ROAD

DRAINAGE STRUCTURE TABLE STA. 41+50 TO STA. 46+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
156	41+70	63' LT		A 4			24	769.00				765.00
157	42+70	9' RT		A 4			11V	770.39	766.18			
158	42+20	15' RT		A 4			11V	770.12	765.58	765.68		
159	41+70	9' RT		A 4			11V	769.08		765.08	764.68	764.58
160	41+70	51' RT		A 4			24	769.30			764.16	764.06
161	41+70	61' RT	A 7				1C	770.60	757.33	757.43	763.93	
162	43+70	56.64' LT		A 4			24	772.27	768.60			768.02
163	43+70	5.29' RT		A 4			11V	772.24			767.39	767.29
164	44+50	1.96' LT		A 4			11V	773.81	769.35			
165	43+80	9.69' RT		A 4			8	772.70	768.50	768.60		
166	43+70	15' RT		A 4			11V	772.65		768.39	767.21	766.97
167	43+70	51' RT		A 4			24	772.41			766.60	766.50
168	43+70	61' RT	A 7				1C	773.90	758.55	758.65	766.37	
169	44+40	80' RT		3 MOD*			GRATE*	774.93			764.93	
170	44+40	61' RT	A 7				1C	774.70	759.04	760.04		764.72
171	45+35	9.66' LT		A 4			11V	775.47				771.36
172	45+35	2.67' RT		A 4			8	775.25			771.25	771.15
173	45+35	15' RT		A 4			11V	775.58			771.04	770.94
174	45+35	61' RT	A 6				1C	776.70	760.76	761.76	770.48	
175	46+20	50.42' LT		A 4			24	776.85				772.85
176	46+20	50.42' RT		A 4			24	776.85			771.83	771.73
177	46+20	61' RT	A 5				1C	777.60	762.53	762.63	771.64	

*SEE TYPE 3 MODIFIED DRAINAGE STRUCTURE DETAIL

PIPE TABLE STA. 41+50 TO STA. 46+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL. (CY)
S137	156	159	SS 2 RCCP CL IV	12	73	0.44	73	9.6
S138	157	158	SS 2 RCCP CL IV	12	50	1.00	50	6.6
S139	158	159	SS 2 RCCP CL IV	12	50	1.00	50	6.6
S140	159	160	SS 2 RCCP CL IV	12	42	1.00	42	5.5
S141	160	161	SS 2 RCCP CL IV	12	9	1.44	2	1.6
S142	168	161	SS 2 RCCP CL IV	60	200	0.56	200	638.6
S143	EX	162	SS 1 RCCP CL IV	15	40	1.00	40	11.3
S144	162	163	SS 2 RCCP CL IV	15	63	1.00	63	13.4
S145	164	165	SS 2 RCCP CL IV	12	75	1.00	75	13.0
S146	163	166	SS 2 RCCP CL IV	15	8	1.00	8	2.6
S147	165	166	SS 2 RCCP CL IV	12	11	1.00	11	
S148	166	167	SS 2 RCCP CL IV	15	37	1.00	37	
S149	167	168	SS 2 RCCP CL IV	15	9	1.44	2	1.8
S150	170	168	SS 3 RCCP CL IV	60	70	0.56	70	255.0
S151	169	170	SS 2 RCCP CL IV "O" RING	36	19	1.11	19	31.5
S152	174	170	SS 3 RCCP CL IV	48	95	0.76	95	315.0
S153	171	172	SS 2 RCCP CL IV	12	11	1.00	2	0.3
S154	172	173	SS 2 RCCP CL IV	12	11	1.00	2	0.4
S155	173	174	SS 2 RCCP CL IV	12	46	1.00	41	10.5
S156	177	174	SS 3 RCCP CL IV	42	85	0.90	85	266.4
S157	175	176	SS 2 RCCP CL IV	12	102	1.00	102	13.5
S158	176	177	SS 2 RCCP CL IV	12	9	1.00	2	1.4

EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED GRADE LINE PROFILE

VPI STA = 41+40
ELEV = 768.74
L = 280'
E = 0.73
K = 134.89

VPT 42+80 771.23

1.78%
36" STORM SEWER (WEST)
18" STORM SEWER (EAST)
12" WATER MAIN (EAST)
8" SAN
PROP. WATER MAIN, 12"
CASING PIPE, 20"
60" STORM SEWER @ 0.56%
11.25° BEND
11.25° BEND
+56 762.00
+50 783.20
763.93
766.37
764.72
758.55
758.65
760.04
759.04

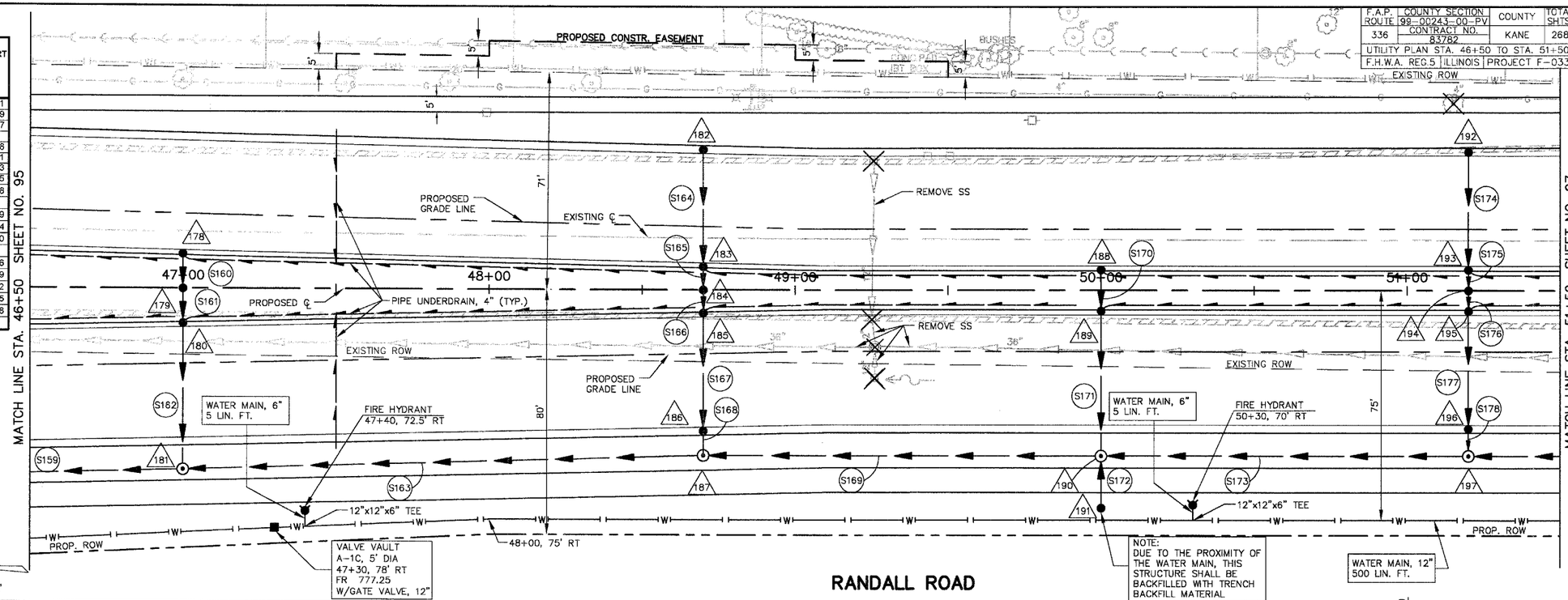
EXISTING GROUND PROFILE @ PROPOSED ℄
PROPOSED GRADE LINE PROFILE
APPROX. GROUND LINE AT HYDRANT LOCATION
1.78%
12"x12"x6" TEE
770.48
PROP. WATER MAIN, 12"
8" SANITARY SEWER (EAST)
+55 767.50
+50 769.50
771.64
42" STORM SEWER @ 0.90%
48" STORM SEWER @ 0.76%
42" STORM SEWER @ 0.90%
760.76
761.76
762.53
762.63

	41+50	+75	42+00	+25	42+50	+75	43+00	43+50	44+00	44+50	45+00	45+50	46+00	46+50
EXISTING GROUND ELEVATIONS @ PROPOSED ℄	769.53	769.55	769.77	770.10	770.05	770.36	770.66	770.73	771.14	771.40	771.58	772.36	772.47	773.34	773.36	774.29	774.25	775.25	775.14	776.07	776.02	776.86	776.91	777.83	777.80
PROPOSED GRADE LINE ELEVATIONS	769.53	769.55	769.77	770.10	770.05	770.36	770.66	770.73	771.14	771.40	771.58	772.36	772.47	773.34	773.36	774.29	774.25	775.25	775.14	776.07	776.02	776.86	776.91	777.83	777.80

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
UTILITY PLAN STA. 46+50 TO STA. 51+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

DRAINAGE STRUCTURE TABLE STA. 46+50 TO STA. 51+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
178	47+00	12.64' LT		A 4			11V	778.51				774.51
179	47+00	CL		A 4			8	778.73			774.39	774.29
180	47+00	12.64' RT		A 4			11V	778.51			774.17	774.07
181	47+00	59' RT	A 5				1C	779.00	763.35	763.45	773.61	
182	48+70	44.87' LT		A 4			24	781.18				777.18
183	48+70	8.87' LT		A 4			11V	781.42			776.81	776.71
184	48+70	CL		A 4			8	781.70			776.63	776.53
185	48+70	8.87' RT		A 4			11V	781.42			776.45	776.35
186	48+70	44.87' RT		A 4			24	781.18			775.98	775.88
187	48+70	55' RT	A 5				1C	781.50	764.98	765.08	775.75	
188	50+00	8' LT		A 4			11V	782.99				778.99
189	50+00	8' RT		A 4			11V	782.99			778.84	778.74
190	50+00	54' RT	A 5				1C	783.00	766.25	766.35	778.28	777.40
191	50+00	71' RT		C 2			8	781.80			777.57	
192	51+20	44' LT		A 4			24	783.56				779.56
193	51+20	8' LT		A 4			11V	783.80			779.19	779.09
194	51+20	CL		A 4			8	784.10			779.02	778.92
195	51+20	8' RT		A 4			11V	783.80			778.85	778.75
196	51+20	44' RT		A 4			24	783.56			778.38	778.28
197	51+20	54' RT	A 5				1C	784.15	767.43	767.53	778.15	

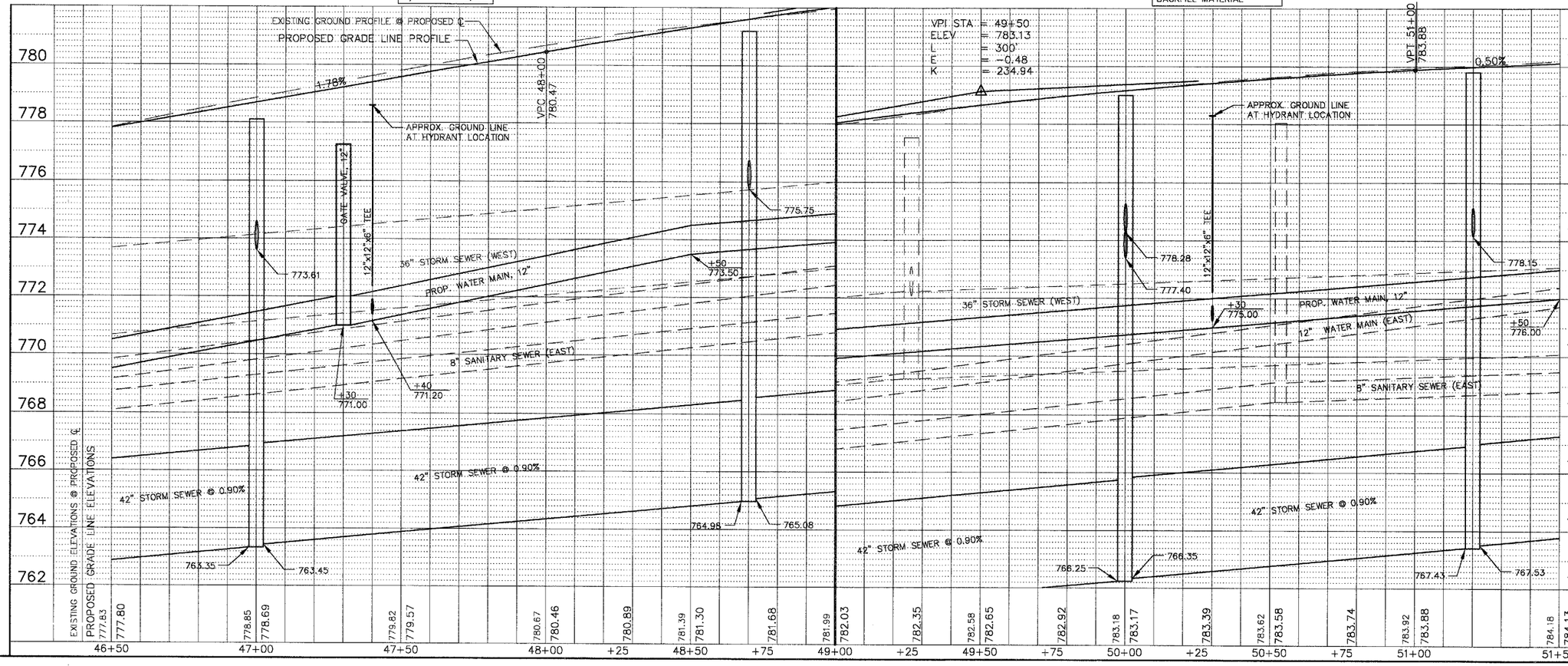


SCALE: 1" = 20'

PIPE TABLE STA. 46+50 TO STA. 51+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S159	181	177	SS 3 RCCP CL IV	42	80	0.90	80	259.3
S160	178	179	SS 2 RCCP CL IV	12	12	1.00	2	0.3
S161	179	180	SS 2 RCCP CL IV	12	12	1.00	2	0.4
S162	180	181	SS 2 RCCP CL IV	12	46	1.00	41	5.4
S163	187	181	SS 3 RCCP CL IV	42	170	0.90	170	569.3
S164	182	183	SS 2 RCCP CL IV	12	37	1.00	37	4.9
S165	183	184	SS 2 RCCP CL IV	12	8	1.00	2	0.5
S166	184	185	SS 2 RCCP CL IV	12	8	1.00	2	0.5
S167	185	186	SS 2 RCCP CL IV	12	37	1.00	37	6.4
S168	186	187	SS 2 RCCP CL IV	12	9	1.44	2	1.4
S169	190	187	SS 3 RCCP CL IV	42	130	0.90	130	463.2
S170	188	189	SS 1 RCCP CL IV	12	15	1.00	4	0.6
S171	189	190	SS 2 RCCP CL IV	12	46	1.00	41	5.4
S172	191	190	SS 2 RCCP CL IV "O" RING	12	17	1.00	12	4.1
S173	197	190	SS 3 RCCP CL IV	42	120	0.90	120	431.0
S174	192	193	SS 2 RCCP CL IV	12	37	1.00	37	4.9
S175	193	194	SS 2 RCCP CL IV	12	7	1.00	2	0.5
S176	194	195	SS 2 RCCP CL IV	12	7	1.00	2	0.5
S177	195	196	SS 2 RCCP CL IV	12	37	1.00	37	6.4
S178	196	197	SS 2 RCCP CL IV	12	9	1.44	2	1.5

RANDALL ROAD



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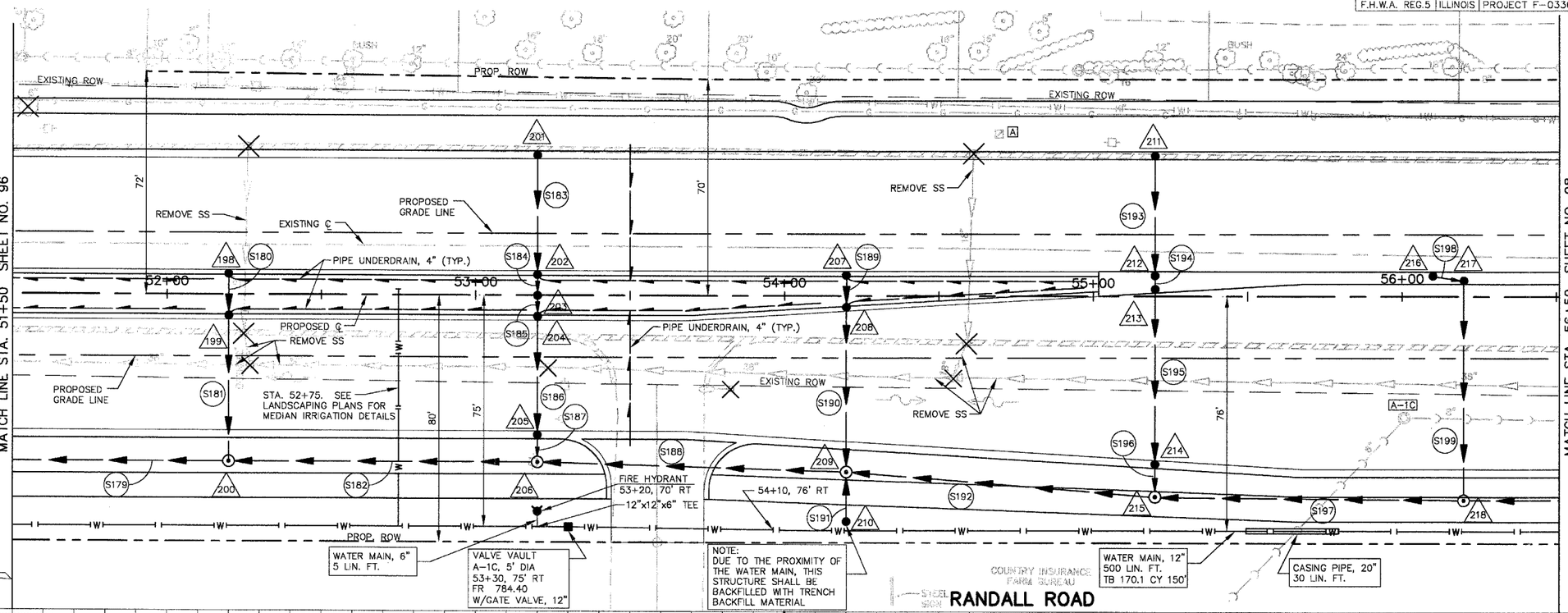
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	N
336	99-00243-00-PV CONTRACT NO. 83782	KANE	268	S
UTILITY PLAN STA. 51+50 TO STA. 56+50				
F.H.W.A. REG.5 ILLINOIS	PROJECT F-0336(0			

DRAINAGE STRUCTURE TABLE STA. 51+50 TO STA. 56+50

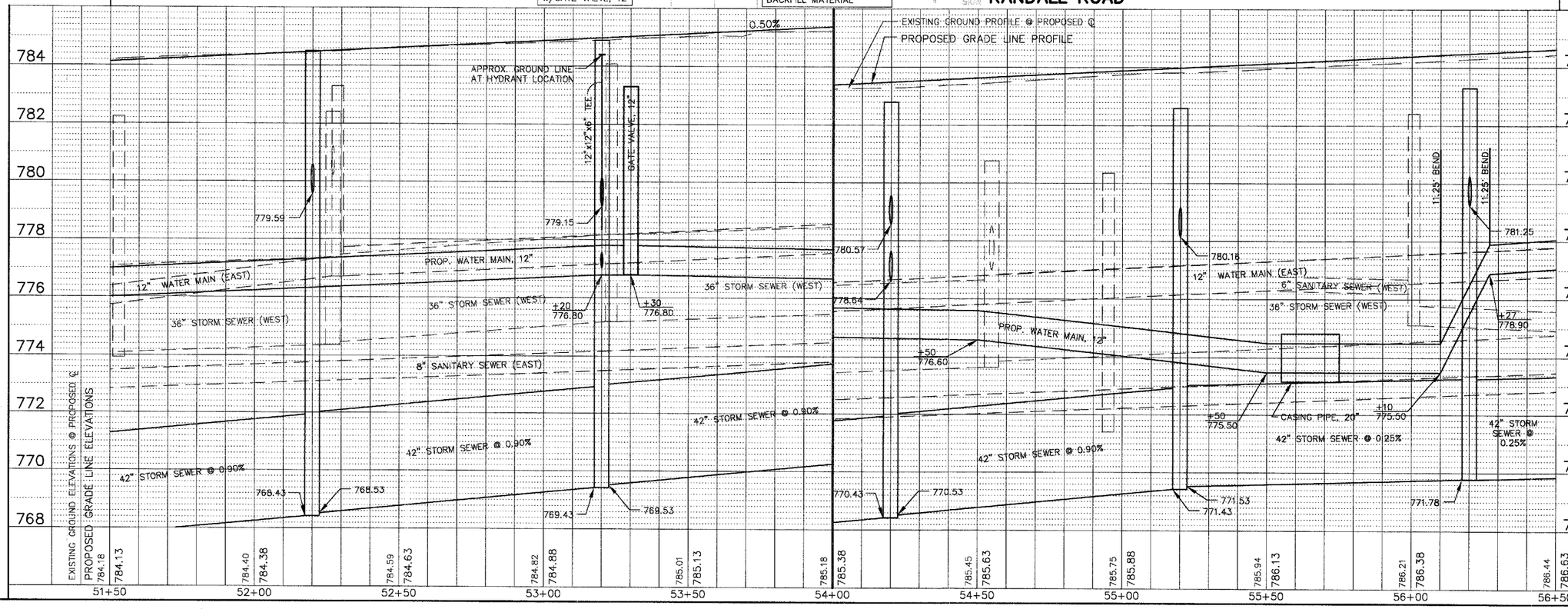
NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
198	52+20	8' LT		A 4			11V	784.30				780.30
199	52+20	8' RT		A 4			11V	784.30			780.15	780.05
200	52+20	54' RT	A 5				1C	784.50	768.43	768.53	779.59	
201	53+20	44' LT		A 4			24	784.56				780.56
202	53+20	8' LT		A 4			11V	784.80			780.19	780.09
203	53+20	CL		A 4			8	785.10			780.02	779.92
204	53+20	8' RT		A 4			11V	784.80			779.85	779.75
205	53+20	44' RT		A 4			24	784.56			779.38	779.28
206	53+20	54' RT	A 5				1C	784.90	769.43	769.53	779.15	
207	54+20	8' LT		A 4			11V	785.30				781.30
208	54+20	4.88' RT		A 4			11V	785.24			781.19	781.09
209	54+20	57' RT	A 5				1C	784.80	770.43	770.53	780.57	778.64
210	54+20	73' RT		C 2			8	782.80			778.80	
211	55+20	44' LT		A 4			24	785.56				781.56
212	55+20	8' LT		A 4			11V	785.80			781.19	781.09
213	55+20	1.12' LT		A 4			11V	785.62			781.04	780.94
214	55+20	53.12' RT		A 4			24	785.33			780.39	780.29
215	55+20	65' RT	A 5				1C	785.10	771.43	771.53	780.13	
216	56+10	8' LT		A 4			11V	786.25		782.16		
217	56+20	4' LT		A 4			11V	786.08	782.06			781.96
218	56+20	66' RT	A 5				1C	786.00	771.78	771.78	781.25	



SCALE: 1" = 20'

PIPE TABLE STA. 51+50 TO STA. 56+50

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	VOL (CY)
S179	200	197	SS 3 RCCP CL IV	42	100	0.90	100	351.1
S180	198	199	SS 1 RCCP CL IV	12	15	1.00	4	0.6
S181	199	200	SS 2 RCCP CL IV	12	46	1.00	41	5.4
S182	206	200	SS 3 RCCP CL IV	42	100	0.90	100	340.4
S183	201	202	SS 2 RCCP CL IV	12	37	1.00	37	4.9
S184	202	203	SS 2 RCCP CL IV	12	7	1.00	2	0.5
S185	203	204	SS 2 RCCP CL IV	12	7	1.00	2	0.5
S186	204	205	SS 2 RCCP CL IV	12	37	1.00	37	6.4
S187	205	206	SS 2 RCCP CL IV	12	9	1.44	2	1.5
S188	209	206	SS 3 RCCP CL IV	42	100	0.90	100	312.4
S189	207	208	SS 1 RCCP CL IV	12	11	1.00	2	0.3
S190	208	209	SS 2 RCCP CL IV	12	52	1.00	47	6.2
S191	210	209	SS 2 RCCP CL IV "O" RING	12	16	1.00	12	4.6
S192	215	209	SS 3 RCCP CL IV	42	100	0.90	100	286.6
S193	211	212	SS 2 RCCP CL IV	12	37	1.00	37	4.9
S194	212	213	SS 2 RCCP CL IV	12	5	1.00	5	0.7
S195	213	214	SS 2 RCCP CL IV	12	55	1.00	55	7.3
S196	214	215	SS 2 RCCP CL IV	12	11	1.44	2	0.8
S197	218	215	SS 2 RCCP CL IV	42	100	0.25	100	275.8
S198	216	217	SS 1 RCCP CL IV	12	10	1.00	10	1.3
S199	217	218	SS 2 RCCP CL IV	12	71	1.00	71	9.4



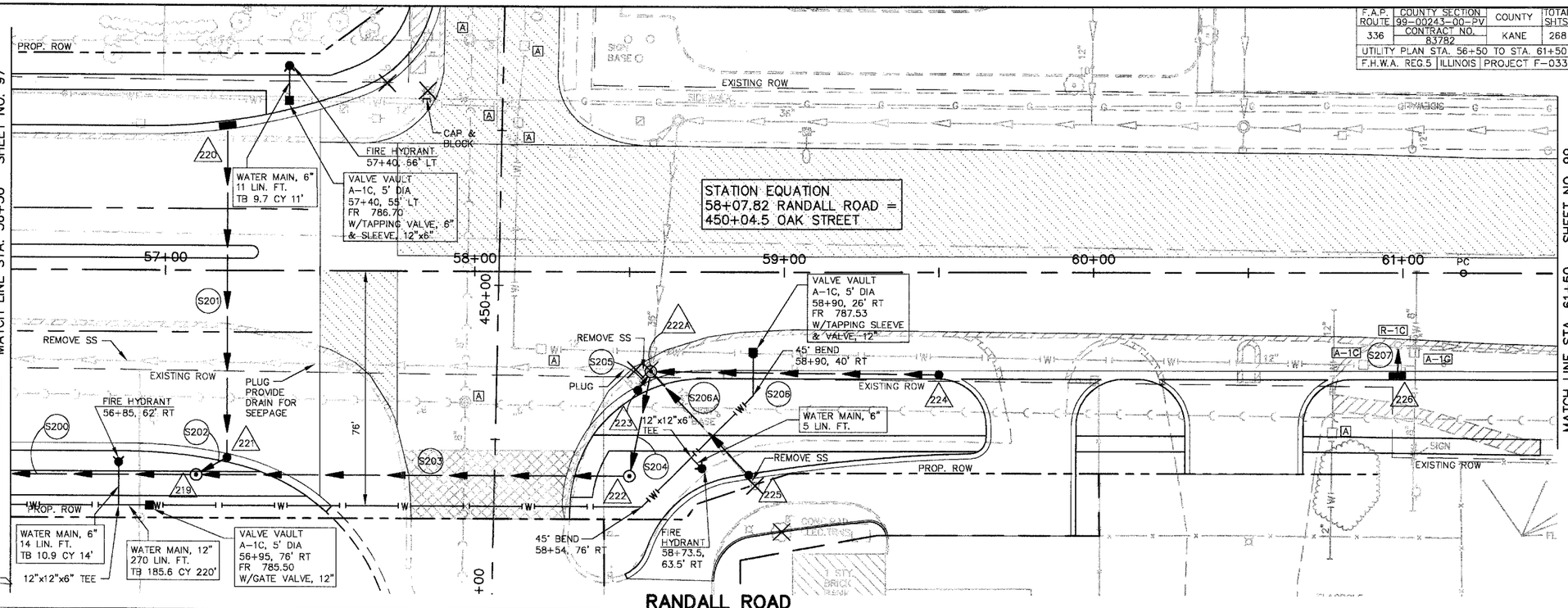
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		
UTILITY PLAN STA. 56+50 TO STA. 61+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	

RANDALL ROAD ℄ CURVE #4

RADIUS = 20000.00'
ARC LENGTH = 579.00'
CHORD LENGTH = 578.98'
TANGENT LENGTH = 289.52'
DEGREE OF CURVE = 00°-17'-11"
MID ORDINATE = 2.10'
EXTERNAL SECANT = 2.10'
INCLUDED ANGLE = 01°-39'-31"
PC = 61+19.52
PT = 66+98.52

MATCH LINE STA. 56+50 SHEET NO. 97

MATCH LINE STA. 61+50 SHEET NO. 99



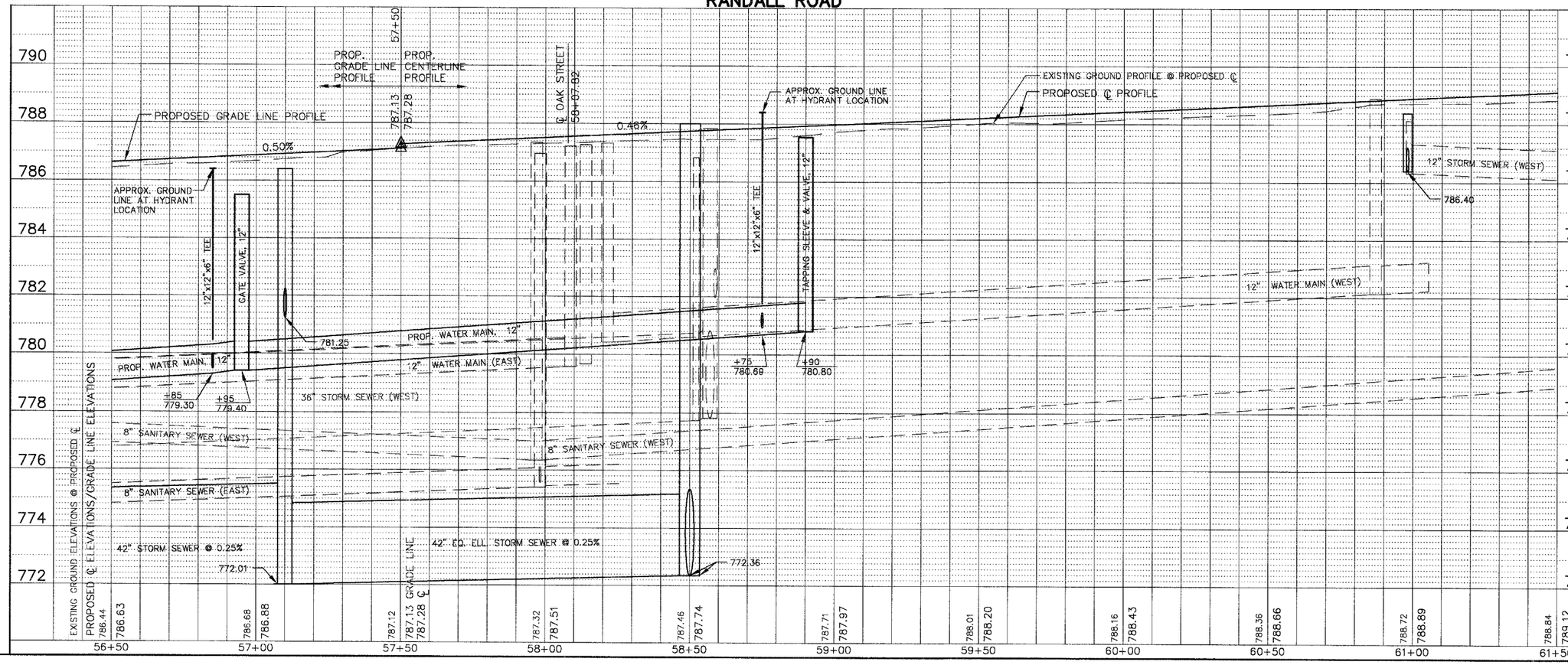
SCALE: 1" = 20'

DRAINAGE STRUCTURE TABLE STA. 56+50 TO STA. 61+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
219	57+10	66' RT	A 7				1C	786.40	772.01	772.01	781.25	
220	57+20	45.69' LT			A 2		24	788.53				783.40
221	57+20	59.23' RT		A 4			24	786.24			782.33	781.36
222	58+50	66' RT	A 7				1C	788.00	772.36		772.36	
222A	58+57	32.5' RT	A 5				1C	787.28	783.12	782.79	777.83 EX	772.53
											SW 783.28	
223	58+52	37.33' RT		A 4			24	787.19		783.19		
224	59+50	32' RT		A 4			24	787.72	783.72			
225	58+90	66.6' RT		A 4			11V	788.10			783.75	
226	60+98	32' RT			A 2		24	788.40			786.40	

PIPE TABLE STA. 56+50 TO STA. 61+50

PIPE NO.	PIPE LOCATION FROM STR #	PIPE LOCATION TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	TRENCH BACKFILL VOL (CY)
S200	219	218	SS 3 RCCP CL IV	42	90	0.25	90	253.1
S201	220	221	SS 1 RCCP CL IV	12	107	1.00	107	14.1
S202	221	219	SS 2 RCCP CL IV	12	11	1.00	11	7.3
S203	222	219	SS 3 RCCP CL IV	42	140	0.25	140	391.5
				EQ. ELL.				
S204	222A	222	SS 3 RCCP CL IV	36	34	0.50	24	84.8
S205	223	222A	SS 1 RCCP CL IV	12	7	1.00	7	0.9
S206	224	222A	SS 2 RCCP CL IV	12	93	1.00	93	12.3
			"O" RING					
S206A	225	222A	SS 1 RCCP CL IV	12	47	1.00	20	6.0
			"O" RING					
S207	226	EX	SS I DI CL52	10	9	0.56		



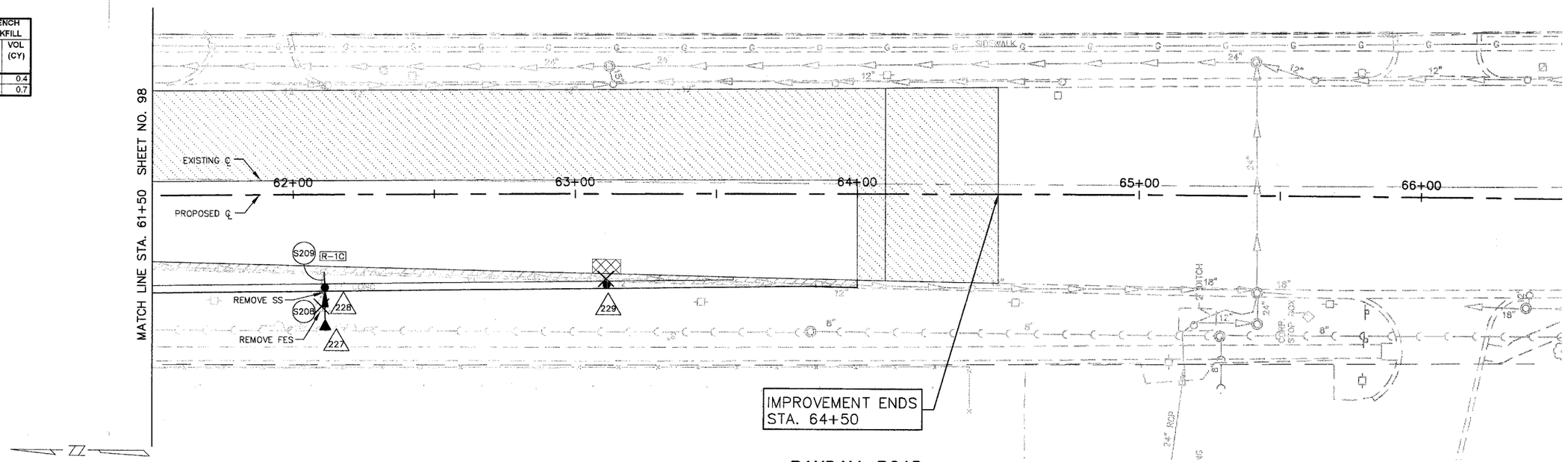
DRAINAGE STRUCTURE TABLE STA. 61+50 TO STA. 66+50

NO.	STA.	OFFSET	STRUCTURE TYPE/SIZE MH	CB	INL	OTHER	FRAME & GRATE	RIM ELEV EP/FR	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)
227	62+11	48.0' RT				PRC FES 12						786.15
228	62+11	31.79' RT		A 4			24	788.94			785.95	785.95
229	63+11	31.08' RT		A 4			24	789.58	785.64 EX.	785.64 EX.		

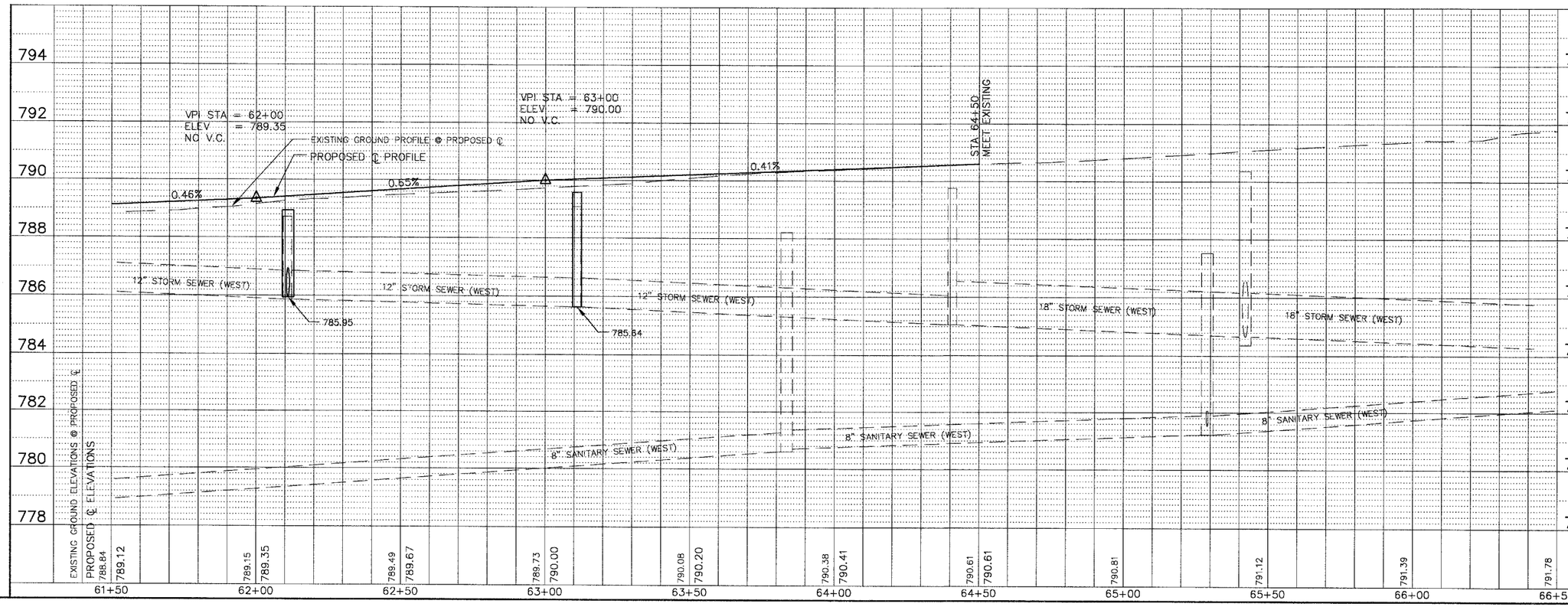
PIPE TABLE STA. 61+50 TO STA. 66+50

PIPE NO.	PIPE LOCATION FROM STR #	TO STR #	DESCRIPTION	DIA (IN)	L (FT)	S (%)	TRENCH BACKFILL L (FT)	VOL (CY)
S208	227	228	SS 1 RCCP IV	12	9	1.35	2	0.4
S209	228	EX	SS 1 RCCP IV	12	5	1.35	5	0.7

F.A.P. ROUTE	COUNTY SECTION 99-00243-00-PV	COUNTY	TOTAL SHTS.
336	CONTRACT NO. 83782	KANE	268
UTILITY PLAN STA. 61+50 TO STA 66+50			
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0	



SCALE: 1" = 20'



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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHTS.	SH
336	99-00243-00-PV STATE SECTION 83782	KANE	268	1
OAK STREET UTILITY PLAN				
F.H.W.A. REG.5	ILLINOIS	PROJECT F-0336(0		

MATCH LINE STA. 500+75 SHEET NO. 101

501+00 502+00 503+00 504+00 505+00 PC = 505+19.8360 506+00

45° BEND
501+28
25' RT

25

CASING PIPE, 20"
40 LIN. FT.

RAW WATER
DISTRIBUTION MAIN, 12"
397 LIN. FT.
TB 46.7 CY 65'

503+01.2
BIT CE. 27'

CASING PIPE, 20"
30 LIN. FT.

VALVE VAULT
A-1C, 5' DIA
504+50, 25' RT
FR 791.40
W/GATE VALVE 12"

6"x12" REDUCER

RAW WATER
DISTRIBUTION MAIN, 6"
10 LIN. FT.

FIRE HYDRANT
504+60, 25' RT

SCALE: 1" = 20'

OAK STREET

794 792 790 788 786 784 782 780 778 776

APPROX. GROUND LINE AT HYDRANT LOCATION

EXISTING ℄ PROFILE

15" STORM SEWER

24" STORM SEWER

12" STORM SEWER

PROP. RAW WATER DIST. MAIN, 12"

CASING PIPE, 20"

6"x12" REDUCER

PROP. RAW WATER DIST. MAIN, 6"

12" WATER MAIN

+50
783.70

12" WATER MAIN

8" SAN. SEWER

8" SAN. SEWER

8" SAN. SEWER

12" WATER MAIN

45° BEND
+28
781.30

CASING PIPE, 20"

CASING PIPE, 20"

EXISTING ℄ ELEVATIONS
PROPOSED ℄ ELEVATIONS
787.07 786.75 787.60 788.02 787.66 788.04 788.73 789.51 790.26 791.00 791.44 791.76 791.49

500+00 500+50 501+00 501+50 502+00 502+50 503+00 503+50 504+00 504+50 505+00 505+50 506+00