

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	1

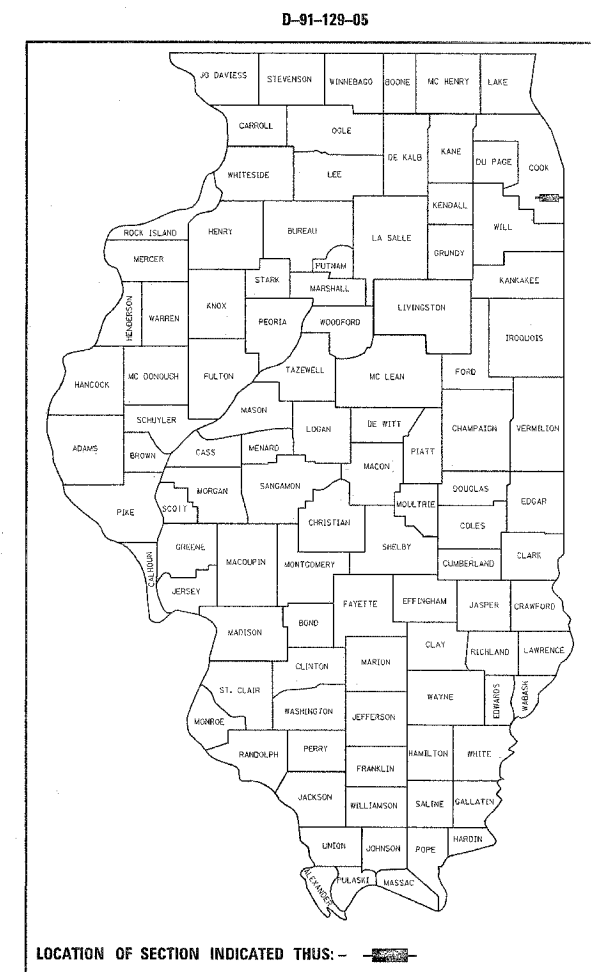
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

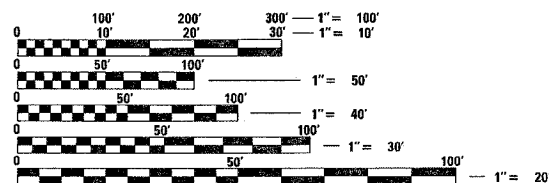
FAU ROUTE 2946: WENTWORTH AVENUE
AT RIVER OAKS DRIVE
SECTION: 3368 A-N
CHANNELIZATION, TRAFFIC SIGNAL MODERNIZATION,
WIDENING AND RESURFACING
PROJECT: **HSIP-2946(003)**
COOK COUNTY
C-91-129-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN
THE CITY OF CALUMET CITY

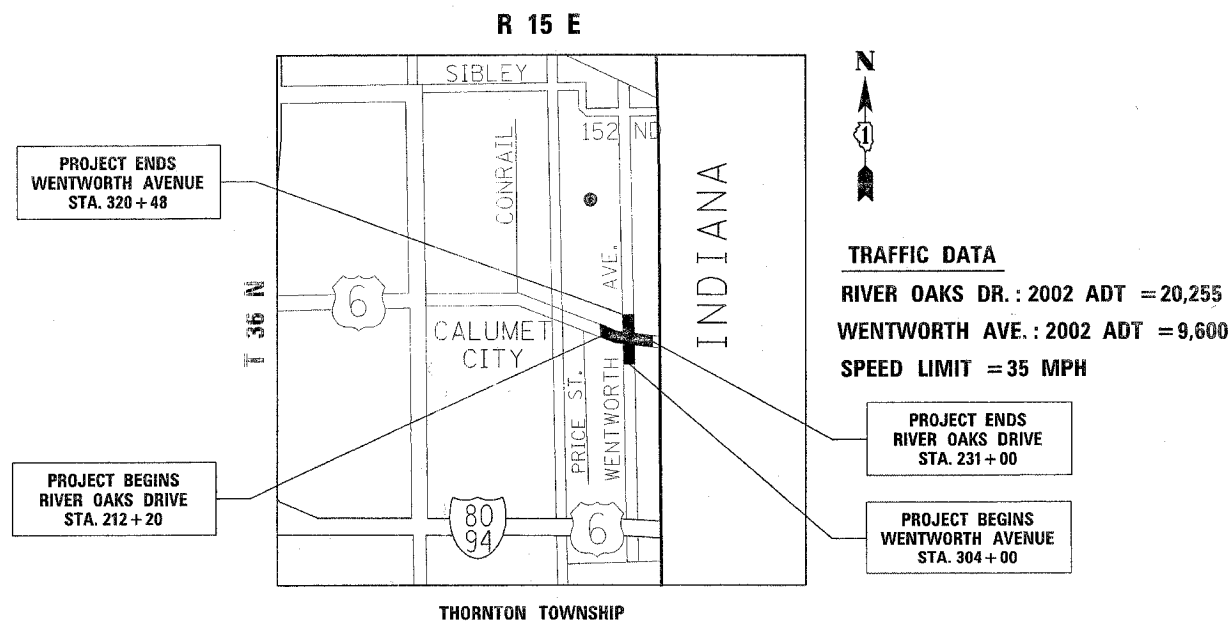


DISTRICT ONE - DESIGN & PLAN PREPARATION ENGINEER - KEN ENG/LONG TRAN (847) 705-4240



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

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



TRAFFIC DATA

RIVER OAKS DR.: 2002 ADT = 20,255
WENTWORTH AVE.: 2002 ADT = 9,600
SPEED LIMIT = 35 MPH

GROSS AND NET LENGTH OF PROJECT = 3528 FEET = 0.67 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED *March 27 2007*
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 14 2007
Eric E. Horn
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT
May 14 2007
Milton R. Seay
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

INDEX OF SHEETS

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18-19	EXISTING AND PROPOSED ROADWAY PROFILE
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53	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
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61	BENCHING DETAIL FOR EMBANKMENT WIDENING
62	DRIVEWAY DETAILS- DISTANCE BETWEEN R.O.W AND FACE OF CURB LESS THAN 4.5 M (15')
63	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 4.5 M (15')
64	MANHOLE WITH RESTRICTOR PLATE
65-74	CROSS SECTIONS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATION OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTICE IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CALUMET CITY.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSUITABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACEMENT WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 IF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-417 AT LEAST 72 HOURS PRIOR TO PLANTING FOR LAYOUT OF THE TREES AND PERENNIALS.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

THE CONTRACTOR SHALL MAKE USE OF FIXED OR PORTABLE DYNAMIC MESSAGE SIGNS TO PROVIDE 72 HOURS ADVANCE NOTICE TO MOTORISTS FOR NEW OR CHANGING LANE THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 TWO WEEKS PRIOR TO INSTALLATION OF FINAL PAVEMENT MARKINGS.

THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.

TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHING THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.

COMMITMENT: AS PART OF ROADWAY PROJECT, FIVE TREES FROM THE FOREST PRESERVE DISTRICT OF COOK COUNTY WILL BE REMOVED AND REPLACED. FOLLOW UP WILL NEEDED TO BE COORDINATED WITH THE FPDCC REPRESENTATIVE DANIEL WEBER FOR THE MITIGATION COMPENSATION PROCESS.

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-03	TEMPORARY EROSION CONTROL SYSTEM
424001-04	SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
442201-02	CLASS C AND D PATCHES
482011-02	HMA SHOULDER STRIPS/ SHOULDER WITH RESURFACING OR WIDENING & RESURFACING PROJECTS
542301-01	PRECAST REINF. CONC. FLARED END SECTION
602011	CATCH BASIN, TYPE C
602401-01	MANHOLE, TYPE A
602406-02	MANHOLE, TYPE A 1800 mm (72") DIAMETER
602416	MANHOLE, TYPE A 2.4 m (8') DIAMETER
604001-02	FRAME AND LIDS, TYPE 1
604086-01	FRAME AND GRATE, TYPE 23
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
701106-01	OFF-RD OPERATION, MULTILANE, MORE THAN 4.5 M (15') FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATION DAY ONLY
701306-01	FOR SPEEDS ≥ 45 MPH
701311-02	
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAIL
814001-01	CONCRETE HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		WENTWORTH AVE. AT RIVER OAKS DR. INDEX OF SHEETS, STATE STANDARDS AND PLAN NOTES SCALE: VERT. NONE HORIZ. DATE 3/27/2007 DRAWN BY CHECKED BY

Rev

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT: 62915				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1136	1136					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	2133	2133					
20101000	TEMPORARY FENCE	FOOT	600	600					
20101200	TREE ROOT PRUNING	EACH	15	15					
20200100	EARTH EXCAVATION	CU YD	2985	2985					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1181	1181					
20400800	FURNISHED EXCAVATION	CU YD	1927	1927					
20800150	TRENCH BACKFILL	CU YD	275	275					
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14		14				
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	11400	11400					
* 21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	926	926					
* 21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	10736	10722	14				
* 25000312	SEEDING, CLASS 4A	ACRE	0.3	0.3					
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	132	132					
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	132	132					
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	132	132					
* 25100630	EROSION CONTROL BLANKET	SQ YD	1606	1606					
25200110	SODDING, SALT TOLERANT	SQ YD	10736	10722	14				
* 25200200	SUPPLEMENTAL WATERING	UNIT	30	30					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200					
28000300	TEMPORARY DITCH CHECKS	EACH	14	14					
28000400	PERIMETER EROSION BARRIER	FOOT	3100	3100					
28000510	INLET FILTERS	EACH	7	7					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	74	74					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	446	446					
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	3325	3325					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15	15					
40600300	AGGREGATE (PRIME COAT)	TON	71	71					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	11	11					
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	102	102					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	430	430					
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	59	59					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1523	1523					
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	192	192					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1538	620			918		
44000100	PAVEMENT REMOVAL	SQ YD	926	926					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	14286	14286					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1643	1643					
44000300	CURB REMOVAL	FOOT	971	971					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	921	921					
44000600	SIDEWALK REMOVAL	SQ FT	594	594					
44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SQ YD	3069	3069					
44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	505	505					
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	1911	1911					
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	253	253					
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	400	400					
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	665	665					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1380	1380					
50200100	STRUCTURE EXCAVATION	CU YD	19				19		
50300225	CONCRETE STRUCTURES	CU YD	17				17		
50300300	PROTECTIVE COAT	SQ YD	1025	1025					
* 51202210	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	306				306		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1470				1470		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4					
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1					

* SPECIALTY ITEM

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
WENTWORTH AVE. AT RIVER OAKS DR.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT: 62915				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-IF 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50%STATE 50%CALUMET CITY		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2					
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2					
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	40	40					
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	270	270					
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	711	711					
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	207	207					
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	244	244					
55100500	STORM SEWER REMOVAL 12"	FOOT	547	547					
55100700	STORM SEWER REMOVAL 15"	FOOT	364	364					
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	3	3					
60107600	PIPE UNDERDRAINS 4"	FOOT	600	600					
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	6	6					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5					
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1					
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60500040	REMOVING MANHOLES	EACH	2	2					
60500050	REMOVING CATCH BASINS	EACH	4	4					
60600605	CONCRETE CURB, TYPE B	FOOT	350	350					
60603300	GUTTER OUTLET	EACH	3	3					
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1733	1733					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	907	907					
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	110	110					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-IF 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50%STATE 50%CALUMET CITY		
63200305	STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	150	150					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	L SUM	1	1					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4150	4150					
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	364	364					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15220	15220					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1643	1643					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	136	136					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	135	135					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	460	460					
* 72000100	SIGN PANEL - TYPE 1	SQ FT	36					36	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	364	364					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15220	15220					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1643	1643					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	136	136					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	135	135					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	310	310					
* 78300100	PAVEMENT MARKING REMOVAL	SQ. FT.	160	160					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	233	233					

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
WENTWORTH AVE. AT RIVER OAKS DR.

Rev.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1050			1050			
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	132			132			
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	197			197			
* 81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	45			45			
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	182			182			
* 81400100	HANDHOLE	EACH	7			7			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4			4			
* 81400300	DOUBLE HANDHOLE	EACH	1			1			
* 81900205	TRENCH AND BACKFILL FOR ELECTRICAL WORK (SPECIAL)	FOOT	1182			1182			
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	185			185			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	205			205			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	861			861			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1660			1660			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2712			2712			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	30			30			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4			4			
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1			1			
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1			
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1			1			
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16			16			

* SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4			
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30			30			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30			30			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4			4			
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4			
* 88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2			2			
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8			8			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	9			9			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	810			810			
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2			2			
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1			
* A2002466	TREE, BETULA NIGRA HERITAGE (HERITAGE RIVER BIRCH), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	13	13					
* A2004820	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7					
* A2005556	TREE, NYSSA SYLVATICA (BLACK TUPELO), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	14	14					
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12					
* A2006600	TREE, QUERCUS COCCINEA (SCARLET OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	8	8					
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	14	14					
* B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	16	16					

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
WENTWORTH AVE. AT RIVER OAKS DR.

3/27/2007

CONTRACT: 62915

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
* B2005316	TREE, MALUS ZUMI CALOCARPA (REDBUD ZUMI CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	9	9					
* B2006116	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6					
* C2007218	SHRUB, ROSA KNOCKOUT (KNOCKOUT ROSE), 18" HEIGHT, CONTAINER	EACH	44	44					
* X0301407	PERENNIAL PLANTS, GALLON POT	UNIT	10	10					
* X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	76	76					
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8					
* X0322453	WEED CONTROL, PRE-EMERGENT	POUND	300	300					
X0322906	WEEP HOLES CORED	EACH	16		16				
X0323092	HEADWALL REMOVAL	EACH	1	1					
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	7	7					
X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	212		212				
X0325560	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER	EACH	7	7					
X0342600	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7					
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1884	1884					
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1				
X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1				
XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	1	1					
* XX001363	PERENNIAL PLANT, NARCISSUS	UNIT	10.5	10.5					
* XX004861	TREE, ULMUS CARPINIFOLIA ACCOLADE MORTON (ACCOLADE ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7					
XX005653	AGGREGATE BACKFILL CA-7	CU YD	5		5				
XX172700	MANHOLES, TYPE A, 8' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
XX197300	SLOTTED DRAIN	FOOT	35	35					

* SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		URBAN 1000-1A 90% FED 10% STATE	RETAINING WALL SFTY-2A 90% FED 10% STATE	TRAFFIC SIGNAL Y031-1F 90% FED 5% STATE 5% CALUMET CITY	NEW SIDEWALK SFTY-1B 50% STATE 50% CALUMET CITY		
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	3325	3325					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	3	3					
X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
X0325734	SLOTTED DRAIN REMOVAL	FOOT	35	35					
* X0325735	TREE, ACER FREEMANII CELZAM (CELEBRATION FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6					
* X0325736	TREE, MALUS PURPLE PRINCE (PURPLE PRINCE CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	9	9					

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
WENTWORTH AVE. AT RIVER OAKS DR.

3/27/2007

**TREE REMOVAL SCHEDULE
RIVER OAKS DRIVE**

STATION	OFFSET	DIAMETER
229+66	31' LT	10"
229+66	31' LT	18"
229+67	34' LT	10"
229+77	34' LT	14"
229+98	34' LT	7"
229+98	32' LT	11"
230+14	33' LT	14"
230+23	35' LT	7"
230+78	30' LT	14"
230+89	32' LT	9"

**TREE REMOVAL SCHEDULE
WENTWORTH AVENUE**

STATION	OFFSET	DIAMETER
309+95	30' RT	4"
310+06	30' RT	30"
310+26	30' RT	24"
310+53	33' LT	12"
310+90	29' RT	10"
311+18	29' RT	11"
311+45	30' RT	11"
311+74	31' RT	5"
312+08	34' RT	8"
315+20	46' LT	12"
315+22	46' LT	11"
315+26	43' LT	9"
315+33	50' LT	11"
315+58	43' RT	30"
315+62	46' LT	14"
315+74	41' LT	36"
315+83	48' RT	27"
315+83	48' RT	30"
315+86	37' LT	12"
315+95	48' LT	14"
316+13	37' RT	36"
316+19	50' RT	14"
316+34	42' LT	30"
316+34	44' LT	30"
316+40	46' LT	16"
316+50	41' LT	8"
316+64	49' RT	15"
316+66	43' LT	22"
316+83	40' LT	6"
316+88	31' LT	11"
316+94	37' RT	11"
316+95	30' LT	36"
316+95	30' LT	1"
316+96	32' LT	24"
316+96	33' LT	36"

**TREE REMOVAL SCHEDULE
WENTWORTH AVENUE**

STATION	OFFSET	DIAMETER
317+06	28' LT	8"
317+07	28' LT	10"
317+20	32' LT	10"
317+29	36' LT	42"
317+31	42' RT	6"
317+37	40' LT	30"
317+40	46' LT	6"
317+40	26' RT	46"
317+40	48' RT	12"
317+42	46' RT	40"
317+49	45' RT	30"
317+52	47' LT	12"
317+60	33' RT	46"
317+69	47' RT	11"
317+74	36' RT	24"
317+76	42' RT	16"
317+93	44' LT	16"
317+97	41' LT	12"
318+01	43' RT	8"
318+05	41' LT	14"
318+08	27' RT	24"
318+14	43' RT	16"
318+18	47' LT	12"
318+22	48' RT	18" DEAD
318+22	43' LT	9"
318+22	38' LT	14"
318+28	50' LT	12"
318+37	43' LT	12"
318+40	49' LT	10"
318+40	26' RT	36"
318+42	27' RT	40"
318+44	41' LT	10"
318+62	46' LT	12"
318+74	28' RT	40"
318+78	29' RT	42"

**TREE REMOVAL SCHEDULE
WENTWORTH AVENUE**

STATION	OFFSET	DIAMETER
318+87	34' LT	7"
319+02	38' RT	6"
319+06	44' LT	10"
319+06	44' LT	15"
319+08	48' LT	6"
319+08	48' LT	6"
319+08	48' LT	8"
319+08	48' LT	8"
319+08	48' LT	12"
319+23	45' RT	18"
319+52	42' LT	14"
319+62	45' RT	14"
319+63	50' LT	11"
319+70	37' RT	6"
319+75	44' LT	12"
319+77	34' LT	18"
319+77	36' LT	42"
319+81	50' LT	36"
319+98	33' RT	14"
320+00	32' RT	11"
320+00	40' LT	6"
320+03	37' RT	42"
320+04	37' RT	6"
320+04	49' RT	7"
320+10	37' RT	12"
320+18	45' LT	8"
320+24	27' RT	36"
320+26	27' RT	42"
320+44	48' LT	15"
320+50	42' LT	46"

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**WENTWORTH AVENUE
@ RIVER OAKS DRIVE
SCHEDULE OF QUANTITIES**

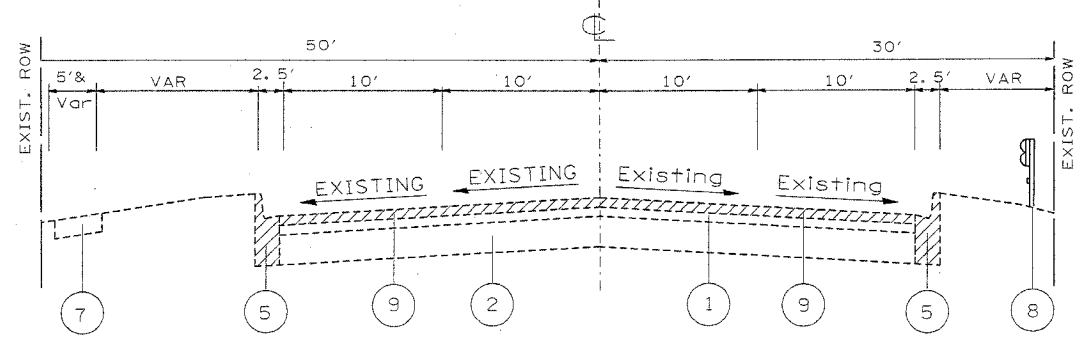
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DATE _____

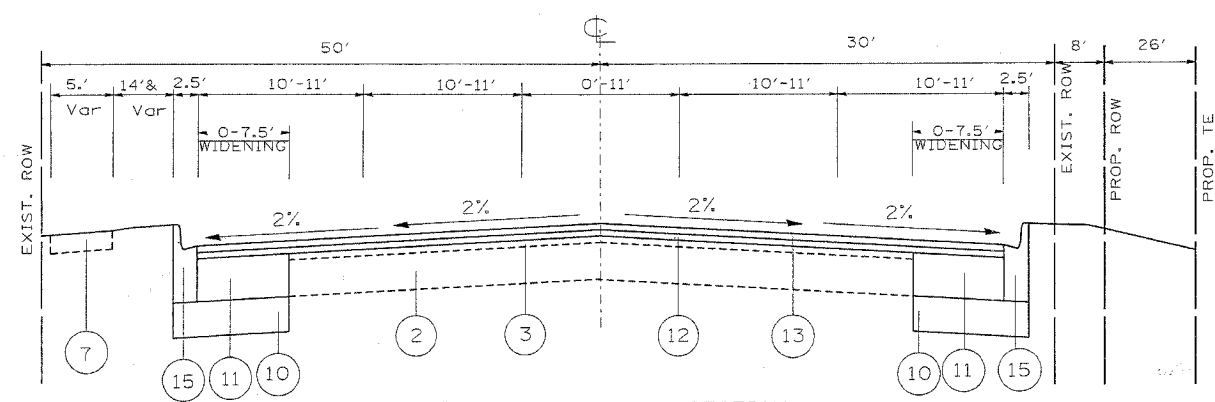
DRAWN BY _____
 CHECKED BY _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		

CONTRACT: 62915



EXISTING TYPICAL SECTION
RIVER OAKS DRIVE
STA 212+20 TO STA 215+20



PROPOSED TYPICAL SECTION
RIVER OAKS DRIVE
STA 212+20 TO STA 215+20

NOTE: EXISTING GUARDRAIL TO BE REMOVED FROM STA. 213+75 TO STA. 215+20

LEGEND

- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5.5" (+/-)
- ② EXISTING PCC PAVEMENT, 7.5"
- ③ EXISTING HOT-MIX ASPHALT AFTER MILLING
- ④ EXISTING CURB, TYPE B
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ EXISTING AGGREGATE SHOULDER
- ⑦ EXISTING SIDEWALK
- ⑧ EXISTING GUARDRAIL
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑩ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 1" MIN AND VARIES TO 7"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
- ⑭ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑮ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
- ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
- ⑱ PROPOSED PCC SIDEWALK, 5"

▨ DENOTES REMOVAL

HMA MIXTURE REQUIREMENTS

MIXTURE USE	AC TYPE	AIR VOIDS(%)
PAVEMENT PATCHING		
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	* PG 64-22	4 % @ 70 GYR.
CLASS D PATCHES (BINDER), 7" (HMA BINDER IL-19 MM)	* PG 64-22	4 % @ 70 GYR.
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2" (IL-9.5 MM)	PG 64-22	4 % @ 50 GYR.
POLY. LEVELING BINDER (MM), IL 4.75, N50, 1"	SBS/SBR PG76-28/22	4 % @ 50 GYR.
SHOULDER AND BASE COURSE		
HOT-MIX ASPHALT SHOULDER, 8"	* PG 64-22/58-22	2 % @ 30 GYR.
HOT-MIX ASPHALT BASE COURSE, 9.5" (HMA BINDER IL-19 MM)	PG 64-22/58-22	4 % @ 70 GYR.
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (IL-9.5 MM)	PG 64-22/58-22	4 % @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19 MM)	PG 64-22/58-22	4 % @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19 MM)	PG 64-22/58-22	4 % @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 IBS/SY.IN
 * WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS	
NAME	DATE

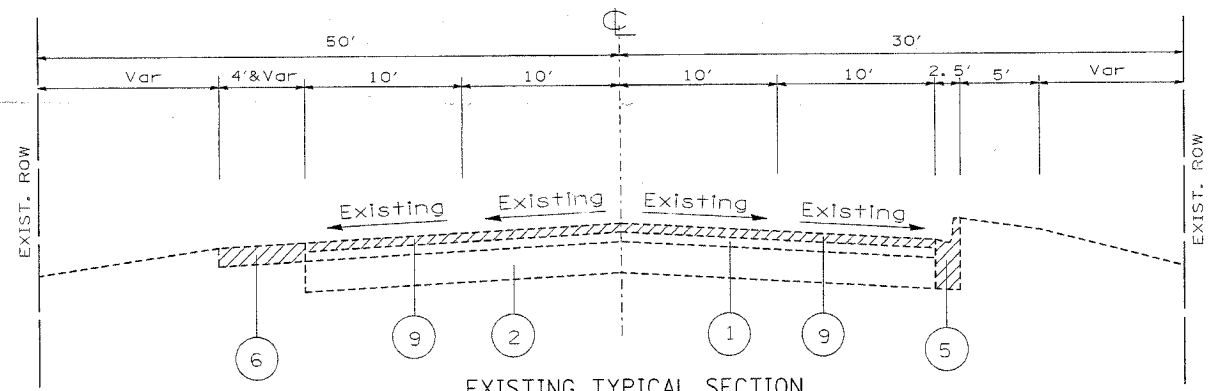
ILLINOIS DEPARTMENT OF TRANSPORTATION
**RIVER OAKS DRIVE
 TYPICAL SECTIONS**
 SCALE: VERT. NONE
 HORIZ. DATE 3/26/2007
 DRAWN BY
 CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		

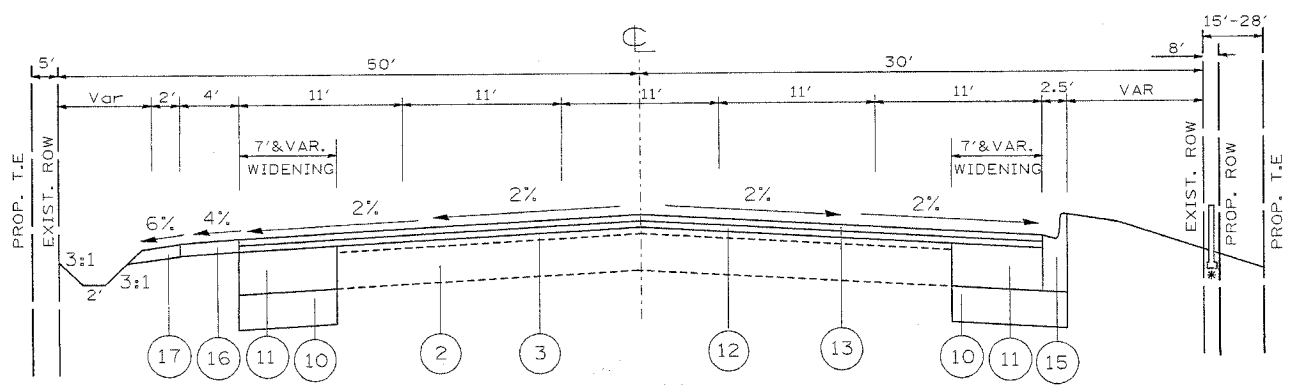
CONTRACT: 62915

LEGEND

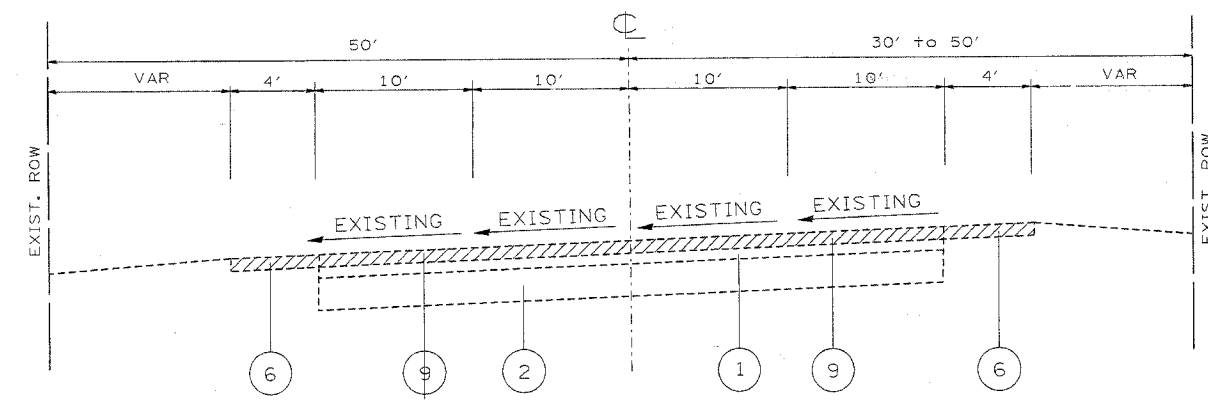
- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5.5" (+/-)
 - ② EXISTING PCC PAVEMENT, 7.5"
 - ③ EXISTING HOT-MIX ASPHALT AFTER MILLING
 - ④ EXISTING CURB, TYPE B
 - ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑥ EXISTING AGGREGATE SHOULDER
 - ⑦ EXISTING SIDEWALK
 - ⑧ EXISTING GUARDRAIL
 - ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - ⑩ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2"
 - ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 1" MIN AND VARIES TO 7"
 - ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
 - ⑭ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - ⑮ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
 - ⑱ PROPOSED PCC SIDEWALK, 5"
- ▨ DENOTES REMOVAL



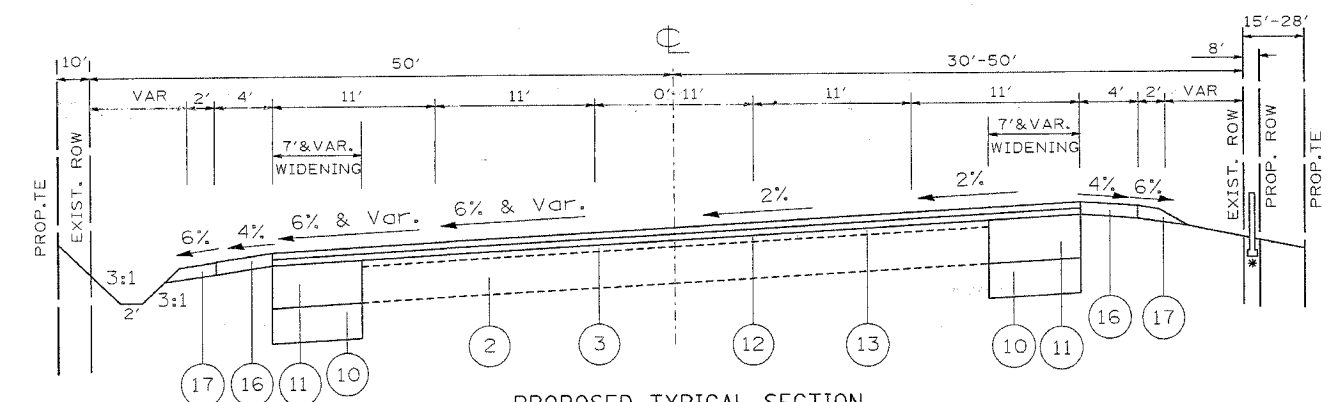
EXISTING TYPICAL SECTION
RIVER OAKS DRIVE
STA 215+20 TO STA 217+85



PROPOSED TYPICAL SECTION
RIVER OAKS DRIVE
STA 215+20 TO STA 217+85



EXISTING TYPICAL SECTION
RIVER OAKS DRIVE
STA 217+85 TO STA 224+56



PROPOSED TYPICAL SECTION
RIVER OAKS DRIVE
STA 217+85 TO STA 224+56

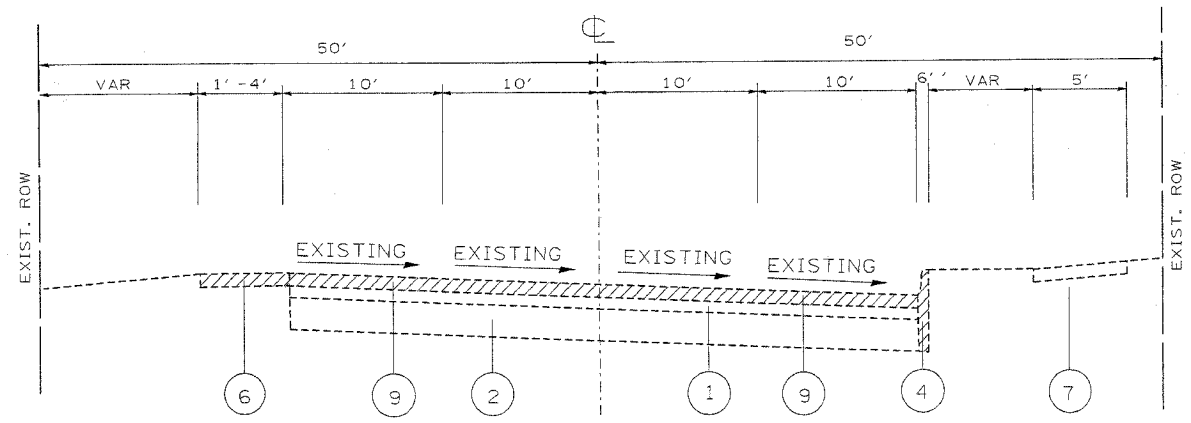
* PROPOSED RETAINING WALL FROM STA 217+79 TO STA 219+8

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RIVER OAKS DRIVE TYPICAL SECTIONS

SCALE: VERT. NONE
HORIZ. DATE 3/26/2007

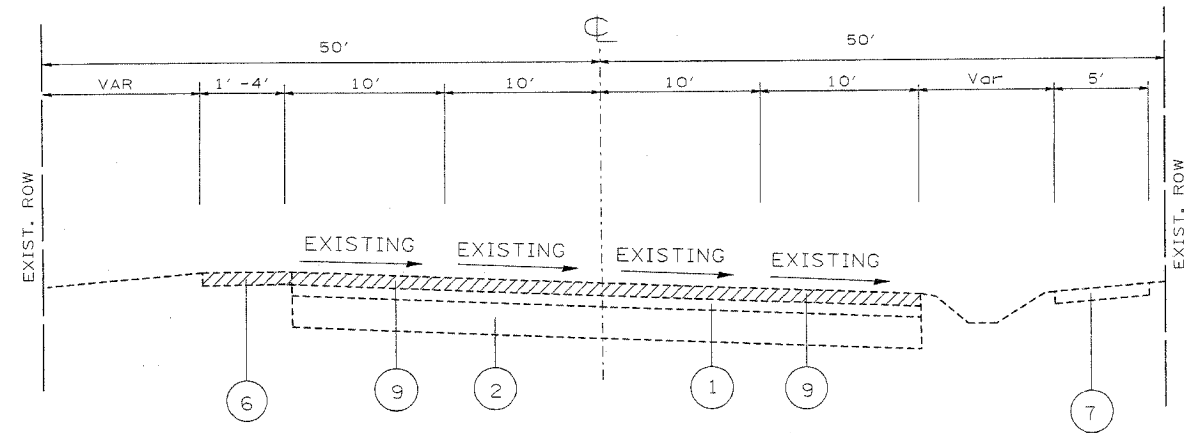
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CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	
CONTRACT: 62915				

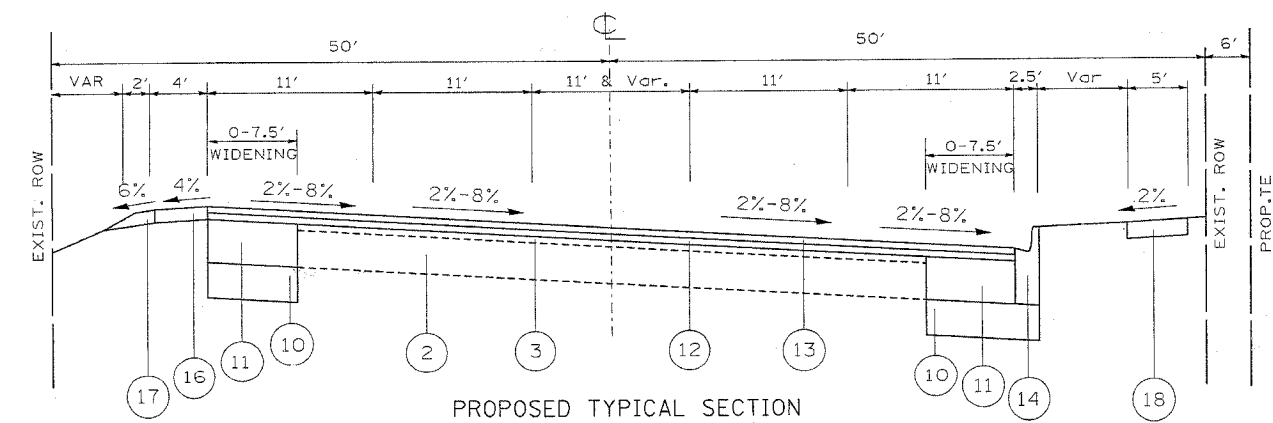


EXISTING TYPICAL SECTION
RIVER OAKS DRIVE
STA 224+56 TO STA 228+56

NOTE: EXISTING CURB AND SIDEWALK FROM STA 225+00 TO STA 226+12



EXISTING TYPICAL SECTION
RIVER OAKS DRIVE
STA 228+56 TO STA 231+00



PROPOSED TYPICAL SECTION
RIVER OAKS DRIVE
STA 224+56 TO STA 231+00

NOTE: 6' PROPOSED TE FROM STA 228+00 TO STA 228+61
PROPOSED SIDEWALK FROM STA 226+12 TO STA 228+00

LEGEND

- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5.5" (+/-)
 - ② EXISTING PCC PAVEMENT, 7.5"
 - ③ EXISTING HOT-MIX ASPHALT AFTER MILLING
 - ④ EXISTING CURB, TYPE B
 - ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑥ EXISTING AGGREGATE SHOULDER
 - ⑦ EXISTING SIDEWALK
 - ⑧ EXISTING GUARDRAIL
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 - ⑮ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
 - ⑱ PROPOSED PCC SIDEWALK, 5"
- ▨ DENOTES REMOVAL

PIPE UNDERDRAIN NOTES:

LONGITUDINAL UNDERDRAINS MUST BE PLACED ALONG THE OUTSIDE EDGES OF THE WIDENING AREAS AT THE DEPTH OF 30-INCHES BELOW THE PROPOSED PAVEMENT GRADE FOR THE FOLLOWING LOCATIONS:

- WENTWORTH AVE.
- STA. 312+50 TO STA. 313+50, WEST WIDENING
- STA. 315+35 TO STA. 316+35, EAST WIDENING
- STA. 315+35 TO STA. 316+35, WEST WIDENING
- RIVER OAKS DRIVE
- STA. 215+00 TO STA. 216+00, NORTH WIDENING
- STA. 222+15 TO STA. 223+15, NORTH WIDENING
- STA. 225+00 TO STA. 226+00, SOUTH WIDENING

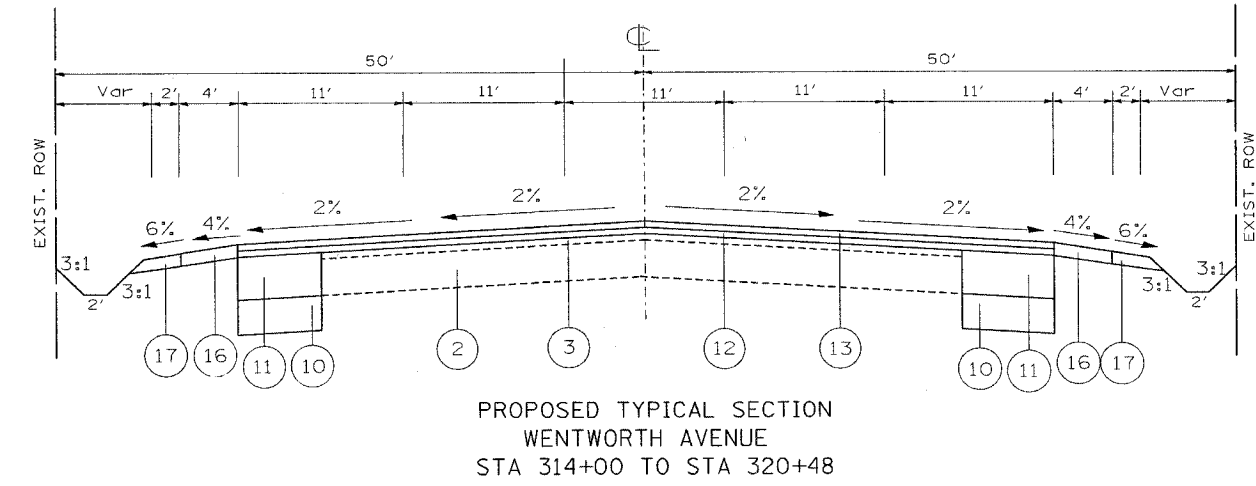
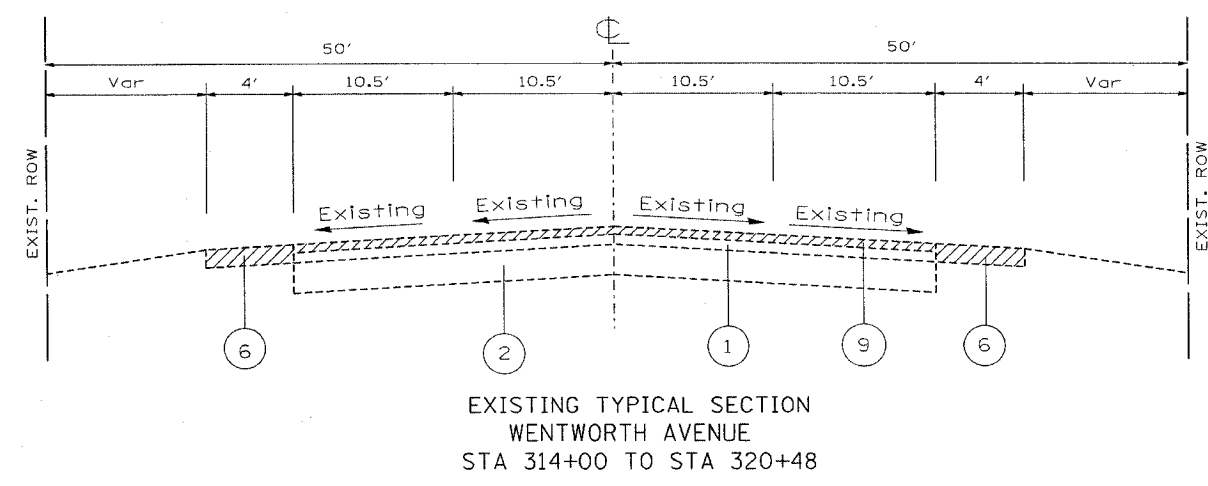
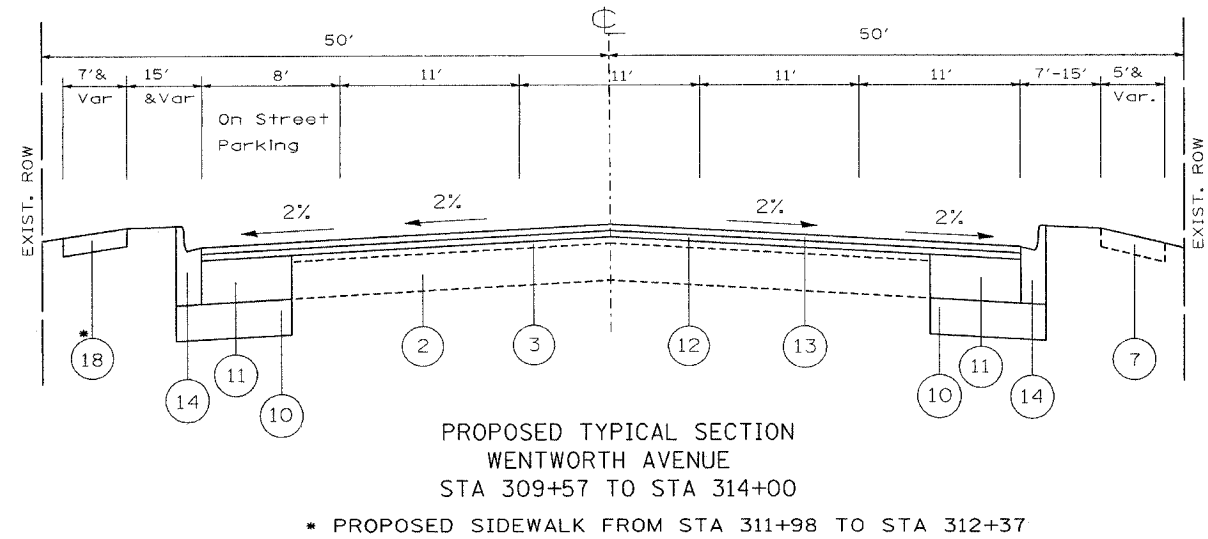
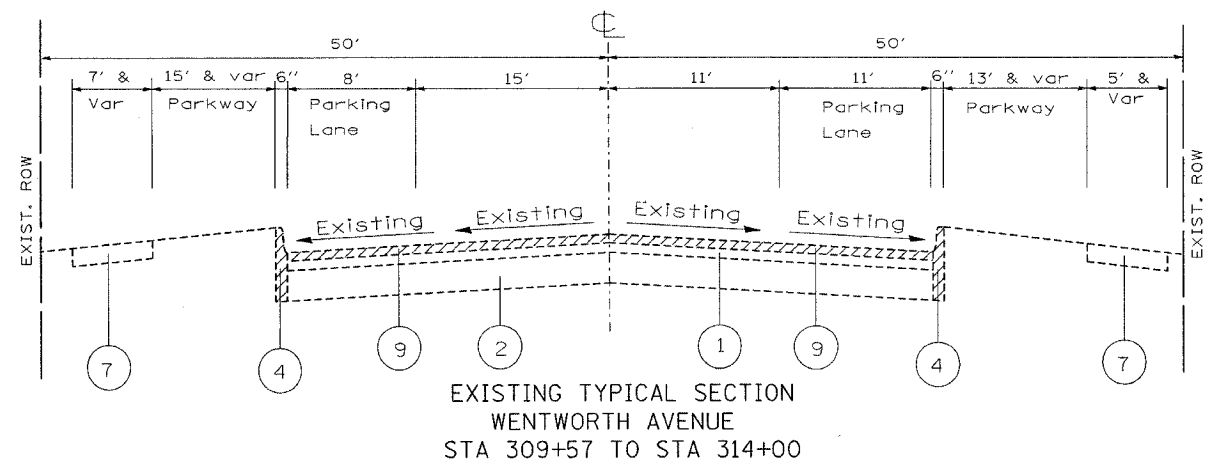
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RIVER OAKS DRIVE TYPICAL SECTIONS

SCALE: VERT. NONE
HORIZ. DATE 3/26/2007

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT: 62915



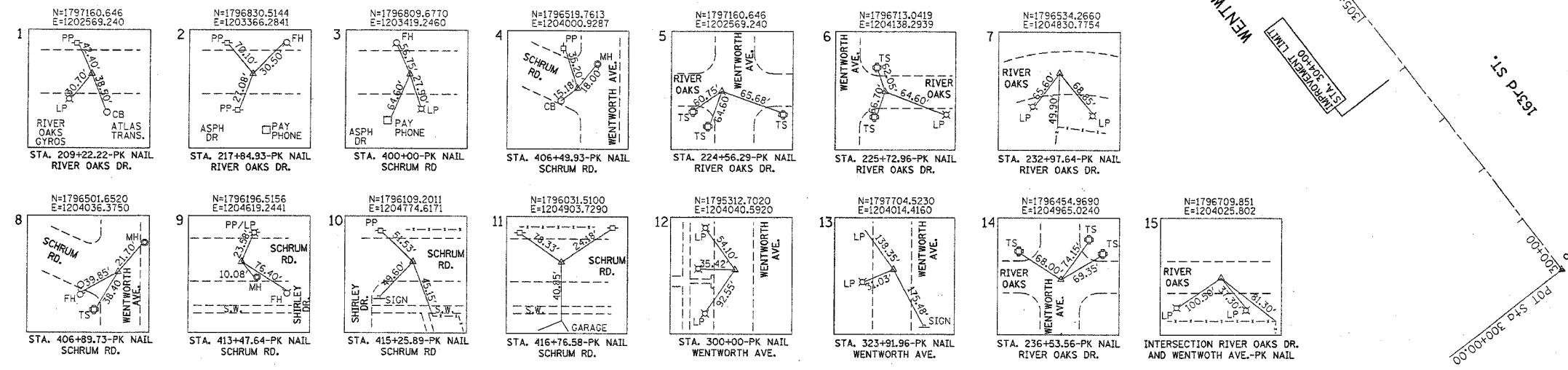
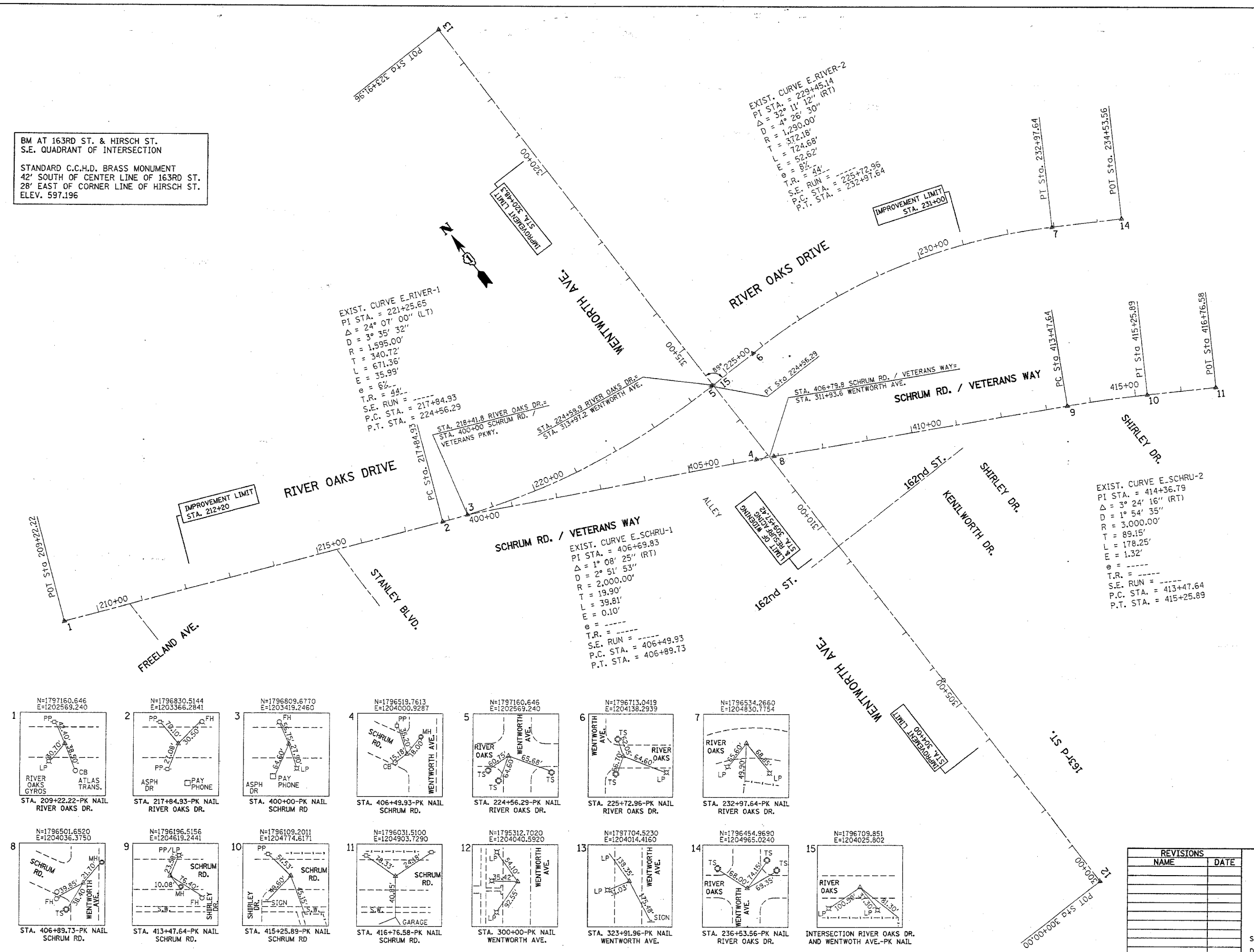
LEGEND

- ① EXISTING HOT-MIX ASPHALT OVERLAY, 5.5" (+/-)
 - ② EXISTING PCC PAVEMENT, 7.5"
 - ③ EXISTING HOT-MIX ASPHALT AFTER MILLING
 - ④ EXISTING CURB, TYPE B
 - ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑥ EXISTING AGGREGATE SHOULDER
 - ⑦ EXISTING SIDEWALK
 - ⑧ EXISTING GUARDRAIL
 - ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - ⑩ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑪ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/2"
 - ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 1" MIN AND VARIES TO 7"
 - ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.5"
 - ⑭ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - ⑮ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 8"
 - ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B, 6"
 - ⑱ PROPOSED PCC SIDEWALK, 5"
- ▨ DENOTES REMOVAL

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		WENTWORTH AVENUE TYPICAL SECTIONS
SCALE: VERT. NONE HORIZ. DATE 3/26/2007		DRAWN BY CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE NO.
2946	3368 A-N	COOK	74	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BM AT 163RD ST. & HIRSCH ST.
S.E. QUADRANT OF INTERSECTION
STANDARD C.C.H.D. BRASS MONUMENT
42' SOUTH OF CENTER LINE OF 163RD ST.
28' EAST OF CORNER LINE OF HIRSCH ST.
ELEV. 597.196



DATE = 1/25/2007
DRAWN BY = J. J. J. / J. J.
CHECKED BY = J. J. J. / J. J.
USER NAME = J. J. J. / J. J.

REVISIONS	
NAME	DATE

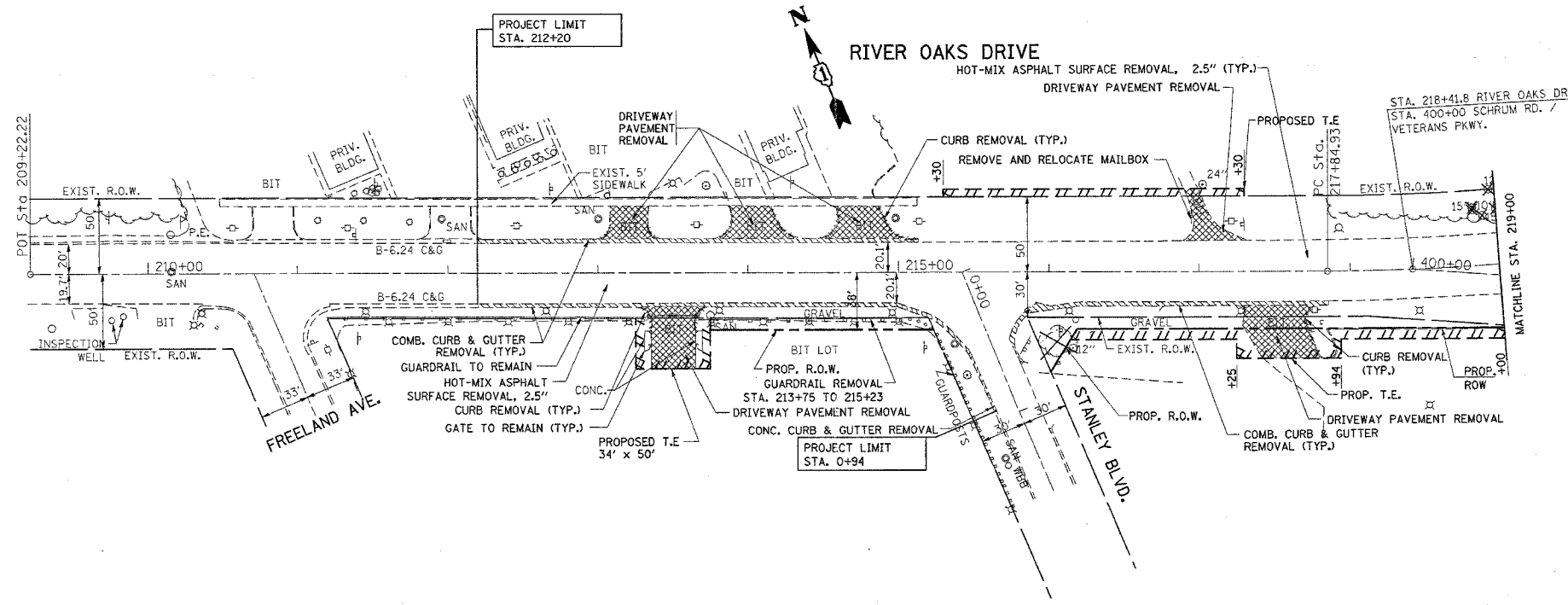
ILLINOIS DEPARTMENT OF TRANSPORTATION

WENTWORTH AVE. AT RIVER OAKS DRIVE ALIGNMENT & TIE PLAN

SCALE: VERT. 1"=100'
HORIZ. 1"=100'
DATE 1/25/2007

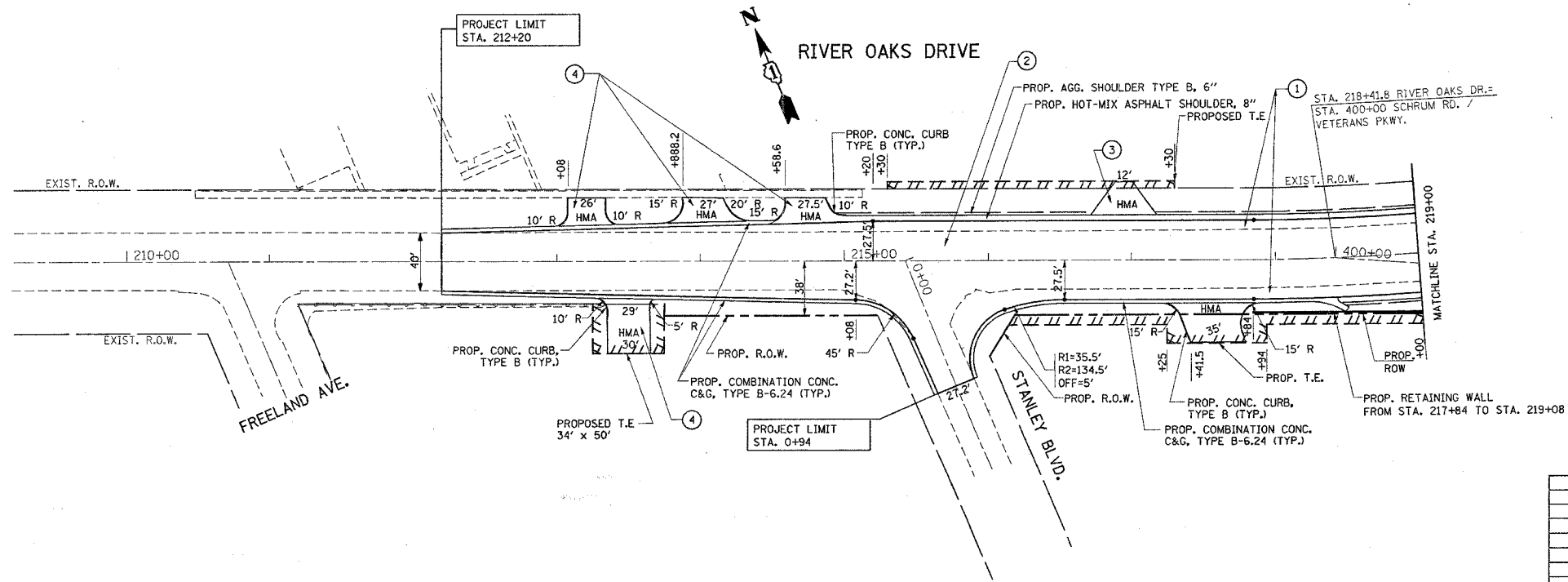
DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	14
STA. 209+22		TO STA. 219+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING

PROPOSED



LEGEND

- ① (WIDENING)
 - PROP. AGGREGATE SUBGRADE, 12"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 9.5"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ② (RESURFACING)
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ③ (PE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 6"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ④ (CE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 8"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RIVER OAKS DRIVE
EXISTING & PROPOSED
ROADWAY PLAN**

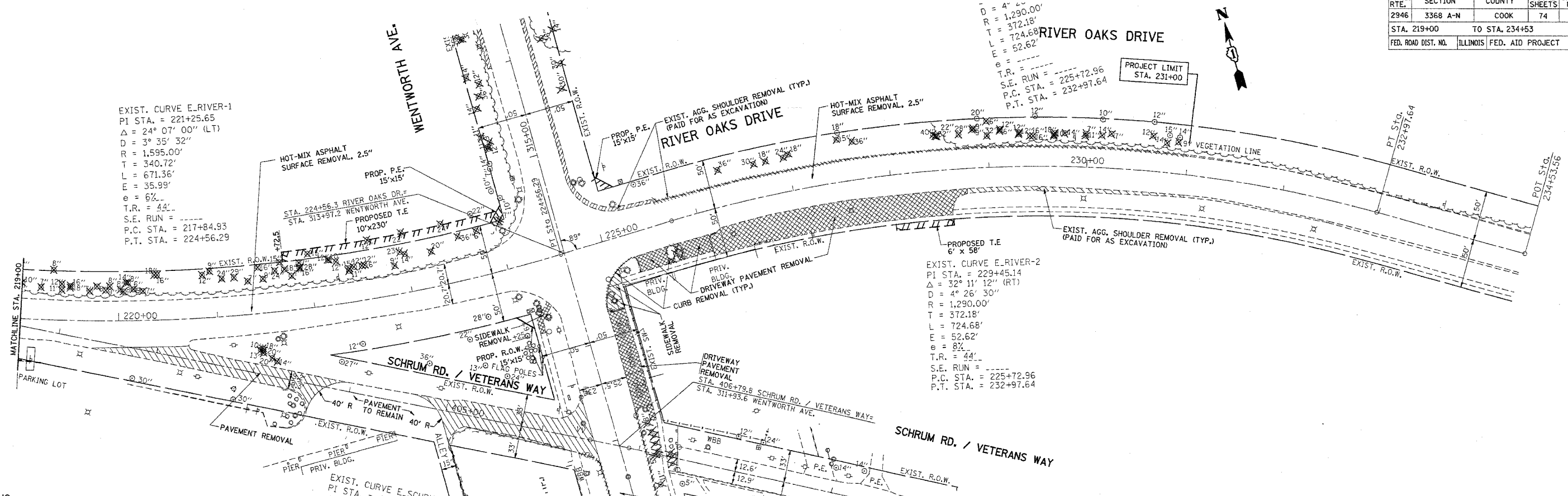
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HORIZ. 1"=50'
DATE 3/27/2007

DRAWN BY
CHECKED BY

PLOT DATE = 3/27/2007
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PLOT SCALE = 1/8"=1'-0"
USER NAME = larsenct

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	15
STA. 219+00		TO STA. 234+53		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

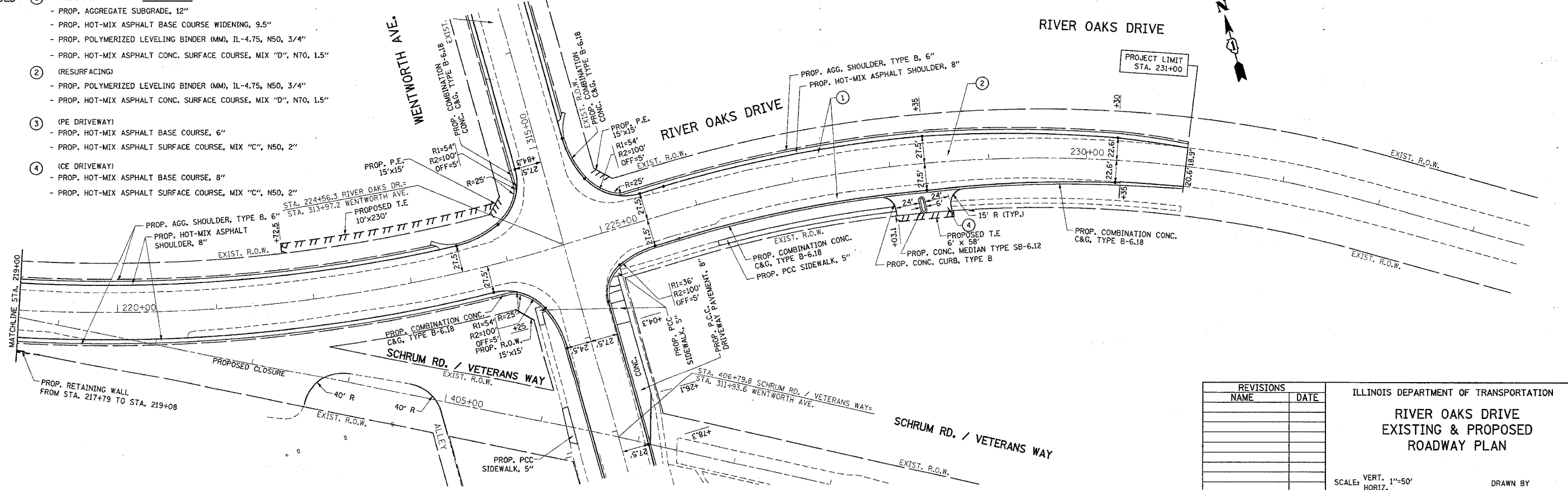
$D = 4' 4"$
 $R = 1,290.00'$
 $T = 372.18'$
 $L = 724.68'$
 $E = 52.62'$
 $T.R. = 44^\circ$
 $S.E. RUN = 225+72.96$
 $P.C. STA. = 225+97.64$
 $P.T. STA. = 232+97.64$



EXISTING

PROPOSED

- LEGEND**
- ① (WIDENING)
 - PROP. AGGREGATE SUBGRADE, 12"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 9.5"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
 - ② (RESURFACING)
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
 - ③ (PE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 6"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
 - ④ (ICE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 8"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

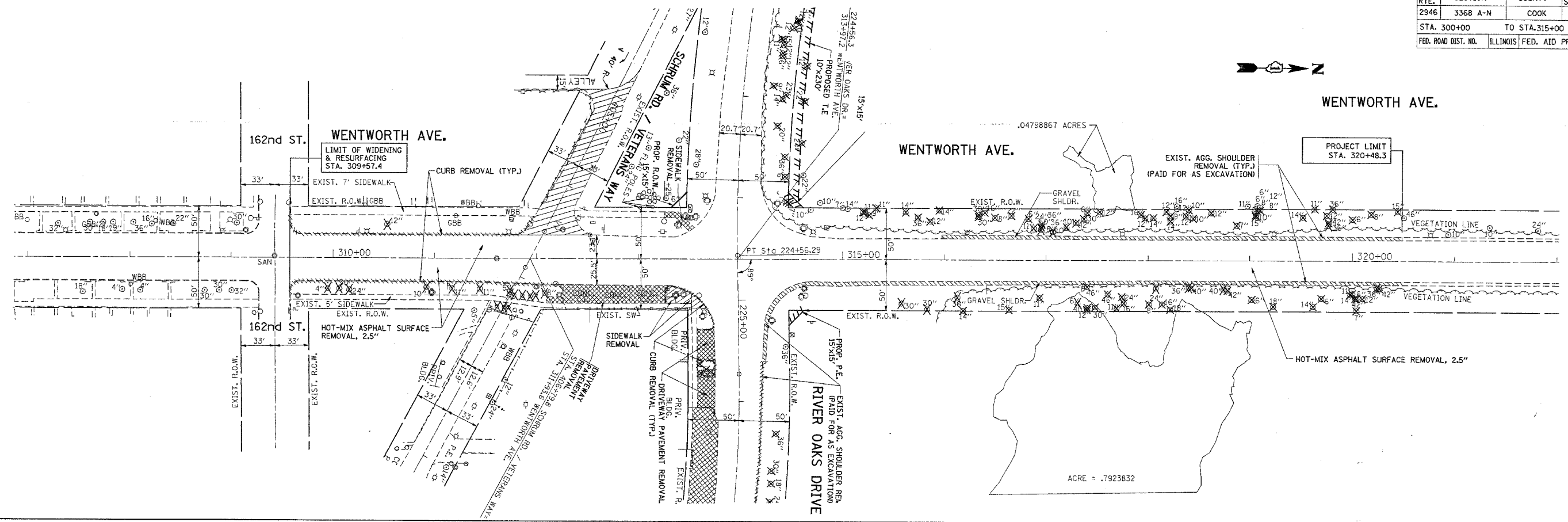
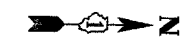
RIVER OAKS DRIVE EXISTING & PROPOSED ROADWAY PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 3/27/2007

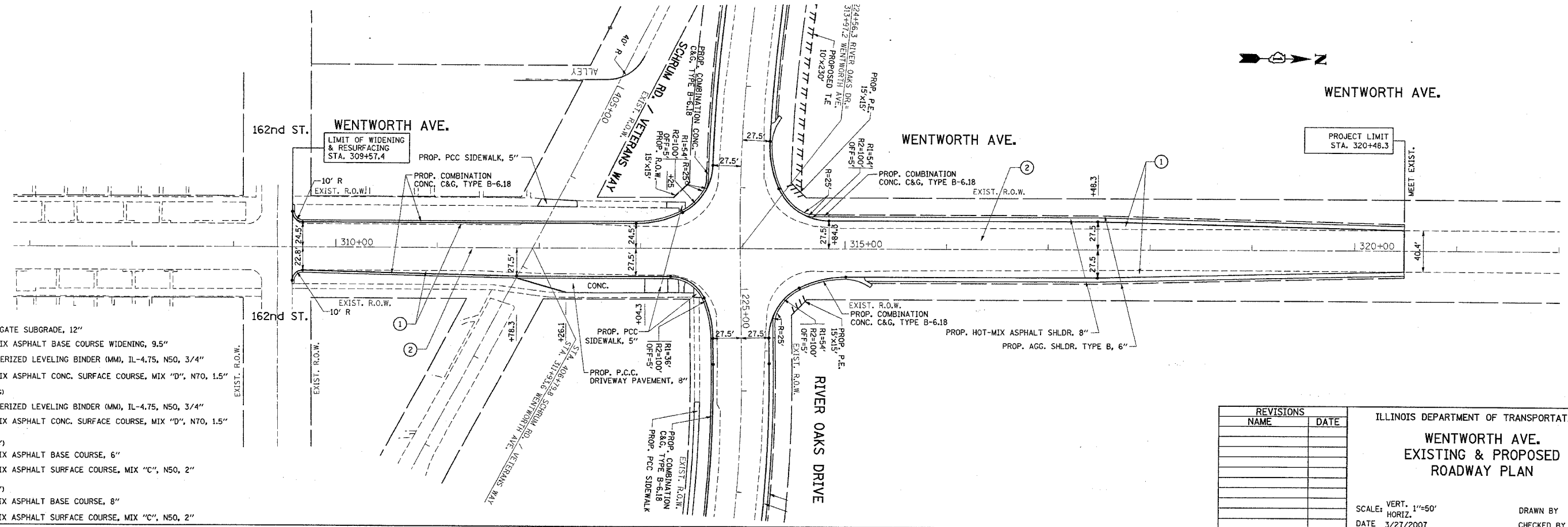
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 CHECKED BY

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	16
STA. 300+00		TO STA. 315+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

LEGEND

- ① (WIDENING)
 - PROP. AGGREGATE SUBGRADE, 12"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 9.5"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ② (RESURFACING)
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ③ (PE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 6"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ④ (CE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 8"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**WENTWORTH AVE.
 EXISTING & PROPOSED
 ROADWAY PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 3/27/2007

DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/27/2007
 FILE NAME = s:\projects\62915\10783\ah_rdy_bbdg
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 USER NAME = larsenr

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	17
STA. 401+00		TO STA. 416+76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EXIST. CURVE E-RIVER-1
 PI STA. = 221+25.65
 $\Delta = 24^{\circ} 07' 00''$ (LT)
 $D = 3^{\circ} 35' 32''$
 $R = 1,595.00'$
 $T = 340.72'$
 $L = 671.36'$
 $E = 35.99'$
 $e = 6\%$
 $T.R. = 44'$
 $S.E. RUN = 217+84.93$
 $P.C. STA. = 224+56.29$
 $P.T. STA. = 224+56.29$

EXIST. CURVE E-SC
 PI STA. = 414+36.7
 $\Delta = 3^{\circ} 24' 16''$ (RT)
 $D = 1^{\circ} 54' 35''$
 $R = 3,000.00'$
 $T = 89.15'$
 $L = 178.25'$
 $E = 1.32'$
 $e = \dots$
 $T.R. = \dots$
 $S.E. RUN = \dots$
 $P.C. STA. = 413+47.64$
 $P.T. STA. = 415+25.89$

EXISTING

PROPOSED

LEGEND

- ① (WIDENING)
 - PROP. AGGREGATE SUBGRADE, 12"
 - PROP. HOT-MIX ASPHALT BASE COURSE WIDENING, 9.5"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ② (RESURFACING)
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HOT-MIX ASPHALT CONC. SURFACE COURSE, MIX "D", N70, 1.5"
- ③ (PE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 6"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ④ (CE DRIVEWAY)
 - PROP. HOT-MIX ASPHALT BASE COURSE, 8"
 - PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHRUM RD. / VETERANS WAY
 EXISTING & PROPOSED
 ROADWAY PLAN
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 3/27/2007
 DRAWN BY
 CHECKED BY

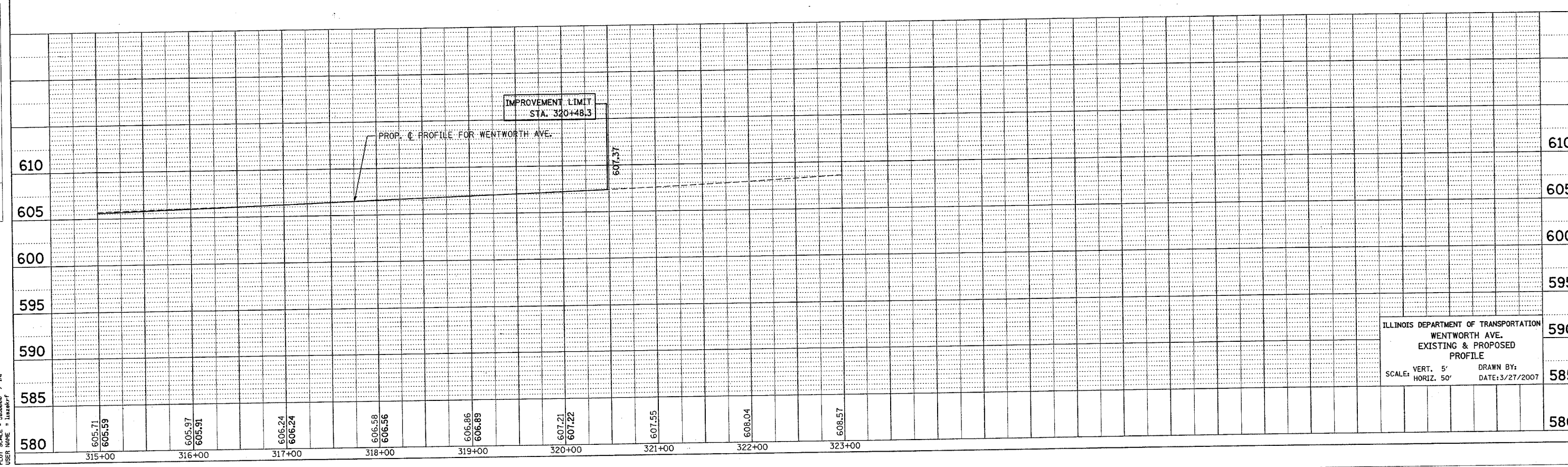
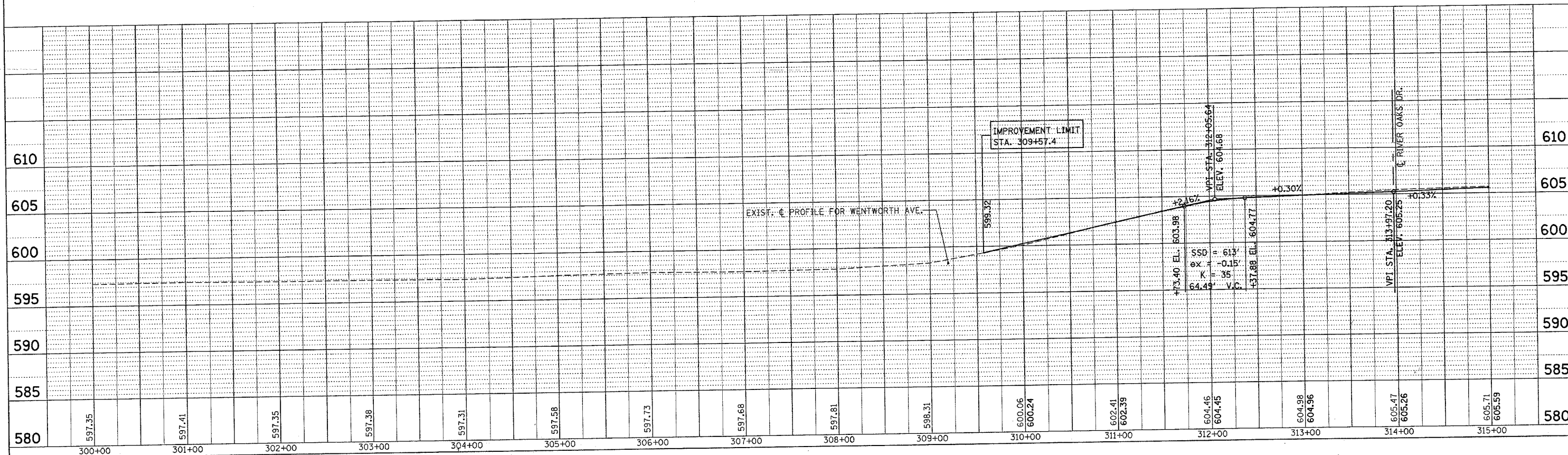
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CONTRACT NO. 62915			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
2946	3368 A-N	COOK	74
STA. 309+57.4		TO STA. 320+48.3	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLAN	SERIALIZED	DATE
NOTE BOOK NO.	BY	
NO.	DATE	

PROFILE	SERIALIZED	DATE
NOTE BOOK NO.	BY	
NO.	DATE	

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 USER NAME = luserart



ILLINOIS DEPARTMENT OF TRANSPORTATION
 WENTWORTH AVE.
 EXISTING & PROPOSED
 PROFILE
 SCALE: VERT. 5' / IN.
 HORIZ. 50' / IN.
 DRAWN BY: DATE: 3/27/2007

*REF-prof05

*REF-prof01

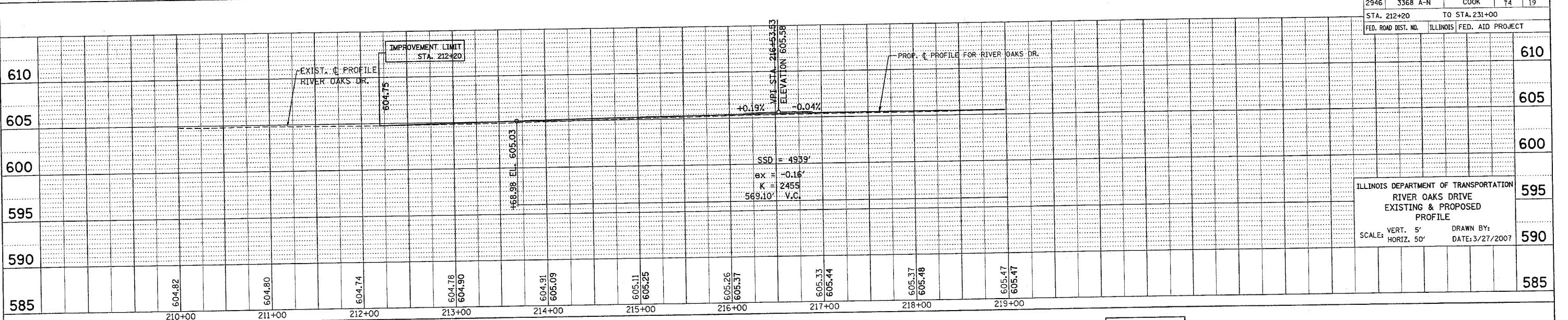
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CONTRACT NO. 62915			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
2946	3368 A-N	COOK	74 19
STA. 212+20		TO STA. 231+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

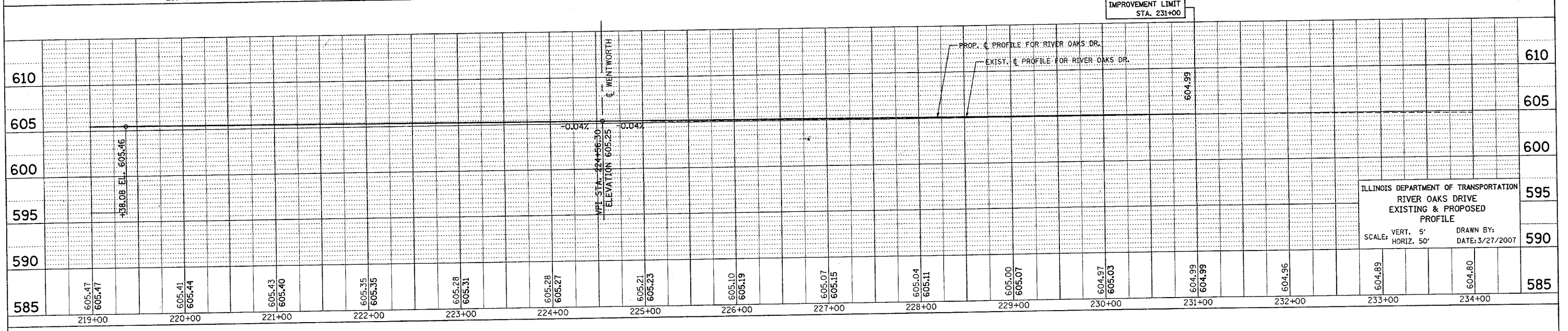
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

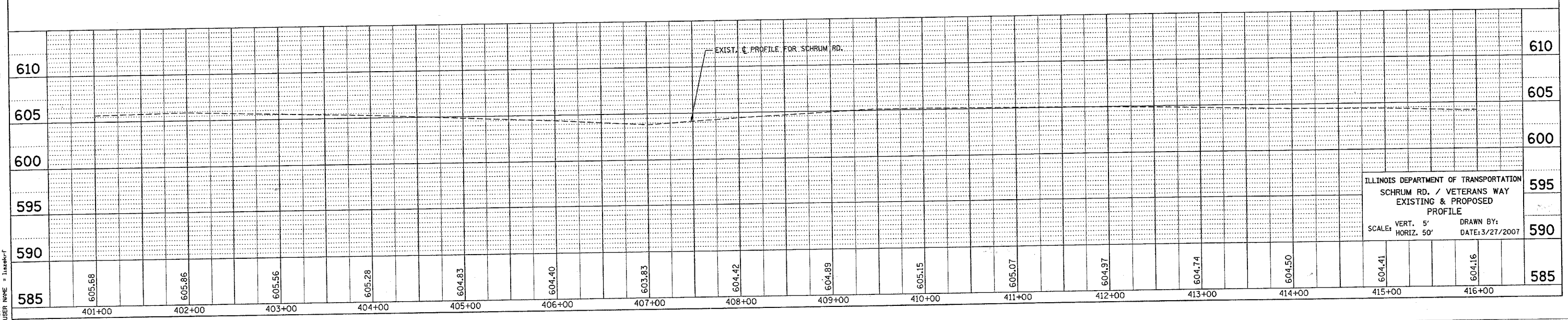
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 RIVER OAKS DRIVE
 EXISTING & PROPOSED
 PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007

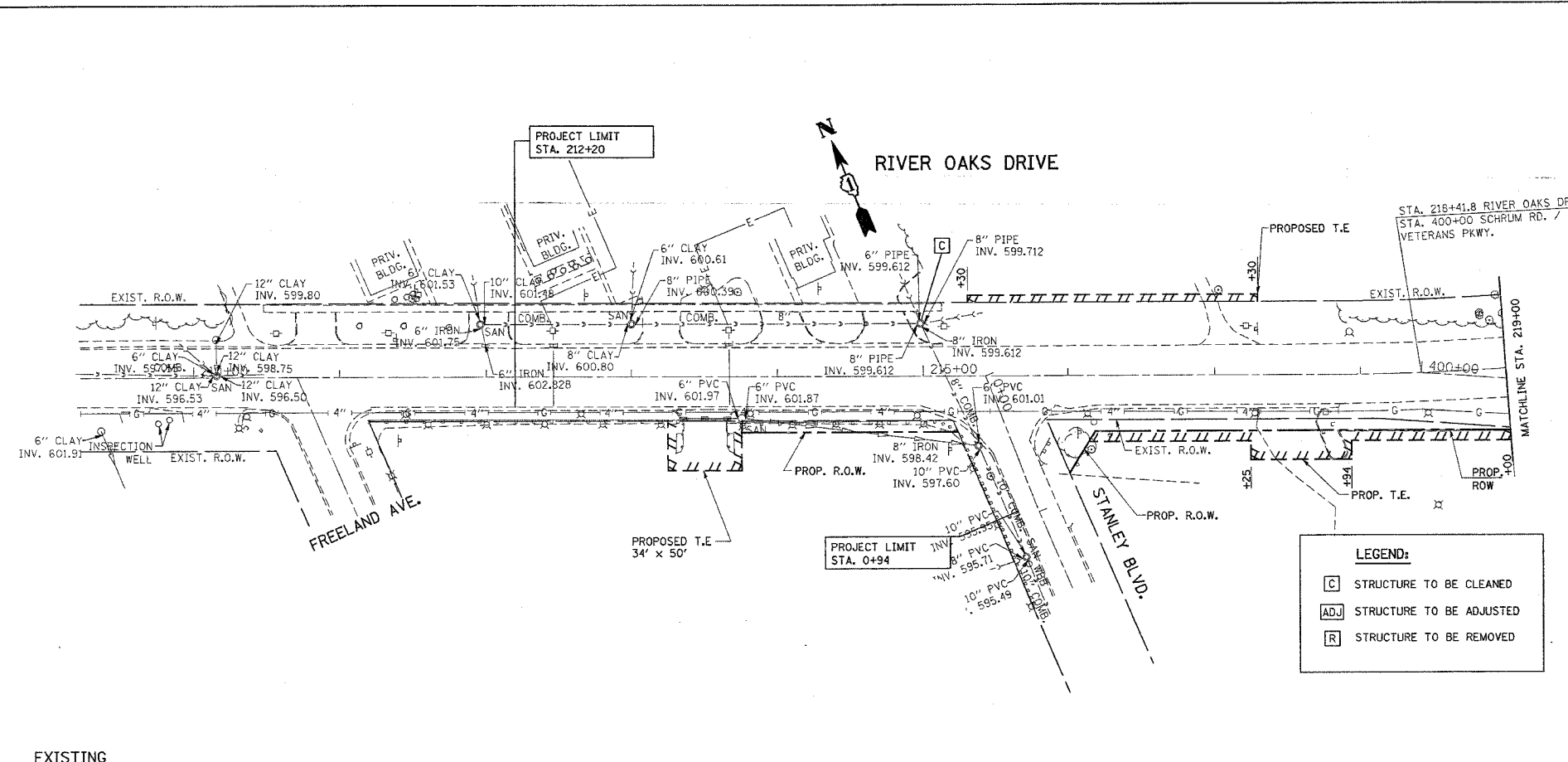


ILLINOIS DEPARTMENT OF TRANSPORTATION
 RIVER OAKS DRIVE
 EXISTING & PROPOSED
 PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007



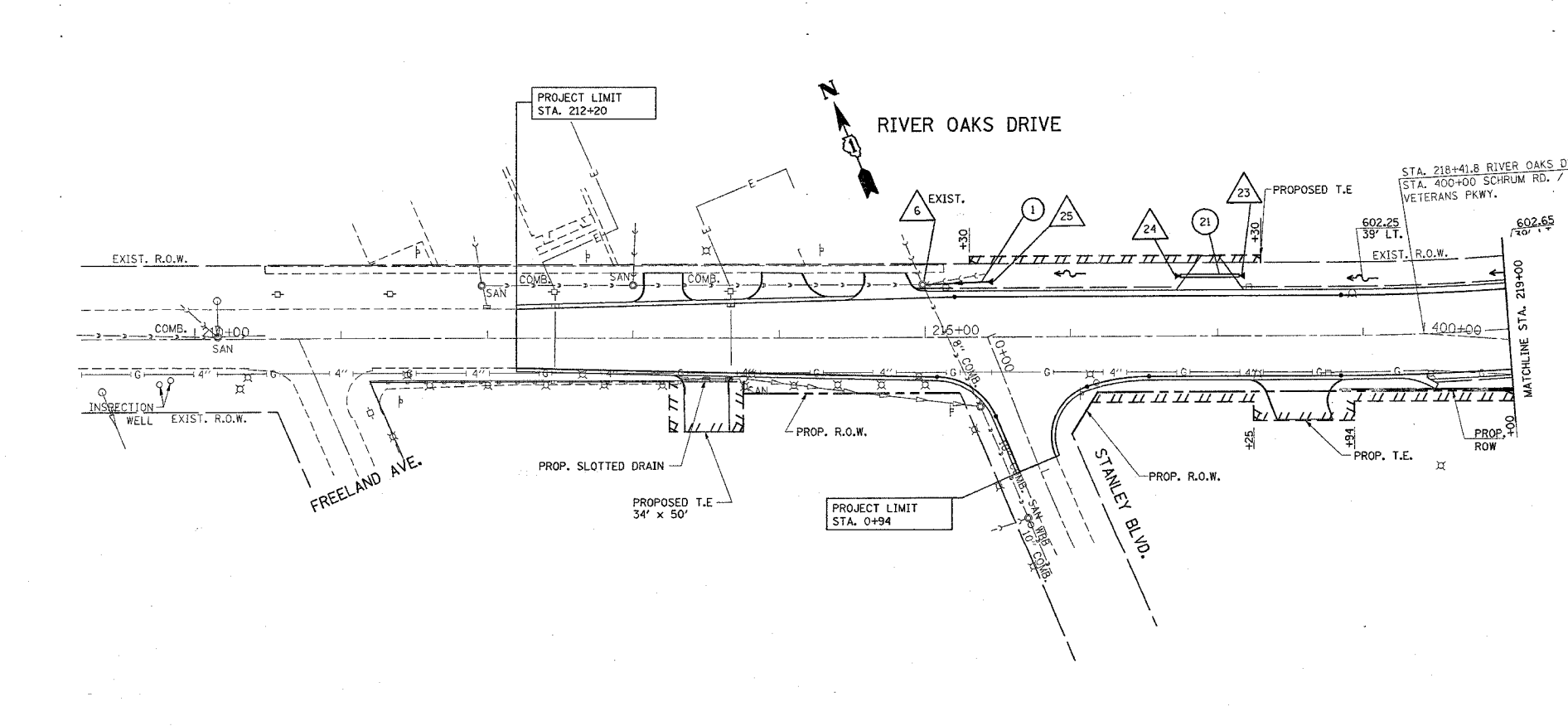
ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHRUM RD. / VETERANS WAY
 EXISTING & PROPOSED
 PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	20
STA. 209+22		TO STA. 219+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING

PROPOSED



NO.	STATION	OFFSET (FT)	STRUCTURE TYPE			DIA.	FRAME	TOP OF GRATE	INVERT	INVERT	INVERT	INVERT
			MH	CB	FES							
1	313+25	36 W	TA			4'	T1 CL	605.00	597.82(W)	597.72(S)		
** 2	312+01	26 E	TA *			5'	T1 CL	603.90	596.31(NE)	596.21(SW)		
3	312+20	35 E	TA *			6'	T1 CL	604.00	596.71(NW)	596.71(N)	596.61(S)	
4	228+71	35 S	TA *			4'	T1 CL	603.50	599.96(W)	600.06(E)	600.78(NE)	
5	311+61	0 W	EXIST.				EXIST. NEW T1 CL	604.00	595.58(NE)			
6	214+99	36 N	EXIST.				EXIST. EXIST.	605.40	599.73(E)			
7	312+45	35 W	TA *			4'	T1 CL	604.15	597.30(N)	597.20(SE)	601.90(NE)	
8	315+42	41 E	TA *			4'	T1 CL	605.00	601.10(S)	601.20(W)	601.92(N)	
9	224+96	37 S	TA *			8'	T1 CL	604.90	597.84(S)	597.94(E)	597.94(N)	601.64(SW)
10	314+78	36 E	TA *			6'	T1 CL	605.00	598.63(S)	600.41(N)	602.43(SE)	
11	312+18	25 E	EXIST.				EXIST. NEW T1 CL	603.90	602.18(W)			
12	230+44	23 S	TC			2'	T23 F&G	603.20	601.15			
13	228+76	27 S	TC			2'	T23 F&G	603.20	600.87			
14	226+67	36 S	TA *			5'	T1 CL	604.20	599.00(E)	598.90(W)	600.44(N)	
15	226+72	28 S	TC			2'	T23 F&G	603.40	600.53			
16	230+38	35 S	TA *			4'	T1 CL	603.90	600.95(E)	600.85(W)	601.05(N)	
17	313+34	28 E	TC			2'	T23 F&G	604.90	601.86(NE)			
18	231+00	32 S			FES	12"		603.30	601.23			
19	315+57	41 E			FES	12"			602.18			
20	314+41	51 E	TC			2'	T23 F&G	605.00	602.80			
21	315+42	37 W			FES	12"			602.23			
22	314+36	145 W			FES	15"			599.57			
23	216+75	41 N			FES	24"			601.95			
24	217+15	41 N			FES	24"			601.79			
25	215+41	37 N			FES	12"			601.15			
26	312+54	26 W			TC	2'	T23 F&G	604.3	602.05			

* FLAT SLAB TOP
 ** MANHOLE WITH RESTRICTOR PLATE, SEE DIST. DETAIL, BD-12

NO.	STATION - STATION	TYPE	DIA. (IN.)	LIN. FT.	TB CU. YD.	FL. END SECTION EACH	SLOPE FT./FT.
1	214+99 - 215+41	1	12"	42		1	0.03
2	313+18 - 314+36	1	15"	155	36	1	0.011
3	312+52 - 313+18	1	15"	76			0.006
4	312+20 - 312+45	1	15"	70	68.5		0.007
5	311+61 - 312+01	1	24"	43	58.5		0.015
* 6	315+33(E) - 315+33(W)	1	12"	76	14	1	0.014
7	314+78 - 315+42	1	15"	59			0.012
8	313+61 - 314+78	1	36"	110	108		0.006
9	312+20 - 313+61	1	36"	134	161		0.008
10	312+01 - 312+20	1	24"	19	24		0.016
11	224+96 - 226+67	1	24"	165			0.006
12	226+67 - 228+71	1	15"	193	23		0.005
13	228+71 - 228+76	1	12"	6			0.015
14	226+67 - 226+72	1	12"	6			0.015
15	228+71 - 230+38	1	15"	158			0.005
16	230+38 - 230+44	1	12"	10			0.01
17	313+34 - 313+61	1	12"	22			0.01
18	230+38 - 231+00	1	12"	55		1	0.005
19	315+33 - 315+50	1	12"	17		1	0.015
20	314+41 - 314+78	1	12"	37			0.01
** 21	216+75 - 217+15	1	24"	40	10	2	0.004
22	312+45 - 312+61	1	12"	13			0.011

* STORM SEWER WATER MAIN REQUIREMENT
 ** PIPE CULVERT CLASS A, TYPE 1

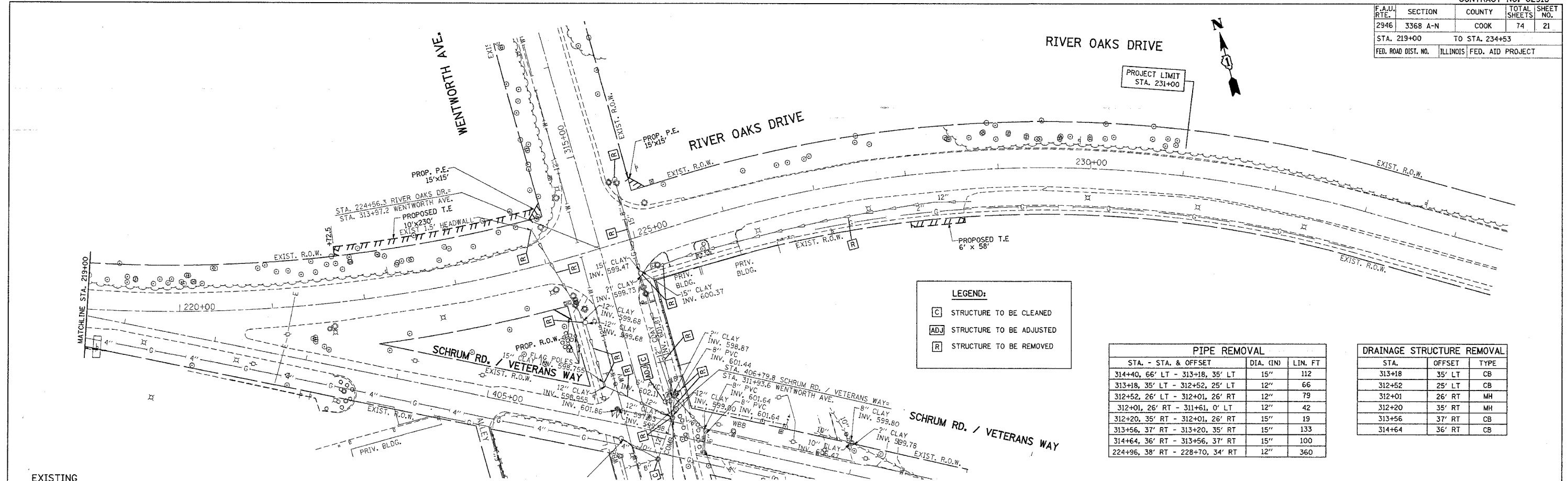
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**RIVER OAKS DRIVE
 EXISTING & PROPOSED
 DRAINAGE & UTILITY PLAN**

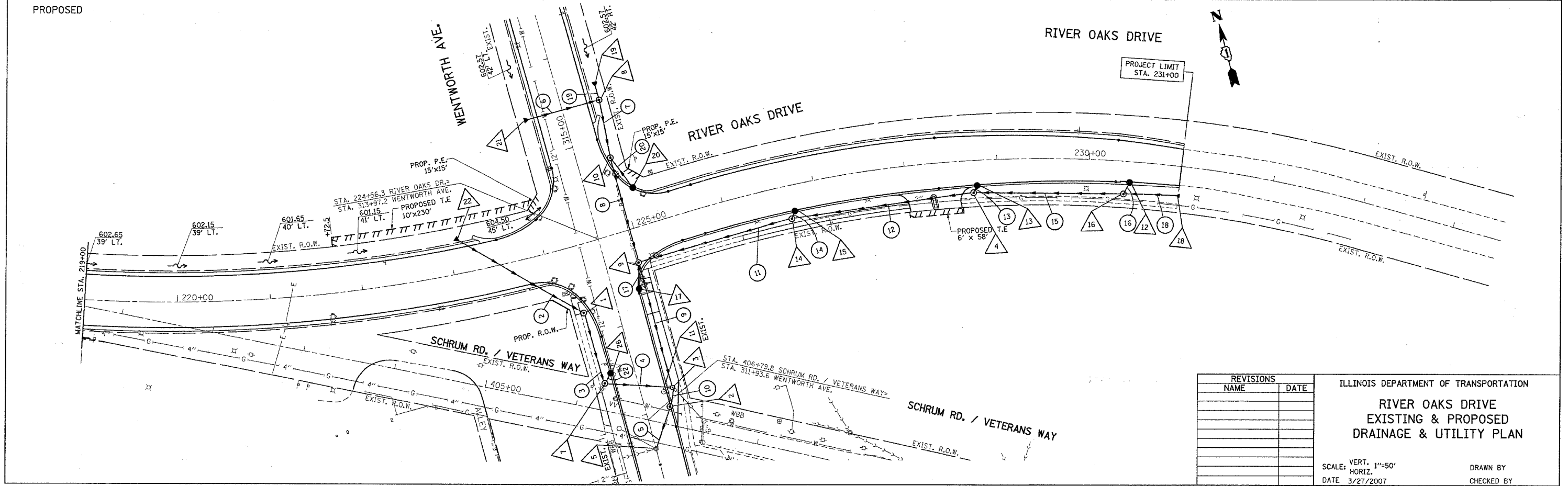
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 HORIZ. 1"=50'
 DATE 3/27/2007
 DRAWN BY
 CHECKED BY

PLOT DATE = 3/27/2007
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 USER NAME = lhaskef

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	21
STA. 219+00		TO STA. 234+53		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**RIVER OAKS DRIVE
 EXISTING & PROPOSED
 DRAINAGE & UTILITY PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=100'
 DATE 3/21/2007
 DRAWN BY
 CHECKED BY

PLOT DATE = 3/27/2007
 FILE NAME = I:\181783\ah.drain.blg.dgn
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 USER NAME = hasekrcf

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	22
STA. 307+00		TO STA. 322+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



WENTWORTH AVE.

PROJECT LIMIT STA. 320+48.3

.04798867 ACRES

WENTWORTH AVE.

EXIST. R.O.W.

ACRE = .7923832

LEGEND:

- [C] STRUCTURE TO BE CLEANED
- [ADJ] STRUCTURE TO BE ADJUSTED
- [R] STRUCTURE TO BE REMOVED

EXISTING

PROPOSED



WENTWORTH AVE.

PROJECT LIMIT STA. 320+48.3

.04798867 ACRES

WENTWORTH AVE.

EXIST. R.O.W.

ACRE = .7923832

REVISIONS NAME	DATE

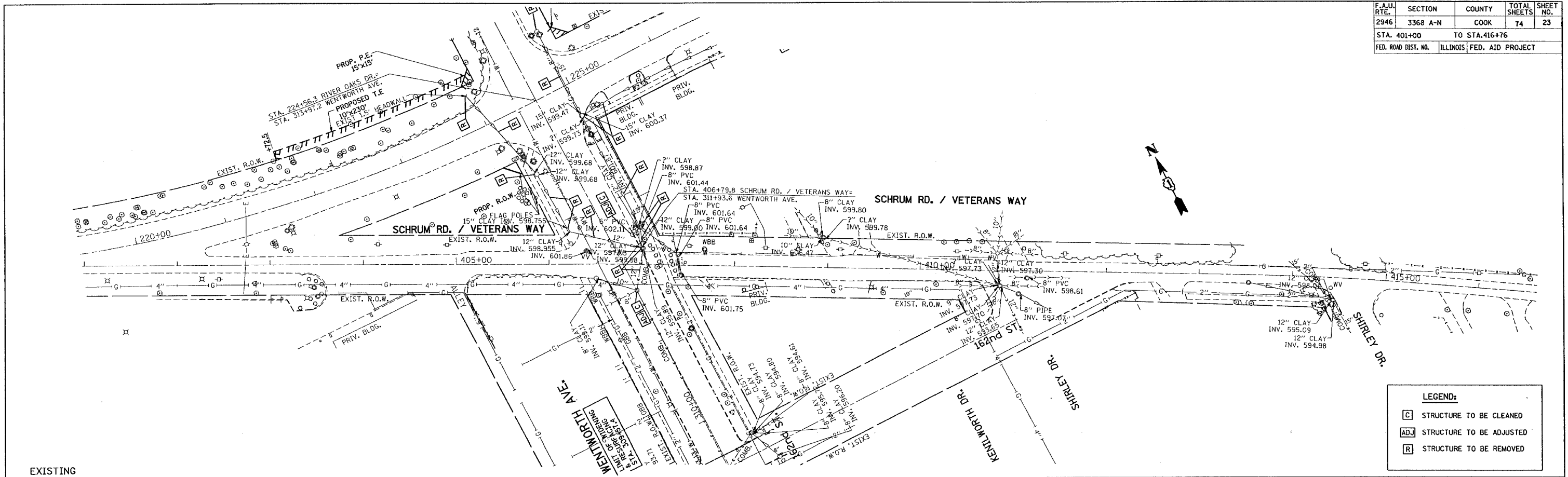
ILLINOIS DEPARTMENT OF TRANSPORTATION
**WENTWORTH AVE.
 EXISTING & PROPOSED
 DRAINAGE & UTILITY PLAN**

SCALE: VERT. 1"=50'
 HORIZ. DATE 3/27/2007

DRAWN BY
 CHECKED BY

PLOT DATE = 3/27/2007
 FILE NAME = c:\p\proj\p017603\wh.drain.bb.dgn
 PLOT SCALE = 56.88888 / 1 IN.
 USER NAME = ltrazert

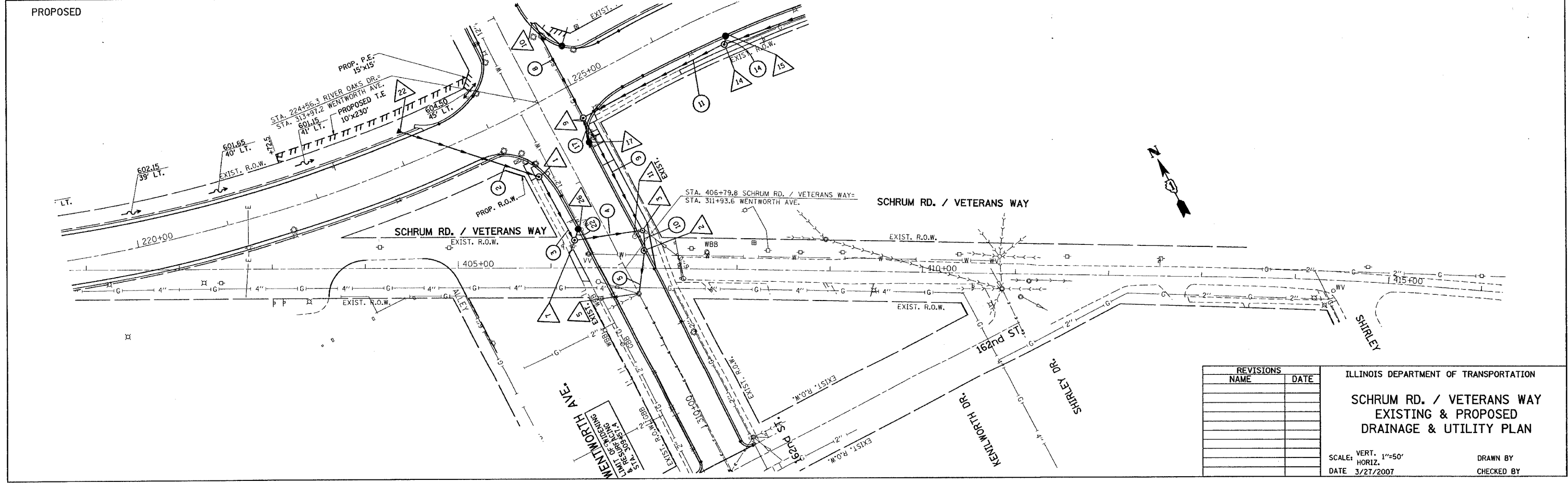
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	23
STA. 401+00		TO STA. 416+76		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND:

- C STRUCTURE TO BE CLEANED
- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED

EXISTING



PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHRUM RD. / VETERANS WAY
EXISTING & PROPOSED
DRAINAGE & UTILITY PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'

DATE 3/27/2007

DRAWN BY _____
 CHECKED BY _____

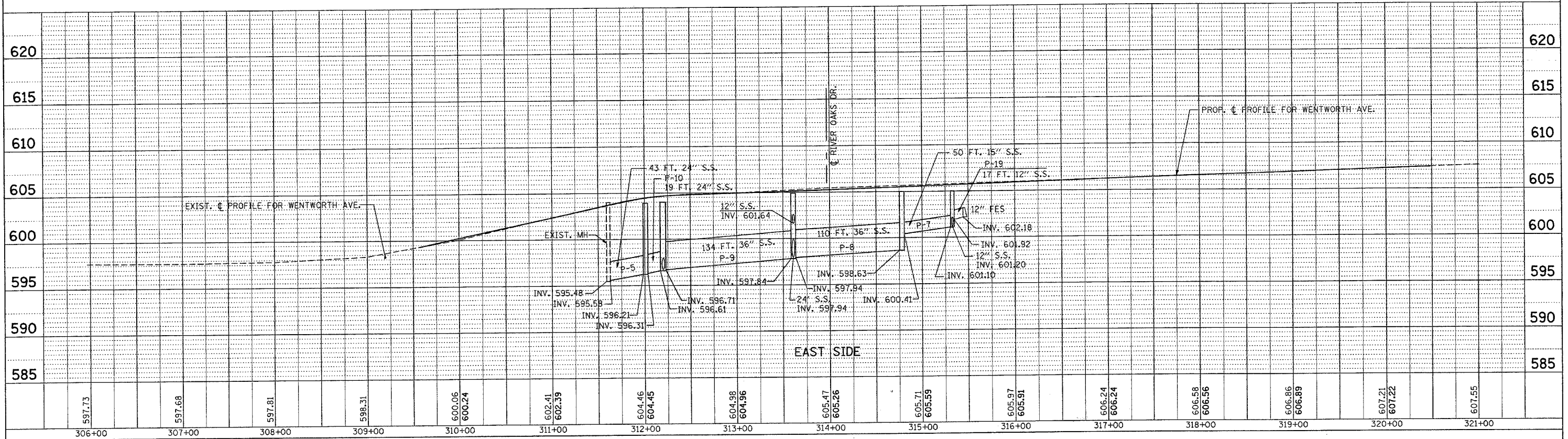
PLOT DATE = 3/27/2007
 FILE NAME = s:\projects\62915\62915.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = ltravert

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	24
STA. 306+00 TO STA. 321+00				
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT

DATE	BY

DATE	BY

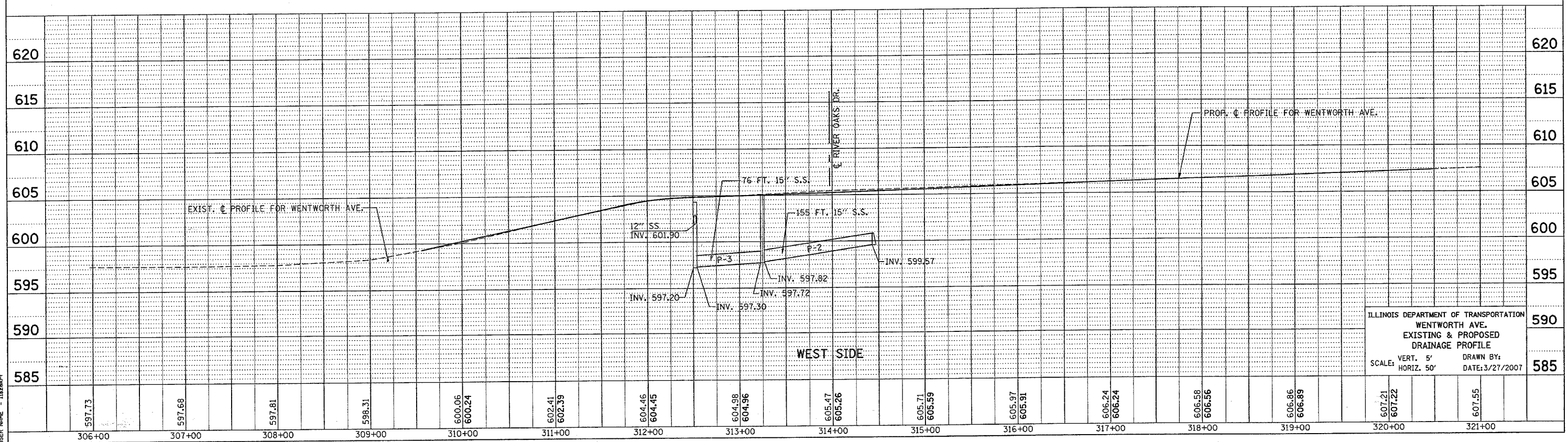
PLAN
CHECKED
PLOTTED
NOTE BOOK
NO. _____
F.A.U. FILE NAME



DATE	BY

DATE	BY

PROFILE
CHECKED
PLOTTED
NOTE BOOK
NO. _____
F.A.U. FILE NAME



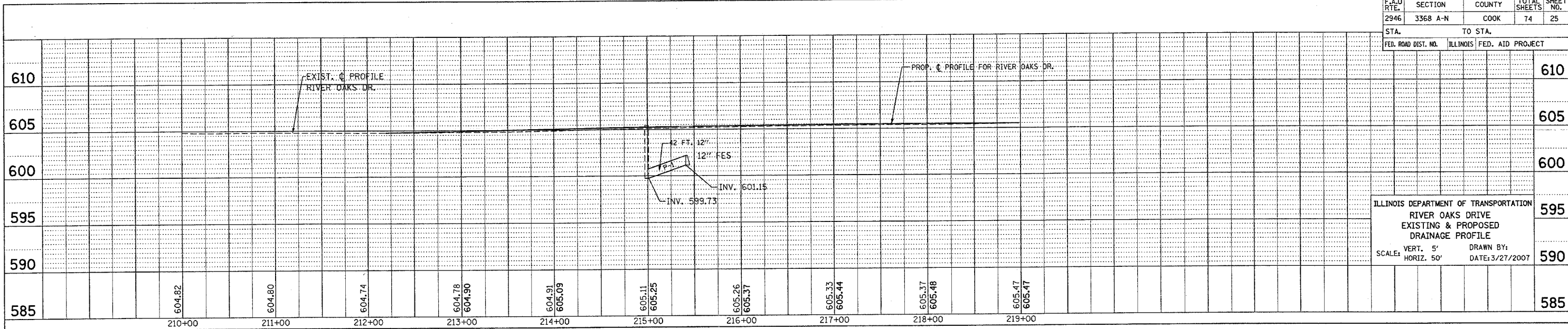
ILLINOIS DEPARTMENT OF TRANSPORTATION
WENTWORTH AVE.
EXISTING & PROPOSED
DRAINAGE PROFILE

SCALE: VERT. 5'
HORIZ. 50'

DRAWN BY:
DATE: 3/27/2007

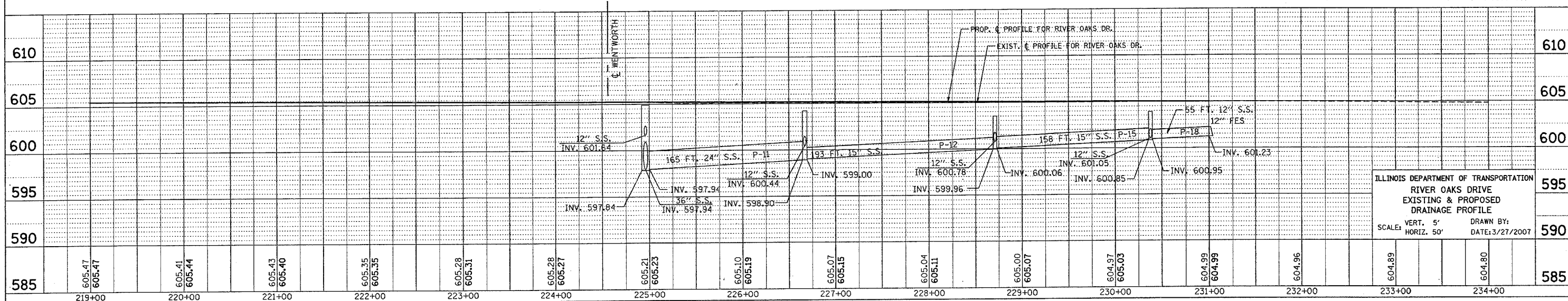
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	25

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



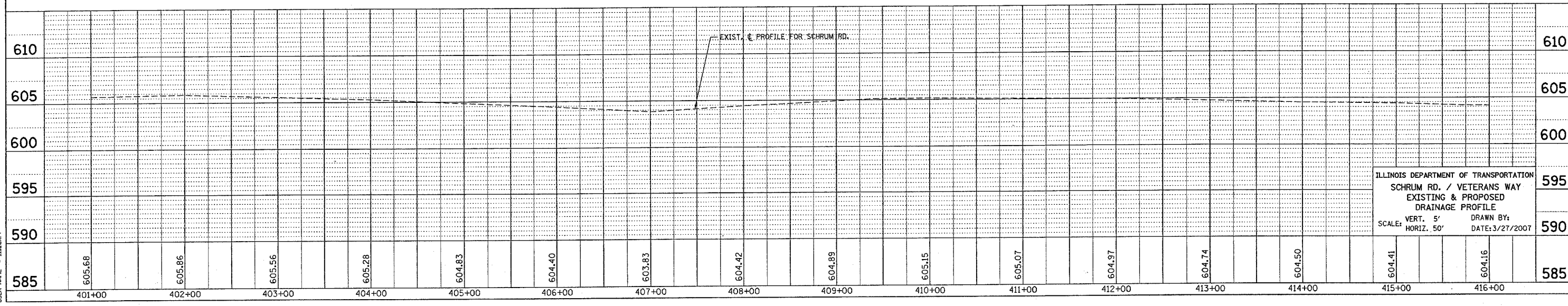
ILLINOIS DEPARTMENT OF TRANSPORTATION
 RIVER OAKS DRIVE
 EXISTING & PROPOSED
 DRAINAGE PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007

PLAN SURVEYED BY: DATE:
 PLOTTED BY: DATE:
 CHECKED BY: DATE:
 RT. OF WAY CHECKED BY: DATE:
 NO. PAID FILE NAME:



ILLINOIS DEPARTMENT OF TRANSPORTATION
 RIVER OAKS DRIVE
 EXISTING & PROPOSED
 DRAINAGE PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007

PROFILE SURVEYED BY: DATE:
 PLOTTED BY: DATE:
 CHECKED BY: DATE:
 BAL. NO. NOTED BY: DATE:
 STRUCTURE NOTATIONS: CPFD
 NO. USER NAME:



ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHRUM RD. / VETERANS WAY
 EXISTING & PROPOSED
 DRAINAGE PROFILE
 SCALE: VERT. 5' DRAWN BY:
 HORIZ. 50' DATE: 3/27/2007

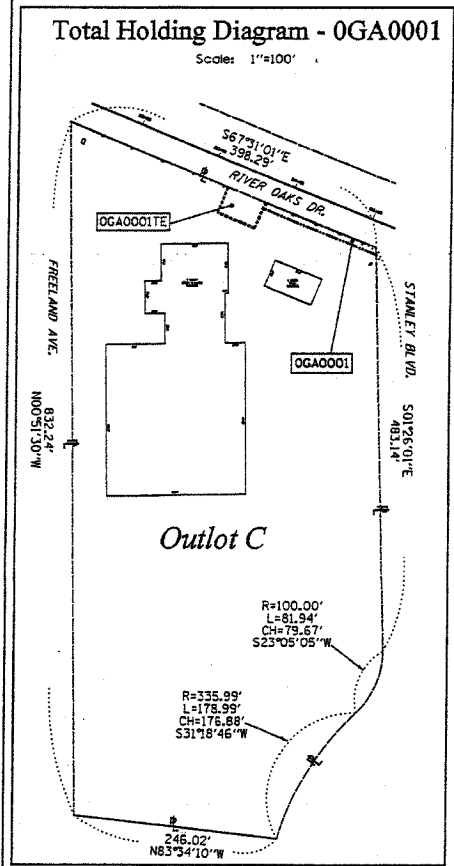
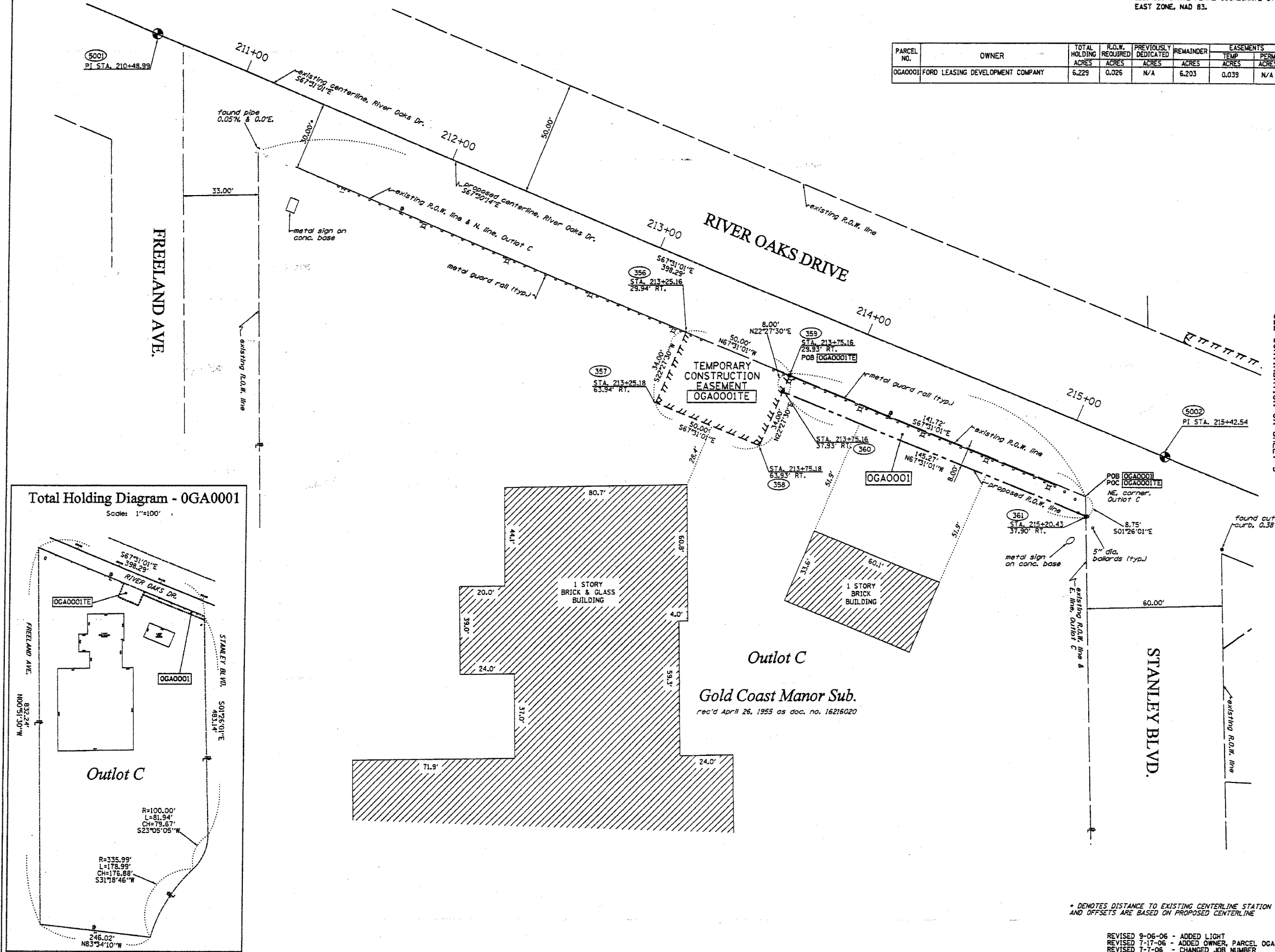
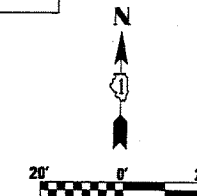
PLOT DATE = 3/27/2007
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 PLOT SCALE = 5/8\"/>

PART OF THE NW 1/4 OF SEC. 20, T36N, R15 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.AJ.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	26
STATION 211+00		TO STATION 215+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
0GA0001	FORD LEASING DEVELOPMENT COMPANY	6.229	0.026	N/A	6.203	0.039	N/A	CONST.	30-20-115-014	



LEGEND

- EXISTING CENTERLINE
- - - - PROPOSED CENTERLINE
- ==== EXISTING RIGHT OF WAY LINE
- - - - PROPOSED RIGHT OF WAY LINE
- ||||| PROPOSED EASEMENT LINE
- SECTION LINE
- P PROPERTY CORNER LINE
- 123.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- 123.45 (R) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/2 INCH IRON ROD
- PERMANENT SURVEY MONUMENT
- L.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LOT EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- SECTION CORNER
- QUARTER SECTION CORNER

SEE CONTINUATION ON SHEET 3

STATE OF ILLINOIS)
 COUNTY OF WILL)
 THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT JOLIET, ILLINOIS THIS ____ DAY OF ____ A.D.
 RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2174 ONEIDA STREET JOLIET, ILLINOIS 62658
 2903 SOUTH WASHINGTON STREET SUITE 170 NAPERVILLE, ILLINOIS 60563
 PH (815) 744-9600 FAX (815) 744-0101 PH (630) 240-1740 FAX (630) 400-1740

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 WENTWORTH AVENUE at
 RIVER OAKS DRIVE
 COOK COUNTY
 JOB NO. R-90-011-06
 STATION 211+00 TO STATION 215+50
 SCALE: 1"=20' SHEET 2 OF 2
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHMIDGALL, ILLINOIS 60156

* DENOTES DISTANCE TO EXISTING CENTERLINE STATION AND OFFSETS ARE BASED ON PROPOSED CENTERLINE

REVISED 9-06-06 - ADDED LIGHT
 REVISED 7-17-06 - ADDED OWNER, PARCEL 0GA0001
 REVISED 7-17-06 - CHANGED JOB NUMBER
 REVISED 6-13-06 - CHANGED JOB/PARCEL NUMBERS

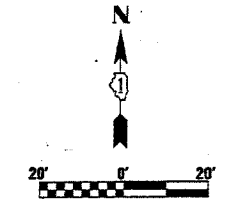
PART OF THE NW 1/4 OF SEC. 20, T36N, R15 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
0GA0002	JOSEPH J. HENNESSY AND RICHARD STEWART	0.543	N/A	N/A	0.543	0.009	411 s.f.	N/A	CONST.	30-20-103-007
0GA0003	JOSEPH J. HENNESSY	0.626	N/A	N/A	0.626	0.012	N/A	N/A	CONST.	30-20-103-004
0GA0004	FOREST PRESERVE DISTRICT OF COOK COUNTY	N/A	N/A	N/A	N/A	TE-A-0.050 TE-B-0.002	878 s.f.	0.003	CONST.	30-20-103-003 PART 30-20-201-001
0GA0005	CHICAGO TITLE AND TRUST COMPANY TR. NO. 1081154	0.474	0.041	N/A	0.433	0.028	N/A	N/A	CONST.	30-20-116-033
0GA0006	BEVERLY TRUST COMPANY TR. NO. 74-2296	8.120	0.030	N/A	8.090	0.039	N/A	N/A	CONST.	30-20-116-036 30-20-116-037 30-20-116-035 30-20-116-034

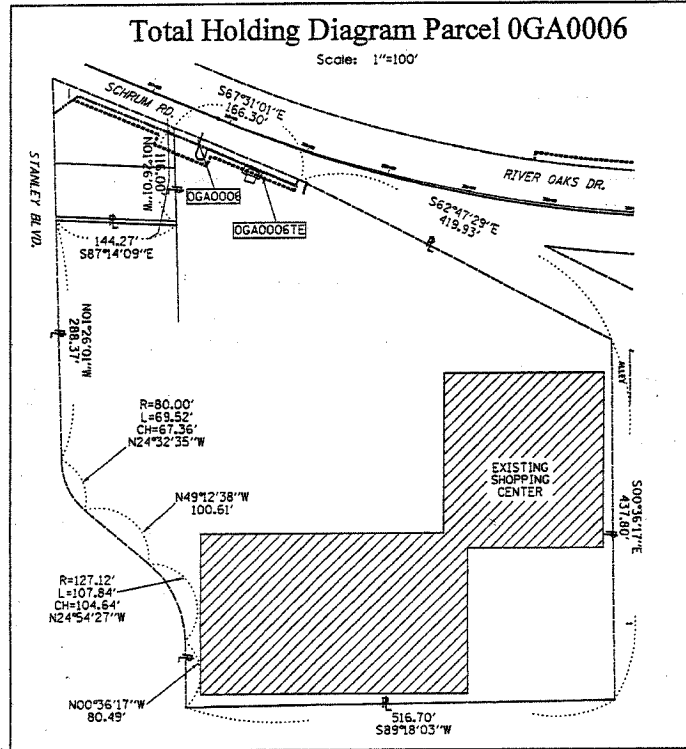
F.A.U.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	27

STATION 215+00 TO STATION 219+50
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

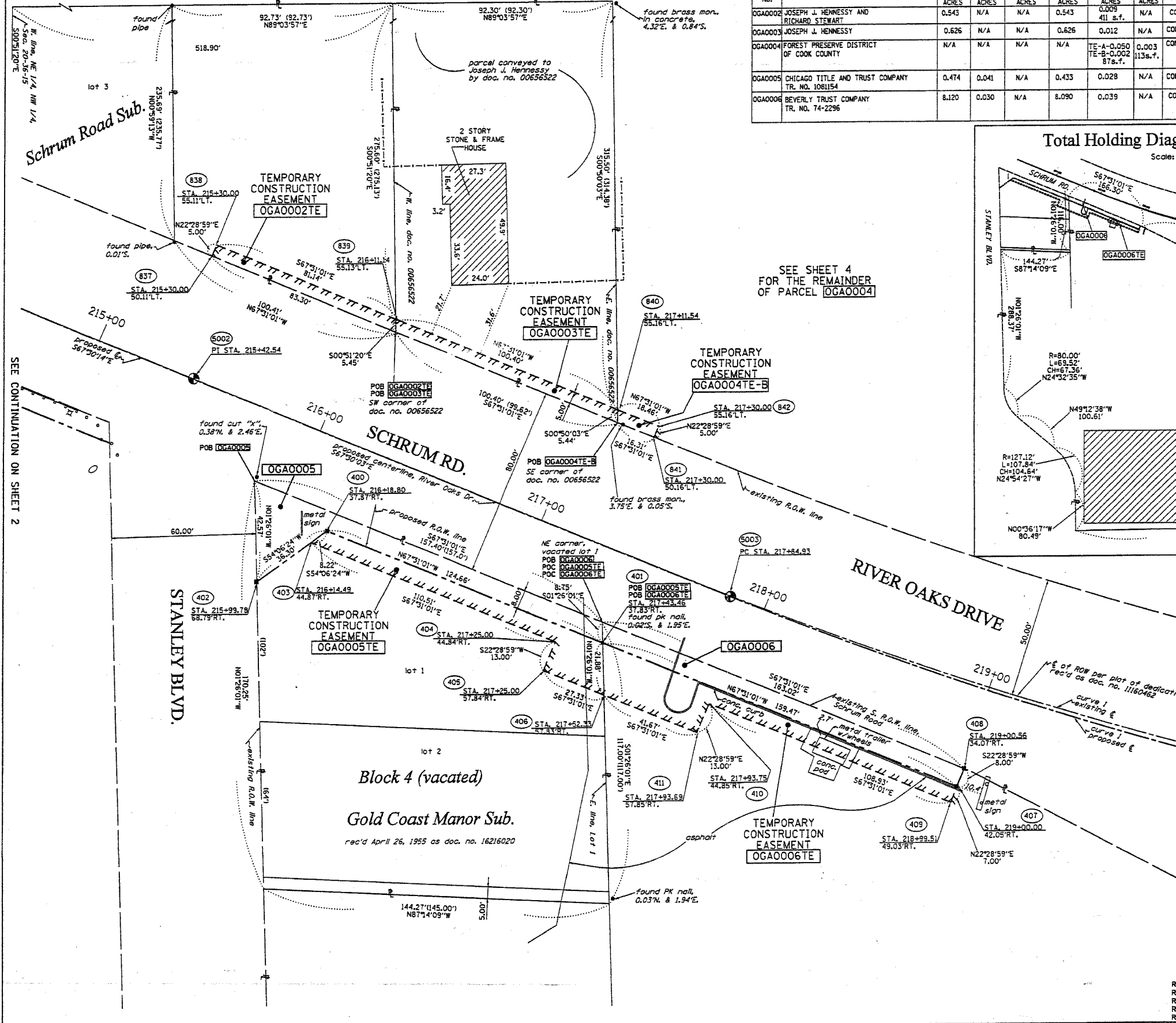
BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.



- LEGEND**
- EXISTING CENTERLINE
 - - - - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - - - - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT LINE
 - SECTION LINE
 - PROPERTY (DEED) LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - (123.45) RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 1/2 INCH IRON ROD
 - PERMANENT SURVEY MONUMENT
 - I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - CUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - EXISTING TELEPHONE SPLICE BOX
 - EXISTING STREET LIGHT
 - MAIL BOX
 - EXISTING WELL HEAD
 - STAKING OF PROPOSED RIGHT OF WAY. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/2 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY DESCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.



SEE SHEET 4 FOR THE REMAINDER OF PARCEL 0GA0004



STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.S. Consultants
 214 OHEDA STREET JOLIET, ILLINOIS 60438
 2605 SOUTH WASHINGTON STREET SUITE 170 NAPERVILLE, ILLINOIS 60563
 PH. (815) 744-6500 FAX (815) 744-0001 PH. (630) 400-1746 FAX (630) 400-1741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
WENTWORTH AVENUE & RIVER OAKS DRIVE
 COOK COUNTY
 JOB NO. R-90-011-06
 STATION 215+00 TO STATION 219+50

SCALE: 1"=20' SHEET 3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHMIDGALL, ILLINOIS 60066

REVISED 7-31-06 - ADDED ASPHALT/CART
 REVISED 7-28-06 - ADDED OWNER
 REVISED 7-17-06 - ADDED OWNER, PARCEL 0GA0005
 REVISED 7-7-06 - CHANGED JOB NUMBER
 6-13-06 - CHANGED JOB/PARCEL NUMBERS

PART OF THE NW 1/4 AND THE NE 1/4 OF SEC. 20, T36N, R15 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	28
STATION 221+00		TO STATION 226+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CURVE CENTERLINE ROW 1

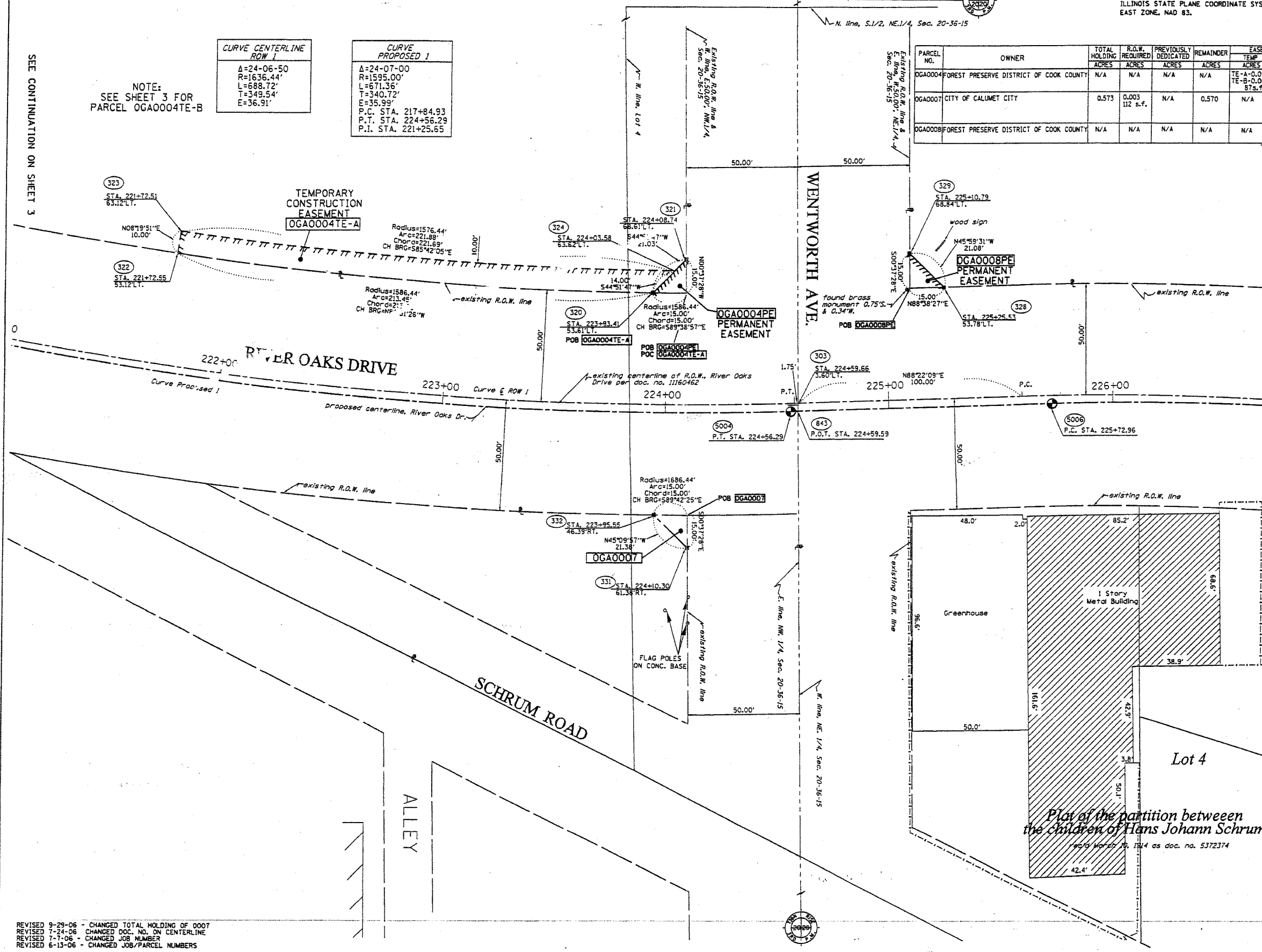
Δ=24-06-50
R=1636.44'
L=688.72'
T=349.54'
E=36.91'

CURVE PROPOSED 1

Δ=24-07-00
R=1595.00'
L=671.36'
T=340.72'
E=35.99'
P.C. STA. 217+84.93
P.T. STA. 224+56.29
P.I. STA. 221+25.65

NOTE: SEE SHEET 3 FOR PARCEL OGAA0004TE-B

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES		
OGAA0004	FOREST PRESERVE DISTRICT OF COOK COUNTY	N/A	N/A	N/A	N/A	TE-A-0.050	0.003	30-20-201-001	
OGAA0007	CITY OF CALUMET CITY	0.573	0.003	N/A	0.570	TE-B-0.002	0.003	30-20-103-003	
OGAA0008	FOREST PRESERVE DISTRICT OF COOK COUNTY	N/A	N/A	N/A	N/A	N/A	0.003	30-20-202-016	
							0.003	30-20-103-003	
							0.003	30-20-201-001	
							0.003	30-20-200-002	



LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- PROPERTY (DEED) LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/4 INCH IRON ROD
- ⊙ PERMANENT SURVEY MONUMENT, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- ⊕ CUT CROSS FOUND OR SET
- ⊕ SAME OWNERSHIP
- ⊕ EXISTING TELEPHONE SPLICE BOX
- ⊕ EXISTING STREET LIGHT
- ⊕ EXISTING MAIL BOX
- ⊕ EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY, SET 3/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, SET 3/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STATE OF ILLINOIS)
 COUNTY OF WELLS) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ___ DAY OF ___ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
 MY LICENSE EXPIRES 11-30-2006

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Lead Surveyors/Engineers/Planners/Landscape Architects/GIS Consultants
 214 OGDEN STREET JOLIET, ILLINOIS 60438
 2605 SOUTH WASHINGTON STREET SUITE 110 NAPERVILLE, ILLINOIS 60563
 PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7740

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 WENTWORTH AVENUE at
 RIVER OAKS DRIVE
 COOK COUNTY
 JOB NO. R-90-011-06
 STATION 221+00 TO STATION 226+00

SCALE: 1"=20' SHEET 4 OF

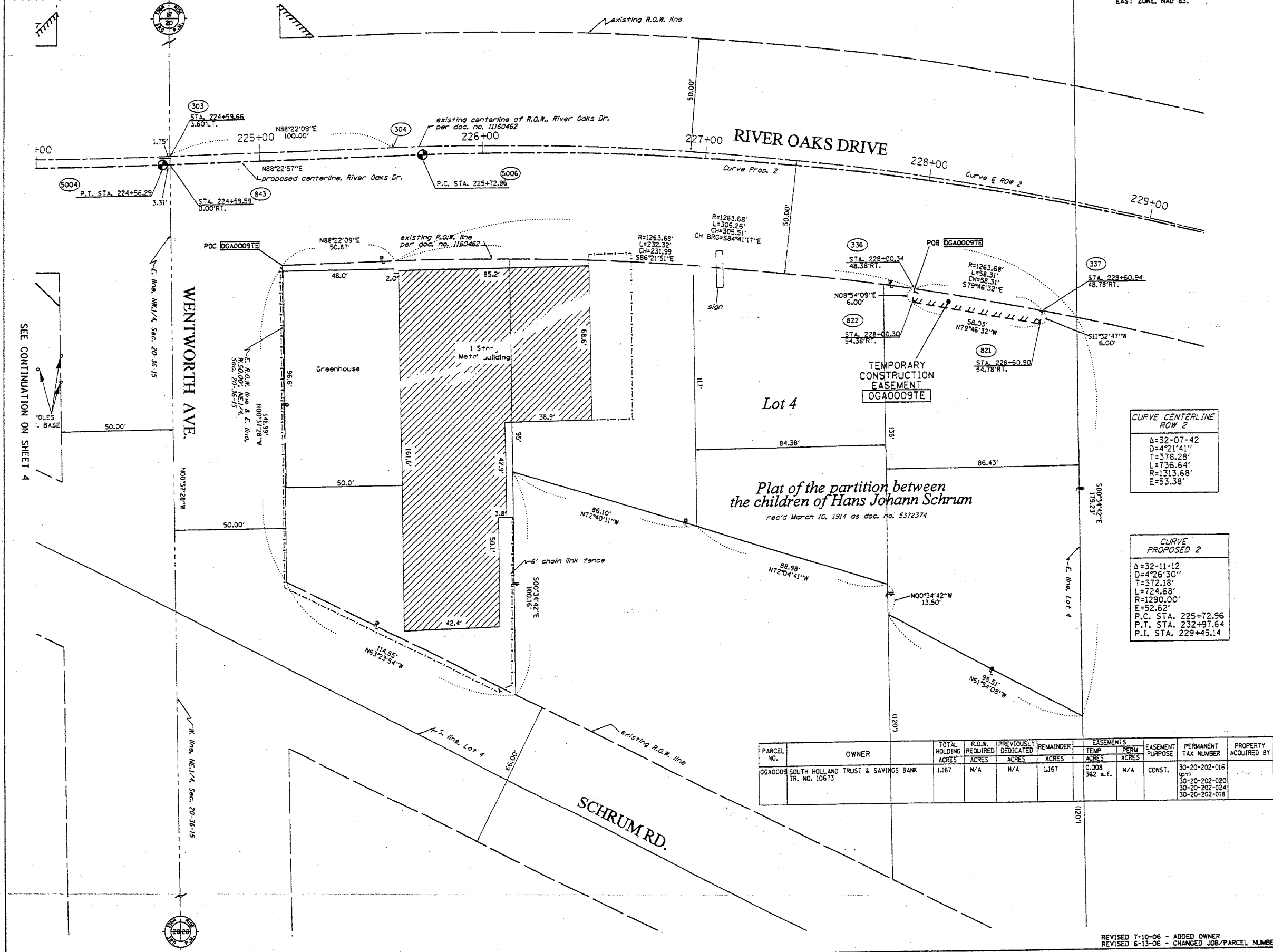
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT
 SCHAMBERG, ILLINOIS 60196

REVISED 9-29-06 - CHANGED TOTAL HOLDING OF 0007
 REVISED 7-24-06 - CHANGED DOC. NO. ON CENTERLINE
 REVISED 7-7-06 - CHANGED JOB NUMBER
 REVISED 6-13-06 - CHANGED JOB/PARCEL NUMBERS

PART OF THE NW 1/4 AND THE NE 1/4 OF SEC. 20, T36N, R15 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.

F.AURTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	29
STATION 224+00 TO STATION 229+00				
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	



LEGEND

- EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- ||| PROPOSED EASEMENT LINE
- - - SECTION LINE
- PROPERTY (DEED) LINE
- 121.45' MEASURED DIMENSION
- 121.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 1/4 INCH IRON ROD
- PERMANENT SURVEY MONUMENT.
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPlice BOX
- LG EXISTING STREET LIGHT
- MAIL EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- STAKING OF PROPOSED RIGHT OF WAY. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

CURVE CENTERLINE ROW 2

Δ=32-07-42
D=4721.41'
T=378.28'
L=736.64'
R=1313.68'
E=53.38'

CURVE PROPOSED 2

Δ=32-11-12
D=4726.30'
T=372.18'
L=724.68'
R=1290.00'
E=52.62'
P.C. STA. 225+72.96
P.T. STA. 232+97.64
P.I. STA. 229+45.14

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630
MY LICENSE EXPIRES 11-30-2006

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	P.D.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
0GA0009	SOUTH HOLLAND TRUST & SAVINGS BANK TR. NO. 10673	1.167	N/A	N/A	1.167	0.008	362 s.f.	N/A	30-20-202-016 (07)	
									30-20-202-020	
									30-20-202-024	
									30-20-202-018	

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/C.L.S. Consultants
2174 OMEGA STREET JOLIET, ILLINOIS 60438
PH (815) 744-6600 FAX (815) 744-0001

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
WENTWORTH AVENUE at RIVER OAKS DRIVE

COOK COUNTY
JOB NO. R-90-011-06
STATION 224+00 TO STATION 229+00

SCALE: 1"=20' SHEET 5 OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAMBERG, ILLINOIS 60196

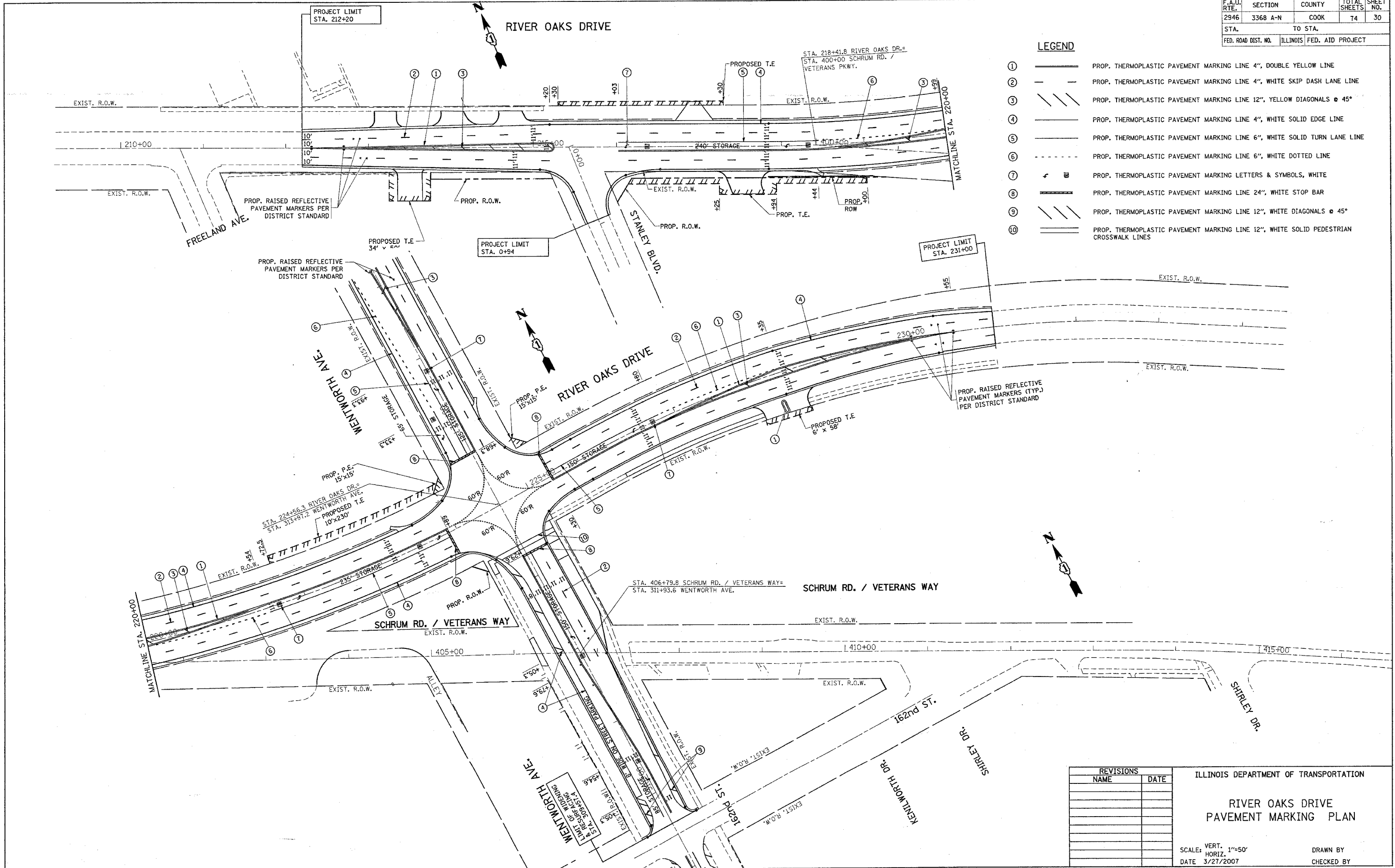
SHEET 1 OF -- IS A COVER SHEET AND IS NOT RECORDED
RT&A 20061103 (WENTWORTH AVE.)

115.dgn 7/28/2006 11:39:01 AM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

- ① ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE YELLOW LINE
- ② - - - PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE SKIP DASH LANE LINE
- ③ // // PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", YELLOW DIAGONALS @ 45°
- ④ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE SOLID EDGE LINE
- ⑤ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 6", WHITE SOLID TURN LANE LINE
- ⑥ - · - · PROP. THERMOPLASTIC PAVEMENT MARKING LINE 6", WHITE DOTTED LINE
- ⑦ [] PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE
- ⑧ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 24", WHITE STOP BAR
- ⑨ // // PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", WHITE DIAGONALS @ 45°
- ⑩ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", WHITE SOLID PEDESTRIAN CROSSWALK LINES



REVISIONS	
NAME	DATE

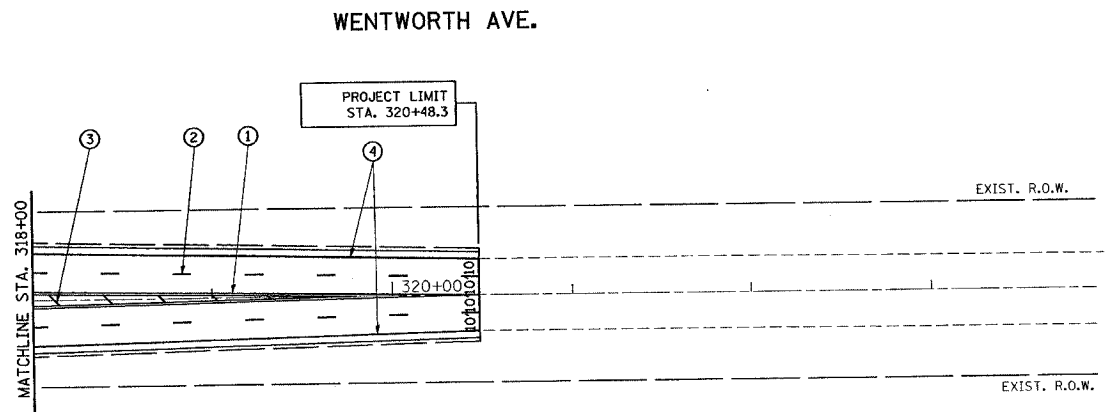
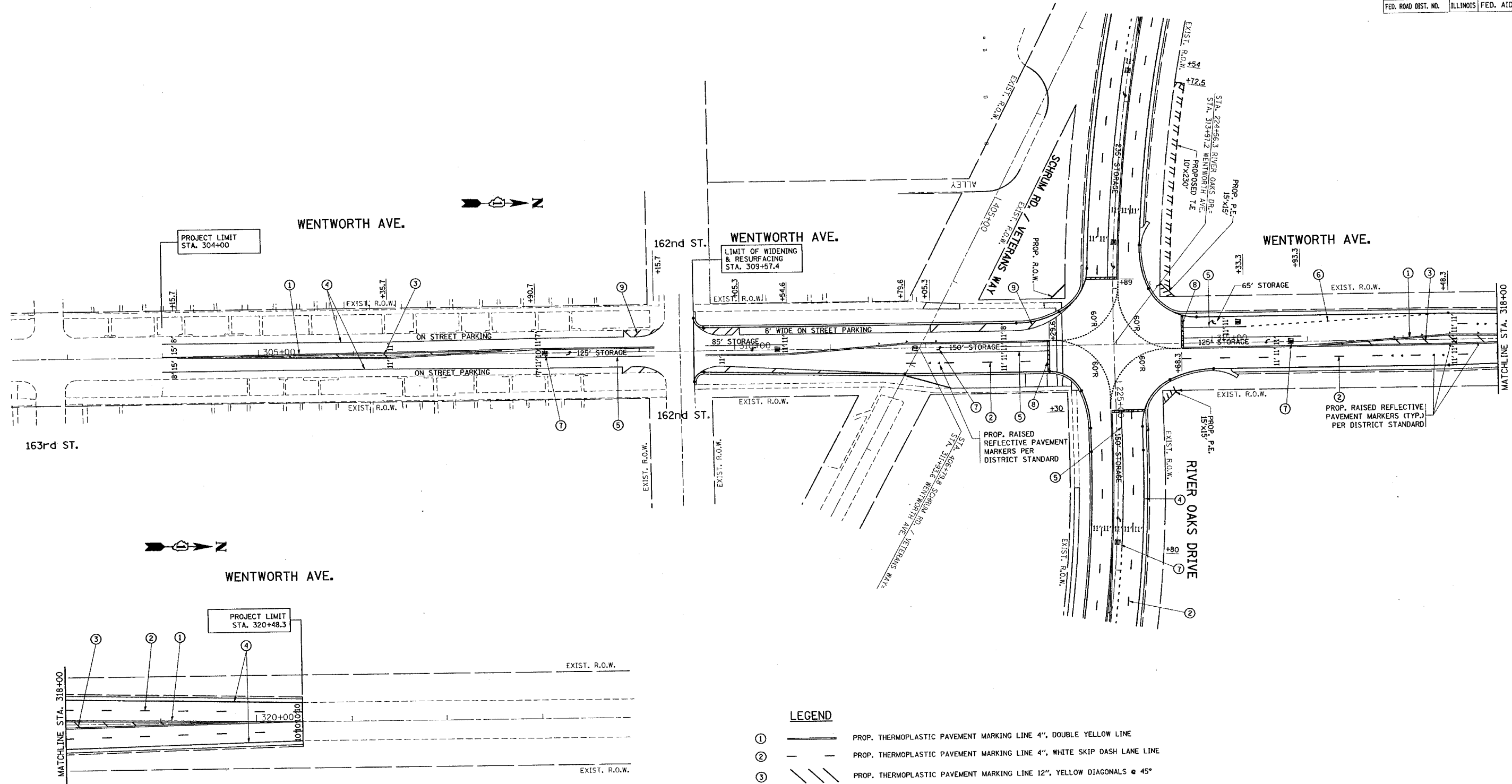
ILLINOIS DEPARTMENT OF TRANSPORTATION

**RIVER OAKS DRIVE
PAVEMENT MARKING PLAN**

SCALE: VERT. 1"=50'
HORIZ. DATE 3/27/2007

DRAWN BY
CHECKED BY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

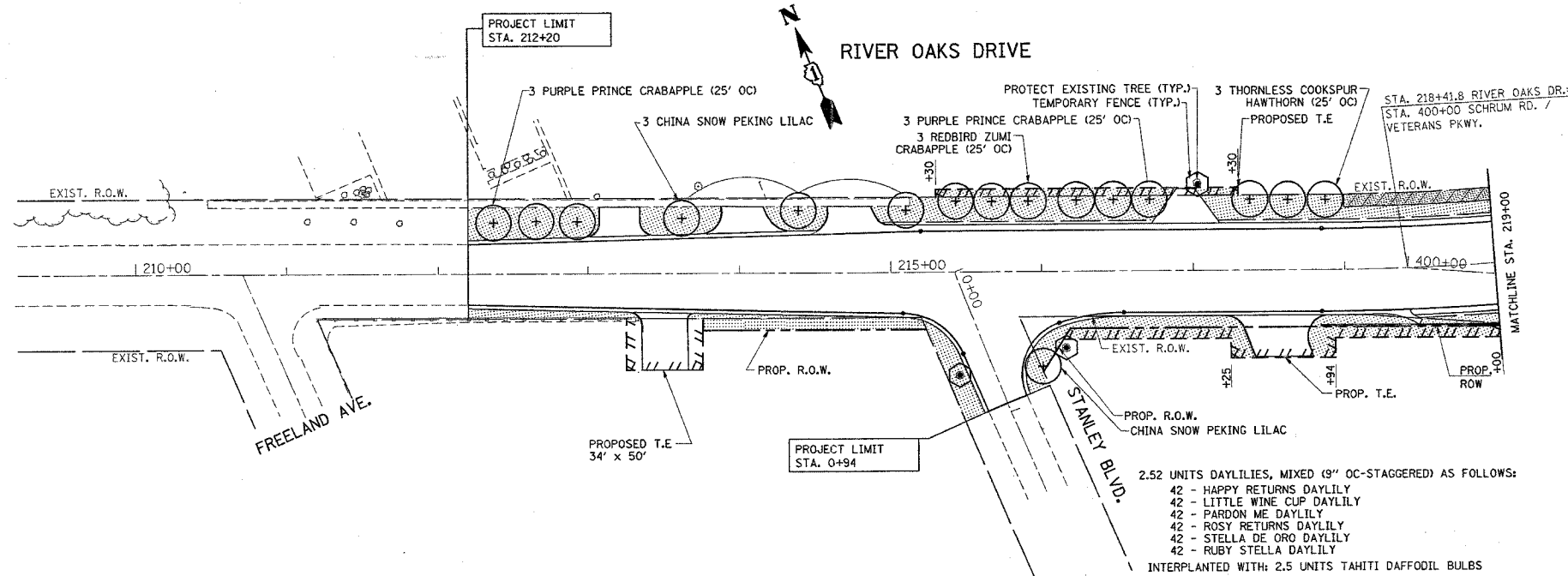
- ① ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE YELLOW LINE
- ② ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE SKIP DASH LANE LINE
- ③ // // PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", YELLOW DIAGONALS @ 45°
- ④ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 4", WHITE SOLID EDGE LINE
- ⑤ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 6", WHITE SOLID TURN LANE LINE
- ⑥ - - - - PROP. THERMOPLASTIC PAVEMENT MARKING LINE 6", WHITE DOTTED LINE
- ⑦ — ■ — PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE
- ⑧ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 24", WHITE STOP BAR
- ⑨ // // PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", WHITE DIAGONALS @ 45°
- ⑩ ——— PROP. THERMOPLASTIC PAVEMENT MARKING LINE 12", WHITE SOLID PEDESTRIAN CROSSWALK LINES

REVISIONS	
NAME	DATE

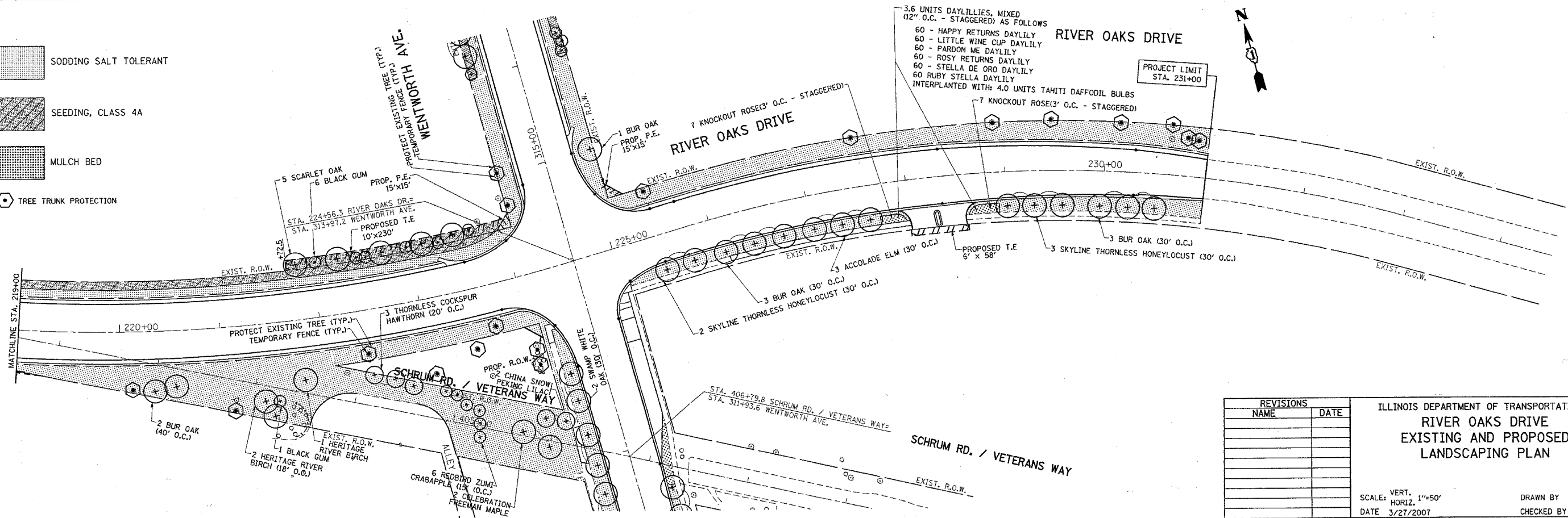
ILLINOIS DEPARTMENT OF TRANSPORTATION
**WENTWORTH AVE.
 PAVEMENT MARKING PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 3/27/2007
 DRAWN BY _____
 CHECKED BY _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	32
STA. 209+22		TO STA. 219+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- SODDING SALT TOLERANT
- SEEDING, CLASS 4A
- MULCH BED
- TREE TRUNK PROTECTION



REVISIONS	
NAME	DATE

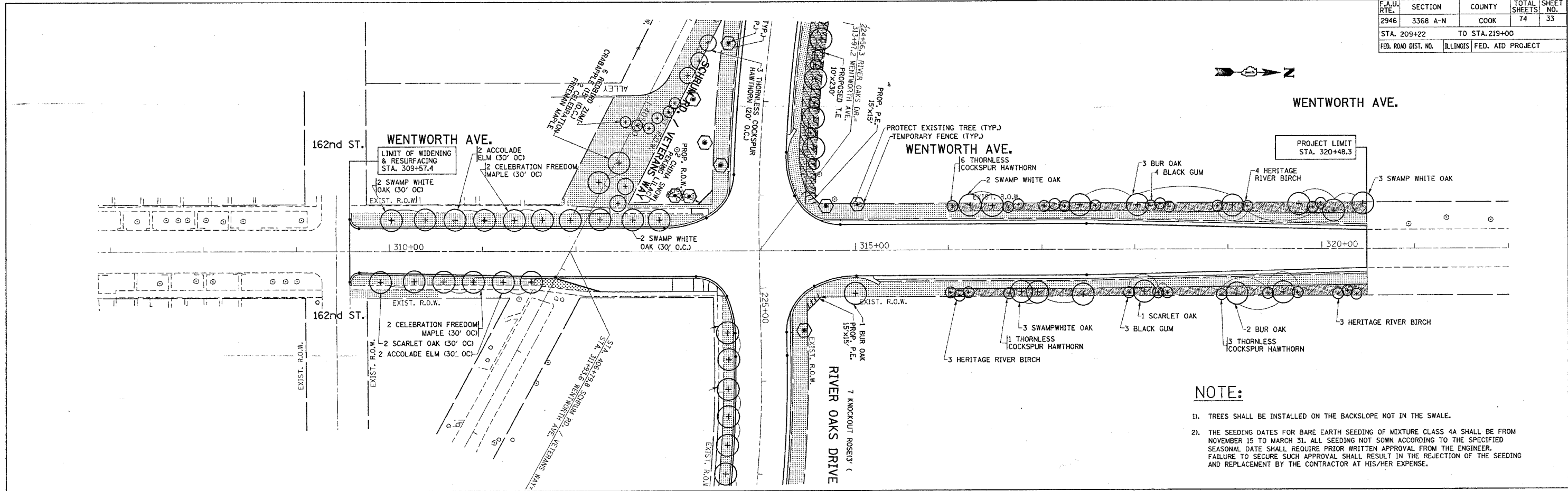
ILLINOIS DEPARTMENT OF TRANSPORTATION
**RIVER OAKS DRIVE
 EXISTING AND PROPOSED
 LANDSCAPING PLAN**

SCALE: VERT. 1"=50'
 DATE 3/27/2007
 DRAWN BY
 CHECKED BY

*REF-plant03
*REF-plant04

CONTRACT NO. 62915

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	33
STA. 209+22 TO STA. 219+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

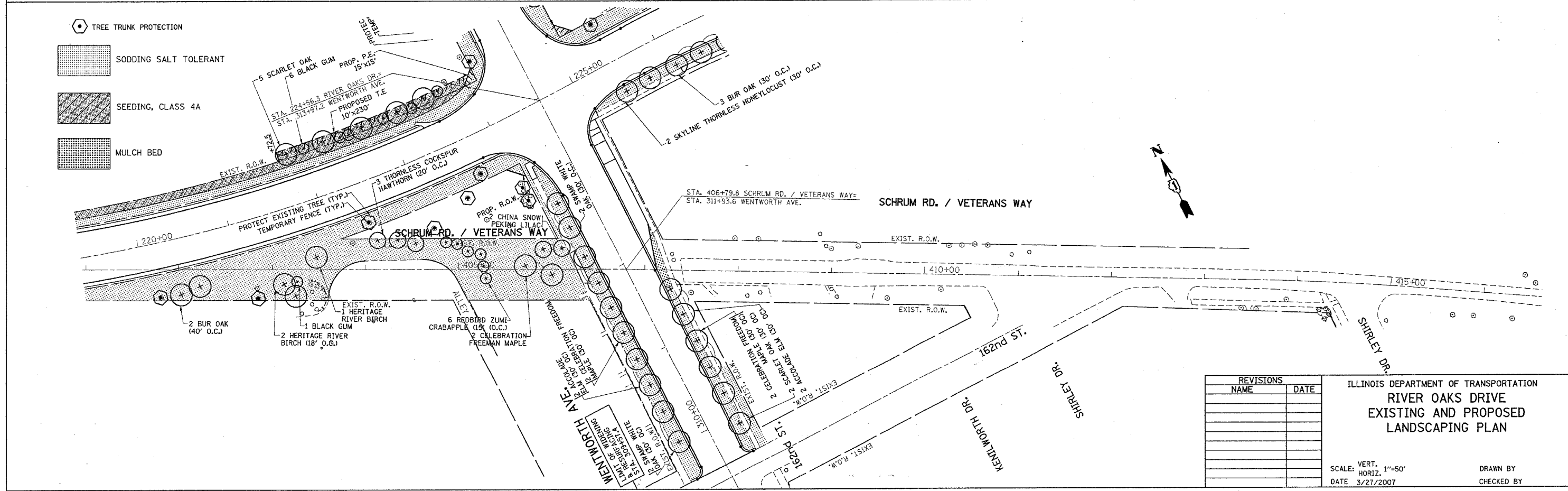


NOTE:

1. TREES SHALL BE INSTALLED ON THE BACKSLOPE NOT IN THE SWALE.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A SHALL BE FROM NOVEMBER 15 TO MARCH 31. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

LEGEND

- TREE TRUNK PROTECTION (Symbol: circle with cross)
- SODDING SALT TOLERANT (Symbol: stippled pattern)
- SEEDING, CLASS 4A (Symbol: diagonal hatching)
- MULCH BED (Symbol: cross-hatched pattern)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**RIVER OAKS DRIVE
EXISTING AND PROPOSED
LANDSCAPING PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 3/27/2007
DRAWN BY _____
CHECKED BY _____

PLOT DATE = 3/27/2007
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 USER = jstakef
 PLOTTER = HP DesignJet 2400

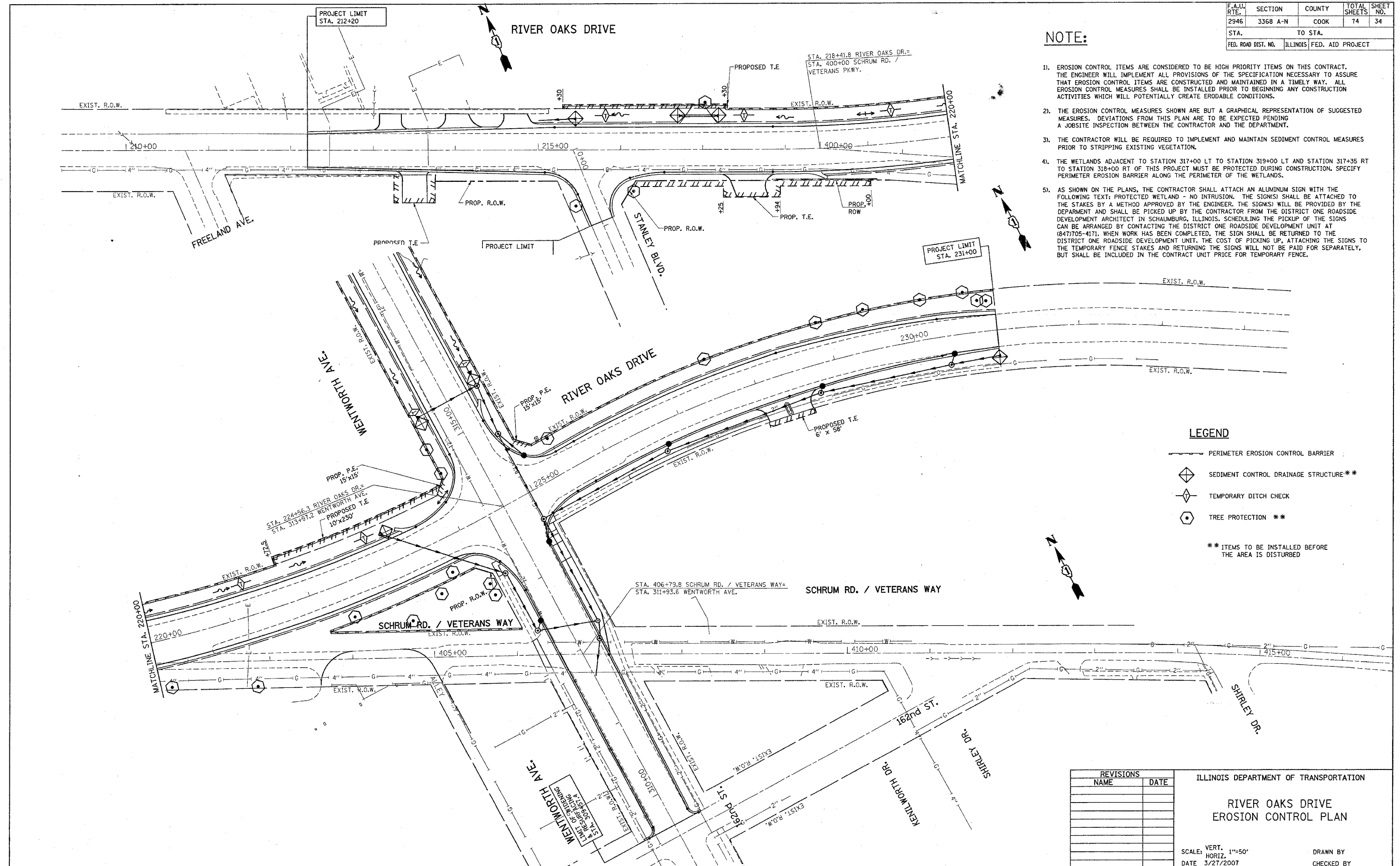
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
4. THE WETLANDS ADJACENT TO STATION 317+00 LT TO STATION 319+00 LT AND STATION 317+35 RT TO STATION 318+00 RT OF THIS PROJECT MUST BE PROTECTED DURING CONSTRUCTION. SPECIFY PERIMETER EROSION BARRIER ALONG THE PERIMETER OF THE WETLANDS.
5. AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHLAUBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

LEGEND

- PERIMETER EROSION CONTROL BARRIER
 - ◇ SEDIMENT CONTROL DRAINAGE STRUCTURE**
 - ◇ TEMPORARY DITCH CHECK
 - ◇ TREE PROTECTION **
- ** ITEMS TO BE INSTALLED BEFORE THE AREA IS DISTURBED



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RIVER OAKS DRIVE
EROSION CONTROL PLAN**





SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 3/27/2007

DRAWN BY
CHECKED BY

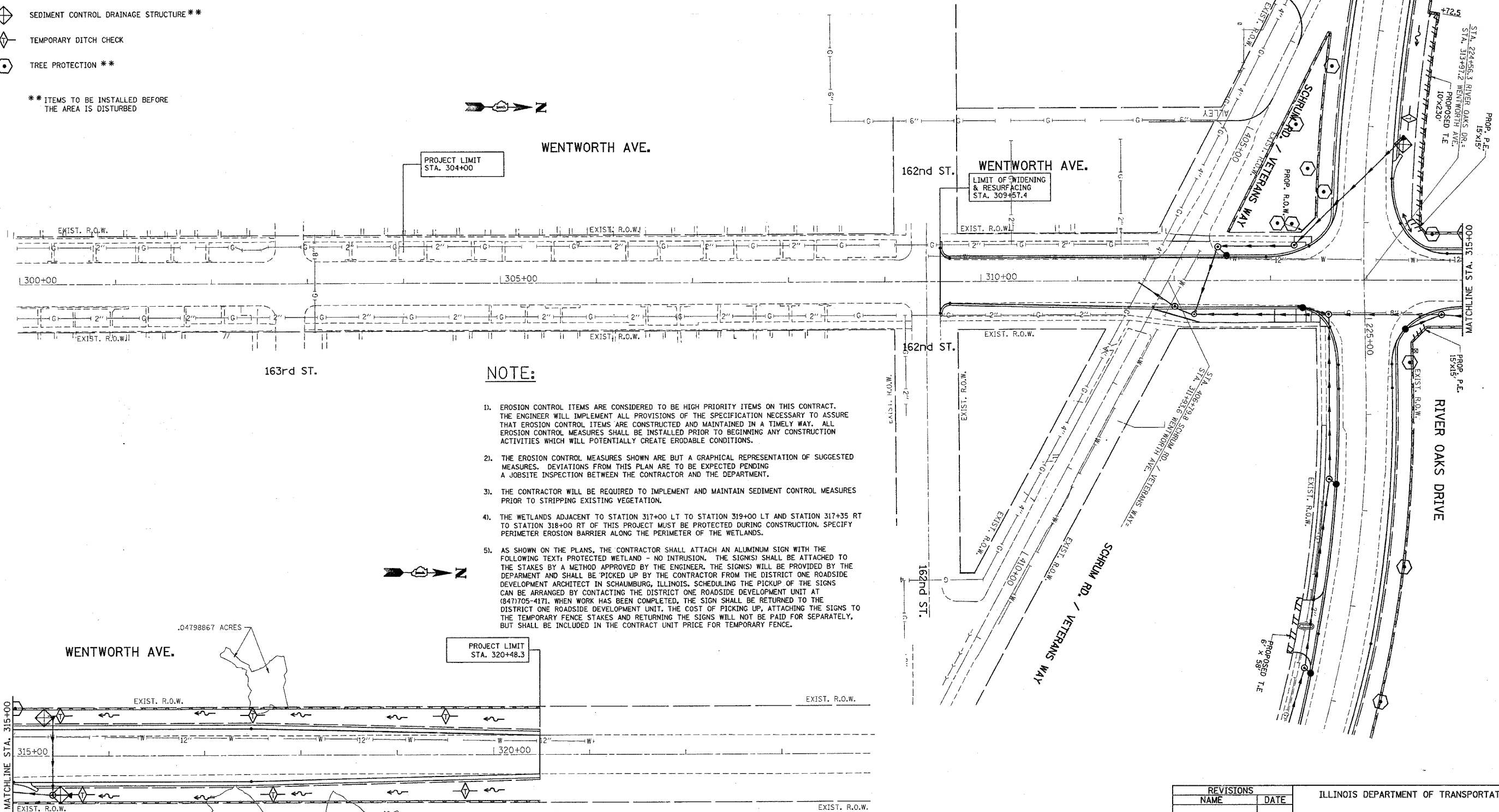
3/27/2007
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND

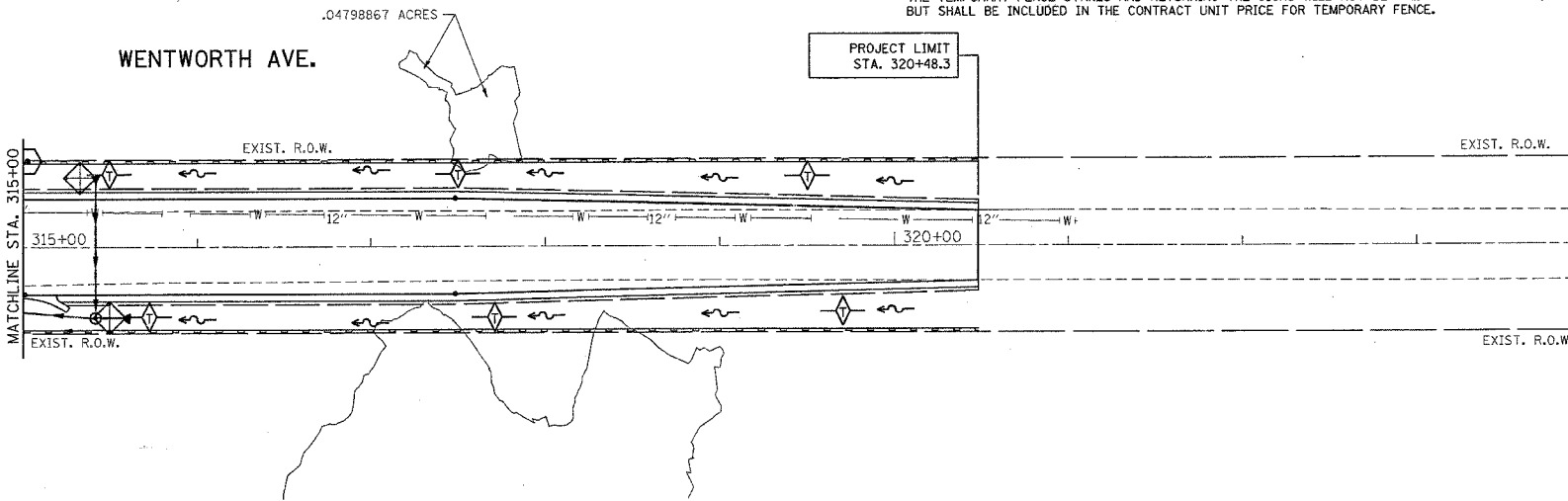
-  PERIMETER EROSION CONTROL BARRIER
-  SEDIMENT CONTROL DRAINAGE STRUCTURE **
-  TEMPORARY DITCH CHECK
-  TREE PROTECTION **

** ITEMS TO BE INSTALLED BEFORE THE AREA IS DISTURBED



NOTE:

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
4. THE WETLANDS ADJACENT TO STATION 317+00 LT TO STATION 319+00 LT AND STATION 317+35 RT TO STATION 318+00 RT OF THIS PROJECT MUST BE PROTECTED DURING CONSTRUCTION. SPECIFY PERIMETER EROSION BARRIER ALONG THE PERIMETER OF THE WETLANDS.
5. AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGNS SHALL BE ATTACHED TO THE STAKES BY A METHOD APPROVED BY THE ENGINEER. THE SIGNS WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847)705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY FENCE STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.



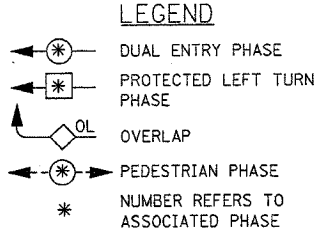
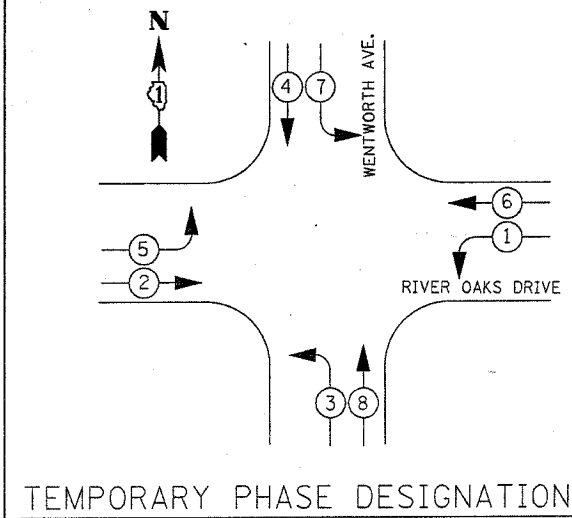
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

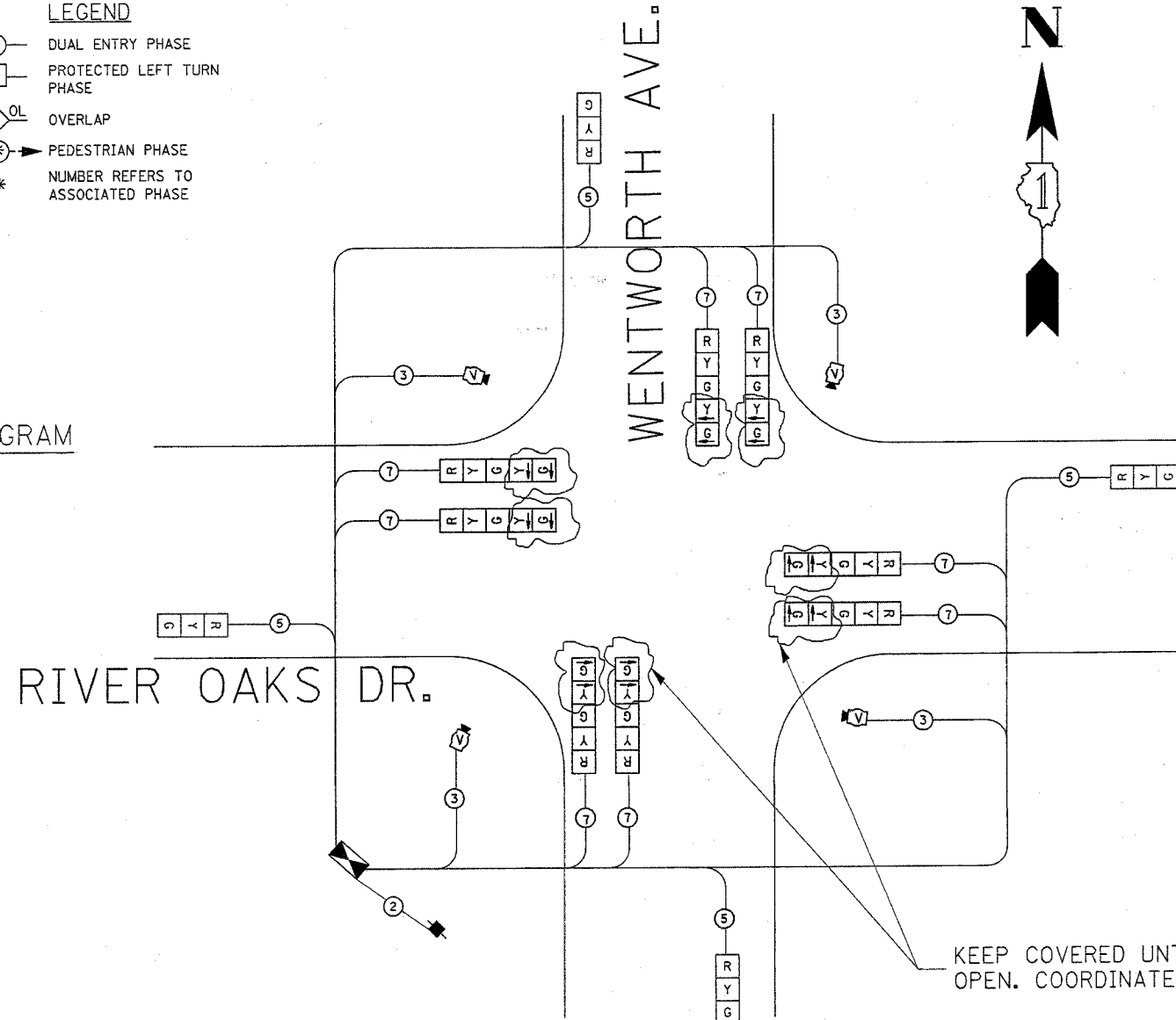
**WENTWORTH AVENUE
EROSION CONTROL PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 3/21/2007

DRAWN BY
CHECKED BY



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY CABLE PLAN

TEMPORARY CABLE DIAGRAM LEGEND

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET		
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT		
TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12" (300 mm)		
12" (300 mm) PEDESTRIAN SIGNAL SECTION		
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED		
PEDESTRIAN PUSHBUTTON DETECTOR		
VEHICLE DETECTOR, INDUCTION LOOP		
MICROWAVE VEHICLE SENSOR		
VIDEO DETECTOR		
CLOSED CIRCUIT TV		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		

KEEP COVERED UNTIL ALL LEFT TURN LANES OPEN. COORDINATE WITH TRAFFIC AREA ENGINEER.

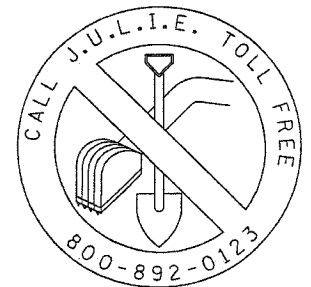
TEMPORARY SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAN.)	LED	% OPERATION	
SIGNAL (RED)	8	135	17	0.50	540.00
(YELLOW)	16	135	25	0.25	540.00
(GREEN)	16	135	15	0.25	540.00
ARROW	16	135	12	0.10	216.00
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
TOTAL =					1936.00

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196-1096
CONTACT: KEVIN LUBAWSKI
PHONE: 630-437-2495
COMPANY: COMM. ED.

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'±L-2'±
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m±L-0.6m)±	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM WENTWORTH AVE AT RIVER OAKS DR.
NAME	DATE	

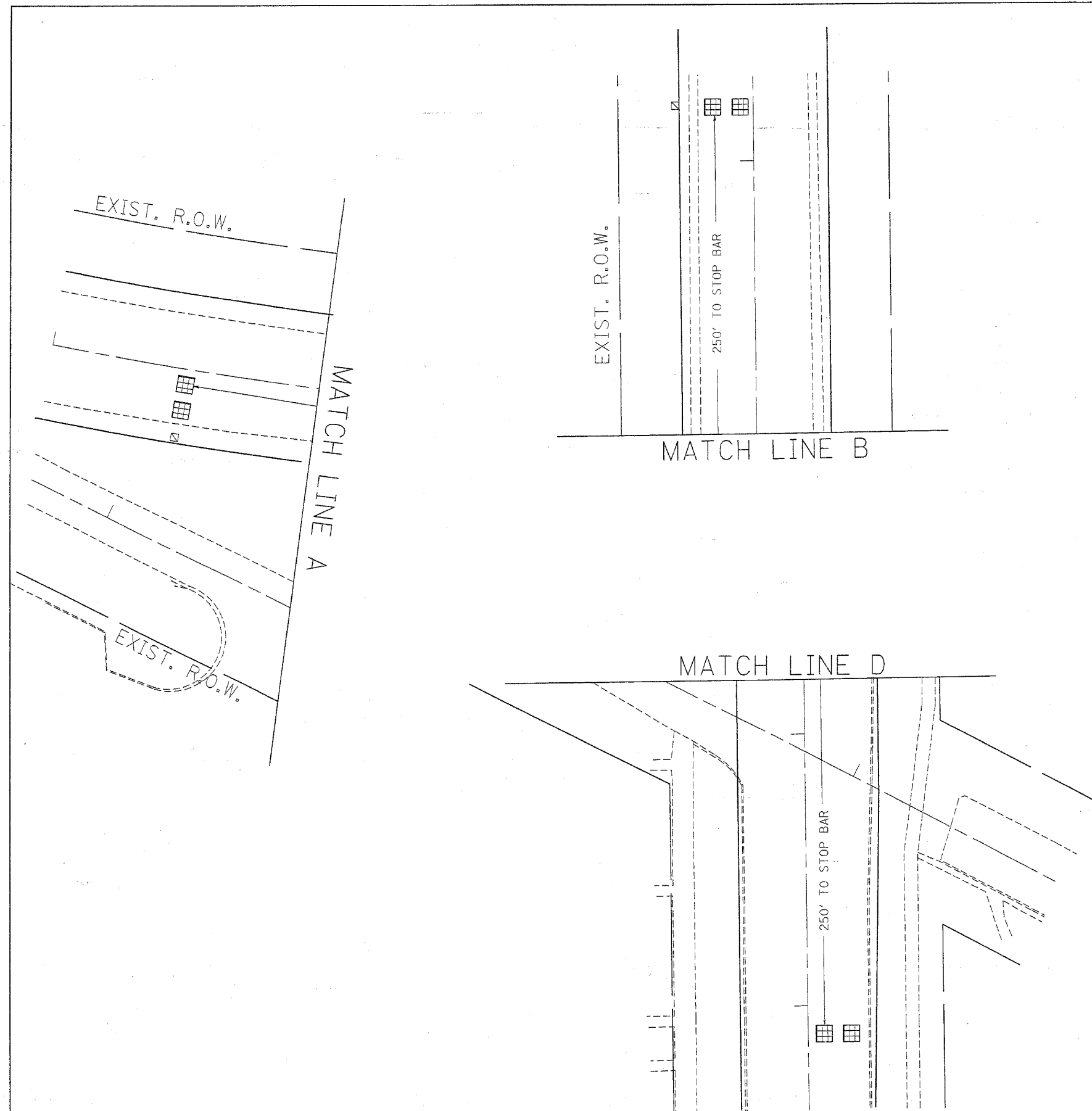
SCALE: NTS
DATE: 2/21/2007
DRAWN BY: BCK
DESIGN BY: BCK
CHECKED BY: DAD

2/21/2007
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kanthashikaybc

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1608	3368 A-N	COOK	74	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL AND REMOVAL LEGEND

	PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET		
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT		
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION		
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION		
TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM		
EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED		
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
EXISTING STREET LIGHT, FOUNDATION AND LUMINAIRE TO REMAIN		
HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
COMMON TRENCH		
UNIT DUCT		
PERFORMED DETECTOR LOOP		
MICROWAVE VEHICLE SENSOR		
VIDEO DETECTOR		
CLOSED CIRCUIT TV		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP, TYPE I		
DETECTION ZONE		



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN WENTWORTH AVE. @ RIVER OAKS DR.
SCALE: VERT. 1/250 HORIZ. 1/250		DRAWN BY BCK DESIGN BY BCK CHECKED BY DAD
DATE 2/21/2007		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
160B	3368 A-N	COOK	74	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH CONTROLLER AND CABINET (COMPLETE)

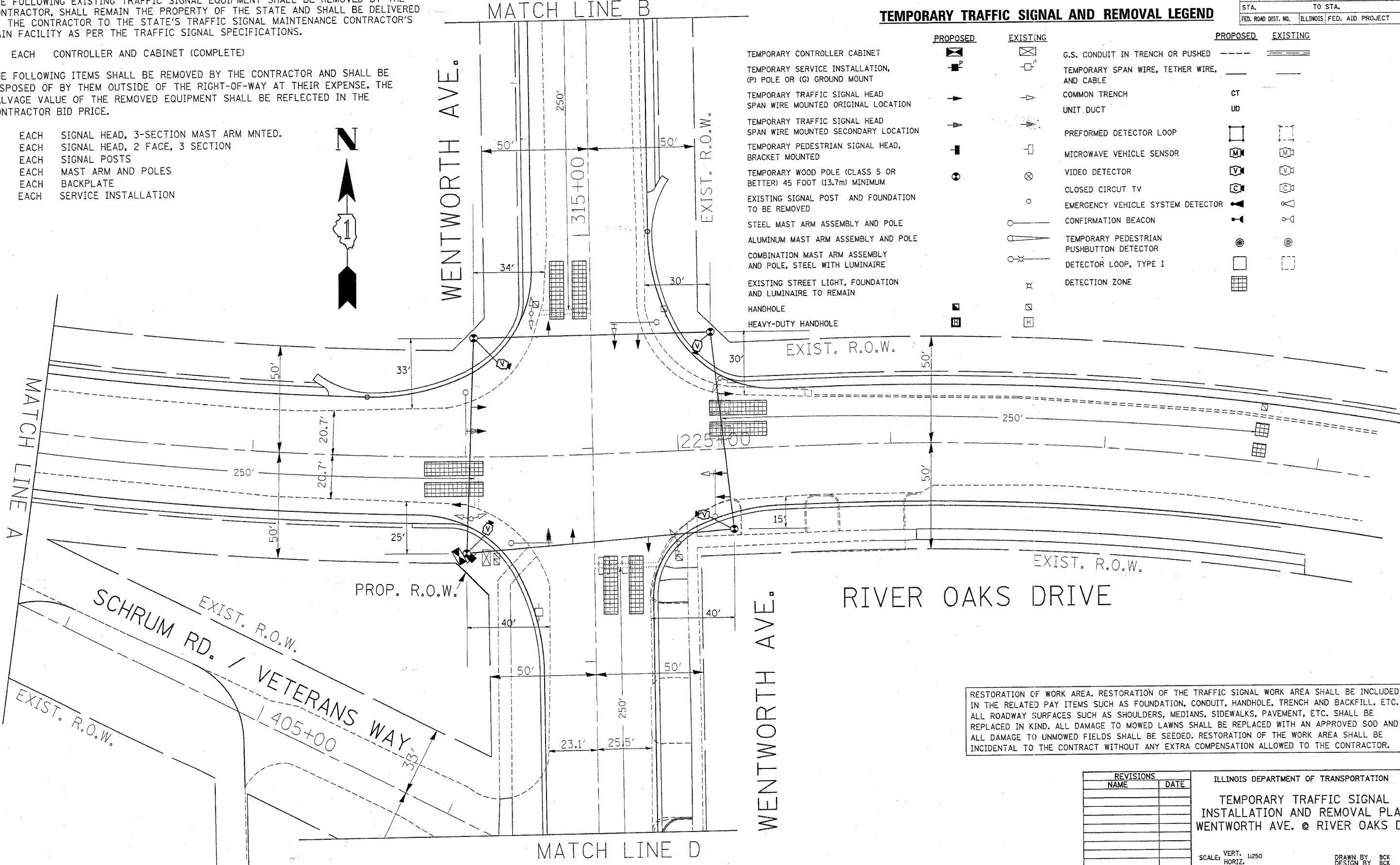
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR BID PRICE.

- 4 EACH SIGNAL HEAD, 3-SECTION MAST ARM MNTD.
- 4 EACH SIGNAL HEAD, 2 FACE, 3 SECTION
- 4 EACH SIGNAL POSTS
- 4 EACH MAST ARM AND POLES
- 4 EACH BACKPLATE
- 1 EACH SERVICE INSTALLATION



TEMPORARY TRAFFIC SIGNAL AND REMOVAL LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
TEMPORARY CONTROLLER CABINET			G.S. CONDUIT IN TRENCH OR PUSHED		
TEMPORARY SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION			COMMON TRENCH	CT	
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION			UNIT DUCT	UD	
TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED			PERFORMED DETECTOR LOOP		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM			MICROWAVE VEHICLE SENSOR		
EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED			VIDEO DETECTOR		
STEEL MAST ARM ASSEMBLY AND POLE			CLOSED CIRCUIT TV		
ALUMINUM MAST ARM ASSEMBLY AND POLE			EMERGENCY VEHICLE SYSTEM DETECTOR		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE			CONFIRMATION BEACON		
EXISTING STREET LIGHT, FOUNDATION AND LUMINAIRE TO REMAIN			TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR		
HANDHOLE			DETECTOR LOOP, TYPE I		
HEAVY-DUTY HANDHOLE			DETECTION ZONE		



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED. RESTORATION OF THE WORK AREA SHALL BE INCIDENTAL TO THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMPORARY TRAFFIC SIGNAL
 INSTALLATION AND REMOVAL PLAN
 WENTWORTH AVE. @ RIVER OAKS DR.**
 SCALE: VERT. 1:250
 HORIZ. DATE 2/21/2007
 DRAWN BY BCK
 DESIGN BY BCK
 CHECKED BY DAD

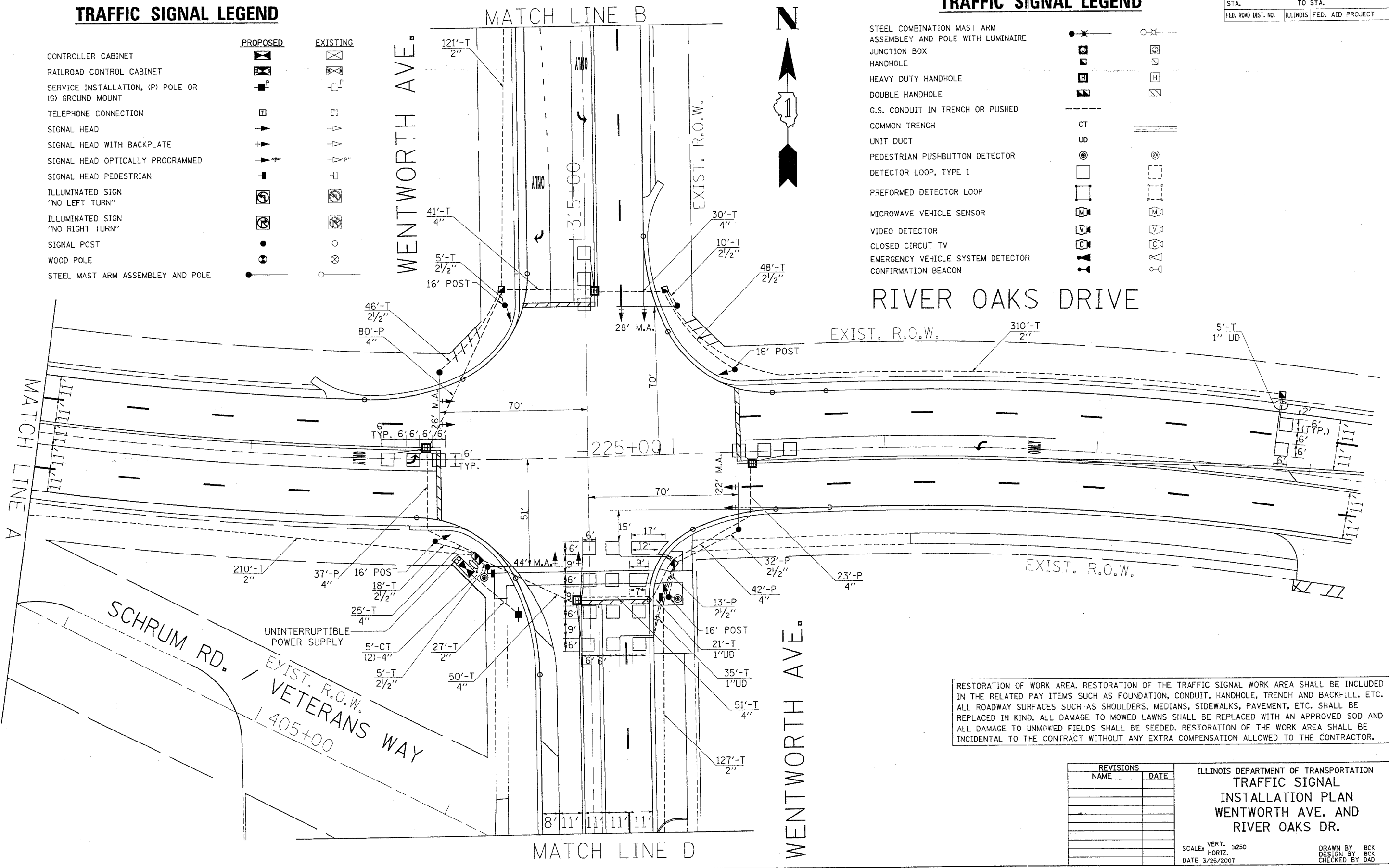
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1608	3368 A-N	COOK	74	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

- | | | |
|--|-----------------|-----------------|
| | PROPOSED | EXISTING |
| CONTROLLER CABINET | | |
| RAILROAD CONTROL CABINET | | |
| SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT | | |
| TELEPHONE CONNECTION | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD OPTICALLY PROGRAMMED | | |
| SIGNAL HEAD PEDESTRIAN | | |
| ILLUMINATED SIGN "NO LEFT TURN" | | |
| ILLUMINATED SIGN "NO RIGHT TURN" | | |
| SIGNAL POST | | |
| WOOD POLE | | |
| STEEL MAST ARM ASSEMBLY AND POLE | | |

TRAFFIC SIGNAL LEGEND

- | | | |
|---|----|--|
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE | | |
| JUNCTION BOX | | |
| HANDHOLE | | |
| HEAVY DUTY HANDHOLE | | |
| DOUBLE HANDHOLE | | |
| G.S. CONDUIT IN TRENCH OR PUSHED | | |
| COMMON TRENCH | CT | |
| UNIT DUCT | UD | |
| PEDESTRIAN PUSHBUTTON DETECTOR | | |
| DETECTOR LOOP, TYPE I | | |
| PREFORMED DETECTOR LOOP | | |
| MICROWAVE VEHICLE SENSOR | | |
| VIDEO DETECTOR | | |
| CLOSED CIRCUIT TV | | |
| EMERGENCY VEHICLE SYSTEM DETECTOR | | |
| CONFIRMATION BEACON | | |



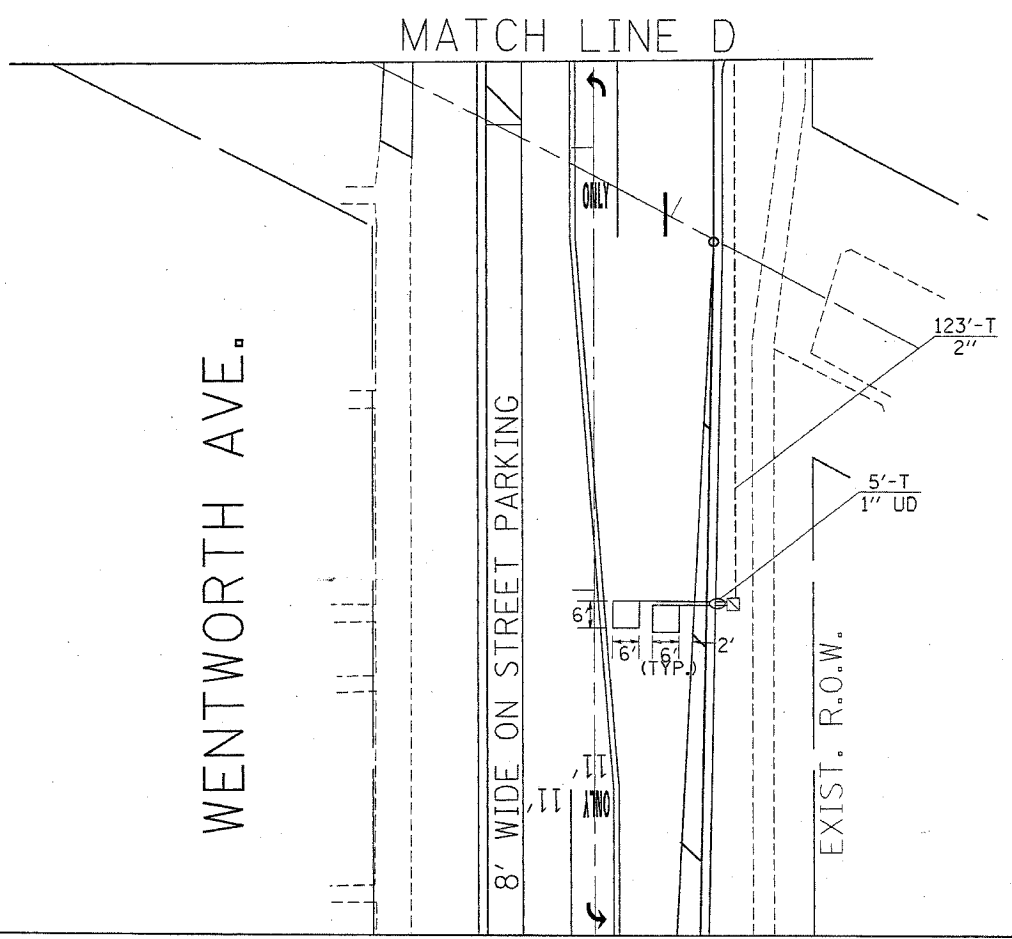
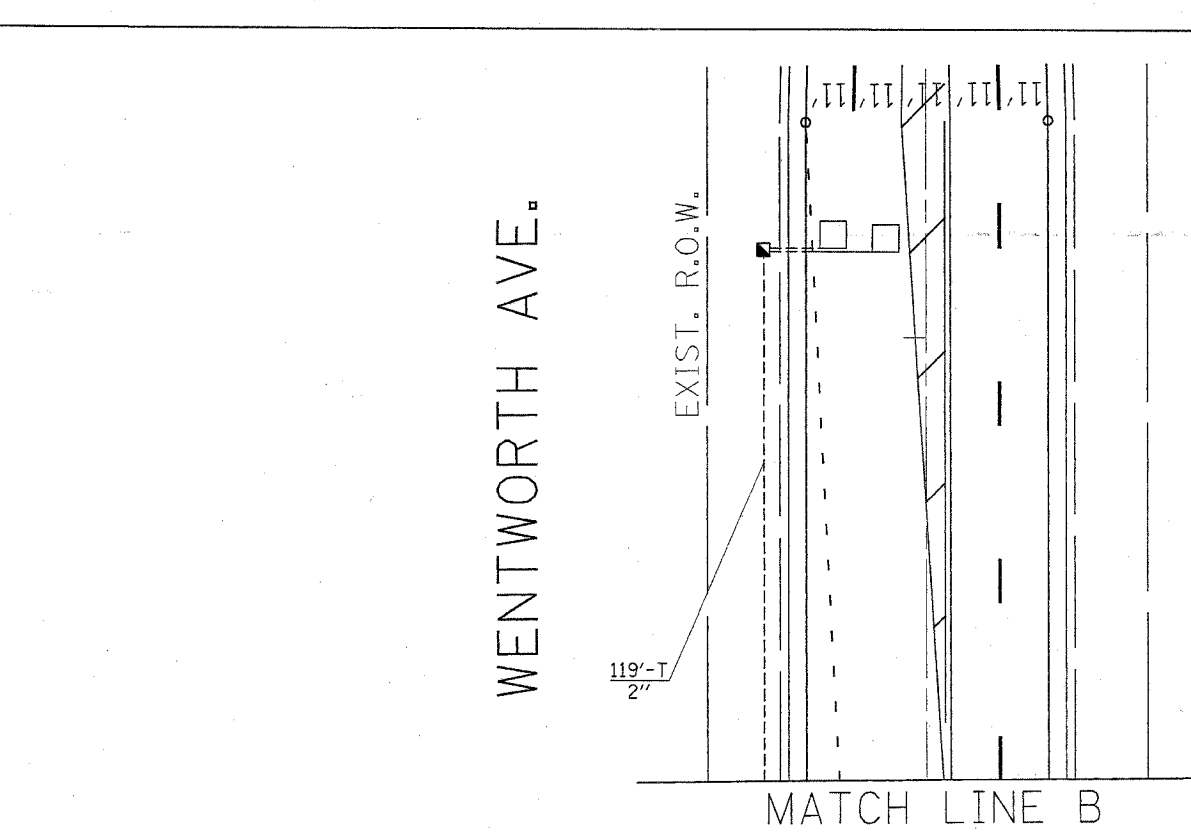
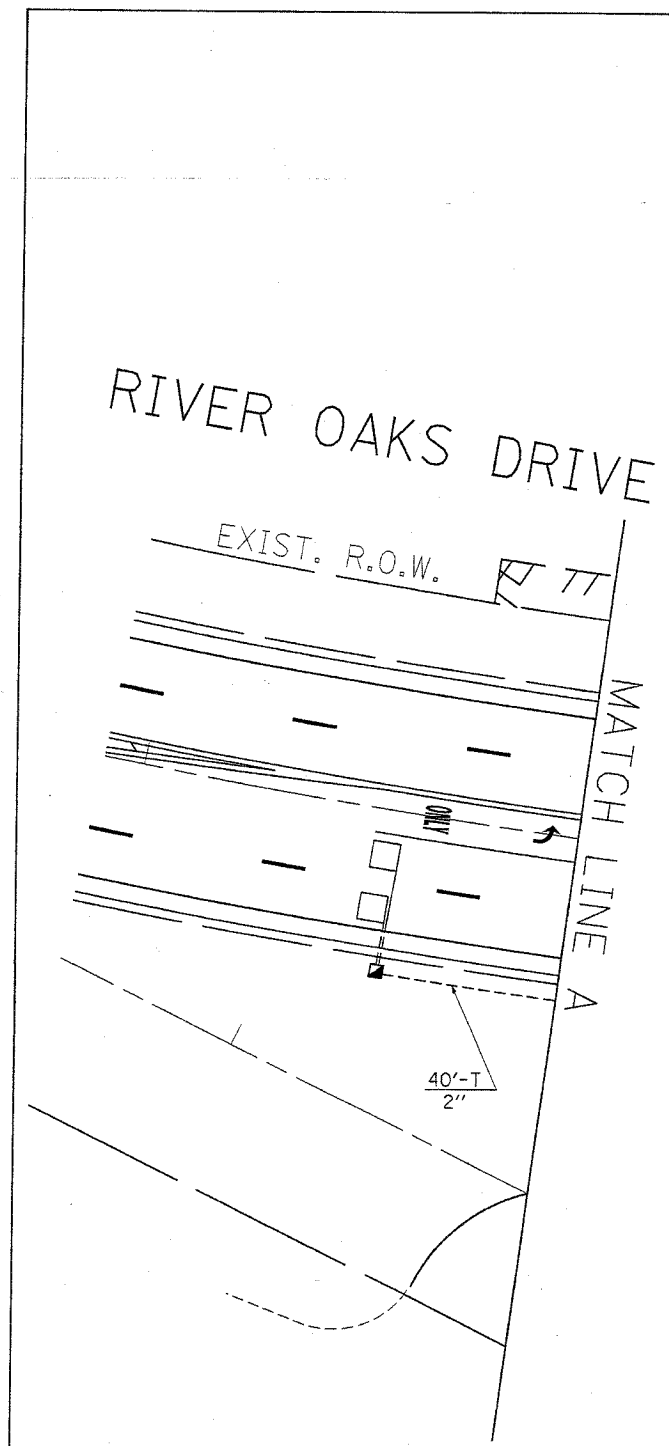
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED. RESTORATION OF THE WORK AREA SHALL BE INCIDENTAL TO THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL
 INSTALLATION PLAN
 WENTWORTH AVE. AND
 RIVER OAKS DR.**

SCALE: VERT. 1:250
 HORIZ. 1:250
 DATE 3/26/2007
 DRAWN BY BCK
 DESIGN BY BCK
 CHECKED BY DAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1608	3368 A-N	COOK	74	40
STA. 1608		TO STA. 1610		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



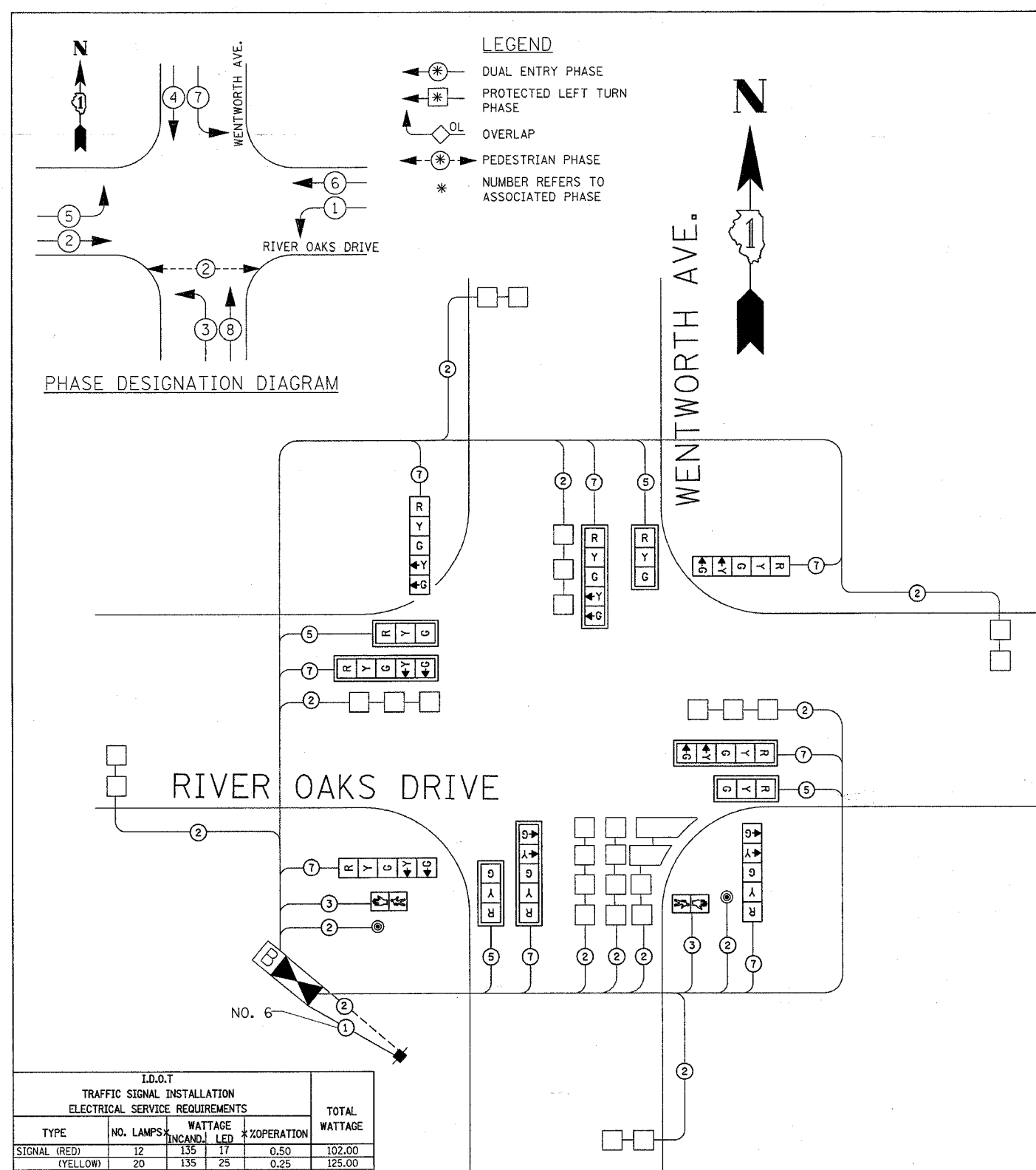
TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
RAILROAD CONTROL CABINET		
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT		
TELEPHONE CONNECTION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED		
SIGNAL HEAD PEDESTRIAN		
ILLUMINATED SIGN "NO LEFT TURN"		
ILLUMINATED SIGN "NO RIGHT TURN"		
SIGNAL POST		
WOOD POLE		
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
JUNCTION BOX		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
COMMON TRENCH		
UNIT DUCT		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP, TYPE I		
PERFORMED DETECTOR LOOP		
MICROWAVE VEHICLE SENSOR		
VIDEO DETECTOR		
CLOSED CIRCUIT TV		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL
 INSTALLATION PLAN
 WENTWORTH AVE. AND
 RIVER OAKS DR.**
 SCALE: VERT. 1/250
 HORIZ. 1/250
 DATE 2/21/2007
 DRAWN BY BCK
 DESIGN BY BCK
 CHECKED BY DAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1608	3368 A-N	COOK	74	42
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ. FT.	36
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1050
CONDUIT IN PUSH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	45
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	132
CONDUIT IN PUSH, 4" DIA., GALVANIZED STEEL	FOOT	182
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	197
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1182
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	184.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	204.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	861
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1660
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2712
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	30
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIA.	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIA.	FOOT	30
SIGNAL HEAD, L.E.D. 1-FACE, 3 SECTION, MAST ARM MNTD.	EACH	4
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, MAST ARM MNTD.	EACH	4
SIGNAL HEAD, L.E.D. 1-FACE, 5 SECTION, MAST ARM MNTD.	EACH	4
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRKT. MTD.	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	810
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
SERVICE INSTALLATION, POLE MOUNT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN LEGEND		PROPOSED	EXISTING
CONTROLLER CABINET			
RAILROAD CONTROL CABINET			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT			
TELEPHONE CONNECTION			
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
FIBER OPTIC CABLE IN CONDUIT, NUMBER OF FIBERS AS NOTED			
ELECTRIC CABLE IN CONDUIT, NO. 14, UNLESS OTHERWISE NOTED. NUMBER OF CONDUCTORS AS NOTED			
GROUND CABLE IN CONDUIT NO. 6 COPPER (GREEN)			
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD			
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			
12" (300mm) TRAFFIC SIGNAL SECTION			
12" (300mm) PEDESTRIAN SIGNAL SECTION			
ILLUMINATED SIGN "NO LEFT TURN"			
ILLUMINATED SIGN "NO RIGHT TURN"			
PUSHBUTTON DETECTOR			
DETECTOR LOOP			
PERFORMED DETECTOR LOOP			
MICROWAVE VEHICLE SENSOR			
VIDEO DETECTOR			
CLOSED CIRCUIT TV			
EMERGENCY VEHICLE SYSTEM DETECTOR			
CONFIRMATION BEACON			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	20	135	25	0.25	125.00
(GREEN)	20	135	15	0.25	75.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	90	25		1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	421.20

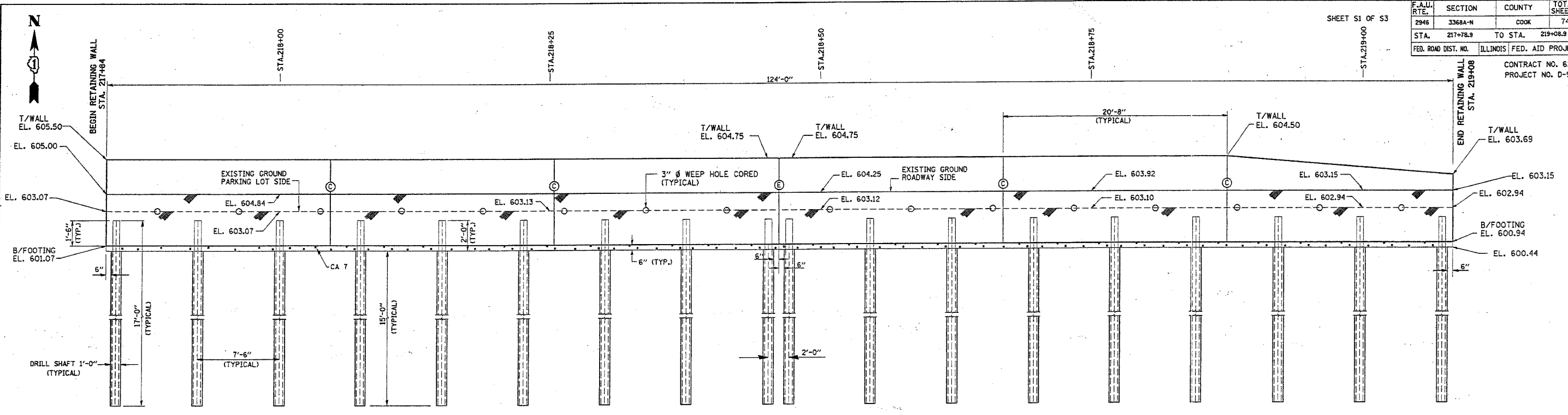
FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' H-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	(6m H-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

3/26/2007
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 kanthapixybc

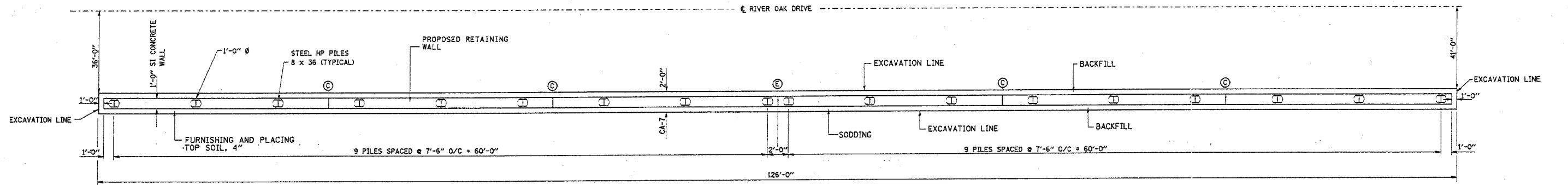
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 CABLE PLAN AND PHASE
 DESIGNATION DIAGRAM
 WENTWORTH AVE. AND
 RIVER OAKS DR.
 SCALE: NTS
 DATE: 3/26/2007
 DRAWN BY: BCK
 DESIGN BY: BCK
 CHECKED BY: DAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368A-N	COOK	74	43
STA. 217+78.9	TO STA. 219+08.9			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 62915	
			PROJECT NO. D-91-129-05	



ELEVATION



PLAN

GENERAL NOTES:

- ELEVATIONS ARE IN FEET.
- DIMENSIONS ARE IN FEET - INCHES
- USE CLASS SI CONCRETE, EXCEPT OTHERWISE NOTED.
- EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4"
- MINIMUM CLEAR COVER 1/2"
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31, M 32, GRADE 60.
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- BACK FILLING SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 502.10 OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 3" Ø WEEP HOLES ARE TO BE CORED.
- DO NOT SCALE DIMENSIONS.
- PLAN DIMENSIONS AND DETAILS HAVE BEEN SURVEYED AS SHOWN AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.
- SOLDIER PILES SHALL BE SHOP PAINTED WITH INORGANIC ZINC-RICH PRIMER ACCORDING TO THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING NEW METAL STRUCTURES". THE COST OF THIS WORK IS INCLUDED WITH PAY ITEM "FURNISHING SOLDIER PILES (HP SECTION)".

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YDS.	17.1
REINFORCEMENT BARS, EPOXY COATED	LBS	1470
FURNISHING SOLDIER PILES (HP SECTION)	FOOT	306
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU. FT.	212
AGGREGATE BACK FILL, CA-7,	CU. YDS.	5
CONCRETE CLASS DS **	CU. YDS.	8
STRUCTURE EXCAVATION	CU. YDS.	19
FURNISHING AND PLACING TOP SOIL, 4"	SQ. YDS.	14
SODDING	SQ. YDS.	14
WEEP HOLES CORED	EACH	16

** FOR INFORMATION ONLY, COST INCLUDED IN DRILLING AND SETTING SOLDIER PILES.

DESIGN SPECIFICATIONS:

- 1996 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, INCLUDING 1997, 1998, 1999 & 2000 INTERIMS
- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LOADING:

EQUIVALENT FLUID LATERAL SOIL PRESSURE = 40 psf

DESIGN STRESSES:

f'c = 3500 psi
fy = 60,000 psi

REVISIONS	
NAME	DATE

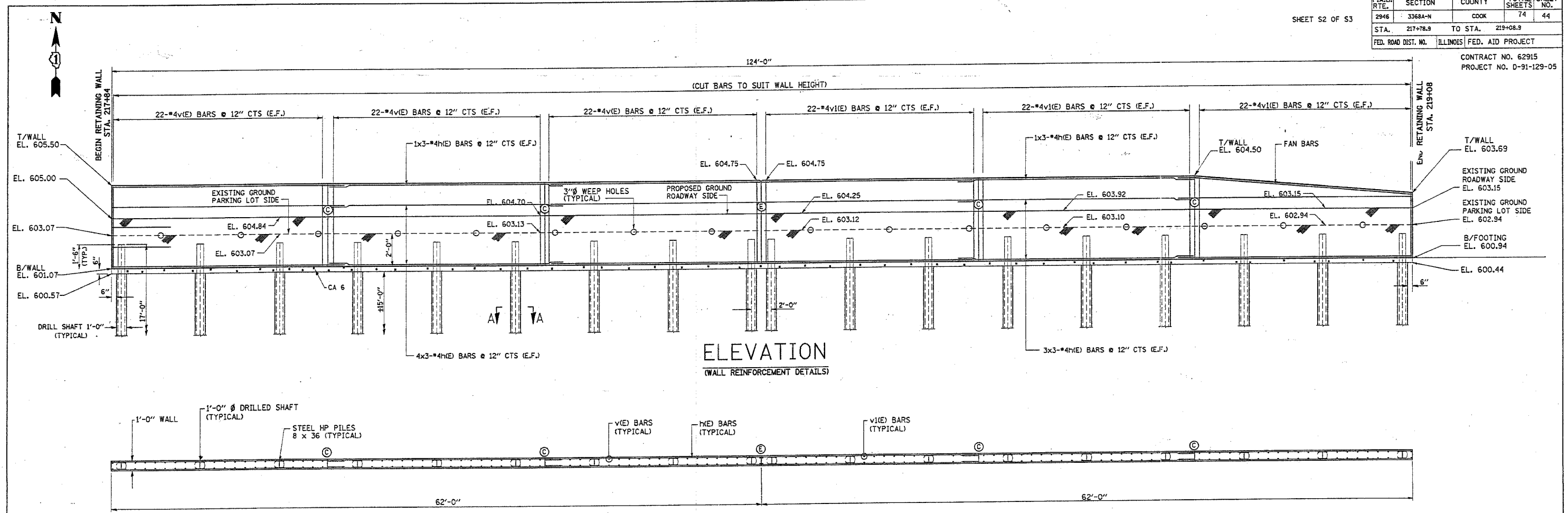
ILLINOIS DEPARTMENT OF TRANSPORTATION
**WENTWORTH AVENUE
 AT RIVER OAK DRIVE
 RETAINING WALL
 PLAN AND ELEVATION
 S.N. 016-W982**
 SCALE: VERT. DRAWN BY: MVT
 HORIZ. CHECKED BY: RSS
 DATE: JANUARY, 2007

1/24/2007
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 DISTRICT ONE - DESIGN
 PLAN PREPARATION ENGINEER JOSE A. DOMINGUEZ / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

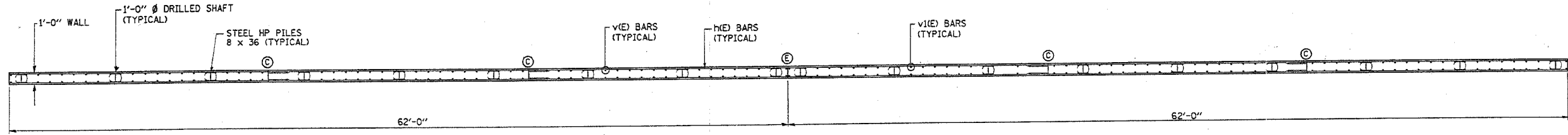
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368A-N	COOK	74	44
STA. 217+78.9	TO STA. 219+08.9			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET S2 OF S3

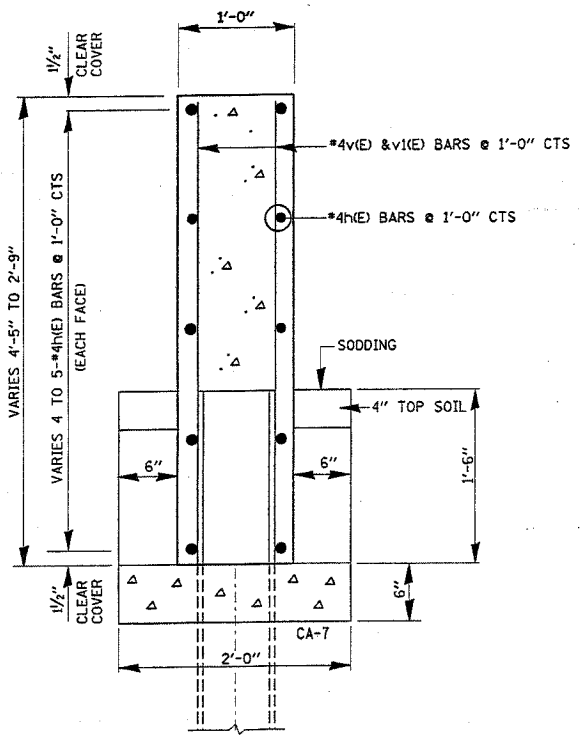
CONTRACT NO. 62915
PROJECT NO. D-91-129-05



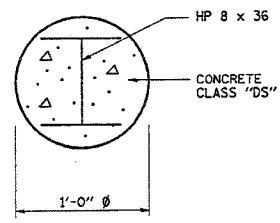
ELEVATION
(WALL REINFORCEMENT DETAILS)



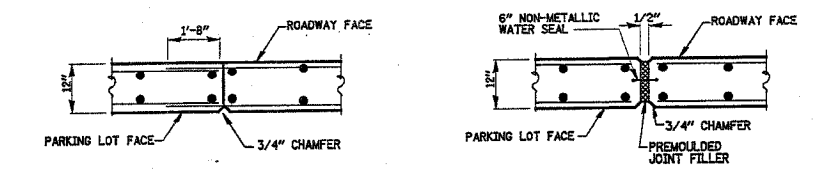
PLAN
(WALL REINFORCEMENT DETAILS)



TYPICAL DETAIL



SECTION A-A



RETAINING WALL JOINT DETAILS

LEGEND:
 (E) = EXPANSION JOINT
 (C) = CONSTRUCTION JOINT
 E.F. = EACH FACE
 EL. = ELEVATION

SIZE	LENGTH
#4	1'-8"

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	54	#4	21'-9"	—
v(E)	132	#4	4'-2"	—
v(E)	132	#4	3'-7"	—

NOTE:
 COST OF WEEP HOLES INCLUDED IN CONCRETE STRUCTURES
 BARS INDICATED 4x3 #4h @ 12" CTS INDICATED 4 LINES OF BARS WITH 3 LENGTHS PER LINE OF h BARS AT 12" O/C

NAME	DATE

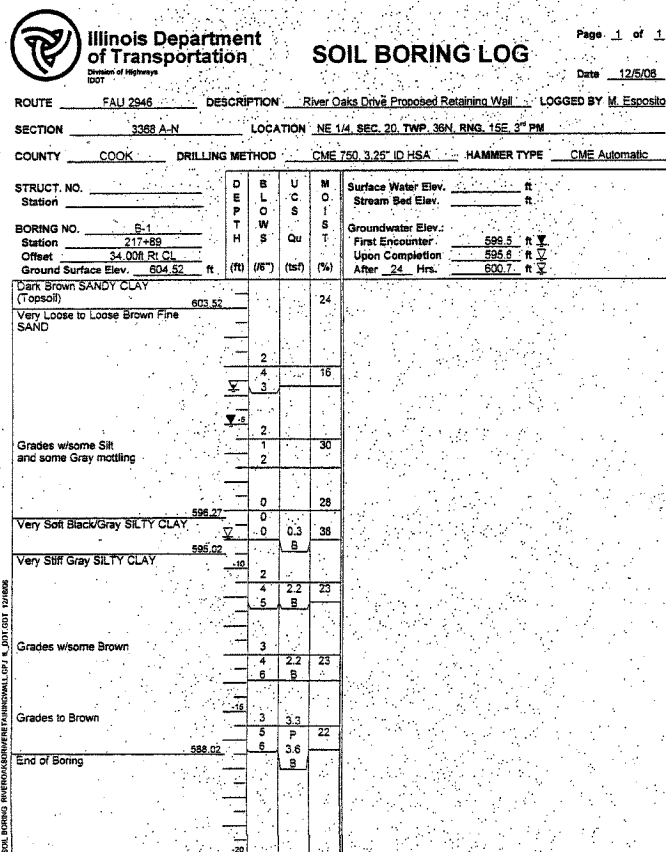
ILLINOIS DEPARTMENT OF TRANSPORTATION
 WENTWORTH AVENUE
 AT RIVER OAK DRIVE
 RETAINING WALL
 REINFORCEMENT DETAILS
 S.N. 016-W982
 SCALE: VERT. DRAWN BY: MVT
 HORIZ. CHECKED BY: RSS
 DATE: JANUARY, 2007

1/24/2007
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 DISTRICT ONE - DESIGN
 PLAN PREPARATION ENGINEER JOSE A. DOMINGUEZ / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINIAKOS (847) 705-4266

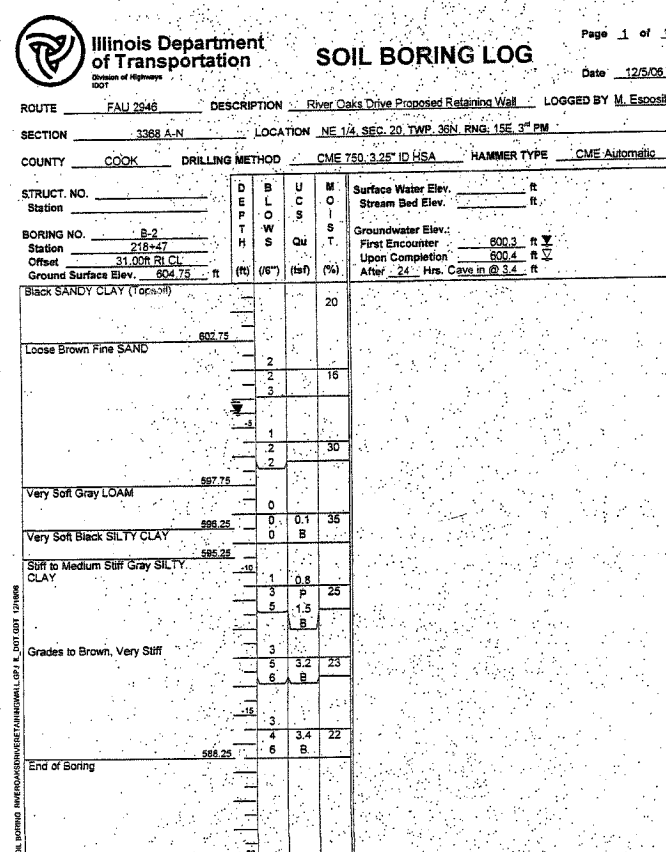
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	45
STA. 217+78.9		TO STA. 219+08.7		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHEET 53 OF 53

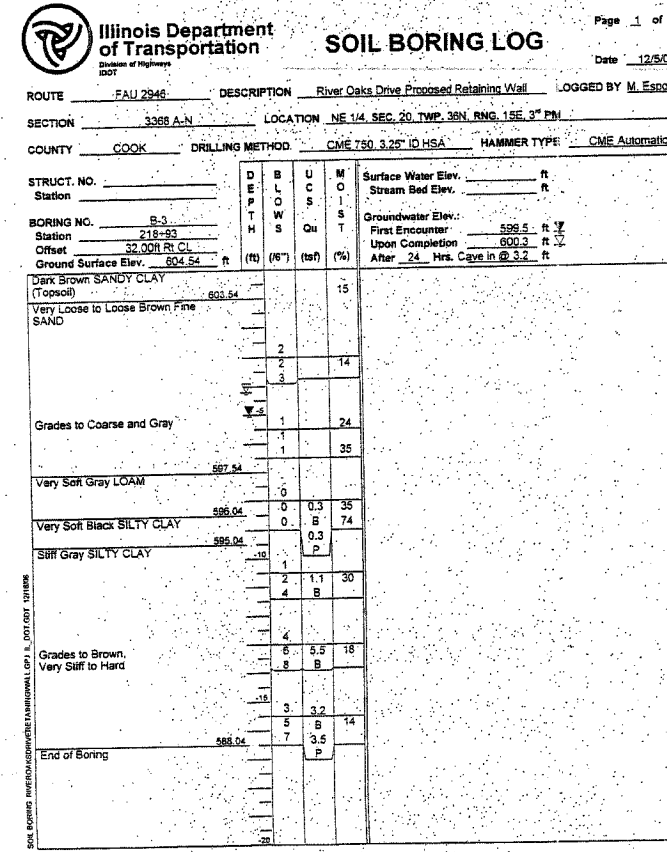
CONTRACT NO. 62915
PROJECT NO. D-91-129-05



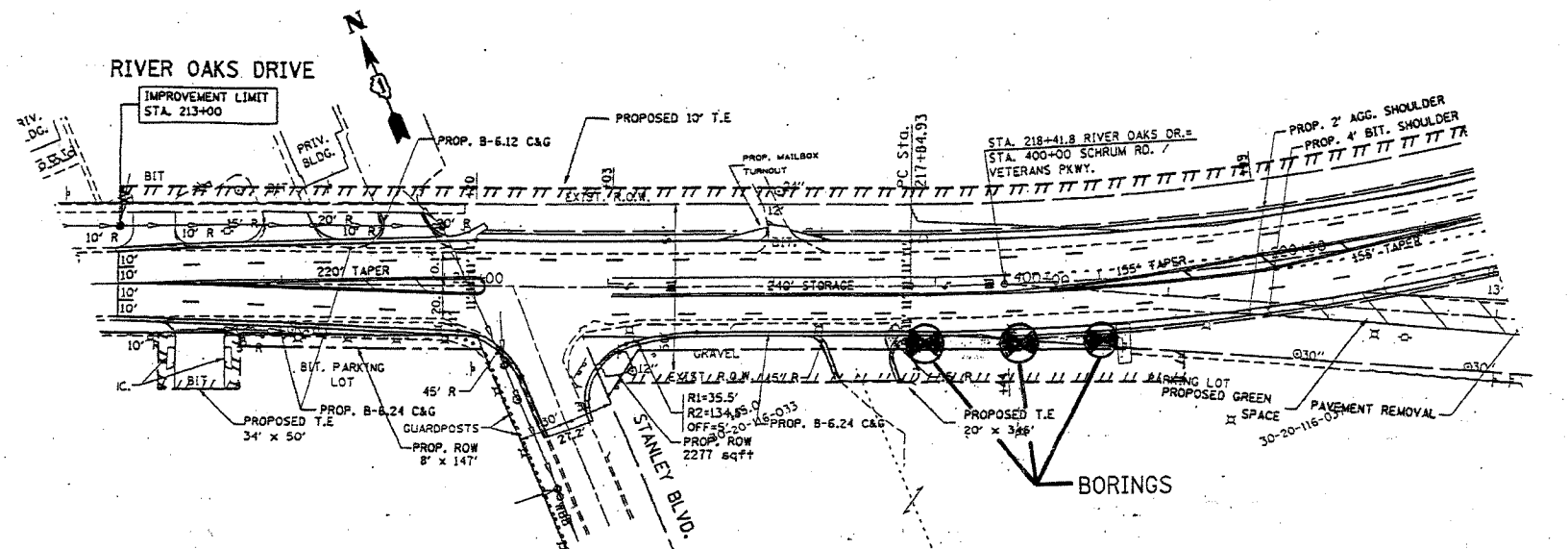
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)



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



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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

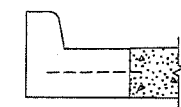
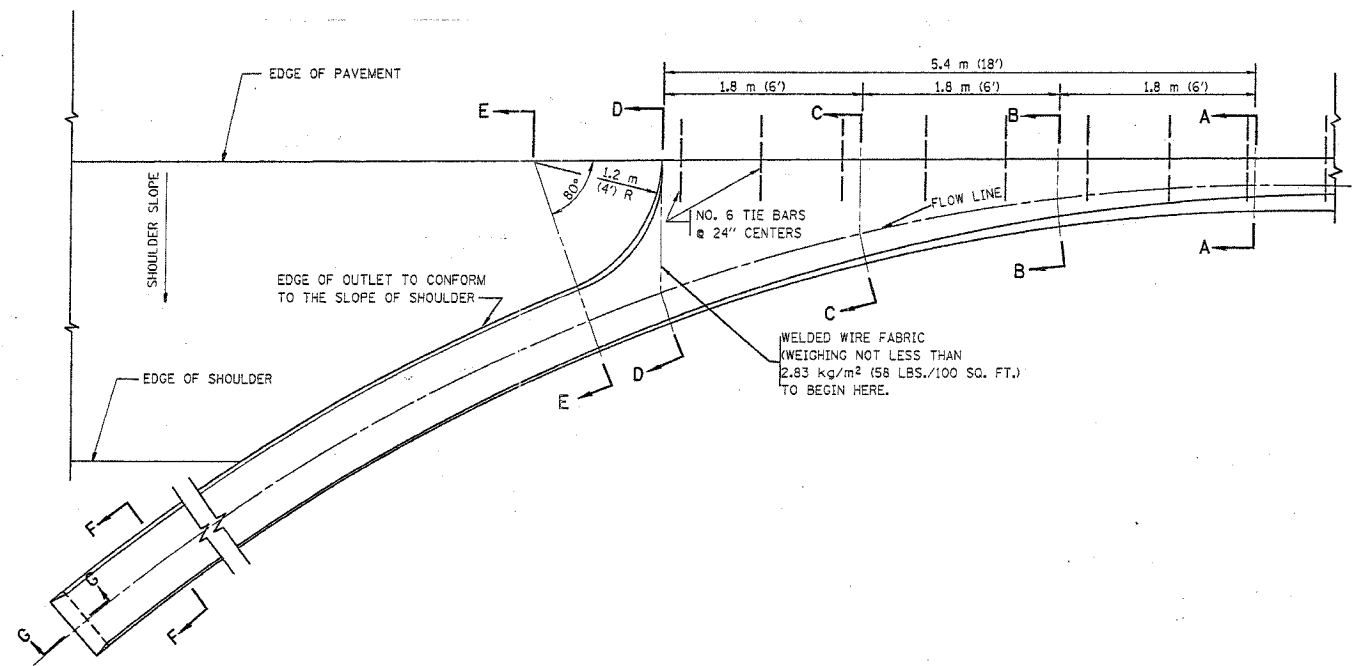
WENTWORTH AVENUE
AT RIVER OAK DRIVE
SOIL BORING
S.N. 016-W982

SCALE: VERT. _____
HORIZ. _____
DATE: JANUARY, 2007

DRAWN BY: MVT
CHECKED BY: RSS

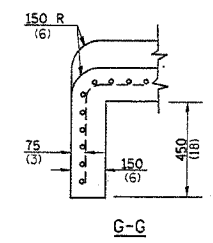
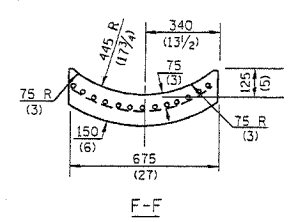
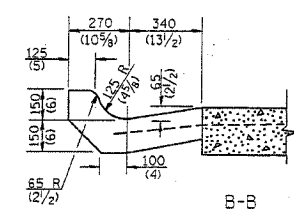
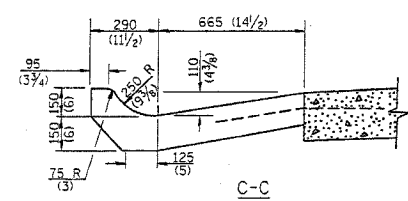
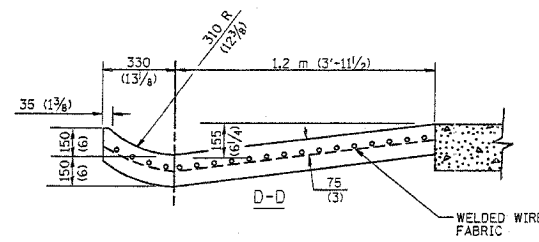
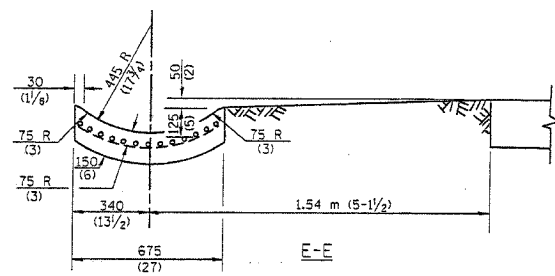
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 DISTRICT ONE - DESIGN
 PLAN PREPARATION ENGINEER JOSE A. DOMINGUEZ / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINAKOS (847) 705-4266

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-15.60 (B-6.24) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 600 (24) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 1.8 m (6') FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL= 0.96 m³ (1.25 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 225 (9) PAVT.
 0.97 m³ (1.27 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 250 (10) PAVT.
 FOR SECTION F-F= 0.03 m³ (0.045 CU. YDS.) CLASS SI CONCRETE PER m (ft.).

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

REVISIONS	
NAME	DATE
M. DE YONG	8/4/86
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	12/21/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

OUTLET FOR CONCRETE CURB AND GUTTER

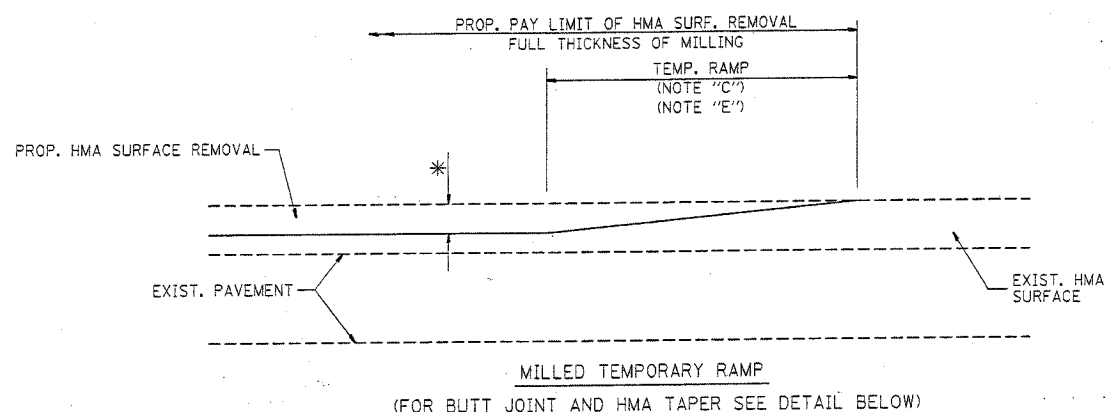
SCALE: VERT. DATE: 11/15/2006

DRAWN BY CHECKED BY

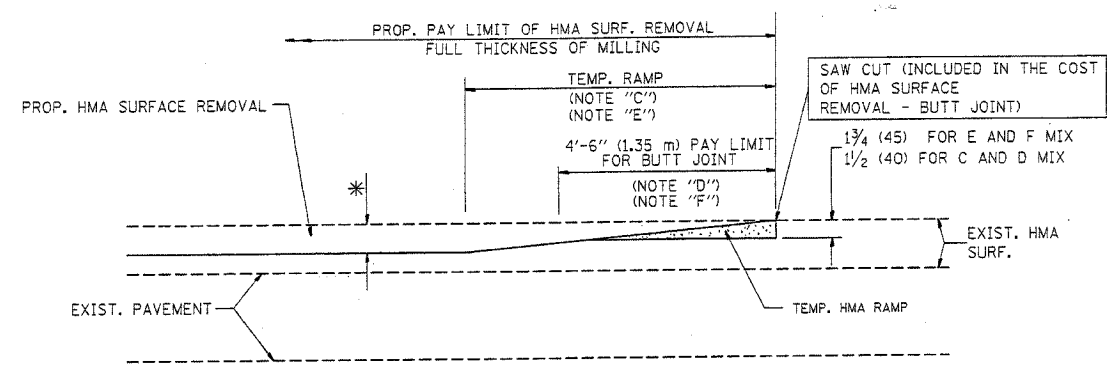
BD600-01 (BD-03) REVISION DATE: 12/21/00

PLOT DATE = 11/16/2006
 PLOT SCALE = 4000000
 USER NAME = ahrensab

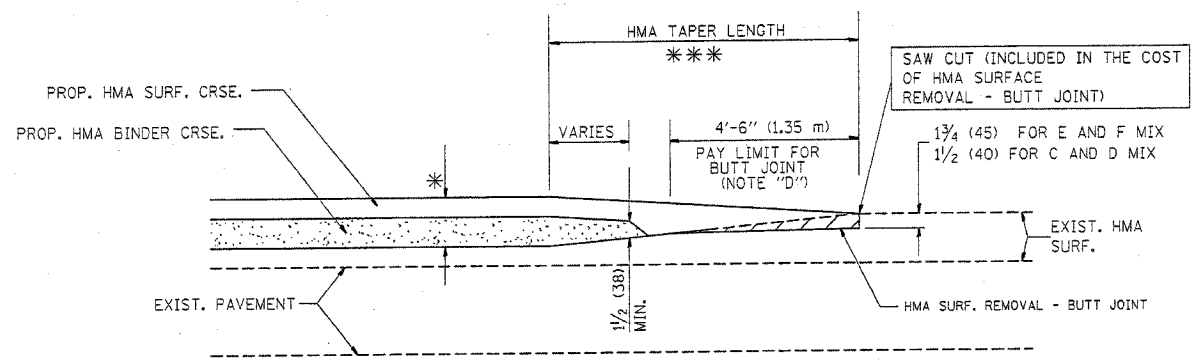
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	47
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



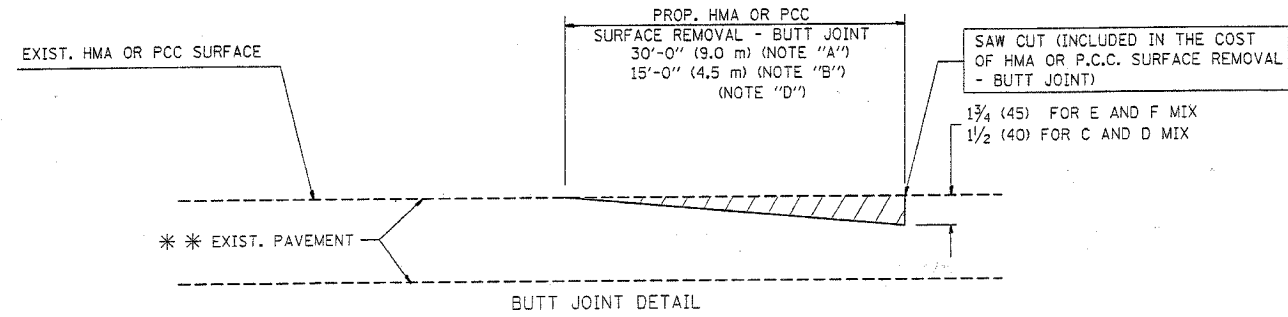
OPTION 1



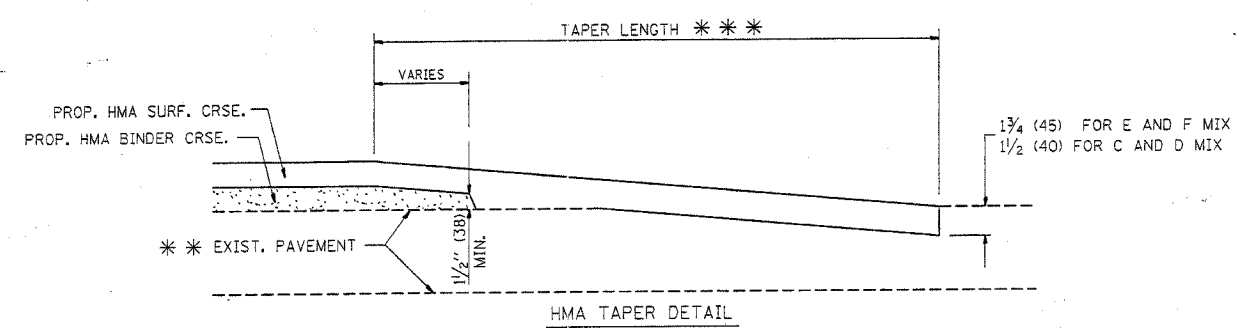
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

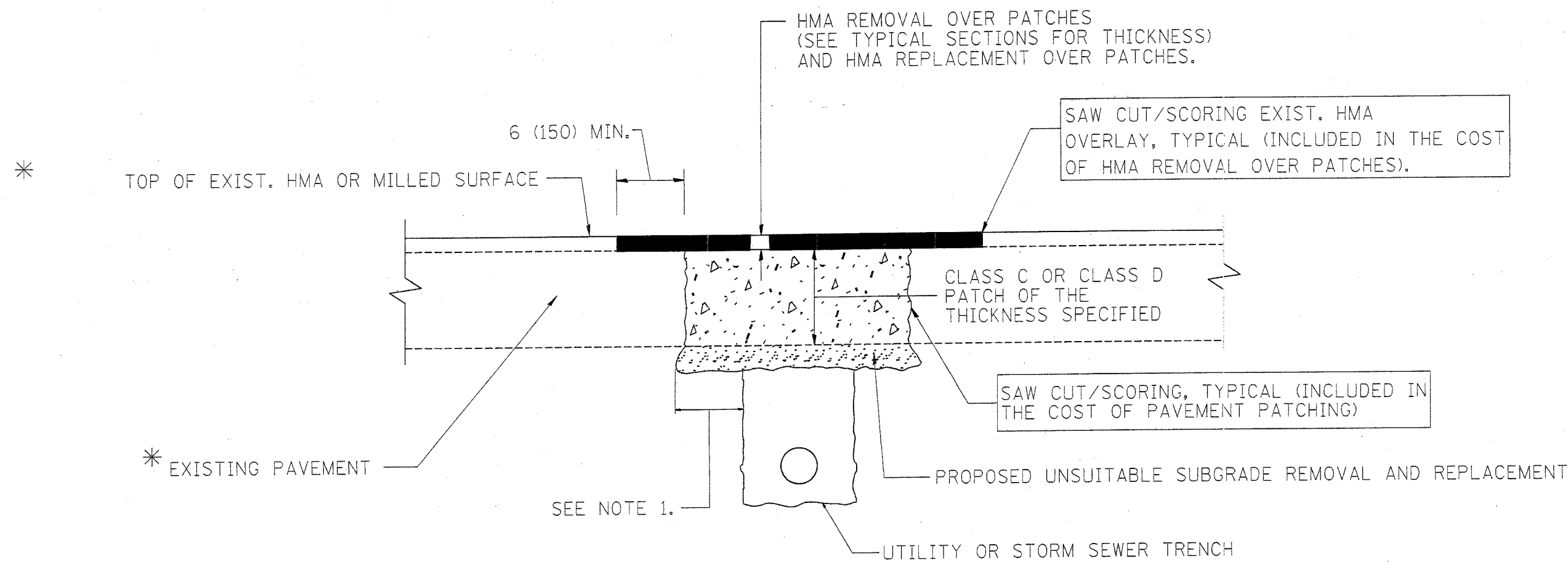
SCALE: VERT. NONE
HORIZ. 1"=20'

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

PLOT DATE = 11/16/2006
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 PLOT SCALE = 49.9999 / IN.
 USER NAME = shurenab

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	48
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

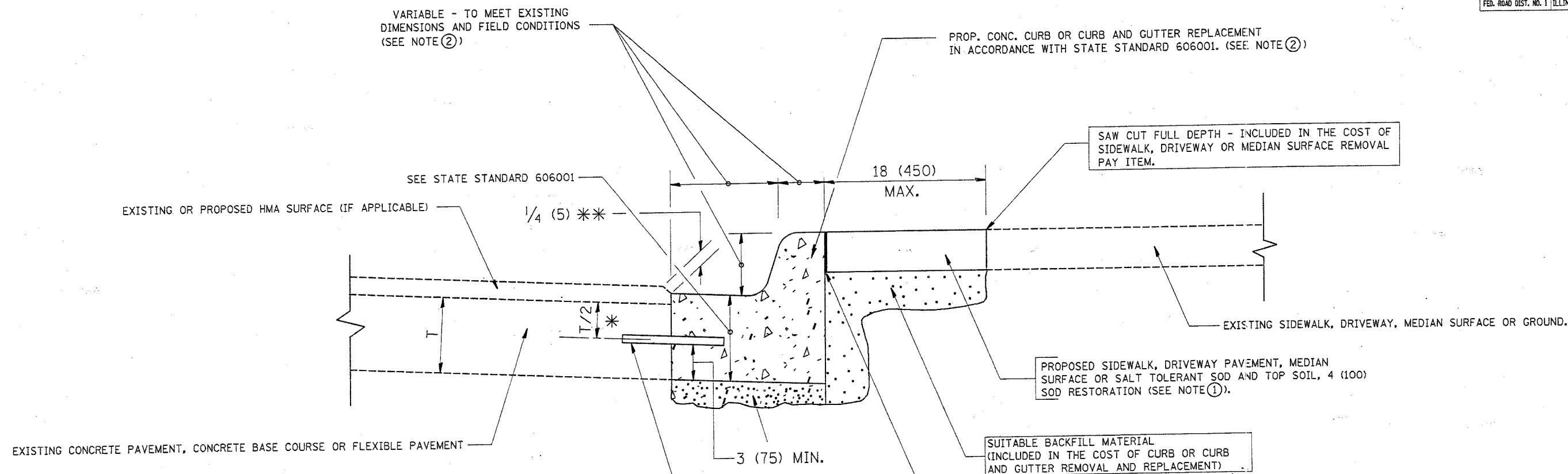
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE
PLOT DATE: 11/15/2006

DRAWN BY
CHECKED BY

BD400-04 (BD-22)
REVISION DATE: 01/01/07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	49
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- * 3 (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 4 (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
 - ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
 - ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
 - ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
 - ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4 (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4 (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24 (600) LONG AT 24 (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

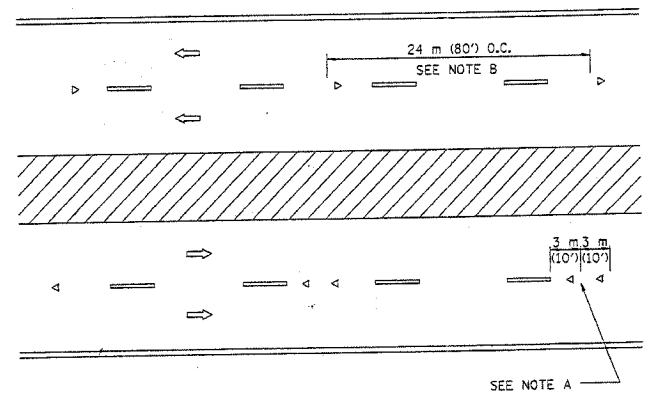
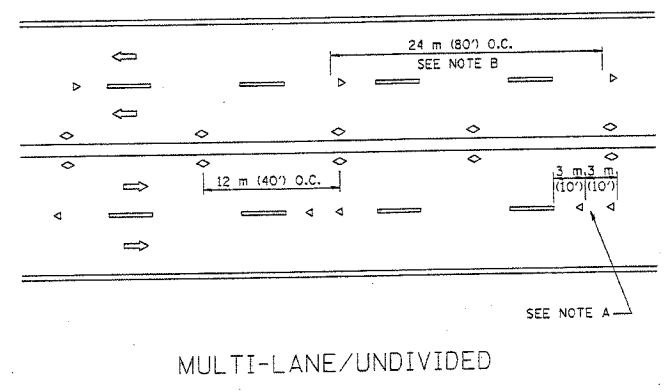
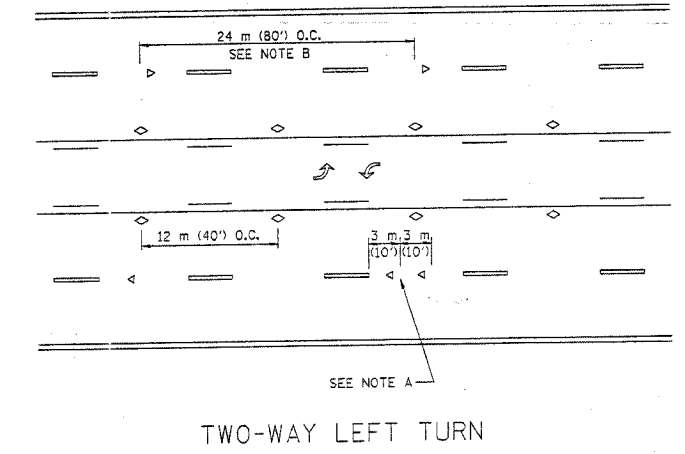
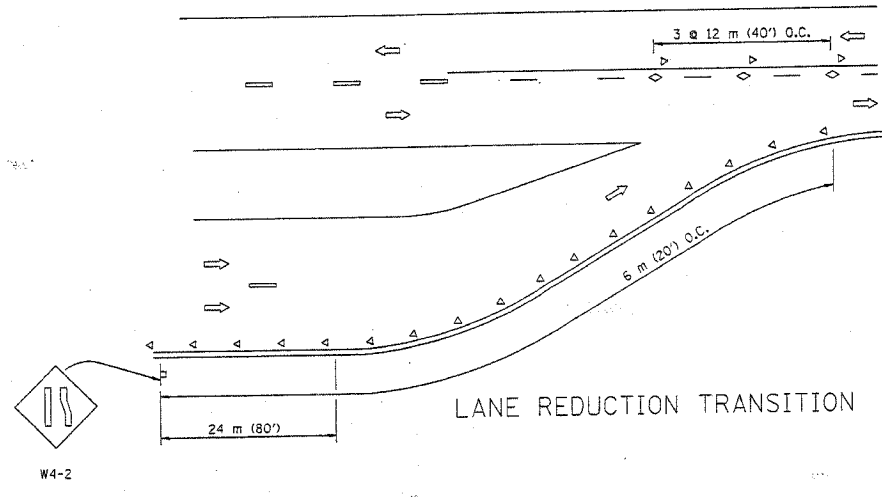
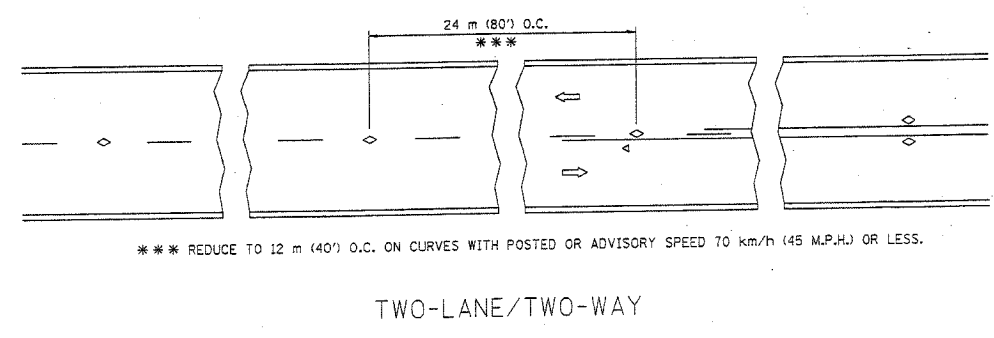
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. NONE
 HORIZ. 1" = 10'
 PLOT DATE: 11/15/2006

DRAWN BY
 CHECKED BY
 BD600-06 (BD-24)
 REVISION DATE: 01/01/07

PLOT DATE = 11/15/2006
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

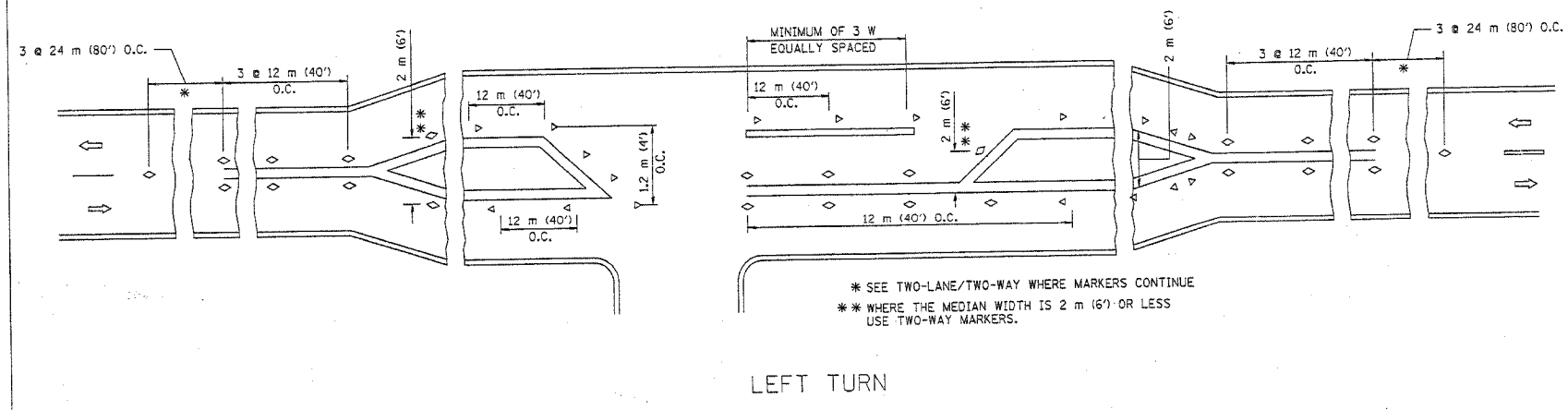
- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◊ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

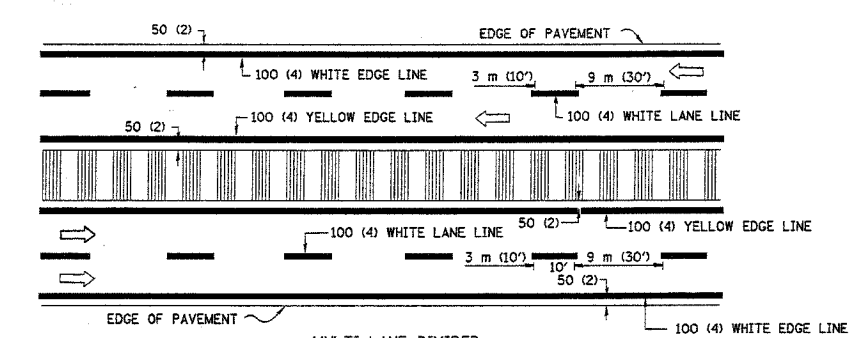
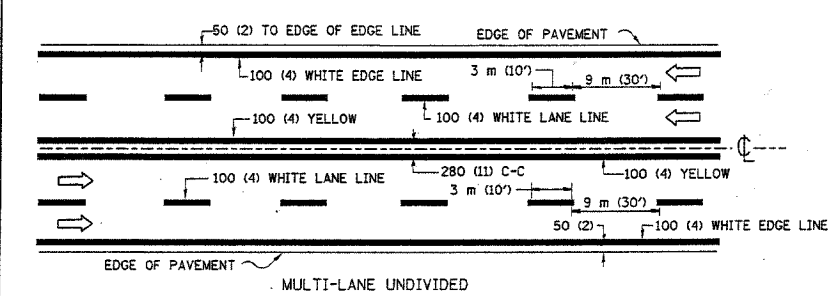
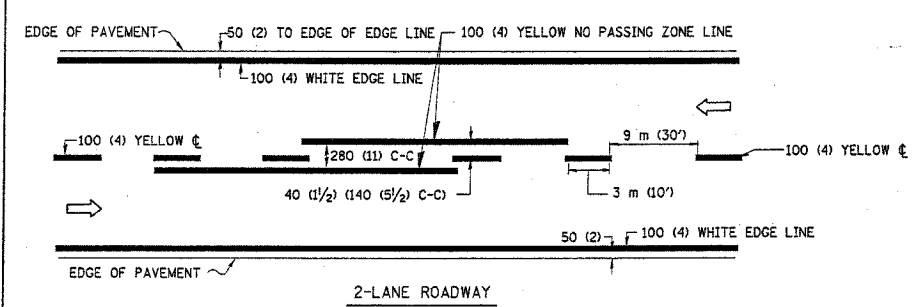
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DATE: 11/15/2006

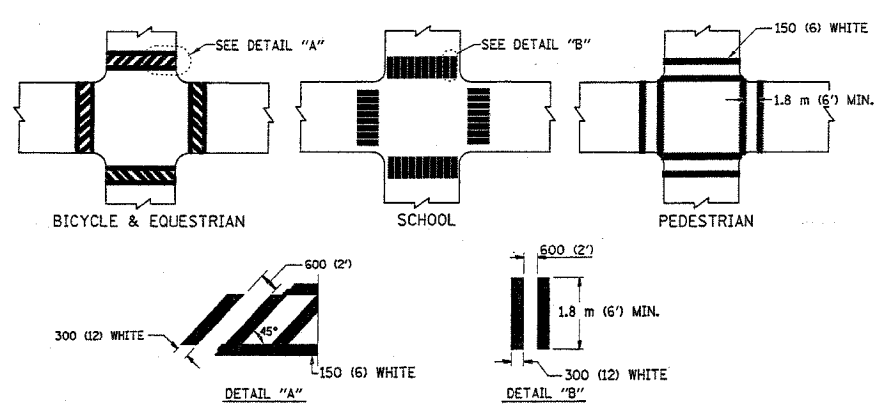
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REVISION DATE: 01/05/00

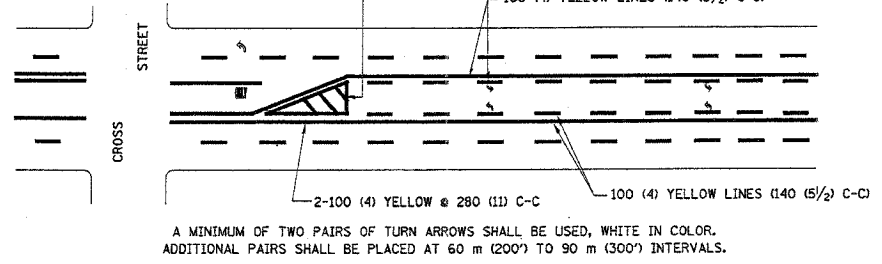
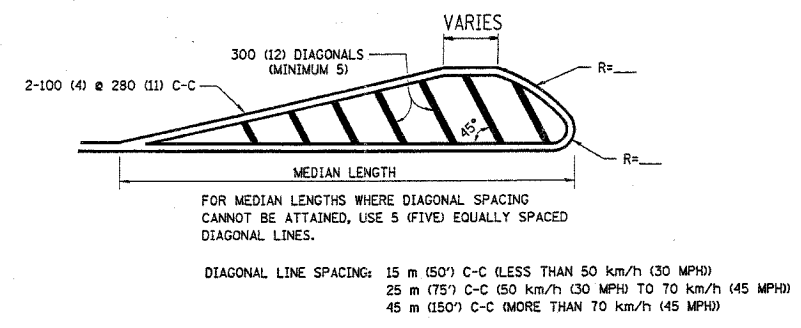
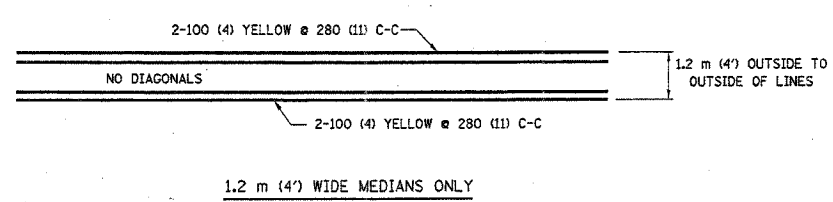
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 USER NAME = ahurona



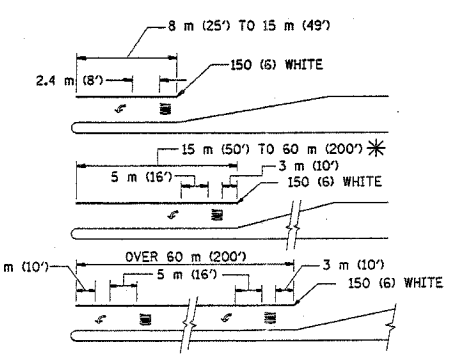
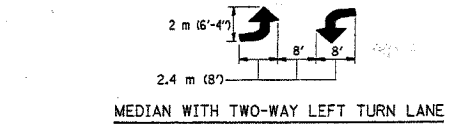
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

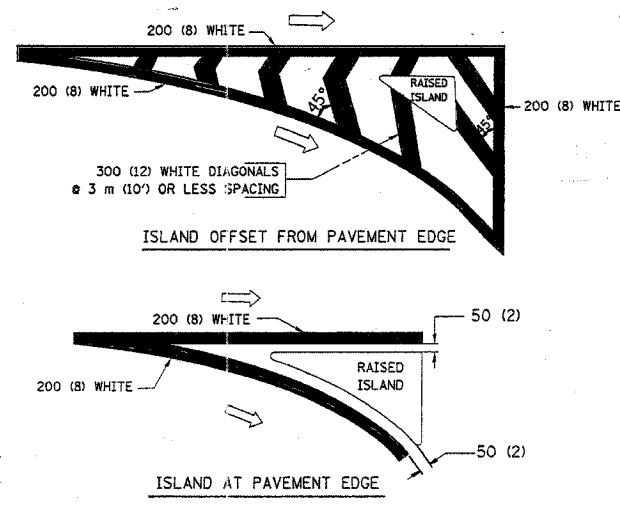


TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
 AREA = 1.5 m² (15.6 SQ. FT.) AREA = 1.9 m² (20.8 SQ. FT.)
 * TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE
 TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

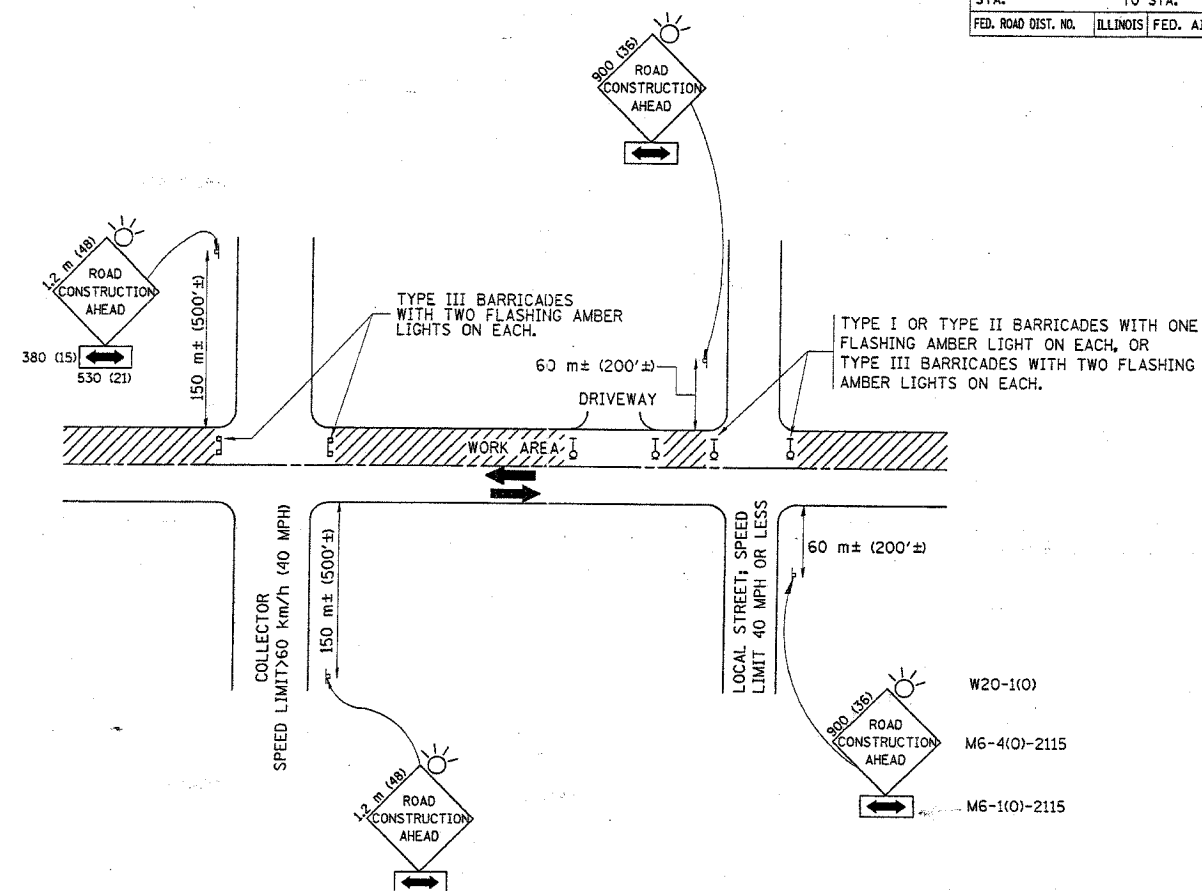
All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE
 DATE: 11/15/2006
 DRAWN BY CADD
 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	52
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

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

a) ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

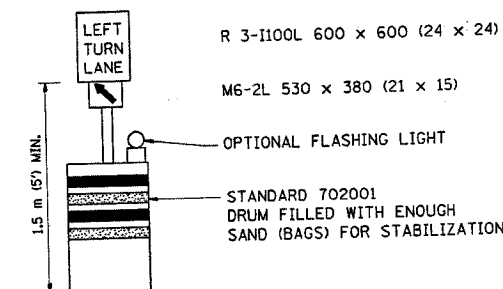
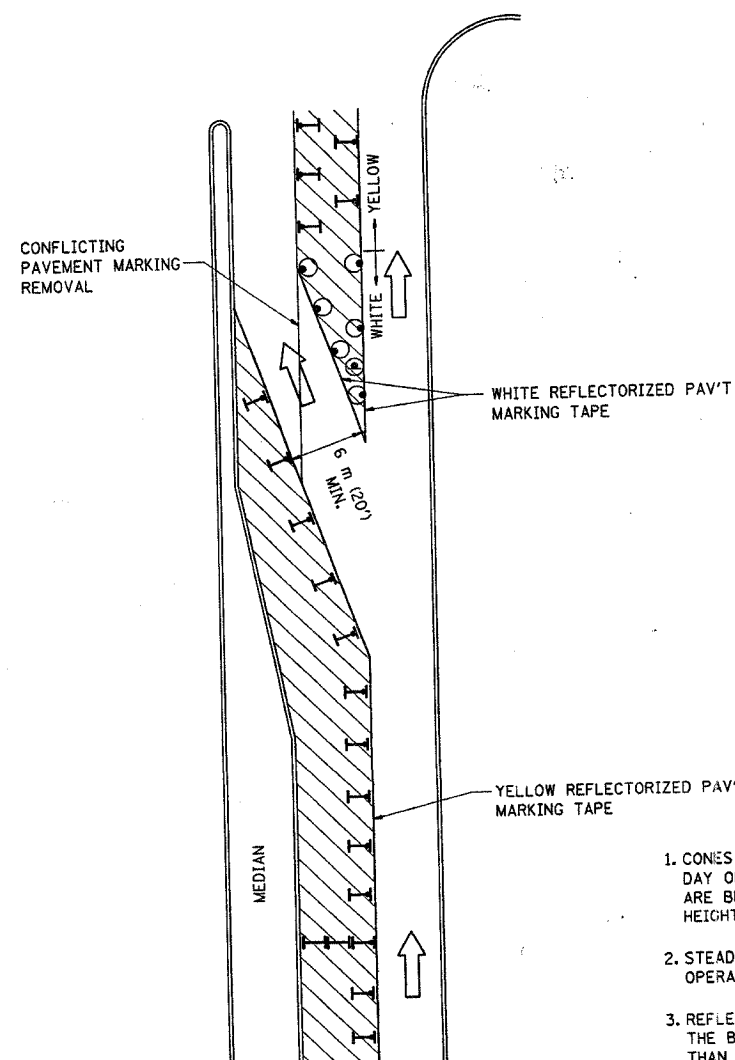
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE:
 DATE: 11/15/2006

DRAWN BY
 CHECKED BY

TC-10
 REVISION DATE: 01/06/00







F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	53
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

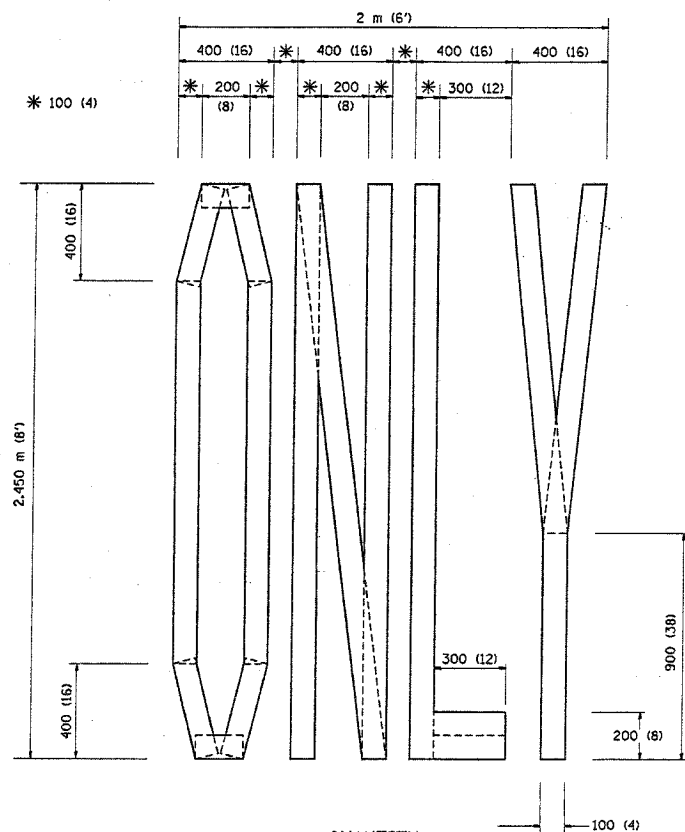
ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE
 DATE: 11/15/2006

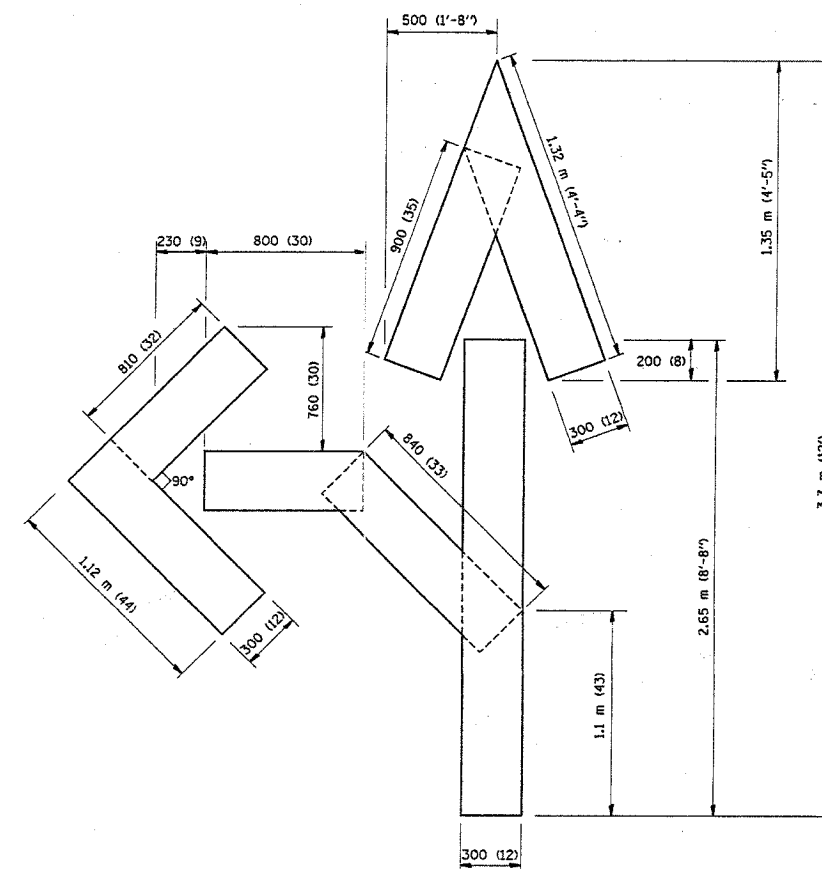
DRAWN BY
 CHECKED BY LHA

TC-14
 REVISION DATE: 01/06/00

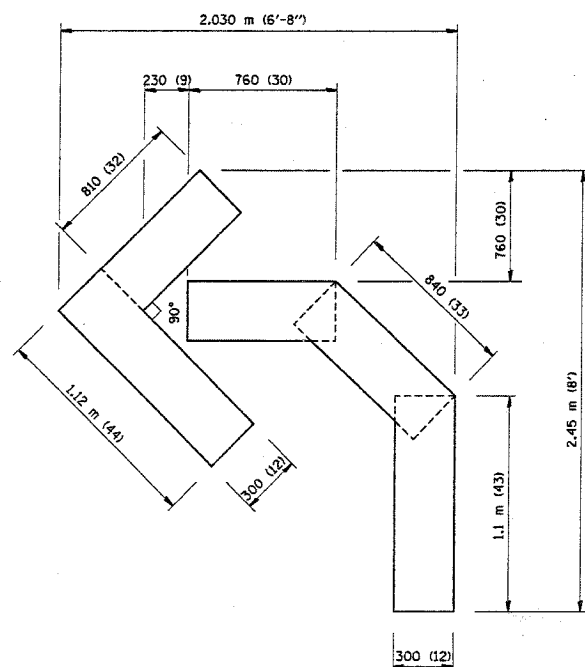
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



QUANTITY
 100 (4) LINE = 25.3 m (82.5 ft.)
 2.53 sq. m (27.5 sq. ft.)



QUANTITY
 100 (4) LINE = 13.9 m (45.5 ft.)
 1.39 sq. m (15.2 sq. ft.)

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

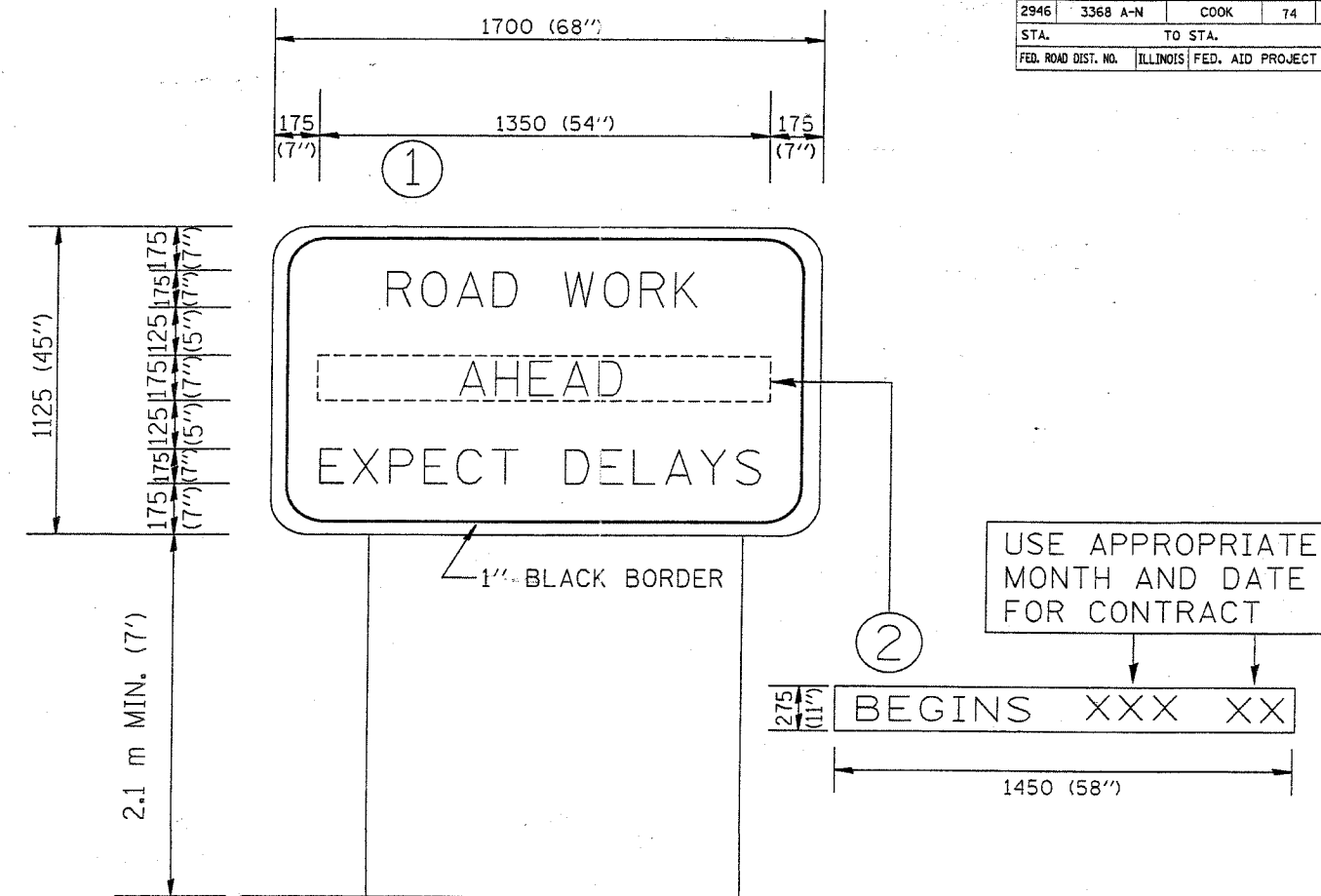
**PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

SCALE: NONE
 DATE: 11/15/2006

DRAWN BY CADD
 CHECKED BY
 TC-16

REVISION DATE: 08/28/00

CONTRACT NO. 62915				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	55
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
R. MIRS	9-15-97	TEMPORARY INFORMATION SIGNING
R. MIRS	12-11-97	
T. RAMMACHER	2-2-99	

SCALE:
DATE: 11/15/2006

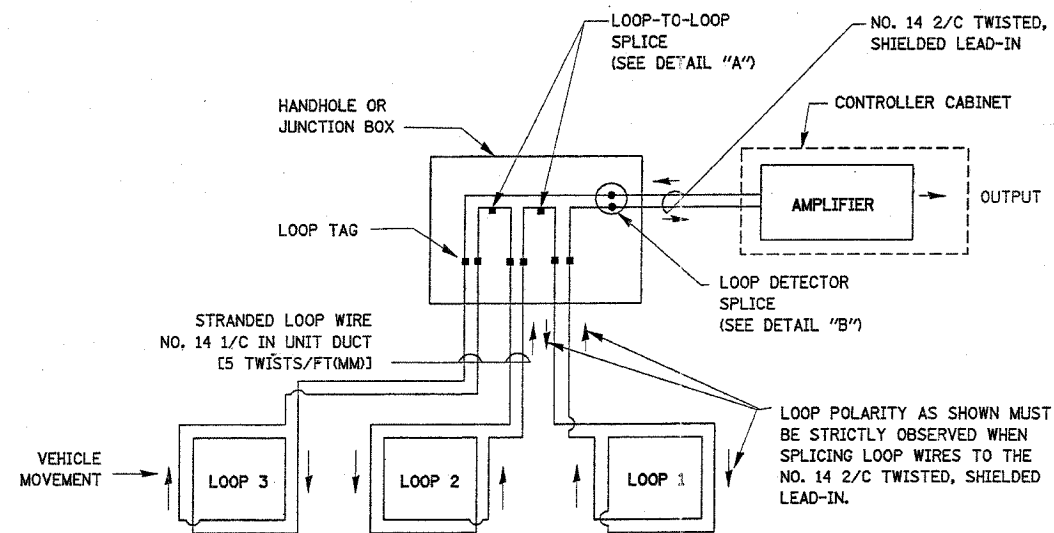
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CHECKED BY

TC22
REVISION DATE: 02/02/99

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOOP DETECTOR NOTES

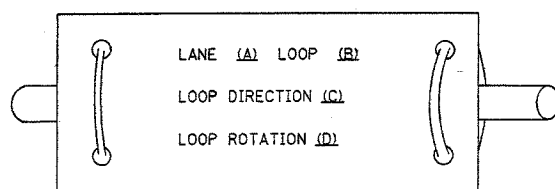
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



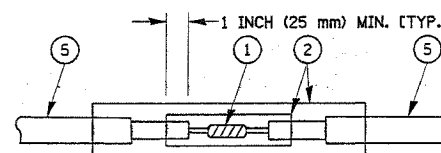
DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

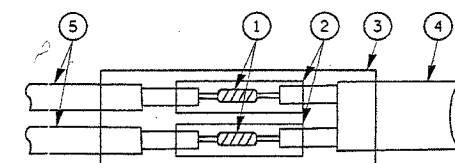
LOOP LEAD-IN CABLE TAG



- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS**

SCALE: NONE
DATE: 11/16/2006

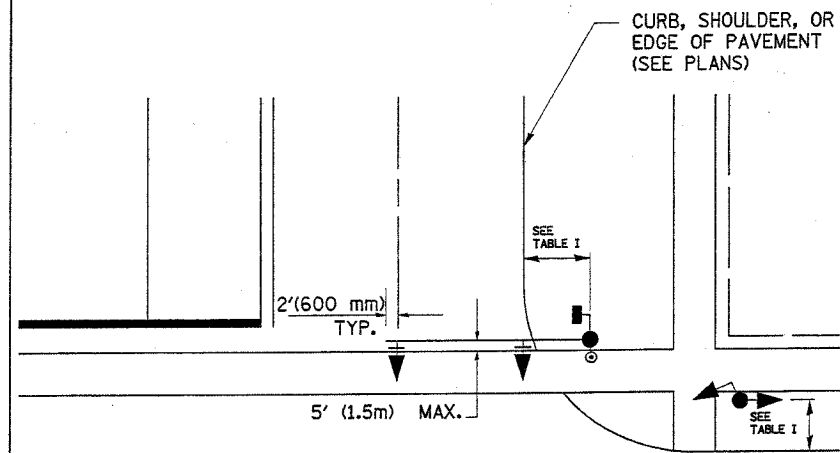
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

TS05
REVISION DATE: 01/01/02

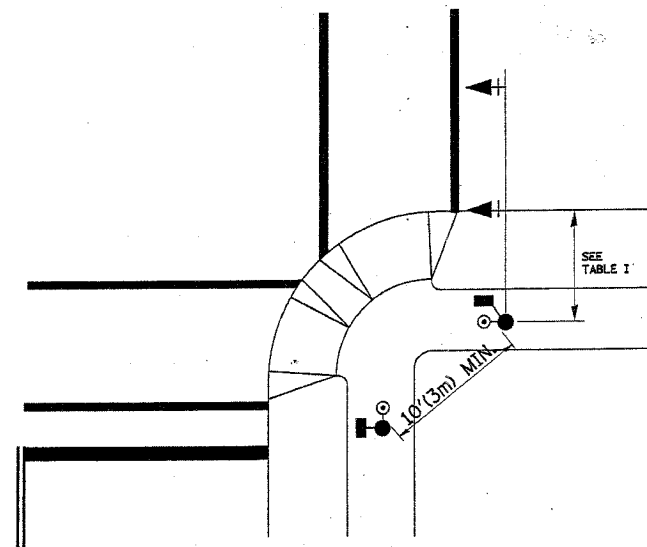
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

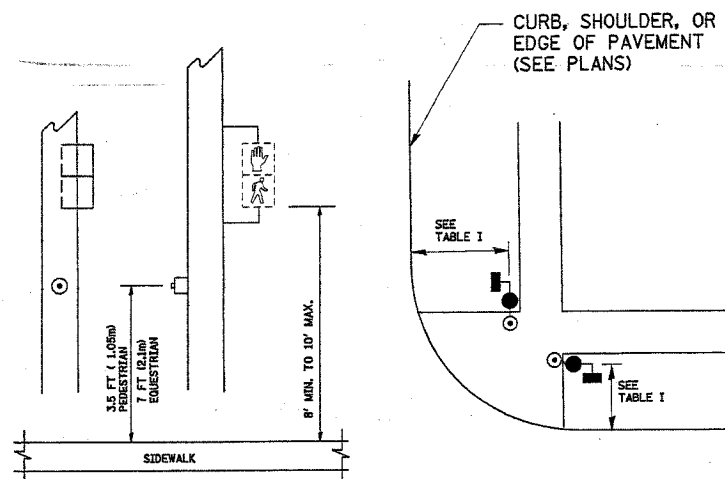


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: NONE
 DATE: 11/16/2006

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 2 OF 4

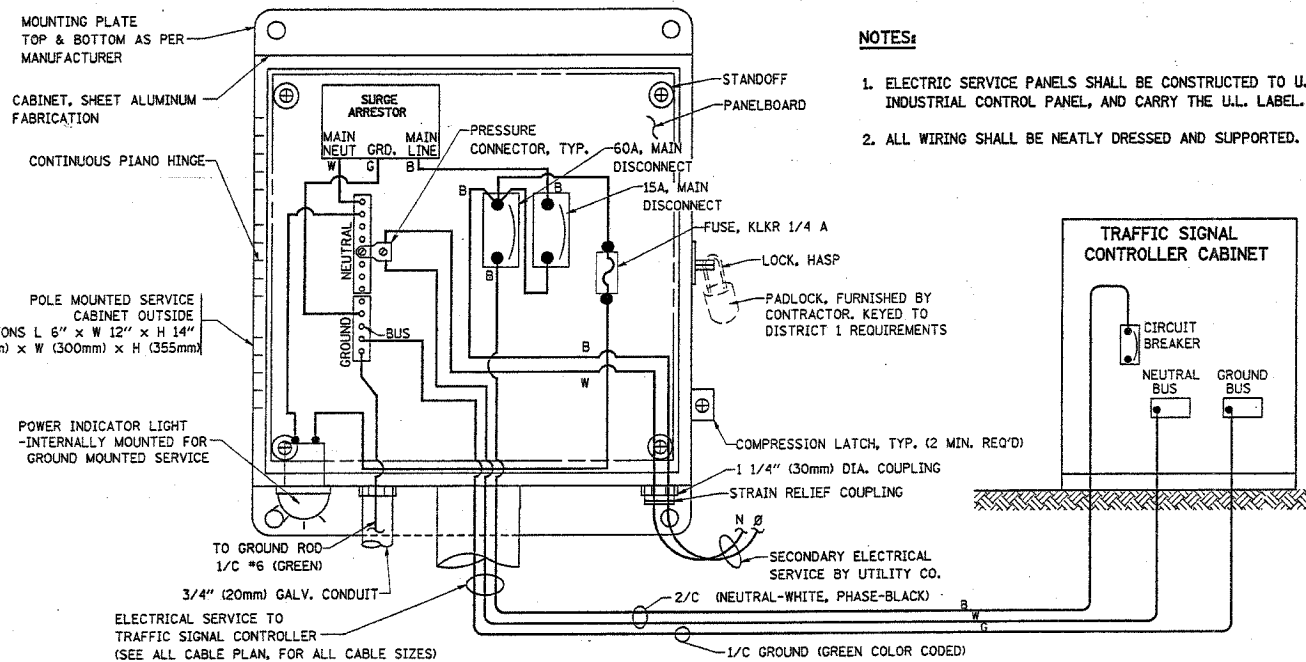
TS05
 REVISION DATE: 01/01/02

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

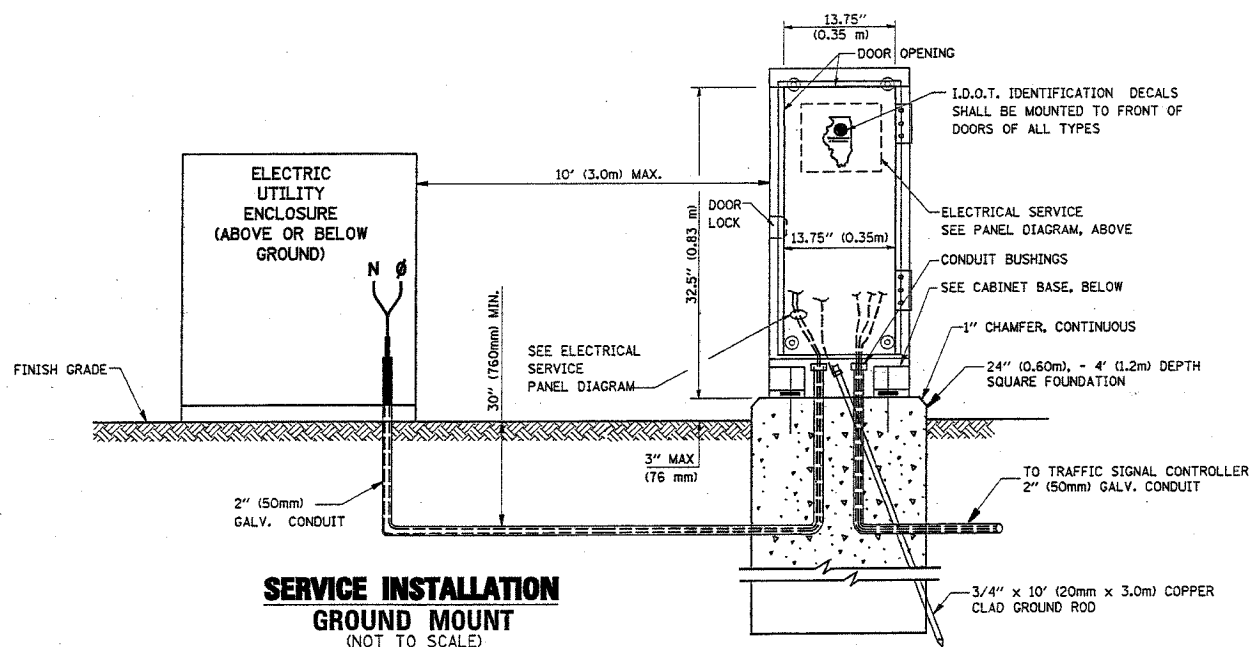
NOTES:

GROUNDING SYSTEM

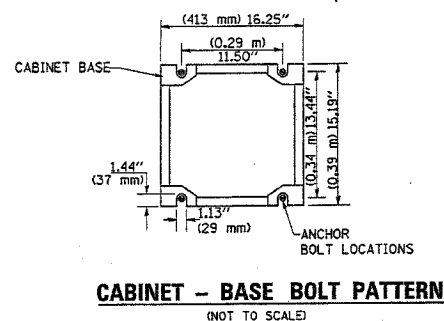
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



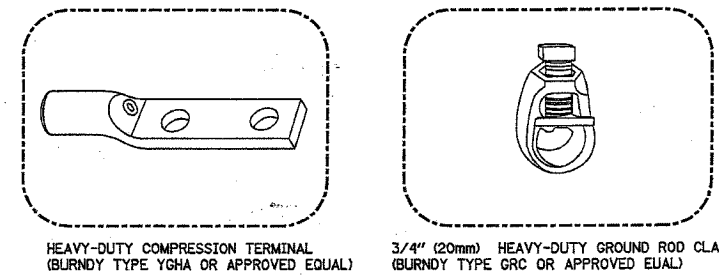
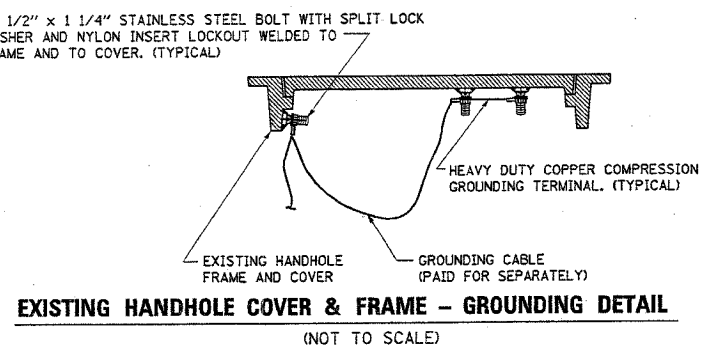
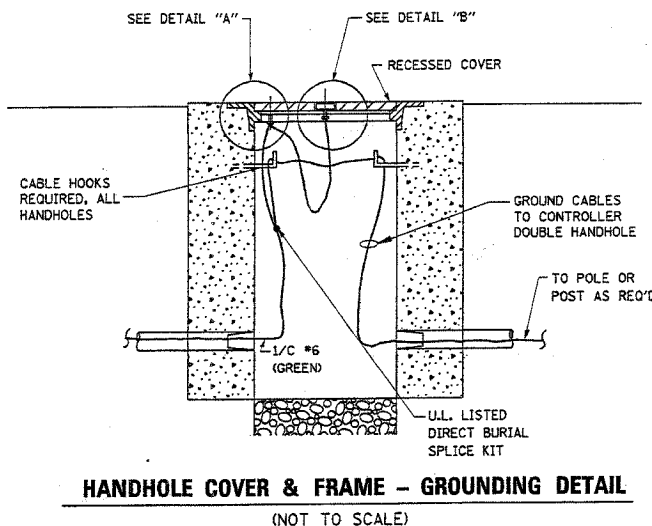
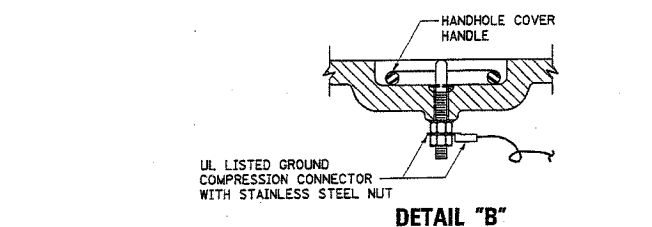
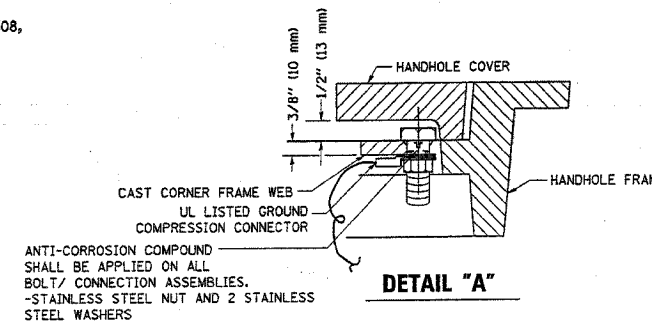
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

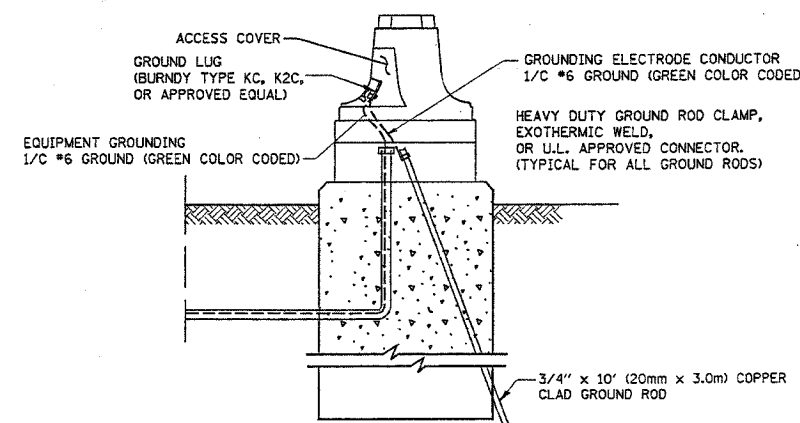


CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
- 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
- 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
- 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

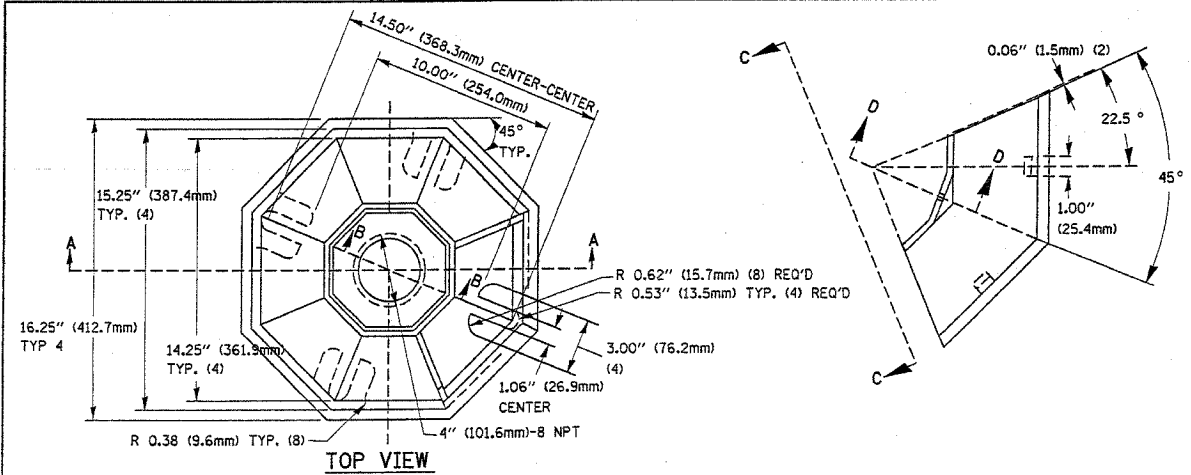
SCALE: NONE
 DATE: 11/16/2006

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

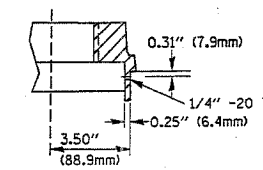
TS05

REVISION DATE: 01/01/02

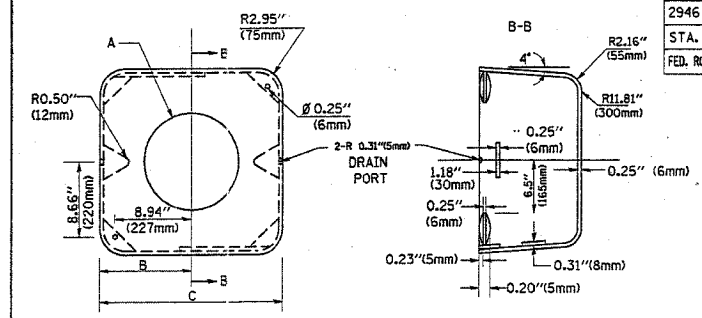
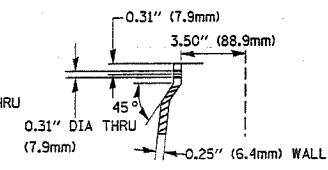
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SECTION B-B



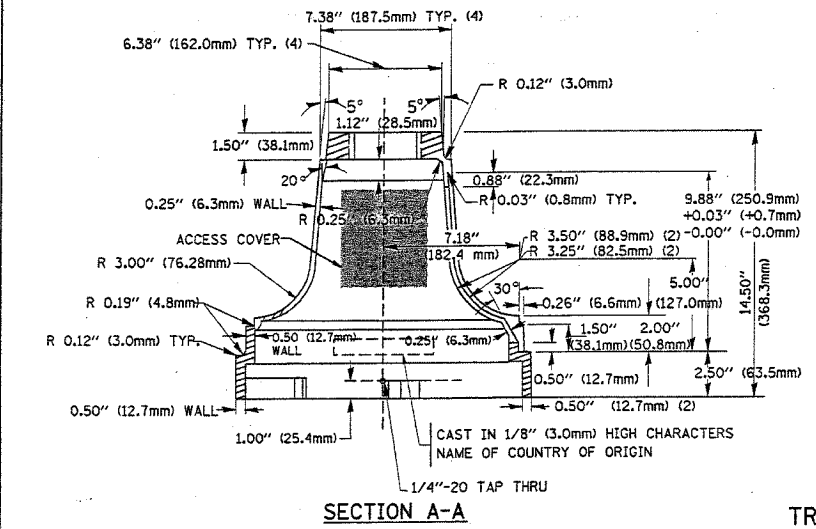
SECTION D-D



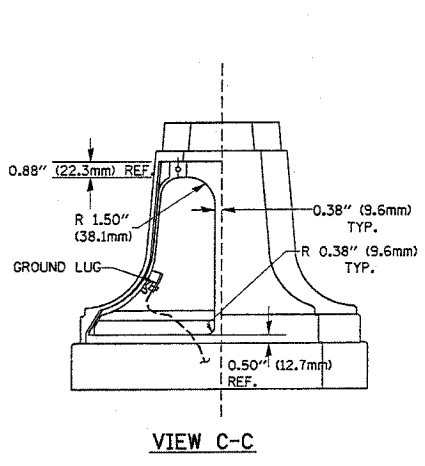
TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125\" (257mm)	9.5\" (241mm)	19\" (483mm)	12\" (300mm)	24kg
II	Ø 11.125\" (283mm)	10.75\" (273mm)	21.5\" (546mm)	12\" (300mm)	26kg

SHROUD DETAIL

MATERIAL:
 - ASTM A48 CLASS 30 GREY IRON
 - ASTM A123 HOT DIPPED GALVANIZED

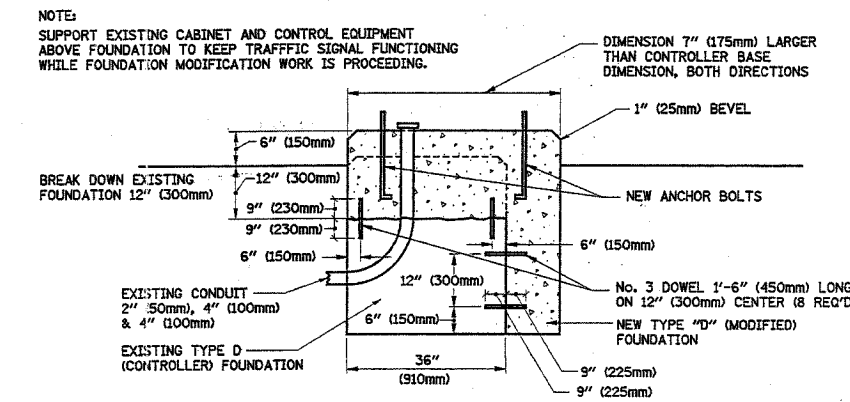
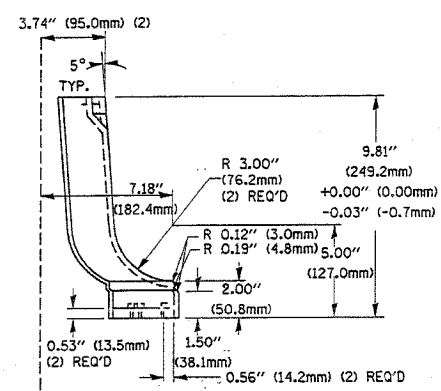


SECTION A-A



VIEW C-C

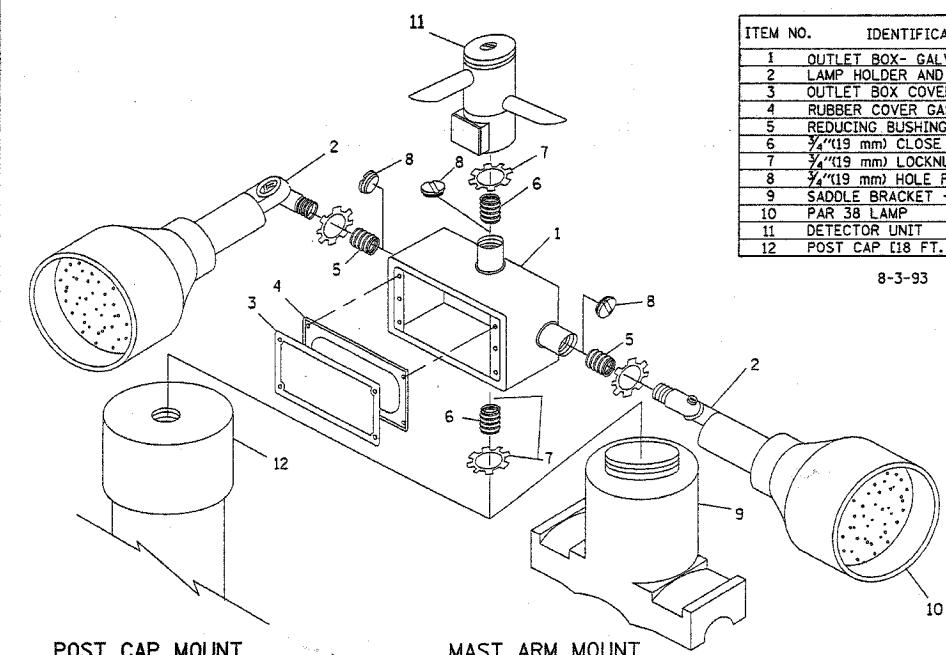
TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)

NOTE:
 SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



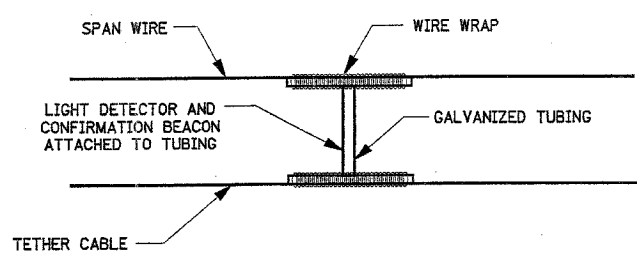
POST CAP MOUNT
 MAST ARM MOUNT
 EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CLIN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\" (19 mm) CLOSE NIPPLE
7	3/4\" (19 mm) LOCKNUT
8	3/4\" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

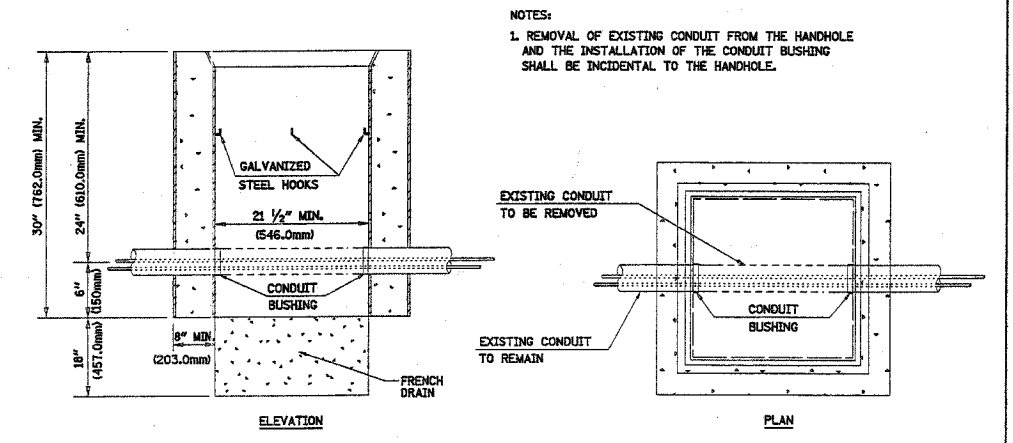
8-3-93

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS
 (NOT TO SCALE)



DETAIL
 HANDHOLE TO INTERCEPT EXISTING CONDUIT
 N.T.S.

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: NONE
 DATE: 11/16/2006

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 4 OF 4

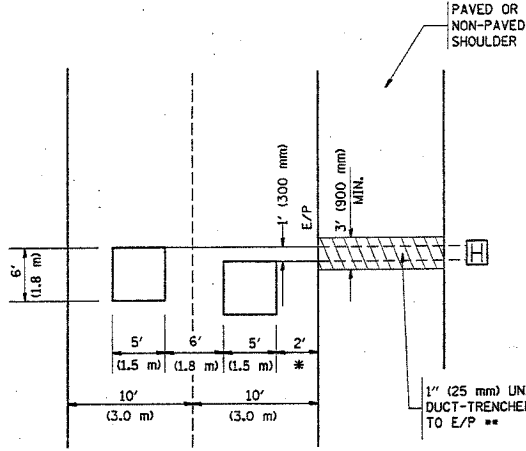
TS05
 REVISION DATE: 01/01/02

PLOT DATE = 11/16/2006
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 PLOT SCALE = 1:1
 USER NAME = shurenab

CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	60
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

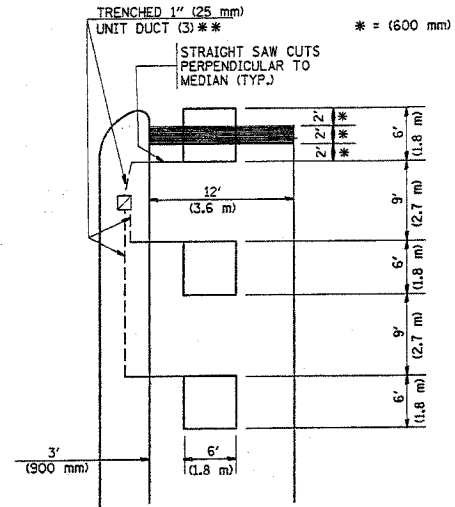


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

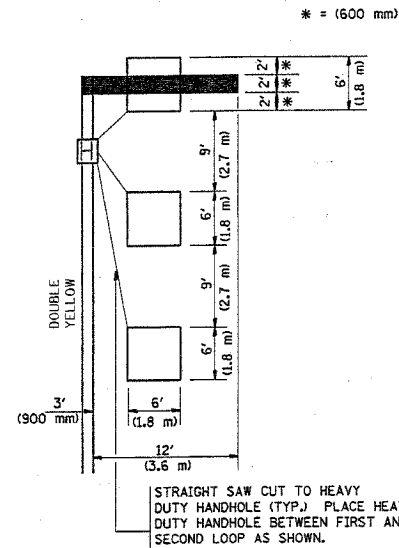
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

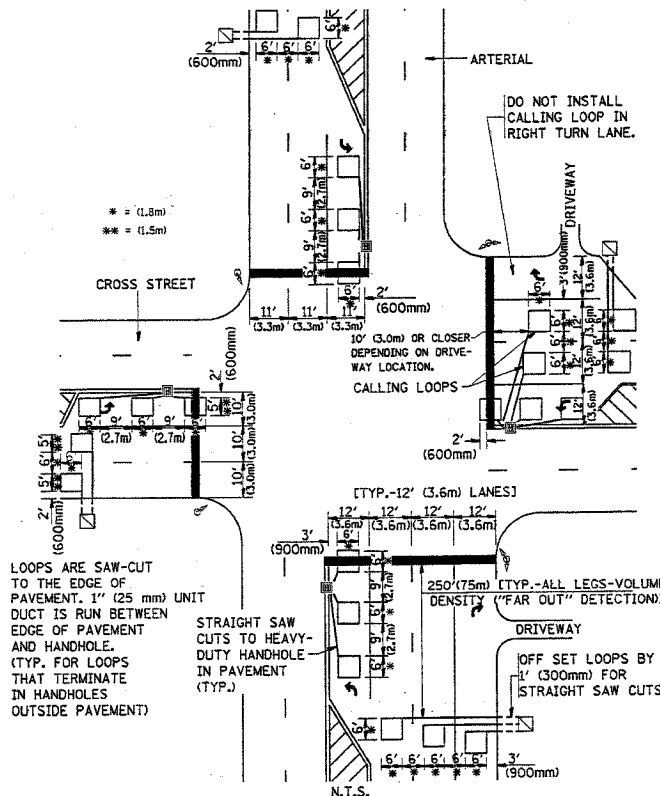
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



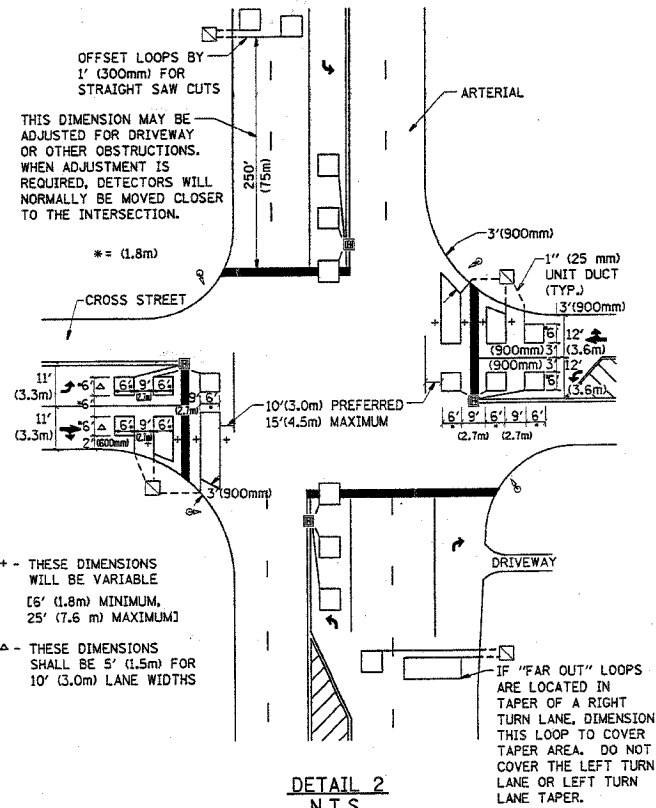
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

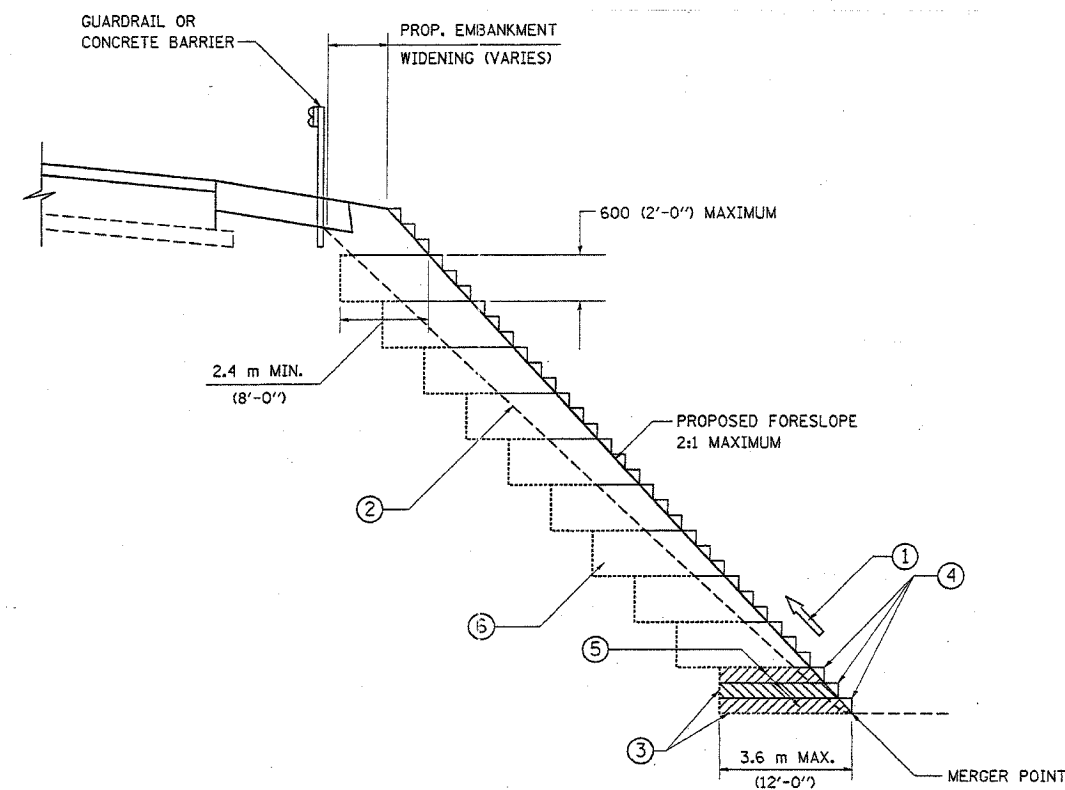
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT 1
DETECTOR LOOP
INSTALLATION DETAILS
FOR ROADWAY RESURFACING**

DESIGNED BY
DRAWN BY CADD
CHECKED BY R.K.F.
TS07
REVISION DATE:

PLOT DATE = 11/16/2006
FILE NAME = \\saints\F\Users\shreemah\Desktop\4497.dgn
PLOT SCALE = 45,9999 / 1in.
USER NAME = shreemah

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

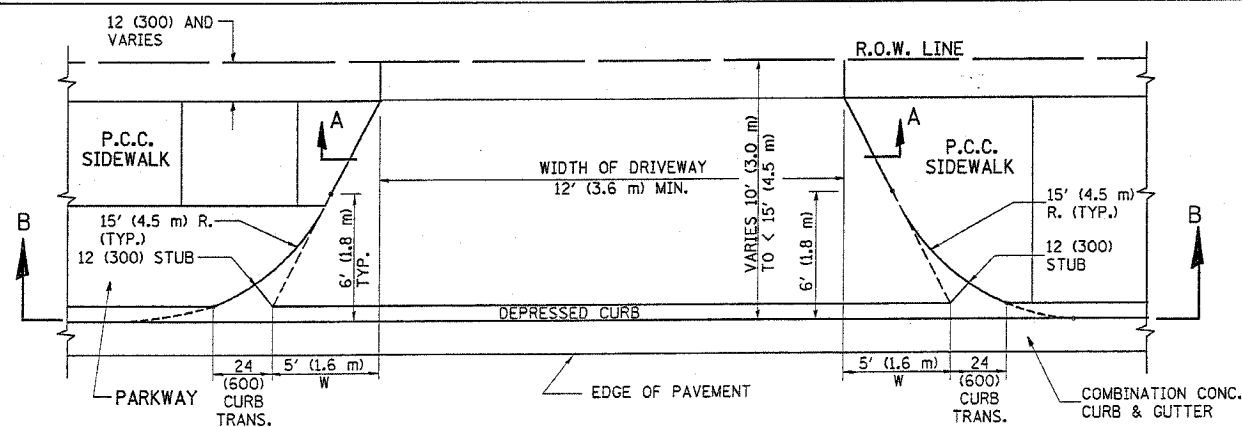
**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

SCALE: VERT.
HORIZ.
DATE: 11/15/2006

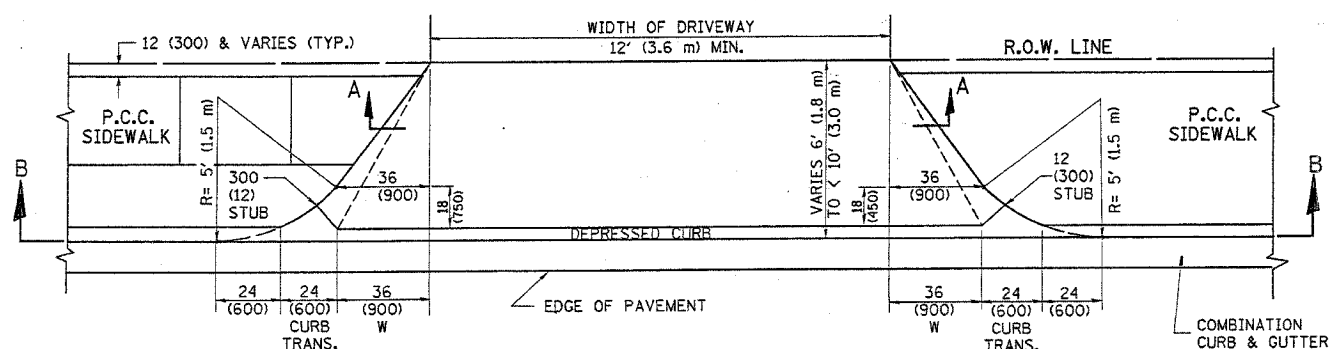
DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

REVISION DATE: 6-16-2004

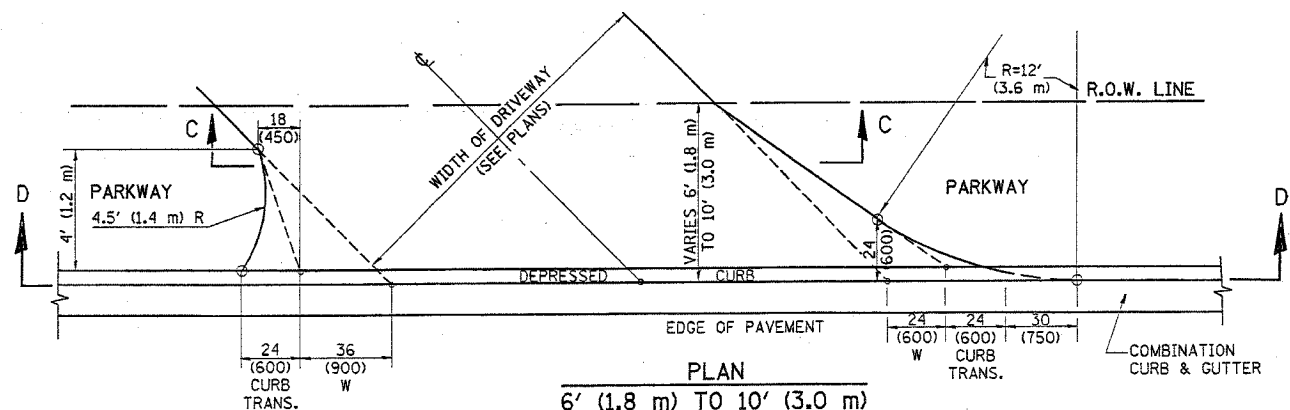
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	62
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



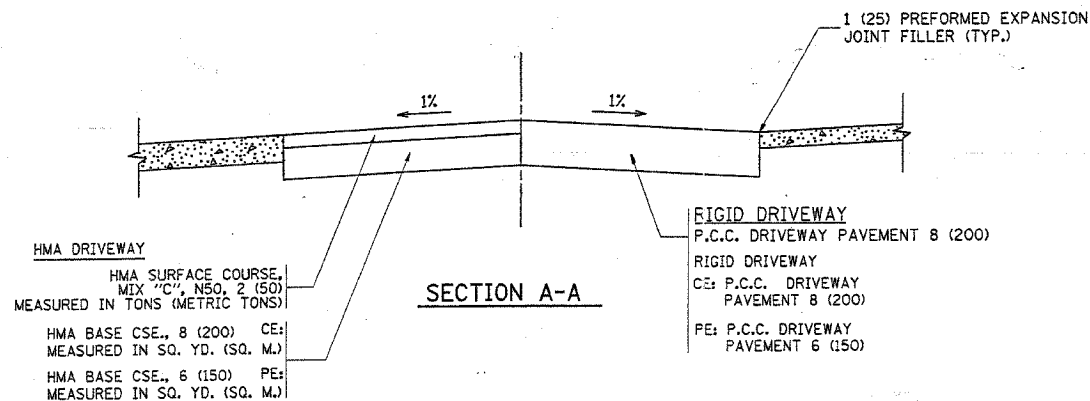
PLAN
10' (3.0 m) TO < 15' (4.5 m)



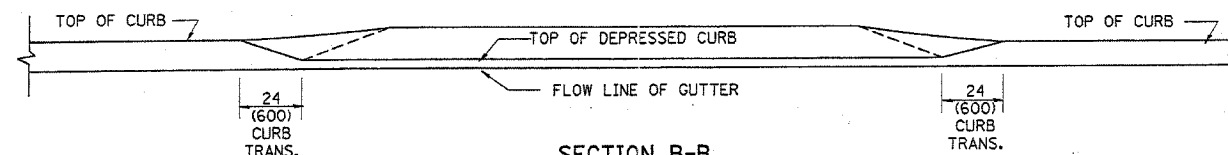
PLAN
6' (1.8 m) TO < 10' (3.0 m)



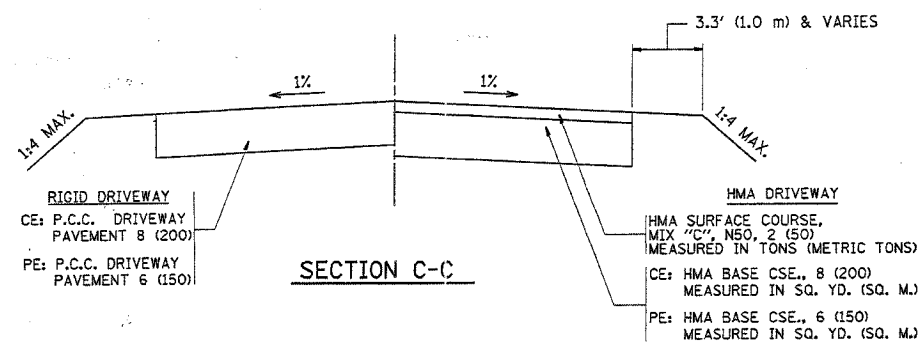
PLAN
6' (1.8 m) TO 10' (3.0 m)



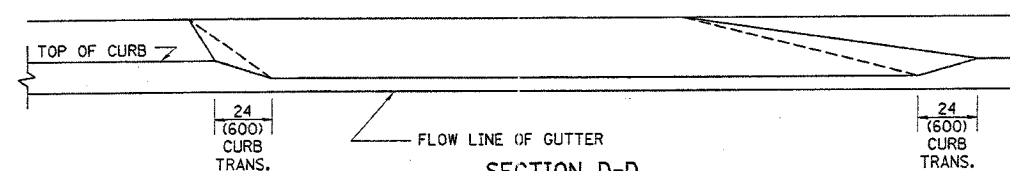
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

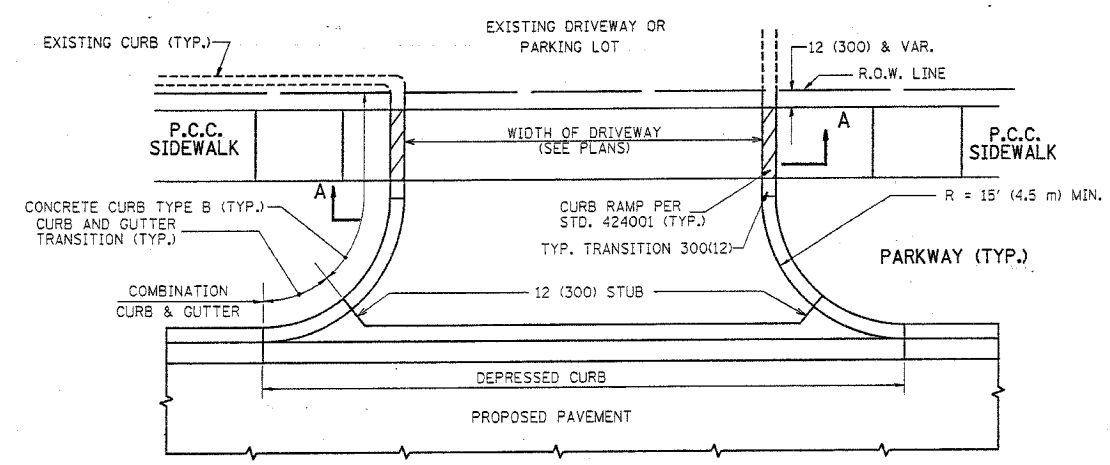
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND
FACE OF CURB < 15' (4.5 m)

REVISIONS	
NAME	DATE
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97
M. GOMEZ	04/06/01
P. LOFLEUR	04/15/03
R. BORO	01/01/07

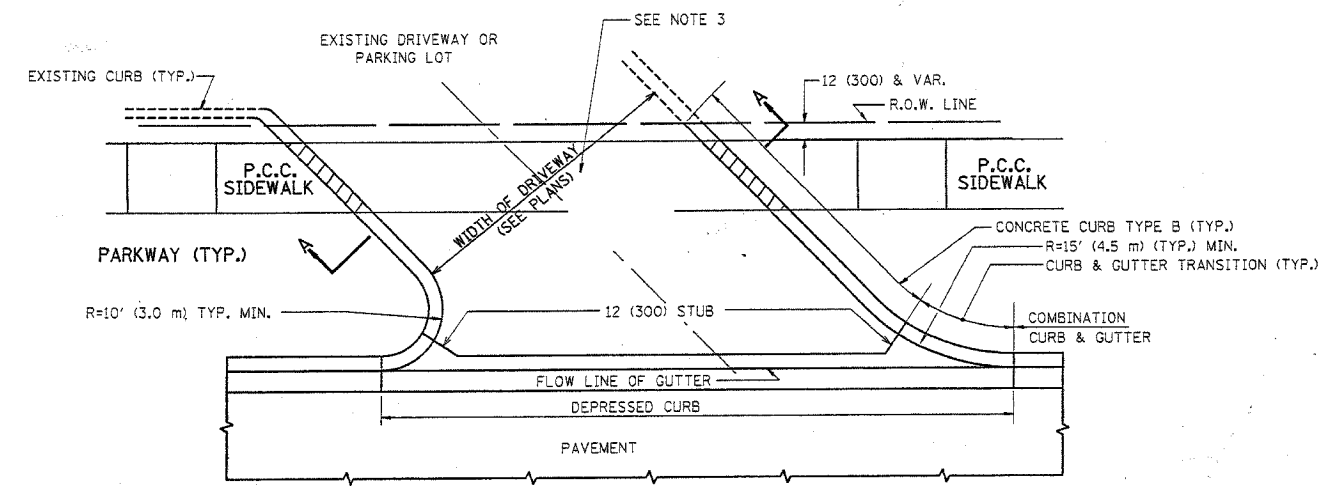
SCALE: VERT. HORIZ.
DATE PLOTTED: 11/15/2006

DRAWN BY
CHECKED BY

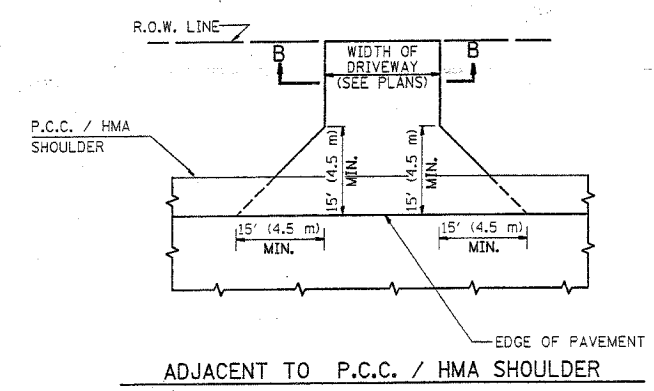
CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	63
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



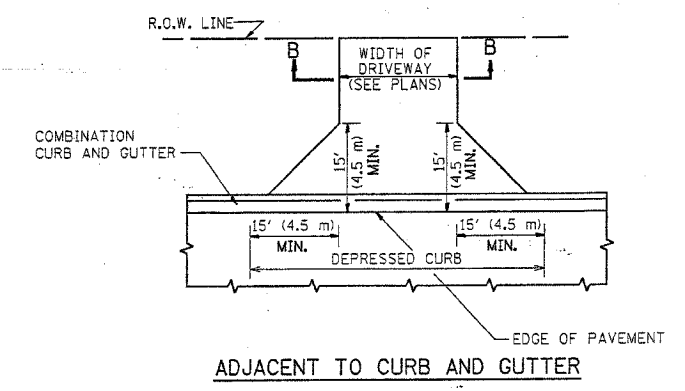
WITH CONCRETE CURB, TYPE B



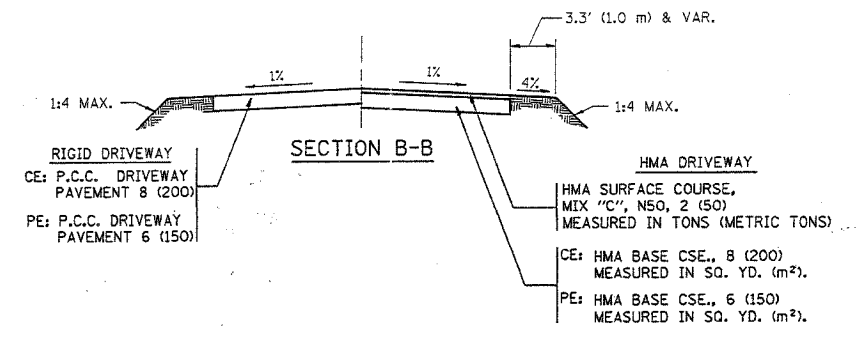
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "C", NSO, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE A 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

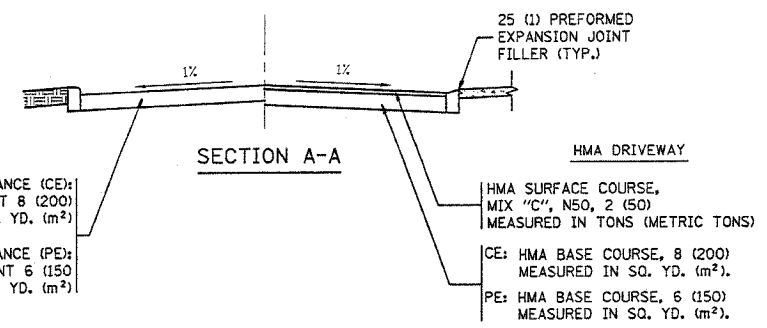
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
HMA SURFACE COURSE,
MIX "C", NSO, 2 (50)
MEASURED IN TONS (METRIC TONS)
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²).
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE NOTED

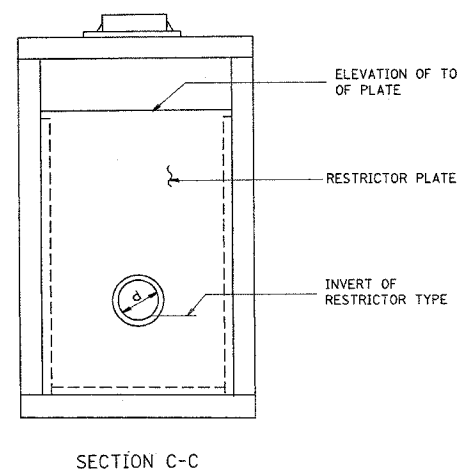
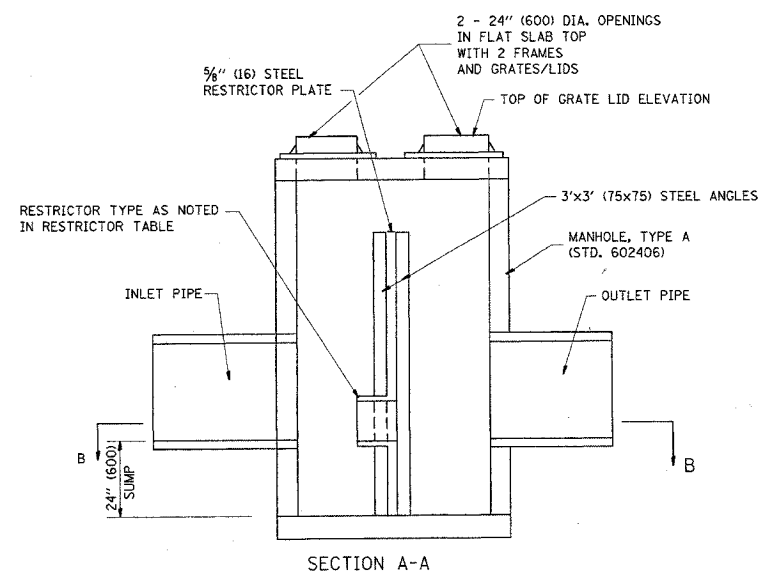
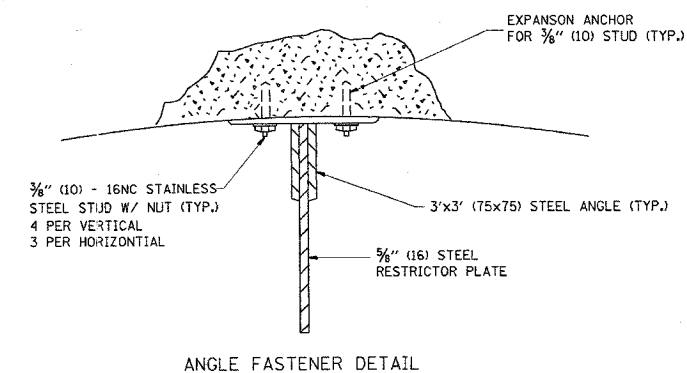
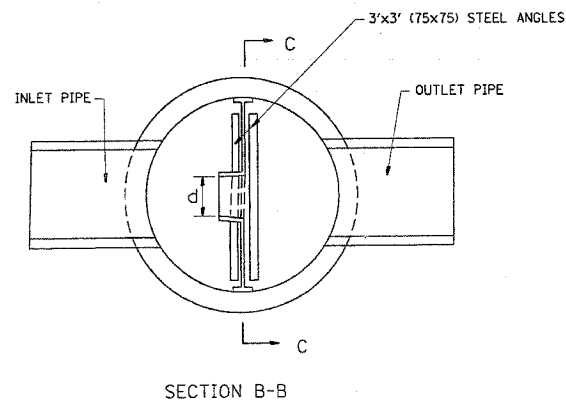
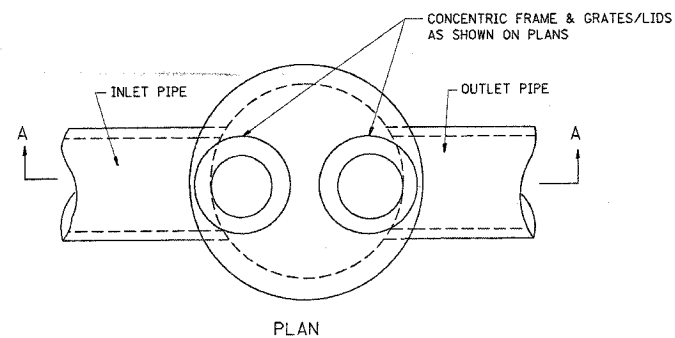
REVISIONS	NAME	DATE
	R. SHAH	11-04-95
	J. POLLASTRINI	08-12-96
	J. POLLASTRINI	12-14-96
	A. ABBAS	03-21-97
	T. HOLTZ	04-08-97
	M. GOMEZ	04-06-01
	P. Lefleur	04-15-03
	R. BORO	01-01-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
DISTANCE BETWEEN R.O.W. AND
FACE OF CURB & EDGE OF
SHOULDER >= 15' (4.5 m)

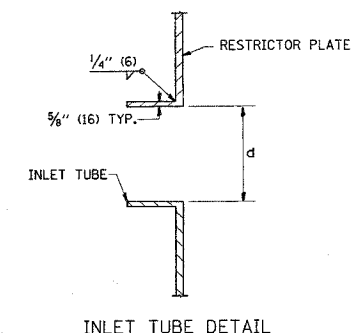
SCALE: VERT. NONE
HORIZ. 1/4" = 1'-0"
PLOT DATE: 11/16/2006
DRAWN BY
CHECKED BY

PLOT DATE = 11/16/2006
FILE NAME = P:\A\B\J\06
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USER NAME = abraham

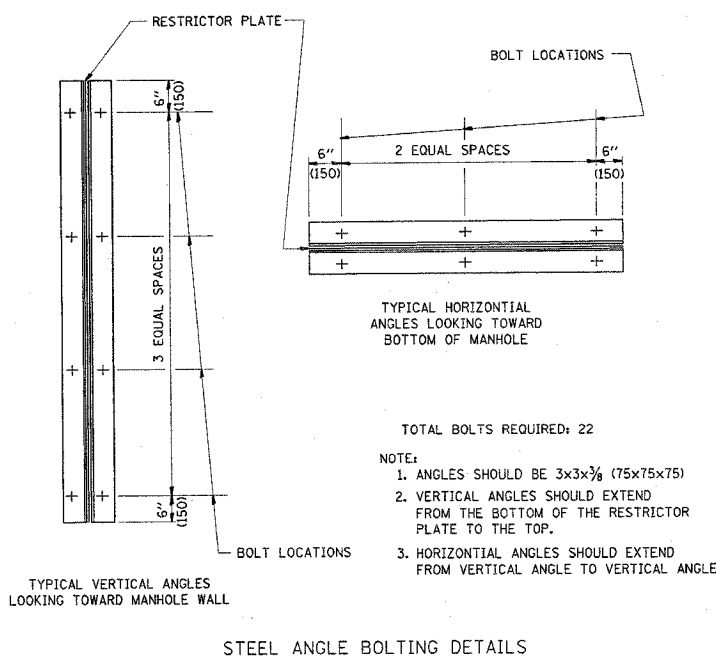
CONTRACT NO.					
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
2946	3368 A-N	COOK	74	64	
STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



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



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
312+01	5 FT	T1 CL	PLATE	15 IN	596.21	601.21



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

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

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: VERT. NONE HORIZ.

DRAWN BY

CHECKED BY

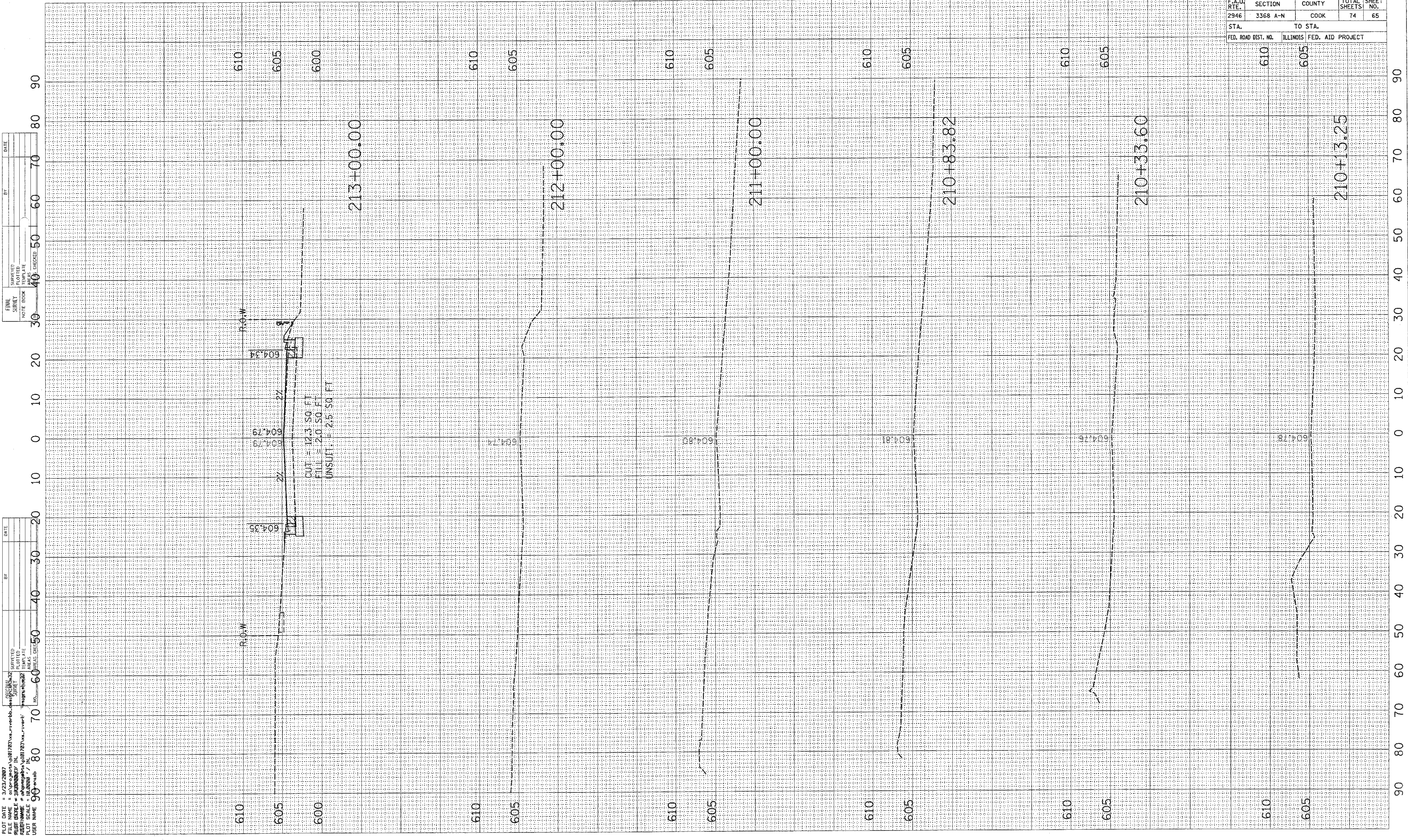
BD600-04 (BD-12)

PLOT DATE = 3/20/2007
 FILE NAME = W:\data\shah\12.dgn
 PLOT SCALE = 50.000 / 1 IN.
 USER NAME = shahrab

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

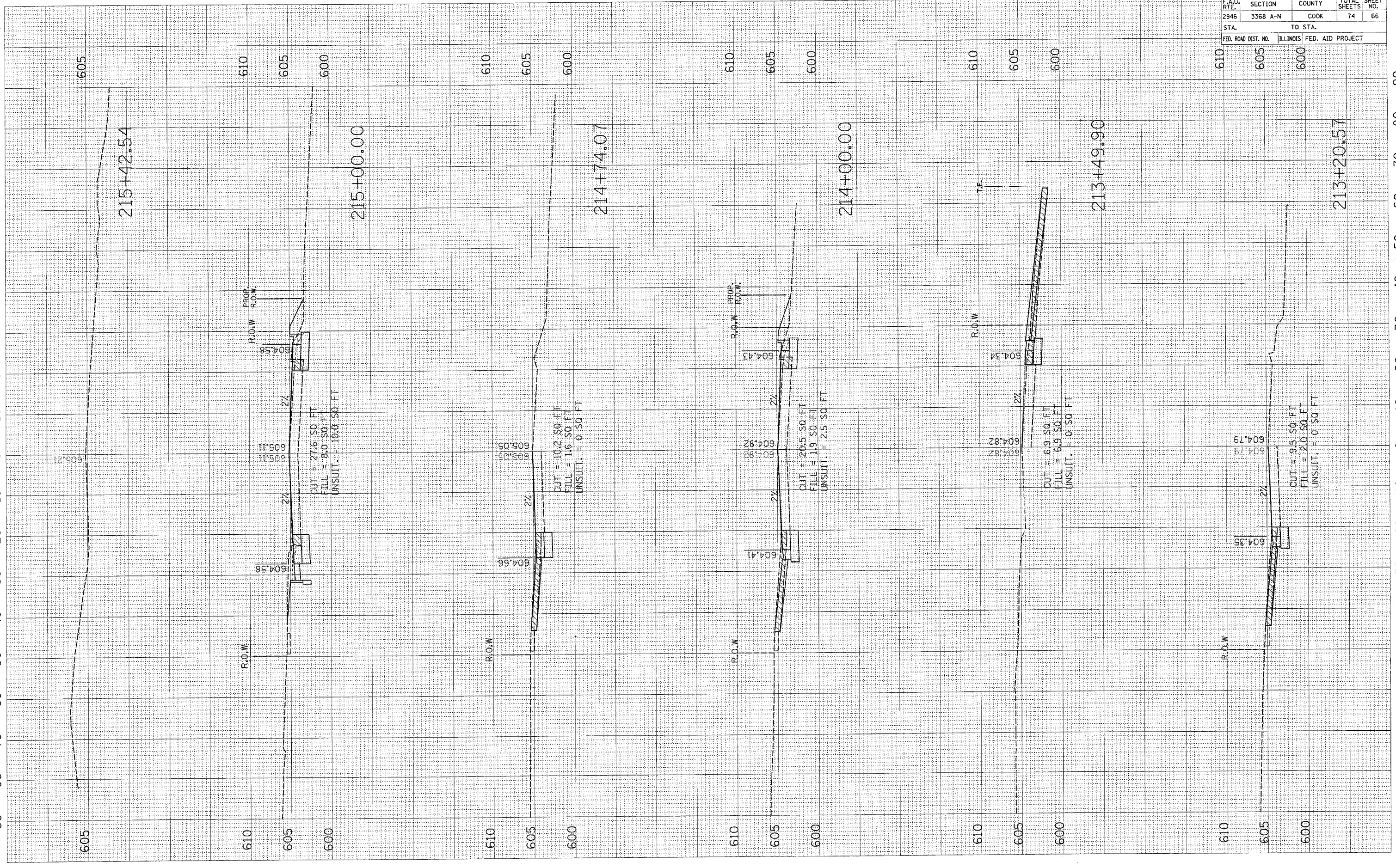
FINAL SURVEY	BY	DATE
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

FILE NAME	BY	DATE
...		
...		
...		



PLOT DATE = 3/23/2007
 DATE = 3/23/2007
 USER NAME = 90001010
 PLOT SCALE = 1/8" = 10.0000' / 1" = 100.0000'

FINAL SURVEY CHECKED BY DATE
 SURVEY PLOTTED BY DATE
 NOTE BOOK CHECKED BY DATE

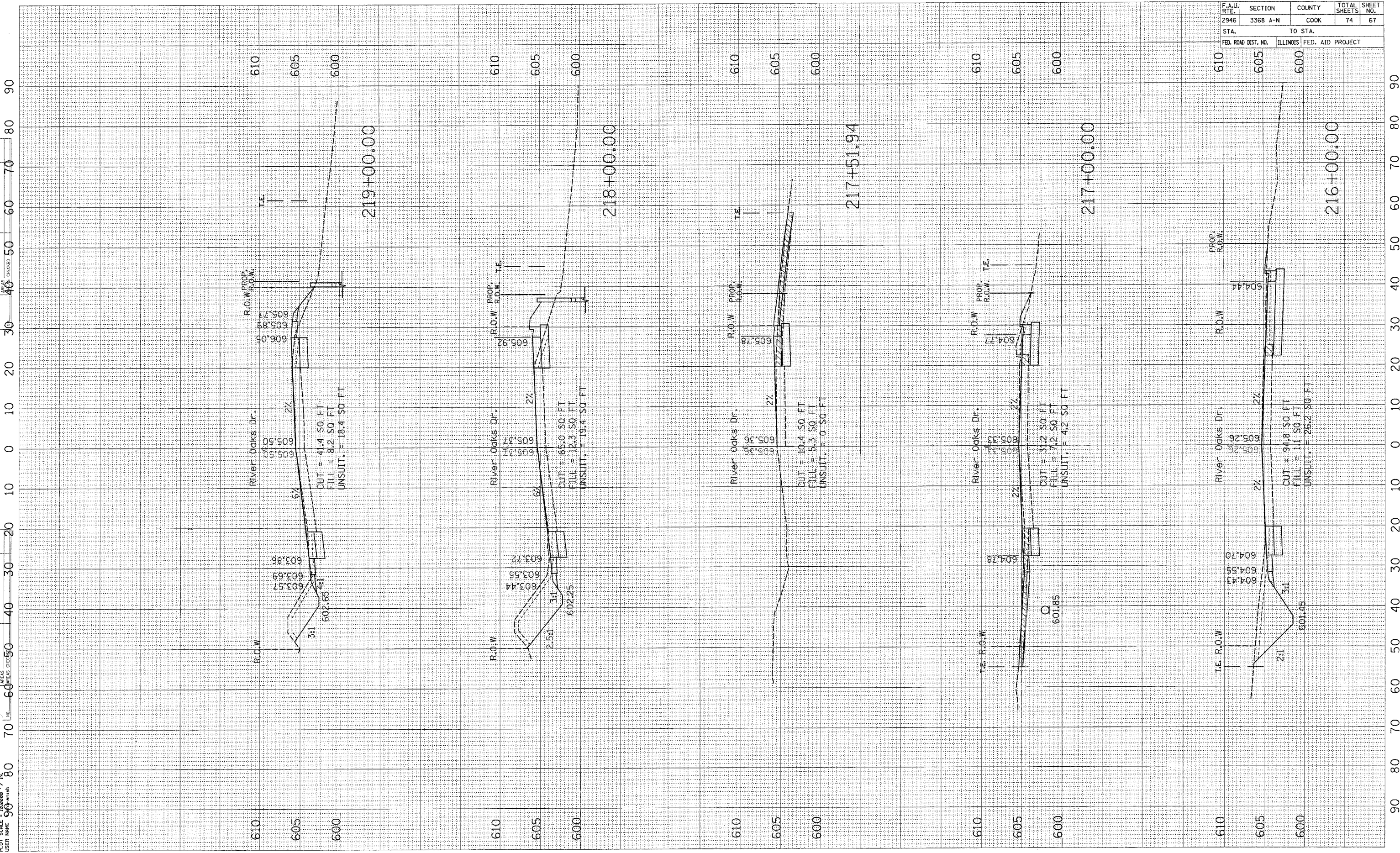


CONTRACT NO. 62915			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
2946	3368 A-N	COOK	74
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT

PLOT DATE = 3/26/2007
 FILE NAME = c:\pco\pco\101783\va_riverbb.dwg
 PLOT SCALE = 3/32000000 IN.
 PLOT SCALE = 10/32000000 IN.
 USER NAME = jg

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____



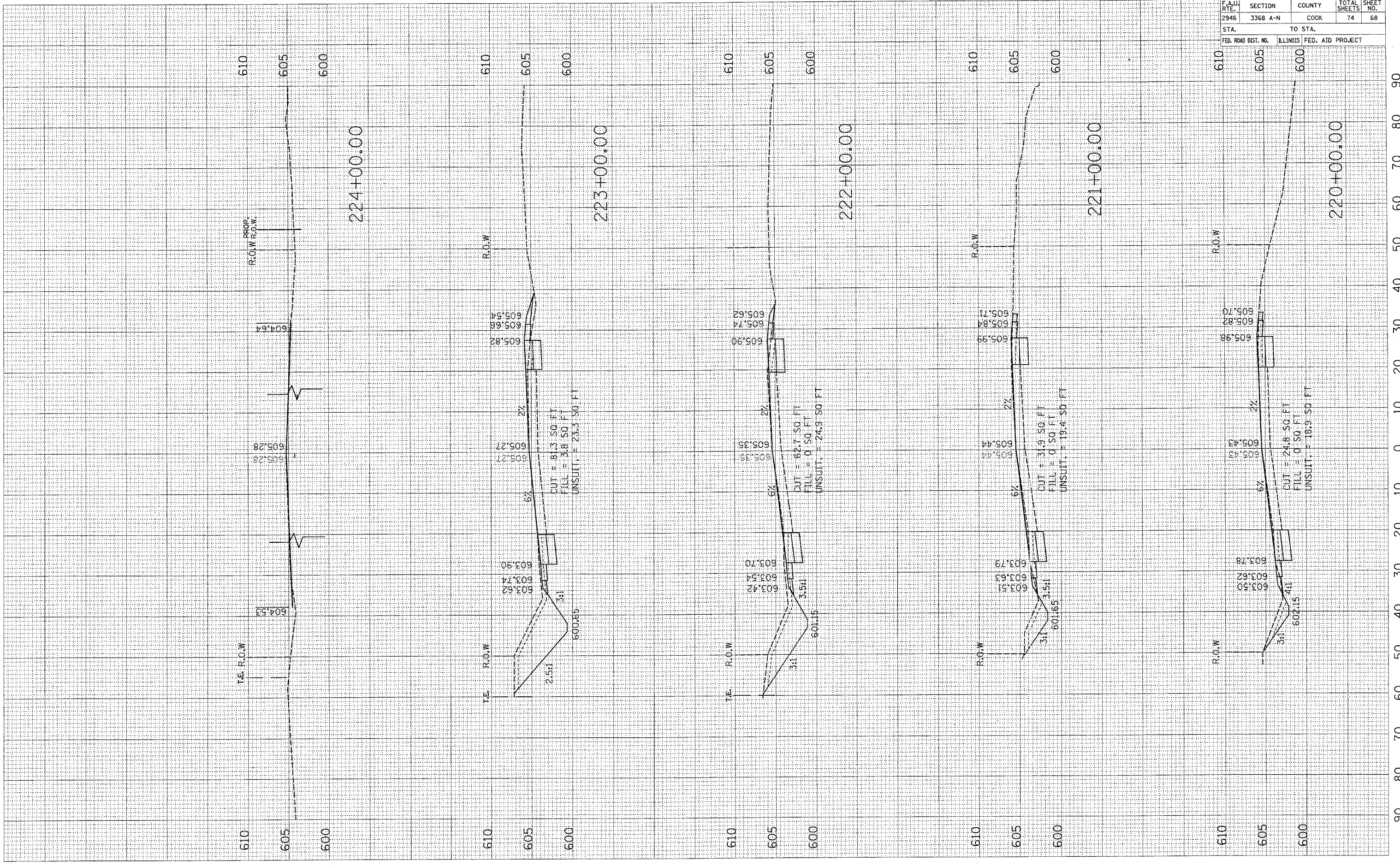
CONTRACT NO. 62915			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
2946	3368 A-N	COOK	74
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

PLOT DATE = 3/23/2007
 FILE NAME = c:\p3\p3\101703\101703.dwg
 PLOT SCALE = 1/8" = 1'-0"
 PLOT STYLE = 3d.ctb
 USER NAME = jwlab

ORIGINAL SURVEYED
 SURVEYED
 PLOTTED
 CHECKED
 DATE

FINAL SURVEY
 SURVEYED
 PLOTTED
 CHECKED
 DATE

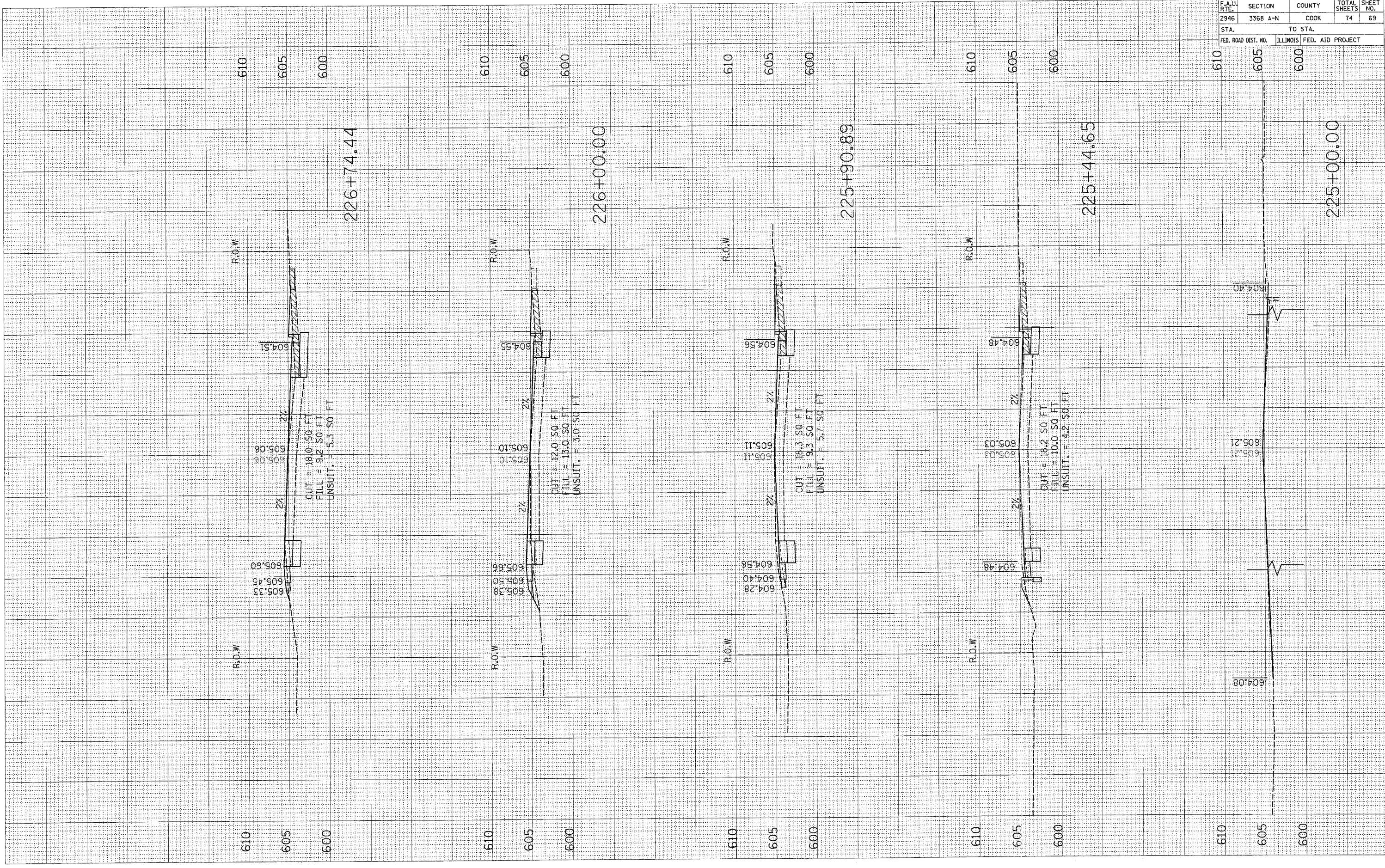
BY
 DATE



CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	68
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLOT DATE = 3/23/2007
 PLOT SCALE = 1" = 40.00 FT
 PLOT USER = jrb
 PLOT AREA = 10.0000 / IN
 PLOT USER NAME = jrb
 PLOT USER NO. = 60
 PLOT USER AREA = 60
 PLOT USER DATE = 3/23/2007
 PLOT USER BY = jrb

FINAL SURVEY NOTE BOOK
 SURVEYED BY: []
 PLOTTED BY: []
 CHECKED BY: []
 DATE: []

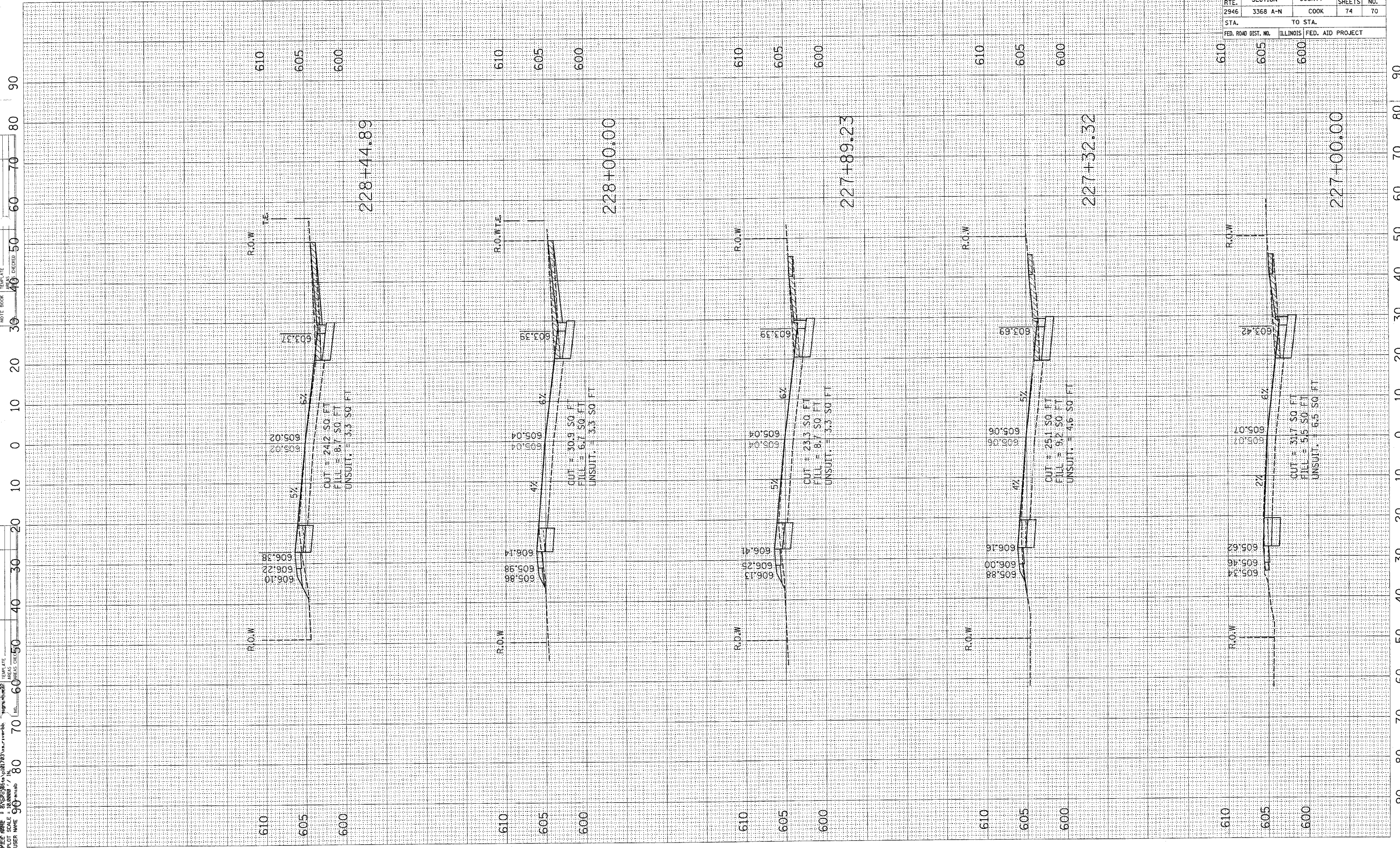


CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLOT DATE = 3/23/2007
 FILE NAME = I:\projects\1601783\1601783.dwg
 PLOT NAME = 1601783.dwg
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = jrb
 BY =
 DATE =
 CHECKED =
 SURVEYED =
 PLOTTED =
 AREAS =
 DATE =

BY =
 DATE =
 CHECKED =
 SURVEYED =
 PLOTTED =
 AREAS =
 DATE =

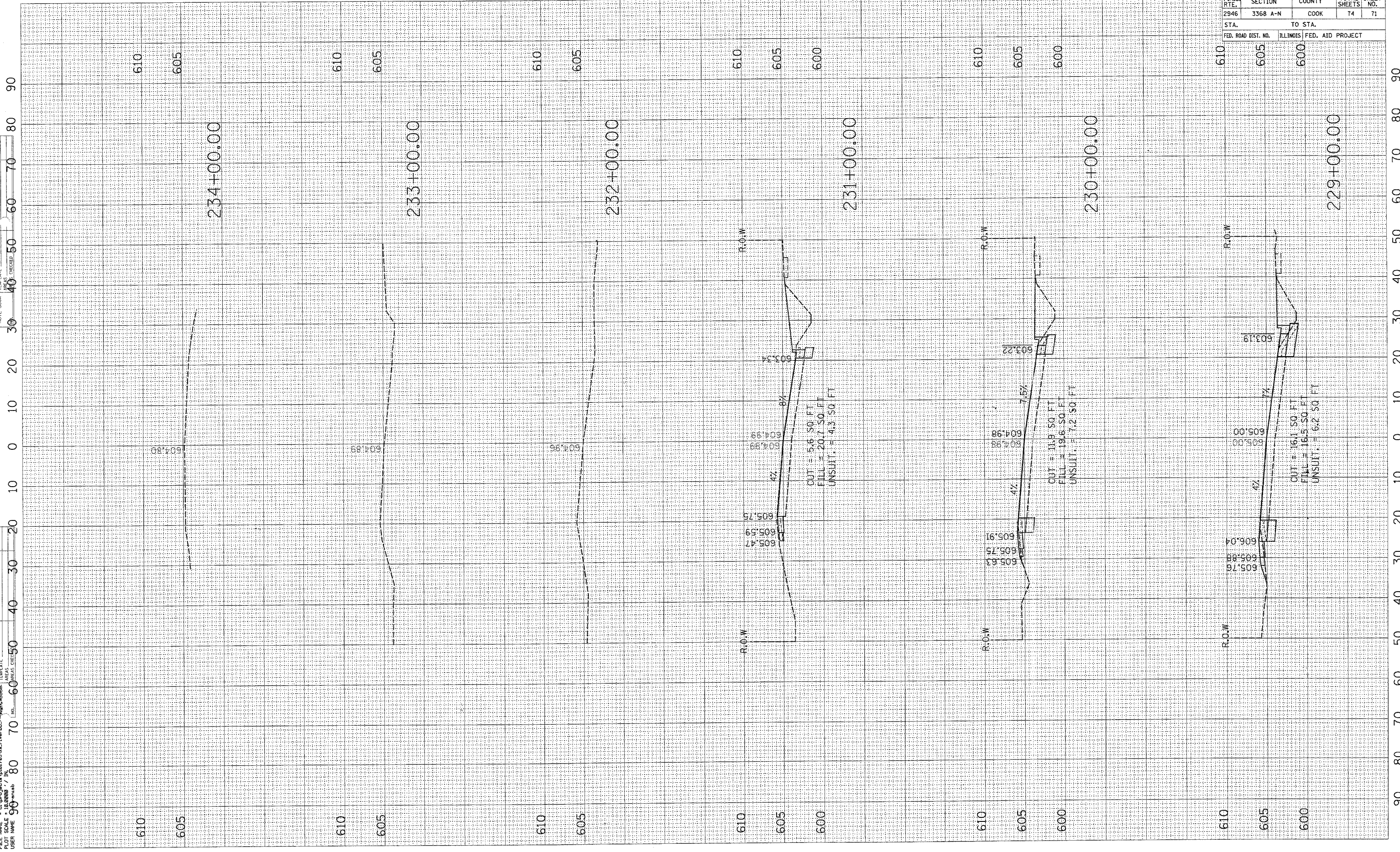
CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 9/23/2007
 FILE NAME = c:\pds\pds\101703\va_r\vevbb\...
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = j...

ORIGINAL SURVEY
 SURVEYED BY
 DATE

FINAL SURVEY
 SURVEYED BY
 DATE



CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	71
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

610 605 600
 610 605 600
 610 605 600
 610 605 600
 610 605 600

234+00.00

233+00.00

232+00.00

231+00.00

230+00.00

229+00.00

OUT = 5.6 SQ. FT.
 FILL = 20.7 SQ. FT.
 UNSUIT. = 4.3 SQ. FT.

OUT = 11.9 SQ. FT.
 FILL = 19.6 SQ. FT.
 UNSUIT. = 7.2 SQ. FT.

OUT = 16.1 SQ. FT.
 FILL = 16.5 SQ. FT.
 UNSUIT. = 6.2 SQ. FT.

R.O.W

R.O.W

R.O.W

4%

4%

4%

7.5%

7.5%

7.5%

P.V.

603.19

605.47

605.59

605.75

604.99

604.99

605.34

605.34

605.63

605.75

605.91

604.98

604.98

603.22

603.22

605.76

605.88

606.04

605.00

605.00

603.19

603.19

PLOT DATE = 9/28/2007
FILE NAME = c:\pcc\cct\p101703\vs\ventbb.dwg
PLOT SHEET = 22
USER NAME =

BY
DATE

FINAL SURVEY
CORRECTED PLOTTED
NOTE BOOK TEMPLATE

30 40 50 60 70 80 90

605 600 595

Wentworth Ave.

R.O.W

R.O.W

599.57 599.59
599.59 599.59
599.59 599.59

2% 2%
CUT = 8.7 SQ FT
FILL = 7.1 SQ FT
UNSUIT = 3.0 SQ FT

310+00.00

600

599.87

309+42.87

600

Wentworth Ave.

599.87

309+00.00

605

Wentworth Avenue

600

598.23

308+84.09

600

Wentworth Ave.

597.80

308+00.00

600

Wentworth Ave.

597.64

307+00.00

600

Wentworth Ave.

597.66

306+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	72

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

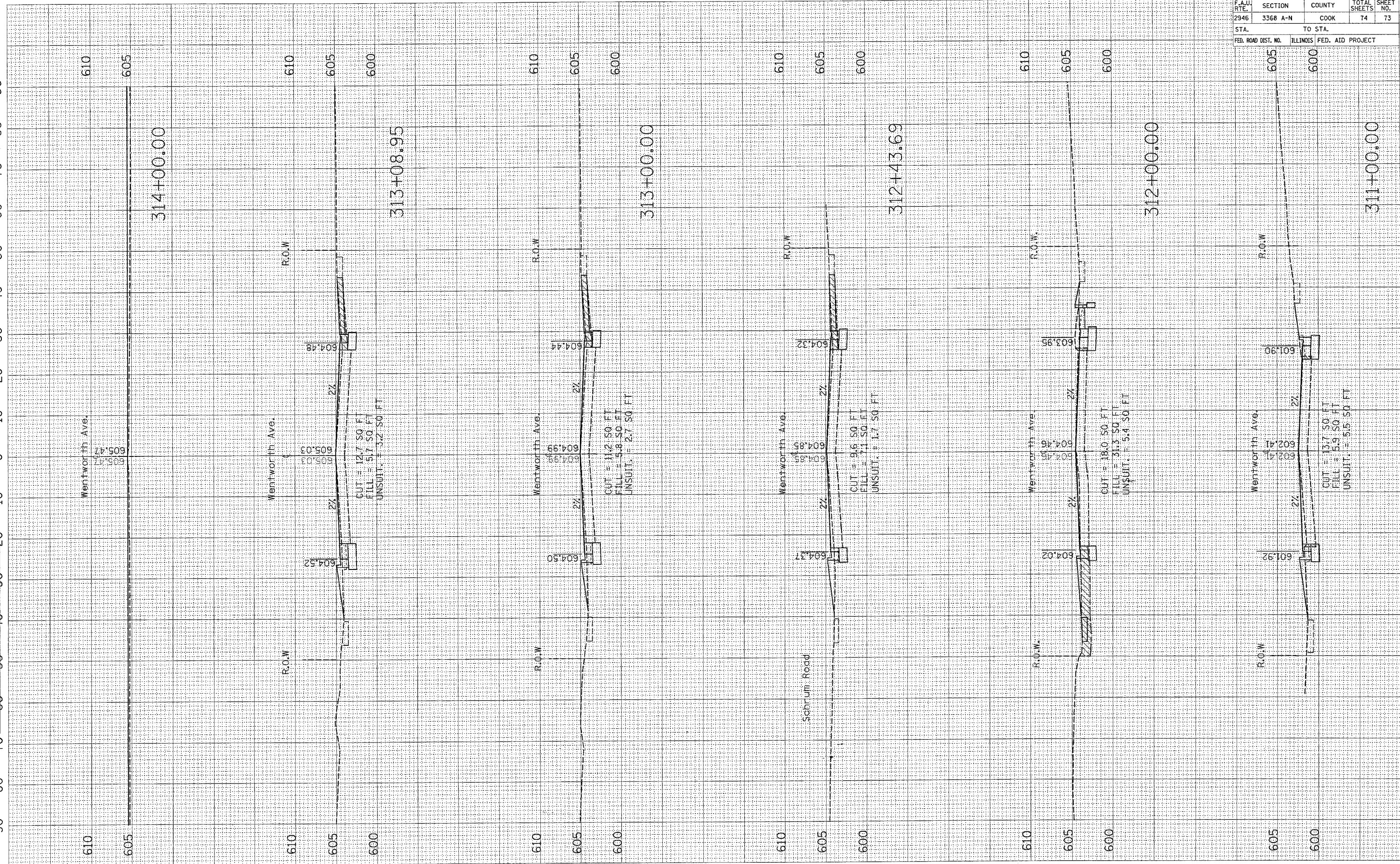
CONTRACT NO. 62915

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

PLOT DATE = 3/25/2007
 FILE NAME = 311+00.00
 USER NAME =

ORIGINAL SURVEYED BY DATE
 PLOTTED BY DATE
 TEMP. DATE
 USER NAME =

FINAL SURVEY BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 PLOTTED BY DATE
 TEMP. DATE
 USER NAME =



CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLOT DATE = 3/23/2007
 FILE NAME = c:\p3\mca\p181783.vs.wentworth.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = jmm

ORIGINAL SURVEYED
 SURVEYED
 PLOTTED
 AREAS CHECKED

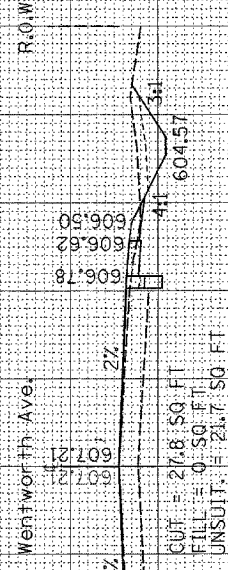
FINAL SURVEY
 PLOTTED
 NOTE BOOK
 CHECKED

BY DATE

BY DATE

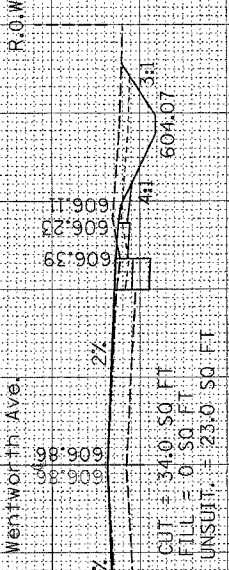
CONTRACT NO. 62915				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2946	3368 A-N	COOK	74	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

320+00.00



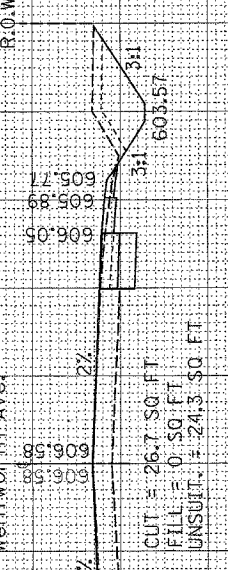
CUT = 27.8 SQ. FT.
 FILL = 0 SQ. FT.
 UNSUIT. = 21.7 SQ. FT.

319+00.00



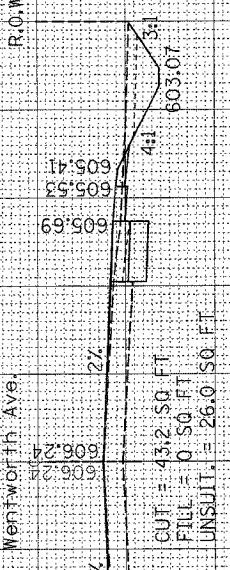
CUT = 34.0 SQ. FT.
 FILL = 0 SQ. FT.
 UNSUIT. = 23.0 SQ. FT.

318+00.00



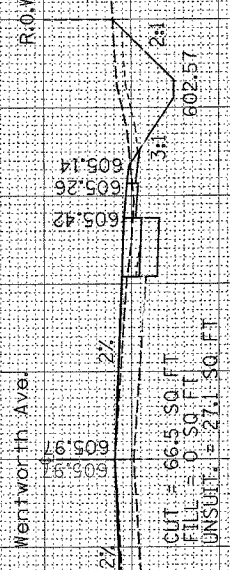
CUT = 26.7 SQ. FT.
 FILL = 0 SQ. FT.
 UNSUIT. = 24.3 SQ. FT.

317+00.00



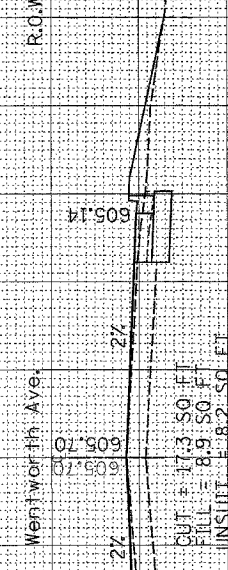
CUT = 43.2 SQ. FT.
 FILL = 0 SQ. FT.
 UNSUIT. = 26.0 SQ. FT.

316+00.00



CUT = 66.5 SQ. FT.
 FILL = 0 SQ. FT.
 UNSUIT. = 27.1 SQ. FT.

315+00.00



CUT = 17.3 SQ. FT.
 FILL = 8.9 SQ. FT.
 UNSUIT. = 8.2 SQ. FT.

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

610 605 610 605 610 605 600 610 605 600 610 605 600 610 605 600