09-23-11 LETTING ITEM 066

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121*	1

* 121 - 10 = 111

CONTRACT NO. - 60445

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY

FAP 840 (IL–50 GOVERNORS HIGHWAY)
AT COURT STREET
SECTION: 143 N
INTERSECTION RECONSTRUCTION,
LIGHTING AND TRAFFIC SIGNAL MODERNIZATION.
PROJECT: NHF-0840(064)
WILL COUNTY
C–91–360–97

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF MONEE

AVERAGE DAILY TRAFFIC
IL–50–2009 ADT = 10,000
DESIGN DESIGNATION:
IL. 50
1360 (14) ARTERIAL 6.03 (PCC–20)
SPEED LIMIT (POSTED):
IL. 50 = 60 KPH (35 MPH)
COURT ST. = 50 KPH (30 MPH)

D–91–360–97

LOCATION OF SECTION INDICATED THUS: –

N

METRIC RATIOS

1 m 0 2 m
1 : 50

0 5 m 10 m
1 : 100

10 m 0 20 m
1 : 250

5 m 0 20 m
1 : 500

0 50 m 100 m
1 : 1000

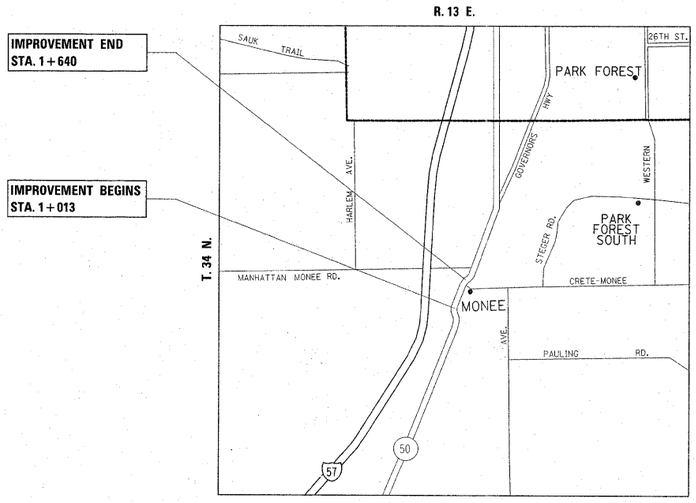
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JENPAI CHANG (847) 705–4432
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60445

R. 13 E.



MONEE TOWNSHIP

GROSS LENGTH OF PROJECT = 627m (0.627km)
NET LENGTH OF PROJECT = 627m (0.627km)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 5/4/11 20 11
Diane M. O'Keefe /pa
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
July 1 20 11
Scott E. Stitt, P.E. /pa
acting ENGINEER OF DESIGN AND ENVIRONMENT
July 1 20 11
Christine M. Reed /pa
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

1/10/2011
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leysd

RTE.	SECTION	COUNTY	SHEETS	NO.
840	143N	WILL	121	2
STA.		TO STA.		

CONTRACT NO. - 60445

INDEX OF SHEETS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
424001-05	SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED
442201-03	CLASS C & D PATCHES
482001-02	HMA SHOULDER DETAILS - RESURFACING OR WIDENING OF RESURFACING PROJECTS
482011-03	SHOULDER STRIPS / SHOULDERS WITH RESURFACING OR WIDENING & RESURFACING PROJECTS
602001-02	CATCH BASIN, TYPE A
602301-03	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602701-02	CAST IRON STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE 8
604091-02	FRAME AND GRATE, TYPE 24
606001-04	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606006-02	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (6.24)
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY ON-RD TO 600 MM (24") OFF-RD FOR SPEEDS . 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS FOR SPEEDS > 45 MPH
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS > 45 MPH
701326-04	LANE CLOSURE 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS
877001-04	STEEL MAST ARM ASSEMBLY AND POLE
878001-06	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS

PLAN NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF MONEE IN WILL CO.

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

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED FOR STABILIZATION. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

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

PLAN NOTES (CONTINUED)

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO HIRE AN ENVIRONMENTAL FIRM TO MONITOR FOR SOIL CONTAMINATION AND WORKER PROTECTION AT SEVERAL LOCATIONS - SEE SPECIAL PROVISIONS.

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

IT IS THE CONTRACTORS 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.

ALL PLANT MATERIAL SHALL BE MARKED IN THE FIELD. CALL STEVEN LIPKE (847) 705-4173, 72 HOURS PRIOR TO LANDSCAPING WORK.

THE RESIDENT ENGINEER SHALL CONTACT LAWRENCE HILL, AREA TRAFFIC FIELD ENGINEER AT (815) 488-6475 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD, SURFACE AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

EXISTING SEWER LOCATIONS SHOWN ARE FROM AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY THEIR LOCATIONS.

WHEN CONSTRUCTING SIDEWALK RAMPS FOR THE HANDICAPPED, STATE STANDARD 424001 USE TYPE B RAMPS UNLESS OTHERWISE SPECIFIED.

ALL PROPOSED DRIVEWAYS SHALL BE HMA UNLESS OTHERWISE SPECIFIED AS PORTLAND CEMENT CONCRETE ON THE PLAN SHEETS.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKINGS OUTSIDE OF THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF THE SHORT TERM PAVEMENT MARKING.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF THE SHORT TERM PAVEMENT MARKING.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

REVISIONS	
NAME	DATE

Rev.

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAP ROUTE 840 (IL ROUTE 50)
COURT STREET
INDEX OF SHEETS
LIST OF STATE STANDARDS
PLAN NOTES

SCALE
DATE 5/12/2011
DRAWN BY
CHECKED BY

5/12/2011
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bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT NO. - 60445

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	FED/ST 0004 ROADWAY (80/20) F S	FED/ST 0021 LIGHTING (80/20) F S	FED/ST/CITY 0021 TRAFFIC SIGNAL (80/10/10) F S C	FED/ST 0021 SIDEWALK (80/20) F S	---	CITY 0021 PRE-EMPTION EQUIPMENT (100% CITY)	FED/ST 0031 LAND-SCAPING (80/20) F S
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	64	64						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	56	56						
~~50500505~~	~~STUD SHEAR CONNECTORS~~	~~EACH~~	~~288~~					~~288~~		
56400100	FIRE HYDRANTS TO BE MOVED	EACH	3	3						
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	22	22						
60236900	INLETS, TYPE A, 12 FRAME & GRATE	EACH	3	3						
* 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6						
* 66900610	ARSENIC AND PH SOIL ANALYSIS	EACH	1	1						
* 66900635	LEAD TCLP SOIL ANALYSIS	EACH	1	1						
* 66900640	VOCS AND SVOCS SOIL ANALYSIS	EACH	3	3						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL. MO.	12	12						
67100100	MOBILIZATION	L SUM	1	1						
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	90	90						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	137	137						
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	118	118						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	118	118						
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1					
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1					
* 81400100	HANDHOLE	EACH	5			5				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4			4				
* 81400300	DOUBLE HANDHOLE	EACH	1			1				
* 82102200	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 200 WATT	EACH	10			10				
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1				

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	FED/ST 0004 ROADWAY (80/20)	FED/ST 0021 LIGHTING (80/20)	FD/ST/CITY 0021 TRAFFIC SIGNAL (80/10/10)	FED/ST 0021 SIDEWALK (80/20)	---	CITY 0021 PRE-EMPTION EQUIPMENT (100% CITY)	FED/ST 0031 LAND-SCAPING (80/20)
* 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	3			3				
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5			5				
* 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1				
* 88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	1						
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8			8				
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	9				9			
* 88700200	LIGHT DETECTOR	EACH	2						2	
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						1	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	6			6				
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1				
* A2004816	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	2							2
* A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1							1
* A2008116	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2" CALIPER, BALLED AND BURLAPPED	EACH	4							4
* B2002666	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	4							4
* B2004116	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3							3
~~M2020010~~	~~EARTH EXCAVATION~~	~~CU M~~	~~15731~~	~~15731~~						

(* Specialty Items) △

△ Rev. 7-26-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL. 50 AT COURT STREET

PLOT DATE: 5/20/2011

5/20/2011

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 ROADWAY FED/ST (80/20)	0021 LIGHTING FED/ST (80/20)	0021 TRAFFIC SIGNAL FD/ST/CITY (80/10/10)	0021 SIDEWALK FED/ST (80/20)	0040 RETAINING WALL FED/ST (80/20)	0021 PRE-EMPTION EQUIPMENT CITY (100% CITY)	0031 LANDSCAPING FED/ST (80/20)
M2020010	EARTHWORK EXCAVATION	CU M	15,731	15,731						
M2020050	EARTH EXCAVATION (WIDENING)	CU M	1584	1584						
M2021200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU M	233	233						
M2070220	POROUS GRANULAR EMBANKMENT	CU M	233	233						
M2080150	TRENCH BACKFILL	CU M	1156	1156						
* M2113100	TOPSOIL FURNISH AND PLACE, 100MM	SQ M	4673							4673
M2140100	GRADING AND SHAPING DITCHES	METER	83							83
* M2500210	SEEDING, CLASS 2A	HA	0.07							0.07
* M2500400	NITROGEN FERTILIZER NUTRIENT	KG	36							36
* M2500500	PHOSPHORUS FERTILIZER NUTRIENT	KG	36							36
* M2500600	POTASSIUM FERTILIZER NUTRIENT	KG	36							36
* M2510630	EROSION CONTROL BLANKET	SQ M	627							627
* M2520110	SODDING, SALT TOLERANT	SQ M	4046							4046
* M2520200	SUPPLEMENTAL WATERING	UNIT	45							45
M2800250	TEMPORARY EROSION CONTROL SEEDING	KG	8							8
M2800305	TEMPORARY DITCH CHECKS	METER	16							16
M2800400	PERIMETER EROSION BARRIER	METER	1387							1387
M3111100	SUB-BASE GRANULAR MATERIAL, TYPE B 100MM	SQ M	707	707						
M3550500	HOT-MIX ASPHALT BASE COURSE, 200MM	SQ M	574	574						
M3560525	HOT-MIX ASPHALT BASE COURSE WIDENING, 225MM	SQ M	317	317						
M4060200	BITUMINOUS MATERIALS (PRIME COAT)	M TON	9	9						
M4060300	AGGREGATE (PRIME COAT)	M TON	46	46						
M4060400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	M TON	4	4						
M4075275	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 275MM	SQ M	1623	1623						
M4063310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	M TON	70	70						
M4063335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	M TON	64	64						
M4075325	HOT-MIX ASPHALT PAVEMENT. (FULL DEPTH) 325MM	SQ M	9362	9362						
M4240125	PORTLAND CEMENT CONCRETE SIDEWALK 125MM	SQ M	1505				1505			
M4063340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	M TON	387	387						

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 ROADWAY FED/ST (80/20)	0021 LIGHTING FED/ST (80/20)	0021 TRAFFIC SIGNAL FD/ST/CITY (80/10/10)	0021 SIDEWALK FED/ST (80/20)	0040 RETAINING WALL FED/ST (80/20)	0021 PRE-EMPTION EQUIPMENT CITY (100% CITY)	0031 LANDSCAPING FED/ST (80/20)
M4400750	HOT-MIX ASPHALT SURFACE REMOVAL, 50MM	SQ M	2021	2021						
M4402000	PAVEMENT REMOVAL	SQ M	8787	8787						
M4402010	DRIVEWAY PAVEMENT REMOVAL	SQ M	576	576						
M4402040	COMBINATION CURB AND GUTTER REMOVAL	METER	248	248						
M4402050	SIDEWALK REMOVAL	SQ M	372				372			
M4402530	PAVED SHOULDER REMOVAL	SQ M	1425	1425						
M4428230	CLASS D PATCHES, TYPE II, 250 MM	SQ M	190	190						
M4428330	CLASS D PATCHES, TYPE III, 250 MM	SQ M	180	180						
M4428430	CLASS D PATCHES, TYPE IV, 250 MM	SQ M	16	16						
M4812150	AGGREGATE SHOULDERS, TYPE B 150MM	SQ M	289	289						
M4816000	AGGREGATE WEDGE SHOULDER, TYPE B	M TON	23	23						
M4820600	HOT-MIX ASPHALT SHOULDER, 200 MM (8")	SQ M	28	28						
~~MX512205~~	~~FURNISHING SOLDIER PILES HP SECTION~~	~~METER~~	~~261~~					~~261~~		
~~M5080205~~	~~REINFORCEMENT BARS, EPOXY COATED~~	~~KG~~	~~5290~~					~~5290~~		
~~M5090010~~	~~ALUMINUM RAILING, TYPE L~~	~~METER~~	~~85~~					~~85~~		
M542E128	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 600MM	EACH	1	1						
M5500030	STORM SEWERS, CLASS A, TYPE 1 300MM	METER	58	58						
M5500045	STORM SEWERS, CLASS A, TYPE 1 400MM	METER	99	99						
M5500055	STORM SEWERS, CLASS A, TYPE 1 500MM	METER	125	125						
M5500430	STORM SEWERS, CLASS A, TYPE 2 300MM	METER	474	474						
M5500455	STORM SEWERS, CLASS A, TYPE 2 500MM	METER	119	119						
M5500465	STORM SEWERS, CLASS A, TYPE 2 600MM	METER	82	82						
M6010605	PIPE UNDERDRAINS 100MM	METER	110	110						
M6020180	CATCH BASINS, TYPE A, 1.2M DIAMETER, TYPE 23 FRAME AND GRATE	EACH	36	36						
M6021405	MANHOLES, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						
M6021410	MANHOLES, TYPE A, 1.2M DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	23	23						
M6060500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-15.30	METER	1276	1276						
M6063600	CONCRETE MEDIAN SURFACE, 100 MM (4")	SQ M	36	36						
* M6690200	NON-SPECIAL WASTE DISPOSAL	CU M	200	200						
M7030100	SHORT-TERM PAVEMENT MARKING	METER	526	526						

(* Specialty Items)

Rev. 7-26-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL. 50 AT COURT STREET

Rev.

PLOT DATE: 5/20/2011

5/20/2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	5
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

CONTRACT NO. - 60445

SUMMARY OF QUANTITIES

				FED/ST	FED/ST	FD/ST/CITY	FED/ST		CITY	FED/ST
				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 ROADWAY (80/20)	0021 LIGHTING (80/20)	0021 TRAFFIC SIGNAL (80/10/10)	0021 SIDEWALK (80/20)		0021 PRE-EMPTION EQUIPMENT (100% CITY)	0031 LAND-SCAPING (80/20)
M7030210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	17	17						
M7030220	TEMPORARY PAVEMENT MARKING - LINE 100MM	METER	11145	11145						
M7030240	TEMPORARY PAVEMENT MARKING - LINE 150MM	METER	225	225						
M7030260	TEMPORARY PAVEMENT MARKING - LINE 300MM	METER	50	50						
M7030280	TEMPORARY PAVEMENT MARKING - LINE 600MM	METER	32	32						
M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	1147	1147						
M7200100	SIGN PANEL - TYPE 1	SQ M	1.26			1.26				
M7200200	SIGN PANEL - TYPE 2	SQ M	2.78			2.78				
M7800100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	17	17						
M7800105	THERMOPLASTIC PAVEMENT MARKING - LINE 100MM	METER	2196	2196						
M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	225	225						
M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	50	50						
M7800140	THERMOPLASTIC PAVEMENT MARKING - LINE 600MM	METER	58	58						
M8100060	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL	METER	200			200				
M8100070	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL	METER	22			22				
M8100100	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL	METER	3			3				
M8101050	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL	METER	81			81				
M8101070	CONDUIT PUSHED, 75MM DIA., GALVANIZED STEEL	METER	100		100					
M8101090	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL	METER	85			85				
~~M8150200~~	~~TRENCH AND BACKFILL FOR ELECTRICAL WORK~~	~~METER~~	~~195~~			~~195~~				
M8170060	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	METER	50		50					
M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	535		340	195				
M8300820	LIGHT POLE, ALUMINUM, 10.5M M.H., 3.0M MAST ARM	EACH	10		10					

SUMMARY OF QUANTITIES

				FED/ST	FED/ST	FD/ST/CITY	FED/ST		CITY	FED/ST
				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0004 ROADWAY (80/20)	0021 LIGHTING (80/20)	0021 TRAFFIC SIGNAL (80/10/10)	0021 SIDEWALK (80/20)		0021 PRE-EMPTION EQUIPMENT (100% CITY)	0031 LAND-SCAPING (80/20)
M8360100	LIGHT POLE FOUNDATION, 600MM DIAMETER	METER	30		30					
M8380095	BREAKAWAY DEVICE, TRANSFORMER BASE, 381MM BOLT CIRCLE	EACH	10		10					
M8731210	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	METER	320			320				
M8731220	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	METER	470			470				
M8731240	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	METER	237			237				
M8731250	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	METER	524			524				
M8731300	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	561			561				
M8731800	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	METER	50			50				
M8750510	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER	EACH	3			3				
M8770030	STEEL MAST ARM ASSEMBLY AND POLE, 7.31 METER	EACH	1			1				
M8770045	STEEL MAST ARM ASSEMBLY AND POLE, 9.14 METER	EACH	1			1				
M8770055	STEEL MAST ARM ASSEMBLY AND POLE, 10.36 METER	EACH	1			1				
M8770075	STEEL MAST ARM ASSEMBLY AND POLE, 12.80 METER	EACH	1			1				
M8770755	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 10.97 METER	EACH	1			1				
M8770760	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 11.58 METER	EACH	1			1				
M8770770	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 12.80 METER	EACH	2			2				
M8780100	CONCRETE FOUNDATION, TYPE A	METER	5			5				
M8780150	CONCRETE FOUNDATION, TYPE C	METER	1.2			1.2				
M8780200	CONCRETE FOUNDATION, TYPE D	METER	12			12				
M8780400	CONCRETE FOUNDATION, TYPE E 750MM DIAMETER	METER	19			19				
MX032057	STORM SEWER REMOVAL	METER	9			9				
MX032178	TEMPORARY INFORMATION SIGNING	SQ M	13.8			13.8				

⚠1 *Specialty Items

⚠1 Rev. 7-26-11

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

IL. 50 AT COURT STREET

PLOT DATE: 5/7/2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	6
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

CONTRACT NO. - 60445

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 0004 ROADWAY (80/20) FED/ST	0021 LIGHTING (80/20) FED/ST	0021 TRAFFIC SIGNAL (80/10/10) FD/ST/CITY	0021 SIDEWALK (80/20) FED/ST		0021 PRE-EMPTION EQUIPMENT (100% CITY) CITY	0031 LAND-SCAPING (80/20) FED/ST
(*) M8860100	DETECTOR LOOP, TYPE I	METER	261			261				
(*) MB731850	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO. 6 1C	METER	323			323				
	~~DRILLING AND SETTING SOLDIER PILES~~	~~CU M~~	~~90~~					~~90~~		
(*) MX873030	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	METER	82			82				
MZ001050	AGGREGATE SUBGRADE 300MM	SQ M	10360	10360						
28000510	INLET FILTERS	EACH	37							37
~~MX030418~~	~~STORM SEWER, WATER MAIN TYPE 2 450 mm~~	~~METER~~	~~24~~	~~24~~						
(*) X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1			1				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	2	2						
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	10	10						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	15	15						
X4023000	TEMPORARY ACCESS (ROAD)	EACH	12	12						
(*) 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1				
(*) 88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6			6				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0023202	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	37	37						
(*) Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	10		10					
(*) MX816074	UNIT DUCT, 600V, 3-1/C #4 AND 1/C #6 GROUND, (XLP-TYPE RHW) 30 MM DIA., SCHEDULE 40 POLYETHYLENE	METER	440		440					
MX030130	STORM SEWER (WATERMAIN REQUIREMENTS) 500MM	METER	10		10					
MX030396	FILL EXISTING STORM SEWER	CU M	6		6					
MX030129	STORM SEWER (WATERMAIN REQUIREMENTS) 400 MM	METER	14		14					

* Specialty Items △

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 0004 ROADWAY	0021 LIGHTING	0021 TRAFFIC SIGNAL	0021 SIDEWALK		0021 PRE-EMPTION EQUIPMENT	0031 LAND-SCAPING

△ Rev. 7-26-11

REVISIONS	
NAME	DATE

Rev.

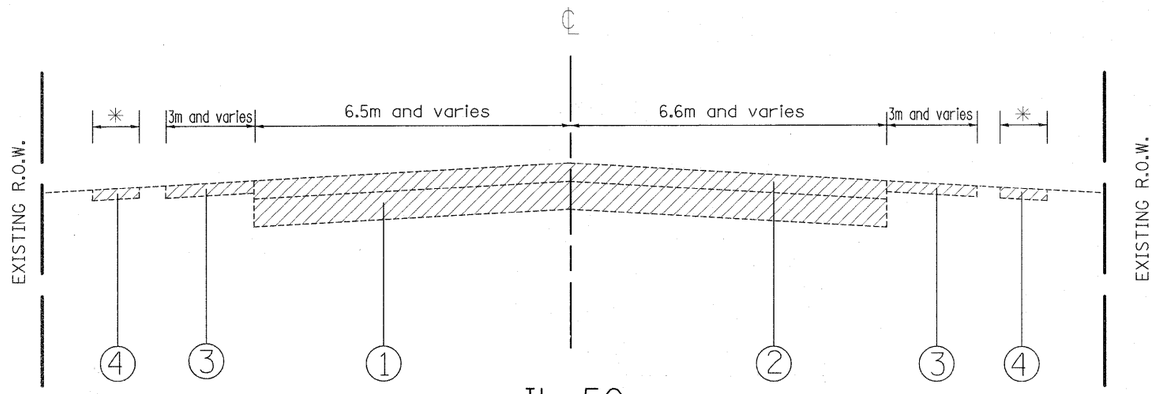
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL. 50 AT COURT STREET

PLOT DATE: 5/19/2011

5/19/2011

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	7
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

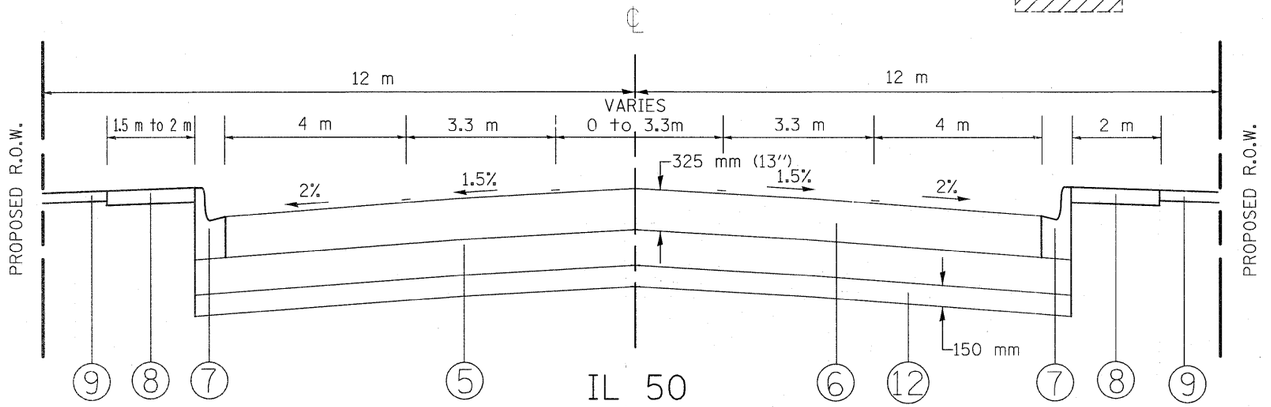
CONTRACT NO. - 60445



IL 50

EXISTING TYPICAL CROSS SECTION
STA. 1+160 TO STA. 1+640

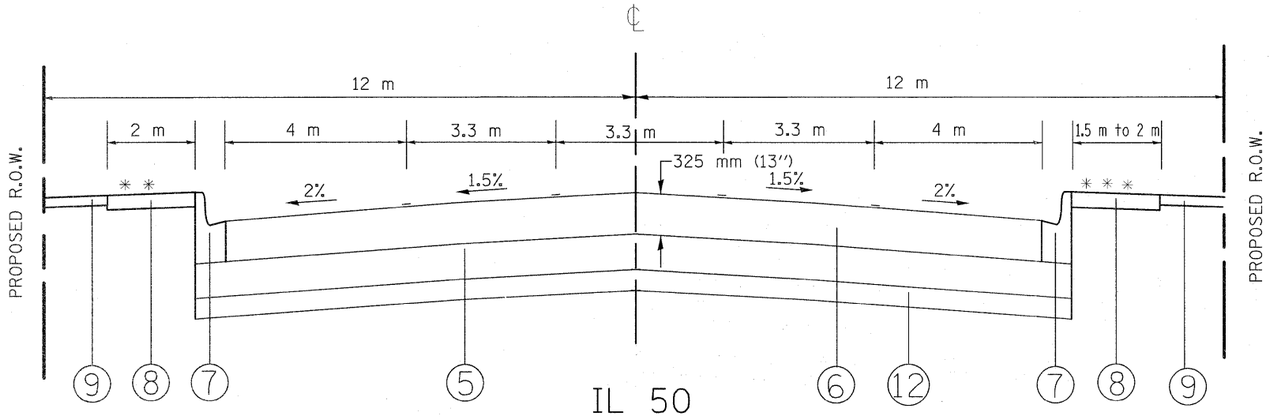
REMOVAL ITEMS



IL 50

PROPOSED TYPICAL CROSS SECTION
STA. 1+160 TO STA. 1+265

(X) NOTE: PGES (FULL WIDTH) FROM STA. 1+160 TO STA. 1+250 ONLY



IL 50

PROPOSED TYPICAL CROSS SECTION
STA. 1+265 TO STA. 1+521

TO DRAIN THE AGGREGATE SUB GRADE 300 mm, PROVIDE 100 mm DIAMETER TRAVERSE PIPE UNDER DRAIN AT 90 METER SPACING.

LEGEND

1. EXISTING PCC PAVEMENT (+/-) 200MM
2. EXISTING BITUMINOUS SURFACE (+/-) 190MM
3. EXISTING STABILIZED SHOULDER
4. EXISTING PCC SIDEWALK
5. PROPOSED AGGREGATE SUBGRADE 300MM (12")
6. PROPOSED HMA PAVEMENT (FULL DEPTH), 325MM (13")
   (SEE MIXTURE TABLE FOR MIX. REQUIREMENT)
7. PROPOSED COMBINATION CONCRETE CURB & GUTTER B-15.30 (B-6.12)
8. PROPOSED PCC SIDEWALK 125MM (5")
9. PROPOSED FURNISH AND PLACE TOP SOIL 100MM (4")
10. PROPOSED HMA SHOULDER 200MM (8")
11. PROPOSED AGGREGATE WEDGE SHOULDER TYPE B 150MM (6")
12. POROUS GRANULAR EMBANKMENT

* EXISTING SIDEWALK REMOVAL LOCATIONS MARKED ON THE PLANS

** MATCH THE EXISTING SIDEWALK AT STA. 1+514

*** STA.1+470 TO STA. 1+495 (1.5 M SIDEWALK)
STA. 1+495 TO STA. 1+520 (2.0 M SIDEWALK)

\# SUPER ELEVATION VARIES TO MATCH THE EXISTING CROSS SECTION (SEE THE CROSS SECTIONS AND THE DETAILED PROPOSED PAVEMENT ELEVATION PLAN)

HOT MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USES	DESIGN AIR VOIDS
HMA SURFACE COURSE MIX "D", N70, IL-9.5mm, (TOP 50mm (2"), OF FULL DEPTH PAVEMENTS)	4% @ 70 GYR.
HMA BINDER COURSE IL-19mm, N70, 275mm (11") AND 225mm (9")	4% @ 70 GYR.
HMA BASE COURSE, 225mm (9") & 200mm (8") HMA BINDER (IL-19mm)	4% @ 50 GYR.
HMA SHOULDER, 200mm (8"), (BINDER COURSE IL-19mm)	4% @ 70 GYR.
HMA SURFACE COURSE MIX "C", N50, 50mm (2"), IL-9.5mm (3/8")	4% @ 50 GYR.
HMA SURFACE COURSE MIX "D", N50, 38mm (1 1/2"), IL-9.5mm (3/8")	4% @ 70 GYR.
CLASS "D" PATCHES, (HMA BINDER), IL-19mm, (3/4")	4% @ 70 GYR.

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

AC TYPE NOTE
"THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS."
"FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS."

CONTRACTOR SHALL MILL BEFORE PATCHING.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL - 50 (GOVENOR'S HIGHWAY)
TYPICAL CROSS SECTION

SCALE: NONE — DRAWN BY
DATE: 8/17/2011 — CHECKED BY

8/17/2011
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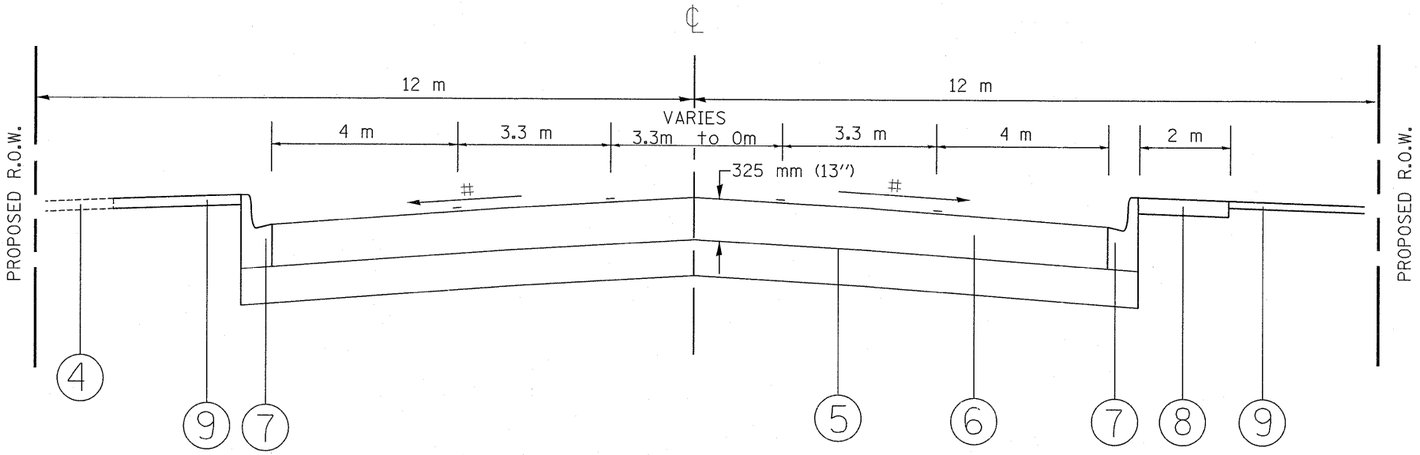
bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	8
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

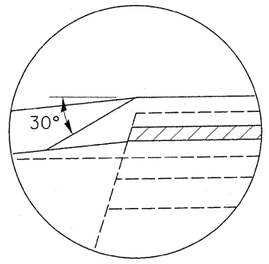
CONTRACT NO. - 60445



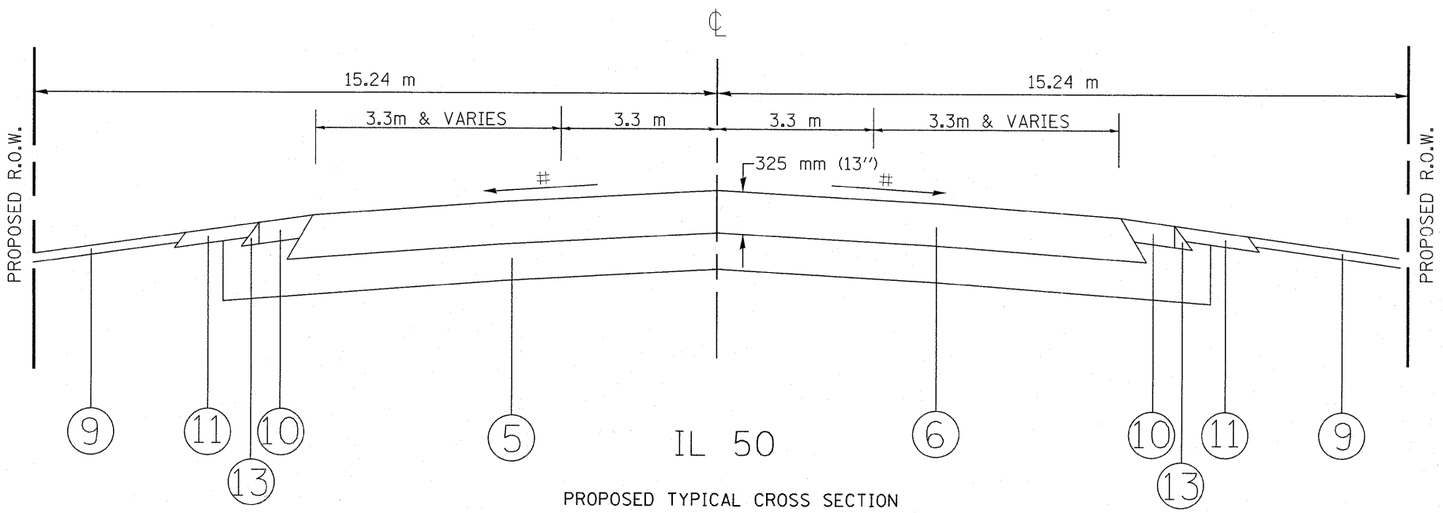
IL 50

PROPOSED TYPICAL CROSS SECTION

STA. 1+521 TO STA. 1+600



SAFETY EDGE DETAIL



IL 50

PROPOSED TYPICAL CROSS SECTION

STA. 1+600 TO STA. 1+640

LEGEND

1. EXISTING PCC PAVEMENT (+/-) 200MM
2. EXISTING BITUMINOUS SURFACE (+/-) 190MM
3. EXISTING STABILIZED SHOULDER
4. EXISTING PCC SIDEWALK
5. PROPOSED AGGREGATE SUBGRADE 300MM (12")
6. PROPOSED HMA PAVEMENT (FULL DEPTH), 325MM (13") (SEE MIXTURE TABLE FOR MIX. REQUIREMENT)
7. PROPOSED COMBINATION CONCRETE CURB & GUTTER B-15.30 (B-6.12)
8. PROPOSED PCC SIDEWALK 125MM (5")
9. PROPOSED FURNISH AND PLACE TOP SOIL 100MM (4")
10. PROPOSED HMA SHOULDER 200MM (8")
11. PROPOSED AGGREGATE WEDGE SHOULDER TYPE B 150MM (6")
12. POROUS GRANULAR EMBANKMENT
13. PROPOSED SAFETY EDGE

* EXISTING SIDEWALK REMOVAL LOCATIONS MARKED ON THE PLANS

** MATCH THE EXISTING SIDEWALK AT STA. 1+514

*** STA.1+470 TO STA. 1+495 (1.5 M SIDEWALK)
STA. 1+495 TO STA. 1+520 (2.0 M SIDEWALK)

\# SUPER ELEVATION VARIES TO MATCH THE EXISTING CROSS SECTION (SEE THE CROSS SECTIONS AND THE DETAILED PROPOSED PAVEMENT ELEVATION PLAN)

STRUCTURAL TRAFFIC: YEAR 2014

PV= 13,004 SU= 328 MU= 328

ROAD/STREET CLASIFICATION: CLASS 1

P= 32% S= 45% M= 45%

TRAFFIC FACTOR: ACTUAL TF= 1.83 AC TYPE= 10

MINIMUM TF= 4.27

AC GRADE: BINDER= PG 64-22 SURFACE= PG 64-22

SUBGRADE SUPPORT RATING:

SSR= 2.00 (STA. _____ To _____)
SSR= 2.00 (STA. _____ To _____)

TO DRAIN THE AGGREGATE SUB GRADE 300 mm, PROVIDE 100 mm DIAMETER TRAVERSE PIPE UNDER DRAIN AT 90 METER SPACING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL - 50 (GOVENOR'S HIGHWAY)

TYPICAL CROSS SECTION

SCALE: NONE DRAWN BY

DATE: 8/17/2011 CHECKED BY

8/17/2011
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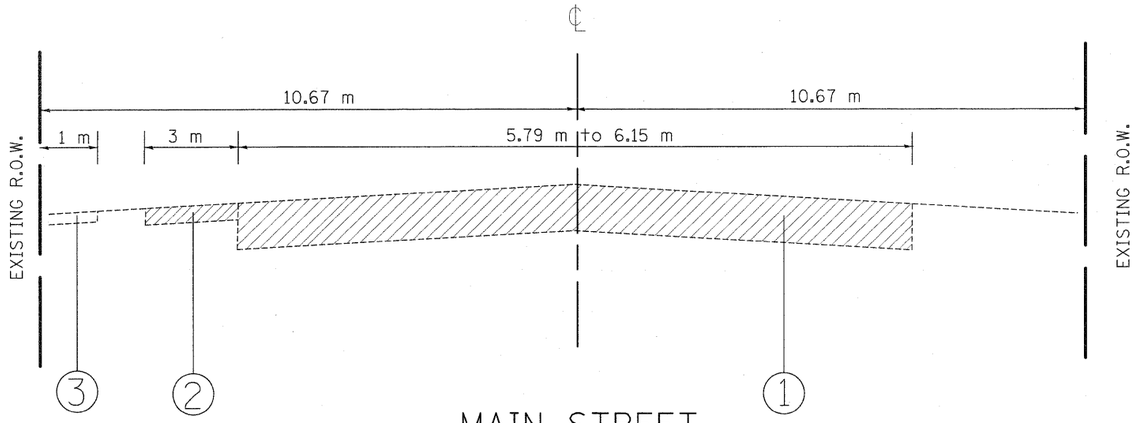
beckertom

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



MAIN STREET

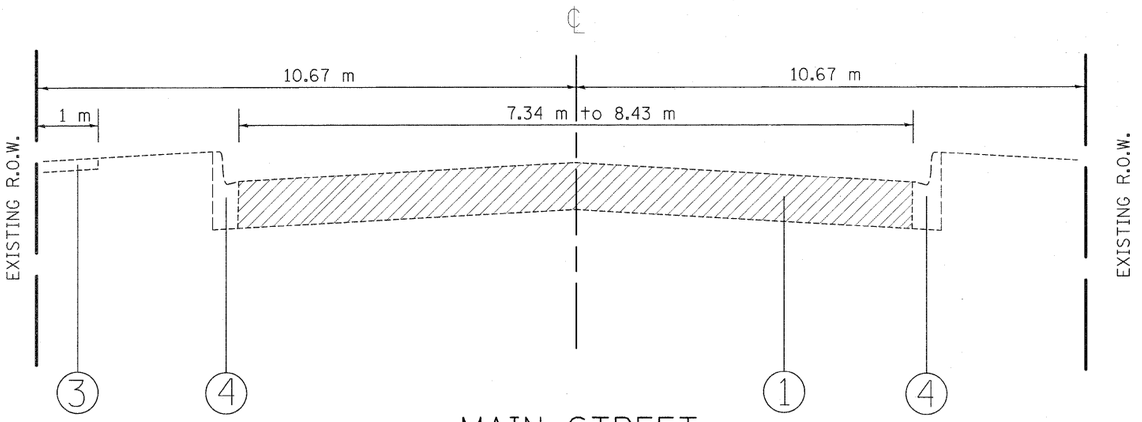
EXISTING TYPICAL CROSS SECTION

STA. 4+920 TO STA. 5+000

LEGEND

1. EXISTING HMA PAVEMENT (+ /-) 230MM
2. EXISTING AGGREGATE SHOULDER
3. EXISTING P.C.C. SIDEWALK
4. EXISTING CURB AND GUTTER, B-15.30 (B-6.12)
5. PROPOSED AGGREGATE SUB-GRADE, 300MM (12")
6. PROPOSED COMBINATION CURB AND GUTTER, B-15.30 (B-6.12)
7. PROPOSED HMA PAVEMENT (FULL DEPTH) 275MM (11")
   (SEE MIXTURE TABLE FOR REQUIREMENT)
8. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B, 150MM (6")

REMOVAL ITEMS



MAIN STREET

EXISTING TYPICAL CROSS SECTION

STA. 5+000 TO STA. 5+080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN STREET

TYPICAL CROSS SECTION

SCALE: NONE — DRAWN BY

DATE: 5/17/2011 — CHECKED BY

5/7/2011
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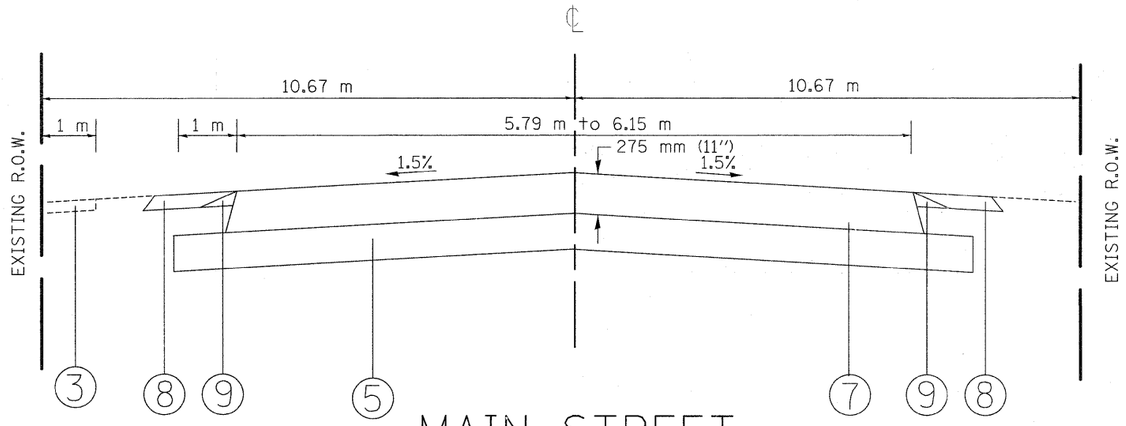
bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

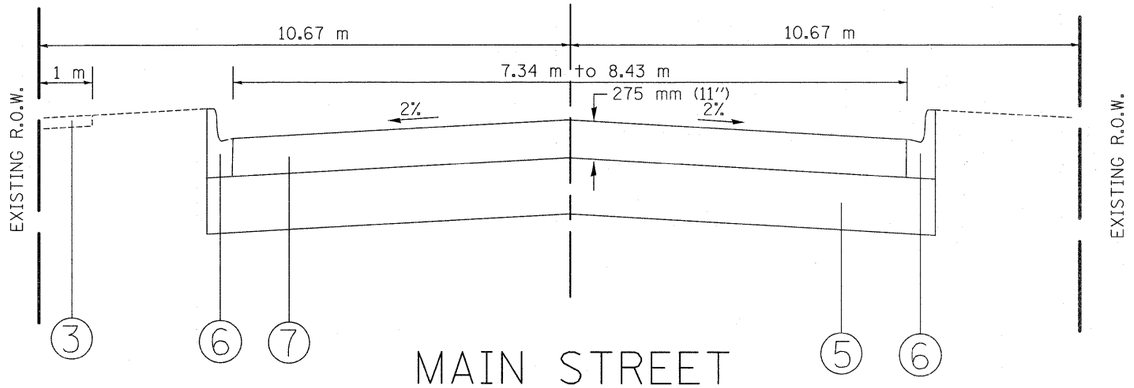
CONTRACT NO. - 60445



MAIN STREET

PROPOSED TYPICAL CROSS SECTION

STA. 4+920 TO STA. 4+988



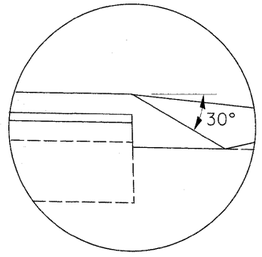
MAIN STREET

PROPOSED TYPICAL CROSS SECTION

STA. 5+000 TO STA. 5+080

LEGEND

1. EXISTING HMA PAVEMENT (+ /-) 230MM
2. EXISTING AGGREGATE SHOULDER
3. EXISTING P.C.C. SIDEWALK
4. EXISTING CURB AND GUTTER, B-15.30 (B-6.12)
5. PROPOSED AGGREGATE SUB-GRADE, 300MM (12")
6. PROPOSED COMBINATION CURB AND GUTTER, B-15.30 (B-6.12)
7. PROPOSED HMA PAVEMENT (FULL DEPTH) 275MM (11")
   (SEE MIXTURE TABLE FOR REQUIREMENT)
8. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B, 150MM (6")
9. PROPOSED SAFETY EDGE



SAFETY EDGE DETAIL

TO DRAIN THE AGGREGATE SUB GRADE 300 mm, PROVIDE 100 mm DIAMETER TRAVERSE PIPE UNDER DRAIN AT 90 METER SPACING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN STREET

TYPICAL CROSS SECTION

SCALE: NONE DRAWN BY

DATE: 5/7/2011 CHECKED BY

5/7/2011
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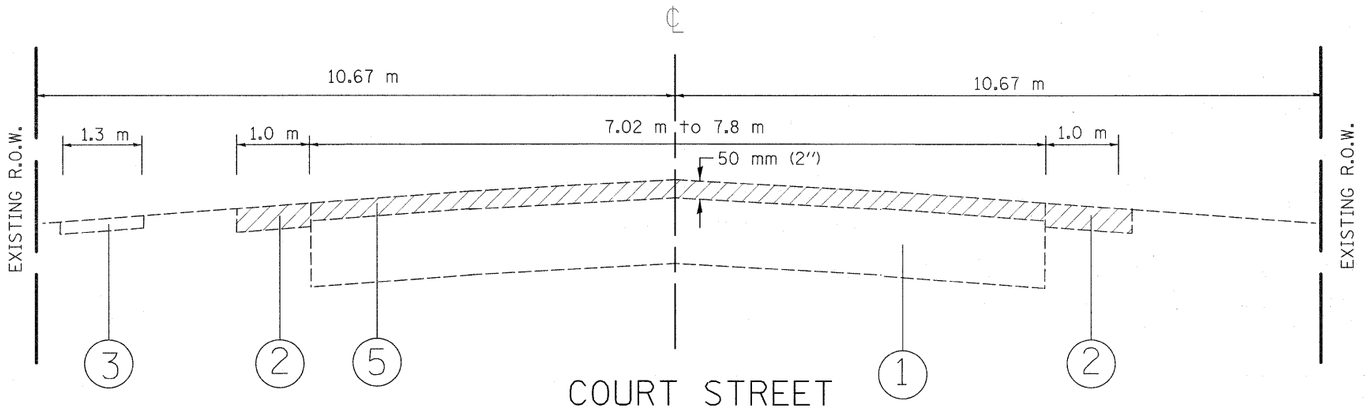
bauerdl

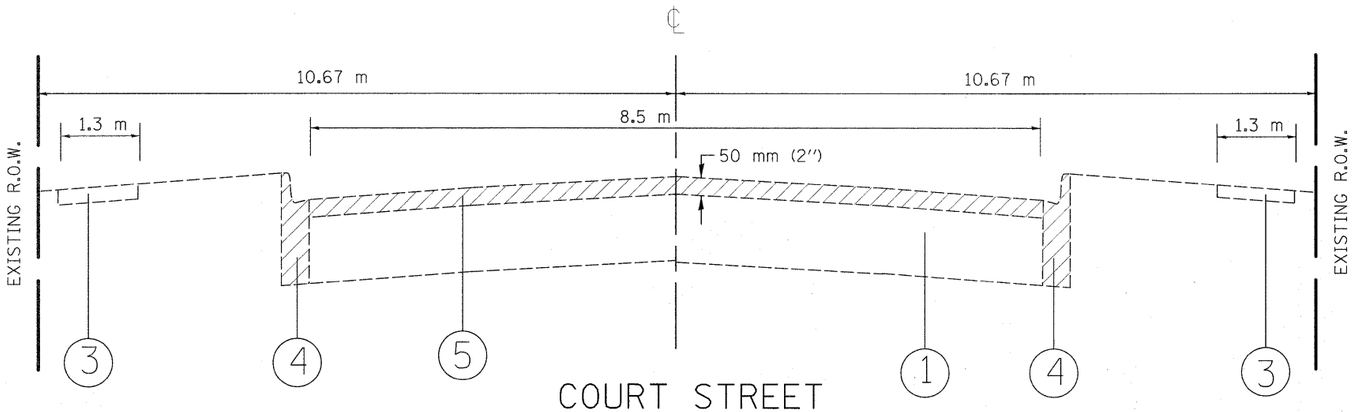
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. - 60445



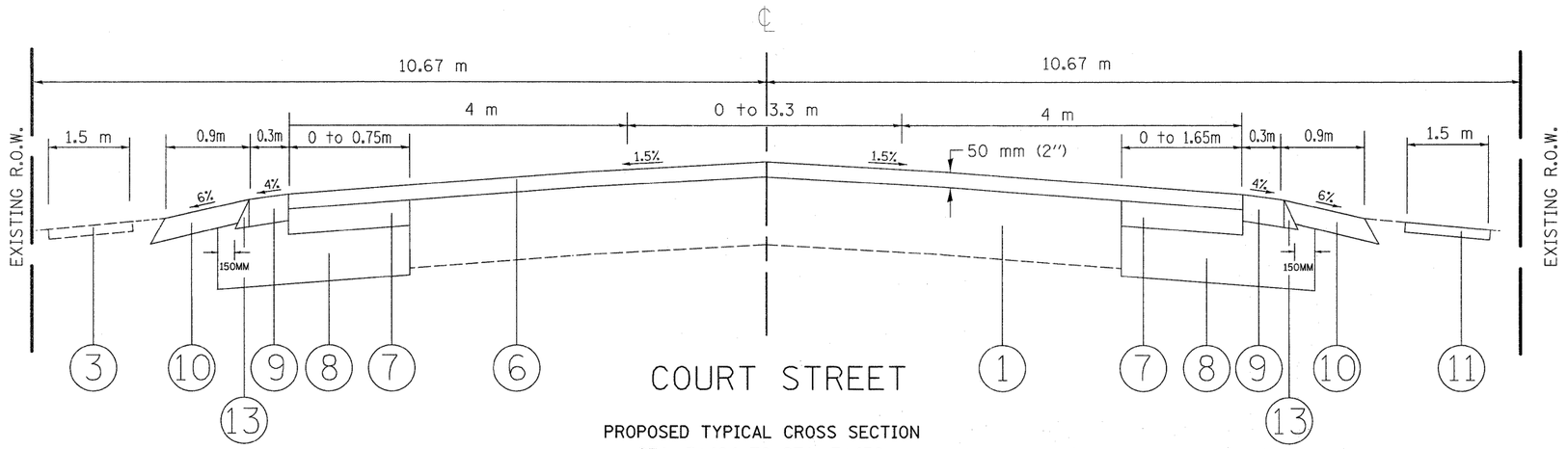
COURT STREET

EXISTING TYPICAL CROSS SECTION
STA. 3+404 TO STA. 3+526



COURT STREET

EXISTING TYPICAL CROSS SECTION
STA. 3+526 TO STA. 3+650



COURT STREET

PROPOSED TYPICAL CROSS SECTION
STA. 3+404 TO STA. 3+450

LEGEND

1. EXISTING HMA PAVEMENT (+/-) 270MM
2. EXISTING AGGREGATE SHOULDER
3. EXISTING P.C.C. SIDEWALK
4. EXISTING CURB AND GUTTER B-15.30 (B-6.12)
5. PROPOSED HMA SURFACE REMOVAL ±50MM (2")
6. PROPSED HMA SURFACE COURSE, MIX D N70, 50MM (2")
7. PROPOSED HMA BASE COURSE WIDENING, 225MM (9")
8. PROPOSED AGGREGATE SUBGRADE 300MM (12")
9. PROPOSED HMA SHOULDER, 200MM (8")
10. PROPOSED AGGREGATE WEDGE SHOULDER TYPE B, 150MM (6")
11. PROPOSED P.C.C. SIDEWALK 125MM (5")
12. PROPOSED COMBINATION CURB AND GUTTER B-15.30 (B-6.12)
13. PROPOSED SAFETY EDGE

FROM STA. 3+623 TO STA. 3+650.5
VARIES FROM 4.25M TO 0.0M

REMOVAL ITEMS

NOTE: THE ADDITIONAL THICKNESS OF AGGREGATE REQUIRED UNDER THE SHOULDER WILL NOT BE PAID FOR SEPARATELY. IT IS INCLUDED IN THE COST OF **AGGREGATE SUBGRADE, 300 MM (SQ.M.).**

TO DRAIN THE AGGREGATE SUB GRADE 300 mm, PROVIDE 100 mm DIAMETER TRAVERSE PIPE UNDER DRAIN AT 90 METER SPACING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

COURT STREET

TYPICAL CROSS SECTION

SCALE: NONE DRAWN BY

DATE: 5/7/2011 CHECKED BY

5/7/2011
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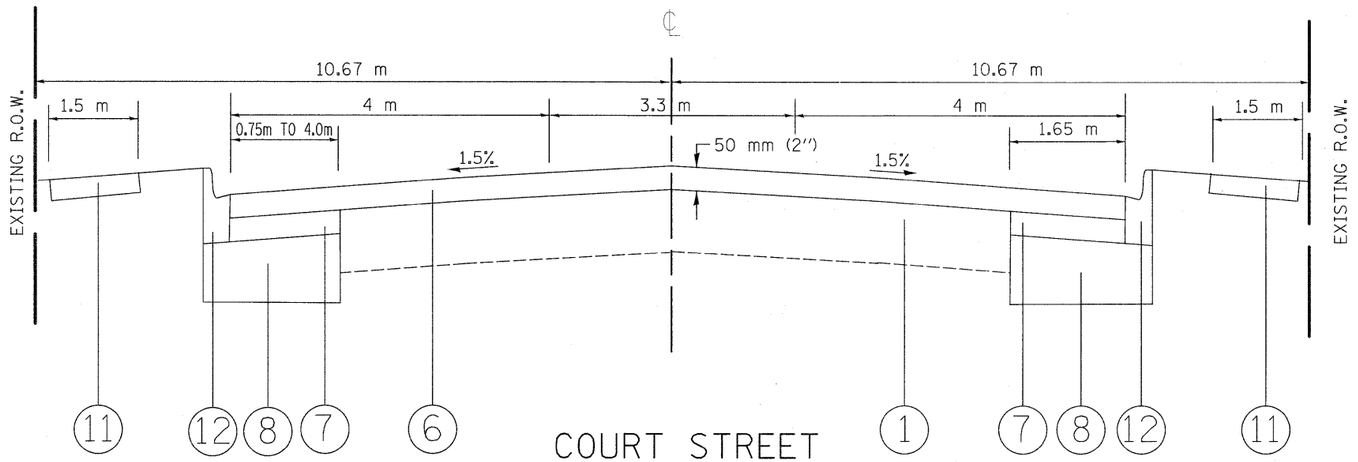
bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



COURT STREET

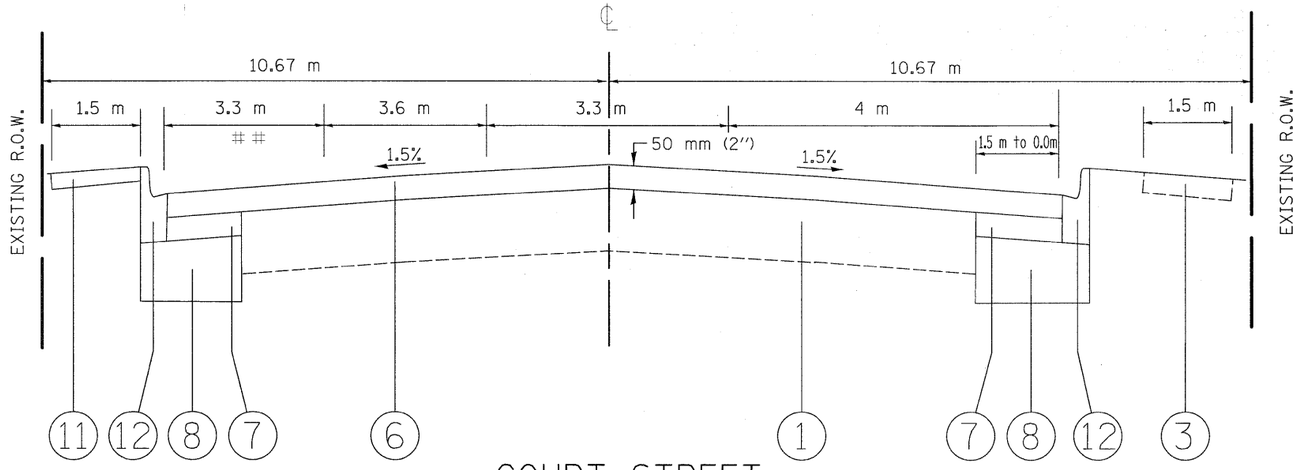
PROPOSED TYPICAL CROSS SECTION

STA. 3+450 TO STA. 3+500

LEGEND

1. EXISTING HMA PAVEMENT (+/-) 270MM
2. EXISTING AGGREGATE SHOULDER
3. EXISTING P.C.C. SIDEWALK
4. EXISTING CURB AND GUTTER B-15.30 (B-6.12)
5. PROPOSED HMA SURFACE REMOVAL ±50MM (2")
6. PROPSED HMA SURFACE COURSE, MIX D N70, 50MM (2")
7. PROPOSED HMA BASE COURSE WIDENING, 225MM (9")
8. PROPOSED AGGREGATE SUBGRADE 300MM (12")
9. PROPOSED HMA SHOULDER, 200MM (8")
10. PROPOSED AGGREGATE WEDGE SHOULDER TYPE B, 150MM (6")
11. PROPOSED P.C.C. SIDEWALK 125MM (5")
12. PROPOSED COMBINATION CURB AND GUTTER B-15.30 (B-6.12)

\# \# FROM STA. 3+623 TO STA. 3+650.5
VARIES FROM 4.25M TO 0.0M



COURT STREET

PROPOSED TYPICAL CROSS SECTION

STA. 3+550 TO STA. 3+650.5

NOTE: THE ADDITIONAL THICKNESS OF AGGREGATE REQUIRED UNDER THE SHOULDER WILL NOT BE PAID FOR SEPARATELY. IT IS INCLUDED IN THE COST OF **AGGREGATE SUBGRADE, 300 MM (SQ.M.).**

TO DRAIN THE AGGREGATE SUB GRADE 300 mm, PROVIDE 100 mm DIAMETER TRAVERSE PIPE UNDER DRAIN AT 90 METER SPACING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

COURT STREET

TYPICAL CROSS SECTION

SCALE: NONE DRAWN BY

DATE: 5/7/2011 CHECKED BY

5/7/2011
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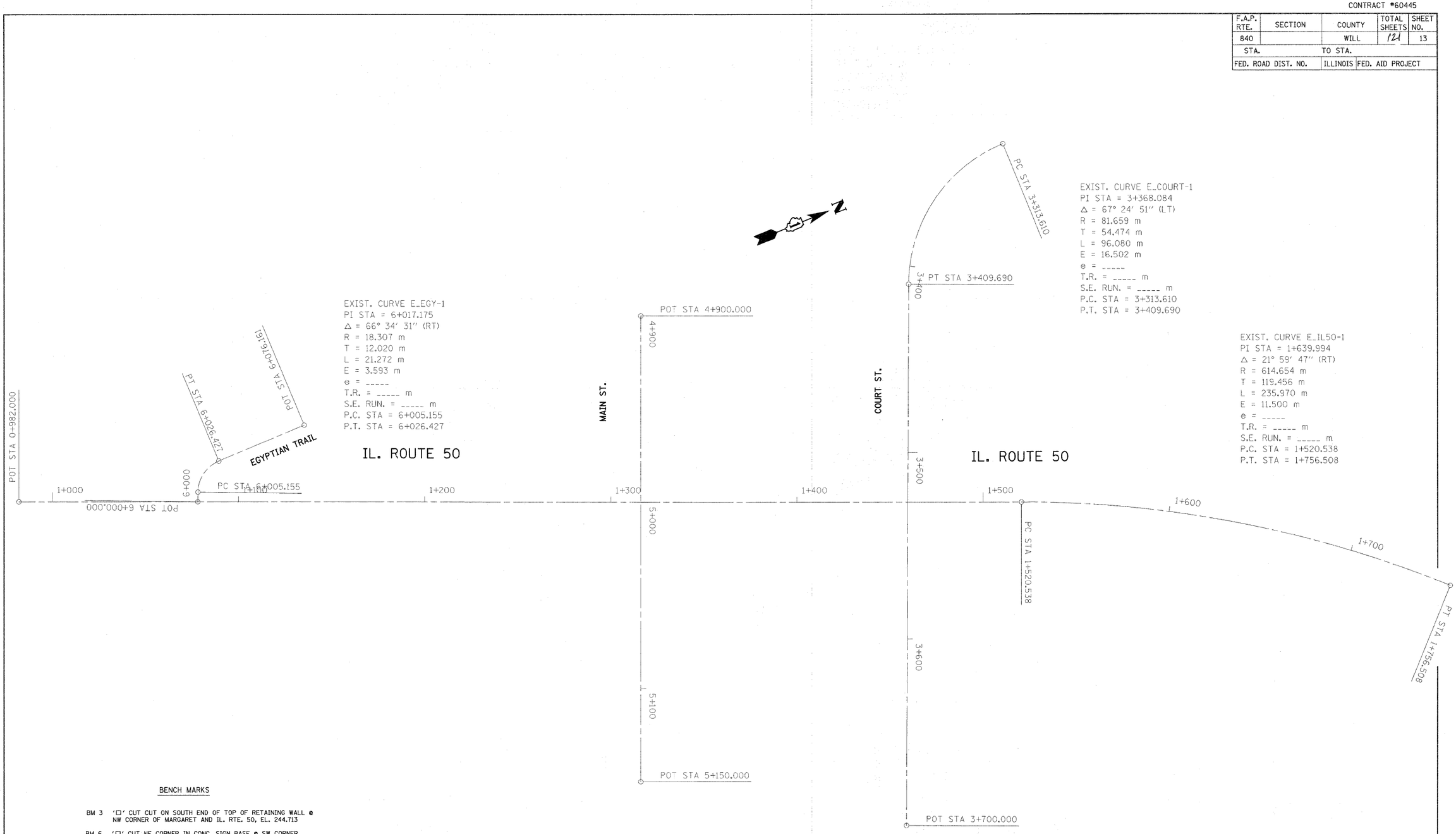
bauerdl

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



BENCH MARKS

BM 3 '□' CUT CUT ON SOUTH END OF TOP OF RETAINING WALL ℄ NW CORNER OF MARGARET AND IL. RTE. 50, EL. 244.713

BM 6 '□' CUT NE CORNER IN CONC. SIGN BASE ℄ SW CORNER S. GOVERNORS HWY (IL. RTE. 50) & W. COURT ST., EL. 246.325

BM 7 '□' CUT SE CORNER OF CONCRETE SIGN BASE ℄ NE CORNER S. GOVERNORS HWY (IL. RTE. 50) & W MAIN ST., EL. 248.130

BM 10 ON NW FLANGE BOLT ON FIRE HYDRANT ℄ WEST SIDE OF EGYPTIAN TRAIL AND IL. RTE. 50 BUSINESS 25964, EL. 242.802

BM 11 ON NW FLANGE BOLT ON FIRE HYDRANT ℄ NORTH SIDE OF COURT ST. AT BRIAR, EL. 246.020

BM 13 ON NE FLANGE BOLT ON FIRE HYDRANT ℄ NE CORNER OF COURT ST. AND CHESTNUT, EL. 246.547

BM 14 ON NW FLANGE BOLT ON FIRE HYDRANT ℄ NW CORNER OF MAIN ST. AND CHESTNUT, EL. 245.879

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE. 50 AT MAIN ST. & COURT ST.
ALIGNMENT & TIES PLAN

SCALE 1:1000 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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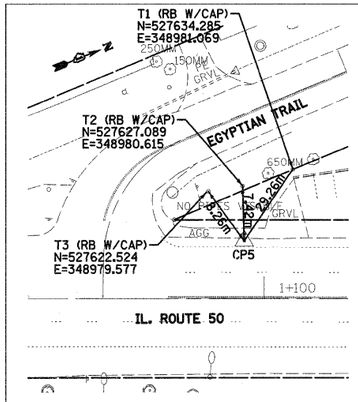
bauerdl

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

TIES



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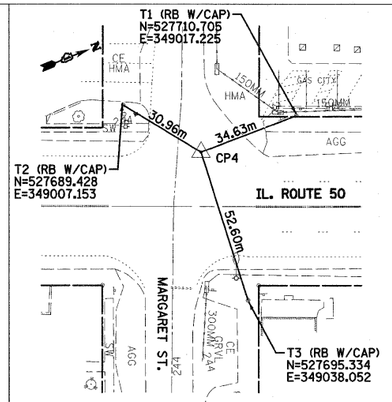

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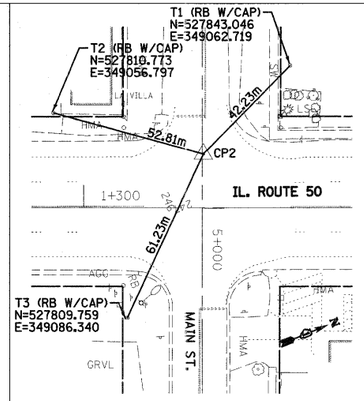

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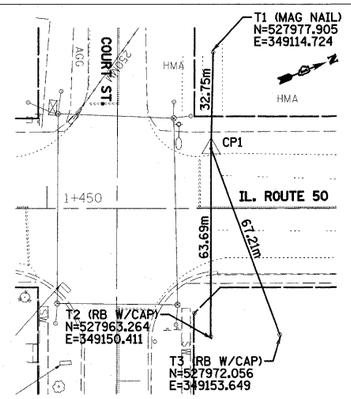

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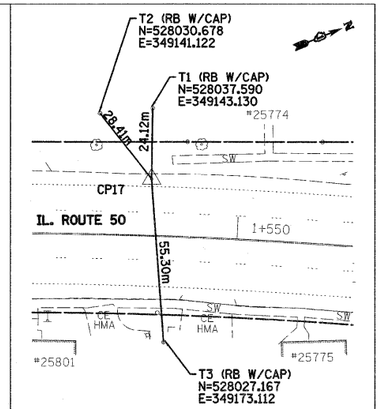

IL ROUTE 50 STA 1+538.03
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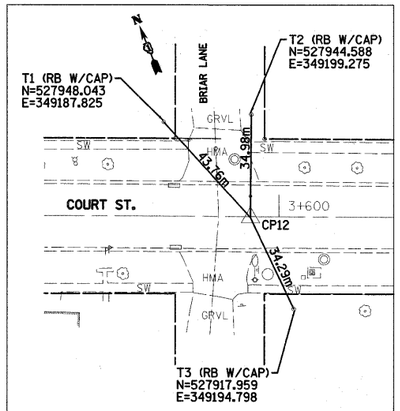
Z =244.840



COURT ST STA 3+596.14
CP #12 - MAG NAIL
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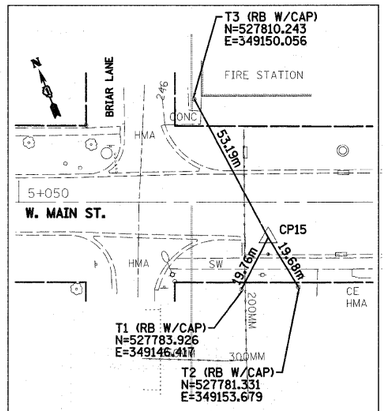

MAIN ST STA 5+083.90
CP #15 - MAG NAIL
N=527789.097
E=349152.393
Z=245.323

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE. 50 AT MAIN ST. & COURT ST.
ALIGNMENT & TIES PLAN

SCALE 1:1000 DRAWN BY
DATE 5/11/2011 CHECKED BY

5/11/2011
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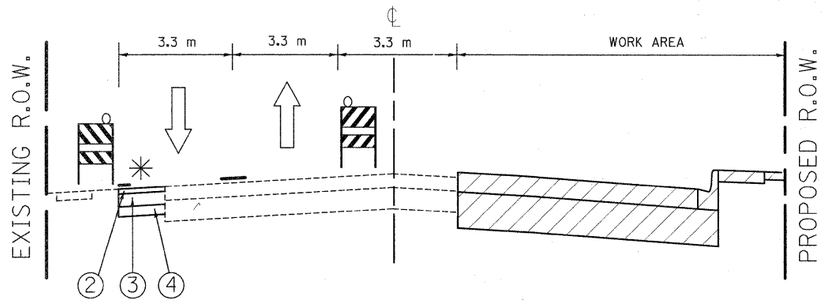
bauerdf

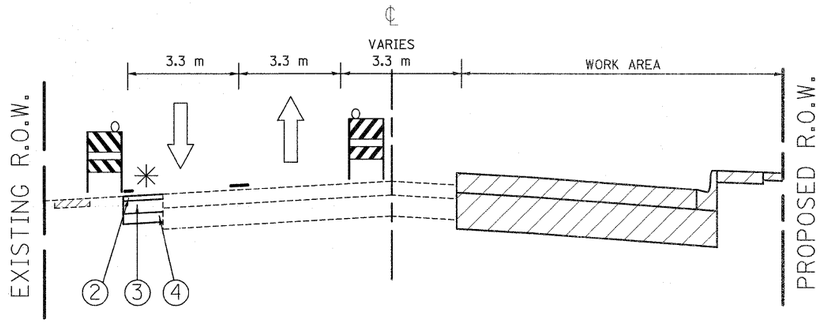
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	15
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



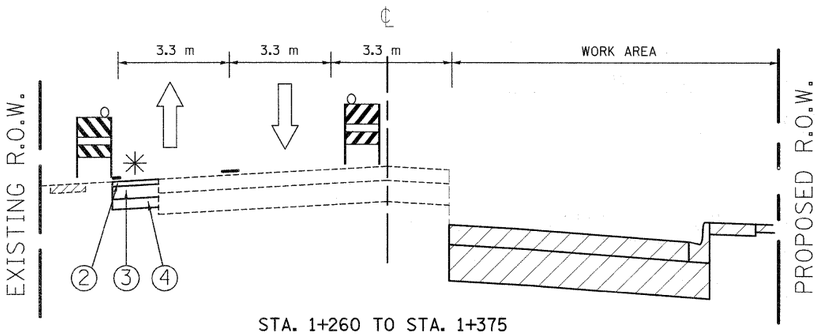
STA. 1+160 TO STA. 1+260

STAGE I



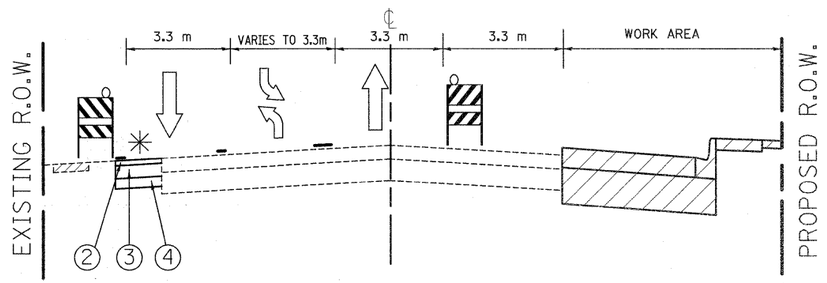
STA. 1+375 TO STA. 1+396.2

STAGE I



STA. 1+260 TO STA. 1+375

STAGE I



STA. 1+396.2 TO STA. 1+534

STAGE I

✳ TEMPORARY WIDENING

(1) EARTH WORK EXCAVATION, 258 mm (10 1/4")

(2) HMA SURFACE COURSE, MIX "D", N50, 38 mm (1 1/2")

(3) HMA BINDER, IL-19, N70, 120 mm (4.75")

(4) SUB-BASE GRANULAR MATERIAL, TYPE B, 100 mm (4")

NOTE: WIDTH VARIES (1M TO 1.75M)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL-50

TYPICAL CROSS SECTIONS FOR SUGGESTED CONSTRUCTION STAGING

STAGE I

SCALE: DRAWN BY

DATE: 8/17/2011 CHECKED BY

8/17/2011
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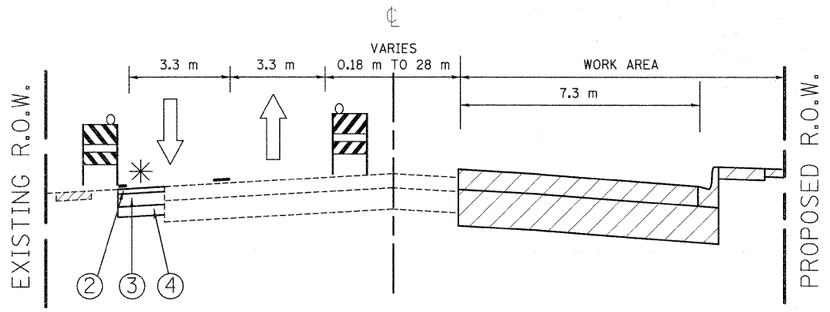
bauerdl

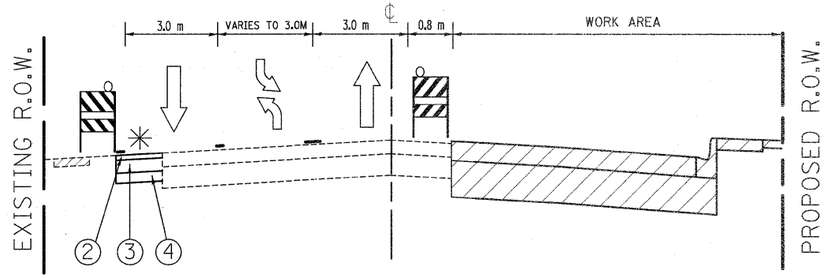
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



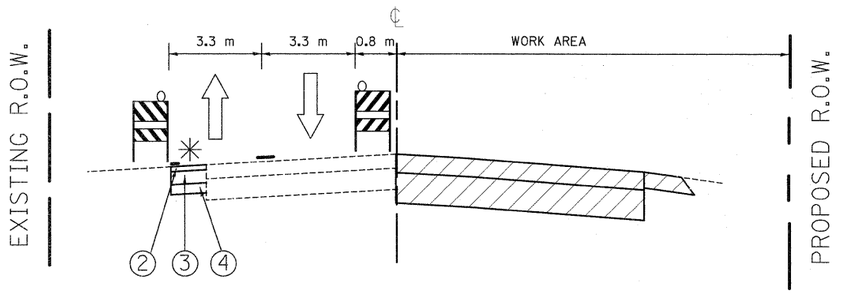
STA. 1+534 TO STA. 1+600

STAGE I



STA. 1+396.2 TO STA. 1+534

STAGE IA



STA. 1+600 TO STA. 1+640

STAGE I

✳ TEMPORARY WIDENING

(1) EARTH WORK EXCAVATION, 258 mm ($10\frac{1}{4}$")

(2) HMA SURFACE COURSE, MIX "D", N50, 38 mm ($1\frac{1}{2}$")

(3) HMA BINDER, IL-19, N70, 120 mm (4.75")

(4) SUB-BASE GRANULAR MATERIAL, TYPE B, 100 mm (4")

NOTE: WIDTH VARIES (1M TO 1.75M)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL-50

TYPICAL CROSS SECTIONS FOR SUGGESTED CONSTRUCTION STAGING

STAGE I & STAGE IA

SCALE: DRAWN BY

DATE: 8/17/2011 CHECKED BY

8/17/2011
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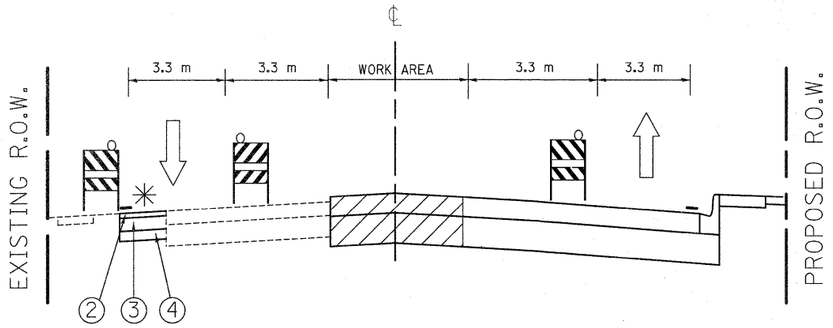
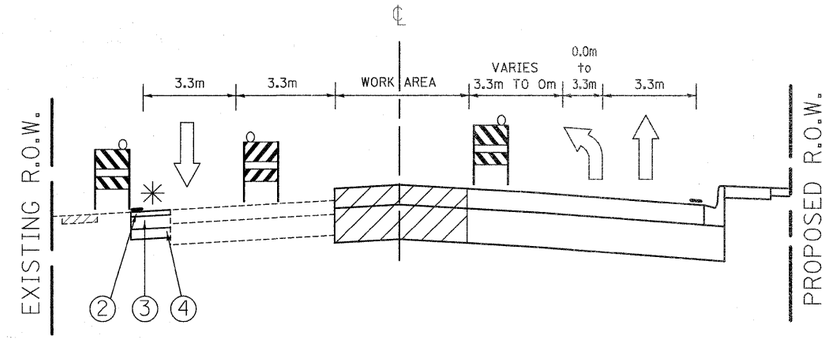
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



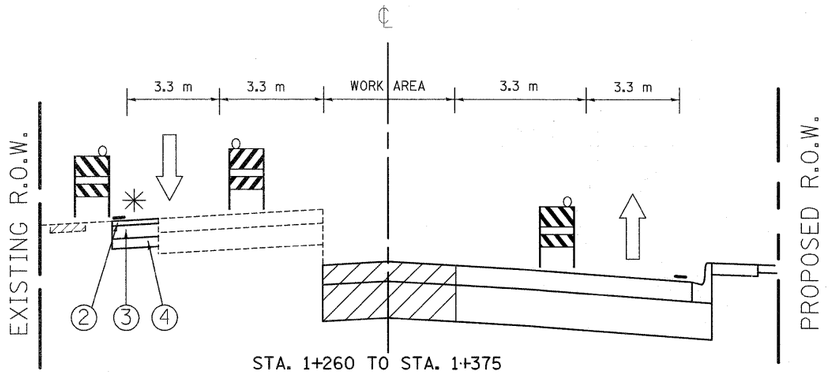
STA. 1+160 TO STA. 1+260

STAGE II



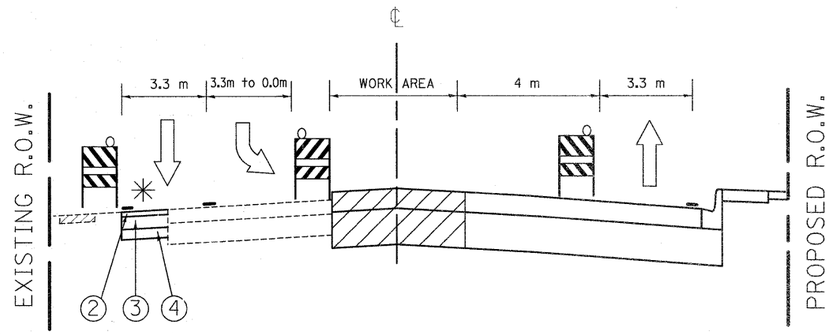
STA. 1+375 TO STA. 1+455

STAGE II



STA. 1+260 TO STA. 1+375

STAGE II



STA. 1+455 TO STA. 1+600

STAGE II

✳ TEMPORARY WIDENING

(1) EARTH WORK EXCAVATION, 258 mm (10¼")

(2) HMA SURFACE COURSE, MIX "D", N50, 38 mm (1½")

(3) HMA BINDER, IL-19, N70, 120 mm (4.75")

(4) SUB-BASE GRANULAR MATERIAL, TYPE B, 100 mm (4")

NOTE: WIDTH VARIES (1M TO 1.75M)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL-50

TYPICAL CROSS SECTIONS FOR SUGGESTED CONSTRUCTION STAGING

STAGE II

SCALE: DRAWN BY

DATE: 8/17/2011 CHECKED BY

8/17/2011
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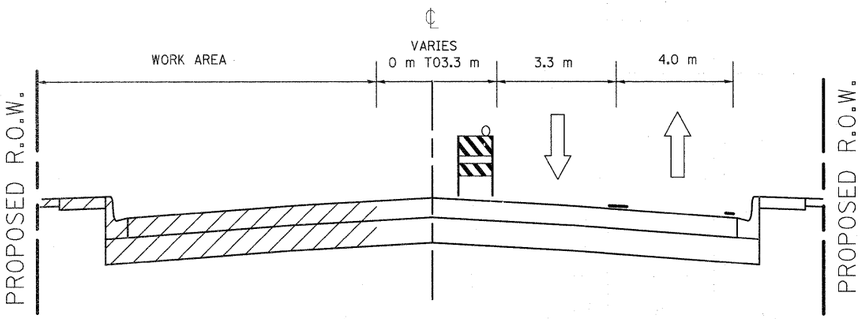
bauerdl

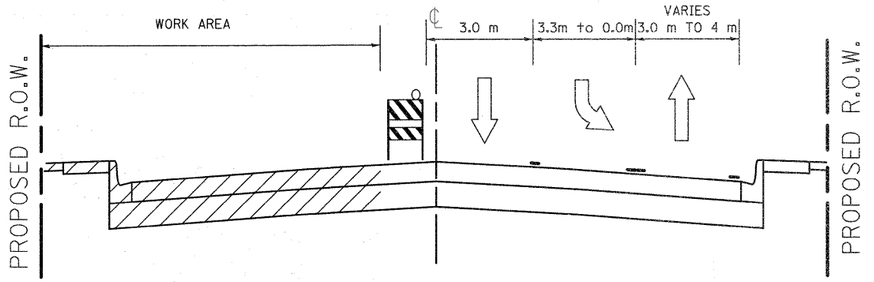
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	18
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. - 60445



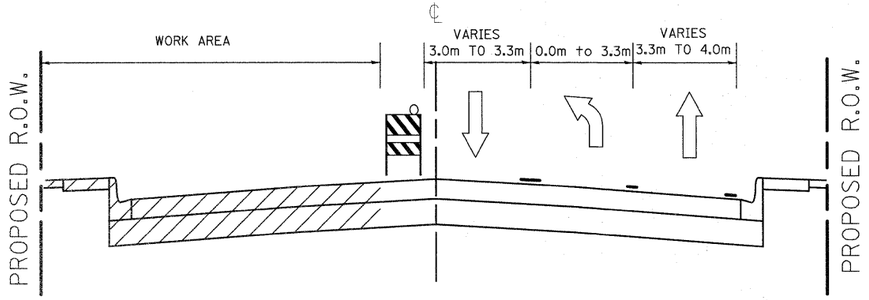
STA. 1+160 TO STA. 1+316

STAGE III



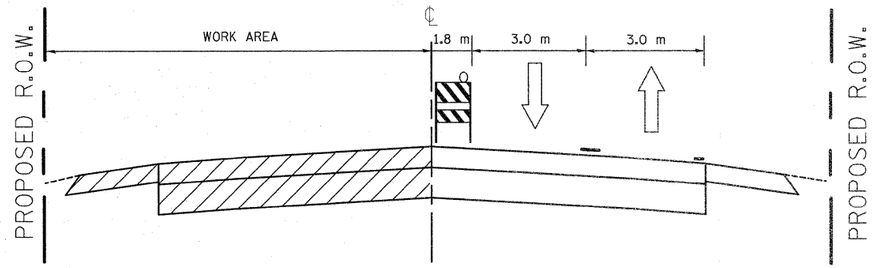
STA. 1+459 TO STA. 1+600

STAGE III



STA. 1+316 TO STA. 1+459

STAGE III



STA. 1+600 TO STA. 1+640

STAGE III

✳ TEMPORARY WIDENING

(1) EARTH WORK EXCAVATION, 258 mm ($10^{1}/_{4}$'')

(2) HMA SURFACE COURSE, MIX ''D'', N50, 38 mm ($1^{1}/_{2}$'')

(3) HMA BINDER, IL-19, N70, 120 mm (4.75'')

(4) SUB-BASE GRANULAR MATERIAL, TYPE B, 100 mm (4'')

NOTE: WIDTH VARIES (1M TO 1.75M)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL-50

TYPICAL CROSS SECTIONS FOR SUGGESTED CONSTRUCTION STAGING

STAGE III

SCALE: DRAWN BY

DATE: 8/17/2011 CHECKED BY

8/17/2011
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	19
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

STAGES OF CONSTRUCTION AND TRAFFIC CONTROL

GENERAL NOTES

1. THE STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN SHOWN FOR THIS CONTRACT SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS FOR CONSTRUCTION NEEDS.THE CONTRACTOR'S PROPOSED TRAFFIC CONTROL PLANS/REVISIONS SHALL BE SUBMITTED IN ADVANCE FOR THE APPROVAL OF THE ENGINEER.

2. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH TRAFFIC LANE IN EACH DIRECTION TROUGH THE PROJECT AREA AT ALL TIMES. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS,AND AS DIRECTED BY THE ENGINEER.

3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. EXISTING STOP SIGNS AND HIGHWAY SIGNS ALONG ILLINOIS ROUTE 50 AT COURT STREET SHALL BE RELOCATED TO CONTROL THE TRAFFIC FOR THE VARIOUS STAGES OF CONSTRUCTION AS SHOWN ON THE STAGING PLANS OR AS DIRECTED BY THE ENGINEER.

4. ALL DRIVEWAYS AND SIDEWALKS TO HOUSES AND BUSINESSES AND CROSSROADS SHALL REMAIN IN SERVICE THROUGHOUT THE LIFE OF THIS CONTRACT AND SHALL BE CONSTRUCTED IN STAGES, AS SHOWN ON THE CONSTRUCTION STAGING PLANS AND DISTRICT DETAILS FOR TEMPORARY ACCESS DRIVES AND SIDE STREETS. NO RESIDENTIAL OR COMMERCIAL DRIVEWAYS SHALL BE CLOSED OR REMOVED FROM SERVICE WITHOUT PRIOR APPROVAL OF ENGINEER. STORM SEWER SYSTEMS AND DITCHES SHALL BE MAINTAINED AT ALL TIMES EXCEPT AT PERIODS OF CONNECTING TO THE PROPOSED STORM SEWER LINES. ALL COMMERCIAL ENTRANCES SHALL HAVE "ENTRANCE" SIGN THROUGH OUT THE CONSTRUCTION DURATION.

5. THE CONTRACTOR SHALL PROVIDE ALL BARRIERS, SIGNS AND TEMPORARY SIGNALS NECESSARY FOR THE MAINTENANCE OF TRAFFIC, UNLESS IDENTIFIED IN THE SPECIAL PROVISIONS. "STOP HERE ON RED" AND DO NOT PASS" SIGNS SHALL BE USED AS NECESSARY AS DIRECTED BY THE ENGINEER.

6. REMOVE EXISTING PAVEMENT MARKINGS IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION PLANS AND SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL, SQUARE METER TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED FOR ALL LOCATIONS AS SHOWN ON THE CONSTRUCTION STAGING PLANS OR AS DIRECTED BY THE ENGINEER.TEMPORARY PAVEMENT MARKING TAPE. TYPE III SHALL BE USED ON FINISHED SURFACES AND ON THE APPROACHES TO THE CONSTRUCTION AREA.

7. TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:
   $L = WS^2/150$
   WHERE L = TAPER LENGTH IN METERS
   W= WIDTH OF OFFSET IN METERS
   S = POSTED SPEED IN K.P.H.

8. ADEQUATE TURNING RADII FOR VEHICLES, INCLUDING TRUCKS AND BUSES SHALL BE MAINTAINED AT ALL INTERSECTIONS DURING CONSTRUCTION OPERATIONS.

9. CHANGEABLE MESSAGE SIGNS SHALL BE USED AND ITS PLACEMENT SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR AS "CHANGEABLE MESSAGE SIGN" PER CALENDAR MONTH.

10. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE STATE OF ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SHALL BE IN PLACE BEFORE ANY WORK IS STARTED.

11. BARRICADES/DRUMS SPACING TO BE AS FOLLOWS:
    TAPERS - 7.5 m OR 15 m C-C SPACING
    MAINLINE - 15 m C-C SPACING
    COMMERCIAL DRIVEWAY AND SIDEROAD RETURNS - 3 m C-C SPACING

12. ALL TEMPORARY PAVEMENT MARKINGS AND REMOVAL WILL BE PAID FOR SEPARATELY ACCORDING TO THE APPLICABLE PAY ITEMS SHOWN IN THE SUMMARY OF QUANTITIES.

13. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY TRAFFIC SIGNALS AT ILL. ROUTE 50 AND COURT STREET INTERSECTION.

14. THE REMOVAL OF THE TEMPORARY PAVEMENT WIDENING SHALL BE PAID AS PAVEMENT REMOVAL.

15. TYPE I OR II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PLACED AT 15 m CENTER TO CENTER INTERVALS ALONG ROADWAY, 7.5 m CENTER TO CENTER INTERVALS WITHIN THE TAPER SECTIONS AND AT 4 m INTERVALS FOR RADII AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

16. 100 mm SOLID WHITE LINES SHALL BE USED TO DEFINE OUTSIDE LANE LINES DURING MAINTENANCE OF TRAFFIC WHERE NO CURB AND GUTTER EXIST.

17. A DOUBLE SOLID 100 mm YELLOW LINE AT 280 mm SHALL BE USED TO SEPARATE OPPOSING TRAFFIC.

18. TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PROVIDED ALONG ALL OF THE ROADWAY CENTER LINES DURING ALL PHASES OF CONSTRUCTION. THE MARKERS SHALL BE YELLOW AND SPACED 15 m CENTER TO CENTER.

19. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION PROTECTION FOR THE DURATION OF THIS PROJECT.

20. SIDE STREETS WILL BE CONSTRUCTED UTILIZING ALTERNATE STREET CLOSURES.

21. THE CONTRACTOR SHALL INFORM THE VILLAGE OF MONEE POLICE DEPT., FIRE DEPT., AND PUBLIC WORKS DEPT OF ROAD CLOSURES AT LEAST 48 HOURS IN ADVANCE OF ANTICIPATED CLOSURE TIMES. IN ADDITION, THE TRANSPORTATION DEPT. OF THE LOCAL SCHOOL SYSTEMS SHALL BE KEPT INFORMED OF ANTICIPATED ROAD CLOSURE SCHEDULES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILL. RTE. 50
STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
GENERAL NOTES

SCALE 1:500 DRAWN BY
DATE 5/11/2011 CHECKED BY

5/11/2011
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bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

IL. 50 @ COURT ST.
STAGING & OPERATION OF SEQUENCE

• PRE-STAGE TO STAGING CONSTRUCTION:

① REMOVE THE TREES AS MARKED ON THE PLANS & AS DIRECTED BY THE ENGINEER, ON IL. 50, COURT ST. & MAIN ST.

② CONSTRUCT ALL THE PROPOSED STORM SEWERS, DRAINAGE STRUCTURES & LATERALS ON THE MAINLINE (IL. 50), COURT ST. & MAIN ST.

③ REMOVE EXISTING AGGREGATE SHOULDER FOR PROPOSED TEMPORARY PAVEMENT ON MAINLINE (IL. 50) WEST SIDE.

④ CONSTRUCT TEMPORARY WIDENING ON WEST SIDE OF EXISTING IL. 50 (NORTHBOUND).

⑤ MAINTAIN THE EXISTING TRAFFIC IN ACCORDANCE WITH STD. 701326. ANY OPERATION WHICH REQUIRES LANE CLOSURE SHALL BE DONE IN ACCORDANCE WITH STDS. 702101, 701606 & 701701.

⑥ REPLACE EXISTING PAVEMENT MARKINGS WITH STAGE I PAVEMENT MARKINGS, SIGNING & BARRICADING.

⑦ INSTALL TEMPORARY EROSION CONTROL MEASURES ALONG IL. 50.

⑧ MAINTAIN THE EXISTING TRAFFIC ON THE SOUTHBOUND LANES OF IL. 50.

⑨ PLACE PAVEMENT MARKERS, IN ALL TEMPORARY STRIPING, SIGNING & BARRICADES BEFORE CONSTRUCTION ON STAGE I BEGINS.

• STAGE I (IL. 50): RECONSTRUCTION

① SHIFT IL. 50 TRAFFIC TO THE WEST AS SHOWN ON PLANS AND AS STAGING TYPICAL CROSS SECTIONS.

② REMOVE THE EXISTING PAVEMENT AS SHOWN ON STAGE I PLAN & TYPICAL CROSS SECTION OF IL. 50 (EAST SIDE).

③ DO EARTHWORK (CUT & FILL) AS DIRECTED BY THE ENGINEER & AS SHOWN ON THE CROSS SECTIONS.

④ CONSTRUCT COMB. CONC. CURB & GUTTER, P.C.C. SIDEWALK & HMA PAVEMENT AS FOLLOWS

- REMOVAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT AS SHOWN ON THE TYPICAL X-SECTION 150 mm (6") (STA. 1+160 TO STA. 1+265 ONLY)
- AGGREGATE SUBGRADE, 300 mm (12")
- HMA BINDER COURSE, IL-19, N70, 275 mm (11")

⑤ PROVIDE TEMPORARY SEEDING FOR AREAS OF WORK.

⑥ PLACE TEMPORARY PAVEMENT MARKING AS PER STAGING PLAN.

⑦ MAINTAIN TRAFFIC AS DIRECTED ON STAGE I. ANY OPERATION WHICH REQUIRES LANE CLOSURE SHALL BE DONE IN ACCORDANCE WITH STDS. 701201, 701701 & 701606.

• STAGE IA (IL. 50): RECONSTRUCTION

① MAINTAIN THE TRAFFIC FLOW SAME AS IN STAGE I.

② CONSTRUCT THE REMAINING PORTION FROM STA. 1+534 TO STA. 1+396.2 AS PER PLAN & AS DIRECTED BY ENGINEER.

STAGE I (COURT ST.): WIDENING & RESURFACING

- MAINTAIN THE EXISTING TRAFFIC IN BOTH DIRECTIONS.
- CONSTRUCT ALL OF THE PROPOSED STORM SEWER, STORM LATERALS & DRAINAGE STRUCTURES ON EAST SIDE OF THE ROAD.
- CONSTRUCT COMB. CONC. CURB & GUTTER
- AGGREGATE SUBGRADE, 300 mm (12")
- HMA BASE COURSE WIDENING, 225 mm (9")
- ANY OPERATION WHICH REQUIRES LANE CLOSURE SHALL BE DONE IN ACCORDANCE WITH STDS. 701201, 701701 & 701606.

• STAGE I (MAIN ST.): RECONSTRUCTION

- CLOSE THE MAIN ST. EAST LEG FROM STA. 5+000 TO STA. 5+080 AND RECONSTRUCT AS PER PLAN & TYPICAL CROSS SECTION AS FOLLOWS.
- REMOVE THE EXIST. CURB & GUTTER.
- REMOVE THE EXIST. PAVEMENT AS PER EXIST. ROADWAY PLAN & STAGING PLAN.
- THE EARTHWORK (CUT & FILL) AS PER DETAIL CROSS SECTION & AS DIRECTED BY ENGINEER.
- CONSTRUCT COMB. CONC. CURB & GUTTER.
- AGGREGATE SUB-GRADE, 300 mm (12")
- HMA BINDER COURSE, 225 mm (9")
- HMA SURFACE COURSE MIX. "D", N70, 50 mm (2")
- PLACE THERMOPLASTIC PAVEMENT MARKING AS PER PLAN & AS DIRECTED BY ENGINEER AND STAGING PLAN.

IL. 50 @ COURT ST.

• STAGE II (IL. 50):

① REPLACE STAGE I PAVEMENT MARKING, SIGNING & BARRICADING WITH STAGE II TRAFFIC CONTROL PLAN & STAGING TYPICAL SECTION PLAN.

② SWITCH THE TRAFFIC AS SUGGESTED ON STAGE II PLAN BEFORE STARTING THE CONSTRUCTION.

③ EXTEND THE PROPOSED DRAINAGE LATERALS.

④ CONSTRUCT COMB. CONC. CURB & GUTTER, P.C.C. SIDEWALK & HMA PAVEMENT AS FOLLOWS

- REMOVAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT AS SHOWN ON THE TYPICAL X-SECTION 150 mm (6") (STA. 1+160 TO STA. 1+265 ONLY)
- AGGREGATE SUBGRADE, 300 mm (12")
- HMA BINDER COURSE, 275 mm (11")

STAGE IIA (IL. 50):

① MAINTAIN THE TRAFFIC SAME AS STAGE II.

② CONSTRUCT THE GAP OF PAVEMENT IN STAGE II AT INTERSECTION AS SHOWN ON STAGING PLAN & AS DIRECTED BY ENGINEER.

STAGE II (COURT ST.): WIDENING RESURFACING

- MAINTAIN THE EXISTING TRAFFIC IN BOTH DIRECTIONS.
- CONSTRUCT ALL OF THE PROPOSED STORM SEWER, STORM LATERAL & DRAINAGE STRUCTURES ON WEST SIDE OF THE ROAD.
- CONSTRUCT COMB. CONC. CURB & GUTTER
- AGGREGATE SUBGRADE, 300 mm (12")
- HMA BINDER COURSE, IL-19, N70, 150 mm (6")
- ANY OPERATION WHICH REQUIRES LANE CLOSURE SHALL BE DONE IN ACCORDANCE WITH STDS. 701201, 701701 & 701606.

STAGE II (MAIN ST.):

- MAINTAIN THE TRAFFIC CONTROL AS SHOWN ON STAGE I.
- PLACE SIGNING & BARRICADING AS SHOWN ON STAGING PLAN.

• STAGE III (IL. 50): RECONSTRUCTION

① REPLACE STAGE I & II TEMPORARY PAVEMENT MARKING, SIGNING & BARRICADING AS SHOWN ON STAGE III PLAN AND SWITCH THE TRAFFIC TO EAST SIDE OF THE ROAD.

② DO EARTHWORK (CUT & FILL) AS SHOWN ON CROSS SECTIONS & AS DIRECTED BY ENGINEER.

③ PROVIDE TEMPORARY SEEDING FOR AREAS OF WORK.

④ CONSTRUCT COMB. CONC. CURB & GUTTER, P.C.C. SIDEWALK & HMA PAVEMENT AS FOLLOWS

- REMOVAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT AS SHOWN ON THE TYPICAL X-SECTION 150 mm (6") (STA. 1+160 TO STA. 1+265 ONLY)
- AGGREGATE SUBGRADE, 300 mm (12")
- HMA BINDER COURSE, 275 mm (11")

⑤ PROVIDE TEMPORARY SEEDING FOR AREAS OF WORK.

⑥ PLACE TEMPORARY PAVEMENT MARKING AS PER STAGING PLAN.

⑦ MAINTAIN TRAFFIC AS DIRECTED ON STAGE III. ANY OPERATION WHICH REQUIRES LANE CLOSURE SHALL BE DONE IN ACCORDANCE WITH STDS. 701201, 701701 & 701606.

• STAGE IIIA (IL. 50): RECONSTRUCTION

① MAINTAIN THE TRAFFIC FLOW SAME AS IN STAGE III.

② CONSTRUCT THE REMAINING PORTION AT INTERSECTION OF IL. 50 & COURT ST. AS SHOWN ON STAGING PLAN & AS DIRECTED BY ENGINEER.

STAGE III (COURT ST.):

- MAINTAIN THE TRAFFIC AS SHOWN ON STAGE III PLAN. SIGNING, BARRICADING & PAVEMENT MARKING STAYS DUE TO DROP OFF.

STAGE III (MAIN ST.): RECONSTRUCTION

- CLOSE THE MAIN ST. WEST LEG FROM STA. 4+920 TO STA. 5+000 AND RECONSTRUCT AS PER PLAN & TYPICAL CROSS SECTION AS FOLLOWS.
- REMOVE THE EXISTING PAVEMENT AS PER EXISTING ROADWAY PLAN & STAGING PLAN.
- EARTHWORK (CUT & FILL) AS PER DETAIL CROSS SECTION & AS DIRECTED BY ENGINEER.
- AGGREGATE SUB-GRADE, 300 mm (12")
- HMA BINDER COURSE, 225 mm (9")
- HMA SURFACE COURSE MIX. "D", N70, 50 mm (2")
- PLACE THERMOPLASTIC PAVEMENT MARKING AS PER PLAN & AS DIRECTED BY ENGINEER.

STAGE IV (IL. 50 @ COURT ST.):

- HMA SURFACE REMOVAL 50 mm (2") ON COURT ST. ONLY
- HMA SURFACE COURSE, MIX "D", N70, 50 mm (2") FULL WIDTH ON IL-50 @ COURT ST.
- PAVEMENT MARKING WILL PERFORMED USING STD. 701311 ON MAIN ST. AND STD. 701426 ON IL-50 & COURT ST.
- TRAFFIC SIGNAL INSTALLATION WILL BE PERFORMED USING STD. 701701.
- SIDEWALK CLOSURE WILL BE ACCOMPLISHED USING STD. 701801.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. 50 AT COURT ST.
STAGING & OPERATION OF SEQUENCE

DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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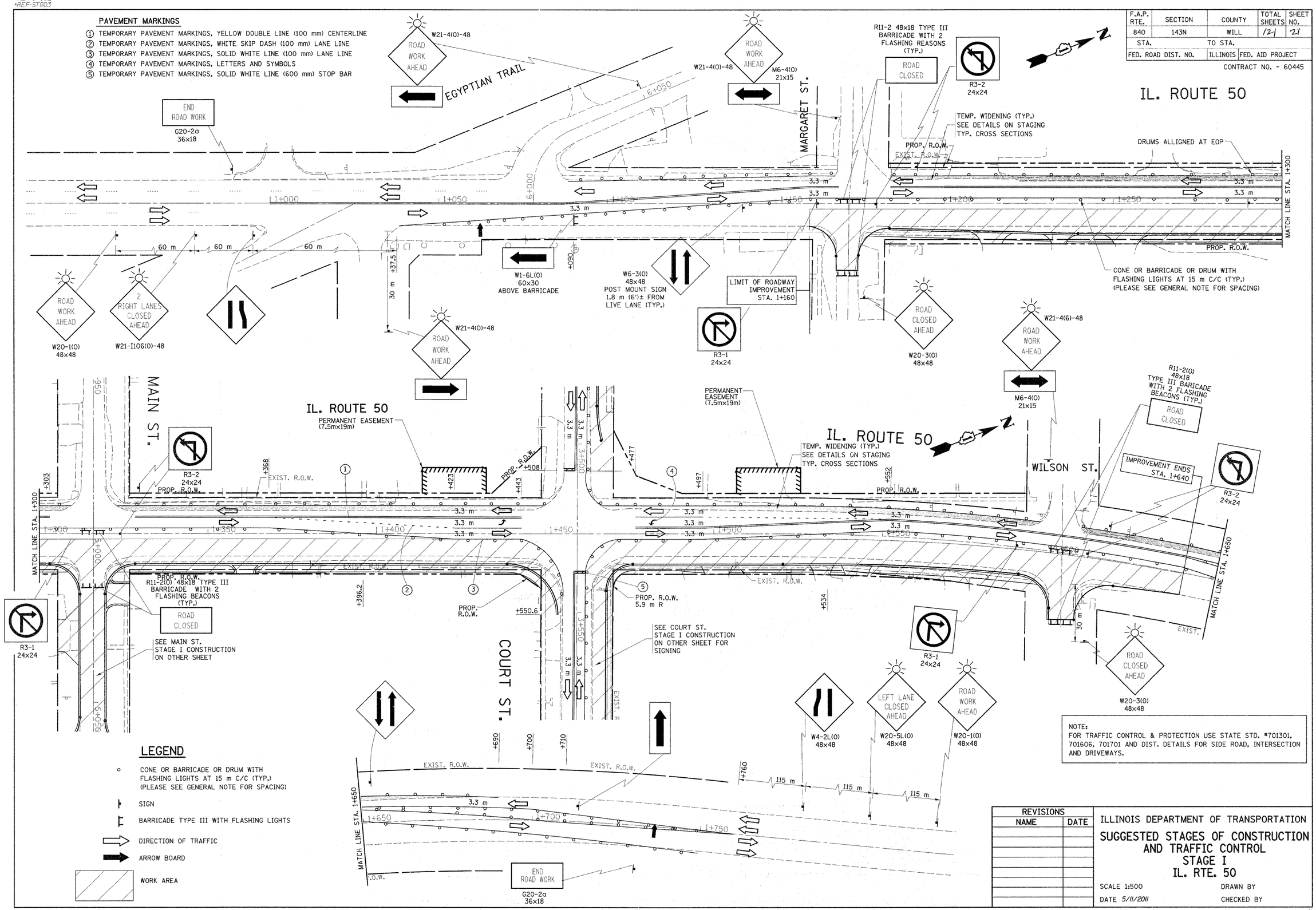
*REF-STG01
*REF-STG02
*REF-STG03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	12	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

PAVEMENT MARKINGS

1. TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
2. TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
3. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
4. TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
5. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR



LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE I IL. RTE. 50

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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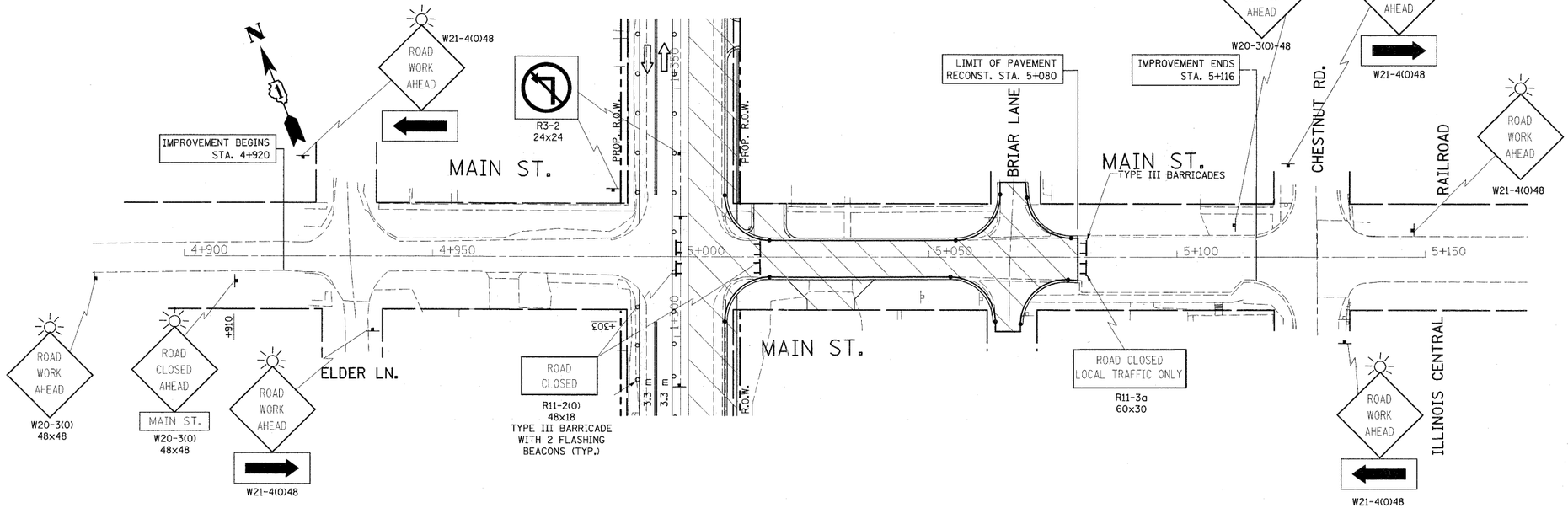
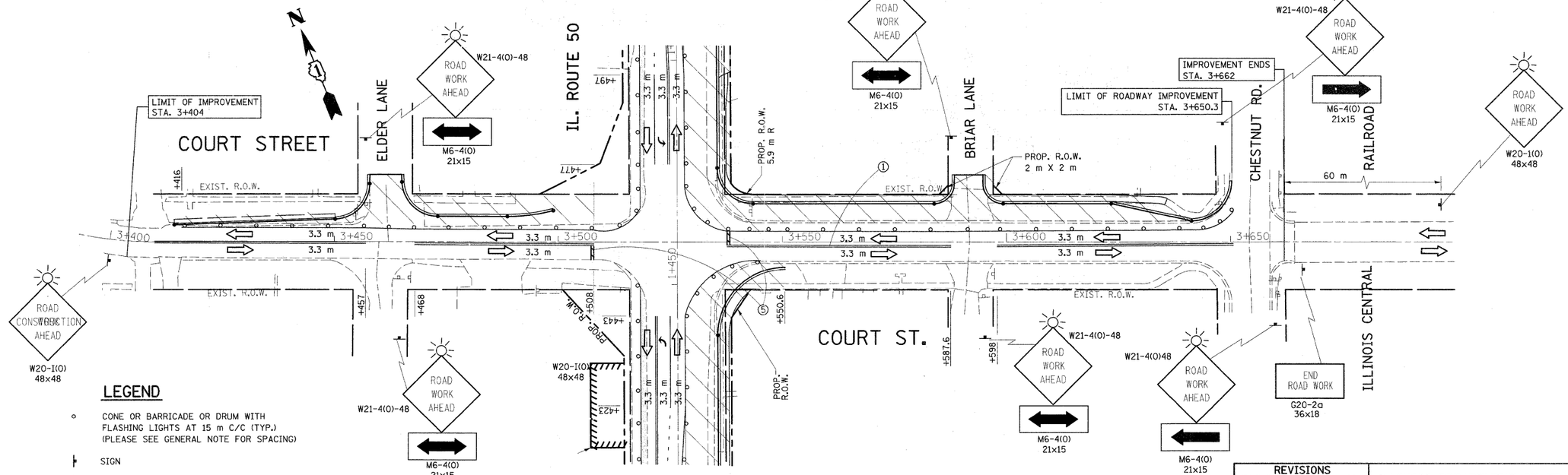
*REF-STG04
*REF-STG05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445





LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

PAVEMENT MARKINGS

1. TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
2. TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
3. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
4. TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
5. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE I MAIN ST. AND COURT ST.

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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*REF-ST001
*REF-ST002
*REF-ST003

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT # 60448

IL. ROUTE 50

EGYPTIAN TRAIL

MARGARET ST

MAIN ST.

COURT ST.

WILSON ST.

PROJECT BEGINS STA. 1+013

END ROAD WORK
G-20-2a
36x18

ROAD WORK AHEAD
W21-4(0)-48

2 RIGHT LANES CLOSED AHEAD
W21-I106(0)-48

W20-1(0)
48x48

W1-6L(0)
60x30
ABOVE BARRICADE

W6-3(0)
48x48
POST MOUNT SIGN
1.8 m (6')± FROM
LIVE LANE (TYP.)

LIMIT OF ROADWAY IMPROVEMENT
STA. 1+160

TEMP. WIDENING (TYP.)
SEE DETAILS ON STAGING
TYP. CROSS SECTIONS

PROP. R.O.W.

CONE OR BARRICADE OR DRUM WITH
FLASHING LIGHTS AT 15 m C/C (TYP.)
(PLEASE SEE GENERAL NOTE FOR SPACING

MATCH LINE STA. 1+300

PERMANENT EASEMENT
(7.5mx19m)

R3-2
24X24

ROAD CLOSED AHEAD
LOCAL TRAFFIC ONLY
R11-3(0)
60x30
TYPE III BARRICADE

R-11-2(0) 48x18
TYPE III BARRICADE
WITH 2 FLASHING
BEACONS (TYP.)

ROAD CLOSED

ROAD CLOSED AHEAD
W20-3(0)
48x48

W4-2L(0)
48x48

LEFT LANE CLOSED AHEAD
W20-5L(0)
48x48

W20-1(0)
48x48

IMPROVEMENT ENDS
STA. 1+640

ADVANCE SIGNING AS
PER STATE STD. 701606

MATCH LINE STA. 1+650

EXIST.

EXIST. R.O.W.

G20-2a, 36x18
END
ROAD WORK

PAVEMENT MARKINGS

① TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
② TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
③ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
⑤ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE IA IL. RTE. 50

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

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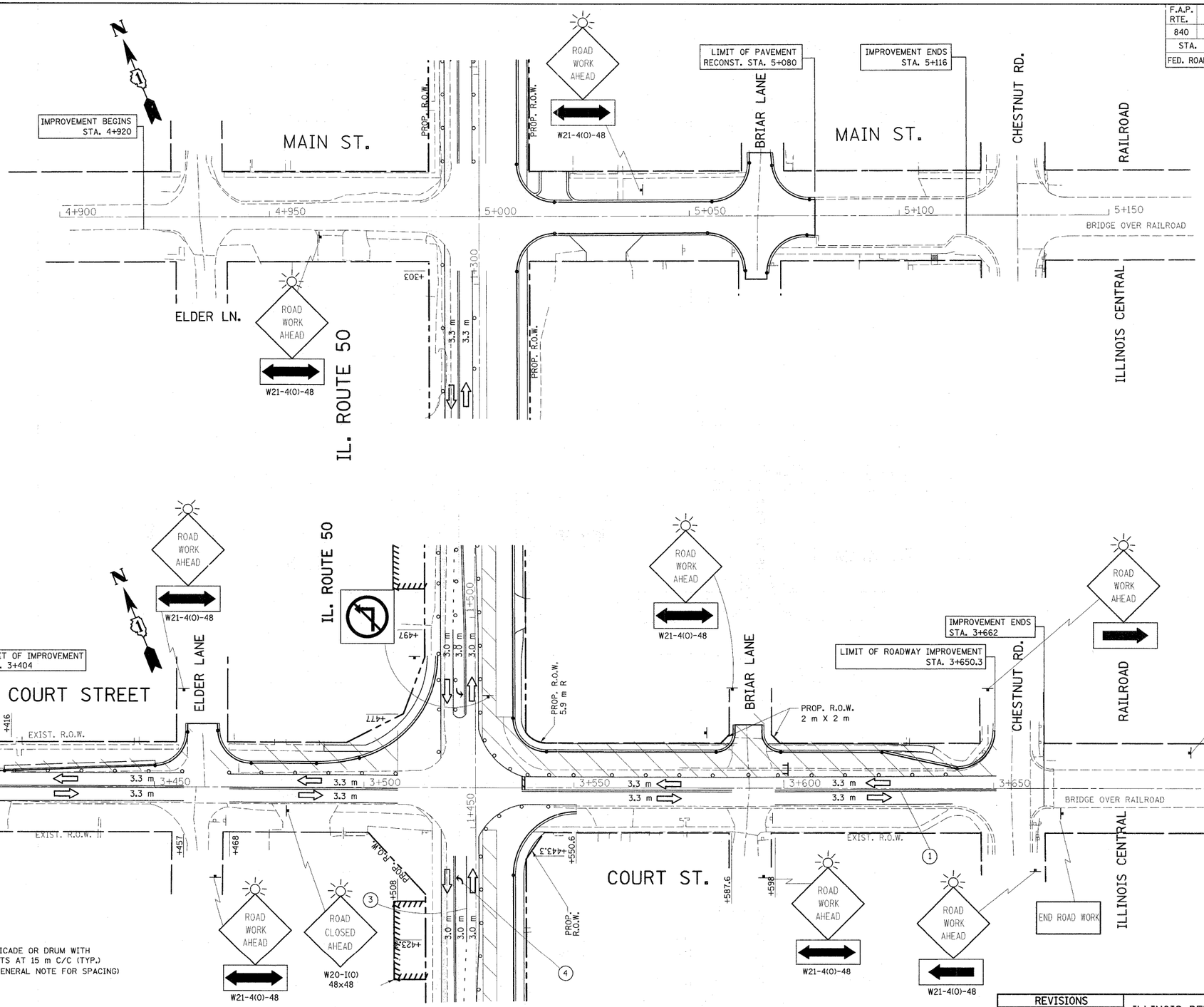
23

*REF-STG04
*REF-STG05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT # 60445



PAVEMENT MARKINGS

① TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
② TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
③ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
⑤ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE IA MAIN ST. AND COURT ST.

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

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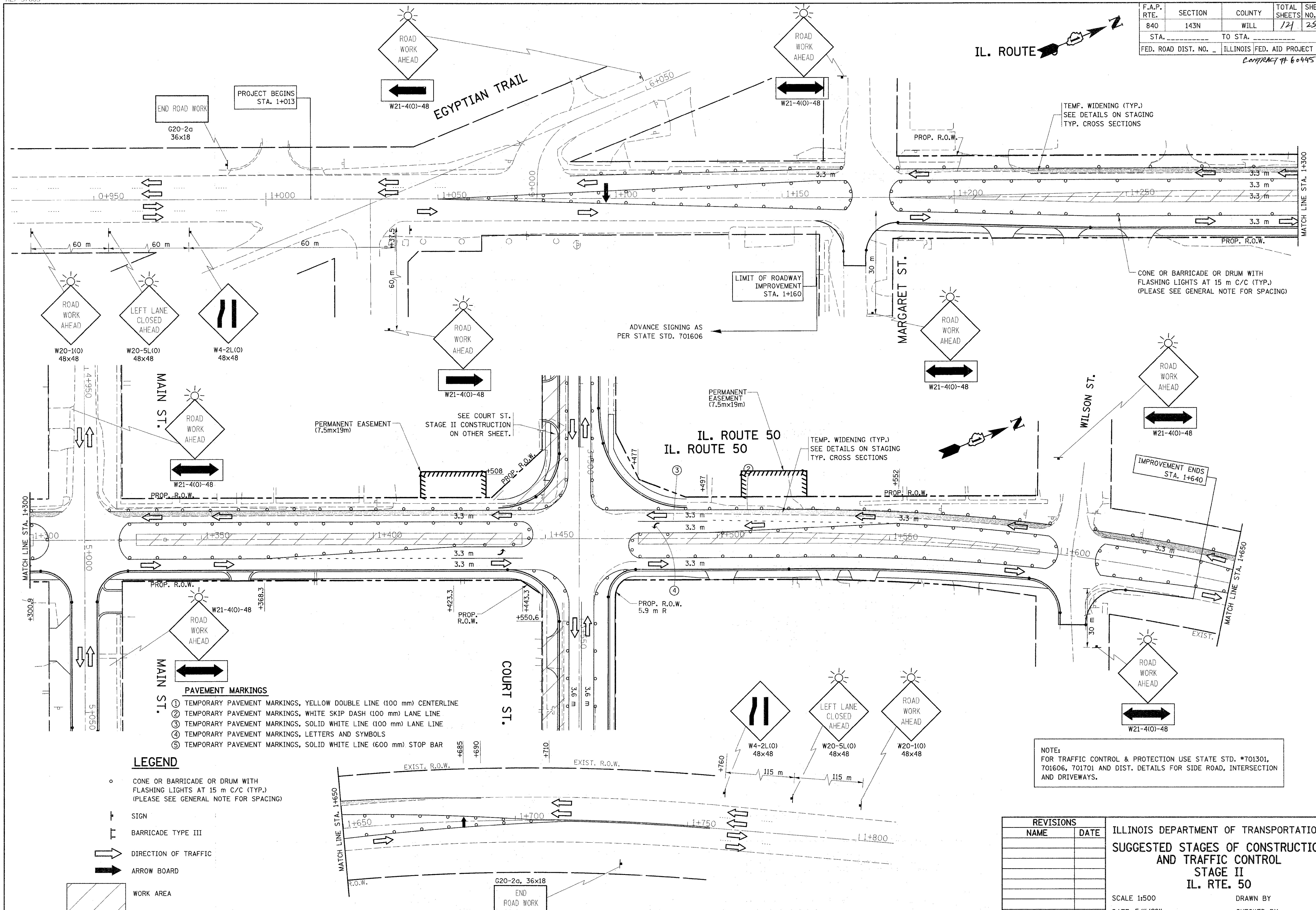
•REF-STG01
•REF-STG02
•REF-STG03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	25
STA. ________	TO STA. ________			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT # 60445



PAVEMENT MARKINGS

1. TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
2. TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
3. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
4. TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
5. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

LEGEND

- ○ CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE II IL. RTE. 50

SCALE 1:500 DRAWN BY
DATE 5/11/2011 CHECKED BY

5/11/2011
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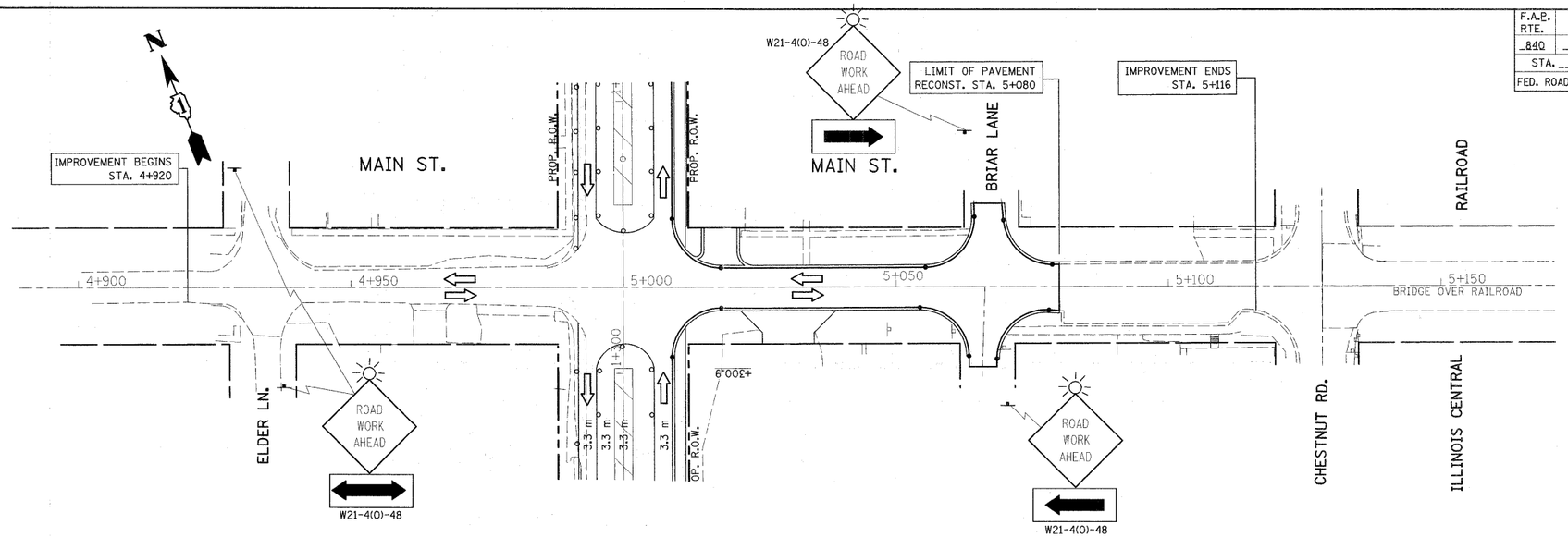
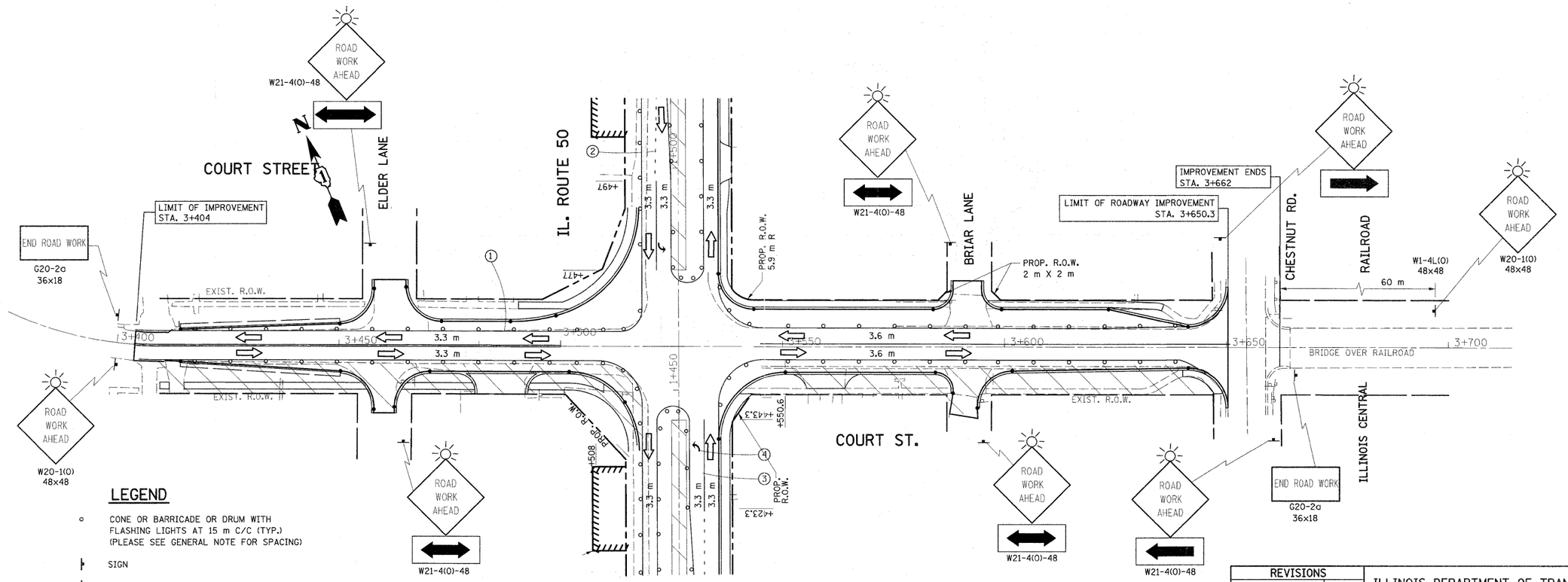
*REF-STG04
*REF-STG05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT # 60445





LEGEND

- ○ CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

PAVEMENT MARKINGS

1. TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
2. TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
3. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
4. TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
5. TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE II MAIN ST. AND COURT ST.

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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*REF-STG01
*REF-STG02
*REF-STG03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	27
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT # 60445

IL. ROUTE

EGYPTIAN TRAIL

END ROAD WORK
G20-2a
36x18

ROAD WORK AHEAD
W20-1(0)
48x48

LEFT LANE CLOSED AHEAD
W20-5L(0)
48x48

W4-2L(0)
48x48

ROAD CLOSED AHEAD
W20-3(0)
48x48

LIMIT OF ROADWAY IMPROVEMENT
STA. 1+160

TEMP. WIDENING (TYP.)
SEE DETAILS ON STAGING
TYP. CROSS SECTIONS

PROP. R.O.W.

MATCH LINE STA. 1+300

CONE OR BARRICADE OR DRUM WITH
FLASHING LIGHTS AT 15 m C/C (TYP.)
(PLEASE SEE GENERAL NOTE FOR SPACING)

MARGARET ST.

WILSON ST.

IMPROVEMENT ENDS
STA. 1+640

MAIN ST.

COURT ST.

PERMANENT EASEMENT
(7.5mx19m)

SEE COURT ST.
STAGE II CONSTRUCTION
ON OTHER SHEET.

ROAD CLOSED
R-11-2(0) 48x18
TYPE III BARRICADE
WITH 2 FLASHING
BEACONS (TYP.)

R3-2, 24x24

ONE WAY

R3-2
24x24

G20-2a, 36x18
END
ROAD WORK

EXIST. R.O.W.

PAVEMENT MARKINGS

① TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
② TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
③ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
⑤ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. *701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE IIA IL. RTE. 50

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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*REF-STG01
*REF-STG02
*REF-STG03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

EGYPTIAN TRAIL

IL. ROUTE 50

MARGARET ST.

MAIN ST.

WILSON ST.

COURT ST.

ROAD WORK AHEAD — W21-4(0)-48

ROAD CLOSED AHEAD — W20-3(0) 48x48

END ROAD WORK — G20-2a 36x18

LEFT LANE CLOSED AHEAD — W20-5L(0) 48x48

W20-1(0) 48x48

W4-2L(0) 48x48

W20-3(0), 48x48

W6-3L(0) 48x48

R3-2, 24x24

LIMIT OF ROADWAY IMPROVEMENT STA. 1+160

ROAD CLOSED LOCAL TRAFFIC ONLY — R-3a, 60x30 ON TYPE III BARRICADES

R3-2 24x24

R-112(O) 48x18 TYPE III BARRICADE WITH 2 FLASHING BEACONS (TYP.)

ROAD CLOSED

R3-1, 24x24

PROP. R.O.W.

CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)

R11-2(O) 48x18 TYPE III BARRICADE WITH 2 FLASHING BEACONS (TYP.)

IMPROVEMENT ENDS STA. 1+640

PERMANENT EASEMENT (7.5m×19m)

SEE COURT ST. STAGE III CONSTRUCTION ON OTHER SHEET.

MATCH LINE STA. 1+300

MATCH LINE STA. 1+650

EXIST. R.O.W.

PROP. R.O.W. 5.9 m R

RIGHT LANE CLOSED AHEAD — W20-5L(O) 48x48

W4-2L(O) 48x48

W20-1(O) 48x48

60 m

PAVEMENT MARKINGS

① TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
② TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
③ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
⑤ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE III IL. RTE. 50

SCALE 1:500 — DRAWN BY

DATE 5/11/2011 — CHECKED BY

5/11/2011
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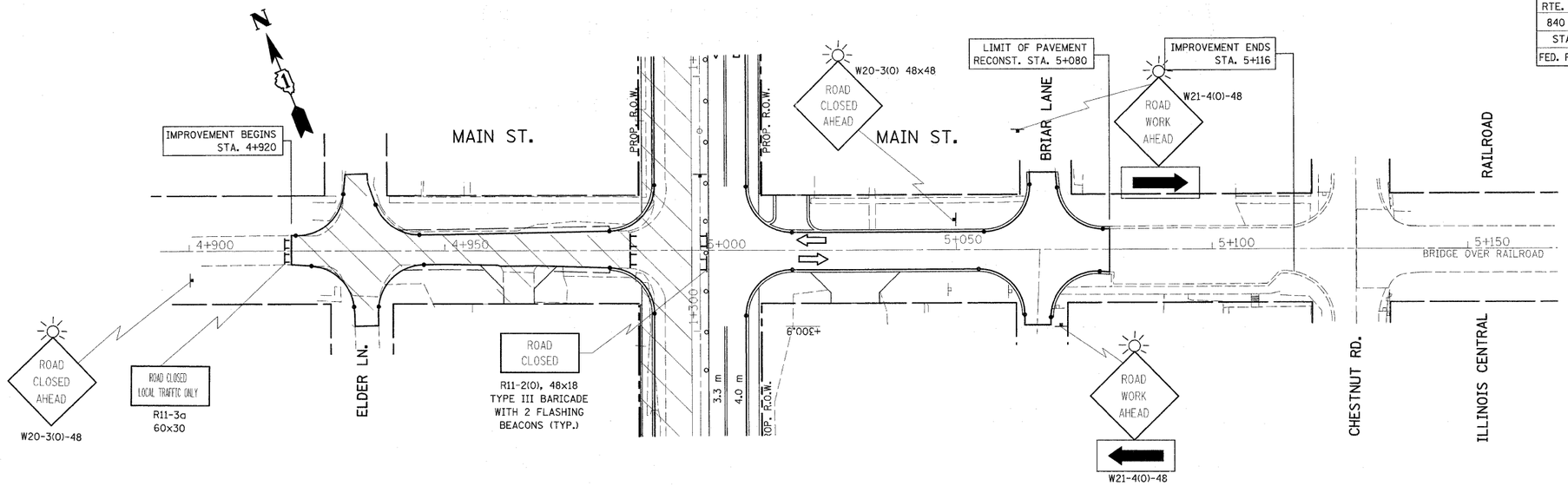
bauerdl

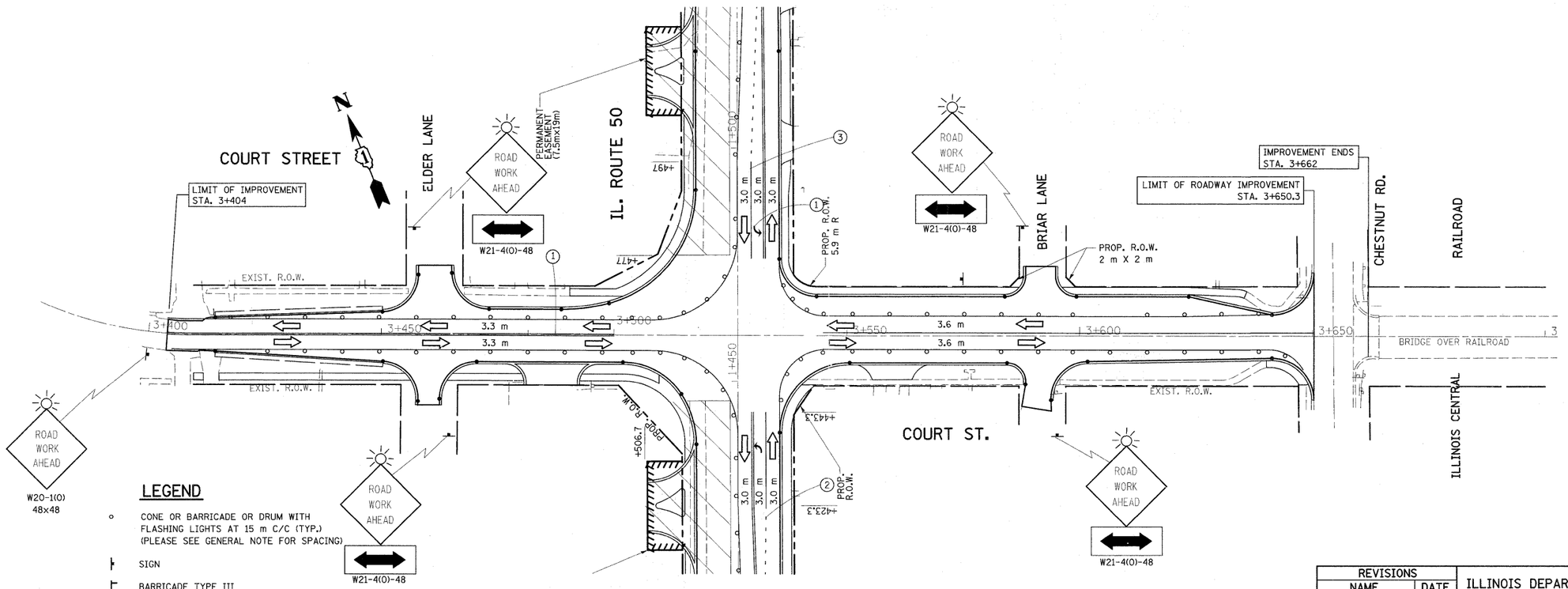
28

*REF-STG04
*REF-STG05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	12/	2-9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445





LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

PAVEMENT MARKINGS

① TEMPORARY PAVEMENT MARKINGS, YELLOW DOUBLE LINE (100 mm) CENTERLINE
② TEMPORARY PAVEMENT MARKINGS, WHITE SKIP DASH (100 mm) LANE LINE
③ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (100 mm) LANE LINE
④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS
⑤ TEMPORARY PAVEMENT MARKINGS, SOLID WHITE LINE (600 mm) STOP BAR

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE III MAIN ST. AND COURT ST.

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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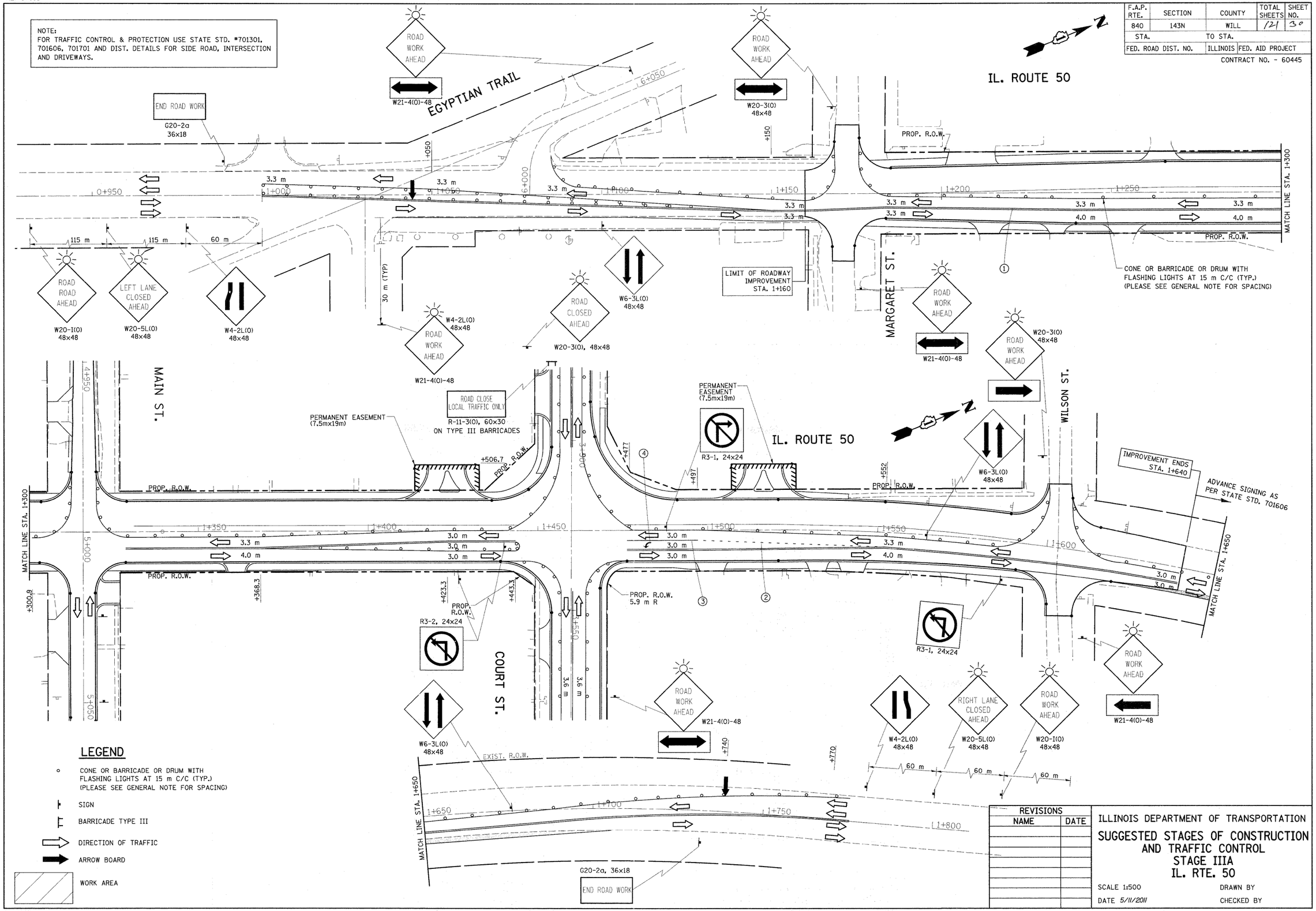
bauerdl

*REF-STG01
*REF-STG02
*REF-STG03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

NOTE:
FOR TRAFFIC CONTROL & PROTECTION USE STATE STD. #701301, 701606, 701701 AND DIST. DETAILS FOR SIDE ROAD, INTERSECTION AND DRIVEWAYS.



LEGEND

- CONE OR BARRICADE OR DRUM WITH FLASHING LIGHTS AT 15 m C/C (TYP.) (PLEASE SEE GENERAL NOTE FOR SPACING)
- SIGN
- BARRICADE TYPE III
- DIRECTION OF TRAFFIC
- ARROW BOARD
- WORK AREA

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE IIIA IL. RTE. 50

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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bauerdl

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	127	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

LEGEND

1. ROAD CLOSED AHEAD — W20-3(0) 48"x48"
   - W17-1000 MAIN ST.
2. DETOUR — M4-8(0) 24"x12"
   - EAST OR WEST — M3-4 24"x12"
   - MAIN ST. W17-1000
   - M6-3(0) 21"x15"
3. DETOUR — M4-8(0) 24"x12"
   - EAST OR WEST — M3-4 24"x12"
   - MAIN ST. W17-1000
   - M6-3(0) 21"x15"
   - M5-1L(0) 21"x15" OR M5-1R(0) 21"x15"
4. DETOUR — M4-8(0) 24"x12"
   - EAST OR WEST — M3-4 24"x12"
   - MAIN ST. W17-1000
   - M6-3(0) 21"x15"
   - OR M6-1(0) 21"x15"
5. MAIN ST. WILL BE CLOSED TO THRU TRAFFIC BEGINNING ON (DATE)
6. ROAD CLOSED LOCAL TRAFFIC ONLY — R-11-3 48"x30"
7. END DETOUR — M4-3A 24"x18"
8. DETOUR AHEAD — W20-2(0) 48"x48"
   - MAIN ST. W17-1000

N

ELDER LN.

EGYPTIAN TRAIL

IL. ROUTE 50

DETOUR WILSON ST.

EAST (E)

WILLIAMS ST.

MARGARET ST.

MARGARET ST.

MAIN ST.

EAST

COURT STREET

WILSON STREET

BRIAR LANE

CHESTNUT RD.

WEST (W)

STAGE I

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. 50 AT COURT ST.
DETOUR PLAN

NOT TO SCALE — DRAWN BY

DATE 5/16/2011 — CHECKED BY

5/16/2011
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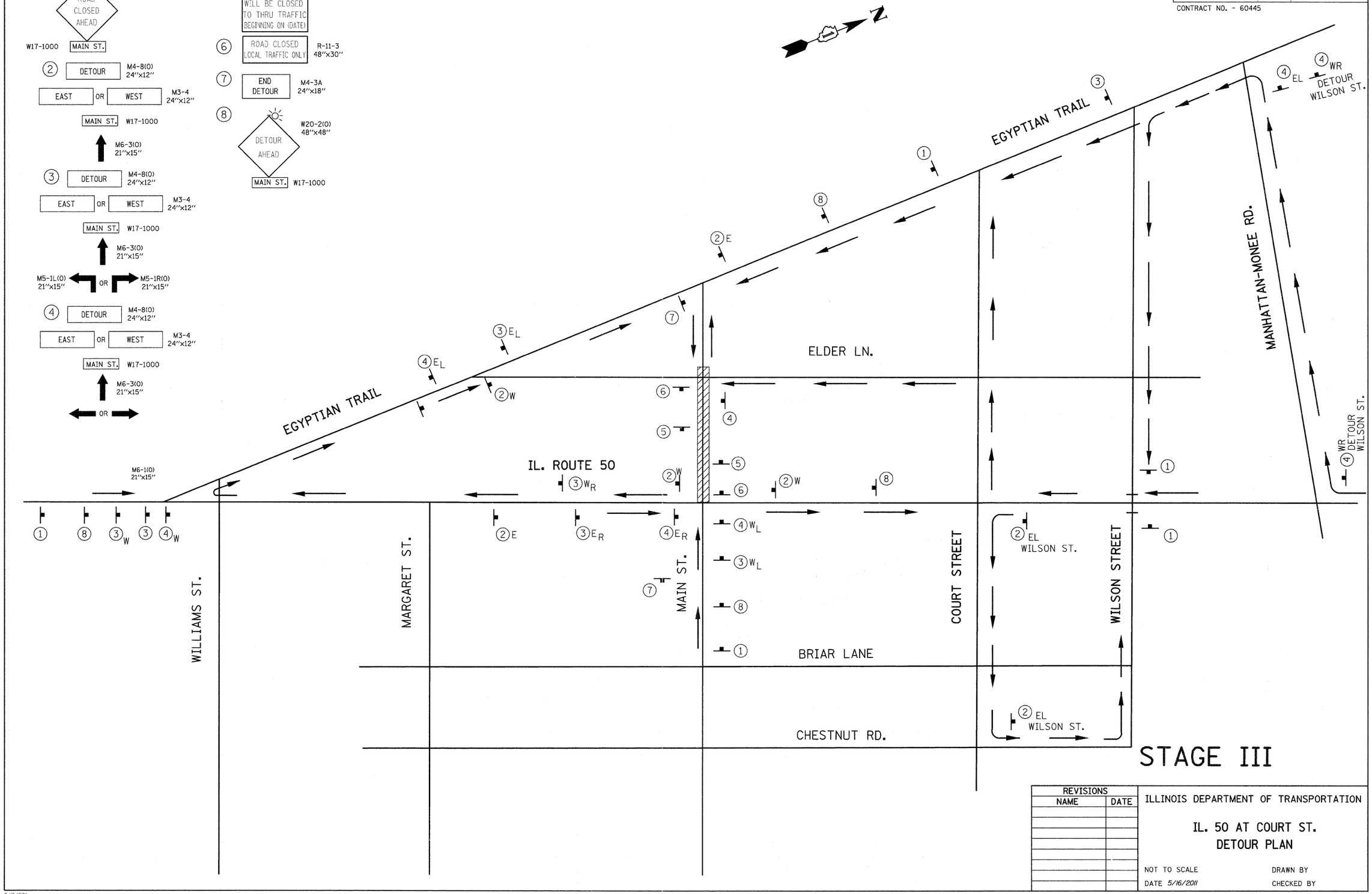
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	12	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445

LEGEND

1. ROAD CLOSED AHEAD — W20-3(0) 48"x48" — W17-1000 MAIN ST.
2. DETOUR — M4-8(0) 24"x12" — EAST OR WEST — M3-4 24"x12" — MAIN ST. W17-1000 — M6-3(0) 21"x15"
3. DETOUR — M4-8(0) 24"x12" — EAST OR WEST — M3-4 24"x12" — MAIN ST. W17-1000 — M6-3(0) 21"x15" — M5-1L(0) 21"x15" OR M5-1R(0) 21"x15"
4. DETOUR — M4-8(0) 24"x12" — EAST OR WEST — M3-4 24"x12" — MAIN ST. W17-1000 — M6-3(0) 21"x15" — OR
5. MAIN ST. WILL BE CLOSED TO THRU TRAFFIC BEGINNING ON (DATE)
6. ROAD CLOSED LOCAL TRAFFIC ONLY — R-11-3 48"x30"
7. END DETOUR — M4-3A 24"x18"
8. DETOUR AHEAD — W20-2(0) 48"x48" — MAIN ST. W17-1000



STAGE III

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. 50 AT COURT ST.
DETOUR PLAN

NOT TO SCALE — DRAWN BY
DATE 5/16/2011 — CHECKED BY

5/16/2011
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CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	33
STA. 1+000		TO STA. 1+350		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EXISTING

IMPROVEMENT BEGINS STA. 1+013

EGYPTIAN TRAIL

PC STA 6+005.155

PT STA 6+026.42

POT STA 6+000.000

CHAIN-LINK

MARGARET ST.

IL. ROUTE 50

DRIVEWAY REMOVAL AND C & G REMOVAL

PAVEMENT REMOVAL PROJECT LIMITS 20 m LT

PROP. R.O.W.

PVD. SHLDR. REM.

PROP. TEMP. EASEMENT

LA VILLA

DRIVEWAY REMOVAL

PROJECT LIMIT 15 m RT

MAIN ST.

PROP. R.O.W.

MATCHLINE STA. 1+350

ADDITIONAL PROPOSED TEMP. EASEMENT (7.0m×5.5m)

C & G REM.

PROJECT LIMIT 15 m LT

HMA PARKING LOT

FLAG POLE

RET WALL

LIMIT OF ROADWAY IMPROVEMENT STA. 1+160

DRWY. REM.

PROJECT LIMIT 20 m RT

PROP. TEMP. EASEMENT

12 m x 4 m

12 m x 4.5 m

• EXIST. R.O.W. DIMENSIONS ON ILLINOIS ROUTE 50 SOUTH OF EGYPTIAN TRAIL ARE AS PER DETAILS PROVIDED BY THE BUREAU OF LAND ACQUISITION. THIS IS THE MOST ACCURATE INFORMATION CURRENTLY AVAILABLE TO THEM. IT IS SUBJECT TO VERIFICATION AND CONFIRMATION BY THE BUREAU OF LAND AQUISITION WHEN MORE ACCURATE INFORMATION CAN BE OBTAINED.

PROPOSED

✱ PGES (FULL WIDTH) FROM STA. 1+160 TO STA. 1+250 ONLY

PROJECT LIMIT 20 m LT

9 m R PROP. R.O.W.

PROP. C&G B-15.30

PROP 2 m SIDEWALK

PROP. TEMP. EASEMENT

4.5 m R (TYP.)

PROP. 1 m AGG. SHOULDER

9 m R (TYP.)

PROJECT LIMIT 20 m RT

PROP. TEMP. EASEMENT

PROP. C&G B-15.30

PROP. 2 m S.W.

12 m x 4 m

12 m x 4.5 m

PROPOSED RE-CONSTRUCTION:
PGES 150 mm (6")
AGGREGATE SUB-GRADE, 300 mm (12")
HMA PAVEMENT (FULL DEPTH), 32 5mm (13")
(SEE TYPICAL SECTION & MIXTURE TABLE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
IL. RTE. 50

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

Rev.

5/11/2011
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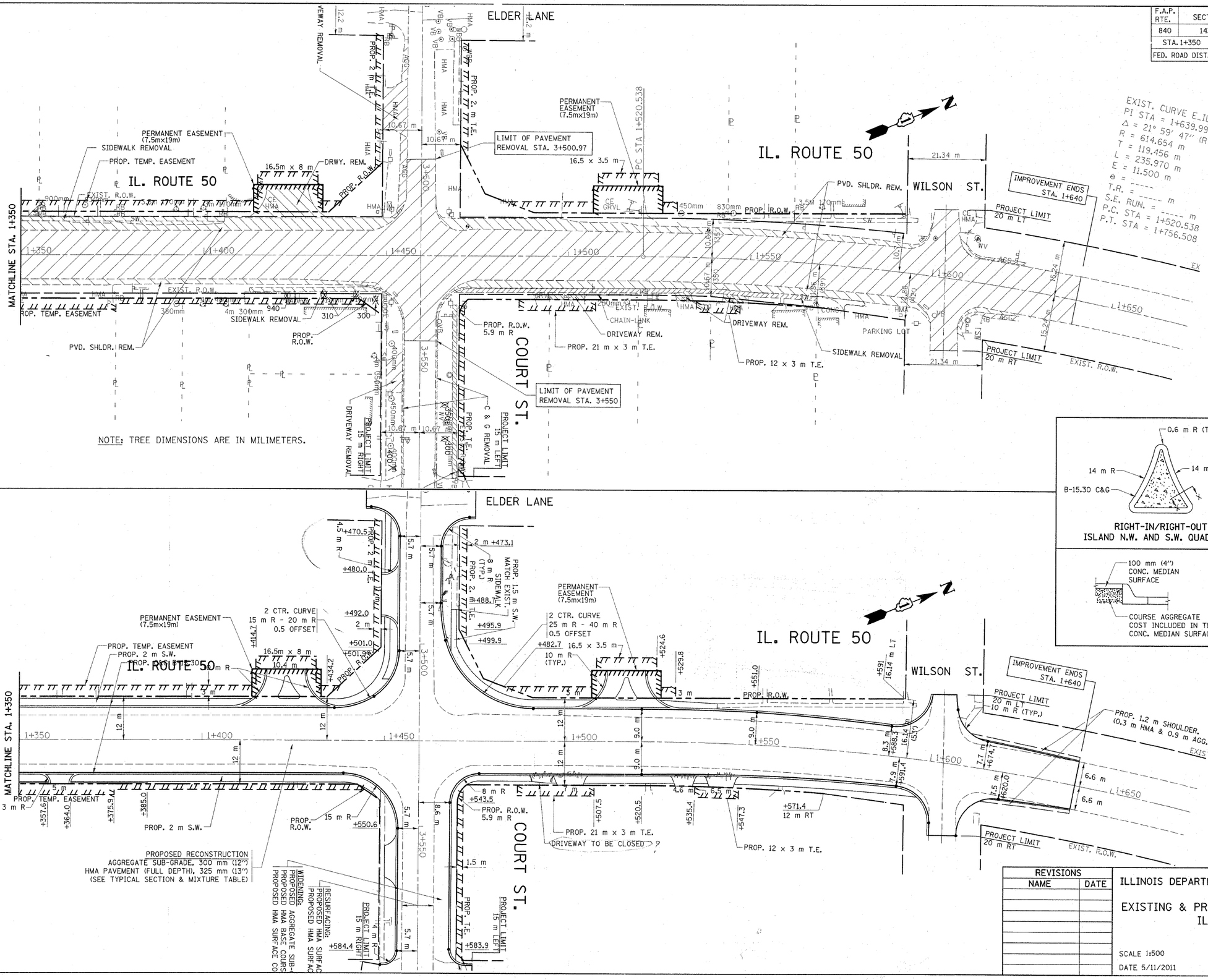
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	34
STA. 1+350		TO STA. 1+640		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



EXISTING

PROPOSED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
IL. RTE. 50

SCALE 1:500 — DRAWN BY

DATE 5/11/2011 — CHECKED BY Rev.

5/11/2011
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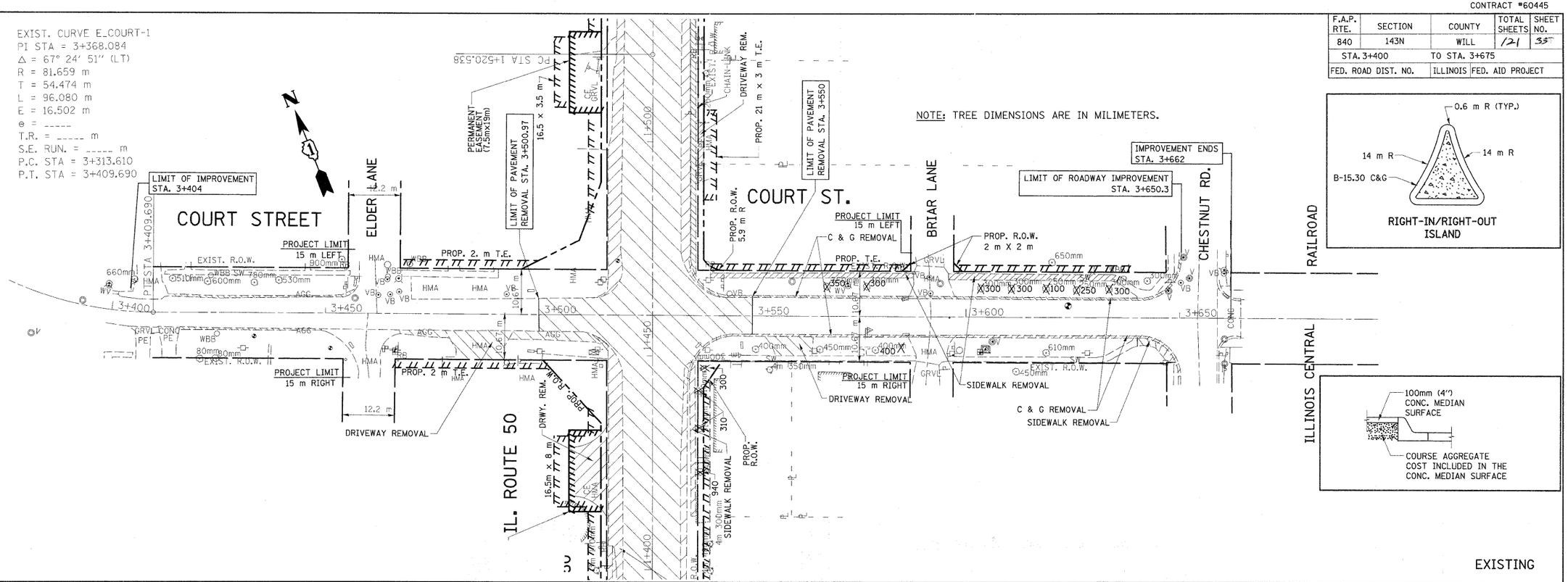
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	35
STA. 3+400		TO STA. 3+675		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

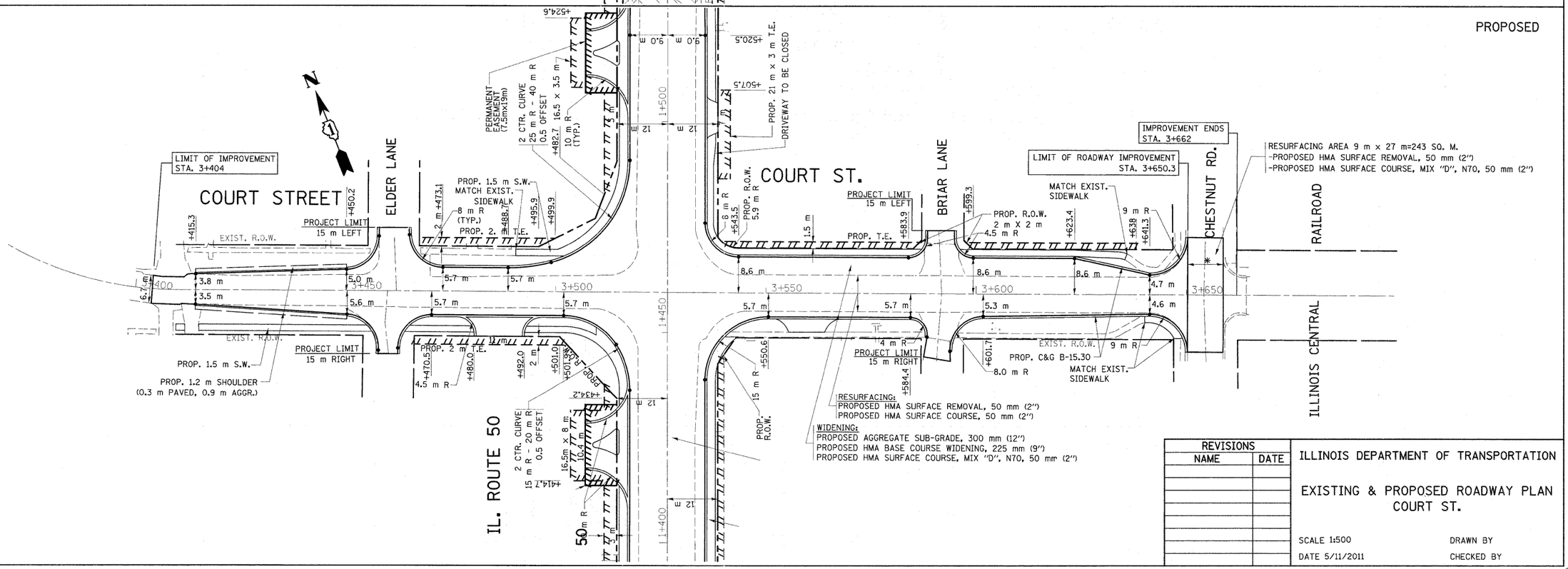
EXIST. CURVE E_COURT-1
PI STA = 3+368.084
Δ = 67° 24′ 51″ (LT)
R = 81.659 m
T = 54.474 m
L = 96.080 m
E = 16.502 m
e = _____
T.R. = _____ m
S.E. RUN. = _____ m
P.C. STA = 3+313.610
P.T. STA = 3+409.690

NOTE: TREE DIMENSIONS ARE IN MILIMETERS.



EXISTING

PROPOSED



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
COURT ST.

SCALE 1:500 DRAWN BY
DATE 5/11/2011 CHECKED BY

5/11/2011
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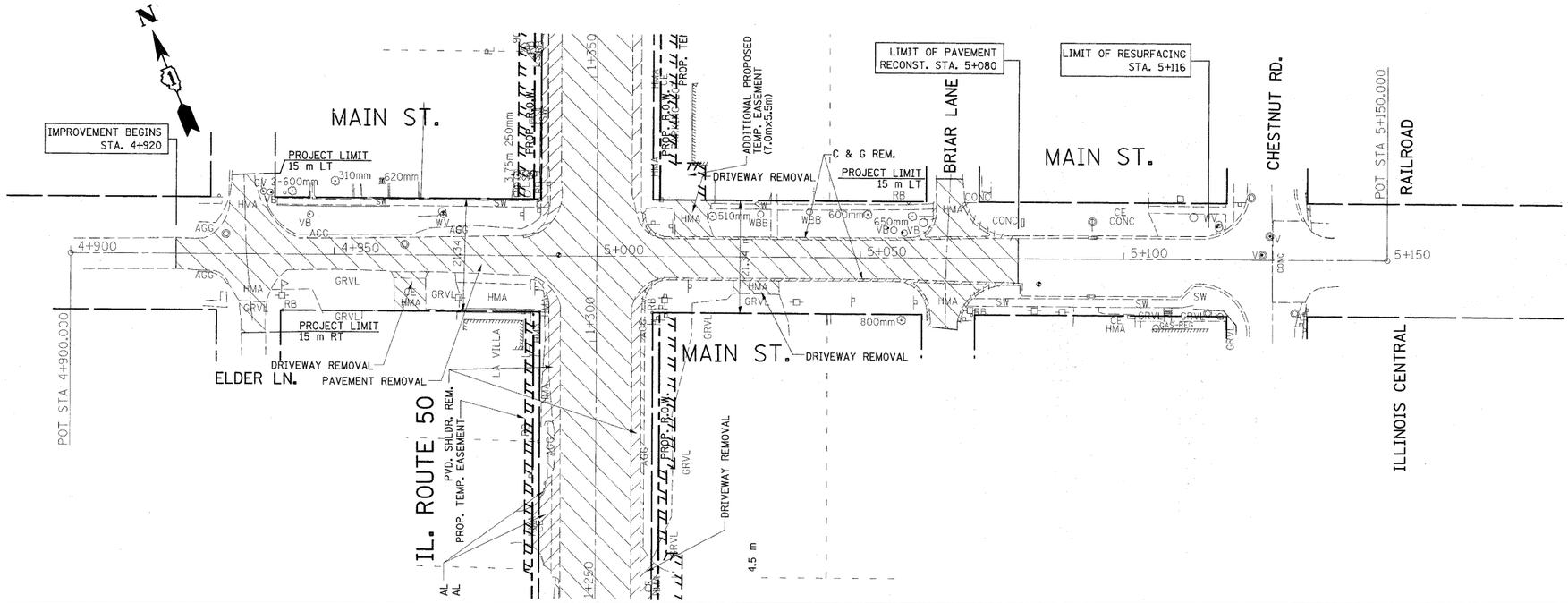
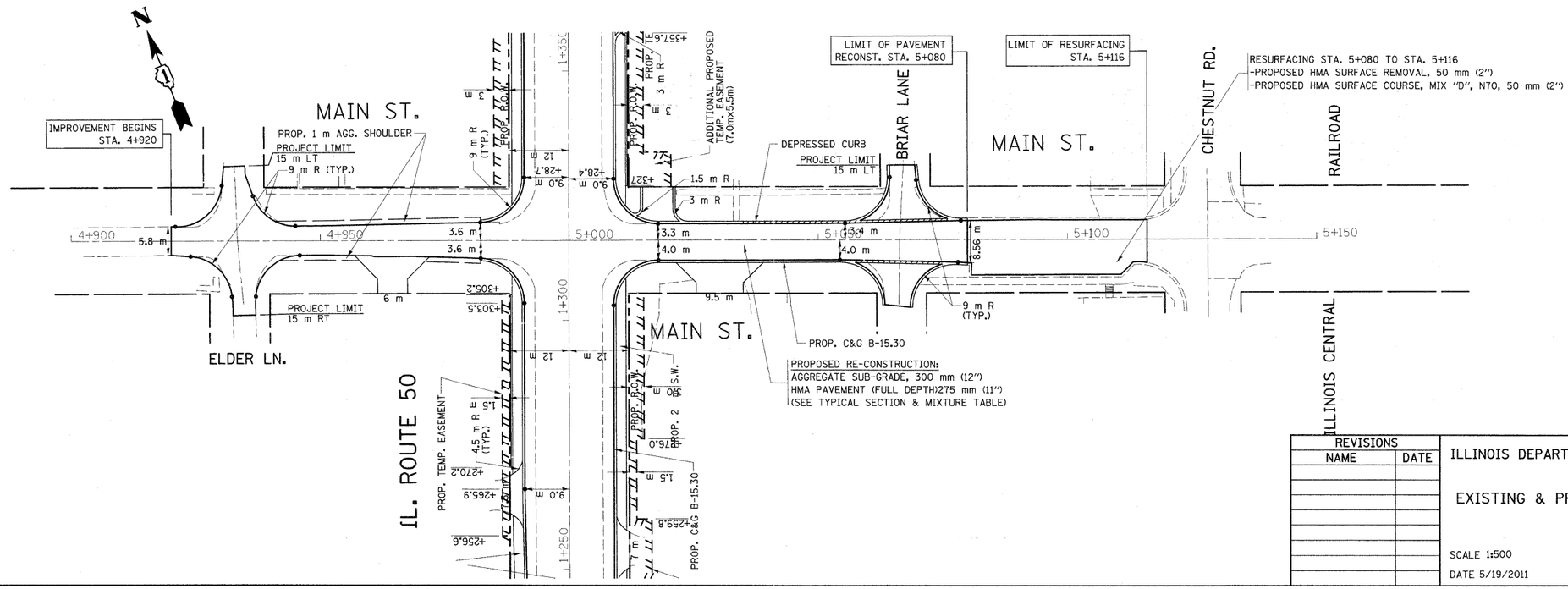
CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	36
STA. 4+900		TO STA. 5+150		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING & PROPOSED ROADWAY PLAN
MAIN ST.

SCALE 1:500 DRAWN BY

DATE 5/19/2011 CHECKED BY Rev.

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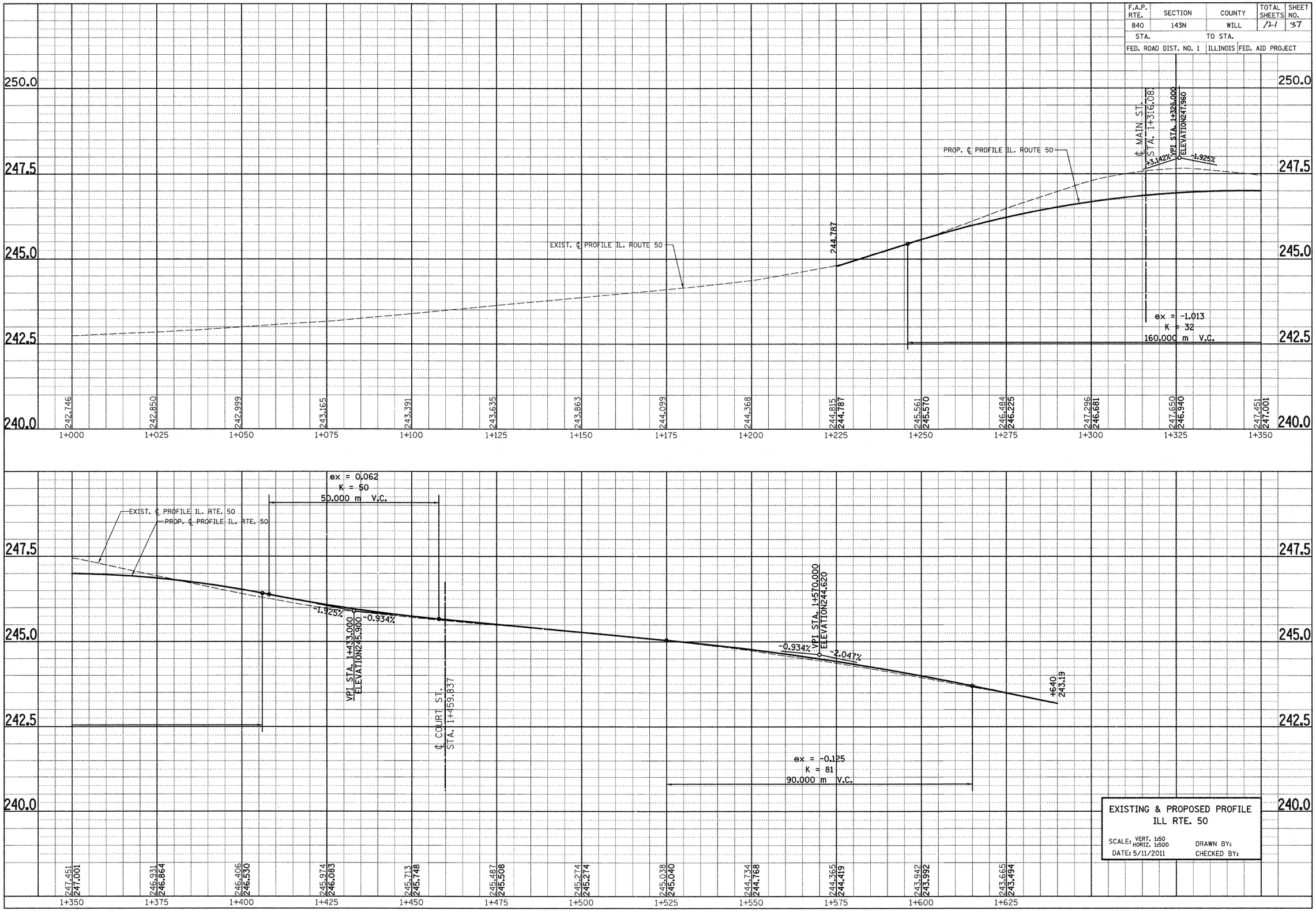
*REF-TXT2
*REF-TXT3

CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	12	37
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



EXISTING & PROPOSED PROFILE
ILL RTE. 50

SCALE: VERT. 1:50, HORIZ. 1:500
DATE: 5/11/2011
DRAWN BY:
CHECKED BY:

5/11/2011
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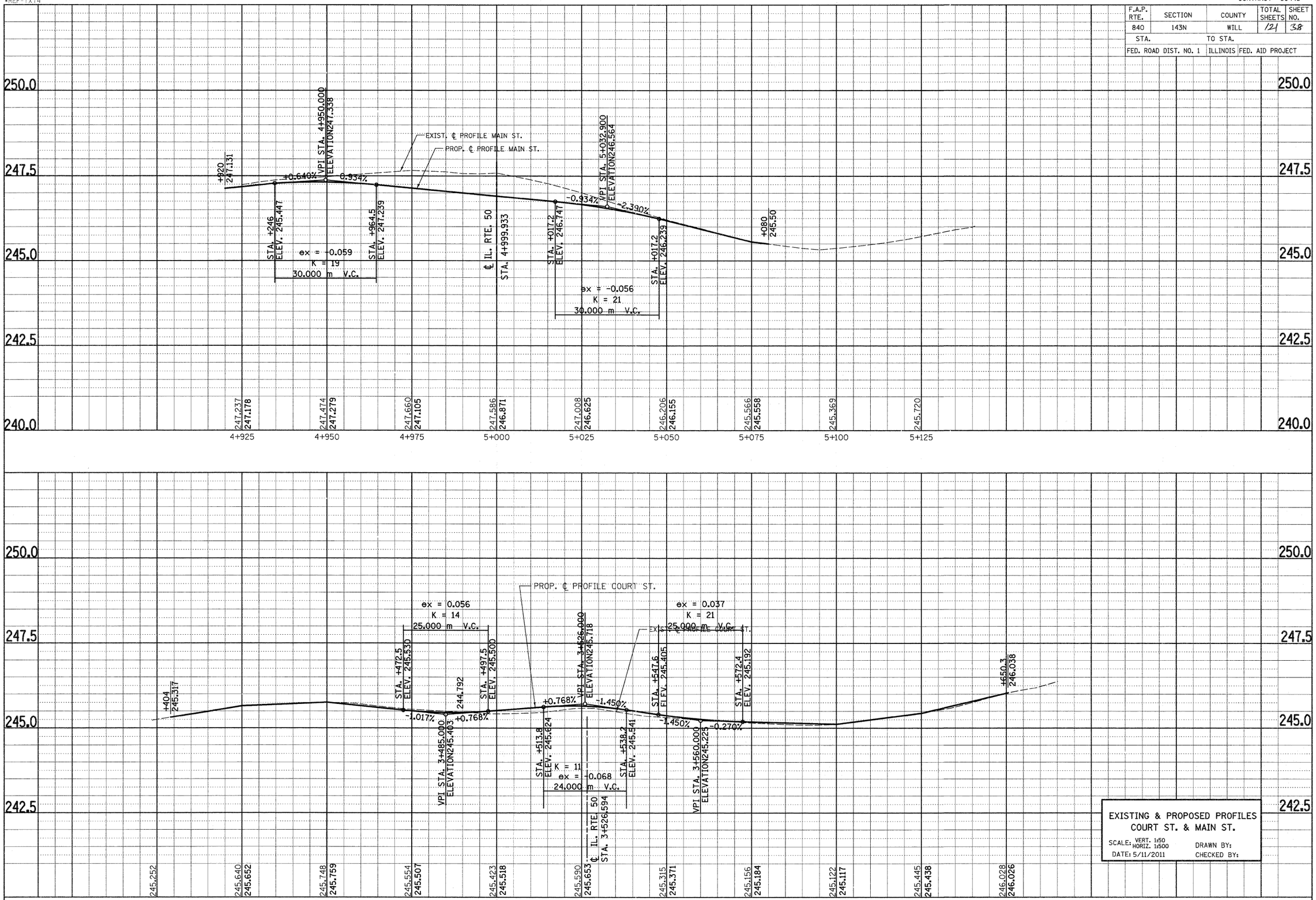
*REF-PROF1
*REF-PROF4
*REF-TXT4

CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	38
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



EXISTING & PROPOSED PROFILES
COURT ST. & MAIN ST.

SCALE: VERT. 1:50
HORIZ. 1:500
DATE: 5/11/2011

DRAWN BY:
CHECKED BY:

5/11/2011
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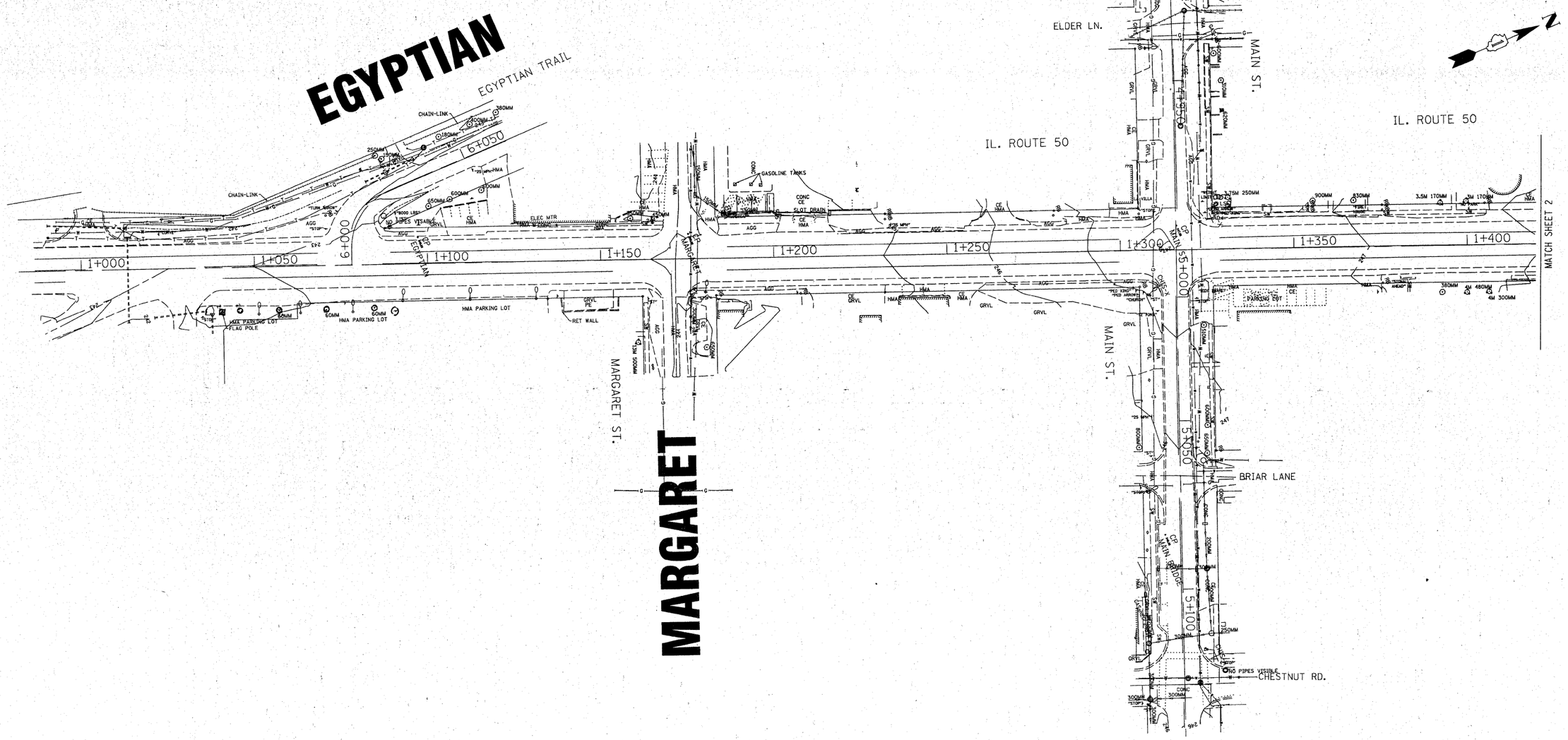
UTILITY OWNERS
NICOR GAS-GAS
AT&T-TELEPHONE
WATER-VILLAGE OF MONEE



A — A —	AERIAL UTILITY
- - - - - - - - - - - -	UNKNOWN
CTV — CTV —	CABLE TV
T — T —	TELEPHONE
G — G —	GAS
E — E —	ELECTRIC
W — W —	WATER
FO — FO —	FIBER OPTIC
>—>—>—>—>—>—	SEWER
⌖	TBE TEST HOLE

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. TBE's SUE field investigation was performed 11/26/10 through 12/03/10. Changes to utilities after 12/03/10 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

20 0 METERS 20 40
50 0 FEET 50 100

LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS
signature
1/20/11
date
license expires 11-30-11

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510424
SUE Plan Page: 1 of 2

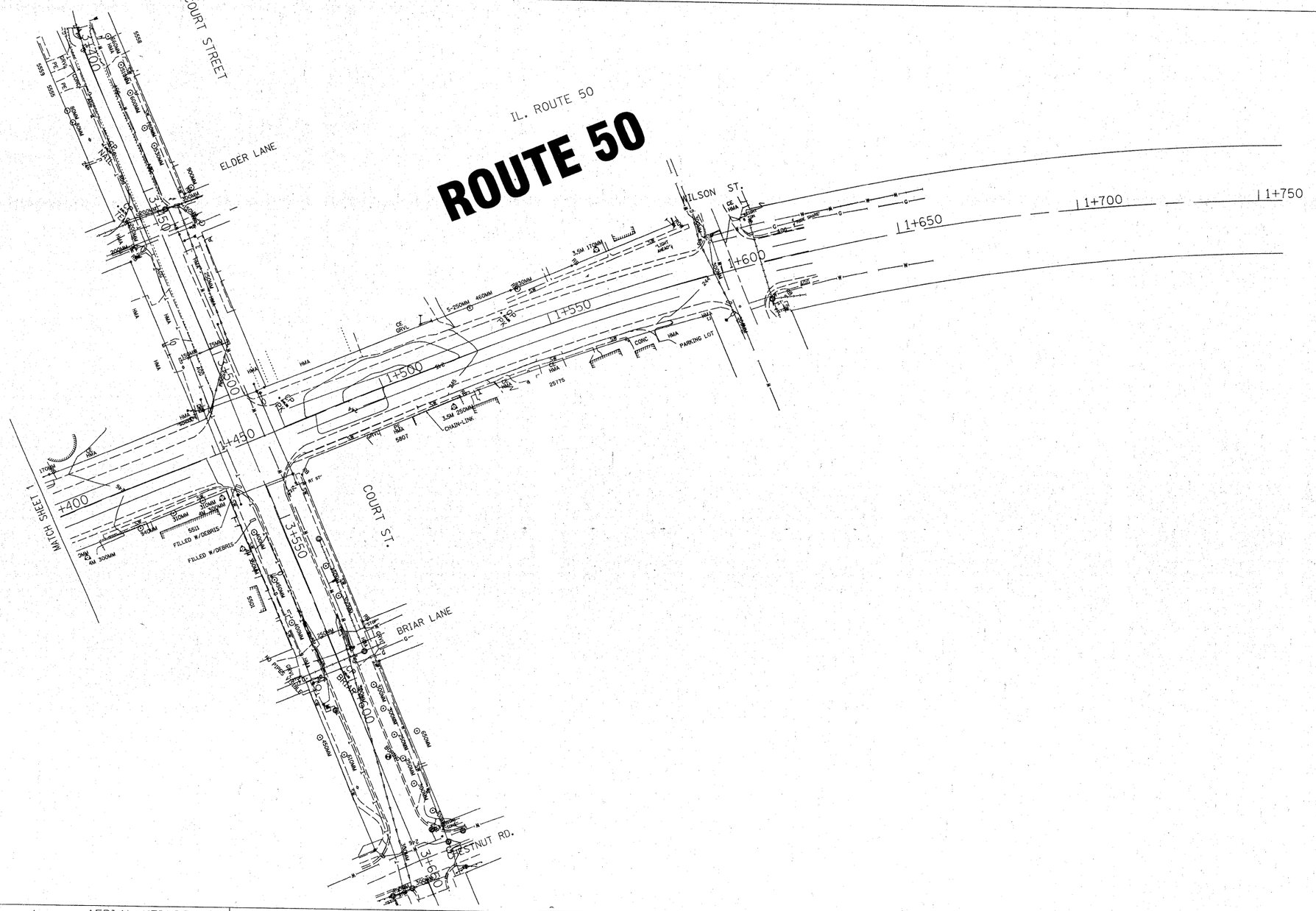
Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED
DRAWN	KLC	REVISED
CHECKED		REVISED
DATE	1/18/11	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 50 at Court Street
Monee, IL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	Will	121	39
		Contract No. 60445		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



UTILITY OWNERS
NICOR GAS-GAS
AT&T-TELEPHONE
WATER-VILLAGE OF MONEE

A — A	AERIAL UTILITY
- - - - - - - - - - - -	UNKNOWN
CTV — CTV	CABLE TV
T — T	TELEPHONE
G — G	GAS
E — E	ELECTRIC
W — W	WATER
FO — FO	FIBER OPTIC
—) —) —) —) —) —	SEWER
⊕	TBE TEST HOLE

Utility Quality Level "A" : Test Hole
Utility Quality Level "B" : Designating
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. TBE's SUE field investigation was performed 11/26/10 through 12/03/10. Changes to utilities after 12/03/10 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

20 0 METERS 20 40
50 0 FEET 50 100

DESIGNED	EG	REVISED
DRAWN	KLC	REVISED
CHECKED		REVISED
DATE	1/18/11	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 50 at Court Street
Monee, IL

LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS
signature
11/20/11
date
license expires 11-30-11

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510424
SUE Plan Page: 2 of 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	143N	Will	121	40
		Contract No. 60445		
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	41
STA. 1+000		TO STA. 1+350		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

MAINTAIN EXISTING OUTLET STATION 0+990 LEFT

MAINTAIN EXISTING DRAINAGE SYSTEM SOUTH OF STA. 1+013

REGRADE EXISTING DITCH STATION 1+013 TO 1+065 LEFT

IMPROVEMENT BEGINS STA. 1+013

PLUG AND ABANDON EXISTING CULVERT REGRADE EXISTING DITCH

EGYPTIAN TRAIL

MARGARET ST.

NO PIPES VISABLE

ELEC MTR

REPLACE EXIST. INLET WITH NEW CATCH BASIN STA. 1+087, 14 m LT.

LIMIT OF ROADWAY IMPROVEMENT STA. 1+160

PROJECT LIMIT 20 m LT

PROJ. R.O.W.

SLOT DRAIN

PROP. TEMP. EASEMENT

LA VILLA

IL. ROUTE 50

PROJECT LIMIT 20 m RT

12 m x 4 m

12 m x 4.5 m

MAIN ST.

MATCHLINE STA. 1+350

ADDITIONAL PROPOSED TEMP. EASEMENT (7.0mx5.5m)

REMOVE EXISTING STORM SEWER STA. 5+013 LT

PROJECT LIMIT 15 m LT

EXISTING

PROPOSED

LEGEND

- PROPOSED SWALE
- PROPOSED DITCH
- EXISTING DITCH
- EXISTING SWALE
- OUTLET
- EXISTING SANITARY
- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING STORM SEWER
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM SEWER
- PROPOSED INLET
- PROPOSED FLARED END SECTION
- REC STRUCTURE TO BE RECONSTRUCTED

NOTE: WHEREVER NEEDED TO PLUG THE EXISTING STORM SEWER, ITS COST WILL BE INCLUDED IN THE STORM SEWER INSTALLATION.

* STORM SEWER (WATERMAIN REQUIREMENT), 400 mm STA. 1+187 TO STA. 1+173 (14 m)

INV. 242.068

INV. 242.176

INV. 241.860

INV. 241.71

0.5%

1.36%

MAINTAIN EXISTING OUTLET ALONG MARGARET ST.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE. 50
EXISTING & PROPOSED
DRAINAGE & UTILITIES PLAN

SCALE 1:500 DRAWN BY

DATE 8/17/2011 CHECKED BY

8/17/2011
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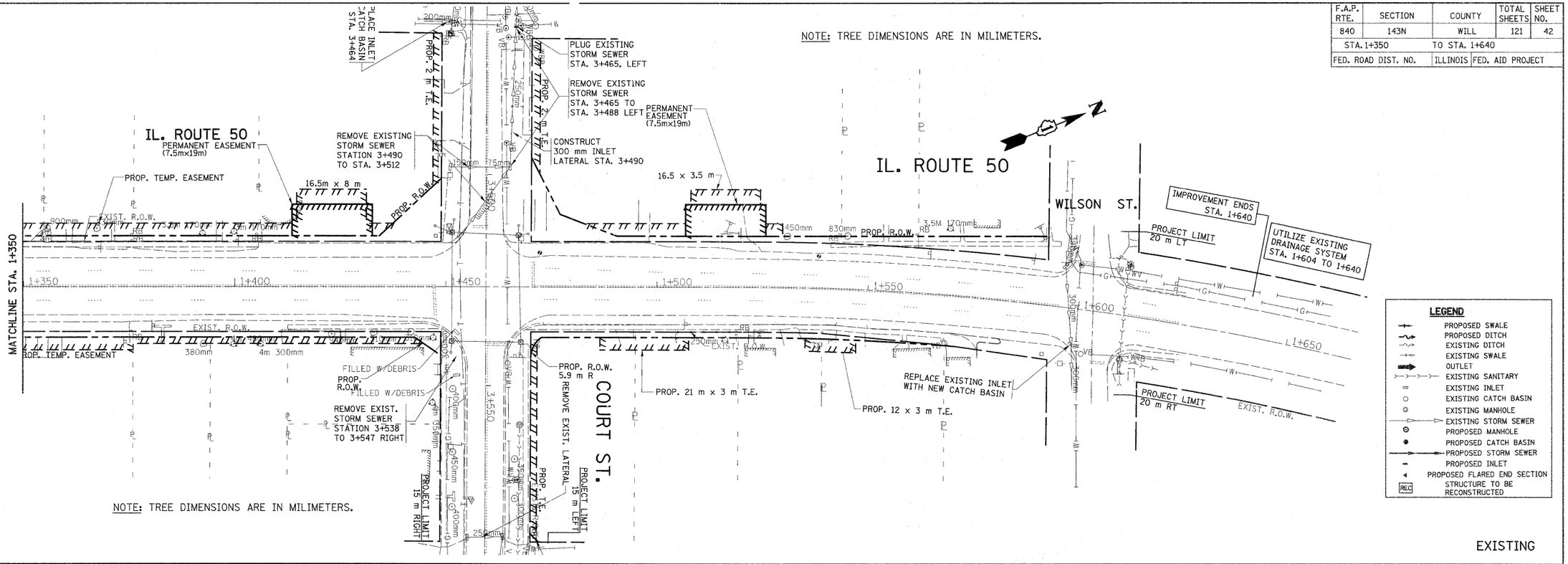
bauerdl

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	42
STA. 1+350		TO STA. 1+640		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTE: TREE DIMENSIONS ARE IN MILIMETERS.

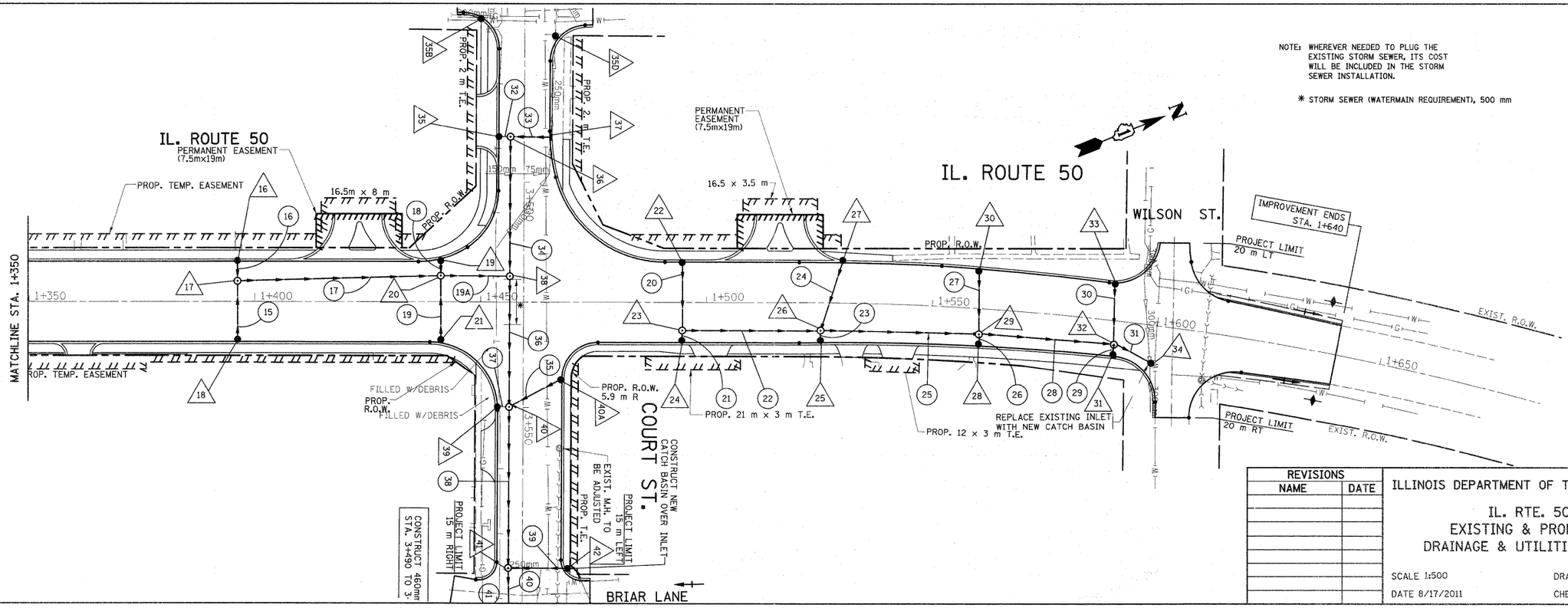


EXISTING

PROPOSED

NOTE: WHEREVER NEEDED TO PLUG THE EXISTING STORM SEWER, ITS COST WILL BE INCLUDED IN THE STORM SEWER INSTALLATION.

* STORM SEWER (WATERMAIN REQUIREMENT), 500 mm



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. RTE. 50
EXISTING & PROPOSED
DRAINAGE & UTILITIES PLAN

SCALE 1:500 DRAWN BY

DATE 8/17/2011 CHECKED BY

8/17/2011
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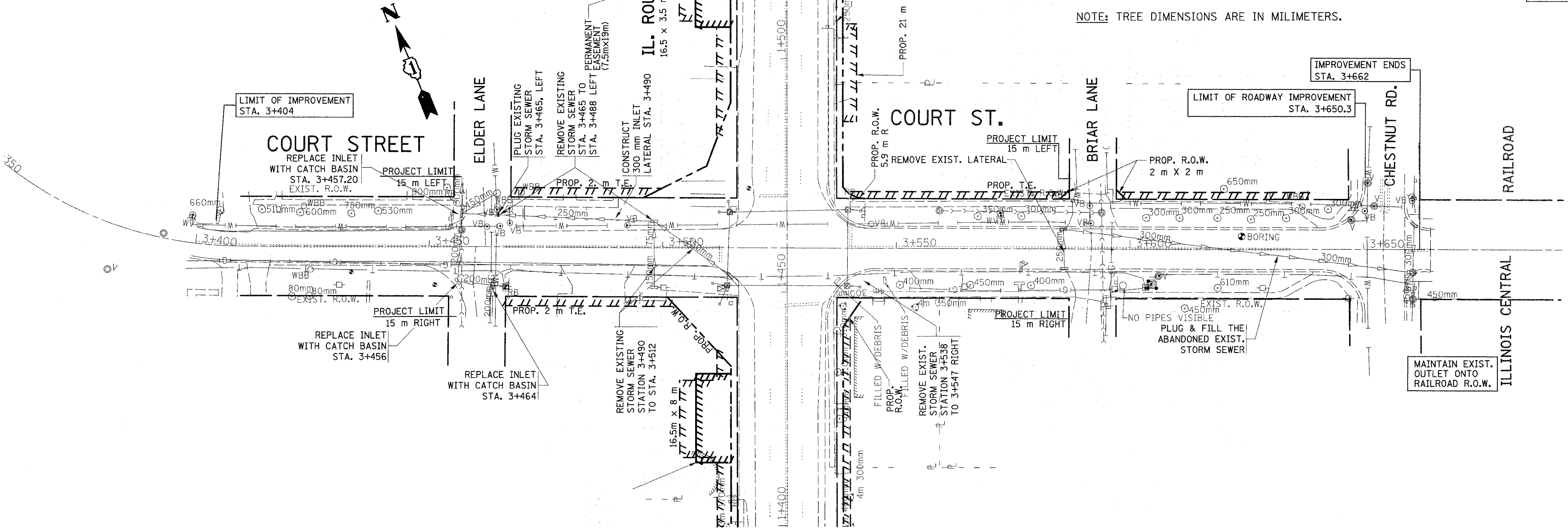
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	43
STA. 3+400		TO STA. 3+675		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NOTE: TREE DIMENSIONS ARE IN MILIMETERS.



LEGEND

- PROPOSED SWALE
- PROPOSED DITCH
- EXISTING DITCH
- EXISTING SWALE
- OUTLET
- EXISTING SANITARY
- EXISTING INLET
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- EXISTING STORM SEWER
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM SEWER
- PROPOSED INLET
- PROPOSED FLARED END SECTION
- REC STRUCTURE TO BE RECONSTRUCTED

EXISTING

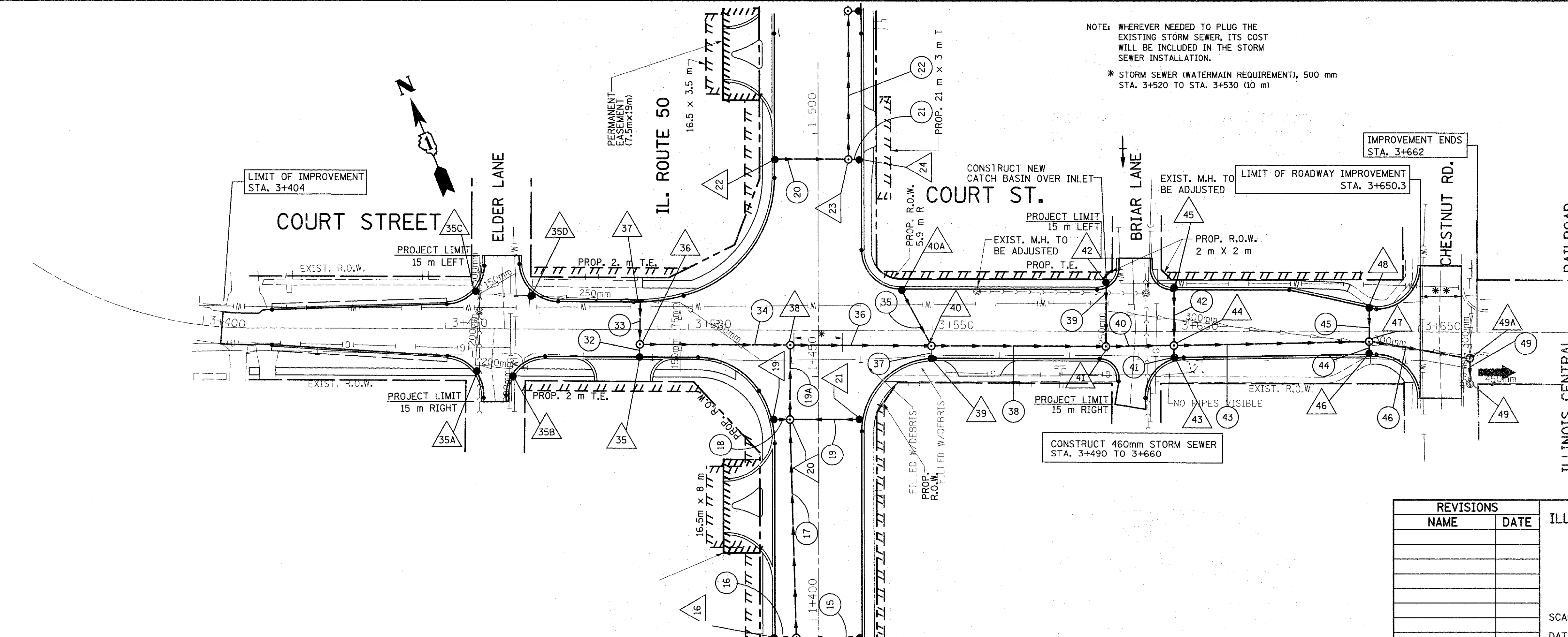
PROPOSED

NOTE: WHEREVER NEEDED TO PLUG THE EXISTING STORM SEWER, ITS COST WILL BE INCLUDED IN THE STORM SEWER INSTALLATION.

* STORM SEWER (WATERMAIN REQUIREMENT), 500 mm STA. 3+520 TO STA. 3+530 (10 m)

** RESURFACING EXTENDS TO 9 m EAST TO END AT THE BRIDGE DECK JOINT.
-PROPOSED HMA SURFACE REMOVAL, 50 mm (2")
-PROPOSED HMA SURFACE COURSE, MIX "D", N70, 50 mm (2")

49A DISTURBED CONC. SURFACE RESTORATION WILL BE INCLUDED IN THE COST OF M.H.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

COURT ST.
EXISTING & PROPOSED
DRAINAGE & UTILITIES PLAN

SCALE 1:500 DRAWN BY

DATE 8/17/2011 CHECKED BY

8/17/2011
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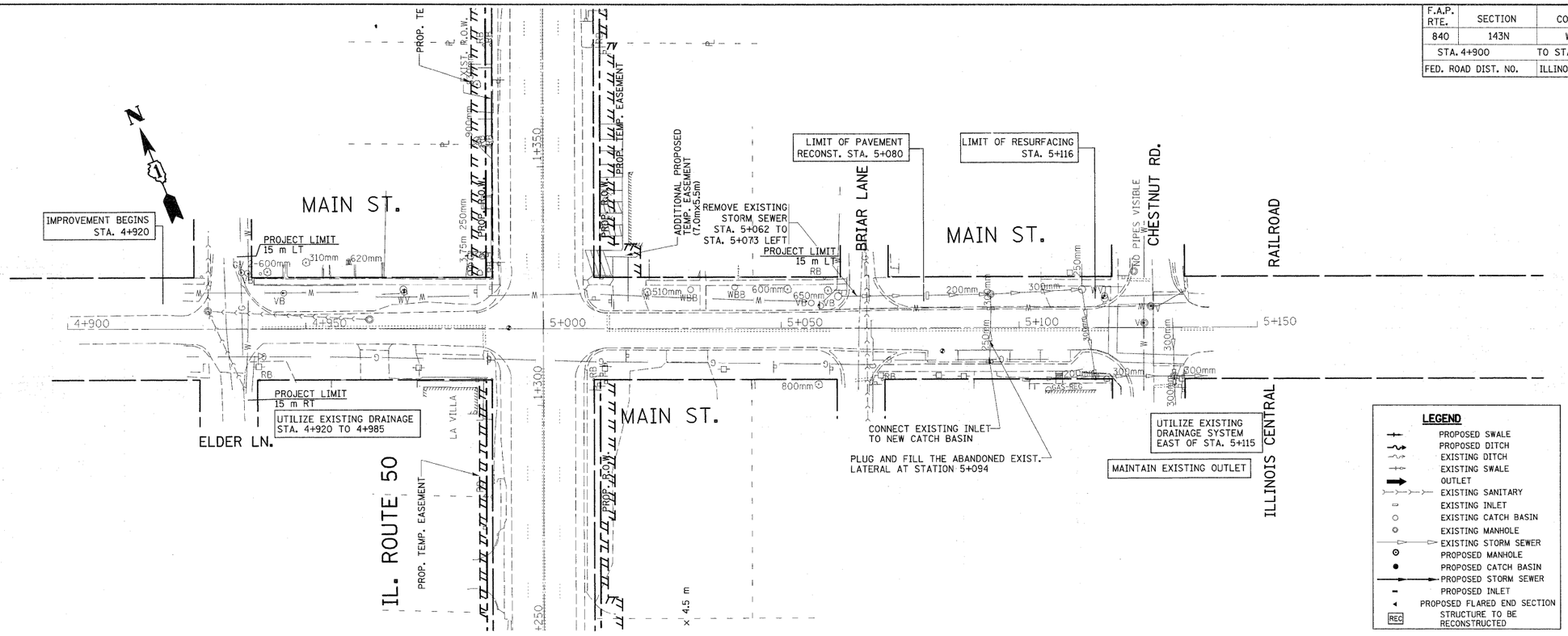
bauerdl

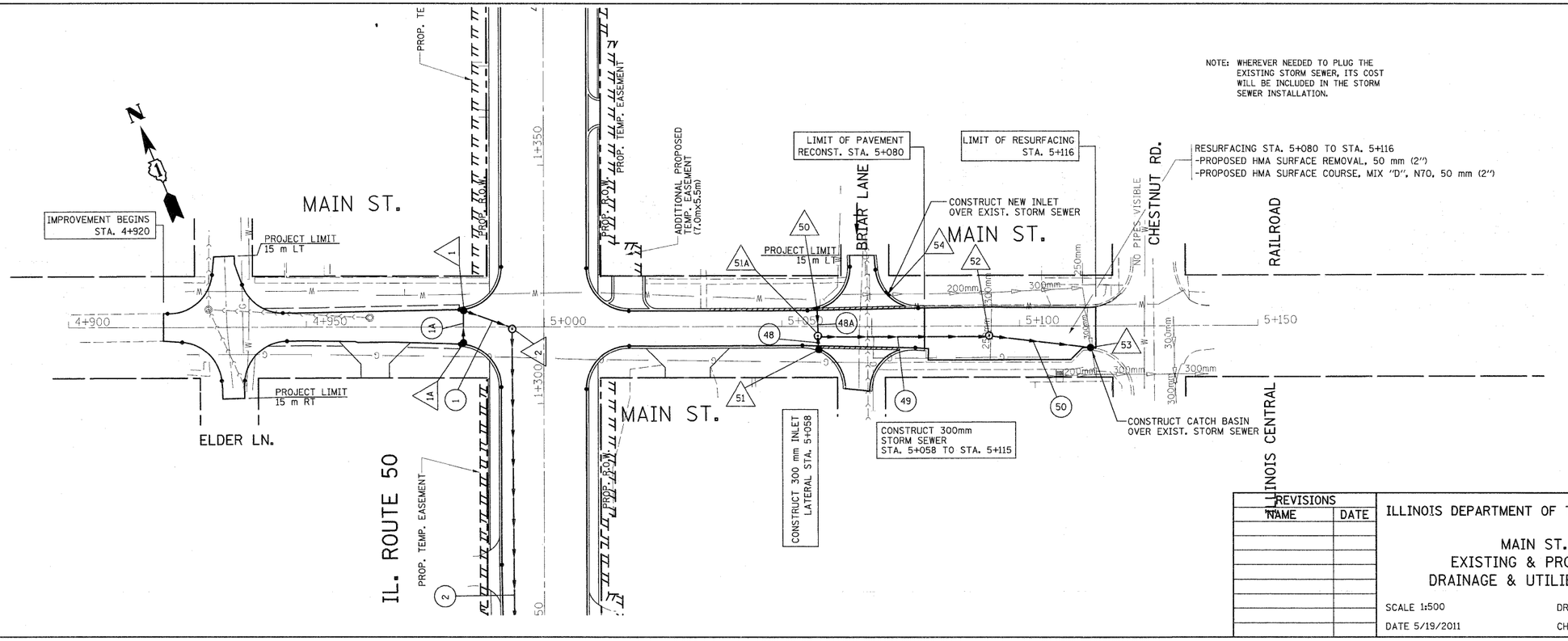
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	44
STA. 4+900		TO STA. 5+150		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



EXISTING

PROPOSED



NOTE: WHEREVER NEEDED TO PLUG THE EXISTING STORM SEWER, ITS COST WILL BE INCLUDED IN THE STORM SEWER INSTALLATION.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN ST.
EXISTING & PROPOSED
DRAINAGE & UTILIES PLAN

SCALE 1:500 DRAWN BY

DATE 5/19/2011 CHECKED BY

5/19/2011
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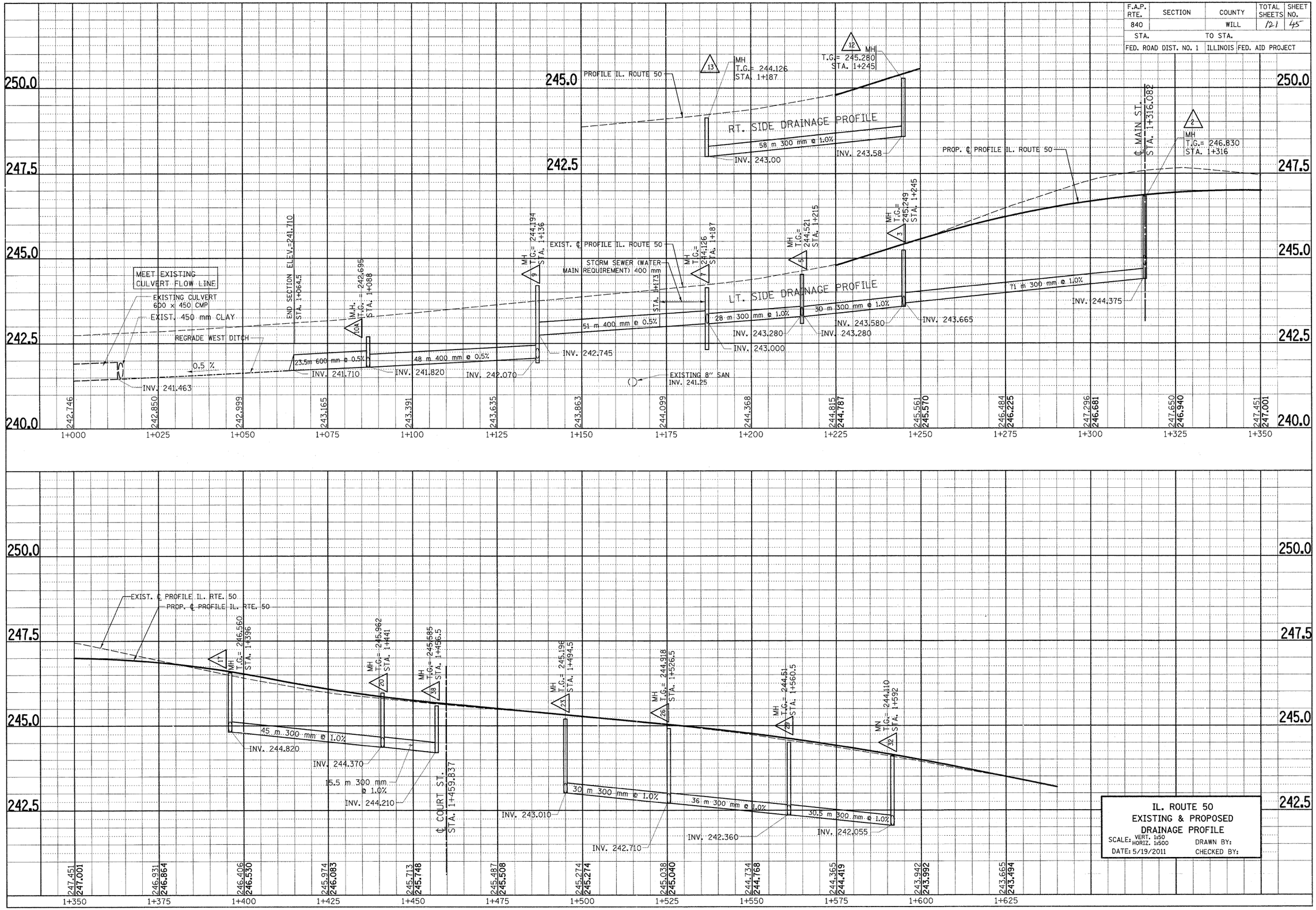
bauerdl

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	45
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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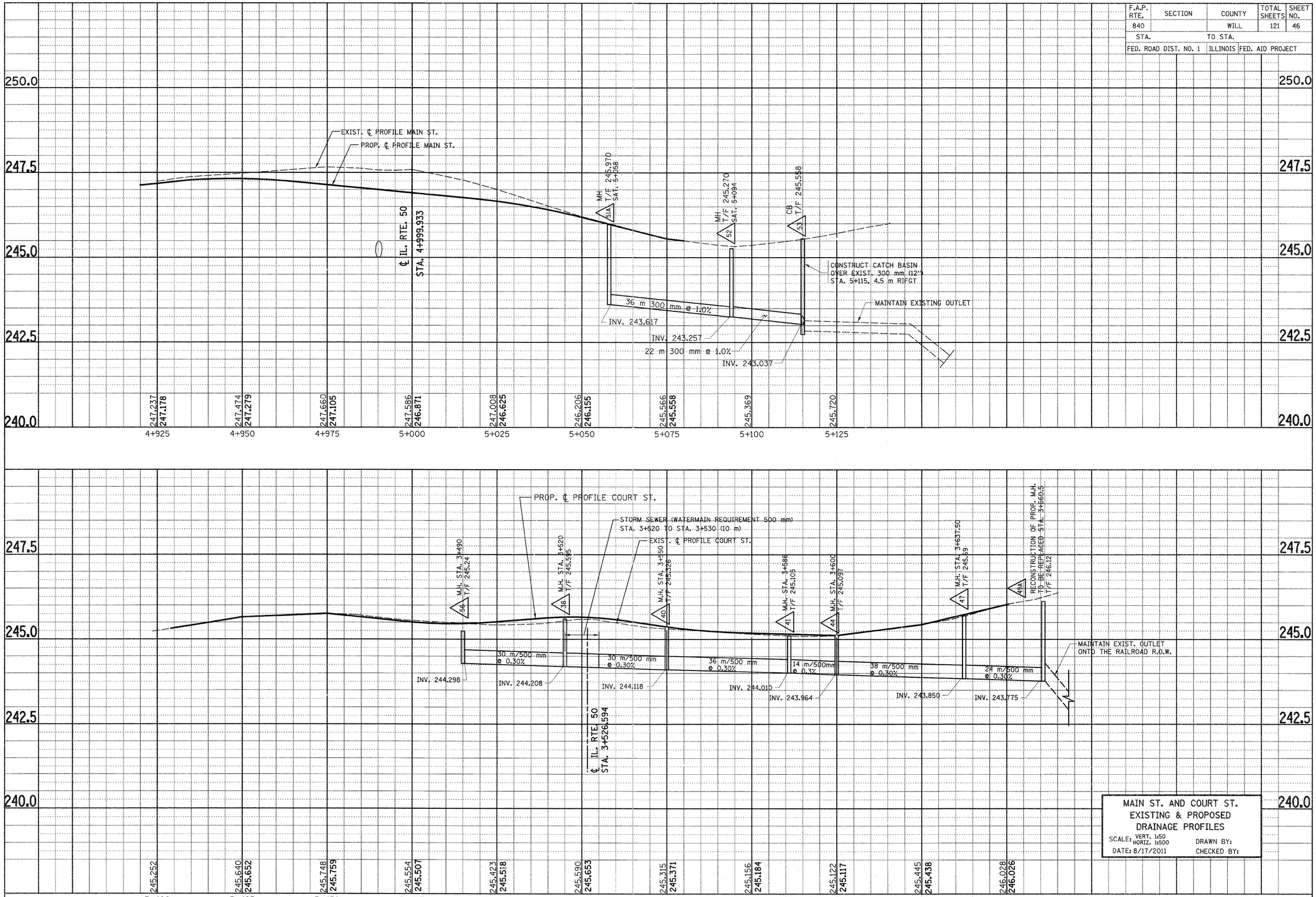
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	46
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



MAIN ST. AND COURT ST.
EXISTING & PROPOSED
DRAINAGE PROFILES

SCALE: VERT. 1:50 HORIZ. 1:500
DATE: 8/17/2011
DRAWN BY:
CHECKED BY:

8/17/2011
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bauerdl

CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

IL. 50 STRUCTURES

IL 50 (STRUCTURES)

1 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+320
T.G.=245.47
INV.=244.480

1A CATCH BASIN (TYPE 'C' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+312.5
T.G.=246.960
INV.=245.926

2 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+316
T.F.=246.056
N. INV.=244.375
S. INV.=244.375

3 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+245
T.F.=245.311
W. INV.=244.311
N. INV.=243.665
S. INV.=243.580

4 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+245
T.G.=245.261
INV.=244.336

5 MANHOLE (TYPE 'A' 1.2 M DIA WITH TYPE 1 FRAME, CLOSED LID) & GRATE, TYPE 23)
STA. 1+215
T.F.=244.540
N. INV.=243.280
W. INV.=243.420
S. INV=243.280

6 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+215
T.G.=244.490
INV.=243.445

7 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+187
T.F.=244.139
N. INV.=243.000
S. INV.=243.000
W. INV.=243.000

8 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+187
T.G.=244.119
INV.=243.013

9 MANHOLE (TYPE 'A' 1.2 M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+136
T.G.=244.194
N. INV.=242.070
S. INV.=242.070

10 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+088
T.G.=242.153
INV.=241.860

10A MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+086.5
T.F.=243.139
N. INV.=241.820
S. INV.=241.820
W. INV=241.820

10B FLARED END SECTION
STA. 1+064.5
INV.=241.710

11 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+245
T.G.=245.261
INV.=243.605

12 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+245
T.F.=245.311
E. INV.=243.580
S. INV.=243.580

IL. 50 STRUCTURES

13 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+187
T.F.=244.139
N. INV.=243.000
S. INV.=243.000

14 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+187
T.G.=244.119
INV.=243.025

15 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+176
T.G.=243.916
INV.=242.870

16 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+396
T.G.=246.442
INV.=244.800

17 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+396
T.F.=246.529
W. INV.=244.820
N. INV.=244.820
E. INV.=244.820

18 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+396.5
T.G.=246.442
INV.=244.960

19 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+441
T.G.=245.699
INV.=244.390

20 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+441
T.F.=245.739
S. INV.=244.370
N. INV.=244.370
W. INV.=244.370
E. INV.=244.370

21 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+441
T.G.=245.699
INV.=244.510

22 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+494.5
T.G.=245.170
INV.=243.150

23 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+494.5
T.F.=245.220
W. INV.=243.010
E. INV.=243.010
N. INV.=243.010

24 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+494.5
T.G.=245.170
INV.=243.030

25 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+525
T.G.=244.870
INV.=242.730

26 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+525
T.F.=244.920
S. INV.=242.710
N. INV.=242.710
W. INV.=242.710
E. INV.=242.710

27 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+530
T.G.=244.902
INV.=242.870

IL. 50 STRUCTURES

28 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+560.5
T.G.=244.646
INV.=242.380

29 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+560.5
T.F.=244.486
S. INV.=242.360
N. INV.=242.360
W. INV.=242.360
E. INV.=242.360

30 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+560
T.G.=244.420
INV.=242.500

31 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+590.5
T.G.=243.938
INV.=242.075

32 MANHOLE (TYPE 'A' 1.2M DIA. WITH TYPE 1 FRAME, CLOSED LID)
STA. 1+590.5
T.F.=244.013
N. INV.=242.055
S. INV.=242.055
W. INV.=242.055
E. INV.=242.055

33 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+590.5
T.G.=244.088
INV.=242.185

34 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 1+599.5
T.G.=243.761
INV.=241.960

COURT STREET STRUCTURES

35 CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 3+490
T.G.=245.378
INV.=244.336

35A CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 3+456
T.G.=245.623
N. INV.=244.930
E. INV.=245.0825

35B CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 3+464
T.G.=245.315
INV.=245.0825

35C CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 3+456
T.G.=245.638
INV.=243.921

35D CATCH BASIN (TYPE 'A' 1.2 M DIA WITH FRAME & GRATE, TYPE 23)
STA. 3+467
T.G.=245.565
INV.=243.888

36 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+490
T.F.=245.415
S. INV.=244.298
N. INV.=244.298
E. INV.=244.298

37 INLET
STA. 3+490
T.G.=245.378
INV.=244.455

38 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+520 (1+457 IL 50)
T.F.=245.609
W. INV.=244.208
E. INV.=244.208
S. INV.=244.21

COURT STREET STRUCTURES

39 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME
STA. 3+550
T.G.=245.289
INV.=244.155

40 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+550
T.F.=245.326
S. INV.=244.118
W. INV.=244.118
E. INV.=244.118
N. INV.=244.118

40A CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+544
T.G.=245.337
INV.=244.313

41 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+586
T.F.=245.013
N. INV.=244.010
W. INV.=244.010
E. INV.=244.010

42 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+586
T.G.=245.118
INV.=244.052

43 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+600
T.G.=245.042
INV.=244.002

44 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+600
T.F.=245.080
N. INV.=243.964
S. INV.=243.964
W. INV.=243.964
E. INV.=243.964

45 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+600
T.G.=244.990
INV.=244.006

46 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+640
T.G.=245.723
INV.=243.975

47 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
STA. 3+640
T.F.=245.753
N. INV.=243.950
S. INV.=243.950
W. INV.=243.850
E. INV.=243.850

48 CATCH BASIN (TYPE 'A' 1.2M DIA. WITH FRAME & GRATE TYPE 23)
STA. 3+640
T.G.=245.715
INV.=244.070

49 MANHOLE (EXISTING)
STA. 3+660
T.G.=246.220
INV.=243.75

49A MANHOLE (TYPE 'A' 1.2M DIA. TYPE 1 FRAME OPEN LID)
STA. 3+660.5
T.F.=246.167
S. INV.=244.120

MAIN STREET STRUCTURES

50 INLET
STA. 5+058
T.G.=245.898
INV.=243.67

51 CATCH BASIN (TYPE 'A' 1.2M DIA. TYPE I FRAME OPEN LID)
STA. 5+058
T.G.=245.824
INV.=243.662

51A MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
Sta. 5+058
T.F.=245.874
N. INV.=243.617
S. INV.=243.617
E. INV.=243.617

52 MANHOLE (TYPE 'A' 1.2M DIA. TYPE I FRAME CLOSED LID)
Sta. 5+094.5
T.F.=245.282
W. INV.=243.257
E. INV.=243.257

53 CATCH BASIN (TYPE 'A' 1.2M DIA. TYPE I FRAME OPEN LID)
STA. 5+115
T.G.=245.718
W. INV.=243.037
N. INV.=243.037
S. INV.=243.037

54 INLET
Sta. 5+064.5
T.G.=245.489
INV.=244.455

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. ROUTE 50 / COURT ST. & MAIN ST.
DRAINAGE STRUCTURES

DRAWN BY

DATE 5/19/2011 CHECKED BY

5/19/2011
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CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

IL. 50 PIPES

(1) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+316 TO STA. 1+320
7m, 300mm @ 1.5%
T.B. 15m³

(1A) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+312.5
6m, 300mm @ 1.5%
T.B. 15m³

(2) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA.1+316 TO STA. 1+245
71m, 300mm @ 1.0%
T.B. 150m³

(3) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+245
2.5m, 300mm @ 1.0%
T.B. 2m³

(4) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+245 TO STA. 1+215
30m, 300mm @ 1.0%
T.B. 18m³

(5) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+215
2.5m, 300mm @ 1.0%
T.B. 1m³

(6) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+187 TO STA. 1+215
28m, 300mm @ 1.0%
T.B. 10m³

(7) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+187
2.5m, 300mm @ 0.5%
T.B. 1m³

(8) STORM SEWER CLASS 'A', TYPE 1, 400 mm
STA. 1+187 TO STA. 1+136
51m, 400mm @ 0.5%
T.B. 120m³

(9) STORM SEWER CLASS 'A', TYPE 1, 400 mm
STA. 1+136 TO STA. 1+088
48m, 400mm @ 0.5%
T.B. 98m³

(10) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+088
5.5m, 300mm @ 1.0%
T.B. 10m³

(10A) STORM SEWER CLASS 'A', TYPE 2, 600 mm
STA. 1+064.5 TO STA. 1+088
23.5m, 600mm @ 0.5%
T.B. 5m³

(11) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+245
2.5m, 300mm @ 1.0%
T.B. 3m³

(12) STORM SEWER CLASS 'A', TYPE 2, 600 mm
STA. 1+187 TO STA. 1+245
58m, 600mm @ 1.0%
T.B. 29m³

(13) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+187
2.5m, 300mm @ 1.0%
T.B. 1m³

(14) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA. 1+175 TO STA. 1+185
13m, 300mm @ 1.0%
T.B. 4m³

(15) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+396.5
14m, 300mm @ 1.0%
T.B. 12m³

(16) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA. 1+396.5
4m, 300mm @ 1.0%
T.B. 4m³

IL. 50 PIPES (CONT'D.)

(17) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+396 TO STA. 1+441
45m, 300mm @ 1.0%
T.B. 1m³

(18) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+441
2m, 300mm @ 1.0%
T.B. 1m³

(19) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+441
14m, 300mm @ 1.0%
T.B. 8m³

(19A) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+441 To 1+456.5
15.5m, 300mm @ 1.0%
T.B. 9m³

(20) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+494.7
14m, 300mm @ 1.0%
T.B. 30m³

(21) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+494.5
2m, 300mm @ 1.0%
T.B. 6m³

(22) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+496.5 TO STA. 1+526.5
30m, 300mm @ 1.0%
T.B. 66m³

(23) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+526.5
2m, 300mm @ 1.0%
T.B. 5m³

(24) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+526.5 TO STA. 1+530
16m, 300mm @ 1.0%
T.B. 26m³

(25) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+526.5 TO STA. 1+561.5
36m, 300mm @ 1.0%
T.B. 82m³

(26) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+561.5
2m, 300mm @ 1.0%
T.B. 4m³

(27) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+561.5
14m, 300mm @ 1.0%
T.B. 28m³

(28) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+561.5 TO STA. 1+592
30.5m, 300mm @ 1.0%
T.B. 60m³

(29) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 1+590
2m, 300mm @ 1.0%
T.B. 4m³

(30) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA. 1+590
13m, 300mm @ 1.0%
T.B. 23m³

(31) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA. 1+590 TO STA. 1+599.5
9.5m, 300mm @ 1.0%
T.B. 18m³

COURT STREET PIPES

(32) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+490
2.5m, 500mm @ 1.5%
T.B. 1m³

(33) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+490
10.5m, 500mm @ 1.5%
T.B. 3m³

(34) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+490 to STA. 3+520.5
30.5m, 500mm @ 0.30%
T.B. 17m³

(35) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 5+546 to STA. 3+550
13m, 500mm @ 1.5%
T.B. 6m³

(36) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+520 to 3+550
30m, 500mm @ 0.30%
T.B. 16m³

(37) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+550
2.5m, 500mm @1.5%
T.B. 1m³

(38) STORM SEWER CLASS 'A', TYPE 1, 500 mm
STA. 3+550 to 3+586
36m, 500mm @ 0.30%
T.B. 8m³

(39) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+586
14m, 500mm @ 0.30%
T.B. 3m³

(40) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+586 to 3+600
14m, 500mm @ 0.30%
T.B. 3m³

(41) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+600
2.5m, 500mm @ 1.5%
T.B. 1m³

(42) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+600
12m, 500mm @ 0.35%
T.B. 6m³

(43) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+600 to 3+640
40m, 500mm@ 0.30%
T.B. 29m³

(44) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+640
2.5m, 500mm @ 1.0%
T.B. 3m³

(45) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+640
8m, 500mm @ 1.5%
T.B. 3m³

(46) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+640 to 3+660
20.5m, 500mm @ 0.30%
T.B. 44m³

(47) STORM SEWER CLASS 'A', TYPE 2, 500 mm
STA. 3+660.79
5.5m, 500mm @ 0.30%
T.B. 12m³

MAIN STREET PIPES

(48) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA.5+058
3m, 300mm @ 1.0%
T.B. 7m³

(48A) STORM SEWER CLASS 'A', TYPE 1, 300 mm
STA.5+058
6m, 300mm @ 1.0%
T.B. 3m³

(49) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 5+094 TO STA. 5+100
36m, 300mm @ 1.0%
T.B. 66m³

(50) STORM SEWER CLASS 'A', TYPE 2, 300 mm
STA. 5+100 TO STA. 5+116
22m, 300mm @ 1.0%
T.B. 47m³

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

IL. ROUTE 50 / COURT ST.
& MAIN ST.
PIPE TABLES

DRAWN BY

DATE 5/19/2011 CHECKED BY

5/19/2011
c:\pw_work\pwidot\bauerdl\d0198247\P102397-stt-drain.dgn
bauerdl

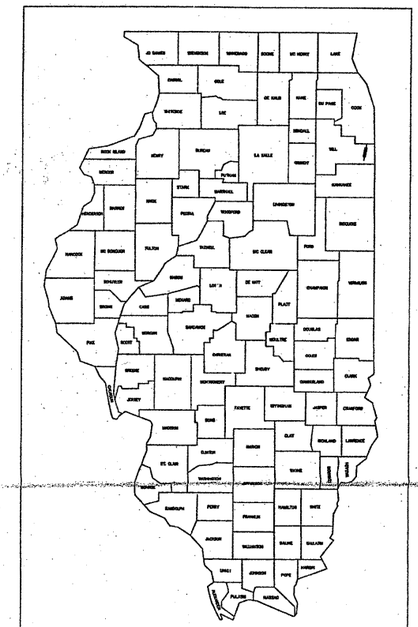
CONTRACT # 60445

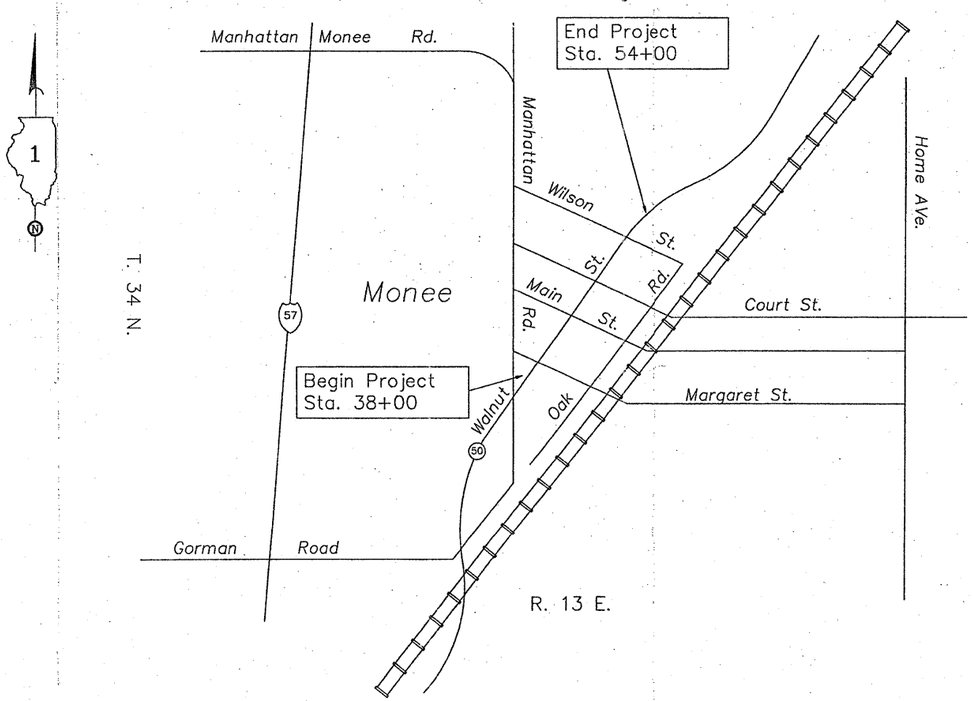
F.A.RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 840	143N	WILL	121	49
F.H.W.A. REG.		ILLINOIS	PROJECT	

* F.A.P. 840 (IL 50)

STATE OF ILLINOIS **FOR INFORMATION ONLY**
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLANS
FOR PROPOSED
FEDERAL AID HIGHWAY

ROUTE : F.A.P. 840 (IL 50)
SECTION : 143N
PROJECT NO. :
JOB NO. : R91-004-01
COUNTY : WILL
LIMITS





STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED _____ 20__
DISTRICT ENGINEER

EXAMINED _____ 20__
DISTRICT RIGHT OF WAY PLANS ENGINEER

PASSED _____ 20__
DISTRICT LAND ACQUISITION ENGINEER

REVIEWED _____ 20__
CENTRAL BUREAU RIGHT OF WAY PLANS ENGINEER

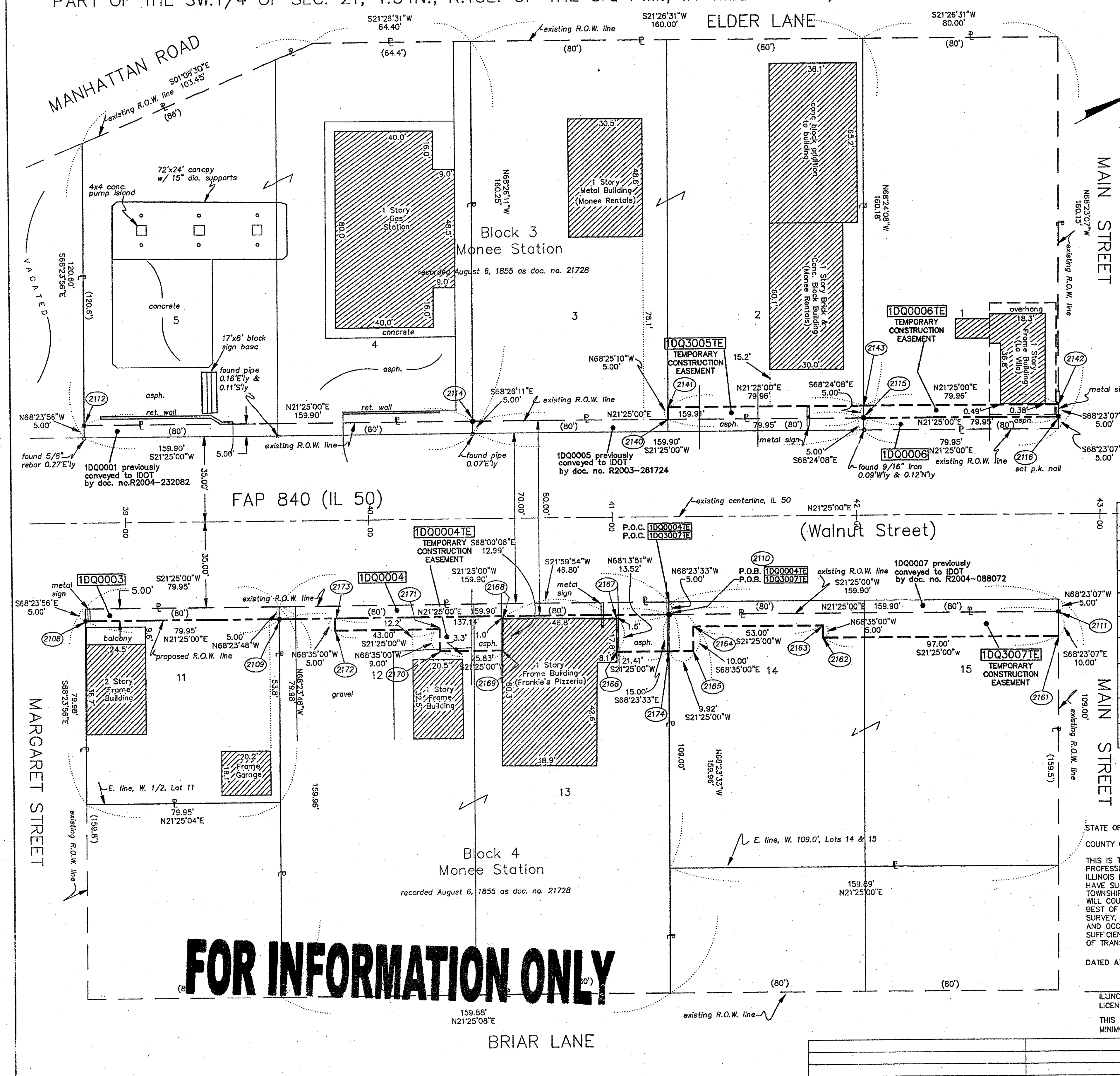
APPROVED _____ 20__
ENGINEER OF LAND ACQUISITION

RECEIVED
MAY 21 2010
PLATS & LEGALS

RTA JOB NO. 2010-0381

Project Length = 1607.61 L.F. = 0.304 Miles, F.A.P. 840 (IL 50)

PART OF THE SW.1/4 OF SEC. 21, T.34N., R.13E. OF THE 3rd P.M., IN WILL COUNTY, ILLINOIS.



FOR INFORMATION ONLY

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
38+82.97	40.00' RT.	2108	1731332.318	1145148.542
39+62.92	40.00' RT.	2109	1731406.746	1145177.735
41+22.82	40.00' RT.	2110	1731555.600	1145236.121
42+82.71	40.00' RT.	2111	1731704.459	1145294.508
38+83.23	40.00' LT.	2112	1731361.770	1145074.160
40+43.13	40.00' LT.	2114	1731510.629	1145132.548
42+03.04	40.00' LT.	2115	1731659.495	1145190.938
42+82.99	40.00' LT.	2116	1731733.928	1145220.133
41+23.08	40.00' LT.	2140	1731585.062	1145161.743
41+23.10	45.00' LT.	2141	1731586.901	1145157.093
42+83.01	45.00' LT.	2142	1731735.770	1145215.484
42+03.05	45.00' LT.	2143	1731661.335	1145186.289
42+82.68	50.00' RT.	2161	1731700.775	1145303.805
41+85.68	50.00' RT.	2162	1731610.473	1145268.385
41+85.68	45.00' RT.	2163	1731612.299	1145263.731
41+32.68	45.00' RT.	2164	1731562.958	1145244.378
41+32.68	55.00' RT.	2165	1731559.307	1145253.687
41+01.36	55.00' RT.	2166	1731530.146	1145242.249
41+01.44	41.49' RT.	2167	1731535.158	1145229.698
40+54.64	41.01' RT.	2168	1731491.765	1145212.168
40+54.51	54.00' RT.	2169	1731486.900	1145224.212
40+28.68	54.00' RT.	2170	1731462.853	1145214.781
40+28.68	45.00' RT.	2171	1731466.140	1145206.402
39+85.68	45.00' RT.	2172	1731426.109	1145190.701
39+85.68	40.00' RT.	2173	1731427.935	1145186.046
41+22.77	55.00' RT.	2174	1731550.077	1145250.067

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
129.32' — MEASURED DIMENSION
129.32'(COMP) — COMPUTED DIMENSION
( ) — RECORD DATA
EXISTING BUILDING

○ IRON PIPE OR ROD FOUND — REPLACED AFTER CONSTRUCTION
+ CUT CROSS FOUND OR SET
● T1 T2 T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT1 BT2 BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
1DQ0001	WILLIAM J. MCENERY, TRUSTEE OF WILLIAM J. MCENERY REVOCABLE TRUST	0.545	0.018	0.527	N/A	N/A	N/A	14-21-311-003 14-21-311-006	
1DQ0003	GERALD D. HAYES & MARY J. HAYES	0.147	0.009 400 S.F.	0.138	N/A	N/A	N/A	14-21-312-005	
1DQ0004	FRANK APRILE & JANE S. APRILE	0.587	0.018	0.569	N/A	0.022	GRADING	14-21-312-003 14-21-312-004	
1DQ0005	JEFFREY ZAWASKI & LINDA ZAWASKI	0.588	0.018	0.570	N/A	N/A	N/A	14-21-311-005 14-21-311-007	
1DQ3005	JEFFREY ZAWASKI	0.570	N/A	0.570	N/A	0.009 400 S.F.	GRADING	14-21-311-005 14-21-311-007	
1DQ0006	PEOTONE BANK & TRUST CO. TR. NO. 9-1400	0.294	0.009 400 S.F.	0.285	N/A	0.009 400 S.F.	GRADING	14-21-311-001	
1DQ0007	CLIFFORD C. & COLLEEN E. MIKUCE	0.400	0.018	0.382	N/A	N/A	N/A	14-21-312-001	
1DQ[illegible]07	CLIFFORD C. & COLLEEN E. MIKUCE	0.382	N/A	0.382	N/A	0.032	GRADING	14-21-312-001	

SS
RECEIVED
JUN 10 2010
PLATS & LEGALS

NOTES:
BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM (NAD83)
SEE SHEETS 6 AND 7 FOR REFERENCE TIES AND COORDINATE VALUES OF SET MONUMENTATION

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 21, TOWNSHIP 34 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RTA JOB NO. 2010-0381

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 840 (IL 50)

SECTION 143N — WILL COUNTY
PROJECT — JOB NO. R91-004-01
STATION 38+00 — TO STATION 43+00
SCALE: 1"=20' — SHEET 2 OF 7

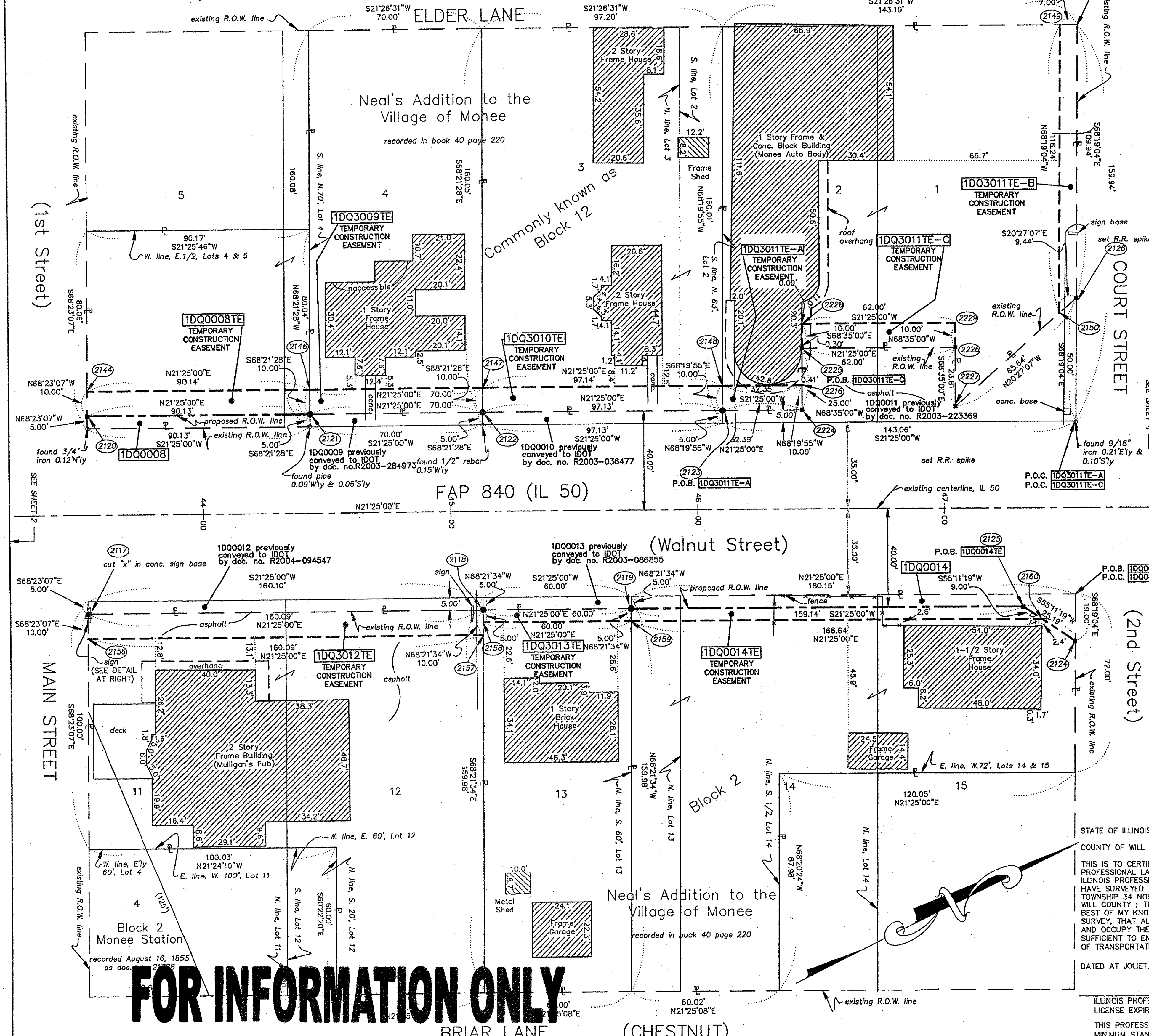
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE 6-10-10 | REVISION PER IDOT REVIEW | MADE BY TLW

CONTRACT #6445

51 OF 121

PART OF THE NW.1/4 OF SEC. 21, T.34N., R.13E. OF THE 3rd P.M., IN WILL COUNTY, ILLINOIS.



COORDINATE TABLE

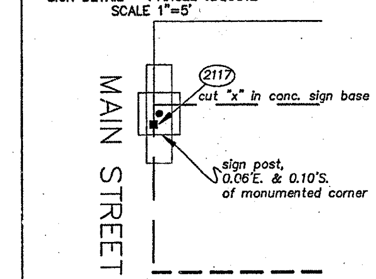
STATION	OFFSET	PT#	NORTH	EAST
43+52.72	40.00' RT.	2117	1731769.625	1145320.068
45+12.81	40.00' RT.	2118	1731918.665	1145378.527
45+72.81	40.00' RT.	2119	1731974.522	1145400.436
43+52.99	40.00' LT.	2120	1731799.095	1145245.694
44+43.13	40.00' LT.	2121	1731883.005	1145278.606
45+13.13	40.00' LT.	2122	1731948.172	1145304.166
46+10.26	40.00' LT.	2123	1732038.598	1145339.635
47+52.89	54.00' RT.	2124	1732137.054	1145479.225
47+31.95	40.00' RT.	2125	1732122.677	1145458.547
47+53.53	85.00' LT.	2126	1732188.410	1145350.058
43+53.03	50.00' LT.	2144	1731802.778	1145236.397
44+43.16	50.00' LT.	2146	1731886.693	1145269.311
45+13.17	50.00' LT.	2147	1731951.860	1145294.871
46+10.30	50.00' LT.	2148	1732042.291	1145330.341
47+47.04	194.94' LT.	2149	1732222.513	1145245.337
47+46.50	78.70' LT.	2150	1732179.565	1145353.356
43+52.68	50.00' RT.	2156	1731765.942	1145329.365
45+12.77	50.00' RT.	2157	1731914.977	1145387.822
45+12.79	45.00' RT.	2158	1731916.821	1145383.174
45+72.79	45.00' RT.	2159	1731972.678	1145405.083
47+39.43	45.00' RT.	2160	1732127.812	1145465.932
46+42.65	50.00' LT.	2216	1732072.405	1145342.153
46+42.65	40.00' LT.	2224	1732068.753	1145351.463
46+42.65	65.00' LT.	2225	1732077.882	1145328.189
47+04.65	65.00' LT.	2226	1732135.601	1145350.828
47+04.65	41.19' LT.	2227	1732126.906	1145372.994
46+42.65	75.00' LT.	2228	1732081.533	1145318.879
47+04.65	75.00' LT.	2229	1732139.252	1145341.519

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32'(COMP) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING
- ○ IRON PIPE OR ROD FOUND — REPLACED AFTER CONSTRUCTION
- \+ CUT CROSS FOUND OR SET
- ● T1 T2 T3 — **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1 BT2 BT3 — **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
1DQ0008	AARON SEARS & THOMAS J. NEEDAM	0.166	0.010	0.156	N/A	0.021	GRADING	14-21-122-007	
1DQ0009	SUBURBAN BANK & TRUST CO. TRUST NO. 74-1088	0.257	0.008 350 SF	0.249	N/A	N/A	N/A	14-21-122-004	
1DQ3009	SUBURBAN BANK & TRUST CO. TRUST NO. 74-1088	0.249	N/A	0.249	N/A	0.016	GRADING	14-21-122-004	
1DQ0010	PHILLIP A. & DOLORES E. SOUTHERLAND	0.357	0.011	0.346	N/A	N/A	N/A	14-21-122-003	
1DQ3010	PHILLIP A. & DOLORES E. SOUTHERLAND	0.346	N/A	0.346	N/A	0.022	GRADING	14-21-122-003	
1DQ0011	WES KOCHEL, INC.	0.526	0.078	0.448	N/A	N/A	N/A	14-21-122-001 14-21-122-002	
1DQ3011	EDWARD CHLEBDA & WLADYSLAW KOWALCZYK	0.448	N/A	0.448	N/A	A-0.007 324S.F. B-0.018 C-0.014	GRADING GRADING GRADING	14-21-122-001 14-21-122-002	
1DQ0012	THOMAS F. FEE	0.450	0.018	0.432	N/A	N/A	N/A	14-21-123-010	
1DQ3012	PEOTONE BANK & TRUST CO. TR. NO. 9-1375	0.432	N/A	0.432	N/A	0.037	GRADING	14-21-123-010	
1DQ0013	LEONARD V. LAIR & DEBRA L. LAIR	0.220	0.007 300 SF	0.213	N/A	N/A	N/A	14-21-123-005	
1DQ3013	LEONARD V. LAIR & DEBRA L. LAIR	0.213	N/A	0.213	N/A	0.007 300 SF	GRADING	14-21-123-005	
1DQ0014	FIRST MIDWEST TRUST CO. TRUST NO. 7061	0.419	0.024	0.395	N/A	0.019	GRADING	14-21-123-004 14-21-123-001	

SIGN DETAIL – PARCEL 1DQ0012
SCALE 1"=5'



55
RECEIVED
JUN 14 2010
PLATS & LEGALS

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

NOTES:

BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM (NAD83)

SEE SHEETS 6 AND 7 FOR REFERENCE TIES AND COORDINATE VALUES OF SET MONUMENTATION

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 21, TOWNSHIP 34 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. RTA JOB NO. 2010-0381

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 840 (IL 50)

SECTION 143N — WILL COUNTY
PROJECT — JOB NO. R91-004-01
STATION 43+50 — TO STATION 47+50
SCALE: 1"=20' — SHEET 3 OF 7

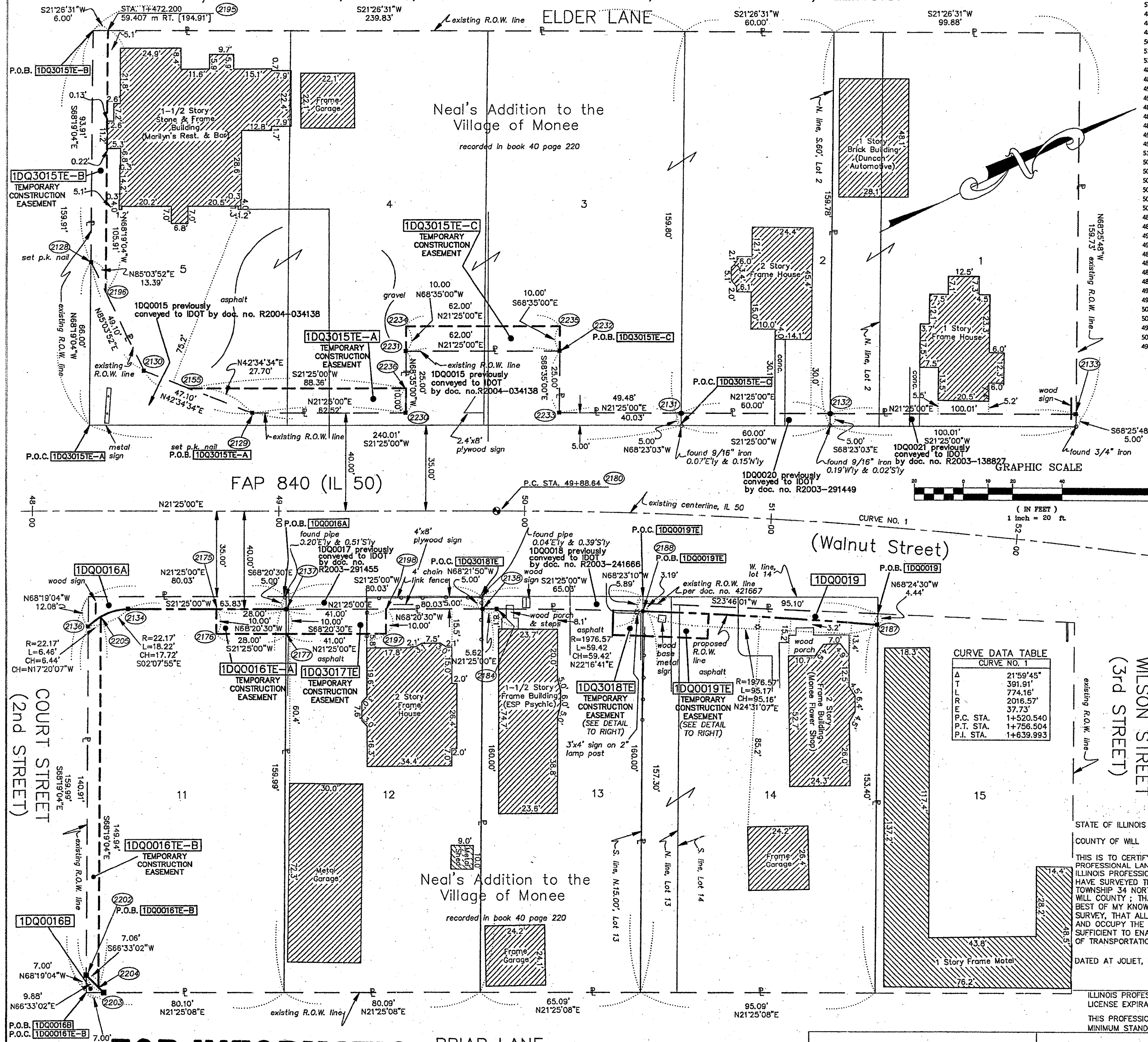
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

	6-14-10	PER IDOT REVIEW	TLW
REVISION DATE	6-10-10	REVISION PER IDOT REVIEW	MADE BY TLW

CONTRACT # 60445

52 of 121

PART OF THE NW.1/4 OF SEC. 21, T.34N., R.13E. OF THE 3rd P.M., IN WILL COUNTY, ILLINOIS.



CURVE DATA TABLE	
CURVE NO. 1	
Δ	21°59'45"
T	391.91'
L	774.16'
R	2016.57'
E	37.73'
P.C. STA.	1+520.540
P.T. STA.	1+756.504
P.I. STA.	1+639.993

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
48+23.61	101.00' LT.	2128	1732259.488	1145360.751
48+89.32	40.00' LT.	2129	1732298.393	1145441.535
48+45.40	57.00' LT.	2130	1732263.713	1145409.671
50+61.85	41.36' LT.	2131	1732460.384	1145505.073
51+20.52	44.41' LT.	2132	1732516.242	1145526.982
52+17.78	53.35' LT.	2133	1732609.344	1145563.500
48+39.16	40.00' RT.	2134	1732222.482	1145497.694
48+22.92	47.08' RT.	2136	1732204.779	1145498.353
49+02.99	40.00' RT.	2137	1732281.902	1145521.000
49+83.02	40.00' RT.	2138	1732356.409	1145550.225
48+63.49	50.00' LT.	2155	1732277.993	1145422.792
48+74.93	40.00' RT.	2175	1732255.782	1145510.755
48+74.93	50.00' RT.	2176	1732252.130	1145520.065
49+02.95	50.00' RT.	2177	1732278.211	1145530.294
49+88.64	40.00' RT.	2184	1732361.638	1145552.275
51+46.36	40.00' RT.	2187	1732503.201	1145614.292
50+49.26	40.00' RT.	2188	1732416.623	1145574.802
50+37.10	50.00' RT.	2189	1732401.772	1145579.369
50+76.46	50.00' RT.	2190	1732437.011	1145594.584
50+76.46	40.00' RT.	2191	1732441.064	1145585.442
50+37.10	40.00' RT.	2192	1732405.646	1145570.150
50+49.54	50.00' RT.	2193	1732412.938	1145584.102
48+30.04	194.91' LT.	2195	1732299.769	1145275.678
48+29.55	89.00' LT.	2196	1732260.640	1145374.093
49+43.95	50.00' RT.	2197	1732316.380	1145545.265
49+43.99	40.00' RT.	2198	1732320.070	1145535.971
48+22.27	187.99' RT.	2202	1732152.717	1145629.296
48+29.24	194.99' RT.	2203	1732156.648	1145638.357
48+27.25	192.99' RT.	2204	1732155.525	1145635.768
48+27.94	43.05' RT.	2205	1732210.922	1145496.435
49+51.85	40.00' LT.	2230	1732356.600	1145464.366
49+51.85	65.00' LT.	2231	1732365.729	1145441.092
50+13.06	65.15' LT.	2232	1732423.448	1145463.731
50+13.36	40.15' LT.	2233	1732414.319	1145487.005
49+51.85	75.00' LT.	2234	1732369.380	1145431.782
50+12.94	75.15' LT.	2235	1732427.099	1145454.422
49+51.85	50.00' LT.	2236	1732360.252	1145455.056

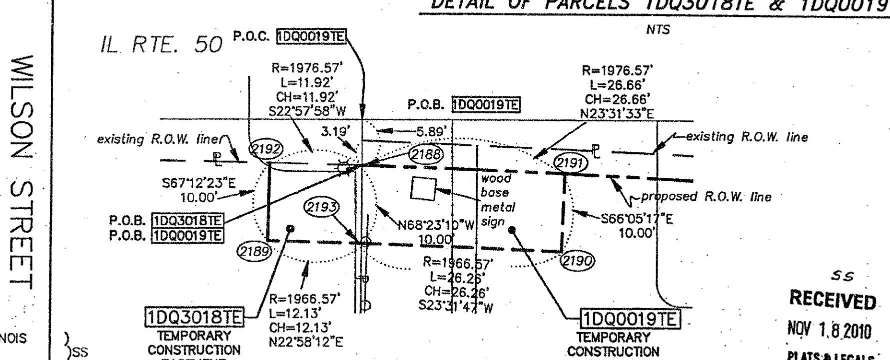
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32'(COMP) — COMPUTED DIMENSION
- ( ) — RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND — REPLACED AFTER CONSTRUCTION
- CUT CROSS FOUND OR SET
- T1, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
1DQ0015	BETTY J. SANDLING	0.881	0.091	0.789	N/A	N/A	N/A	14-21-105-003 14-21-105-004	
1DQ3015	J. REV LLC	1.002	N/A	1.002	N/A	A-0.017 B-0.014 C-0.014	GRADING	14-21-105-003 14-21-105-004 14-21-105-002	
1DQ0016	PAUL D. & MARSHA J. TORSTRICK	0.294	A-0.010 B-0.001 25 SF	0.283	N/A	A-0.006 280 S.F. B-0.017	GRADING	14-21-106-005	
1DQ0017	JEAN O. STELTER, AS TRUSTEE, TRUST NO. 101	0.294	0.009 400 SF	0.285	N/A	N/A	N/A	14-21-106-004	
1DQ3017	LOUIS R. STELTER & JEAN O. STELTER	0.285	N/A	0.285	N/A	0.009 410 SF	GRADING	14-21-106-004	
1DQ0018	SKIPPER JOHNS & ANGIE JOHNS	0.239	0.008 343	0.231	N/A	N/A	N/A	14-21-106-003	
1DQ3018	PETE JOHNS & LIZ JOHNS	0.231	N/A	0.231	N/A	0.003 120	GRADING	14-21-106-003	
1DQ0019	LARRY M. & DIANE M. SHRIEY	0.339	0.008 326 SF	0.331	N/A	0.006 265 SF	GRADING	14-21-106-002	
1DQ0020	J. REV LLC	0.220	0.007 300 SF	0.213	N/A	N/A	N/A	14-21-105-002	
1DQ0021	FIRST UNITED BANK, AS TRUSTEE, TRUST NO. 1776	0.367	0.012	0.355	N/A	N/A	N/A	14-21-105-001	

DETAIL OF PARCELS 1DQ3018TE & 1DQ0019TE

NTS



SS

RECEIVED
NOV 18 2010
PLATS & LEGALS

STATE OF ILLINOIS)
COUNTY OF WILL) SS

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. RTA JOB NO. 2010-0381

NOTES:

BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM (NAD83)
SEE SHEETS 6 AND 7 FOR REFERENCE TIES AND COORDINATE VALUES OF SET MONUMENTATION

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

	11-18-10		0016 OWNER CHANGE	TLW
	6-15-10		PER IDOT REVIEW	TLW
	6-14-10		PER IDOT REVIEW	TLW
REVISION DATE	6-10-10	REVISION	PER IDOT REVIEW	MADE BY TLW

PLAT OF HIGHWAYS

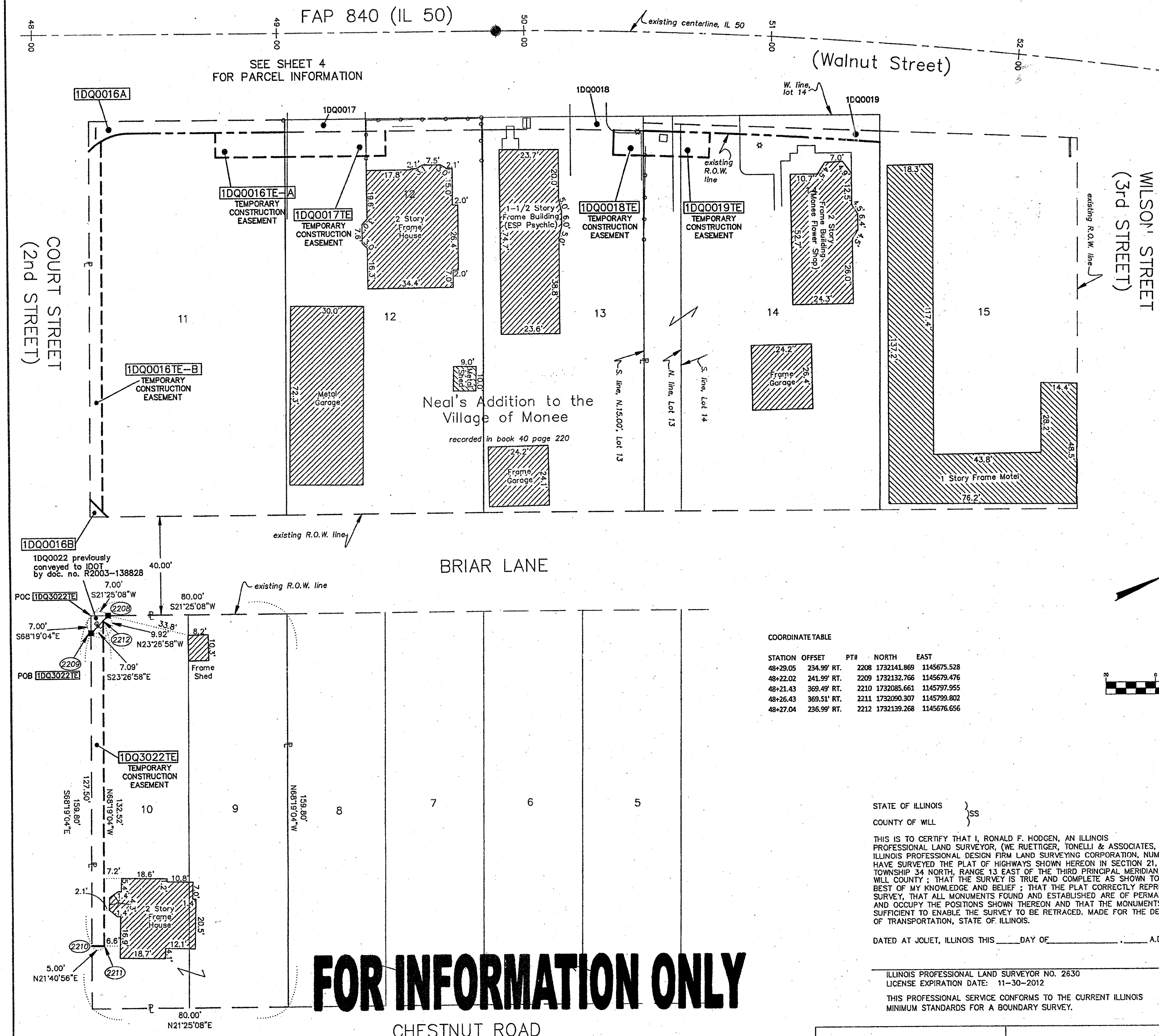
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 840 (IL 50)

SECTION 143N — WILL COUNTY
PROJECT — JOB NO. R91-004-01
STATION 48+00 — TO STATION 53+00
SCALE: 1"=20' — SHEET 4 OF 7

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

FOR INFORMATION ONLY

PART OF THE NW.1/4 OF SEC. 21, T.34N., R.13E. OF THE 3rd P.M., IN WILL COUNTY, ILLINOIS.



FOR INFORMATION ONLY

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
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- EXISTING BUILDING

- ○ IRON PIPE OR ROD FOUND — REPLACED AFTER CONSTRUCTION
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PARCEL NO.	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
1DQ0022	MARK W. & KAREN LEE DUNCAN	0.294	0.001 25 S.F.	0.293	N/A	N/A	N/A	14–21–107–005	
1DQ3022	MARK W. & KAREN LEE DUNCAN, CO–TRUSTEES OF THE DUNCAN TRUST	0.293	N/A	0.293	N/A	0.015	GRADING	14–21–107–005	

COORDINATE TABLE

STATION	OFFSET	PT#	NORTH	EAST
48+29.05	234.99' RT.	2208	1732141.869	1145675.528
48+22.02	241.99' RT.	2209	1732132.766	1145679.476
48+21.43	369.49' RT.	2210	1732085.661	1145797.955
48+26.43	369.51' RT.	2211	1732090.307	1145799.802
48+27.04	236.99' RT.	2212	1732139.268	1145676.656

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

RECEIVED
NOV 18 2010
PLATS & LEGALS

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 21, TOWNSHIP 34 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL 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.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11–30–2012

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NOTES:

BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM (NAD83)

SEE SHEETS 6 AND 7 FOR REFERENCE TIES AND COORDINATE VALUES OF SET MONUMENTATION

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2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744–6600 FAX (815) 744–0101

RTA JOB NO. 2010–0381

11–18–10	3022 OWNER CHANGE	TLW	
REVISION DATE 6–10–10	REVISION IDOT REVIEW	MADE BY TLW	

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 840 (IL 50)

SECTION 143N — WILL COUNTY
PROJECT — JOB NO. R91–004–01
STATION 48+00 TO STATION 53+00
SCALE: 1"=20' — SHEET 5 OF 7

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

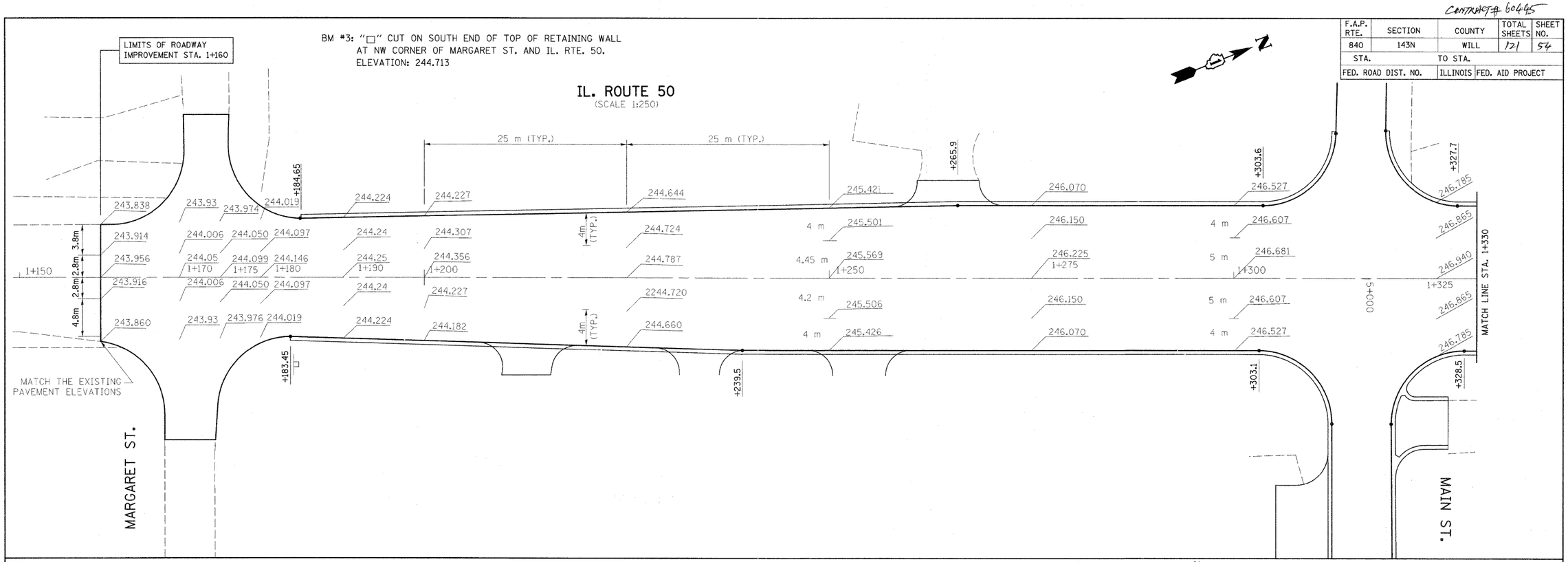
CONTRACT # 60465

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

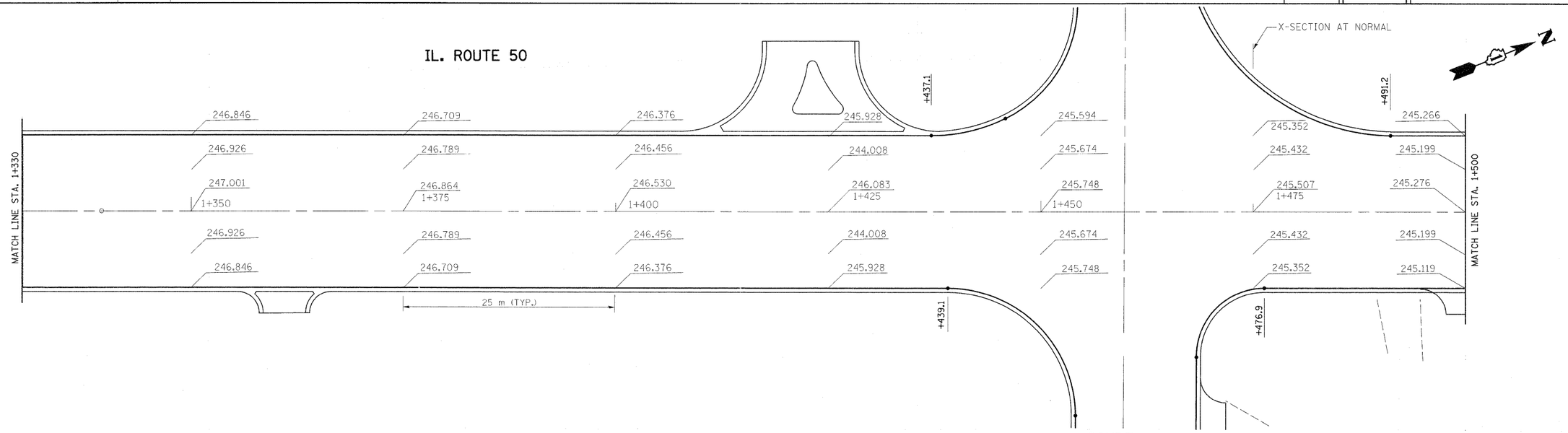
LIMITS OF ROADWAY IMPROVEMENT STA. 1+160

BM #3: "□" CUT ON SOUTH END OF TOP OF RETAINING WALL AT NW CORNER OF MARGARET ST. AND IL. RTE. 50. ELEVATION: 244.713

IL. ROUTE 50
(SCALE 1:250)



IL. ROUTE 50



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT ELEVATIONS FOR IL. ROUTE 50

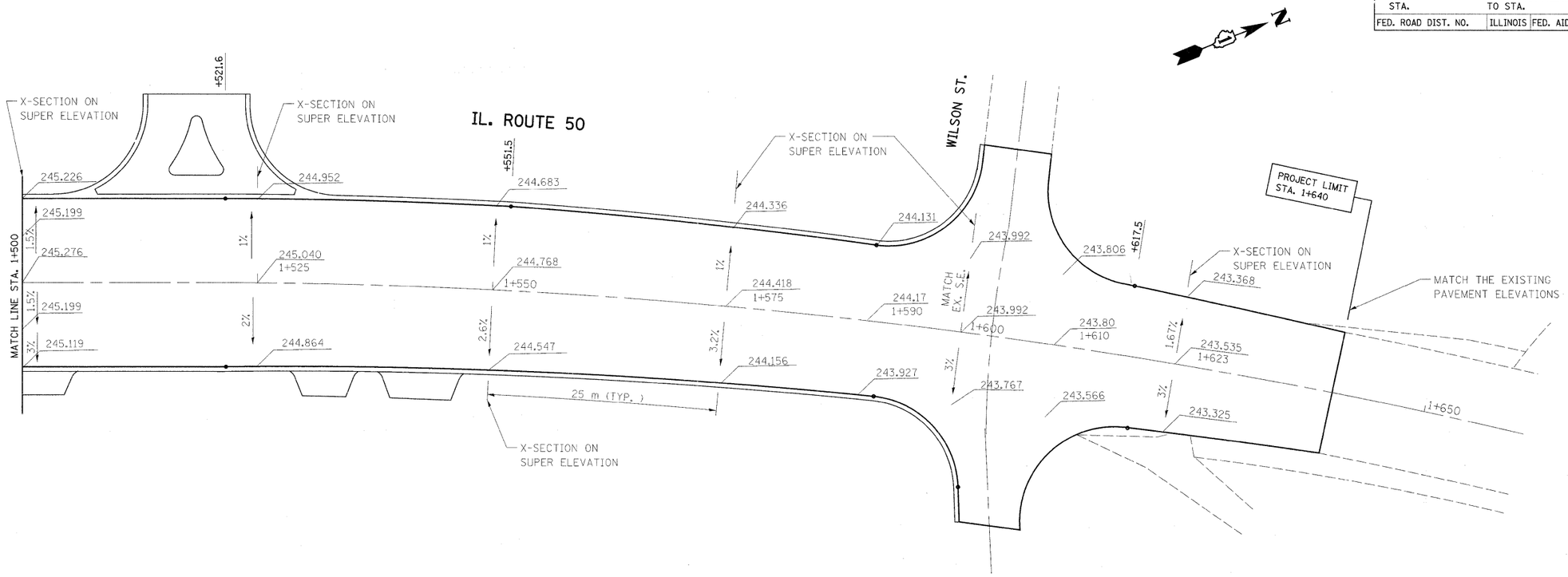
SCALE 1:250 — DRAWN BY CADD

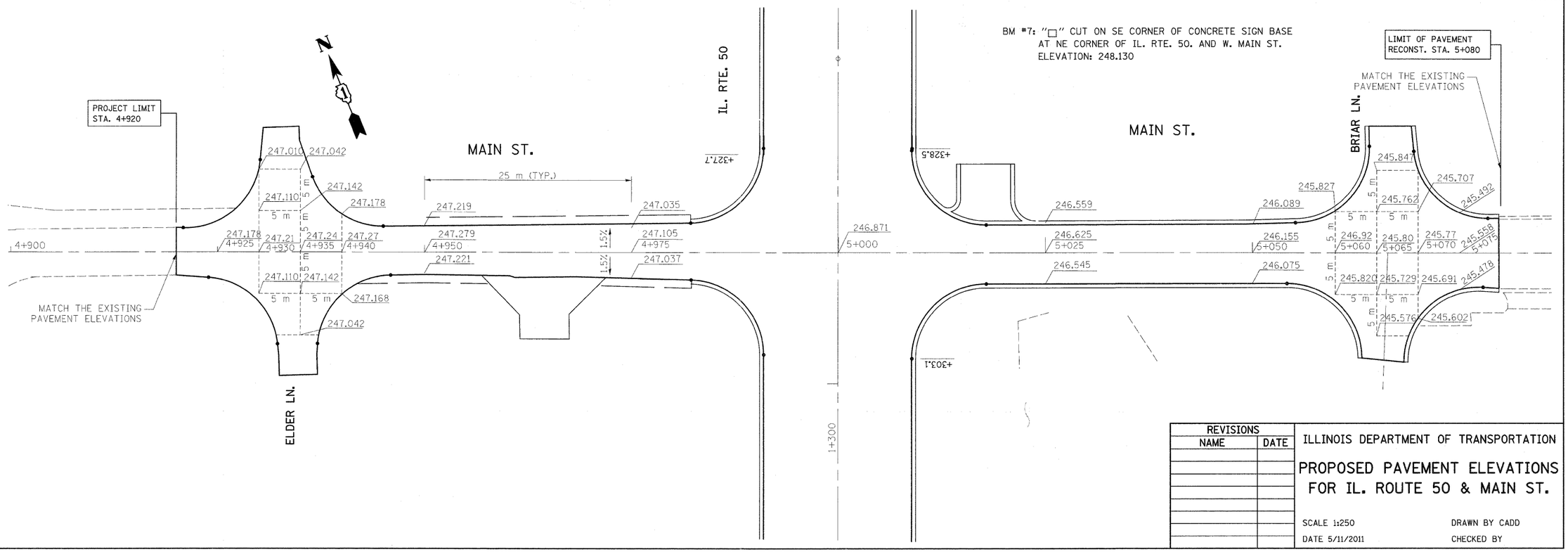
DATE 5/11/2011 — CHECKED BY

5/11/2011
c:\pw_work\pwidot\bauerdl\d0198247\PI02397-sht-plan.dgn
bauerdl

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	129	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT ELEVATIONS FOR IL. ROUTE 50 & MAIN ST.

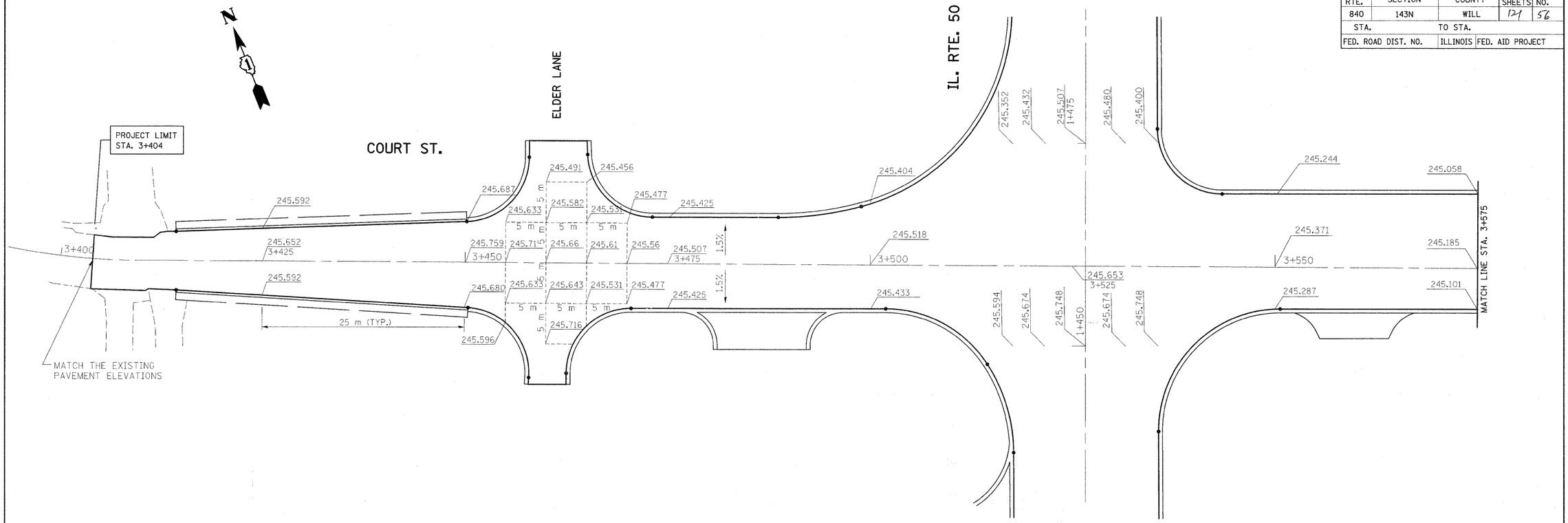
SCALE 1:250 — DRAWN BY CADD

DATE 5/11/2011 — CHECKED BY

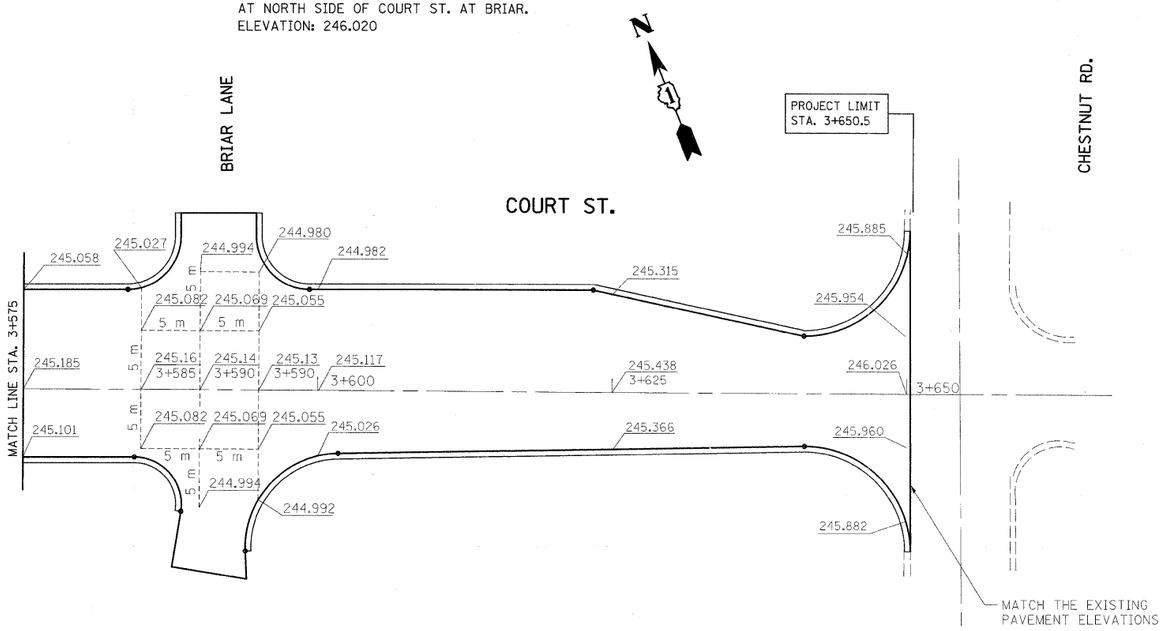
5/11/2011
c:\pw_work\pwidot\bauerdl\d0198247\PI02397-sht-plandgn
bauerdl

CONTRACT # 60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	56
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



BM #11: ON NW FLANGE BOLT ON FIRE HYDRANT
AT NORTH SIDE OF COURT ST. AT BRIAR.
ELEVATION: 246.020



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT ELEVATIONS FOR COURT ST.

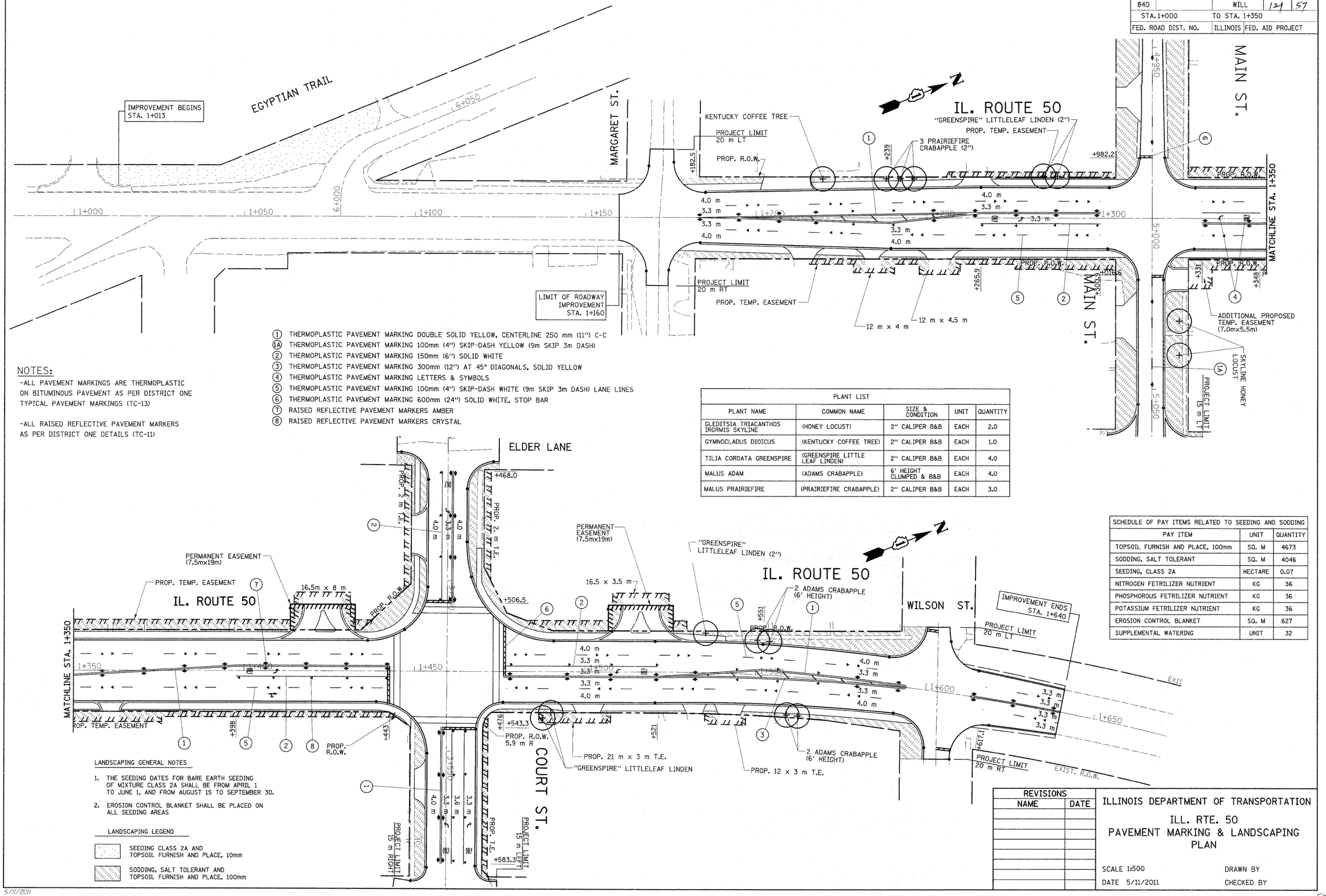
SCALE 1:250 — DRAWN BY CADD

DATE 5/11/2011 — CHECKED BY

5/11/2011
c:\pw_work\pwidot\bauerdl\d0198247\PI02397-sht-plan.dgn
bauerdl

CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	57
STA. 1+000		TO STA. 1+350		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTES:

-ALL PAVEMENT MARKINGS ARE THERMOPLASTIC ON BITUMINOUS PAVEMENT AS PER DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)

-ALL RAISED REFLECTIVE PAVEMENT MARKERS AS PER DISTRICT ONE DETAILS (TC-11)

(1) THERMOPLASTIC PAVEMENT MARKING DOUBLE SOLID YELLOW, CENTERLINE 250 mm (11") C-C
(1A) THERMOPLASTIC PAVEMENT MARKING 100mm (4") SKIP-DASH YELLOW (9m SKIP 3m DASH)
(2) THERMOPLASTIC PAVEMENT MARKING 150mm (6") SOLID WHITE
(3) THERMOPLASTIC PAVEMENT MARKING 300mm (12") AT 45° DIAGONALS, SOLID YELLOW
(4) THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS
(5) THERMOPLASTIC PAVEMENT MARKING 100mm (4") SKIP-DASH WHITE (9m SKIP 3m DASH) LANE LINES
(6) THERMOPLASTIC PAVEMENT MARKING 600mm (24") SOLID WHITE, STOP BAR
(7) RAISED REFLECTIVE PAVEMENT MARKERS AMBER
(8) RAISED REFLECTIVE PAVEMENT MARKERS CRYSTAL

PLANT LIST				
PLANT NAME	COMMON NAME	SIZE & CONDITION	UNIT	QUANTITY
GLEDITSIA TRIACANTHOS IRGRMIS SKYLINE	(HONEY LOCUST)	2" CALIPER B&B	EACH	2.0
GYMNOCLADUS DIOICUS	(KENTUCKY COFFEE TREE)	2" CALIPER B&B	EACH	1.0
TILIA CORDATA GREENSPIRE	(GREENSPIRE LITTLE LEAF LINDEN)	2" CALIPER B&B	EACH	4.0
MALUS ADAM	(ADAMS CRABAPPLE)	6' HEIGHT CLUMPED & B&B	EACH	4.0
MALUS PRAIRIEFIRE	(PRAIRIEFIRE CRABAPPLE)	2" CALIPER B&B	EACH	3.0

SCHEDULE OF PAY ITEMS RELATED TO SEEDING AND SODDING		
PAY ITEM	UNIT	QUANTITY
TOPSOIL FURNISH AND PLACE, 100mm	SQ. M	4673
SODDING, SALT TOLERANT	SQ. M	4046
SEEDING, CLASS 2A	HECTARE	0.07
NITROGEN FETRILIZER NUTRIENT	KG	36
PHOSPHOROUS FETRILIZER NUTRIENT	KG	36
POTASSIUM FETRILIZER NUTRIENT	KG	36
EROSION CONTROL BLANKET	SQ. M	627
SUPPLEMENTAL WATERING	UNIT	32

LANDSCAPING GENERAL NOTES

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1, AND FROM AUGUST 15 TO SEPTEMBER 30.
2. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SEEDING AREAS

LANDSCAPING LEGEND

SEEDING CLASS 2A AND TOPSOIL FURNISH AND PLACE, 10mm

SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 100mm

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50
PAVEMENT MARKING & LANDSCAPING PLAN

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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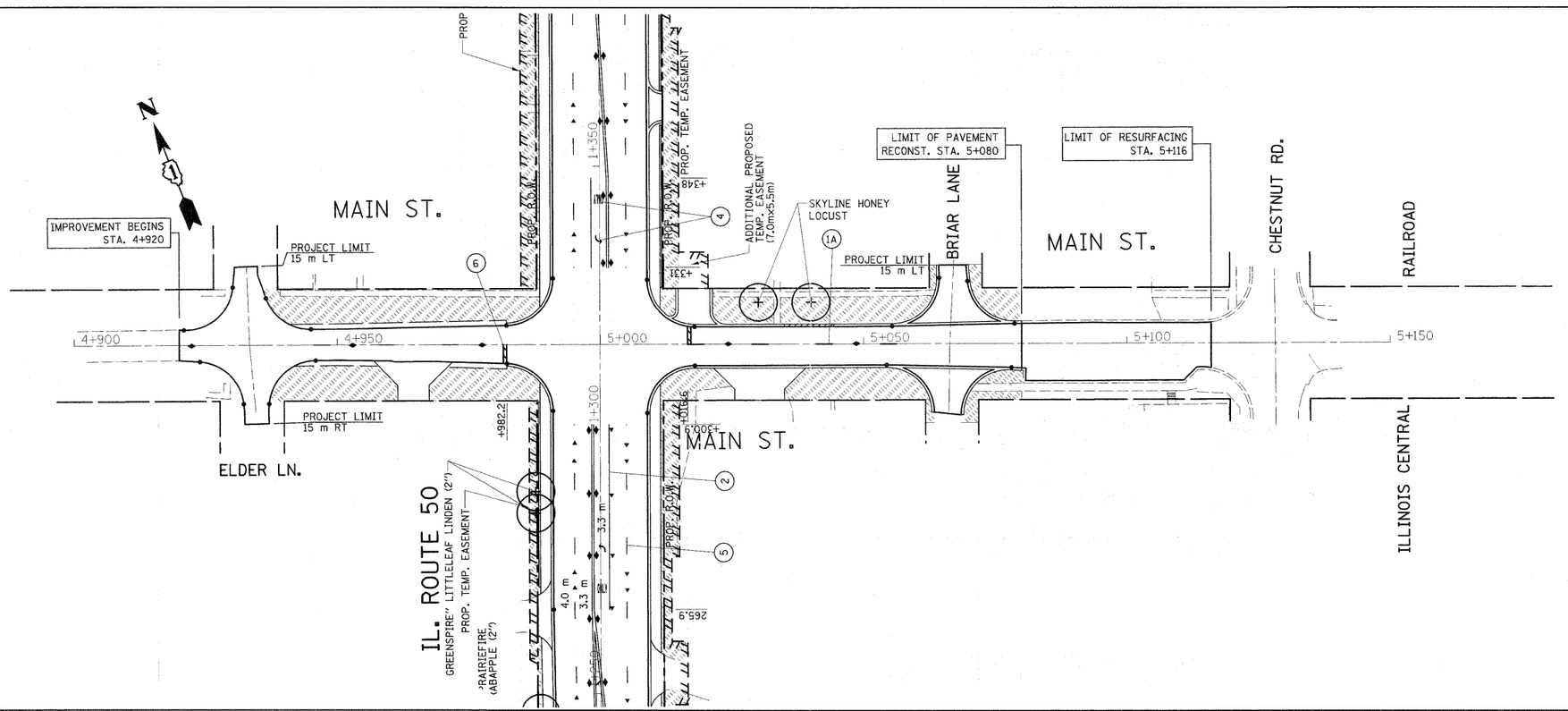
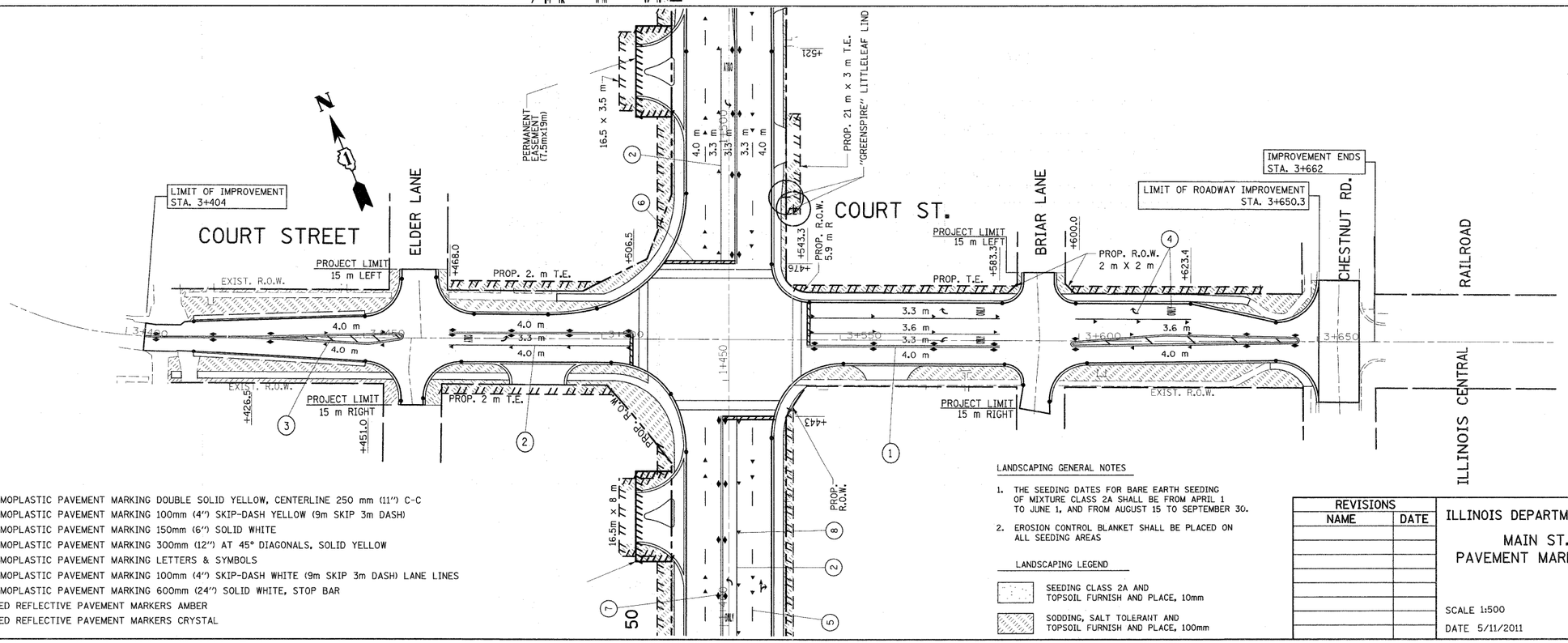
bauerdl

CONTRACT *60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840		WILL	121	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





1. THERMOPLASTIC PAVEMENT MARKING DOUBLE SOLID YELLOW, CENTERLINE 250 mm (11") C-C
1A. THERMOPLASTIC PAVEMENT MARKING 100mm (4") SKIP-DASH YELLOW (9m SKIP 3m DASH)
2. THERMOPLASTIC PAVEMENT MARKING 150mm (6") SOLID WHITE
3. THERMOPLASTIC PAVEMENT MARKING 300mm (12") AT 45° DIAGONALS, SOLID YELLOW
4. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS
5. THERMOPLASTIC PAVEMENT MARKING 100mm (4") SKIP-DASH WHITE (9m SKIP 3m DASH) LANE LINES
6. THERMOPLASTIC PAVEMENT MARKING 600mm (24") SOLID WHITE, STOP BAR
7. RAISED REFLECTIVE PAVEMENT MARKERS AMBER
8. RAISED REFLECTIVE PAVEMENT MARKERS CRYSTAL

LANDSCAPING GENERAL NOTES

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1, AND FROM AUGUST 15 TO SEPTEMBER 30.
2. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SEEDING AREAS

LANDSCAPING LEGEND

SEEDING CLASS 2A AND TOPSOIL FURNISH AND PLACE, 10mm

SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 100mm

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN ST. & COURT ST.
PAVEMENT MARKING & LANDSCAPING PLAN

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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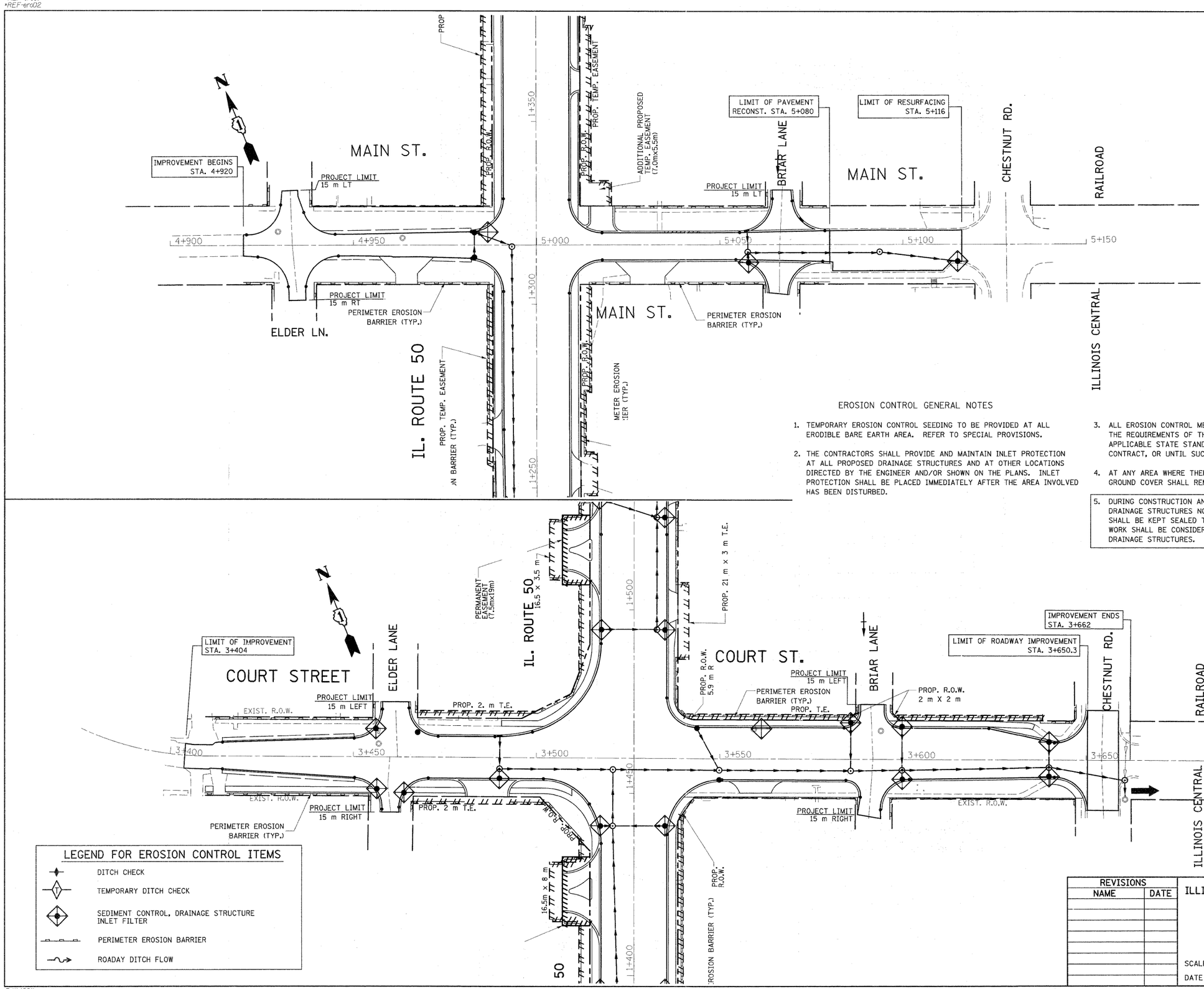
*REF-ero01
*REF-ero02

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	59
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



EROSION CONTROL GENERAL NOTES

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREA. REFER TO SPECIAL PROVISIONS.
2. THE CONTRACTORS SHALL PROVIDE AND MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED IMMEDIATELY AFTER THE AREA INVOLVED HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT, OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
4. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
5. DURING CONSTRUCTION AND WHERE ERODIBLE SOILS ARE EXPOSED, ALL DRAINAGE STRUCTURES NOT PROTECTED WITH INLET OR PIPE PROTECTION SHALL BE KEPT SEALED TO PREVENT ACCESS FROM THE EROSION, THIS WORK SHALL BE CONSIDERED AS PART OF THE COST OF THE VARIOUS DRAINAGE STRUCTURES.

LEGEND FOR EROSION CONTROL ITEMS

- DITCH CHECK
- TEMPORARY DITCH CHECK
- SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER
- PERIMETER EROSION BARRIER
- ROADAY DITCH FLOW

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN ST. & COURT ST.
EROSION AND SEDIMENT
CONTROL PLAN

SCALE 1:500 DRAWN BY

DATE 5/11/2011 CHECKED BY

5/11/2011
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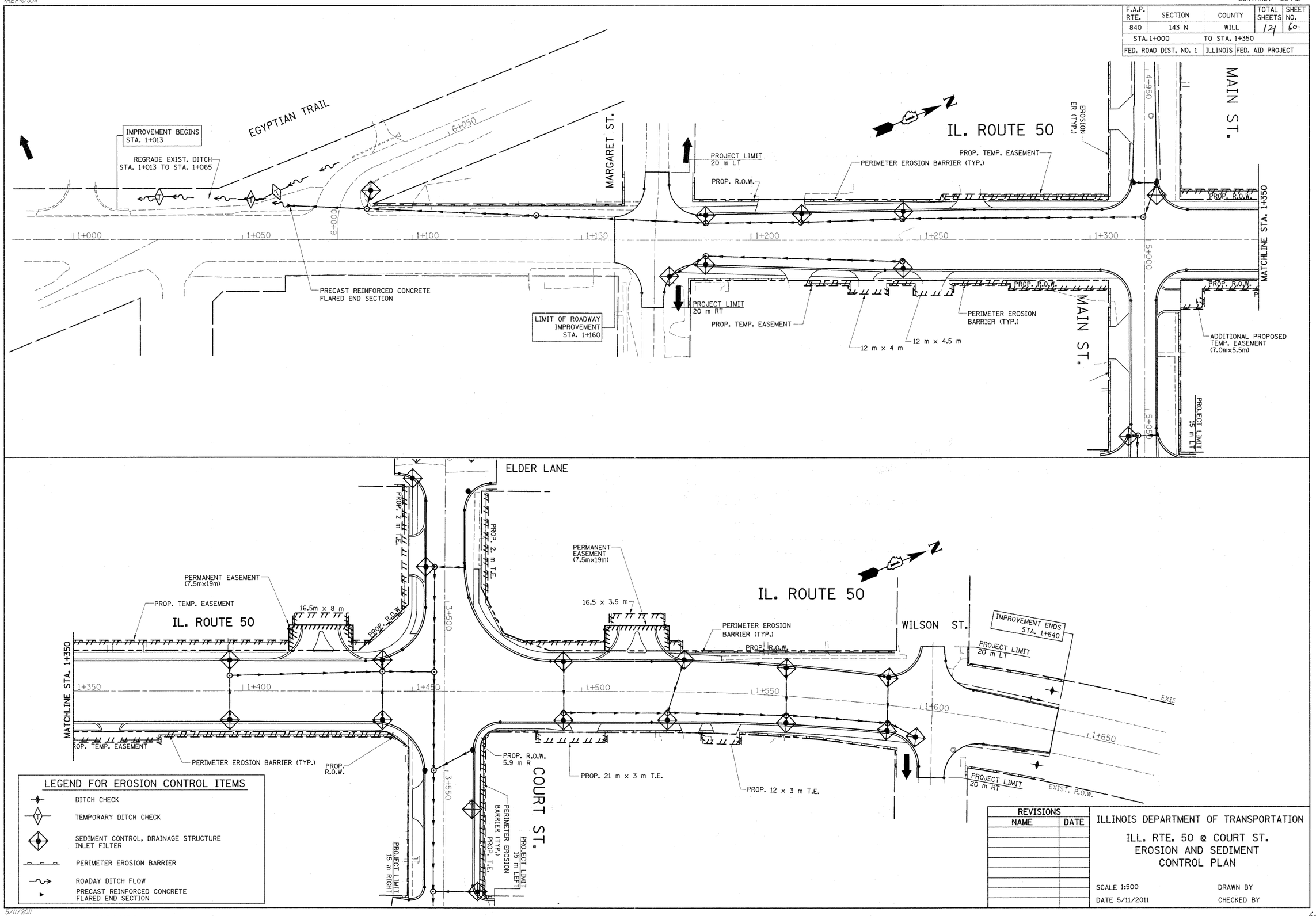
59

*REF-er03
*REF-er04

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	60
STA. 1+000		TO STA. 1+350		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



LEGEND FOR EROSION CONTROL ITEMS

- DITCH CHECK
- TEMPORARY DITCH CHECK
- SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER
- PERIMETER EROSION BARRIER
- ROADAY DITCH FLOW
- PRECAST REINFORCED CONCRETE FLARED END SECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50 @ COURT ST. EROSION AND SEDIMENT CONTROL PLAN

SCALE 1:500 — DRAWN BY

DATE 5/11/2011 — CHECKED BY

5/11/2011
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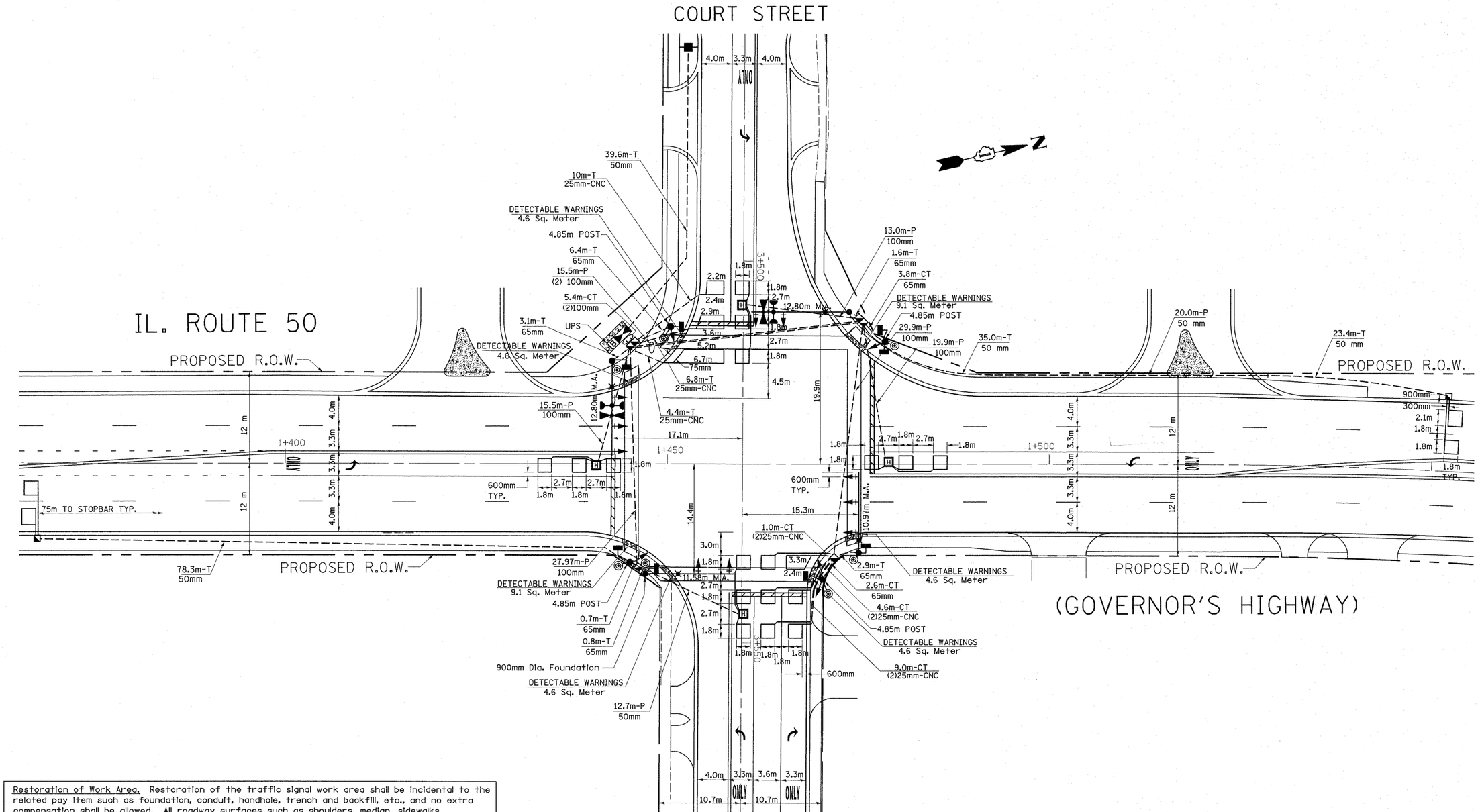


Restoration of Work Area. Restoration of the traffic signal work area shall be incidental to the related pay item such as foundation, conduit, handhole, trench and backfill, etc., and no extra compensation shall be allowed. All roadway surfaces such as shoulders, median, sidewalks, pavement, etc. shall 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 in accordance with Standard Specifications 252 and 250 respectively.

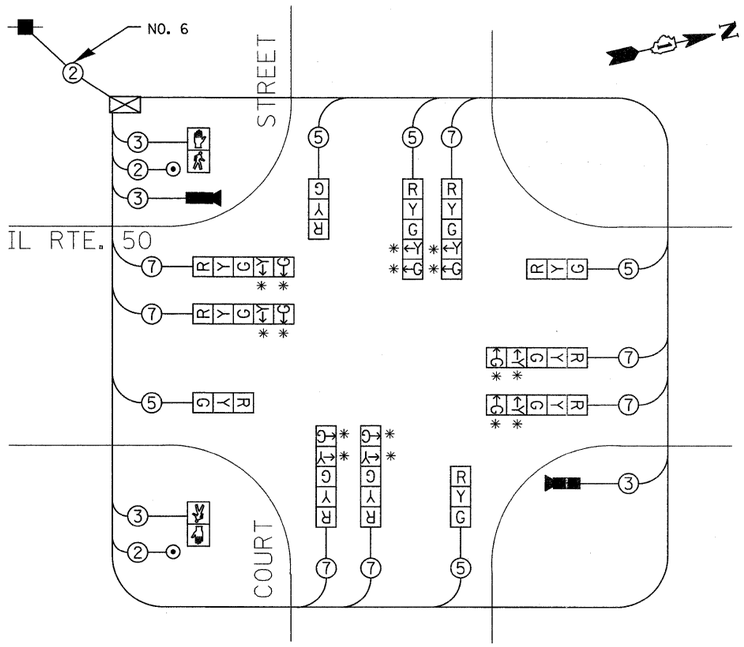
FILE NAME = c:\pw_work\pwidot\kanthaphixaybo\d0113181\i150@court.dgn	USER NAME = kanthaphixaybo	DESIGNED -	REVISED - BCK- 4/4/11
		DRAWN -	REVISED -
	PLOT SCALE = 6.5600 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/4/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
ILL. RTE. 50 (GOVERNOR RD.) AT COURT STREET

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

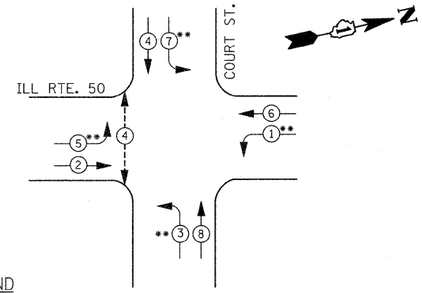
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	143 H	WILL	121	61
		CONTRACT NO. 60445		
	ILLINOIS FED. AID PROJECT			



TEMPORARY CABLE DIAGRAM

NOT TO SCALE

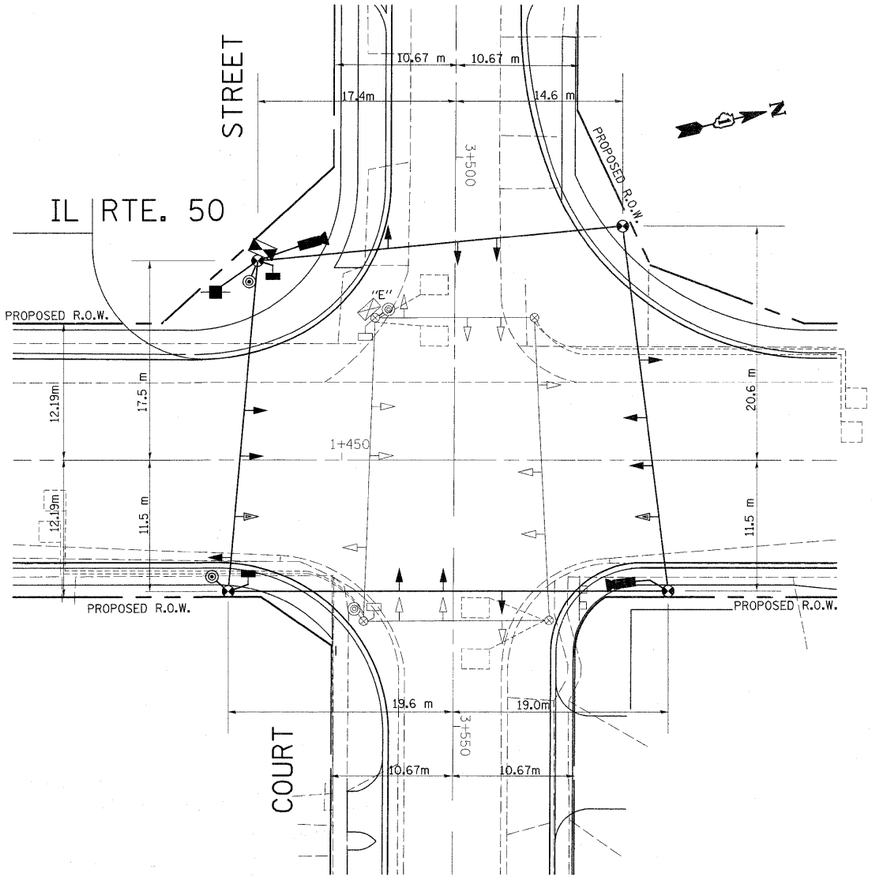
* NOTE: SIGNAL HEAD SHALL BE BAGGED AND DISCONNECTED DURING PHASE I OF CONSTRUCTION. THESE HEADS SHALL BE UNBAGGED AND LIVENED FOR USE IN CONSTRUCTION PHASE II AND UNTIL THE PERMANENT SIGNALS ARE INSTALLED.



LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- • NUMBER REFERS TO ASSOCIATED PHASE
- •• LEFT-TURN PHASES TO BE DEACTIVATED AS NECESSARY

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY TRAFFIC SIGNAL PLAN

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS X	WATTAGE INCAND.	WATTAGE LED	X %OPERATION	
SIGNAL (RED)	12	135	17	0.50	102.00
(YELLOW)	12	135	25	0.25	75.00
(GREEN)	12	135	15	0.25	45.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN				0.50	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	409.20

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: JUDY SCHOMER
PHONE: (847) 870-2063
COMPANY: Com Ed

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 THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4.0	EACH	WOOD POLE
12.0	EACH	SIGNAL HEAD, 1-FACE 3-SECTION
2.0	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
3.0	EACH	PEDESTRIAN PUSHBUTTON
1.0	EACH	SERVICE INSTALLATION
1.0	L SUM	SPAN WIRE
1.0	L SUM	CABLE
1.0	L SUM	TETHER WIRE

FILE NAME = c:\pw_work\pwidot\leysa\d2113189\i150court.dgn	USER NAME = leysa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 6.5600 m / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/5/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

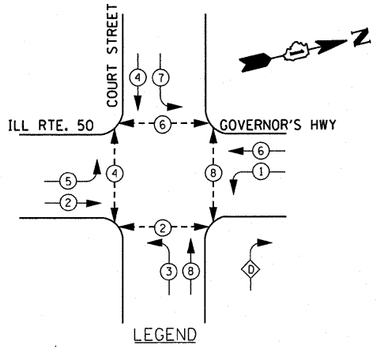
TEMPORARY SIGNAL/CABLE AND REMOVAL PLAN
ILL. RTE. 50 (GOVERNOR RD.) AT COURT STREET

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

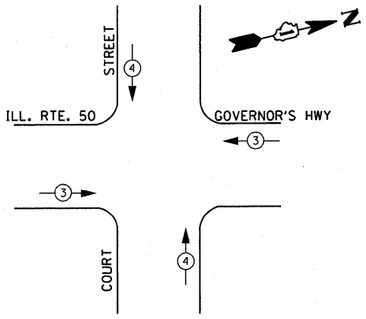
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
84e	143N	WILL	121	62
		CONTRACT NO. 60445		
		ILLINOIS FED. AID PROJECT		

62

CONTROLLER SEQUENCE

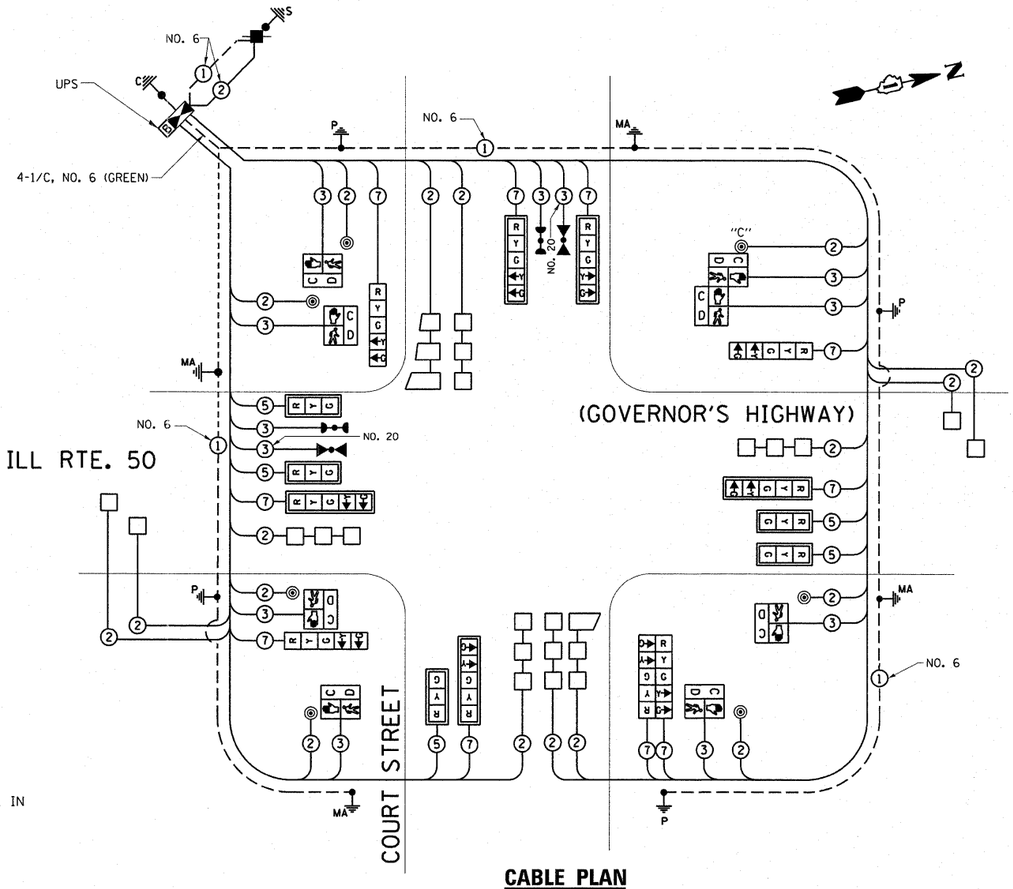


PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑ →

EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

PUSH BUTTON NOTES:

PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8

SCHEDULE OF QUANTITIES

QTY.	UNITS	ITEM DESCRIPTION
41.2	SQ M	DETECTABLE WARNINGS
5.0	EACH	HANDHOLE
4.0	EACH	HEAVY-DUTY HANDHOLE
2.0	EACH	DOUBLE HANDHOLE
5.0	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED
3.0	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED
5.0	EACH	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED
1.0	EACH	SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED
6.0	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
1.0	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
10.0	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
11.0	EACH	INDUCTIVE LOOP DETECTOR
261.0	METER	DETECTOR LOOP, TYPE I
1.0	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
2.0	EACH	* LIGHT DETECTOR
1.0	EACH	* LIGHT DETECTOR AMPLIFIER
1.0	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
7.0	EACH	PEDESTRIAN PUSH-BUTTON
1.0	EACH	SERVICE INSTALLATION, POLE MOUNT
1.0	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
1.26	SQ M	SIGN PANEL-TYPE 1
2.78	SQ M	SIGN PANEL-TYPE 2

QTY.	UNITS	ITEM DESCRIPTION
176.3	METER	CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL
21.9	METER	CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL
3.0	METER	CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL
81.1	METER	CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL
12.7	METER	CONDUIT PUSHED, 65MM DIA., GALVANIZED STEEL
73.37	METER	CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL
322.4	METER	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)
552.77	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
469.6	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
236.6	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
523.9	METER	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
560.6	METER	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
49.8	METER	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
4.0	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 METER
1.0	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 10.97 METER
1.0	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 11.58 METER
2.0	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 12.80 METER
4.8	METER	CONCRETE FOUNDATION, TYPE A
18.4	METER	CONCRETE FOUNDATION, TYPE E 750MM DIAMETER
82.2	METER	* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED SHIELDED
195.0	METER	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	UNINTERRUPTABLE POWER SUPPLY (UPS)
1.22	METER	CONCRETE FOUNDATION TYPE C

* 100% COST TO VILLAGE OF MONEE FIRE PROTECTION DISTRICT.

FILE NAME = c:\pw_work\pwidot\kenthaphixaybc\d0113189\i150@court.dgn	USER NAME = kenthaphixaybc	DESIGNED -	REVISED - BCK- 4/4/11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -		REVISED -	
	PLOT SCALE = 6.5600 m / IN.	CHECKED -	REVISED -	
	PLOT DATE = 4/4/2011	DATE -	REVISED -	

CABLE PLAN PHASE DESIGNATION DIAGRAM
SCHEDULE OF QUANTITIES ILL. RTE. 50
(GOVERNOR'S HIGHWAY) AT COURT ST.

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143/4	WILL	121	63
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	R		
RAILROAD CONTROL CABINET			
COMMUNICATIONS CABINET	R CC	ECC	CC
MASTER CONTROLLER		EMC	MC
MASTER MASTER CONTROLLER		EMMC	MMC
UNINTERRUPTIBLE POWER SUPPLY	R UPS	EUPS	UPS
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	R	P	P
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R T	P T	P T
STEEL MAST ARM ASSEMBLY AND POLE	R		
ALUMINUM MAST ARM ASSEMBLY AND POLE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	R PTZ	PTZ	PTZ
SIGNAL POST	R		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	R		
GUY WIRE	R		
SIGNAL HEAD	R		
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)			2
SIGNAL HEAD WITH BACKPLATE	R		
SIGNAL HEAD OPTICALLY PROGRAMMED	R "P"	"P"	"P"
FLASHER INSTALLATION (S DENOTES SOLAR POWER)	R "F"	"F"	"F"
PEDESTRIAN SIGNAL HEAD	R		
PEDESTRIAN PUSHBUTTON DETECTOR	R		
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	APS	APS
ILLUMINATED SIGN "NO LEFT TURN"	R		
ILLUMINATED SIGN "NO RIGHT TURN"	R		
DETECTOR LOOP, TYPE I			
PREFORMED DETECTOR LOOP		P	P
MICROWAVE VEHICLE SENSOR	R M		
VIDEO DETECTION CAMERA	R V		
VIDEO DETECTION ZONE			
PAN, TILT, ZOOM CAMERA	R PTZ	PTZ	PTZ
WIRELESS DETECTOR SENSOR	R W	W	W
WIRELESS ACCESS POINT	R		

ITEM	REMOVAL	EXISTING	PROPOSED
EMERGENCY VEHICLE LIGHT DETECTOR	R		
CONFIRMATION BEACON	R		
HANDHOLE	R		
HEAVY DUTY HANDHOLE	R H	H	
DOUBLE HANDHOLE	R		
JUNCTION BOX	R		
GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)			
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	R		
COMMON TRENCH			CT
COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC
SYSTEM ITEM		S	S
INTERSECTION ITEM		I	IP
REMOVE ITEM	R		
RELOCATE ITEM	RL		
ABANDON ITEM	A		
12" (300mm) TRAFFIC SIGNAL SECTION		R	R
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		R Y G	
SIGNAL FACE		R Y G ←Y ←G	R Y G ←Y ←G
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		R Y G ←Y ←G "P"	R Y G ←Y ←G "P"
12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		DW W	
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID			
PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C D	C D
RADIO INTERCONNECT	R		
RADIO REPEATER	R ERR	ERR	RR
DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		5	5
GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		1	1

ITEM	REMOVAL	EXISTING	PROPOSED
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE		1	1
COAXIAL CABLE		C	C
VENDOR CABLE FOR CAMERA		V	V
COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		6	6
FIBER OPTIC CABLE NO. 62.5/125, MM12F		12F	
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		24F	24F
FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE		C	C
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED	RMF		
SIGNAL POST AND FOUNDATION TO BE REMOVED	RMF		
INTERSECTION & SAMPLING (SYSTEM) DETECTOR		IS	IS
SAMPLING (SYSTEM) DETECTOR		S	S
EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		P	
EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PP	
PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
PREFORMED SAMPLING (SYSTEM) DETECTOR		PS	PS

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

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	PLOT DATE = 5/3/2010	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	72	64
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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.

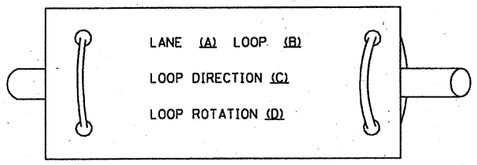
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES 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.

LOOP LEAD-IN CABLE TAG

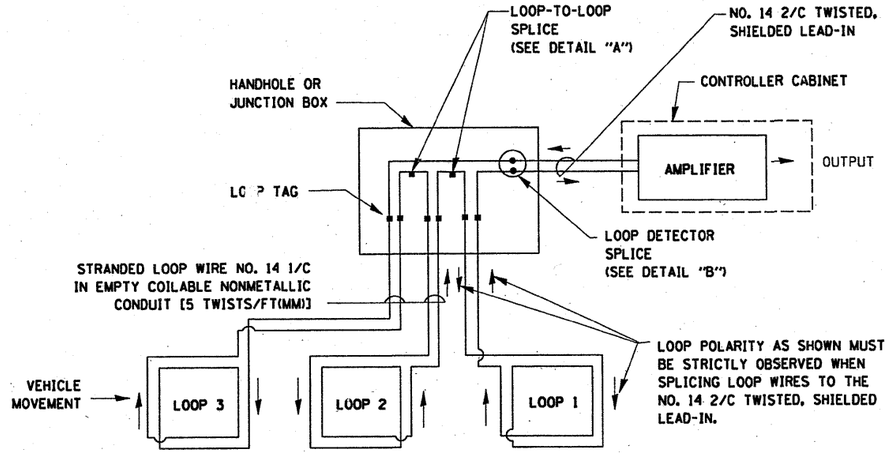


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

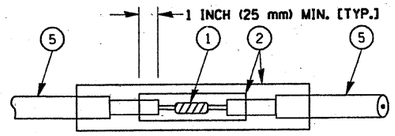
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

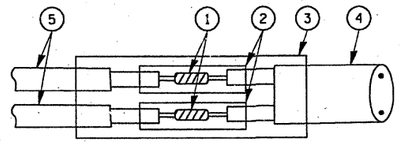


DETECTOR LOOP WIRING SCHEMATIC

- 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.

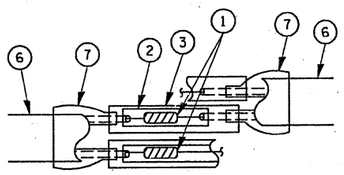


DETAIL "A"
LOOP-TO-LOOP SPLICE



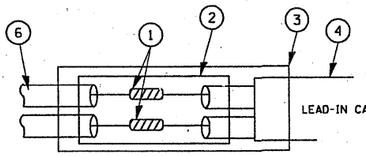
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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	PLOT DATE = 5/3/2010	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	65
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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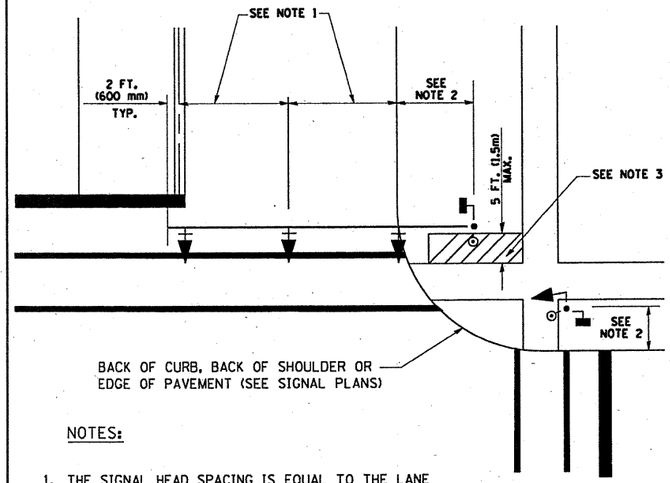
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

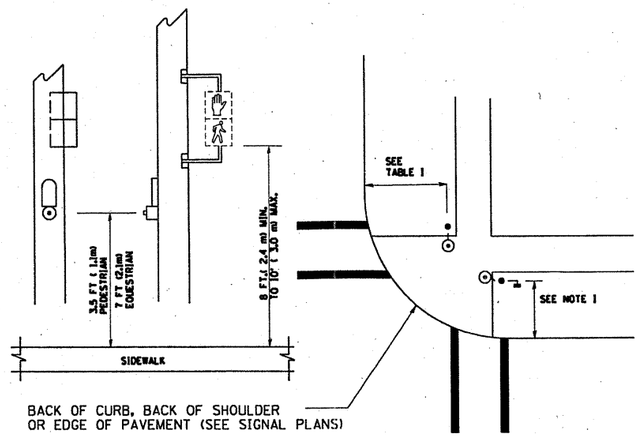
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

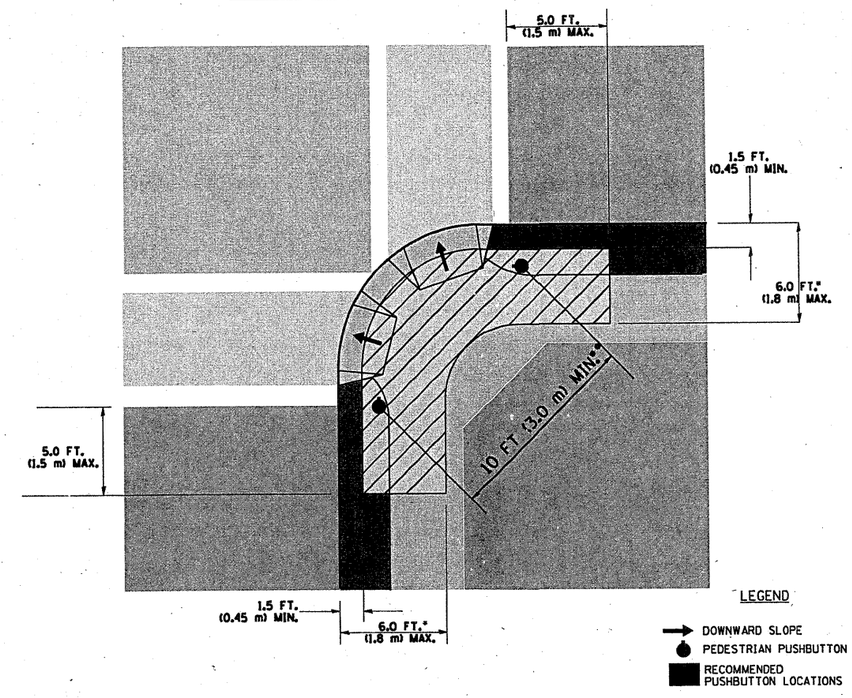
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	66
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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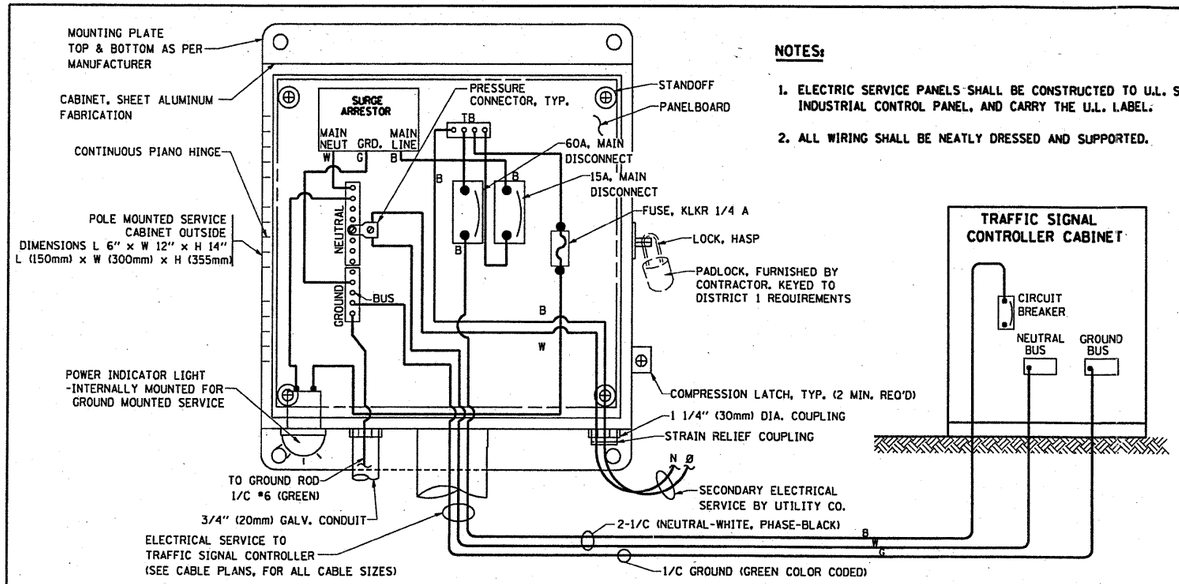


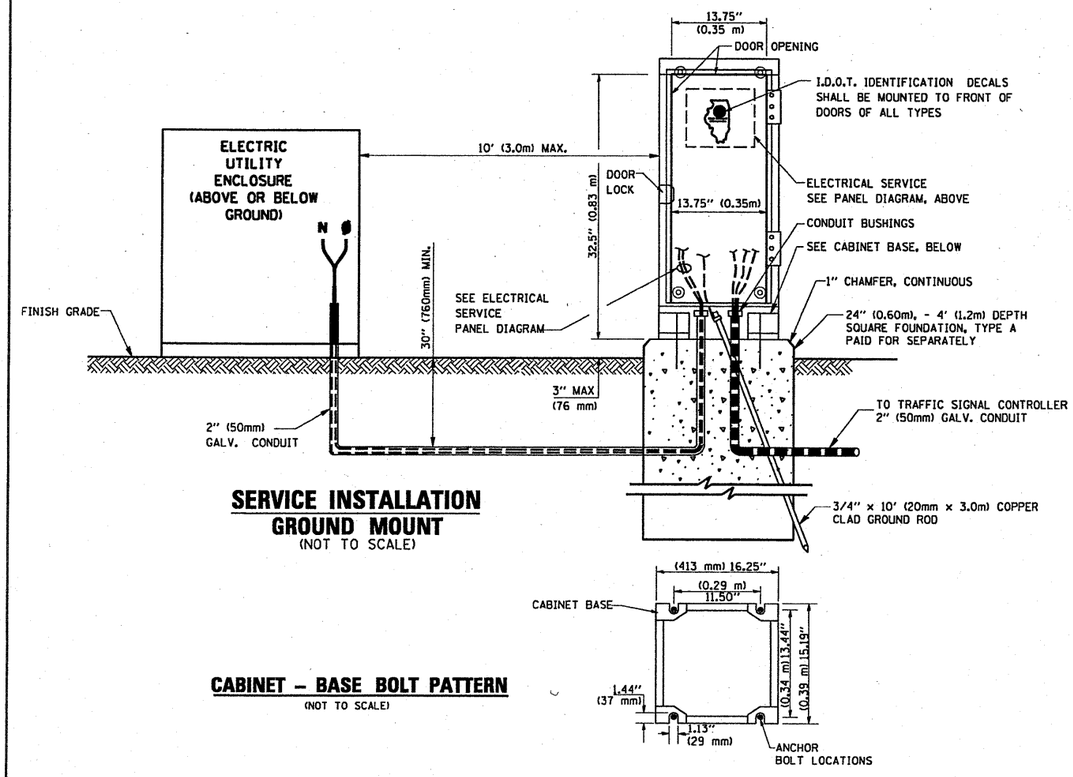
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

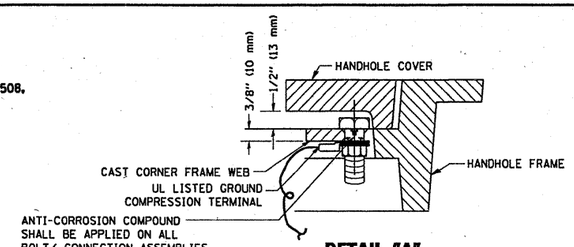


SERVICE INSTALLATION GROUND MOUNT

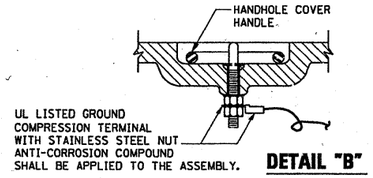
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"



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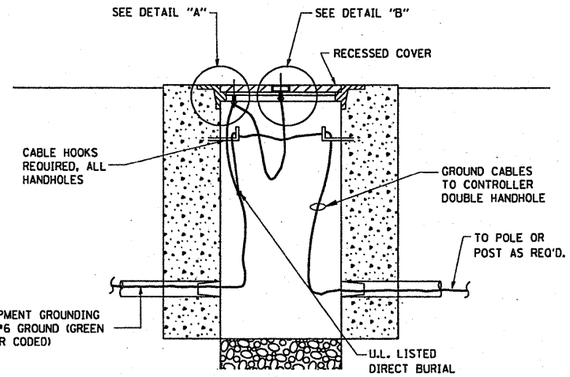
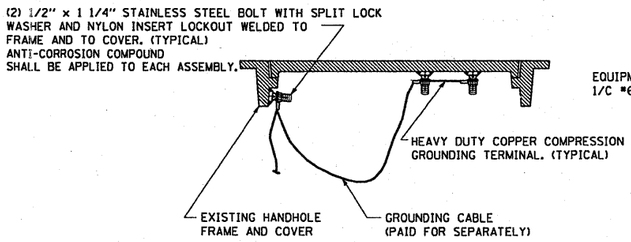


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



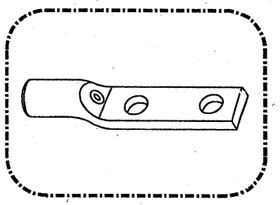
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

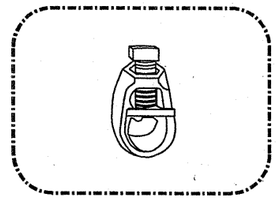
NOTES:

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.



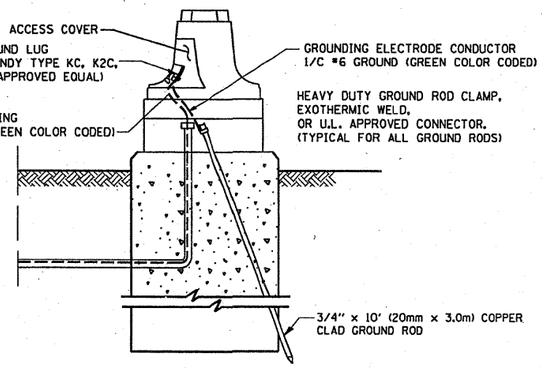
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

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.



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	67
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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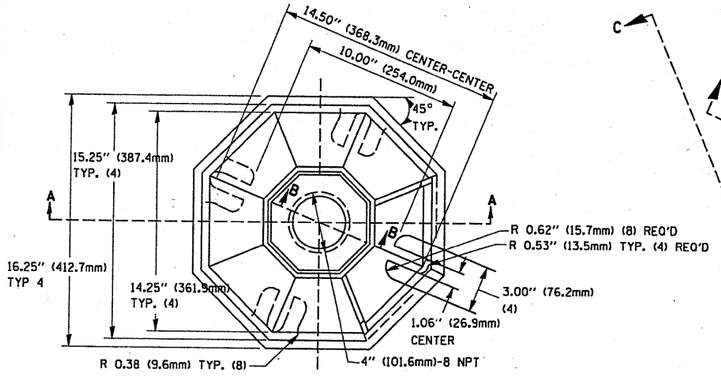
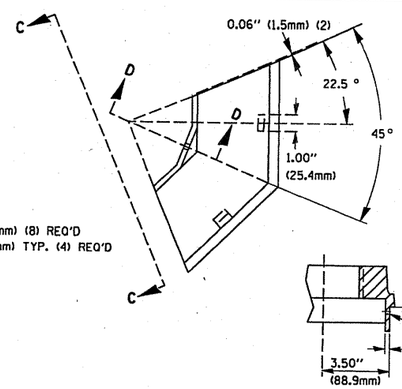
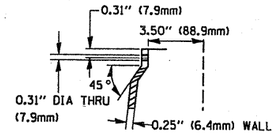


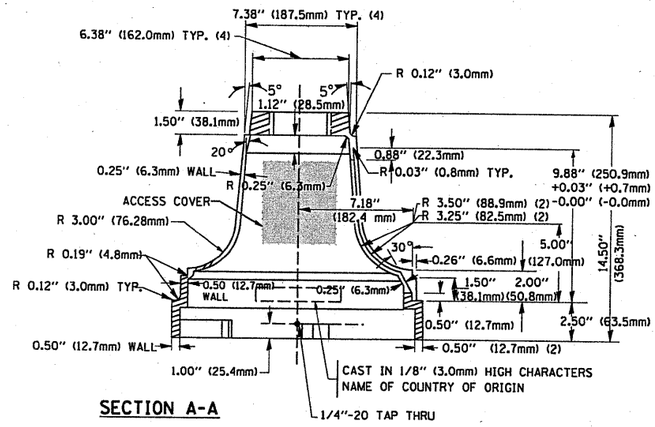
TOP VIEW



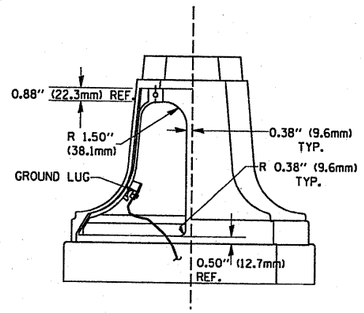
SECTION B-B



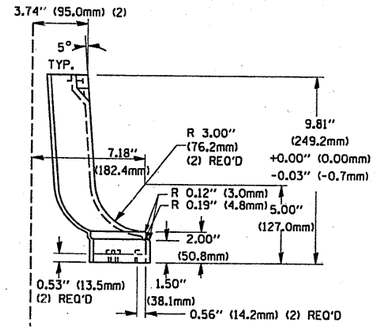
SECTION D-D



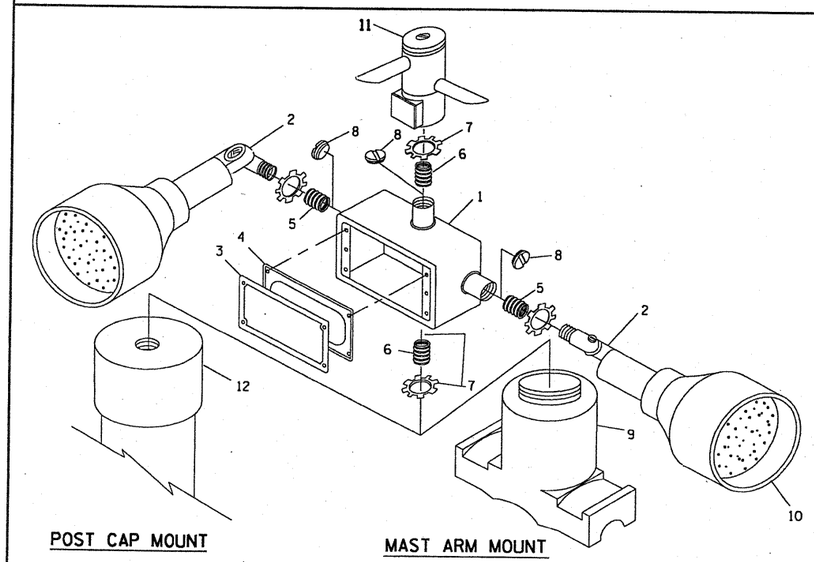
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



POST CAP MOUNT

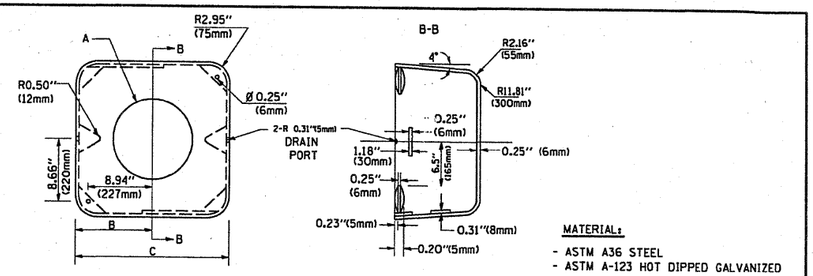
MAST ARM MOUNT

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP (18 FT. (5.4 m) POST MIN.)

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. 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 ¾"(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.

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

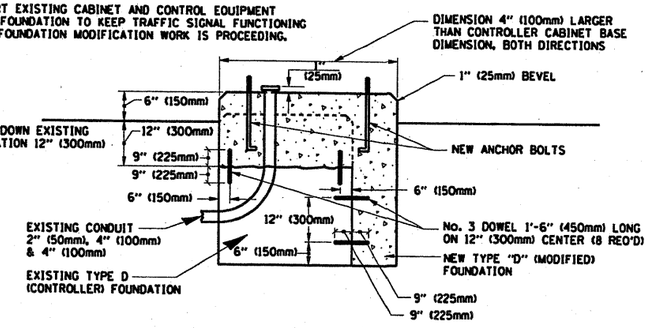
A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

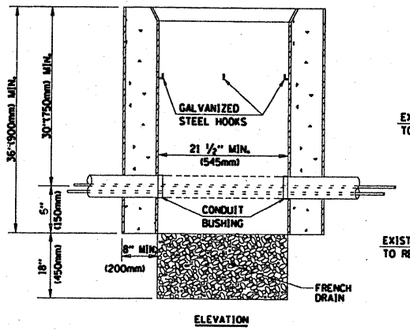
NOTES:

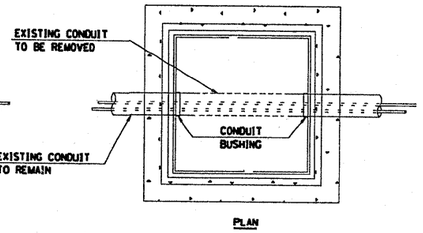
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



MODIFY EXISTING TYPE "D" FOUNDATION





NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v8.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAG	REVISED -
	PLOT SCALE = 39.9999 ' / IN.	DRAWN - BCK	REVISED -
	PLOT DATE = 5/3/2010	CHECKED - DAD	REVISED -
		DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	68
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

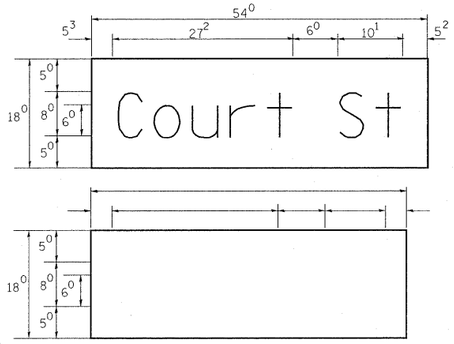
traffic_legend_v8.dgn 5/3/2010 9:59:34 AM User=kanthaphixaybc

•REF-
•REF-
•REF-

CONTRACT #60645

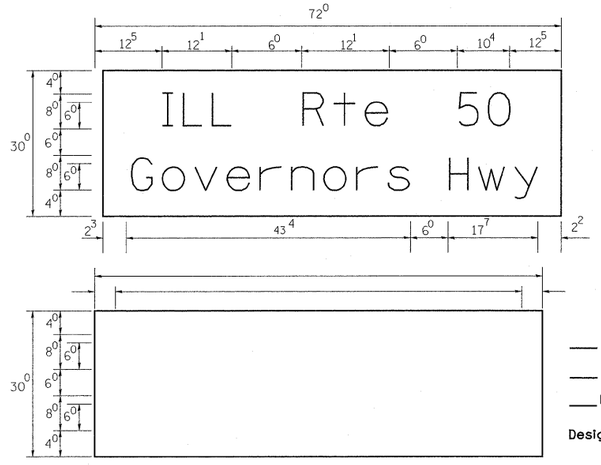
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3565	B-N-4	COOK	121	67
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PANEL SIGN DESIGN TYPE 1



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

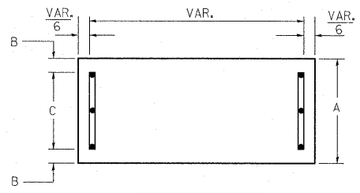
PANEL SIGN DESIGN TYPE 2



____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series __

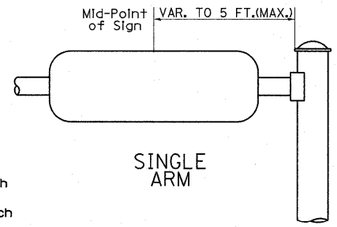
SUPPORTING CHANNELS

0.63 Sq. M. each
6.75 Sq. Ft. each
2 Required
Design Series D



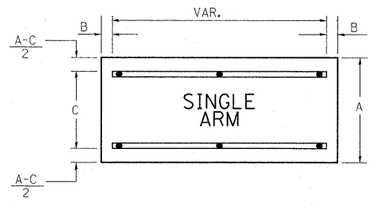
A	B	C
18″	2″	14″

____ Sq. M. each
____ Sq. Ft. each
____ Required
Design Series D



1.39 Sq. M. each
15.0 Sq. Ft. each
2 Required
Design Series C

SUPPORTING CHANNELS



A	B	C
18″	2″	12″
30″	2″	22″

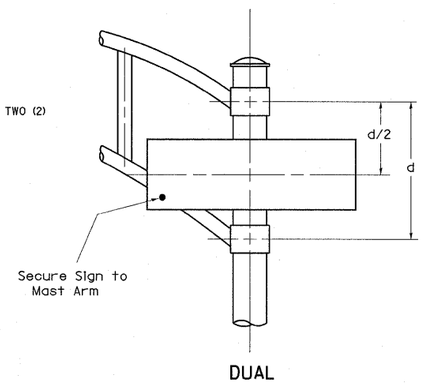
GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2′-6″ x 6′-0″ MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6′-0″.
4. ALL BORDERS SHALL BE ¾″ WIDE AND CORNER RADIUS SHALL BE 2-1/4 ″.
5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
   - * A.K.T. CORPORATION, SCHAUMBURG, IL
   - * TUCKER COMPANY, INC., WAUWATOSA, WI
   - * AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
   - * WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING:

SIGN CHANNEL	PART #HPNO53 (MED. CHANNEL)
SIGN SCREWS	¼″ x 14 x 1″ H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPNO34 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
Shall be used. See Note #5.

EXAMPLE, 2 (3) DENOTES 3″/8

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER \ SECOND LETTER	acde goq		bhikl mnpru		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1^2	1^4	1^4	1^5	1^2	1^4	0^6	1^0	1^1	1^4	0^6	1^0	1^1	1^2	1^2	1^4
B	1^4	1^5	2^0	2^1	1^4	1^5	1^1	1^2	1^4	1^5	1^2	1^4	1^2	1^4	1^6	1^7
C E G	1^4	1^5	2^0	2^1	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5
D O Q R	1^4	1^5	2^0	2^1	1^4	1^5	0^6	1^0	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5
F	0^5	0^6	1^4	1^5	0^6	1^0	0^5	0^6	0^6	1^0	0^6	1^0	0^6	1^0	1^1	1^2
H I M N	2^0	2^1	2^2	2^4	2^0	2^1	1^4	1^5	1^6	1^7	1^6	1^7	2^0	2^1	2^0	2^1
J U	2^0	2^1	2^0	2^1	1^6	1^7	1^4	1^5	1^6	1^7	1^6	1^7	1^6	1^7	2^0	2^1
K L	1^1	1^2	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
P	1^2	1^4	1^4	1^5	1^2	1^4	0^5	0^6	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
S	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
T	1^1	1^2	1^6	1^7	0^6	1^0	0^6	1^0	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
V	0^6	1^0	1^4	1^5	1^1	1^2	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
Y	0^5	0^6	1^4	1^5	0^6	1^0	0^5	0^6	0^5	0^7	0^5	0^6	0^6	1^0	1^1	1^2
Z	1^6	1^7	2^2	2^4	1^6	1^7	1^2	1^4	1^6	1^7	1^6	1^7	1^6	1^7	2^0	2^1

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER \ SECOND LETTER	acde goq		bhikl mnpru		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
adhgij lmnqu	1^6	1^7	2^2	2^4	1^6	1^7	1^2	1^4	1^4	1^5	1^4	1^5	1^6	1^7	1^6	1^7
bfkops	1^2	1^4	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
c e	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^2	1^4	1^2	1^4	1^2	1^4	1^2	1^4
r	0^6	1^0	1^2	1^4	0^6	1^0	0^3	0^3	0^5	0^6	0^5	0^6	0^6	1^0	0^6	1^0
t z	1^2	1^4	1^6	1^7	1^2	1^4	0^6	1^0	1^1	1^2	1^1	1^2	1^2	1^4	1^2	1^4
v y	1^1	1^2	1^4	1^5	1^1	1^2	0^5	0^6	0^6	1^0	0^6	1^0	1^1	1^2	1^1	1^2
w	1^1	1^2	1^4	1^5	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4
x	1^2	1^4	1^6	1^7	1^1	1^2	0^5	0^6	1^1	1^2	1^1	1^2	1^1	1^2	1^2	1^4

Number To Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER \ SECOND NUMBER	0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1^6	1^7	1^6	1^7	1^4	1^5	1^2	1^4	1^4	1^5	1^4	1^5	1^6	1^7	1^2	1^4	1^6	1^7	1^6	1^7
1	2^0	2^1	2^0	2^1	2^0	2^1	1^6	1^7	1^4	1^5	2^0	2^1	2^0	2^1	1^4	1^5	2^0	2^1	2^0	2^1
2 3 4	1^4	1^5	1^4	1^5	1^4	1^5	1^2	1^4	1^2	1^4	1^4	1^5	1^4	1^5	1^1	1^2	1^6	1^7	1^4	1^5
5	1^4	1^5	1^4	1^5	1^4	1^5	1^1	1^2	1^1	1^2	1^4	1^5	1^4	1^5	1^1	1^2	1^4	1^5	1^4	1^5
6	1^6	1^7	1^4	1^5	1^4	1^5	1^2	1^5	1^2	1^4	1^4	1^5	1^4	1^5	1^1	1^2	1^4	1^5	1^4	1^5
7	1^2	1^4	1^2	1^4	1^4	1^5	1^2	1^5	0^5	0^6	1^2	1^4	1^4	1^5	1^1	1^2	1^4	1^5	1^2	1^4
8	1^6	1^7	1^6	1^7	1^4	1^5	1^2	1^5	1^2	1^4	1^4	1^5	1^6	1^7	1^2	1^4	1^6	1^7	1^4	1^5

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS SERIES C	D	8 INCH UPPER CASE LETTERS SERIES C	D	LETTERS	6 INCH LOWER CASE LETTERS SERIES C	D
A	3^6	5^0	5^0	6^5	a	3^5	4^2
B	3^2	4^0	4^3	5^3	b	3^5	4^2
C	3^2	4^0	4^3	5^3	c	3^5	4^1
D	3^2	4^0	4^3	5^3	d	3^5	4^2
E	3^0	3^5	4^0	4^7	e	3^5	4^2
F	3^0	3^5	4^0	4^7	f	2^3	2^6
G	3^2	4^0	4^3	5^3	g	3^5	4^2
H	3^2	4^0	4^3	5^3	h	3^5	4^2
I	0^7	0^7	1^1	1^2	i	1^1	1^1
J	3^0	3^6	4^0	5^0	j	2^0	2^2
K	3^2	4^1	4^3	5^4	k	3^5	4^2
L	3^0	3^5	4^0	4^7	l	1^1	1^1
M	3^7	4^5	5^1	6^1	m	6^0	7^0
N	3^2	4^0	4^3	5^3	n	3^5	4^2
O	3^4	4^2	4^5	5^5	o	3^6	4^3
P	3^2	4^0	4^3	5^3	p	3^5	4^2
Q	3^4	4^2	4^5	5^5	q	3^5	4^2
R	3^2	4^0	4^3	5^3	r	2^6	3^2
S	3^2	4^0	4^3	5^3	s	3^6	4^2
T	3^0	3^5	4^0	4^7	t	2^7	3^2
U	3^2	4^0	4^3	5^3	u	3^5	4^2
V	3^5	4^4	4^7	6^0	v	4^2	4^7
W	4^4	5^2	6^0	7^0	w	5^5	6^4
X	3^4	4^0	4^5	5^3	x	4^4	5^1
Y	3^6	5^0	5^0	6^6	y	4^6	5^3
Z	3^2	4^0	4^3	5^3	z	3^6	4^3

NUMBER	6 INCH SERIES C	D	8 INCH SERIES C	D
1	1^2	1^4	1^5	2^0
2	3^2	4^0	4^3	5^3
3	3^2	4^0	4^3	5^3
4	3^5	4^3	4^7	5^7
5	3^2	4^0	4^3	5^3
6	3^2	4^0	4^3	5^3
7	3^2	4^0	4^3	5^3
8	3^2	4^0	4^3	5^3
9	3^2	4^0	4^3	5^3
0	3^4	4^2	4^5	5^5

REVISIONS NAME	DATE
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/00

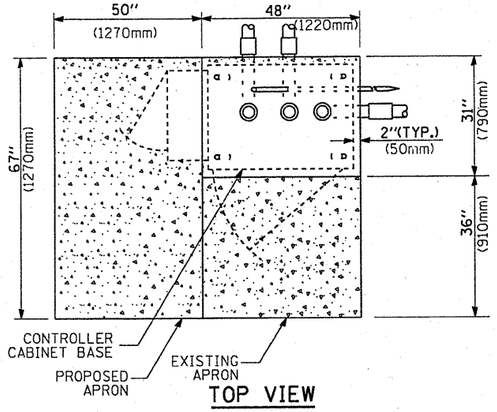
Illinois Department of Transportation
DISTRICT 1

MAST ARM MOUNTED STREET NAME SIGNS

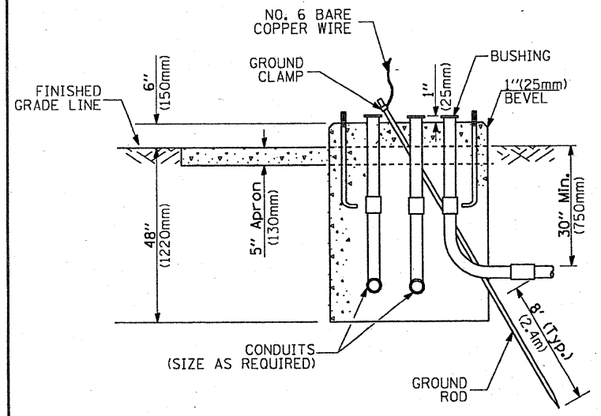
SCALE: NONE
DATE 2/26/79

DRAWN BY RDB
CHECKED BY RP

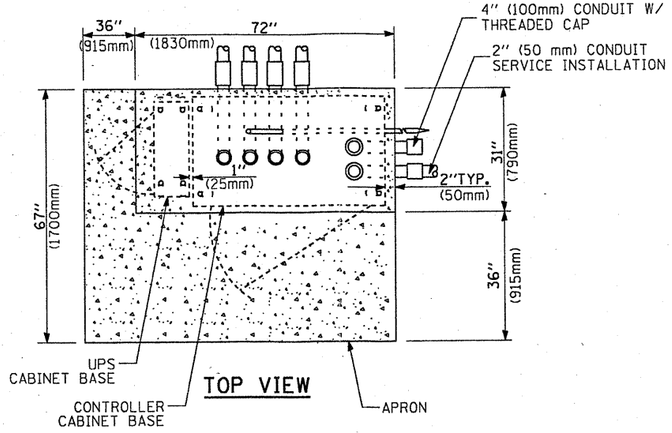
4/4/2011
c:\pw_work\pwidot\kanthaphixaybc\d0113189\I150@court.dgn
kanthaphixaybc



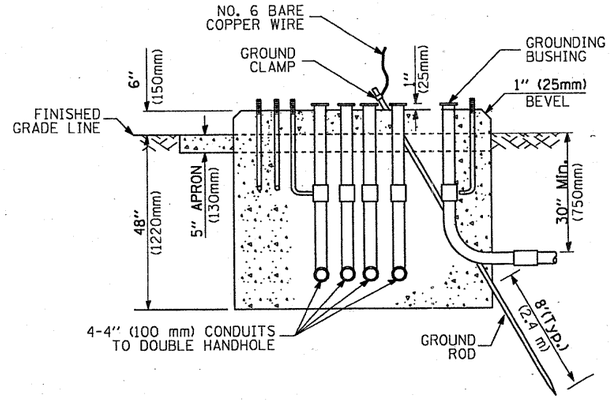
TOP VIEW



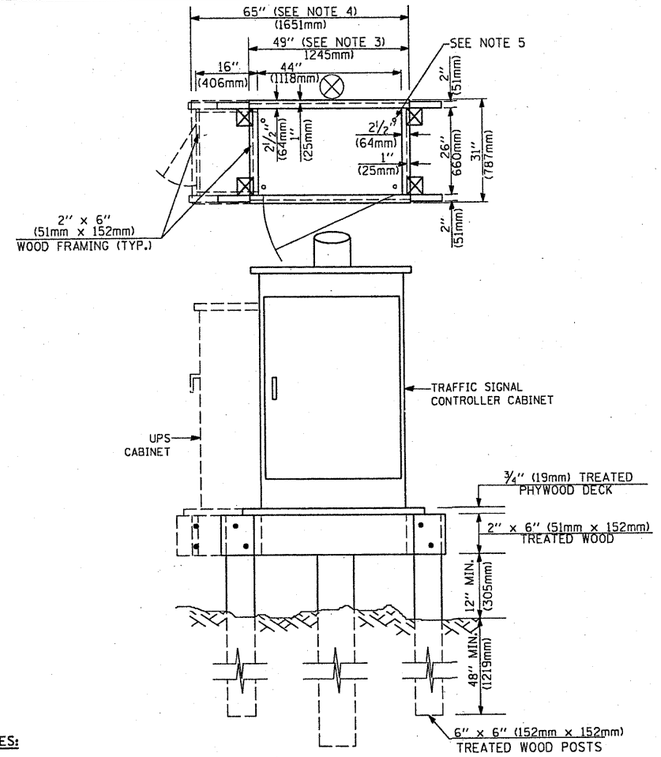
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



TOP VIEW



TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	12	10
		CONTRACT NO. 60445		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
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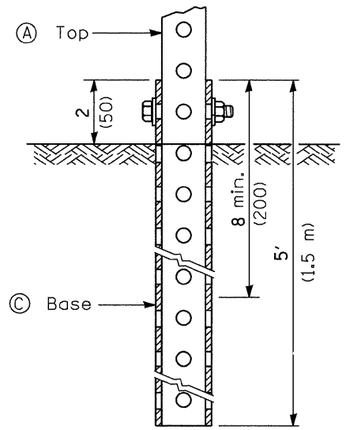
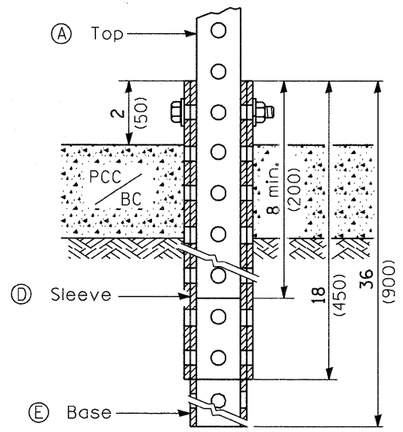
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

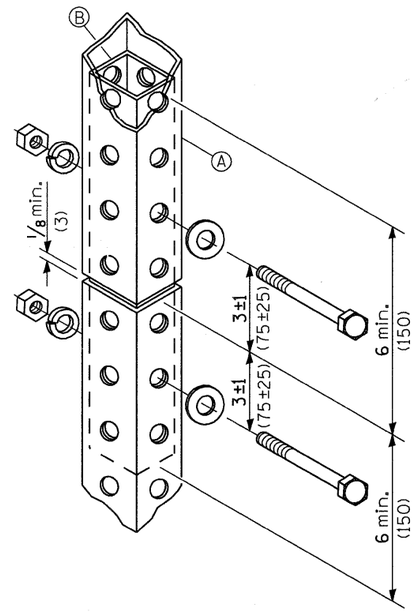
CONTRACT # 60445



GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

Ⓐ	2 x 2 x var.	(51 x 51 var.)
Ⓑ	1¾ x 1¾ x 12	(44 x 44 x 300)
Ⓒ	2¼ x 2¼ x 60	(57 x 57 x 1500)
Ⓓ	2½ x 2½ x 18	(64 x 64 x 450)
Ⓔ	2¼ x 2¼ x 36)	(57 x 57 x 900)

GENERAL NOTES

All bolts ⅜ (M10) hex head zinc or cadmium plated.

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

Illinois Department of Transportation

APPROVED January 1, 2009
ENGINEER OF OPERATIONS

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

TELESCOPING STEEL SIGN SUPPORT

STANDARD 728001-01

11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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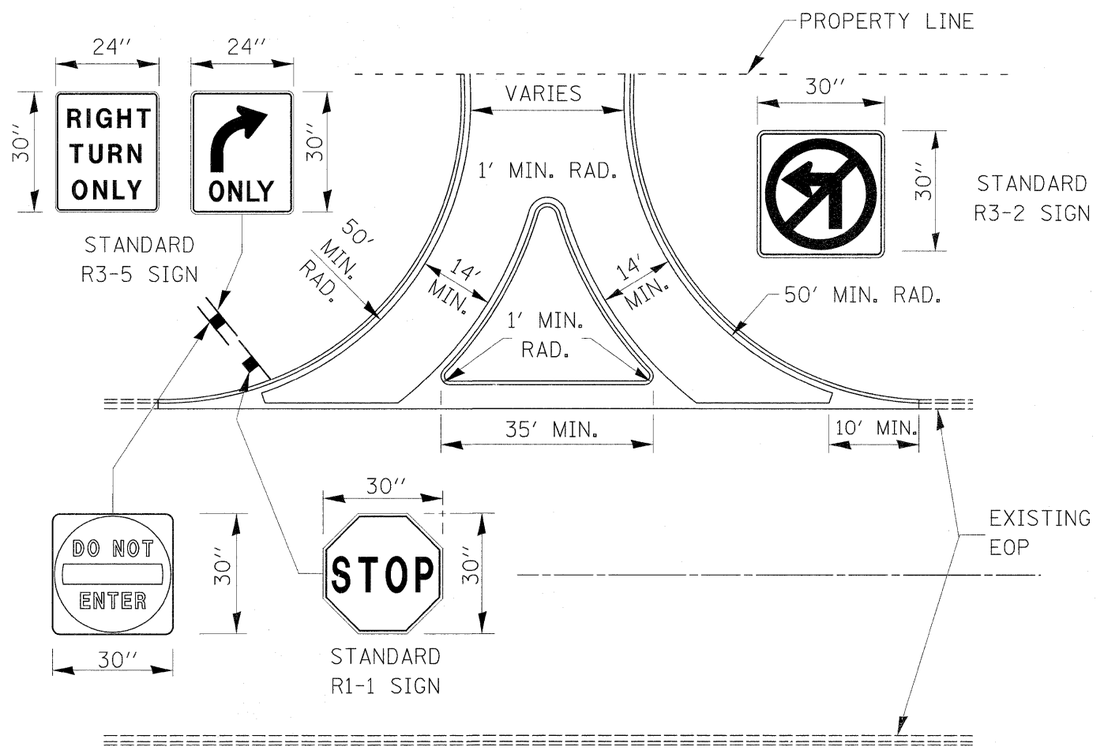
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. - 60445



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL
FOR
RIGHT-IN RIGHT-OUT
DRIVEWAY ENTRANCE

SCALE 1:500 DRAWN BY

DATE 1/10/2011 CHECKED BY

1/10/2011
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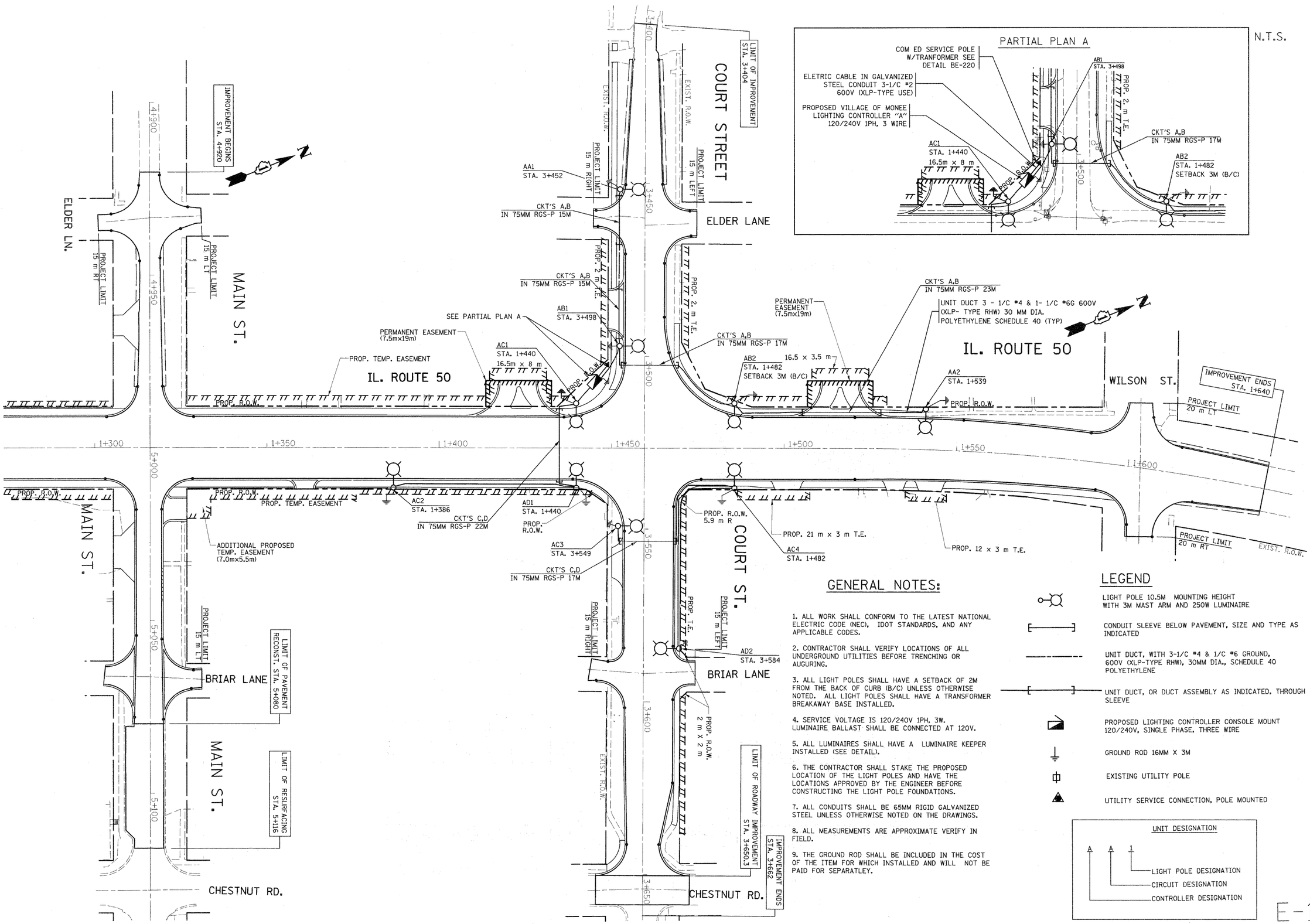
leysa



GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST NATIONAL ELECTRIC CODE (NEC), IDOT STANDARDS, AND ANY APPLICABLE CODES.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGURING.
3. ALL LIGHT POLES SHALL HAVE A SETBACK OF 2M FROM THE BACK OF CURB (B/C) UNLESS OTHERWISE NOTED. ALL LIGHT POLES SHALL HAVE A TRANSFORMER BREAKAWAY BASE INSTALLED.
4. SERVICE VOLTAGE IS 120/240V 1PH, 3W. LUMINAIRE BALLAST SHALL BE CONNECTED AT 120V.
5. ALL LUMINAIRES SHALL HAVE A LUMINAIRE KEEPER INSTALLED (SEE DETAIL).
6. THE CONTRACTOR SHALL STAKE THE PROPOSED LOCATION OF THE LIGHT POLES AND HAVE THE LOCATIONS APPROVED BY THE ENGINEER BEFORE CONSTRUCTING THE LIGHT POLE FOUNDATIONS.
7. ALL CONDUITS SHALL BE 65MM RIGID GALVANIZED STEEL UNLESS OTHERWISE NOTED ON THE DRAWINGS.
8. ALL MEASUREMENTS ARE APPROXIMATE VERIFY IN FIELD.
9. THE GROUND ROD SHALL BE INCLUDED IN THE COST OF THE ITEM FOR WHICH INSTALLED AND WILL NOT BE PAID FOR SEPARATLEY.

LEGEND

- LIGHT POLE 10.5M MOUNTING HEIGHT WITH 3M MAST ARM AND 250W LUMINAIRE
- CONDUIT SLEEVE BELOW PAVEMENT, SIZE AND TYPE AS INDICATED
- UNIT DUCT, WITH 3-1/C #4 & 1/C #6 GROUND, 600V (XLP-TYPE RHW), 30MM DIA., SCHEDULE 40 POLYETHYLENE
- UNIT DUCT, OR DUCT ASSEMBLY AS INDICATED, THROUGH SLEEVE
- PROPOSED LIGHTING CONTROLLER CONSOLE MOUNT 120/240V, SINGLE PHASE, THREE WIRE
- GROUND ROD 16MM X 3M
- EXISTING UTILITY POLE
- UTILITY SERVICE CONNECTION, POLE MOUNTED

UNIT DESIGNATION

A A 1

- LIGHT POLE DESIGNATION
- CIRCUIT DESIGNATION
- CONTROLLER DESIGNATION

E-1

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	PLOT DATE = 5/11/2011	DATE - 02-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

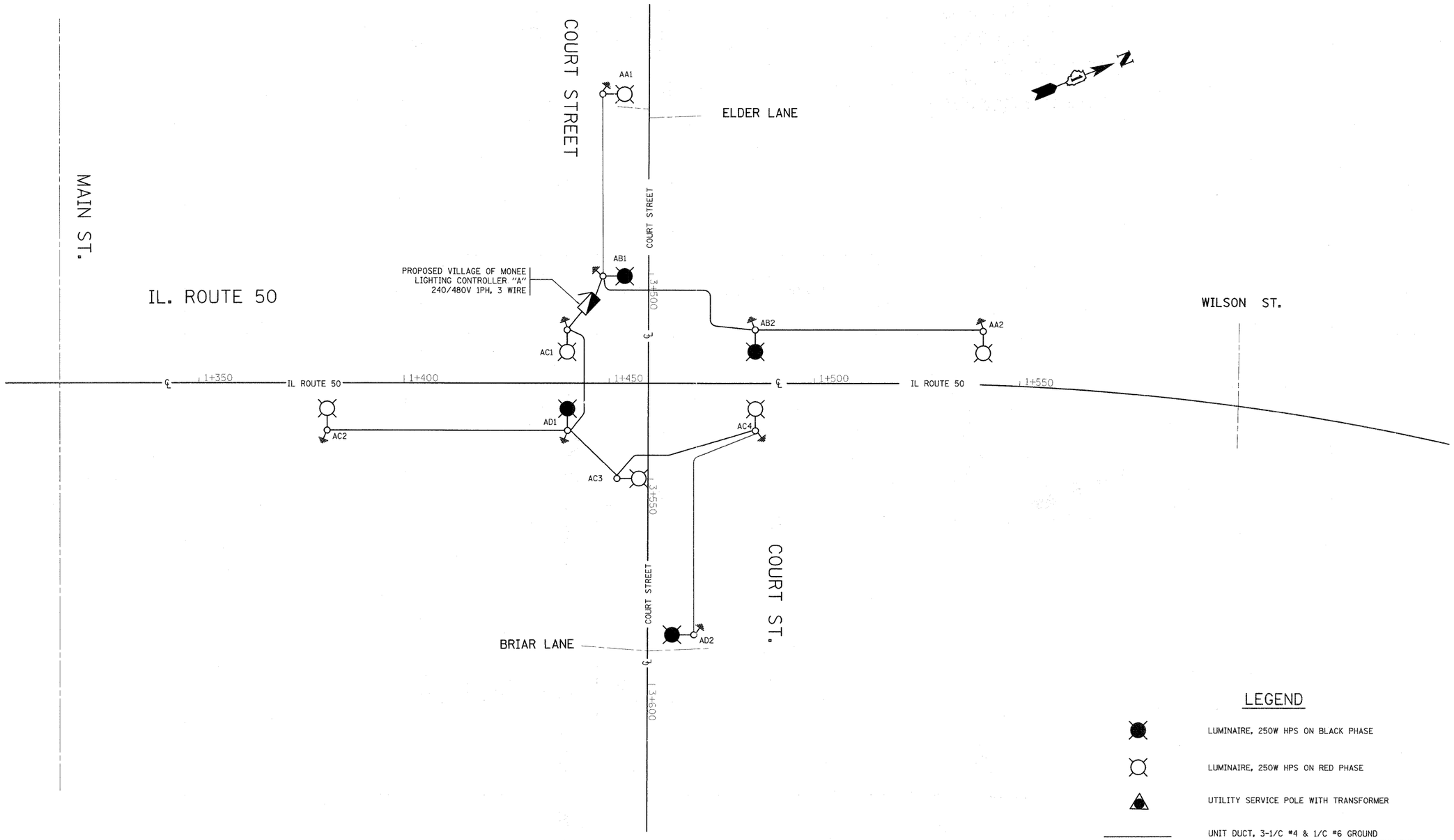
PROPOSED LIGHTING PLAN
IL. RTE. 50

SCALE: 1:500 | SHEET NO. OF SHEETS | STA. 1+000 TO STA. 1+350

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	73

CONTRACT NO. 60445

ILLINOIS FED. AID PROJECT



LEGEND

- LUMINAIRE, 250W HPS ON BLACK PHASE
- LUMINAIRE, 250W HPS ON RED PHASE
- UTILITY SERVICE POLE WITH TRANSFORMER
- UNIT DUCT, 3-1/C #4 & 1/C #6 GROUND 600V, (XLP-TYPE RHW) 30MM DIA. POLYETHYLENE
- PROPOSED LIGHTING CONTROLLER CONSOLE MOUNT 120/240V, SINGLE PHASE, THREE WIRE

E-2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 50 AT COURT STREET WIRING
DIAGRAM CONTROLLER "A"

SCALE: NONE | SHEET NO. OF SHEETS | STA. 1+000 | TO STA. 1+350

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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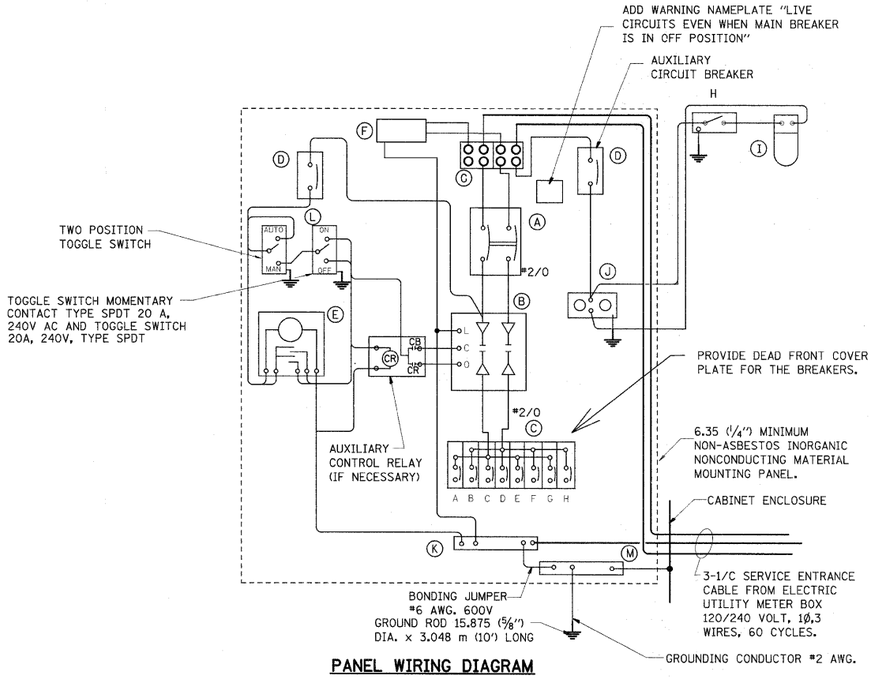
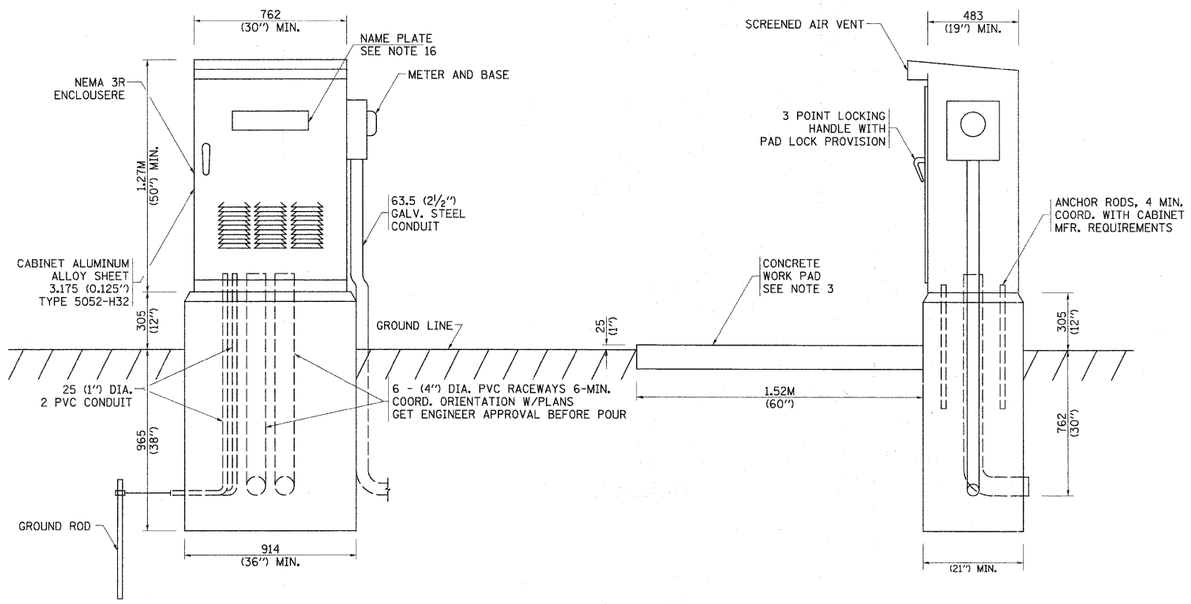
	ILLINOIS FED. AID PROJECT			



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. FRAME, 100AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP. FRAME 50 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 120 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10000 AMP. AT 120 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH].
F	1	SURGE ARRESTER
G	1	SPLICE BLOCK
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN,
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 6.35 (1/4") X 25.4 (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 (1/4") X 25.4 (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS



NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18.288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
    R = RED BL = BLUE W = WHITE
    B = BLACK Y = YELLOW G = GREEN
13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
14. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF MONEE LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

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		DRAWN -	REVISED -
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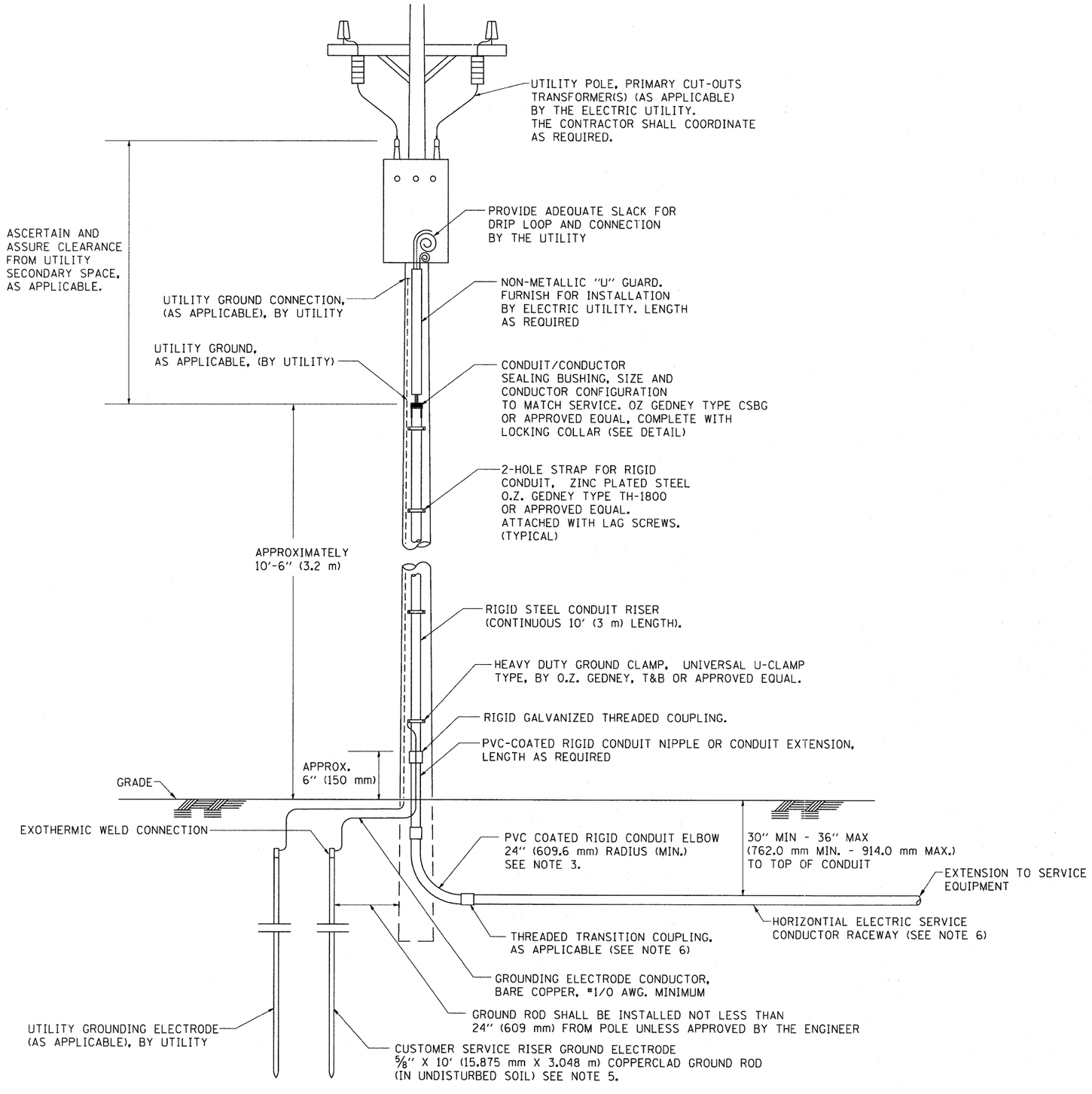
	PLOT DATE = 5/11/2011	DATE - 02-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 50 AT COURT STREET LIGHTING
CONTROLLER SINGLE DOOR

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	12	75
		CONTRACT NO. 60445		
		ILLINOIS	FED. AID PROJECT	

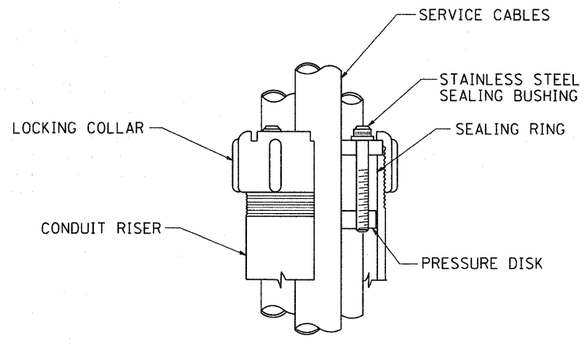


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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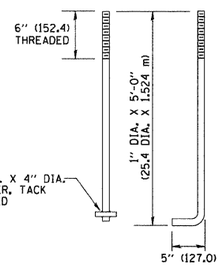
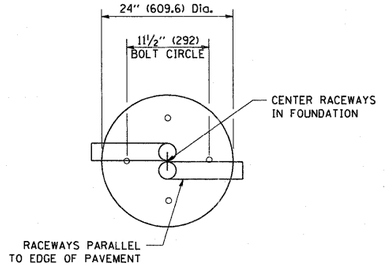
LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

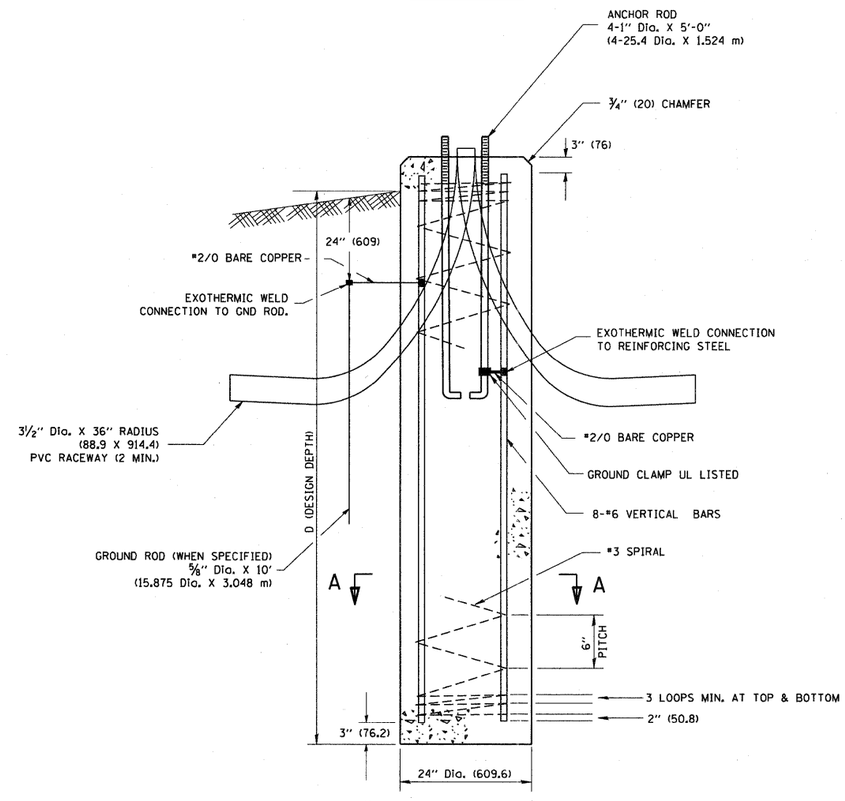
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND Ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND Ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



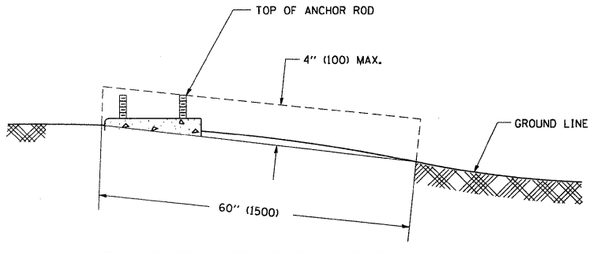
ANCHOR BOLT DETAIL



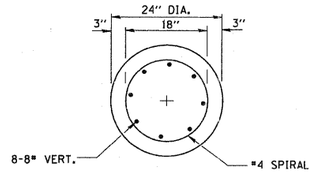
TOP VIEW



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

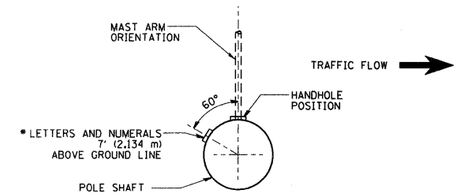
FILE NAME = W:\diststd\22x34\be300.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

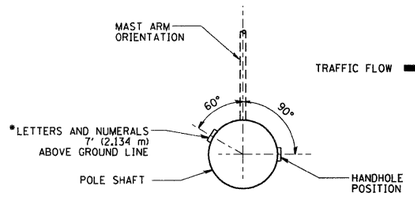
LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

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

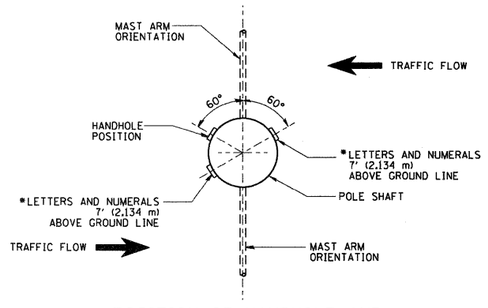
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	143N	WILL	121	77
	BE-300	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



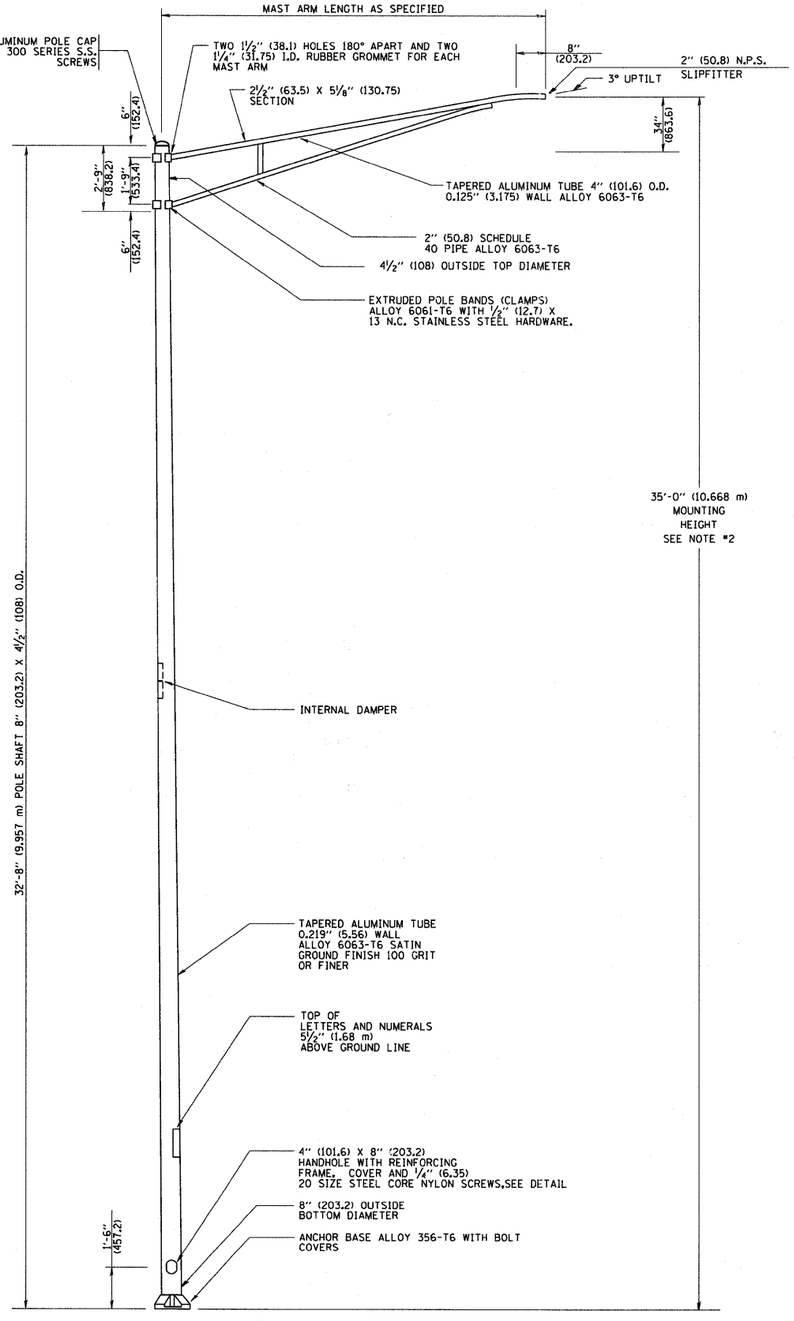
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL

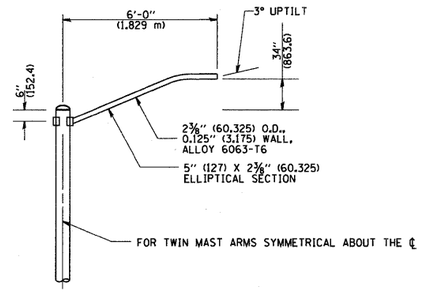


POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

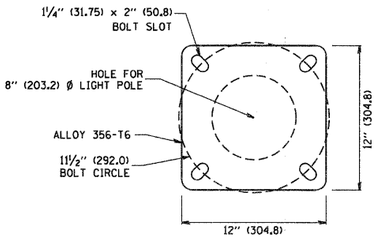




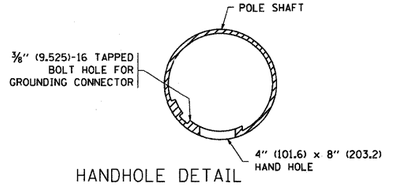
6' (1.8 m) SINGLE MEMBER MAST ARM
(N.T.S.)

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL
11½" (292.0) BOLT CIRCLE



HANDHOLE DETAIL
(N.T.S.)

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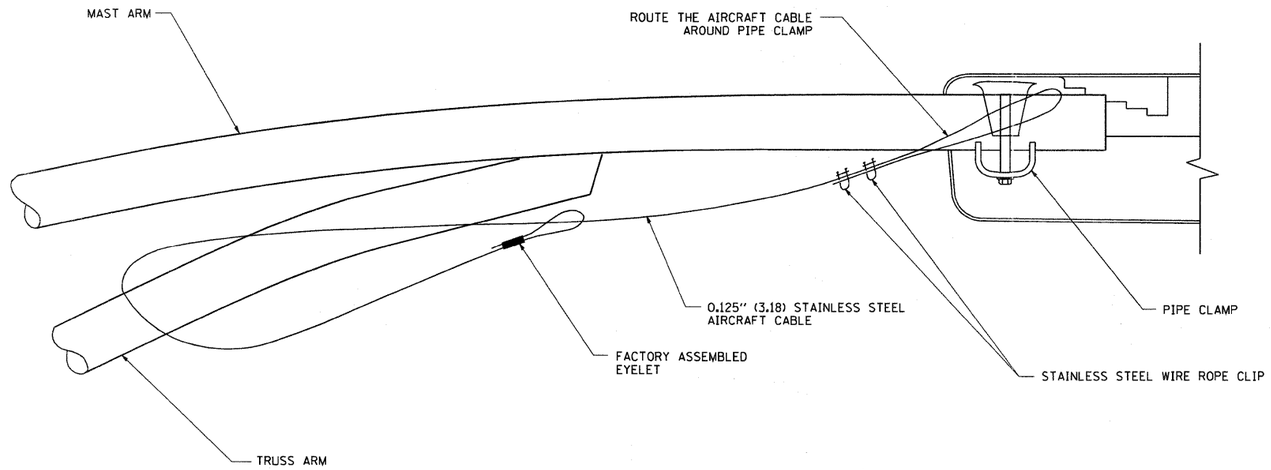
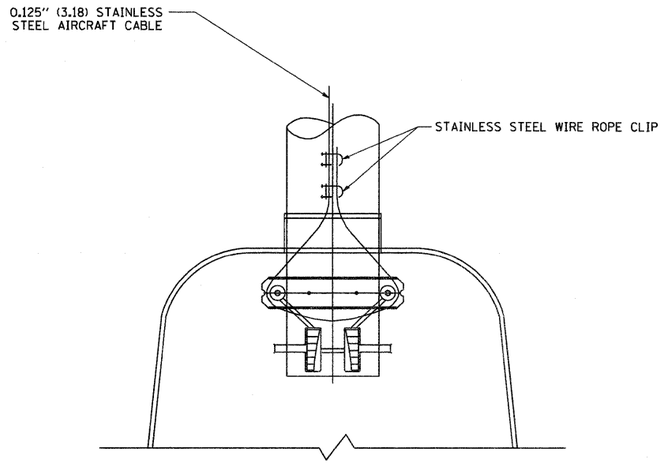
		DRAWN -	REVISED - R. TOMSONS 09-02-03			810	143N	WILL	121	78
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -				BE-402	CONTRACT NO. 60445		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



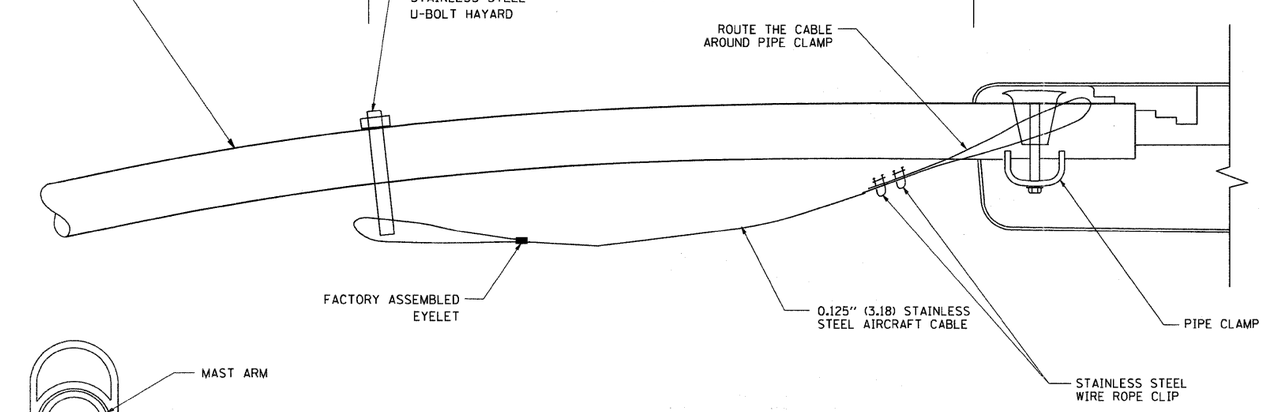
SIDE VIEW (TRUSS ARM)

N.T.S.



BOTTOM VIEW

N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)

N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

FILE NAME = W:\diststd\22x34\be701.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LUMINAIRE SAFETY CABLE ASSEMBLY	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			840	143N	WILL	12	79
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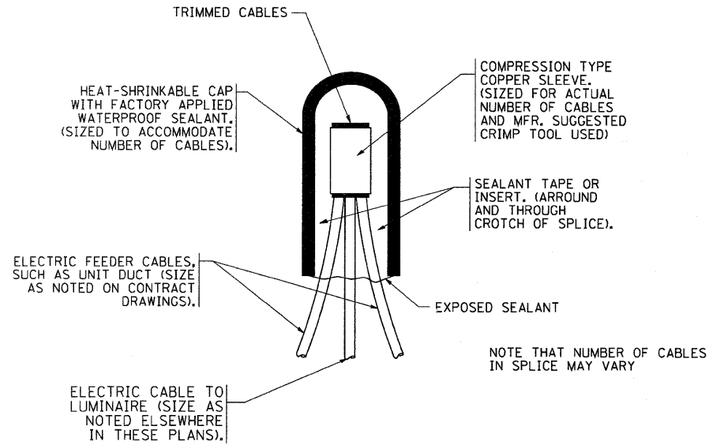
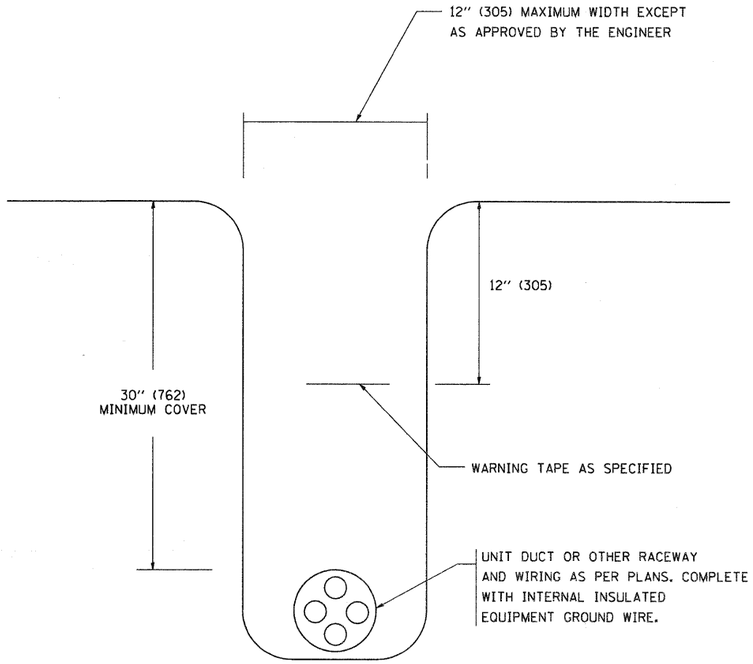
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



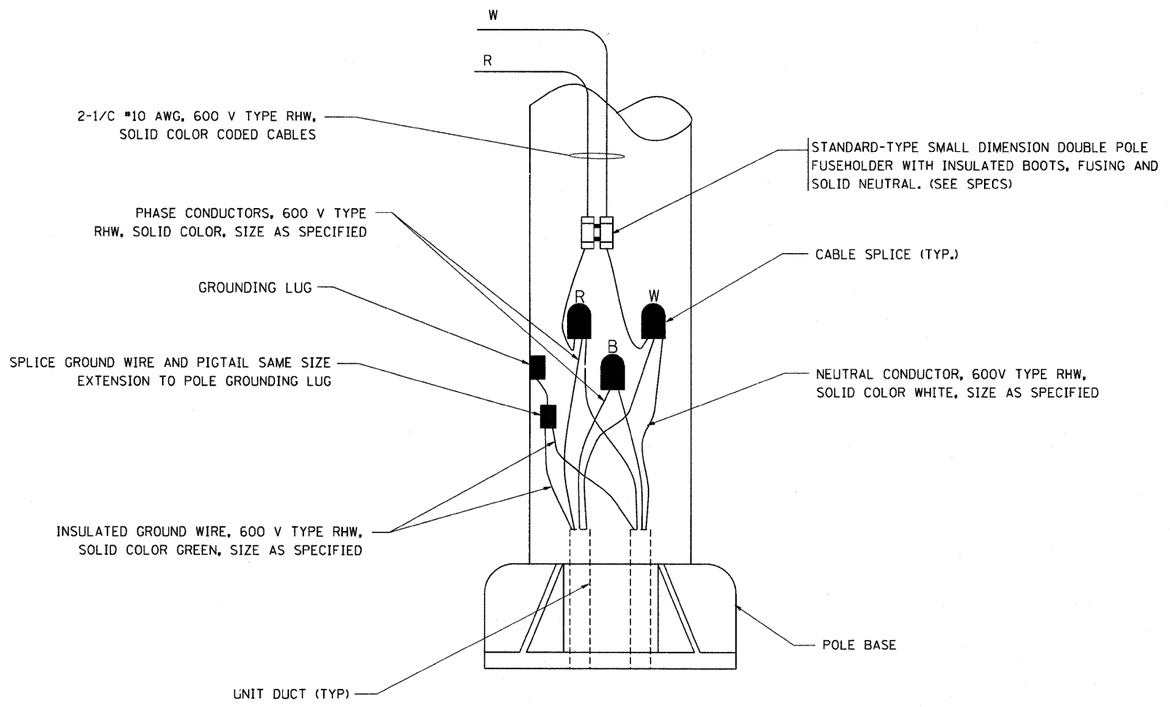
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

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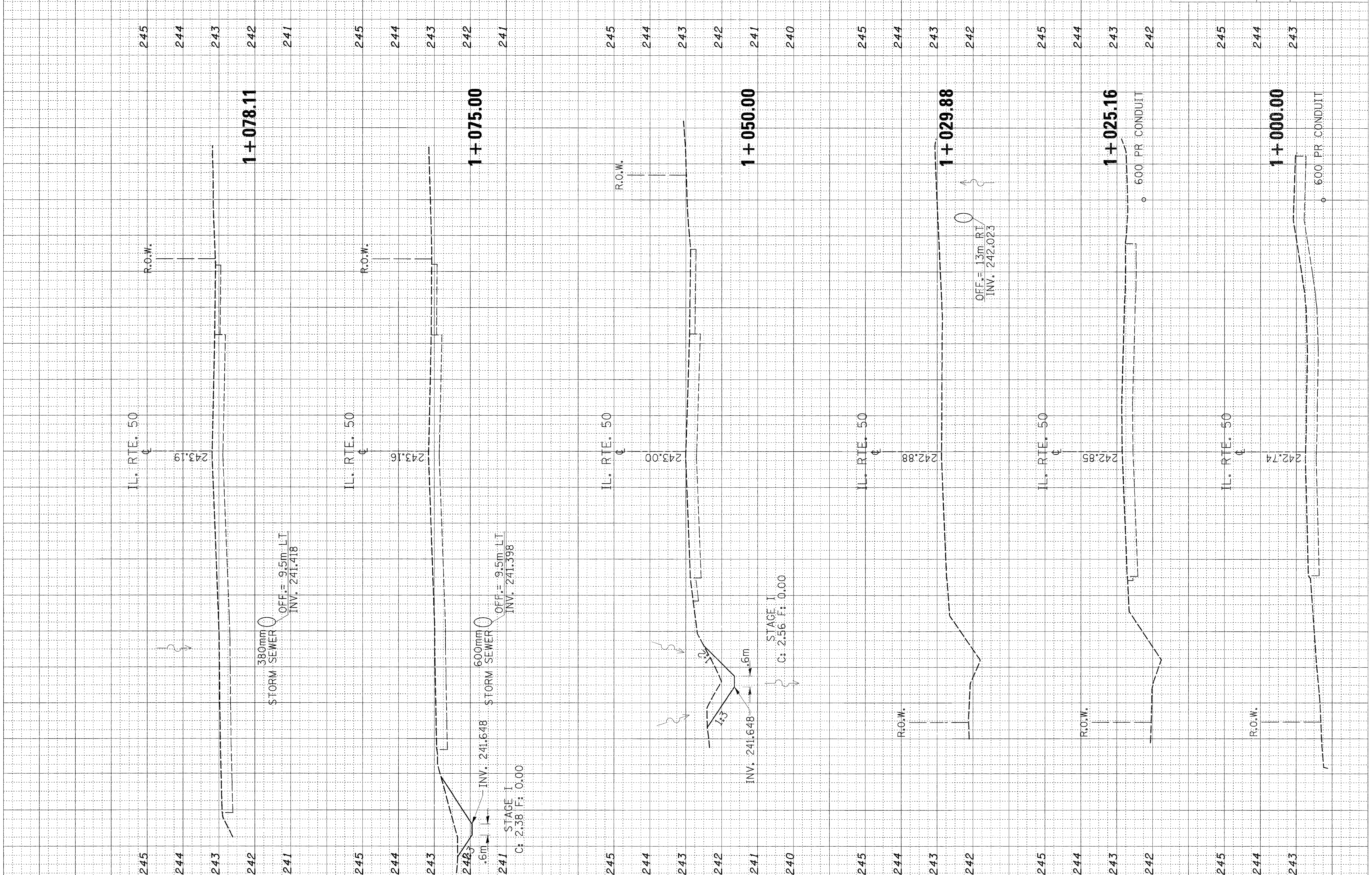
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

* Sheets of 10 dell

CONTRACT # 60445

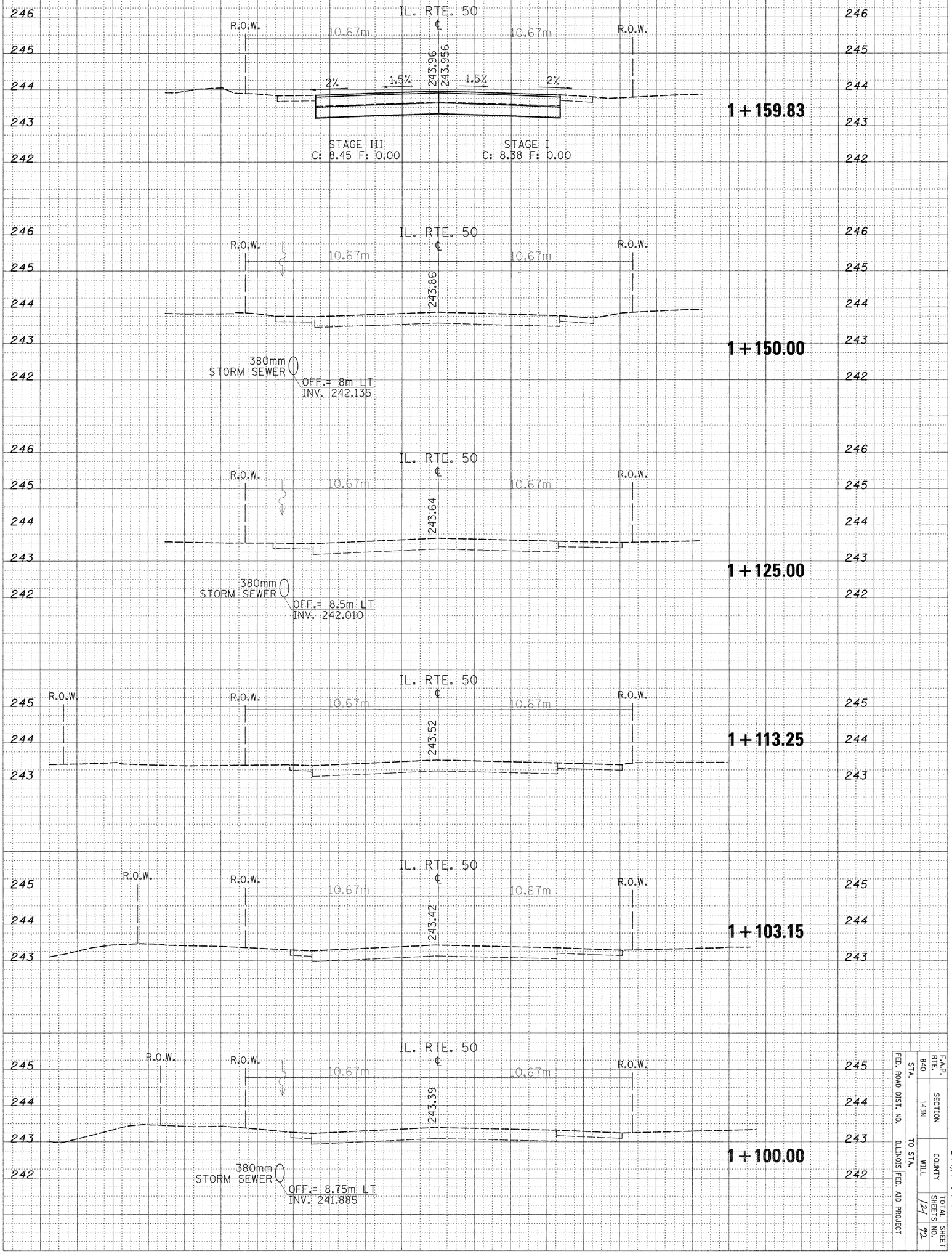
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	91
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24



FED. ROAD DIST. NO.	STA.	F.A.P. RTE.
ILLINOIS FED. AID PROJECT	TO STA.	SECTION 143N
		COUNTY WILL
		TOTAL SHEETS 121
		SHEET NO. 92

CONTRACT # 61445

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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

247 246 245 244 243 242

PROP. R.O.W. R.O.W. 10.67m 12m IL. RTE. 50 ℄ 10.67m 12m PROP. R.O.W. R.O.W.

ENTRANCE 2% 1.5% 244.61 244.669 1.5% 2% ENTRANCE

OFF.= 8.25m LT INV. STAGE II C: 1.98 F: 0.00 OFF.= 8.75m RT INV.

1+214.33

STAGE III C: 10.04 F: 0.00 STAGE I C:9.83 F: 0.16

PROP. R.O.W. R.O.W. 10.67m 12m IL. RTE. 50 ℄ 10.67m 12m PROP. R.O.W. R.O.W.

ENTRANCE 2% 1.5% 244.51 244.503 1.5% 2% 2%

1+208.50

STAGE II C: 1.61 F: 0.00

STAGE III C: 10.45 F: 0.00 STAGE I C: 9.72 F: 0.15

PROP. R.O.W. R.O.W. 10.67m 12m IL. RTE. 50 ℄ 10.67m 12m R.O.W. PROP. R.O.W.

2% 2% 1.5% 244.36 244.356 1.5% 2% 2%

OFF.= 8m LT INV. 243.130 STAGE II C: 1.09 F: 0.00 OFF.= 8m RT INV. 243.114

1+200.00

STAGE III C: 10.73 F: 0.00 STAGE I C: 9.47 F: 0.37

IL. RTE. 50 ℄

MARGARET ST. 2% 1.5% 244.10 244.099 1.5% 2%

EXIST. GAS LINE @ STA. 1+166

OFF.= 7.25m LT INV. 242.930 EXIST. WATER MAIN @ STA. 1+178

1+175.00

STAGE III C: 9.03 F: 0.00 STAGE I C: 9.18 F: 0.00

IL. RTE. 50 ℄

2% 1.5% 244.07 244.066 1.5% 2%

1+171.62

STAGE III C: 9.16 F: 0.00 STAGE I C: 9.35 F: 0.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	93

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

Contract # 64645

CONTRACT # 60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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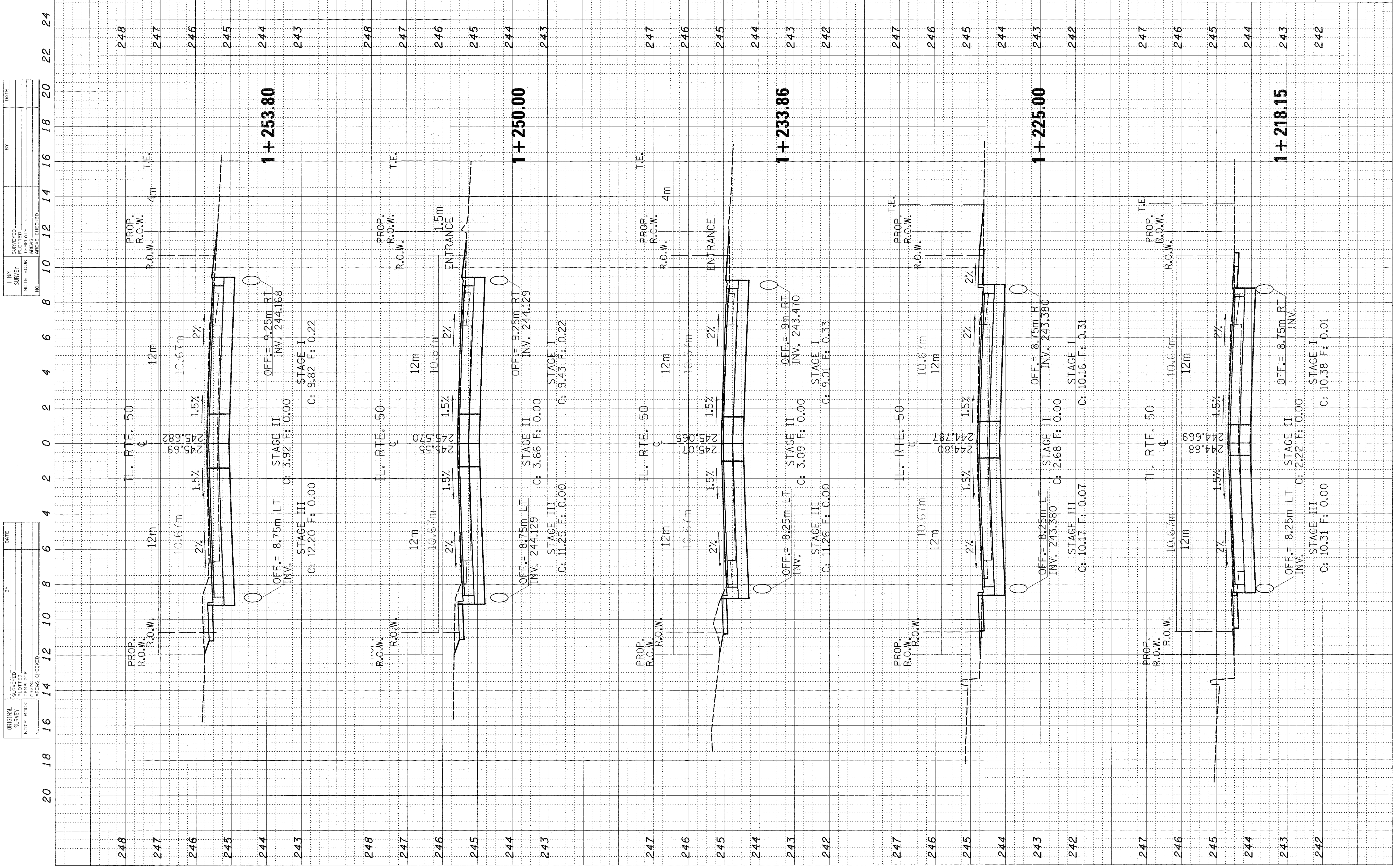
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



94

ORIGINAL SURVEY		BY	DATE
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NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

250 249 248 247 246 245

IL. RTE. 50
℄
247.59
246.871
MAIN ST.
MAIN ST.
2% 1.5% 1.5% 2%
1+316.08
OFF.= 12.5m LT
INV. 245.270

250 249 248 247 246 245 244

T.E.
PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
T.E.
R.O.W.
12m 10.67m
12m 10.67m
1.5m
1.5m
247.31
246.682
2% 1.5% 1.5% 2% 2%
STAGE II
C: 8.32 F: 0.00
EXIST. GAS LINE
1+300.00
STAGE III
C: 23.68 F: 0.00
STAGE I
C: 21.57 F: 0.00
OFF.= 9m LT
INV. 245.030

250 249 248 247 246 245 244 243

EXIST. SEWER
T.E.
PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
R.O.W.
12m 10.67m
12m 10.67m
1.5m
1.5m
246.49
246.225
4% 1.5% 1.5% 2% 2%
OFF.= 9m LT
INV. 244.375
STAGE II
C: 5.87 F: 0.00
OFF.= 9m RT
INV. 244.375
1+275.00
STAGE III
C: 15.98 F: 0.00
STAGE I
C: 14.05 F: 0.01

249 248 247 246 245 244 243

T.E.
PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
T.E.
R.O.W.
12m 10.67m
12m 10.67m
1.5m
ENTRANCE
246.10
245.977
2% 1.5% 1.5% 2% 2%
OFF.= 9.25m LT
INV. 244.218
STAGE II
C: 4.91 F: 0.00
1+264.62
STAGE III
C: 12.82 F: 0.00
STAGE I
C: 11.28 F: 0.60

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	95
FED. ROAD DIST. NO.	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

Contract # 60445

Rev.

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

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

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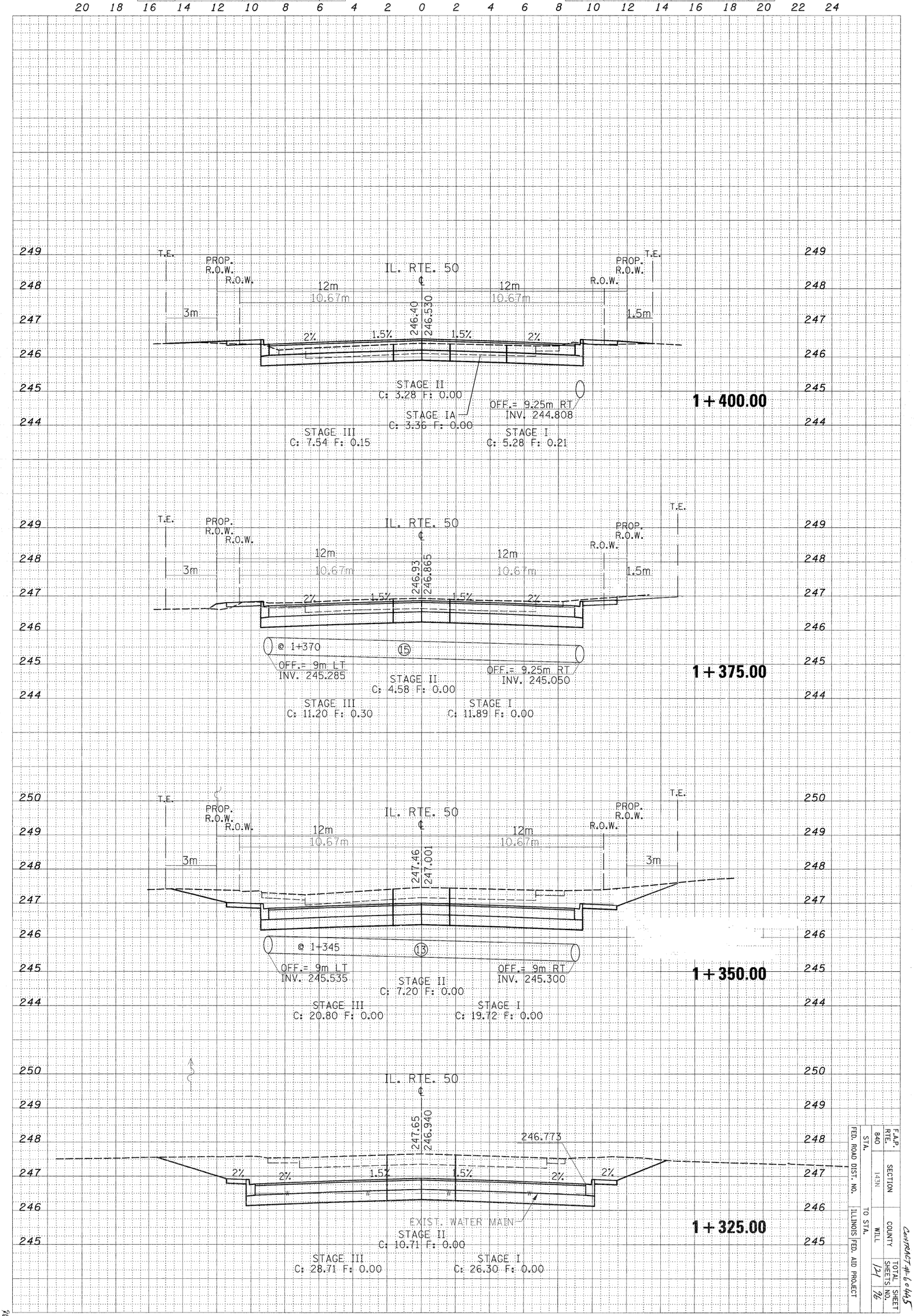

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840	143N	WILL	12	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT #60445

Rev.

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

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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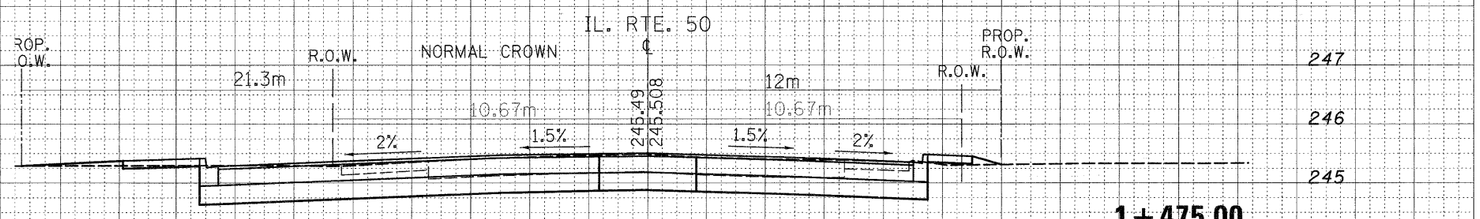
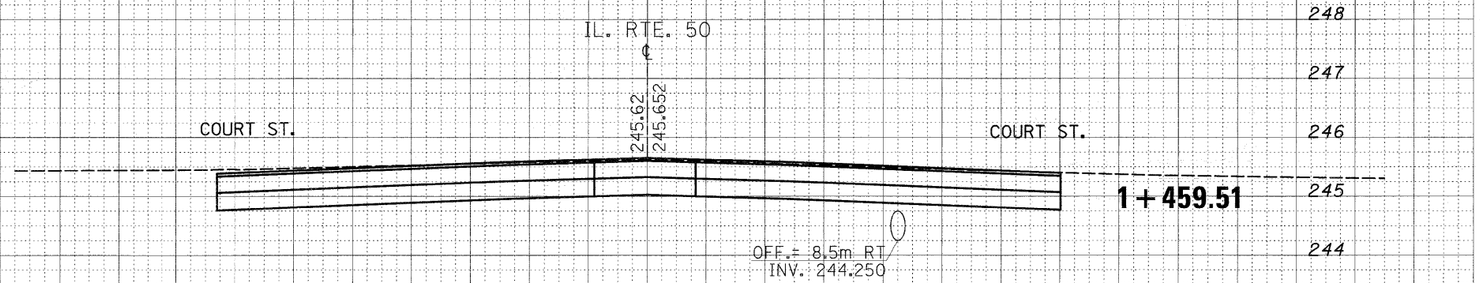
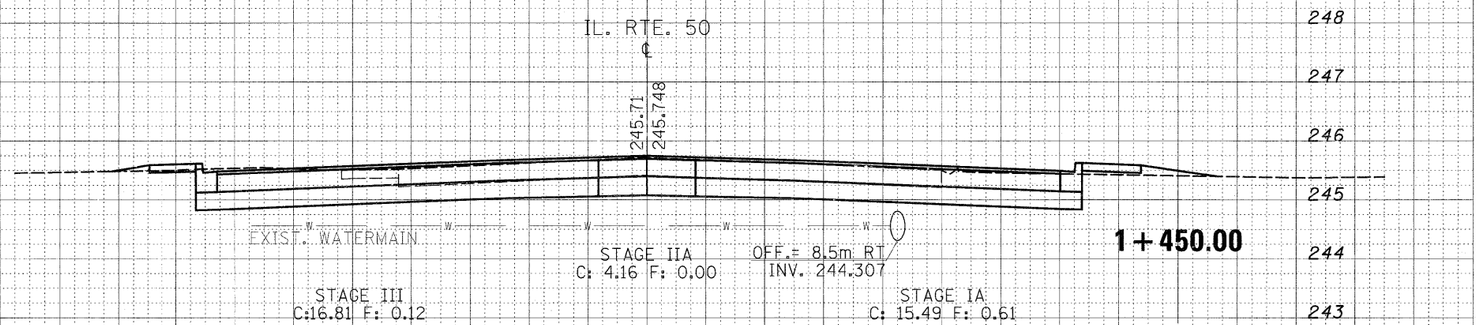
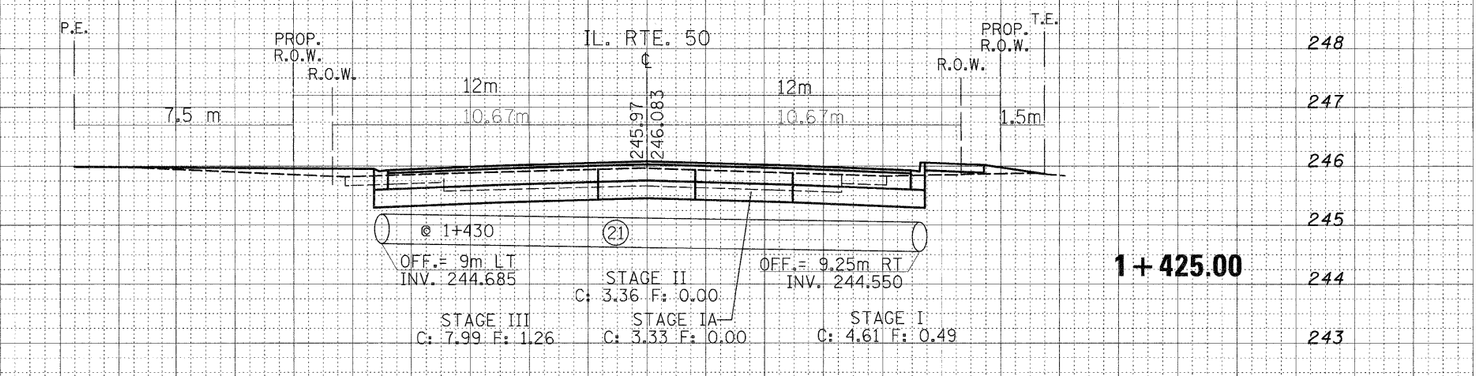
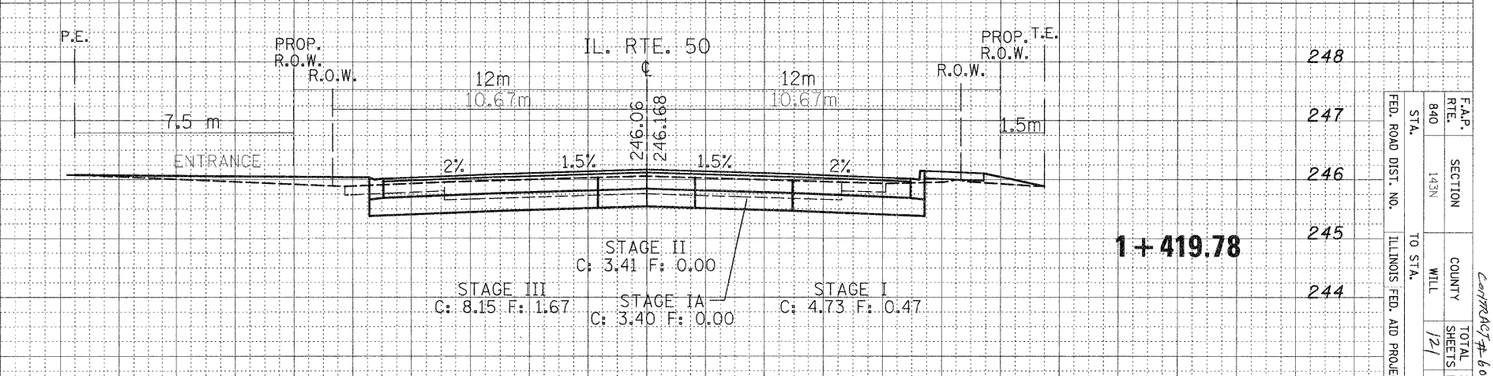










20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

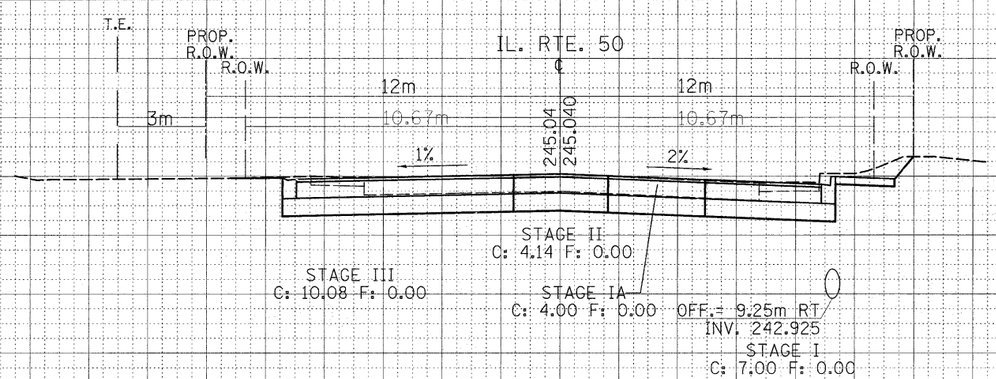
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	12/	97
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

Contract # 60445

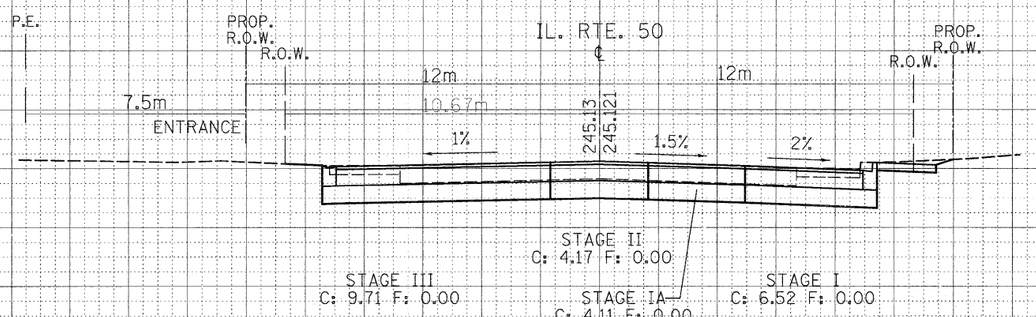
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

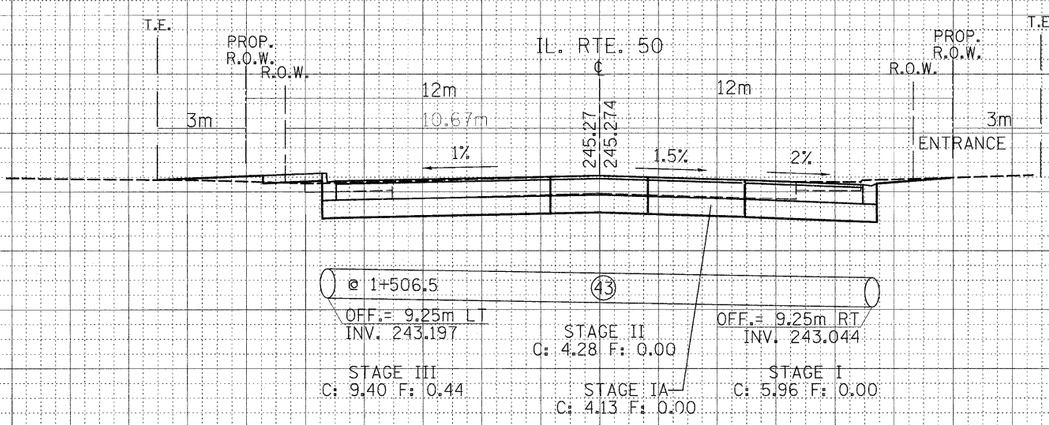
20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24



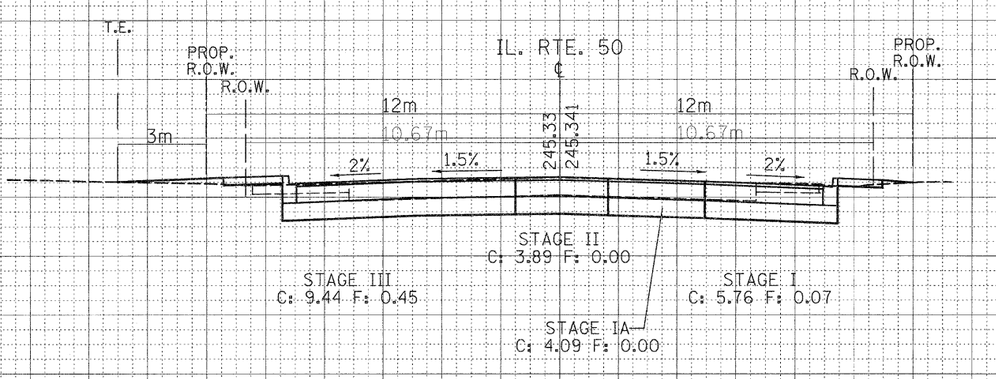
1+525.00



1+516.36



1+500.00



1+492.83

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	127	78
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT # 64485

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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

246 245 244 243 242

IL. RTE. 50
℄
243.94
243.992
MATCH EXIST. SECTION ON S.E.
3.0%
1+600.00
STAGE II
C: 1.10 F: 0.00
STAGE III
C: 8.97 F: 0.00
STAGE I
C: 7.85 F: 0.00

247 246 245 244 243 242

PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
R.O.W.
14.5 m
9.67m
2m
1%
244.37
244.419
3.2%
OFF.= 8.75m LT
INV. 242.917
1+575.00
OFF.= 8.25m RT
INV. 242.704
STAGE II
C: 2.35 F: 0.00
STAGE III
C: 10.20 F: 0.04
STAGE I
C: 8.86 F: 0.28

247 246 245 244 243 242

PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
R.O.W.
12.7 m
10.67m
12m
10.67m
1%
244.74
244.768
2.6%
OFF.= 9.25m LT
INV. 242.982
1+550.00
OFF.= 8.75m RT
INV. 242.799
STAGE II
C: 3.45 F: 0.00
STAGE III
C: 10.22 F: 0.09
STAGE I
C: 8.90 F: 0.06

247 246 245 244 243 242

PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
R.O.W.
12.4m
10.67m
12m
10.67m
1%
244.83
244.856
2.15%
ENTRANCE
1+542.68
STAGE II
C: 3.43 F: 0.00
STAGE III
C: 10.22 F: 0.03
STAGE IA
C: 4.06 F: 0.00
STAGE I
C: 5.04 F: 0.00

247 246 245 244 243 242

PROP. R.O.W.
R.O.W.
IL. RTE. 50
℄
PROP. R.O.W.
R.O.W.
12m
10.67m
12m
10.67m
1%
244.95
244.970
2.15%
ENTRANCE
1+532.20
STAGE II
C: 3.69 F: 0.00
STAGE III
C: 10.27 F: 0.00
STAGE IA
C: 3.94 F: 0.00
OFF.= 9m RT
INV. 242.895
STAGE I
C: 5.47 F: 0.00

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

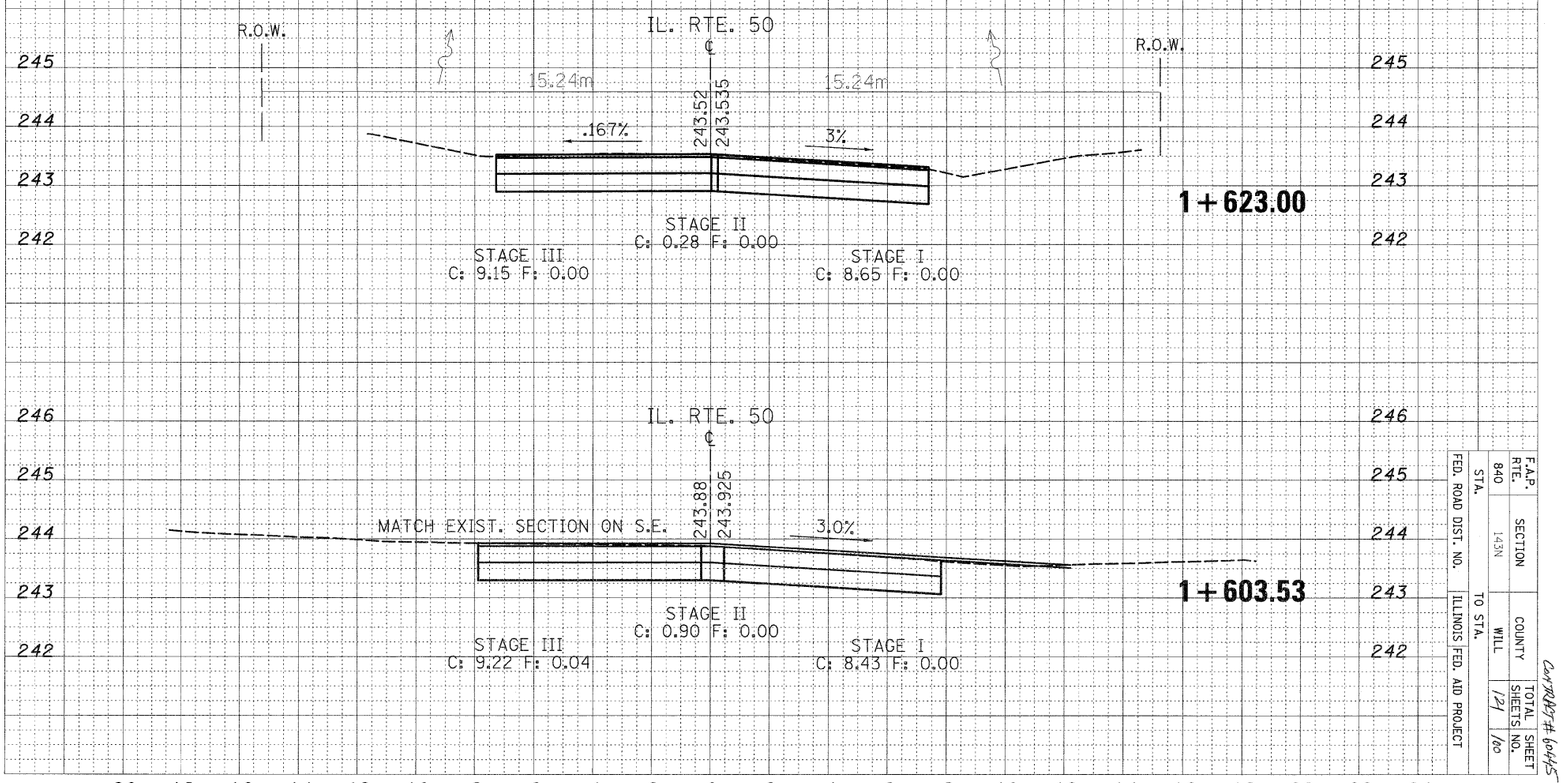
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	11
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
STA.	TO STA.			

CONTRACT #61485

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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24



20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	60
FED. ROAD DIST. NO.	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

CONTRACT # 60445

CONTRACT #60485

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	101
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

3+654.20

3+650.31

CHESTNUT RD.

Court St.

℄

246.11

Court St.

℄

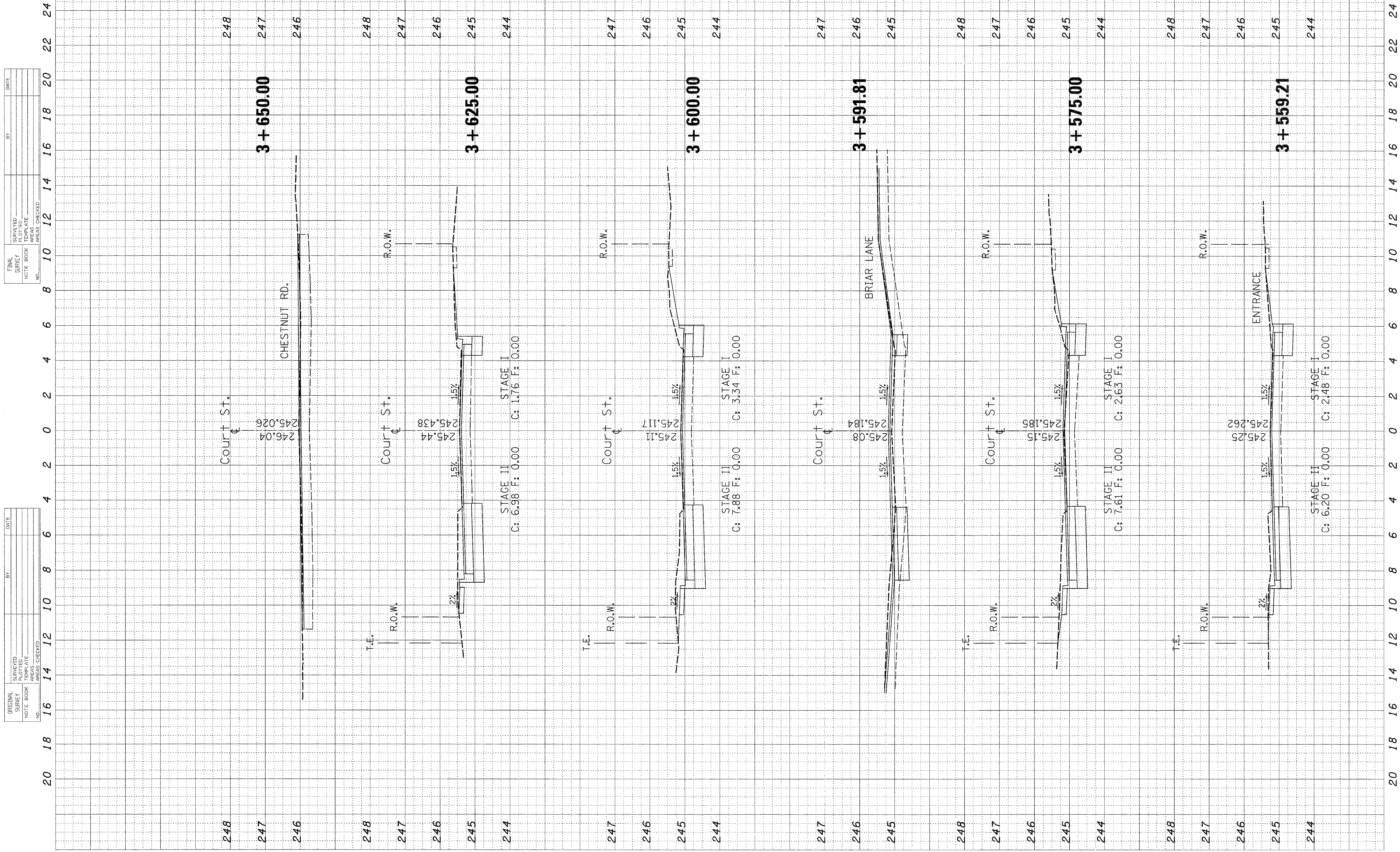
246.04

245.038

101

CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	102
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

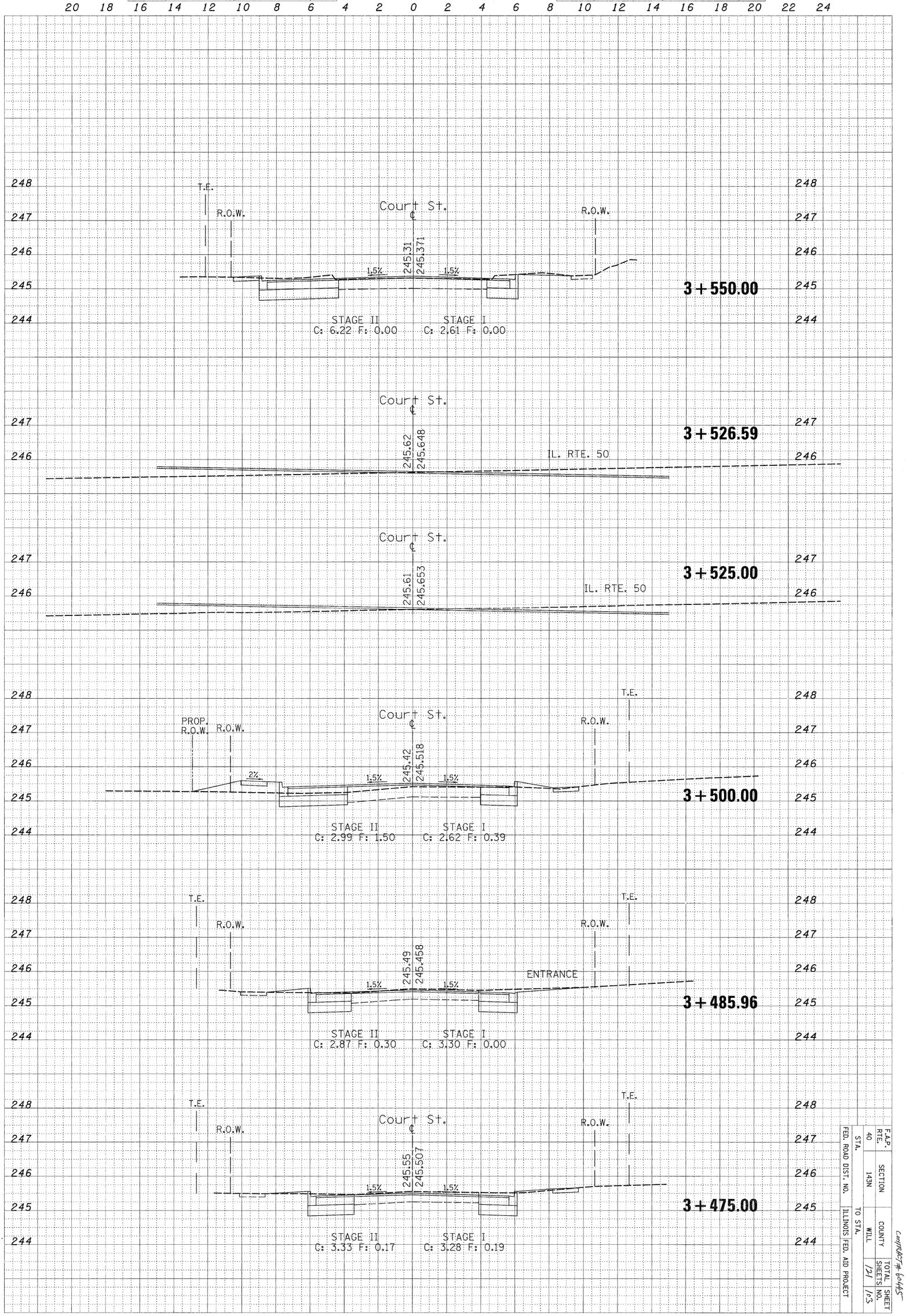


102

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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

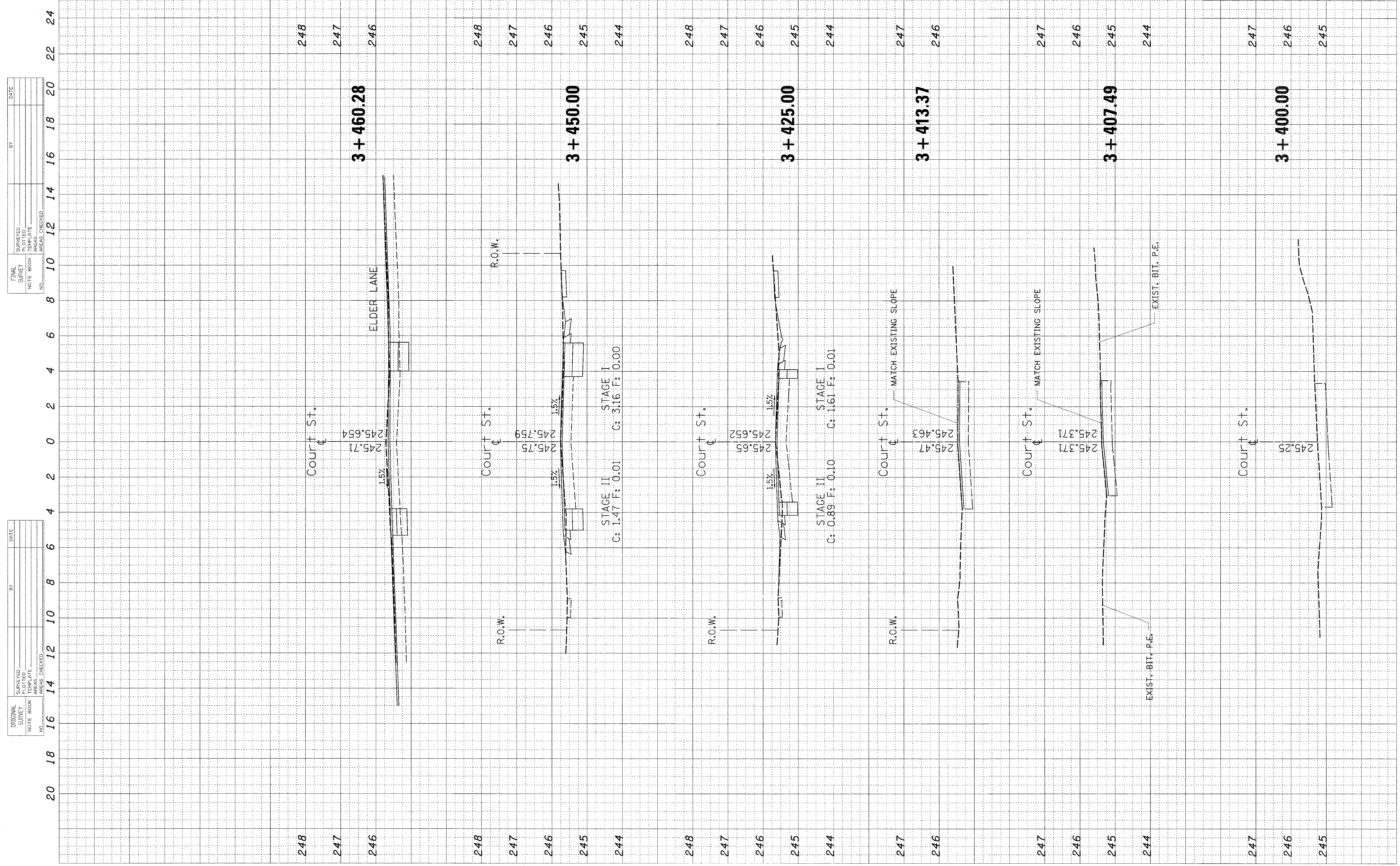


FED. ROAD DIST. NO.	STA.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
ILLINOIS FED. AID PROJECT	TO STA.	143N	WILL	121 / 63
				F.A.P. RTE. 40

contract # 60445

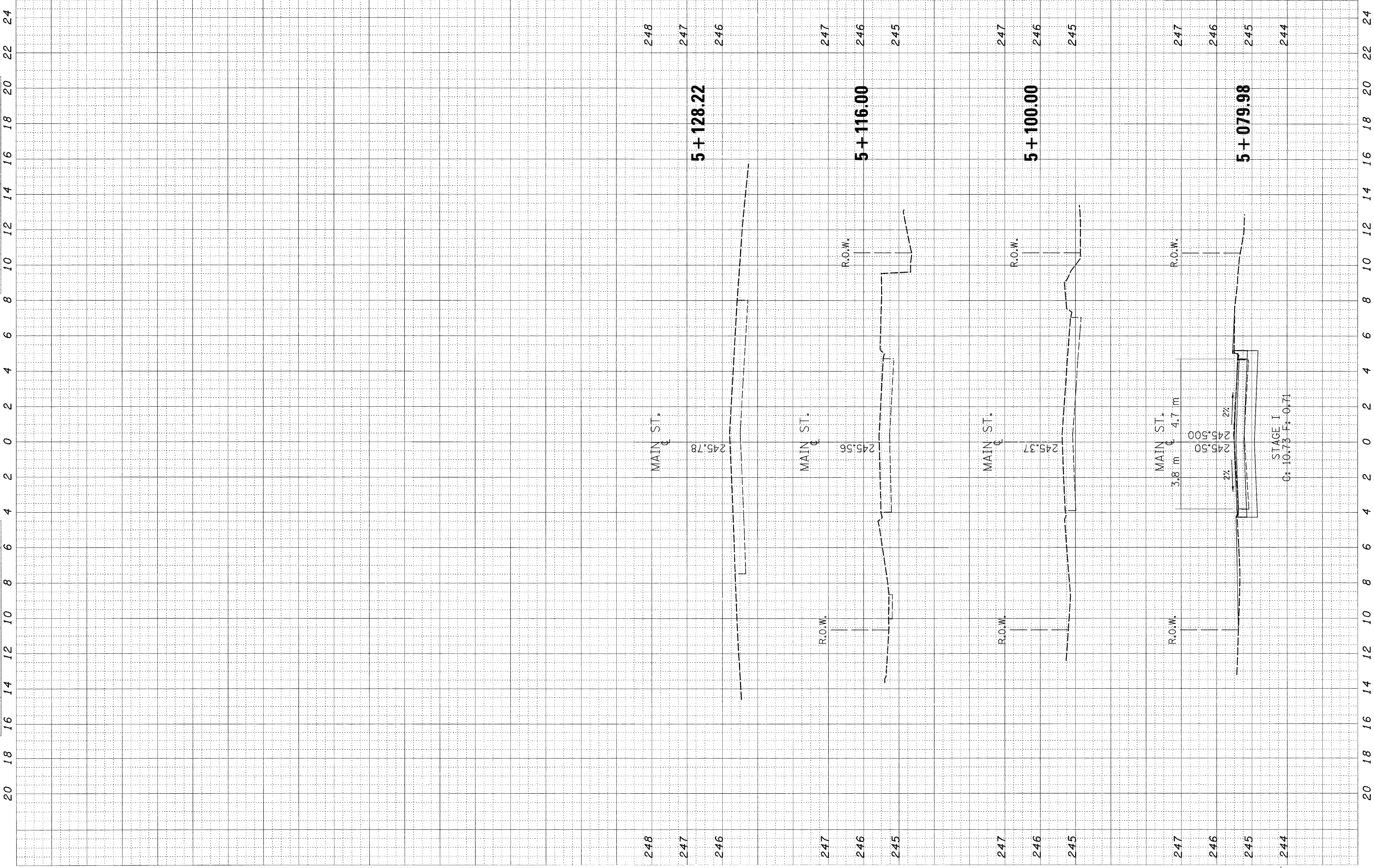
CONTRACT #60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143N	WILL	121	104
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CONTRACT NO. - 60445

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	105
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

MAIN ST. ℄

R.O.W. R.O.W.

245.57 245.558

2% 2%

247 246 245 244

5 + 075.00

STAGE I
C: 12.06 F: 0.07

248 247 246 245 244

RESURF. LIMIT RESURF. LIMIT

BRIAR LANE BRIAR LANE

MAIN ST. ℄

245.78 245.765

2% 2%

5 + 066.33

STAGE I
C: 10.33 F: 0.00

R.O.W. R.O.W.

MAIN ST. ℄

3.3 m 4.0 m

246.21 246.155

2% 2%

248 247 246 245

5 + 050.00

STAGE I
C: 14.33 F: 0.00

R.O.W. R.O.W.

MAIN ST. ℄

3.3 m 4.0 m

246.83 246.545

2% 2%

ENTRANCE

249 248 247 246 245

5 + 030.63

STAGE I
C: 16.63 F: 0.00

R.O.W. R.O.W.

MAIN ST. ℄

3.3 m 4.0 m

247.01 246.625

2% 2%

ENTRANCE

249 248 247 246 245

5 + 025.00

STAGE I
C: 19.01 F: 0.00

T.E.

R.O.W. R.O.W.

MAIN ST. ℄

3.3 m 4.0 m

ENTRANCE

247.21 246.705

2% 2%

250 249 248 247 246 245

5 + 017.81

STAGE I
C: 27.64 F: 0.00

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	29	16

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

STA. TO STA.

CONTRACT NO. - 60445

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

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

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

MAIN ST. ℄

249 248 247

247.59
246.871

IL.-50

5+000.00

250 249 248 247 246

MAIN ST. ℄

R.O.W. R.O.W.

3.5 m 3.4 m

247.66
247.105

1 m 1 m

DRIVEWAY

2% 2%

4+975.00

STAGE III
C: 24.09 F: 0.00

MAIN ST. ℄

R.O.W. R.O.W.

3.3 m 3.2 m

247.58
247.203

1 m 1 m

2% 2%

4+964.49

STAGE III
C: 17.77 F: 0.00

MAIN ST. ℄

R.O.W. R.O.W.

3.0 m 2.9 m

247.47
247.279

1 m 1 m

2% 2%

4+950.00

STAGE III
C: 12.44 F: 0.00

MAIN ST. ℄

PROJECT LIMIT

ELDER LANE

247.37
247.231

PROJECT LIMIT

4+933.34

STAGE III
C: 8.41 F: 0.00

MAIN ST. ℄

R.O.W. R.O.W.

3.7 m 3.3 m

247.24
247.178

2% 2%

4+925.00

STAGE III
C: 9.34 F: 0.00

20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840	143 N	WILL	121	87

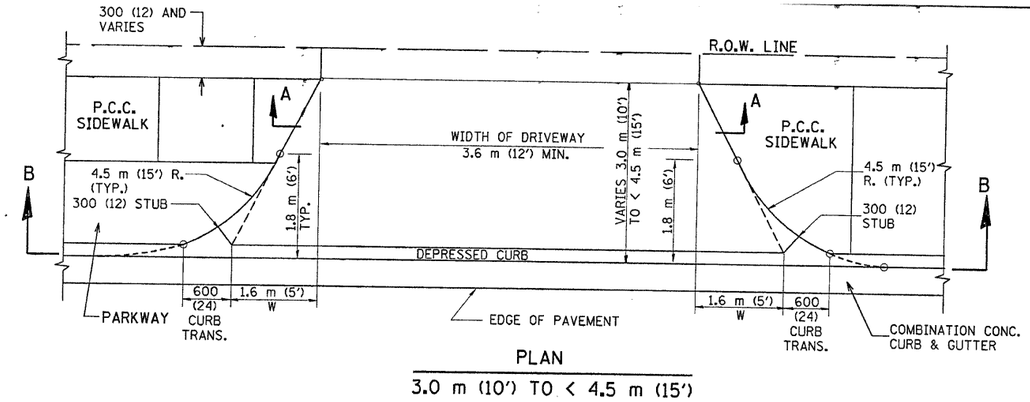
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

STA. TO STA.

CONTRACT NO. - 60445

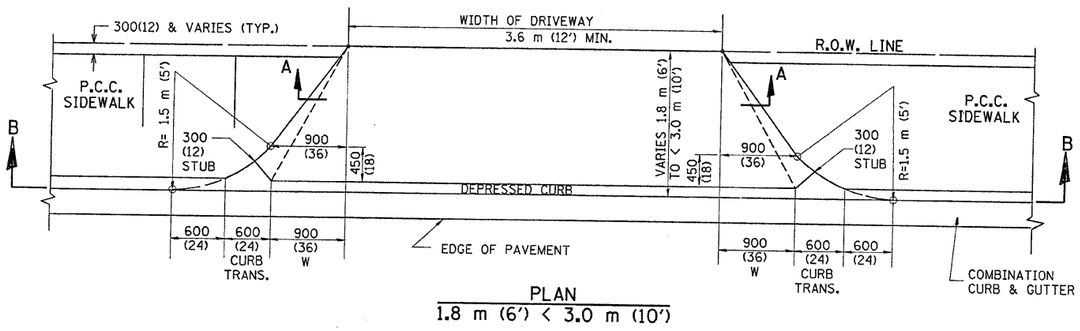
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
840	143N	WILL	121	103
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT FORMS



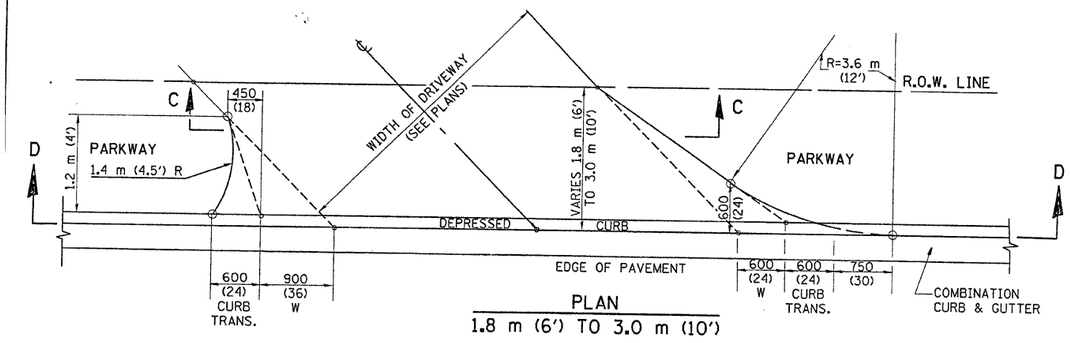
PLAN

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



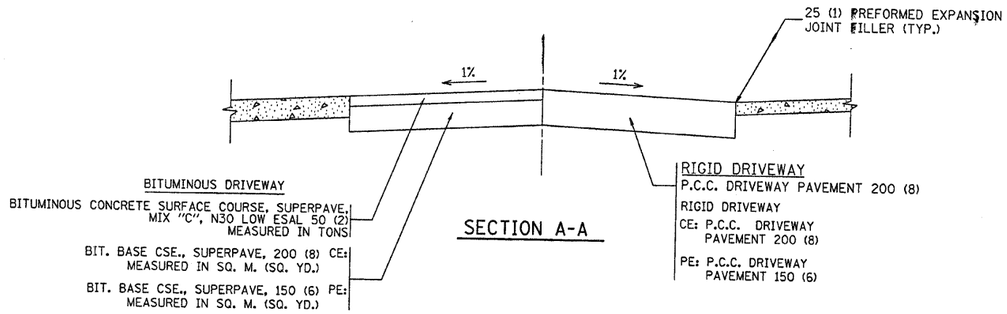
PLAN

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

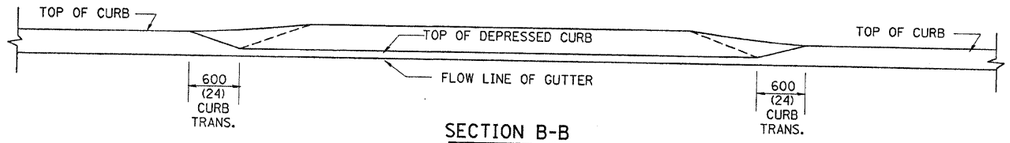


PLAN

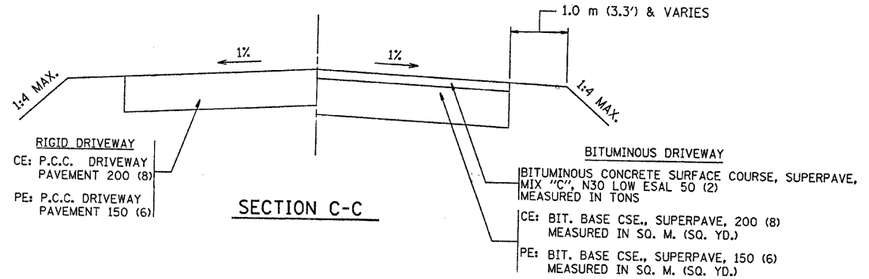
1.8 m (6') TO 3.0 m (10')



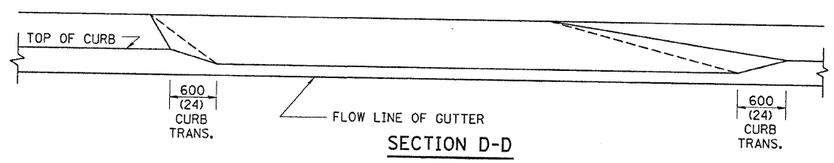
SECTION A-A



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 ILLUSTRATIONS 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 2.4 M (8'), 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.

25 (1) 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 900 (36) TO 1.5 m (5 FT.) PROPORTIONAL TO THE LENGTH (L), FROM 1.8 m (6 FT.) TO 3 m (10 FT.).

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

REVISIONS	
NAME	DATE
M. GOMEZ	04/06/01
P. LaFLEUR	06/18/02
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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

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

SCALE: NONE — DRAWN BY: SG

DATE PLOTTED 02/27/2003 — CHECKED BY: JFP

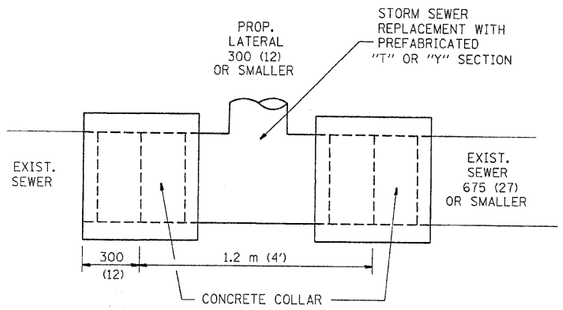
BD400-02 (BD-02)

REVISION DATE: 04/06/01

02/27/2003
w:\dlistd\bd02.dgn
Vi-BD02

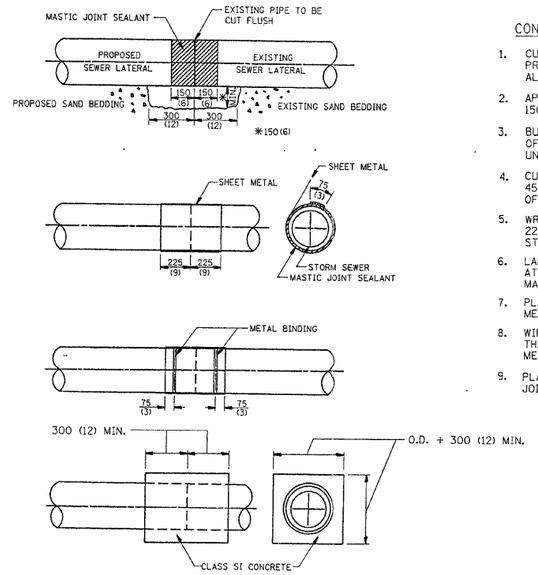
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
840	143N	WILL	121	109
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT # 66444



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 675 (27) OR SMALLER

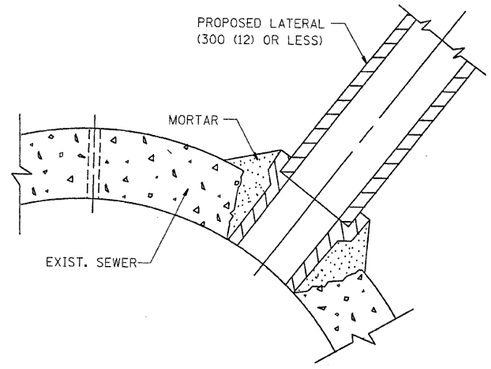


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND ARGUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 75 (3) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C". .

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE

DRAWN BY CADD

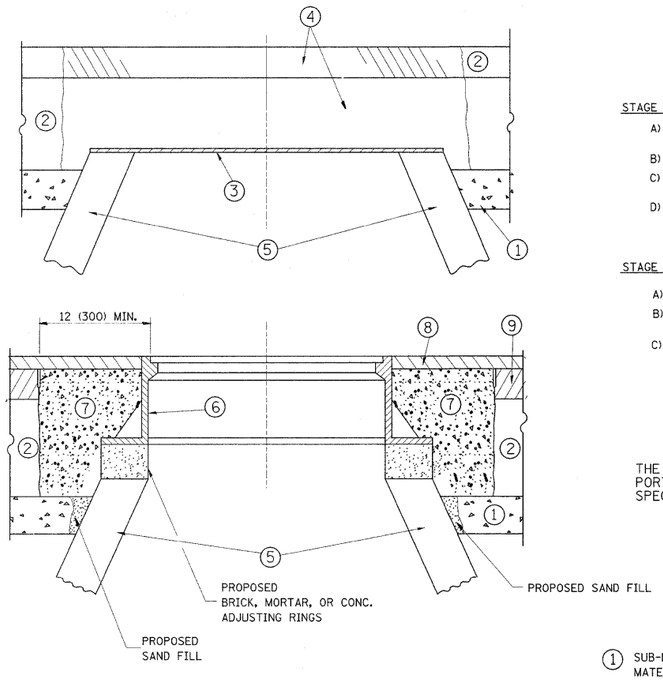
DATE02/27/2003

CHECKED BY

BD500-01 (BD-7)

REVISION DATE:06/12/96

02/27/2003
w:\d1std\bd07.dgn
VI-BDT



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStd.dgn	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/10/2011	DATE - 10-25-94	REVISED - R. BORO 01-01-07

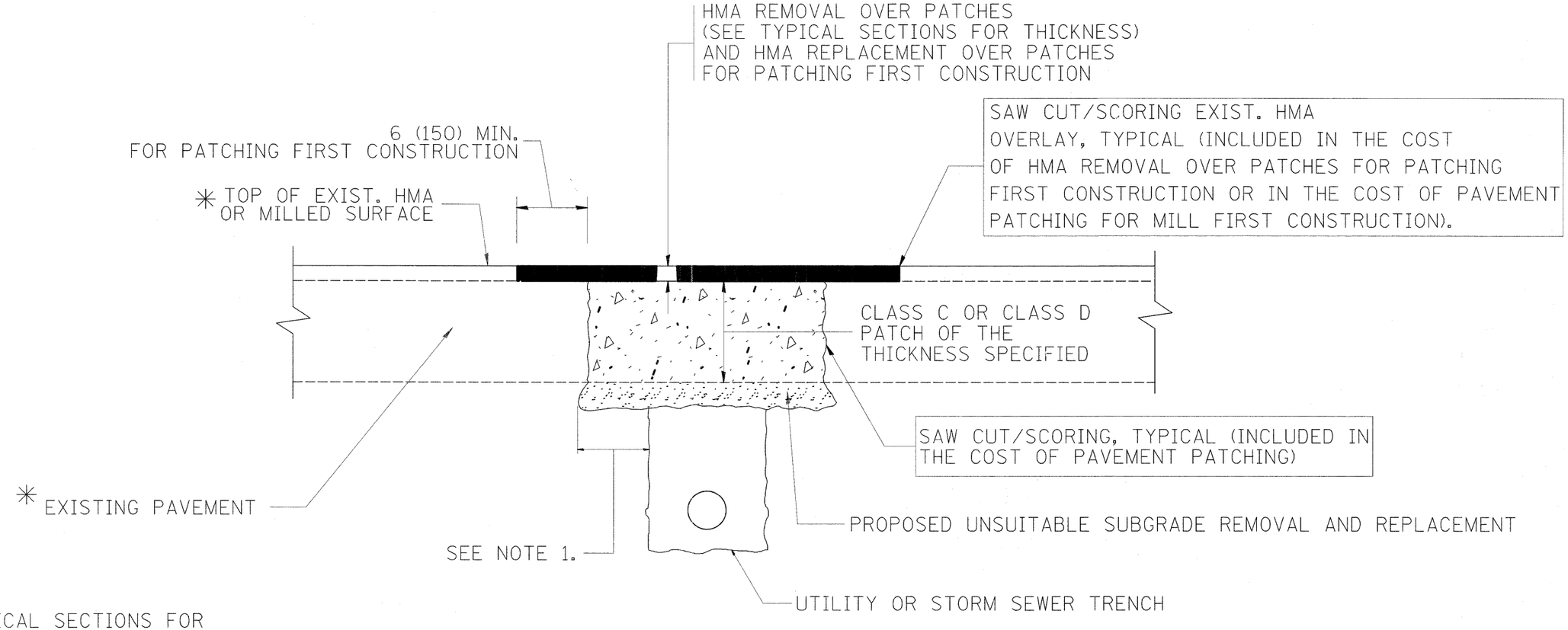
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	110
	BD600-03 (BD-8)	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

110



✳ 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 (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

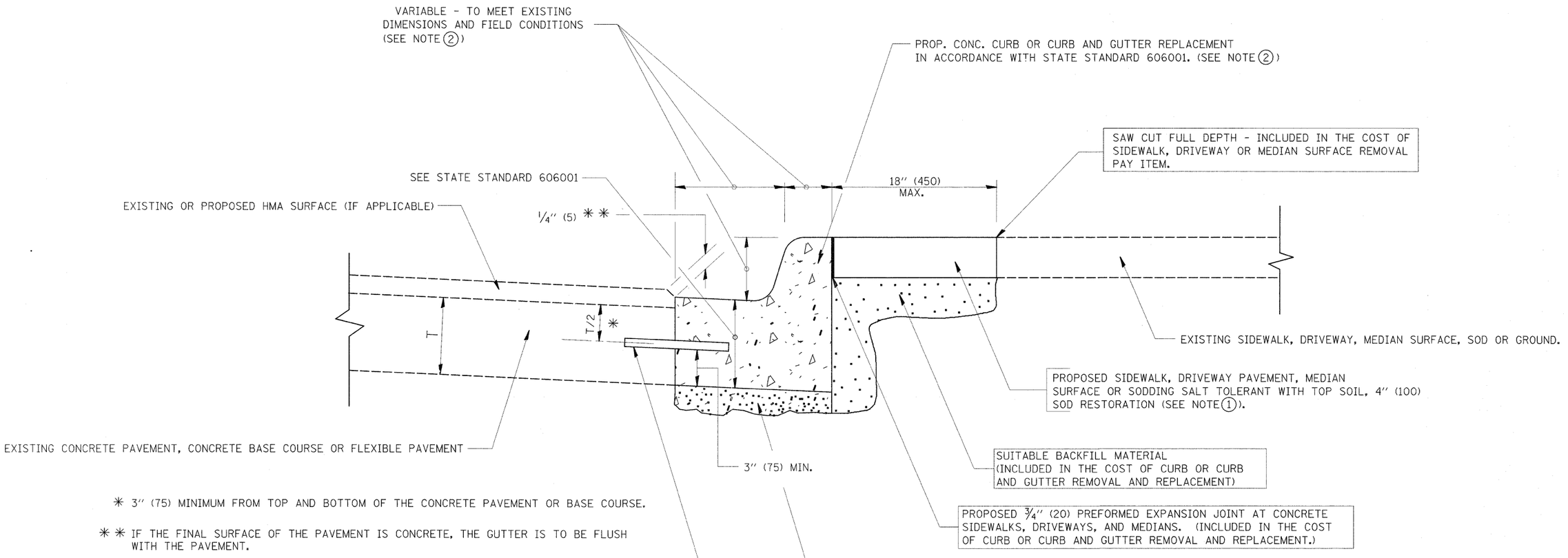
1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStd.dgn	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
		DRAWN -	REVISED - R. BORO 01-01-07		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07		
	PLOT DATE = 1/10/2011	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	12	111
	BD400-04 (BD-22)	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

111



* 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.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) 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.

(6) 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.

(7) 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.

(8) 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.

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".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

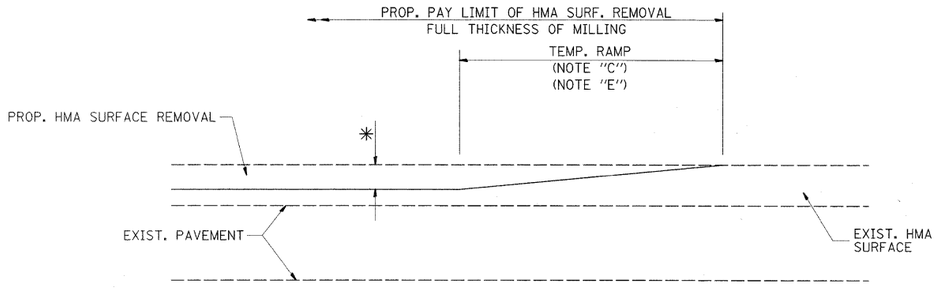
FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStddgn	USER NAME = leysa	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.2000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 1/10/2011	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

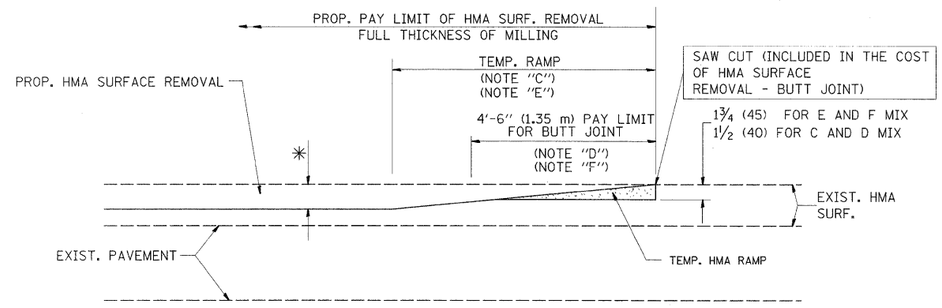
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	12	112
	BD600-06 (BD-24)	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

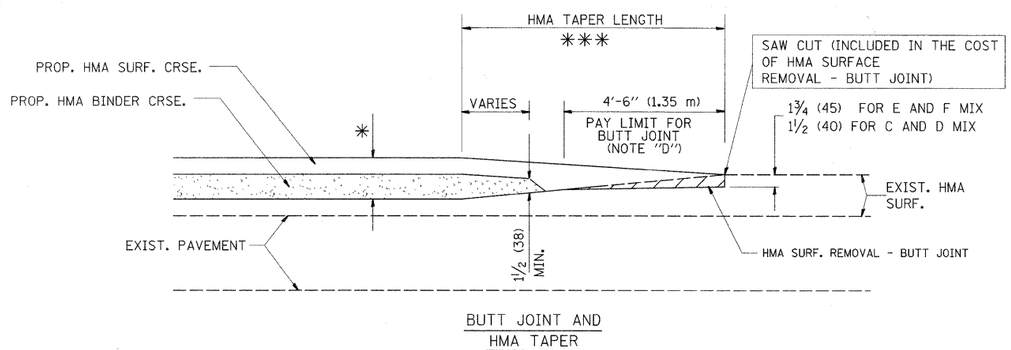


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

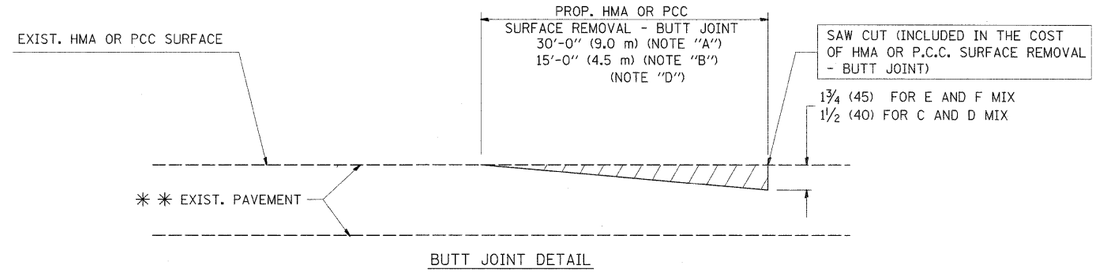
OPTION 2

TYPICAL TEMPORARY RAMP

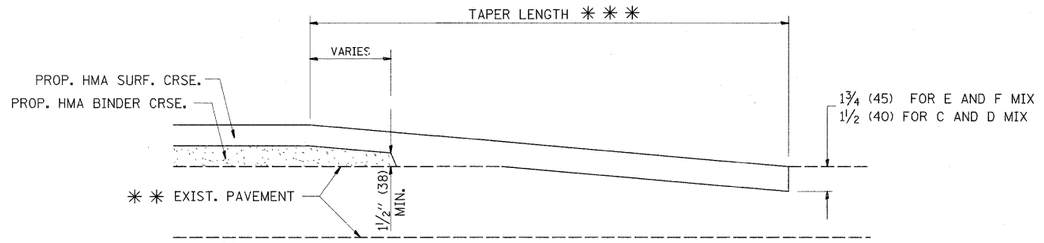


BUTT JOINT AND HMA TAPER

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")

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".

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

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStddgn	USER NAME = leysa	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/10/2011	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

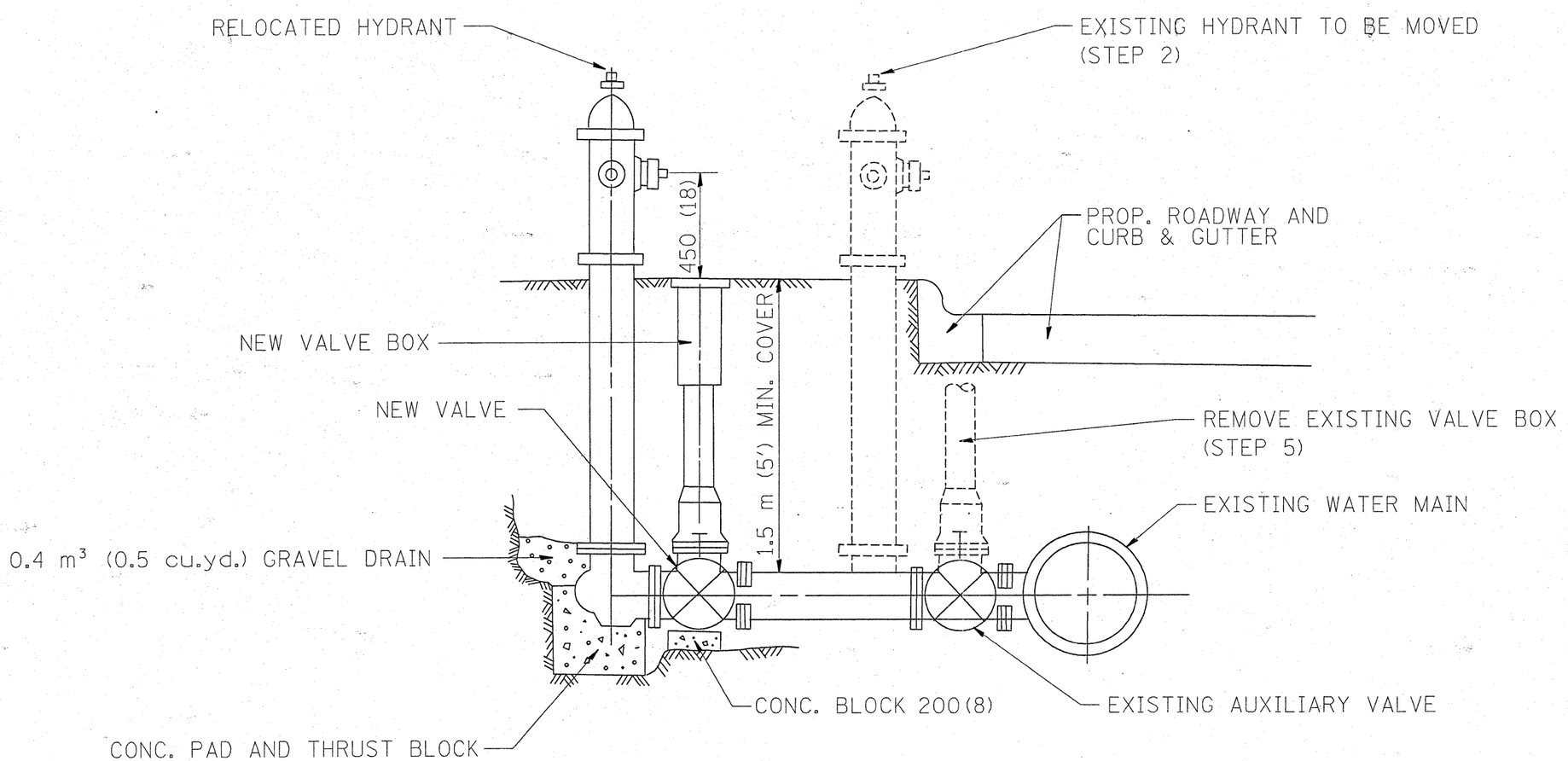
BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	113
	BD400-05 BD32	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
840	143N	WILL	121	114
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #60445



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: NONE
DATE 02/27/2003
DRAWN BY
CHECKED BY

BD500-03 (BD-36)

REVISION DATE: 10/25/94

114

02/27/2003
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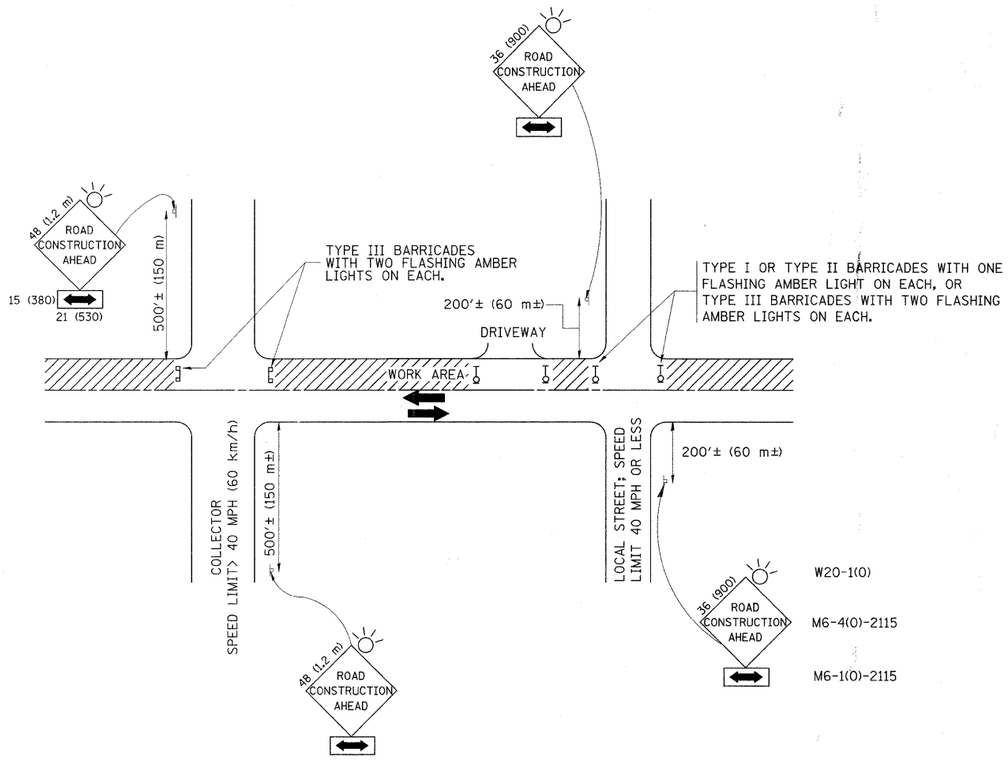
VI-BD36



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 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

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

   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 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

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

   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.

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

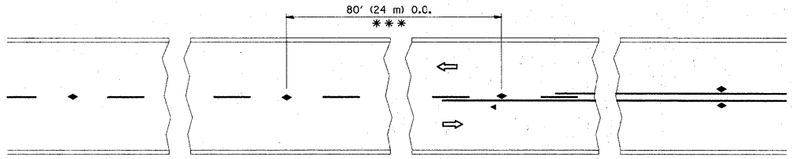
FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStd.dgn	USER NAME = leysa	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/10/2011	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

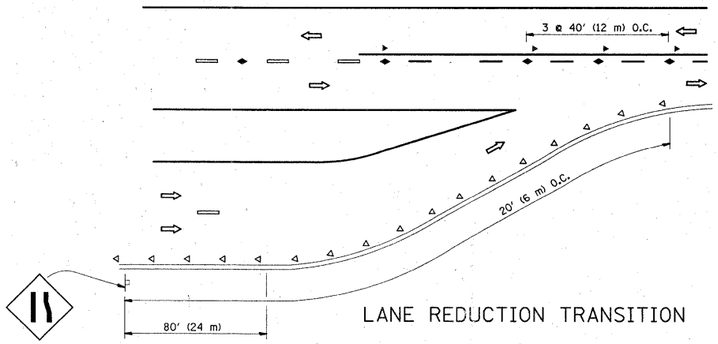
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	115
	TC-10	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

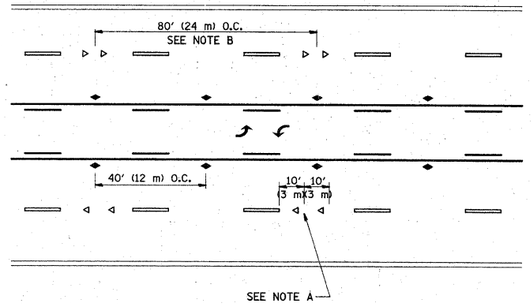


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

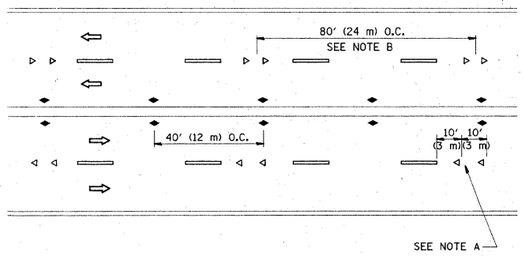
TWO-LANE/TWO-WAY



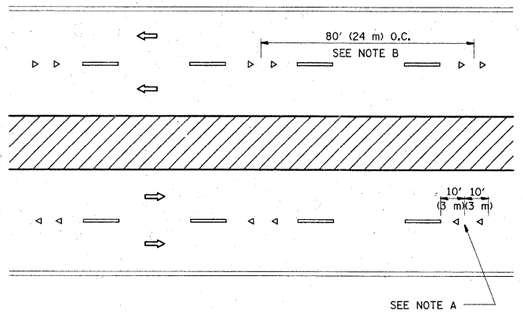
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

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 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

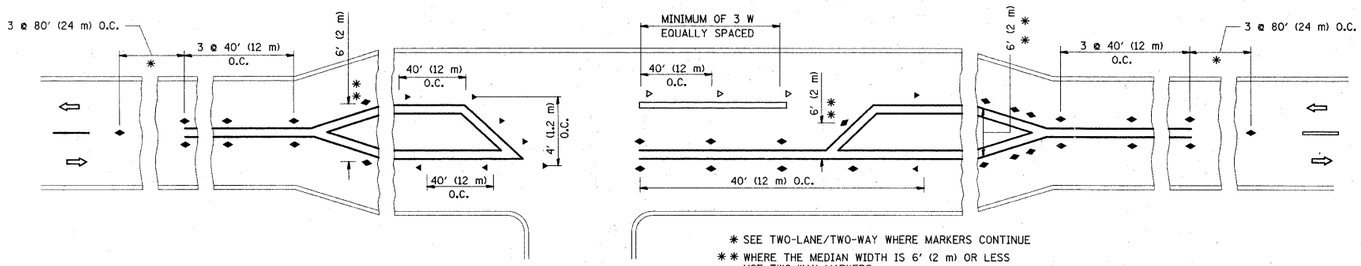
SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

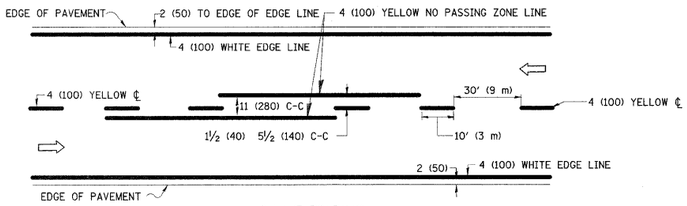
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

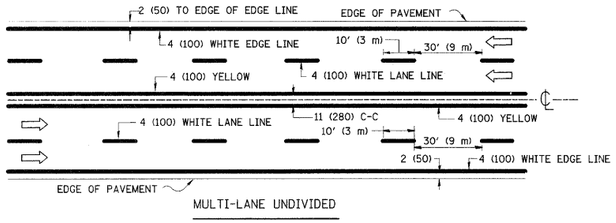
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\D.stStd.dgn	USER NAME = leysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**
		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 1/10/2011	DATE -	REVISED - C. JUCIUS 09-09-09		

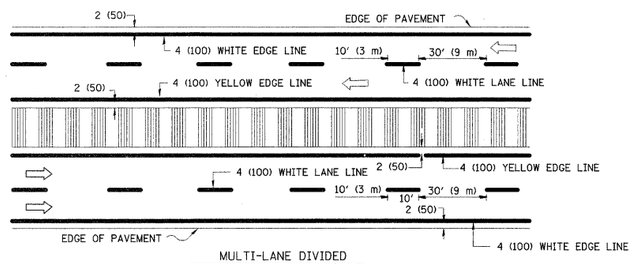
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	116
	TC-11	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



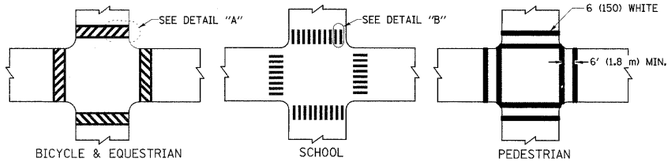
MULTI-LANE UNDIVIDED

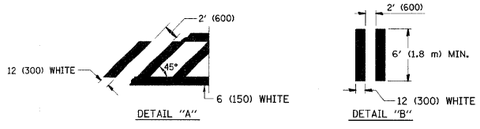


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

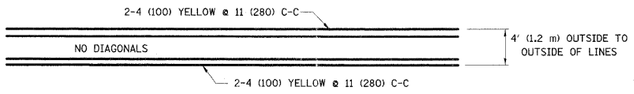
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

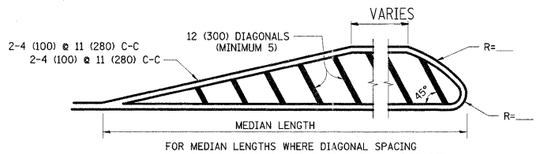




TYPICAL CROSSWALK MARKING



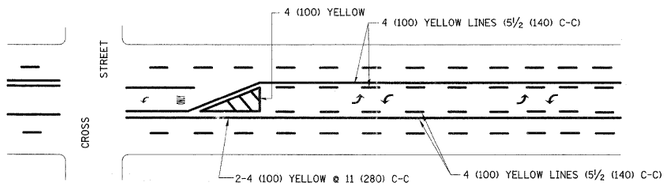
4' (1.2 m) WIDE MEDIANS ONLY



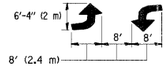
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

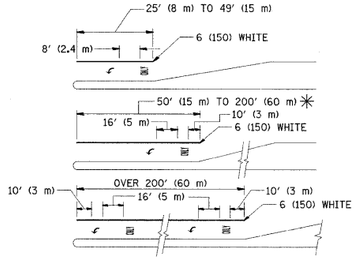


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

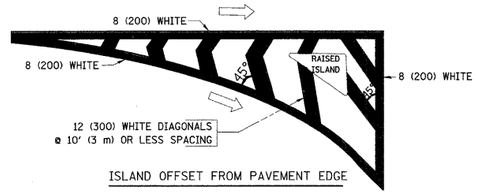


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

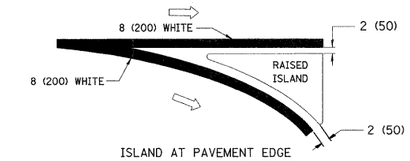
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⊘ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⊘ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⊘ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⊘ 6 (150) 12 (300) ⊘ 45° 12 (300) ⊘ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⊘ 4 (100) WITH 12 (300) DIAGONALS ⊘ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⊘ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) ⊘ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

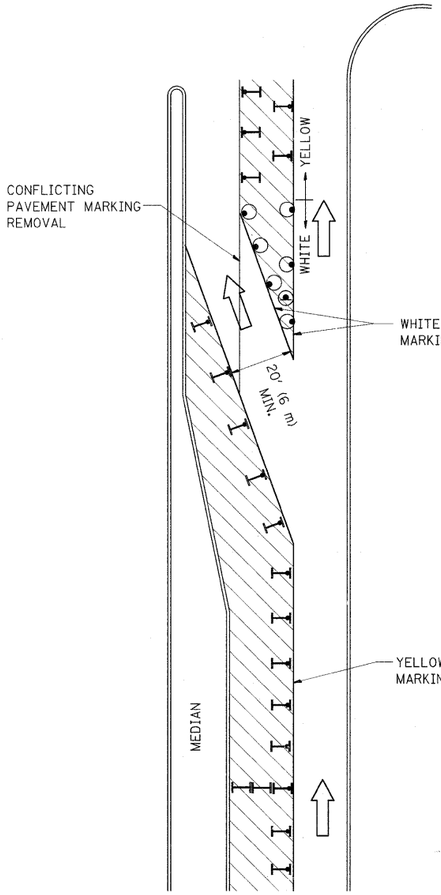
FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStddgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/10/2011	DATE - 03-19-90	REVISED -

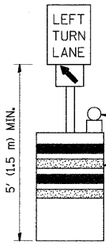
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	117
	TC-13	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





R 3-I100L 24 x 24 (600 x 600)

M6-2L 21 x 15 (530 x 380)

OPTIONAL FLASHING LIGHT

STANDARD 701901
SEE NOTE 8

GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
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 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) 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 OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\DistStddgn	USER NAME = leysa	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	PLOT SCALE = 50.0000 '/ IN.	REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT DATE = 1/10/2011	REVISED - A. HOUSEH 10-12-96	REVISED -
		REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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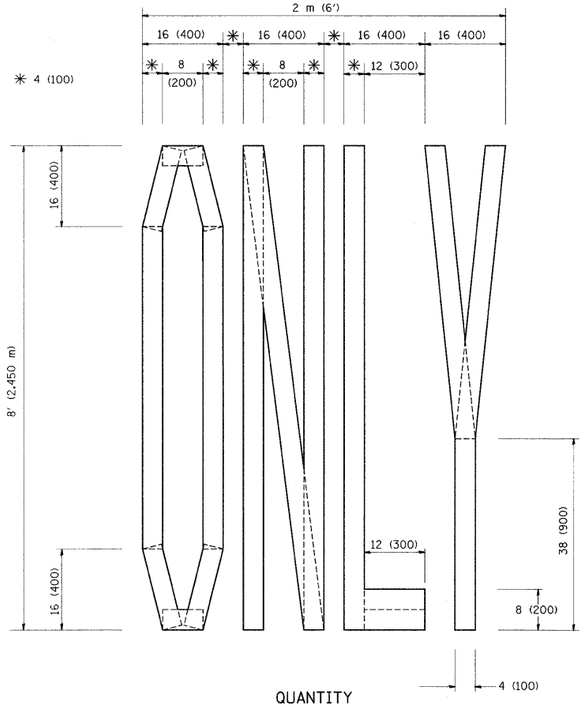
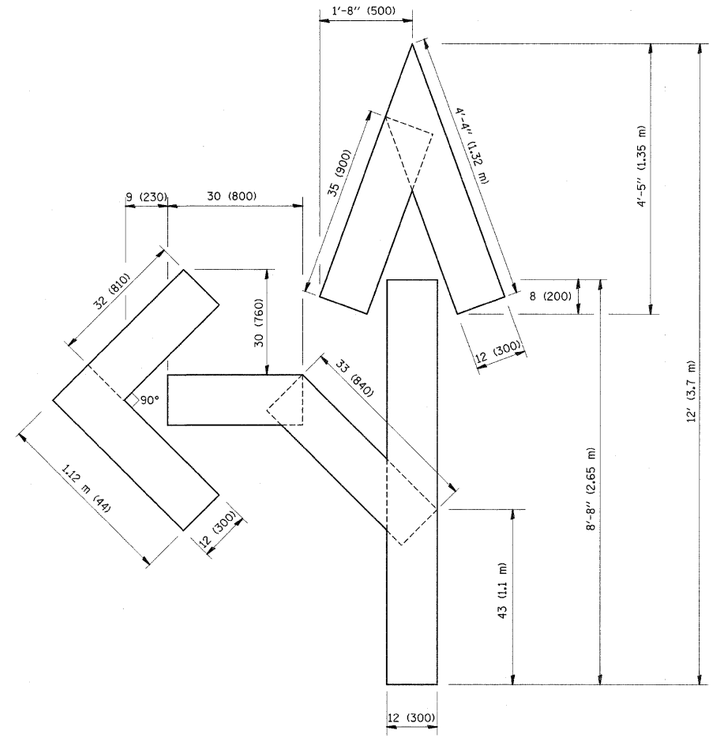
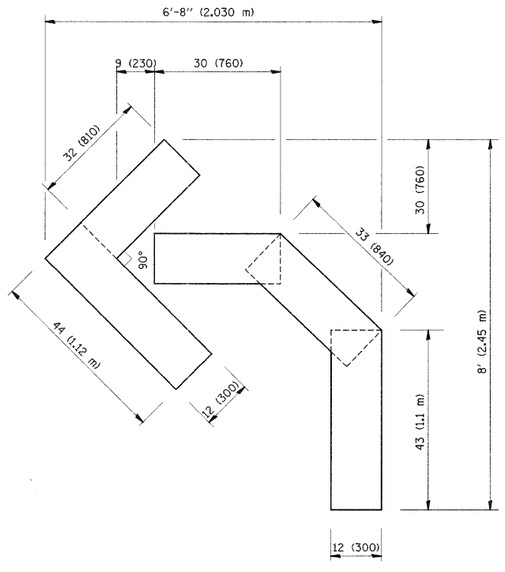
	TC-14	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



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



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

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

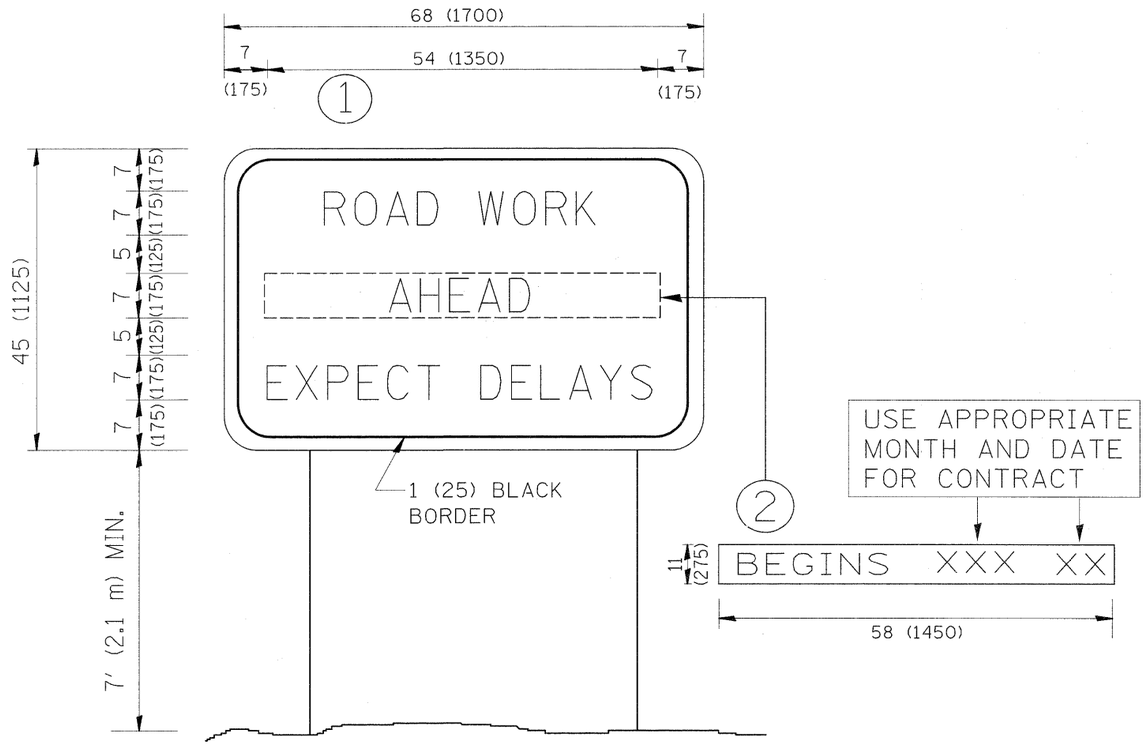
FILE NAME = c:\pw_work\pwidot\leysa\d0198226\D1stStd.dgn	USER NAME = leysa	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/10/2011	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	119
	TC-16	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	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 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\D1stStd.dgn	USER NAME = leysa	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 1/10/2011	DATE -	REVISED - C. JUCIUS 01-31-07

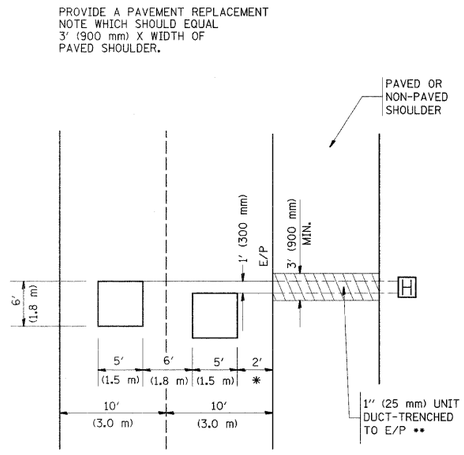
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	120
	TC-22	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

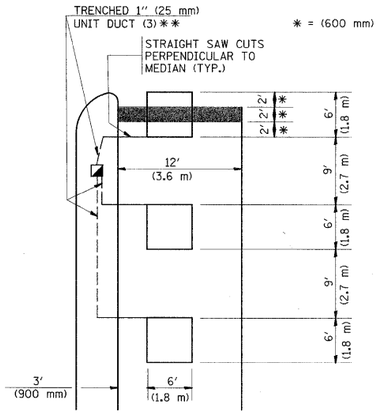


* = (600 mm)

** 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.

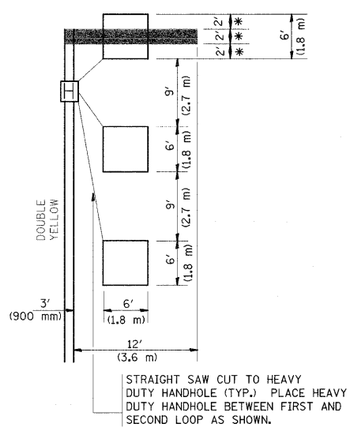


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

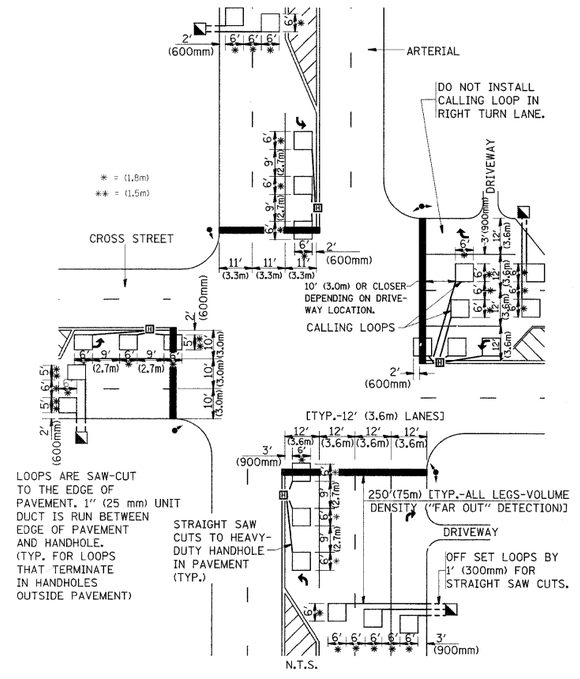
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



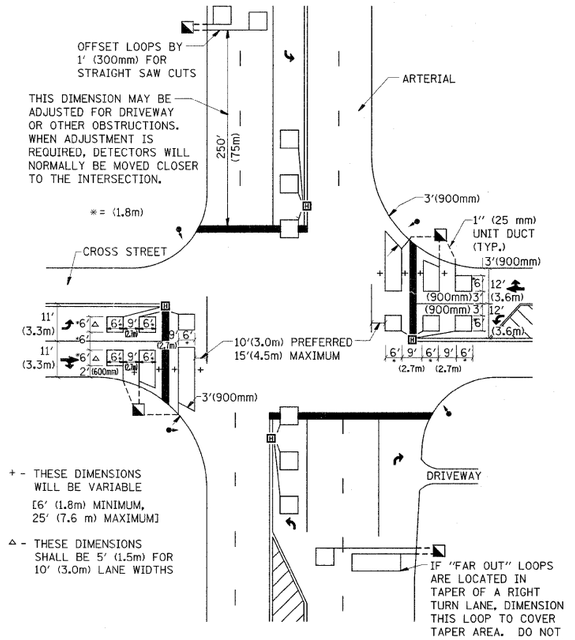
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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)



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

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 SEPARATLY. 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 DEMENSIONS 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.

FILE NAME = c:\pw_work\pwidot\leysa\d0198226\D1utStd.dgn	USER NAME = leysa	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/10/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	143 N	WILL	121	121
	TS-07	CONTRACT NO. 60445		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		