

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1338	05-00083-00-FF	COOK	167 2
GENERAL NOTES AND STATE STANDARDS			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(5)12			

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2008; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED FROM THE VILLAGE OF SCHAUMBURG AND THE COOK COUNTY HIGHWAY DEPARTMENT.
- ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

STAKING

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
- ESTIMATED LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT HAVE BEEN SHOWN ON THE PLANS. THE ENGINEER WILL DETERMINE THE EXACT LIMITS IN THE FIELD DURING CONSTRUCTION.
- ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON U.S.G.S. DATUM.
- THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.

PAVING, SHOULDERS, CURB & GUTTER AND SIDEWALK

- THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, SHOULDER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEM BEING REMOVED.

THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE THICKNESS OF THE EXISTING PAVEMENT AND WHETHER OR NOT IT CONTAINS REINFORCEMENT.
- HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- A QUANTITY OF CLASS D PATCHES HAS BEEN INCLUDED FOR THE USE IN MAKING SPOT REPAIRS TO WISE ROAD EAST OF PLUM GROVE ROAD AND THE CUL-DE-SACS ONCE THE EXISTING SURFACE HAS BEEN REMOVED. THIS WORK SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER.
- ALL CURB AND GUTTER CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH TWO #4 REBARS FOR A LENGTH OF 20 FEET CENTERED OVER THE TRENCH. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER BEING CONSTRUCTED.
- ALL SIDEWALK CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH THREE #6 REBARS FOR A LENGTH OF 20 FEET CENTERED OVER THE TRENCH. THIS WORK SHALL BE INCLUDED IN THE COST OF THE SIDEWALK BEING CONSTRUCTED.

TREE REMOVAL, CLEARING AND HEDGE REMOVAL

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- ALL CLEARING AND REMOVAL OF TREES UNDER 6" IN DIAMETER SHALL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION.
- ALL CLEARING AND THE REMOVAL AND/OR RELOCATION OF BUSHES, AS DIRECTED BY THE ENGINEER, SHALL BE INCIDENTAL TO THE COST OF "EARTH EXCAVATION".
- ALL LIMBS, BRANCHES AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

UTILITIES

- THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE VILLAGE MAY WANT TO PLACE DURING THE CONTRACTOR'S OPERATIONS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE "STANDARD SPECIFICATIONS." THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.
- COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE VILLAGE.
- THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY OPERATIONS. COMPLIANCE WITH THE ABOVE WILL BE INCIDENTAL TO THE UTILITY INSTALLATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.

ROADWAY EXCAVATION

- ALL EXCESS MATERIAL (BROKEN CONCRETE, SEWER PIPE, WASTE ROADWAY EXCAVATION AND SURPLUS MATERIAL FROM SEWER TRENCHES) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN "EARTH EXCAVATION."
- POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAVE BEEN INCLUDED IN THE CONTRACT TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO EXISTING GROUND SURFACE. THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

STORM & SANITARY SEWER

- THE COST OF MAKING SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCIDENTAL TO THE COST OF THE SEWER OR STRUCTURE BEING CONSTRUCTED.
- UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND SEWERS AS SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO COMMENCING WORK THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL DETERMINE THE EXACT LOCATIONS OF EXISTING STRUCTURES WHICH ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS.

DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWER ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.
- ALL ABANDONED PIPE AND STRUCTURE INVERTS SHALL BE PLUGGED WITH CONCRETE BRICKS AND NON-SHRINK MORTAR FOR A LENGTH OF 2' MEASURED FROM THE END OF THE PIPE. THIS WORK SHALL BE INCIDENTAL TO THE STORM OR SANITARY SEWER ITEMS BEING REMOVED.
- THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.
- TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.
- DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE ROAD. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
- ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED STORM SEWER SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE REMOVAL OF END SECTIONS SHALL BE PAID FOR PER FOOT AS "STORM SEWER REMOVAL" OF THE DIAMETER INDICATED.

MATERIALS QC/QA POLICY

- ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE QC TESTING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE: 847-705-4337 OR FAX: 847-705-4529) BY 4:00 P.M., 24-HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT.
- THE CONTRACTOR IS TO SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT BY MATERIALS OFFICE ON THE APPROVAL LETTER.
- QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT BUREAU OF MATERIALS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER.
- QC REPORT FOR BITUMINOUS MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. THE DISTRICT WILL REVIEW AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS CAN BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.
- THE COSTS TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT AND P.C. CONCRETE ITEMS.

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES AND STATE STANDARDS

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	3
GENERAL NOTES AND STATE STANDARDS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003512)				

LANDSCAPING

1. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER.
2. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
5. ALL SLOPES SHALL BE COVERED WITH SOD AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SODDING SHALL BE THE LIMITS OF GRADING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
7. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
8. SEE STANDARD 280001-03 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.

MISCELLANEOUS

1. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2. SITE OBJECTS: REMOVAL OF MISCELLANEOUS PARKWAY IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO, BLOCK RETAINING WALLS, CONCRETE RETAINING WALLS, LANDSCAPE TIMBERS, LANDSCAPE ROCKS, FENCES, FENCE POSTS, PLANTERS, VEGETATION, BRICK OR BRICK PAVER WALKWAYS WITHIN R.O.W. LIMITS SHALL BE INCIDENTAL TO THE PAY ITEM "EARTH EXCAVATION." THE CONTRACTOR SHALL CONTACT THE ADJACENT PROPERTY OWNER TO DETERMINE IF SUCH ITEMS SHALL BE RETURNED TO THE PROPERTY OWNER OR BE DISPOSED OF PROPERLY.
3. THE CONTRACTOR SHALL ADHERE TO IDOT STANDARD DRAWING NO. 701801-03 WHEN CLOSING ANY SIDEWALK TO PERMIT CONSTRUCTION OF THE IMPROVEMENTS.
4. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
6. ALL DRIVEWAY APRONS SHALL BE REPLACED WITH MATERIAL OF THE SAME KIND AS THE EXISTING APRON.

MWRDGC GENERAL NOTES

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. ELEVATION DATUM IS USGS.
3. NO FLOOR DRAINS.
4. NO FOOTING DRAINS AND DOWNSPOUTS.
5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS SHALL CONFORM TO:

<u>PIPE MATERIAL SPEC.</u>	<u>JOINT SPEC.</u>
PVC GRAVITY SEWER PIPE 6"-15" DIA. SDR 26 D-3034	D-3212 OR D-2855
PVC COMPOSITE/TRUSS PIPE 8"-15" DIA. PVC D-2680	D-2680
6. ALL SANITARY SEWER CONSTRUCTION REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
7. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 1. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
 2. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 3. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
9. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING THE 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN NOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS.
10. ALL SANITARY MANHOLES SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

IDOT STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
602001	CATCH BASIN TYPE A
602011	CATCH BASIN TYPE C
602301-01	INLET, TYPE A
602306-01	INLET, TYPE B
602401-01	MANHOLE TYPE A
602406-02	MANHOLE TYPE A 6' DIAMETER
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	CAST IRON STEPS
604001-02	FRAME AND LIDS TYPE 1
604036-01	GRATE, TYPE B
604051-02	FRAME AND GRATE TYPE 11
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
606306-02	CORRUGATED PC CONCRETE MEDIANS
701421-01	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS >= 45 MPH TO 55 MPH
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE, FOR SPEEDS < 45 MPH
701901	TRAFFIC CONTROL DEVICES
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	CONCRETE HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
877001-03	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-06	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUTS FOR DETECTION LOOPS

ILLINOIS DEPARTMENT OF TRANSPORTATION

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1338	05-00083-00-FF	COOK	167	4
SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT M-8003(512)	

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A 07C (1) 07C (2)			Y030-1E L23 07C		Y031-1F L23	Y003 07C
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	136	136						
X 20101000	TEMPORARY FENCE	FOOT	6960	5240		1720				
* 20101100	TREE TRUNK PROTECTION	EACH	173	130		43				
* 20101200	TREE ROOT PRUNING	EACH	173	130		43				
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	86	86						
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	44	44						
X 20200100	EARTH EXCAVATION	CU YD	11580	11580						
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5373	5373						
X 20400800	FURNISHED EXCAVATION	CU YD	1227	1227						
X 20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	5373	5373						
	TRENCH BACKFILL	CU YD	1560	1560						
	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	16120	16120						
X • 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	20675	18494		2181				
X • 21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	1305						1305	
X 21300010	EXPLORATION TRENCH, SPECIAL	FOOT	725	600		125				
• 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	244	217		27				
• 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	244	217		27				
• 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	244	217		27				
	MOWING	ACRE	4	4						
X • 25200110	SODDING, SALT TOLERANT	SQ YD	19613	17432		2181				
X * 25200200	SUPPLEMENTAL WATERING	UNIT	299	265		34				
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	383	383						
X 28000500	INLET AND PIPE PROTECTION	EACH	29	29						
	INLET FILTERS	EACH	154	146		8				
	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	4714	3977		737				
	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	24853	24428		425				
	AGGREGATE (PRIME COAT)	TON	72	68		4				
	LEVELING BINDER (MACHINE METHOD), N50	TON	476			476				
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	195	123		72				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1011	655		356				
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	583	583						
	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SQ YD	31374	31374						
	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	591	591						

* INDICATES SPECIALTY ITEMS
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SUMMARY OF QUANTITIES

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CHECKED BY JRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	5
SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(512)		

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
	42001200 PAVEMENT FABRIC	SQ YD	1058	1058						
	42001300 PROTECTIVE COAT	SQ YD	11835	9518		2186				131
X	42300700 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH, SPECIAL	SQ YD	1726	640		1086				
X	42300800 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	159	159						
X	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12614	12614						
X	42400430 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	22096	17088		5008				
	42400800 DETECTABLE WARNINGS	SQ FT	867	867						
	44000100 PAVEMENT REMOVAL	SQ YD	31145	31145						
	44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	5206	5206						
X	44000198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4223			4223				
	44000200 DRIVEWAY PAVEMENT REMOVAL	SQ YD	2338	1335		1003				
	44000300 CURB REMOVAL	FOOT	12	12						
	44000500 COMBINATION CURB AND GUTTER REMOVAL	FOOT	14883	12325		2558				
	44000600 SIDEWALK REMOVAL	SQ FT	69425	64417		5008				
X	44003100 MEDIAN REMOVAL	SQ FT	8748	8748						
	44200966 CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	3	3						
	44201713 CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	111	111						
	44201717 CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	927	502		425				
	44201721 CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	1206	781		425				
	44201723 CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	390	390						
	44300100 AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	9429	5206		4223				
	48203045 HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	176	176						
	550A0050 STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1905	1905						
	550A0070 STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	569	569						
	550A0090 STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	64	64						
	550A0110 STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	82	82						
	550A0130 STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	169	169						
	550A0140 STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	258	258						
	550A0180 STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	32	32						
	550A0340 STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	842	842						
	550A0360 STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	642	642						
	550A0400 STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	125	125						
	550A0410 STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	8	8						

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	6

SUMMARY OF QUANTITIES
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-IE		Y031-IF	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	247	247						
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	116	116						
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	8	8						
550B0010	STORM SEWERS, CLASS B, TYPE 1 4"	FOOT	8	8						
X 55100100	STORM SEWER REMOVAL 4"	FOOT	8	8						
X 55100200	STORM SEWER REMOVAL 6"	FOOT	144	144						
X 55100300	STORM SEWER REMOVAL 8"	FOOT	18	18						
X 55100400	STORM SEWER REMOVAL 10"	FOOT	4	4						
X 55100500	STORM SEWER REMOVAL 12"	FOOT	1356	1356						
X 55100700	STORM SEWER REMOVAL 15"	FOOT	430	430						
X 55100900	STORM SEWER REMOVAL 18"	FOOT	79	79						
X 55101100	STORM SEWER REMOVAL 21"	FOOT	87	87						
X 55101200	STORM SEWER REMOVAL 24"	FOOT	444	444						
X 55101300	STORM SEWER REMOVAL 27"	FOOT	8	8						
X 55101400	STORM SEWER REMOVAL 30"	FOOT	55	55						
X 55101600	STORM SEWER REMOVAL 36"	FOOT	26	26						
X 55101800	STORM SEWER REMOVAL 42"	FOOT	37	37						
X * 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	174		174					
X * 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	50		50					
X • 56105000	WATER VALVES 8"	EACH	2		2					
X • 56106300	ADJUSTING WATER MAIN 6"	FOOT	40	40						
X • 56106400	ADJUSTING WATER MAIN 8"	FOOT	40	40						
X • 56106810	ADJUSTING WATER MAIN 20"	FOOT	200	200						
X • 56200500	WATER SERVICE LINE 1 1/2"	FOOT	108							108
• 56300300	ADJUSTING WATER SERVICE LINES	FOOT	150	150						
X • 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	13	13						
X • 56400600	FIRE HYDRANTS	EACH	19		19					
X • 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2		2					
X • 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	65	21		44				
X • 56500800	DOMESTIC WATER SERVICE BOXES	EACH	8							8
60107600	PIPE UNDERDRAINS 4"	FOOT	1000	1000						
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4						
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4						

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	7

SUMMARY OF QUANTITIES
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
	60201105 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3	3						
X	60202710 CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	34		34					
	60205620 CATCH BASINS, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	7		7					
	60207605 CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1						
X	60209510 CATCH BASINS, TYPE C, WITH SPECIAL FRAME AND GRATE	EACH	1		1					
	60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8						
X	60220230 MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	2		2					
	60221000 MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2						
	60221100 MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8						
	60223800 MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
	60234200 INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1						
	60236200 INLETS, TYPE A, TYPE 8 GRATE	EACH	9	9						
X	60238700 INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	30		30					
	60240301 INLETS, TYPE B, TYPE 8 GRATE	EACH	3	3						
	60240310 INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	1	1						
X	60240385 INLETS, TYPE B, WITH SPECIAL FRAME AND GRATE	EACH	2		2					
X	60249400 VALVE BOXES 6"	EACH	16							16
	60250200 CATCH BASINS TO BE ADJUSTED	EACH	8			8				
	60255500 MANHOLES TO BE ADJUSTED	EACH	6	4		2				
	60255800 MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1						
	60257900 MANHOLES TO BE RECONSTRUCTED	EACH	3	3						
	60258800 MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 8 GRATE	EACH	1	1						
X *	60260050 SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	7	7						
	60260100 INLETS TO BE ADJUSTED	EACH	1	1						
	60261000 INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1						
	60265700 VALVE VAULTS TO BE ADJUSTED	EACH	10	9		1				
	60266100 VALVE VAULTS TO BE RECONSTRUCTED	EACH	8	8						
	60500040 REMOVING MANHOLES	EACH	20	20						
	60500050 REMOVING CATCH BASINS	EACH	18	18						
	60500060 REMOVING INLETS	EACH	31	31						
	60500205 FILLING CATCH BASINS	EACH	2	2						
	60600605 CONCRETE CURB, TYPE B	FOOT	143	143						
	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	691	691						

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F.A.J.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	8
SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	M-8003(512)	

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6816	6816						
X	60605400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	3725	3725						
	60605900 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	45	45						
	60608300 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	392	392						
X	60618400 CONCRETE MEDIAN, TYPE C-4	SQ FT	4201	4201						
	60622800 CONCRETE MEDIAN, TYPE SM-6.12	SQ FT	592	592						
	60624600 CORRUGATED MEDIAN	SQ FT	2672	2672						
	63200310 GUARDRAIL REMOVAL	FOOT	578	578						
	67000400 ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9						
	67100100 MOBILIZATION	L. SUM	1	1						
X	70101700 TRAFFIC CONTROL AND PROTECTION	L. SUM	1	1						
X	70101900 TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L. SUM	1	1						
X	70102000 TRAFFIC CONTROL AND PROTECTION (DETOUR 2)	L. SUM	1	1						
	70106800 CHANGEABLE MESSAGE SIGN	CAL MO	6	6						
	70300100 SHORT-TERM PAVEMENT MARKING	FOOT	411	411						
	70300510 PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	73	73						
	70300520 PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1038	1038						
	70300610 TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	582	582						
	70300625 TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	29709	29709						
	70300635 TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	2848	2848						
	70300645 TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	687	687						
	70300660 TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	781	781						
	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	830	830						
*	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	364	364						
*	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17490	17490						
*	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2285	2285						
*	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	559	559						
*	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	355	355						
*	78001100 PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	153	153						
*	78001110 PAINT PAVEMENT MARKING - LINE 4"	FOOT	1983	1983						
*	78001130 PAINT PAVEMENT MARKING - LINE 6"	FOOT	930	930						
*	78001150 PAINT PAVEMENT MARKING - LINE 12"	FOOT	395	395						
*	78001180 PAINT PAVEMENT MARKING - LINE 24"	FOOT	107	107						

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	9

SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(512)		

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	439	439						
78300100	PAVEMENT MARKING REMOVAL	SQ FT	750	750						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	50	50						
X • 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1			
X • 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L. SUM	1				1			
• 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	926				171		755	
• 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	92						92	
• 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	1573				1544		29	
• 81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	52						52	
• 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	464				286		178	
• 81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	106						106	
• 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	448				377		71	
• 81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	225						225	
X • 81400100	HANDHOLE	EACH	6						6	
X • 81400200	HEAVY-DUTY HANDHOLE	EACH	4						4	
X • 81400300	DOUBLE HANDHOLE	EACH	1						1	
• 81603025	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2550				2550			
• 81603085	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	20250				20250			
• 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	150				150			
X • 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	12273				11350		923	
• 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	43				43			
• 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4				4			
X • 82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1				1			
• 83020500	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 30 FT. M.H., 12 FT. MAST ARM	EACH	39				39			
• 83022500	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 40 FT. M.H., 12 FT. MAST ARM	EACH	8				8			
X • 83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	120				120			
X • 83600310	LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FOOT	12				12			
X • 83600400	POLE FOUNDATION, METAL	EACH	72				72			
• 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	24				24			
• 84200700	LIGHTING FOUNDATION REMOVAL	EACH	25				25			
• 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1				1			
• 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	14				14			
X • 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1						1	

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	10

SUMMARY OF QUANTITIES
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
							70% FEDERAL 30% LOCAL	100% LOCAL		
X • 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1						1	
X • 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	759						759	
X • 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1139						1139	
X • 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1184						1184	
X • 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2337						2337	
X • 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3427						3427	
X • 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	59						59	
X • 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4						4	
X • 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1						1	
X • 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	3						3	
X • 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16						16	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4						4	
X • 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60						60	
• 87900200	DRILL EXISTING HANDHOLE	EACH	1						1	
X • 88030020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3						3	
X • 88030110	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5						5	
X * 88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1						1	
X • 88030240	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3						3	
X • 88102710	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	4						4	
• 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8						8	
• 88500100	INDUCTIVE LOOP DETECTOR	EACH	10						10	
X • 88600100	DETECTOR LOOP, TYPE 1	FOOT	1038						1038	
X • 88700200	LIGHT DETECTOR	EACH	2						2	
X • 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						1	
X • 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4						4	
X • 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1						1	
• 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	21586				21586			
X • 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1						1	
X • 89502380	REMOVE EXISTING HANDHOLE	EACH	10						10	
X • 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9						9	
X	Z0001050 AGGREGATE SUBGRADE 12"	SQ YD	1204	1204						
	Z0013798 CONSTRUCTION LAYOUT	L SUM	1	1						
X	Z0015200 CURB STOPS 1 1/2"	EACH	11							11
X	Z0022800 FENCE REMOVAL	FOOT	116	116						

* INDICATES SPECIALTY ITEMS
X INDICATES SPECIAL PROVISION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE 9/28/07
DRAWN BY DJK
CHECKED BY JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	11
SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	M-8003(512)	

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
X *	Z0056900 SANITARY SEWER 8"	FOOT	18		18					
X *	Z0057000 SANITARY SEWER 10"	FOOT	50		50					
X Δ	Z0076600 TRAINEES	HOURS	2000	2000						
X *	A2002924 TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	4							4
X *	A2004820 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4							4
X *	C2007224 SHRUB, ROSA KNOCKOUT (KNOCKOUT ROSE), 24" HEIGHT, CONTAINER	EACH	67							67
X *	C2007924 SHRUB, ROSA MEIPITAC (CAREFREE WONDER ROSE), 24" HEIGHT, CONTAINER	EACH	69							69
X *	C2011936 SHRUB, VIBURNUM DENTATUM RALPH SENIOR (AUTUMN JAZZ ARROWWOOD VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED	EACH	4							4
X *	D2C00624 EVERGREEN, JUNIPERUS CHINENSIS SEA GREEN (SEA GREEN JUNIPER), 2' WIDTH, CONTAINER	EACH	12							12
X *	E2015065 VINE-HYDRANGEA ANOMALA SUBSP. PETIOLARIS (CLIMBING HYDRANGEA), 5-GALLON POT	EACH	18							18
X *	K1005481 SHREDDED BARK MULCH 3"	SQ YD	1305							1305
X	XX000613 MODULAR BLOCK RETAINING WALL	SQ FT	540							540
X *	XX000810 CONCRETE PAVERS	SQ FT	9683							9683
X	XX000882 WOOD FENCE	FOOT	106	106						
X *	XX000959 TRASH RECEPTACLES	EACH	8							8
X *	XX001249 ORNAMENTAL FENCE	FOOT	109							109
X	XX002029 SANITARY SEWER REMOVAL, 8"	FOOT	18		18					
X *	XX002136 PRESSURE CONNECTION	EACH	19		19					
X *	XX003848 GYPSUM PLACEMENT	POUND	3524							3524
X	XX004801 BITUMINOUS BIKE PATH REMOVAL	SQ YD	44	44						
X *	XX007217 PAVER BLOCKS, SPECIAL	SQ FT	90							90
X *	XX004911 SIGN PANEL - TYPE AZ REFLECTORIZED SHEETING	SQ FT	30					30		
X *	XX005166 SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT CONTAINER	EACH	1							1
X *	XX005167 SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 24" WIDTH, CONTAINER	EACH	88							88
X *	XX005283 BRICK PAVER CROSSWALK	SQ FT	1255							1255
X	XX005656 INLET FILTER CLEANING	EACH	308	292		16				
X *	XX005962 BENCH	EACH	4							4
X *	XX005995 SHRUB, CLETHRA ALNIFOLIA (SUMMER SWEET), 5 GALLON	EACH	12							12
X *	XX006159 MEDIAN SOIL FURNISH AND PLACE	CU YD	598	598						
X	XX006642 STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 2, 15"	FOOT	20	20						
X *	XX011700 WATER MAIN FITTINGS	POUND	2000		2000					
X *	X0301407 PERENNIAL PLANTS, GALLON POT	UNIT	2540							2540
X	X0301766 DRILL AND GROUT #6 TIE BARS	EACH	825	825						

* INDICATES SPECIALTY ITEMS
 X INDICATES SPECIAL PROVISION
 Δ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 DRAWN BY DJK
 CHECKED BY JRV
 DATE 9/28/07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	12
SUMMARY OF QUANTITIES				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-80034512		

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
X *	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	18	12		6			
X •	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	133	133					
X •	X0322859	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	27						27
X	X0323381	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 12"	FOOT	575	575					
X	X0323382	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 15"	FOOT	103	103					
X	X0323383	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 18"	FOOT	133	133					
X	X0323430	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 24"	FOOT	51	51					
X *	X0323449	REMOVE EXISTING WATER VALVE	EACH	2		2				
X	X0323863	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 2, 12"	FOOT	20	20					
X	X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	1072	1072					
X	X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	550	550					
X •	X0325105	IRRIGATION SYSTEM	SQ YD	1305						1305
X *	X0487700	SANITARY SEWER REMOVAL 10"	FOOT	50		50				
X	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	21	21					
X	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2					
X	X4023000	TEMPORARY ACCESS (ROAD)	EACH	16	16					
X •	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1					1	
X •	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1					1	
X •	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	697					697	
X •	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	356					356	
X	XX007172	HMA DRIVEWAY PAVEMENT 4 1/4" (HOT-MIX ASPHALT)	SQ YD	113	113					
X	XX007173	HMA DRIVEWAY PAVEMENT 7" (HOT-MIX ASPHALT)	SQ YD	207	207					
X	XX007174	CONCRETE HEADER BAND, 6"	FOOT	1536						1536
X	XX007175	CONCRETE HEADER BAND, 12"	FOOT	400						400
X	XX007176	AGGREGATE SUBGRADE 10"	SQ YD	36227	36227					
X	XX007177	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1		1				
X	XX007178	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	5		5				
X	XX007179	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1		1				
X	60262510	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)	EACH	1	1					
X *	XX007218	SANITARY MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	2	2					
X *	XX007180	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID, (SPECIAL)	EACH	1	1					
X •	XX007181	VERTICAL IDENTIFIER	EACH	15						15
X •	XX007182	WELDED ALUMINUM TRELLIS	EACH	4						4

* INDICATES SPECIALTY ITEMS
 X INDICATES SPECIAL PROVISION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE 9/28/07
 DRAWN BY DJK
 CHECKED BY JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	13

SUMMARY OF QUANTITIES
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)

CODED PAY ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	1000-2A			Y030-1E		Y031-1F	Y003
				WISE RD / PLUM GROVE (PARTICIPATING)	WISE ROAD (NON-PARTICIPATING)	CUL-DE-SACS (NON-PARTICIPATING)	LIGHTING		TRAFFIC SIGNALS	LANDSCAPING
				70% FEDERAL 30% LOCAL	100% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL	70% FEDERAL 30% LOCAL	100% LOCAL
X • XX007169	NON-PRESSURE CONNECTION	EACH	2		2					
X • XX007183	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12	FOOT	3142	584		2558				
X • XX003532	WATER SERVICE CONNECTION, 1 1/2"	EACH	11						11	
X • XX007184	RPZ BACKFLOW PREVENTER, 1 1/2", TYPE 1	EACH	2						2	
X • XX007185	RPZ BACKFLOW PREVENTER, 1 1/2", TYPE 2	EACH	9						9	
X • XX007186	QUICK COUPLE	EACH	18						18	
X • XX007187	VALVE BOX (LARGE)	EACH	2						2	
X • XX007188	REMOVE EXISTING IRRIGATION SYSTEM	EACH	1						1	
X • XX007189	TREE, PYRUS CALLERYANA ARISTOCRAT (ARISTOCRAT CALLERY PEAR), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3						3	
X • XX007190	TREE, PYRUS CALLERYANA AUTUMN BLAZE (AUTUMN BLAZE CALLERY PEAR), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6						6	
X • XX007191	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	2						2	
X • XX007192	EVERGREEN, THUJA OCCIDENTALIS 'DARK GREEN' (DARK GREEN ARBORVITAE), 8' HEIGHT, CONTAINER	EACH	3						3	
X • XX007193	PERENNIAL, HOSTA 'SUM 'N SUBSTANCE' (SUM 'N SUBSTANCE HOSTA), 2 GALLON	EACH	10						10	
X • XX007194	DECORATIVE LIGHTING UNIT, 100 WATT HPS, 12' M.H.	EACH	35					35		
X • X8210155	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT (MATERIAL ONLY)	EACH	2					2		
X • 82106700	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT (MATERIAL ONLY)	EACH	2					2		
X • XX007195	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 30 FT. M.H., 12 FT. MAST ARM (MATERIAL ONLY)	EACH	2					2		
X • XX007196	LIGHT POLE, ALUMINUM, TRANSFORMER BASE, 40 FT. M.H., 12 FT. MAST ARM (MATERIAL ONLY)	EACH	2					2		
X • XX007197	DECORATIVE LIGHTING UNIT, 100 WATT HPS, 12' M.H. (MATERIAL ONLY)	EACH	2					2		

* INDICATES SPECIALTY ITEMS
 X INDICATES SPECIAL PROVISION

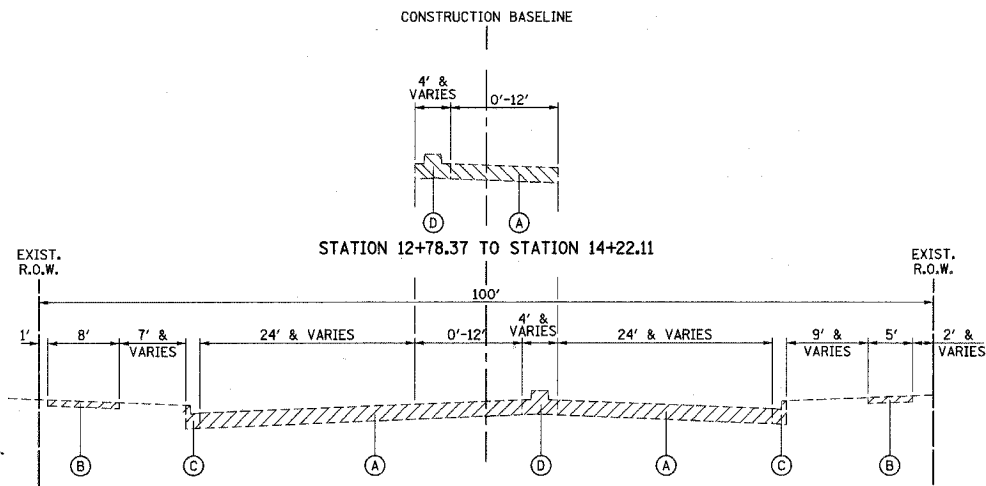
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

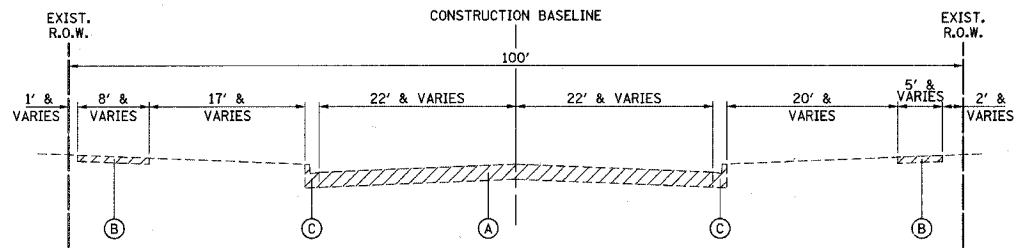
DATE 9/28/07
 DRAWN BY DJK
 CHECKED BY JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	14
TYPICAL SECTIONS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



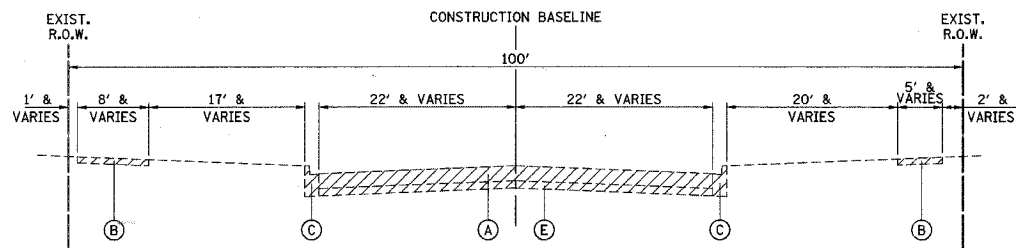
EXISTING TYPICAL SECTION

WISE ROAD
STATION 10+85 TO STATION 14+22.11



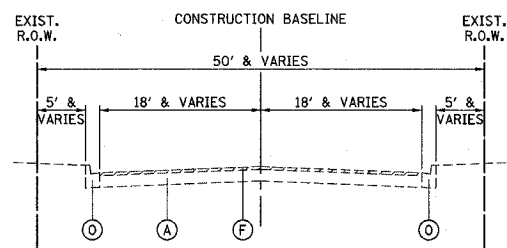
EXISTING TYPICAL SECTION

WISE ROAD
STATION 14+22.11 TO STATION 26+00
STATION 44+00 TO STATION 50+00
STATION 56+00 TO STATION 62+45.14



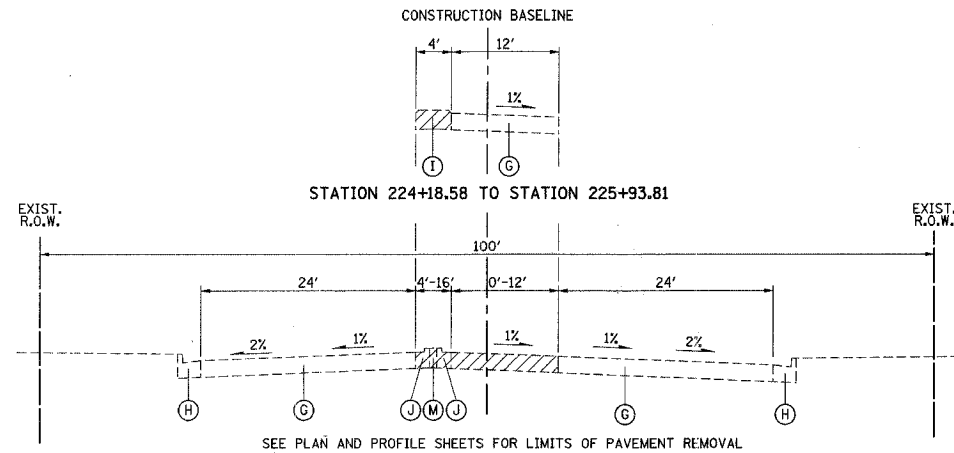
EXISTING TYPICAL SECTION

WISE ROAD
STATION 26+00 TO STATION 44+00
STATION 50+00 TO STATION 56+00



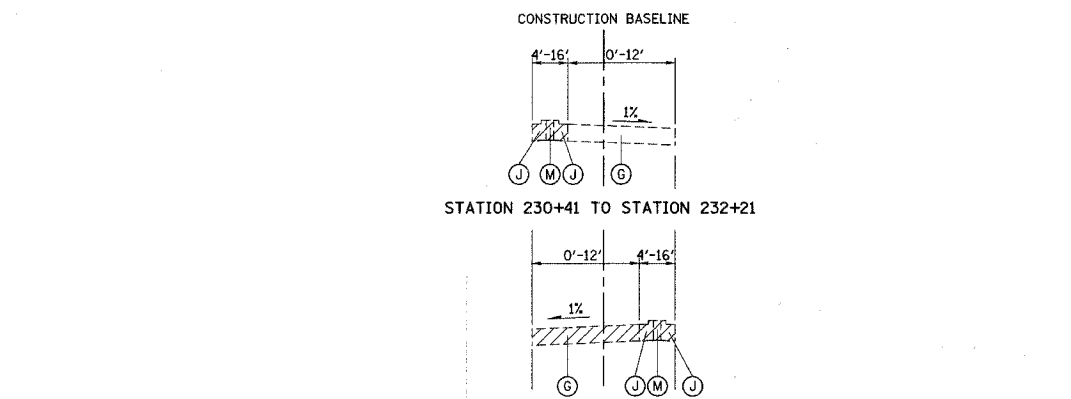
EXISTING TYPICAL SECTION

WISE ROAD
STATION 64+14.82 TO STATION 76+44



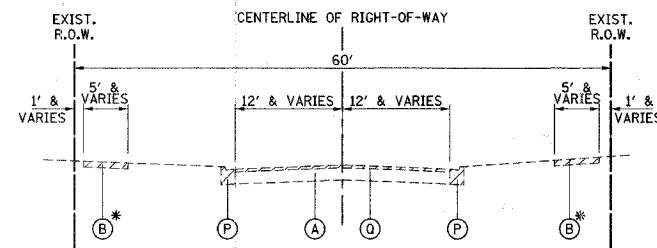
EXISTING TYPICAL SECTION

PLUM GROVE ROAD
STATION 220+84.60 TO STATION 224+18.58



EXISTING TYPICAL SECTION

PLUM GROVE ROAD
STATION 227+14.96 TO STATION 232+21



EXISTING TYPICAL SECTION

CREST COURT, JAMESTOWN COURT, DURHAM COURT,
ROTHBURY COURT, HAMPSHIRE COURT, BLACKHAWK COURT

* SIDEWALK REMOVAL AT LOCATIONS DIRECTED BY THE ENGINEER

EXISTING LEGEND

- (A) BITUMINOUS CONCRETE PAVEMENT - 4" TO 15"
(SEE GEOTECHNICAL REPORT PREPARED BY APPLIED GEOSCIENCE, DATED MAY 30, 2004 FOR PAVEMENT CORES)
- (B) PORTLAND CEMENT CONCRETE SIDEWALK
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) PORTLAND CEMENT CONCRETE MEDIAN
- (E) PORTLAND CEMENT CONCRETE BASE COURSE - 3" TO 7"
(SEE GEOTECHNICAL REPORT PREPARED BY APPLIED GEOSCIENCE, DATED MAY 30, 2004 FOR PAVEMENT CORES)
- (F) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (G) PORTLAND CEMENT CONCRETE PAVEMENT - 10"
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (I) CORRUGATED MEDIAN
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (K) BITUMINOUS BIKE PATH
- (M) BITUMINOUS MEDIAN
- (N) RETAINING WALL
- (O) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
- (P) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12
- (Q) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (1.5" MIN)



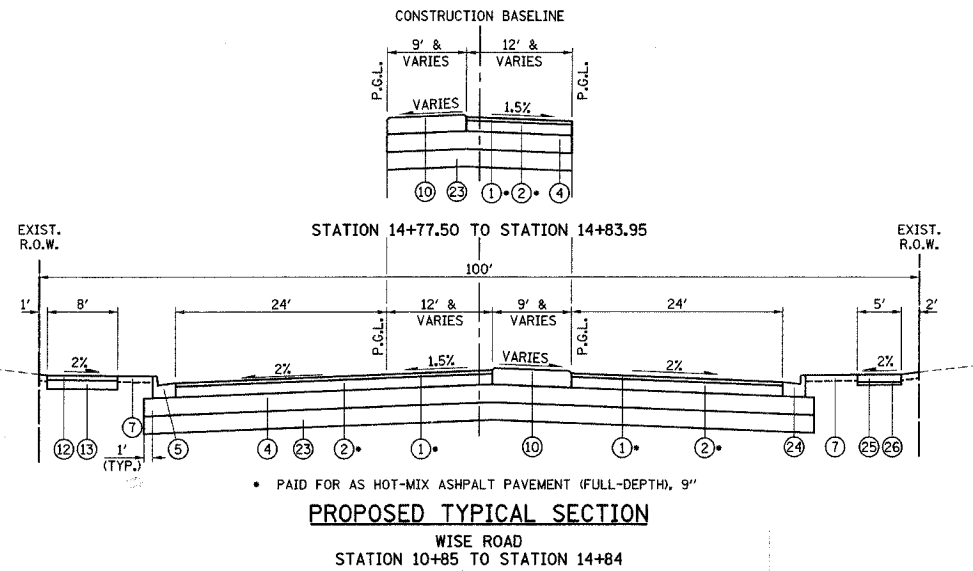
REMOVAL ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING TYPICAL SECTIONS

DATE: 9/28/07
DESIGNED BY: KKK
CHECKED BY: JRV

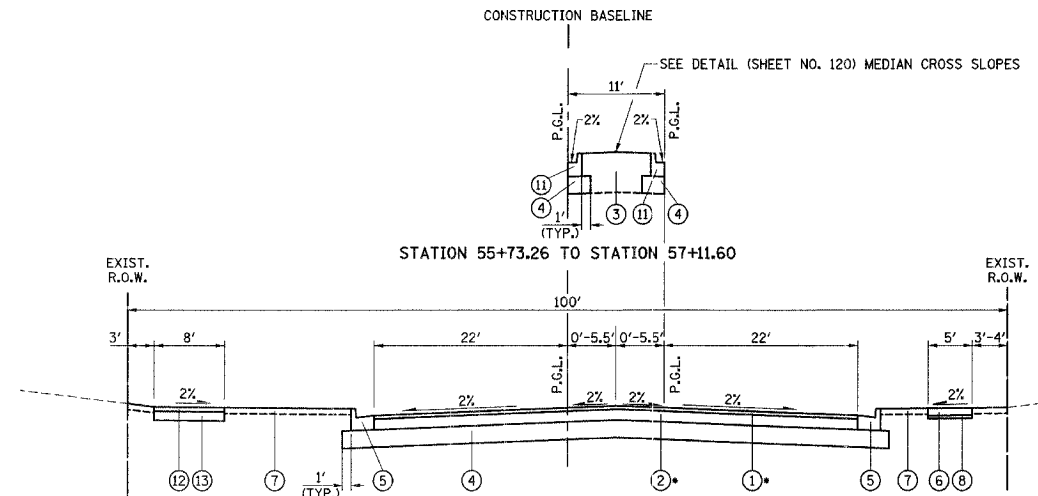
NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	15
TYPICAL SECTIONS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



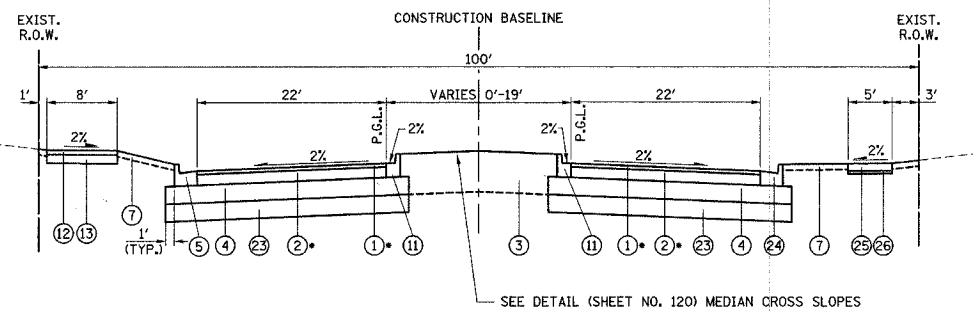
PROPOSED TYPICAL SECTION

WISE ROAD
STATION 10+85 TO STATION 14+84



PROPOSED TYPICAL SECTION

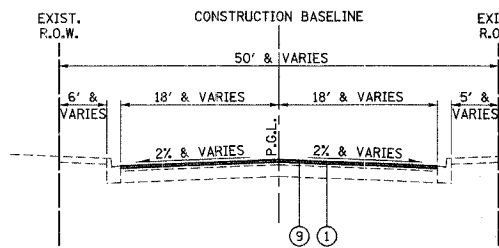
WISE ROAD
STATION 51+68.76 TO STATION 62+54.1



PROPOSED TYPICAL SECTION

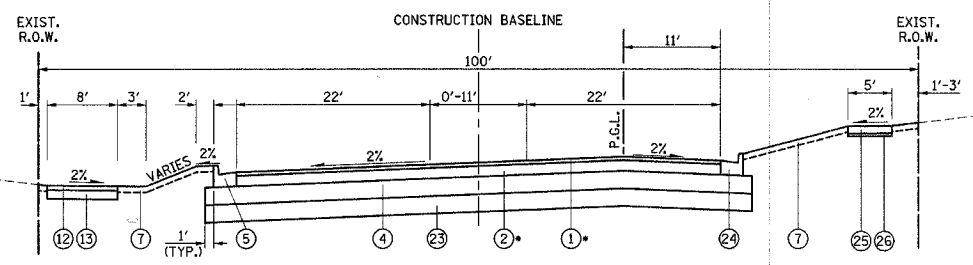
WISE ROAD
STATION 14+84 TO STATION 16+88.47

SEE INTERSECTION GRADING PLANS FOR PGL TRANSITION FROM STA. 16+31.6 TO STA. 16+81.6



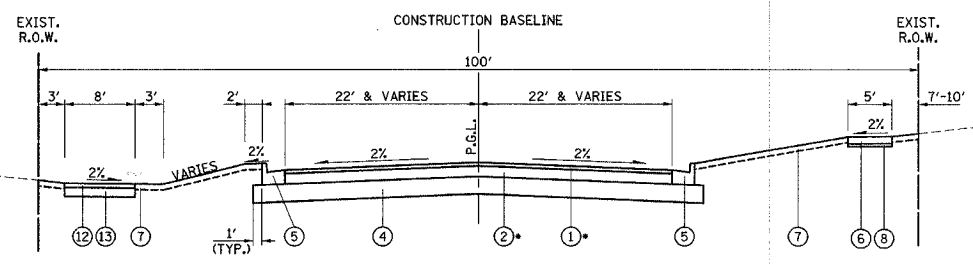
PROPOSED TYPICAL SECTION

WISE ROAD
STATION 64+17.30 TO STATION 76+44



PROPOSED TYPICAL SECTION

WISE ROAD
STATION 16+88.47 TO STATION 47+60



PROPOSED TYPICAL SECTION

WISE ROAD
STATION 47+60 TO STATION 51+68.76

SEE INTERSECTION GRADING PLANS FOR PGL OFFSET TRANSITION FROM STA. 47+60 TO STA. 48+10

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 IN)
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7 IN) (2 LIFTS)
- ③ MEDIAN SOIL MIX FURNISH AND PLACE
- ④ AGGREGATE SUBGRADE, 10"
- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑦ TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE B 2" (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH)
- ⑨ AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑩ CORRUGATED MEDIAN
- ⑪ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑫ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (3 IN)
- ⑬ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑭ PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- ⑮ COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑯ HOT-MIX ASPHALT SHOULDERS, 12"
- ⑰ CONCRETE MEDIAN, TYPE C-4
- ⑱ #6 TIE BAR, 24" LONG @ 30" C-C (DRILLED & GROUTED)
- ⑲ COMBINATION CONCRETE CURB & GUTTER, TYPE M-3.12
- ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1.5 IN)
- ㉑ LEVELING BINDER (MACHINE METHOD), N50 (1.5 IN (MIN) AND VARIES)
- ㉒ AGGREGATE SUBGRADE, 12"
- ㉓ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL POROUS GRANULAR EMBANKMENT, SUBGRADE SEE ROADWAY SOILS INVESTIGATION BY APPLIED GEOSCIENCE, INC. DATED MAY 30, 2003 AND JUNE 18, 2007 AND THE CROSS SECTIONS FOR ADDITIONAL INFORMATION
- ㉔ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (SPECIAL)
- ㉕ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- ㉖ SUBBASE GRANULAR MATERIAL, TYPE B 2" (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL)

PAVEMENT DESIGN

ITEM	WISE ROAD
STRUCTURAL DESIGN TRAFFIC (2030)	14,000
ROAD CLASSIFICATION	I
PASSENGER CARS	12,446
SINGLE UNITS	191
MULTIPLE UNITS	63
TRAFFIC FACTOR	0.25
DESIGN THICKNESS	2+7+10

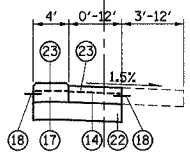
THICKNESS = (HMA SURF + HMA BIND + AGG SUB-GRADE) INCHES

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS

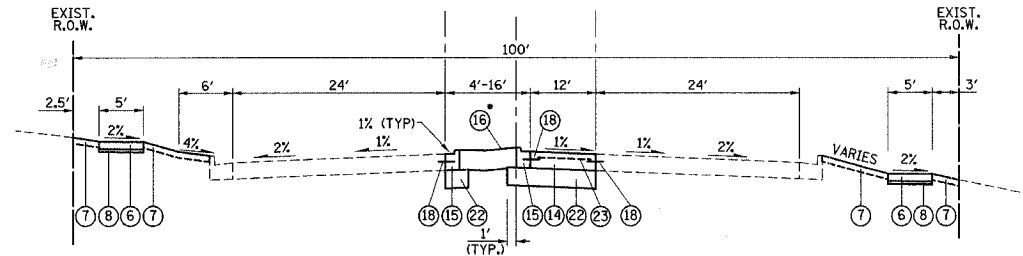
DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV
NOT TO SCALE

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	16
TYPICAL SECTIONS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

CONSTRUCTION BASELINE



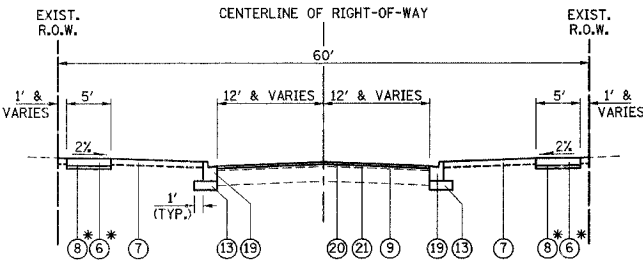
STATION 222+80.3 TO STATION 225+66.66



PROPOSED TYPICAL SECTION

PLUM GROVE ROAD
STATION 220+84.60 TO STATION 222+80.3

*SEE SHEET NO. 121 FOR ADDITIONAL TYPE M-7 MEDIAN DETAILS



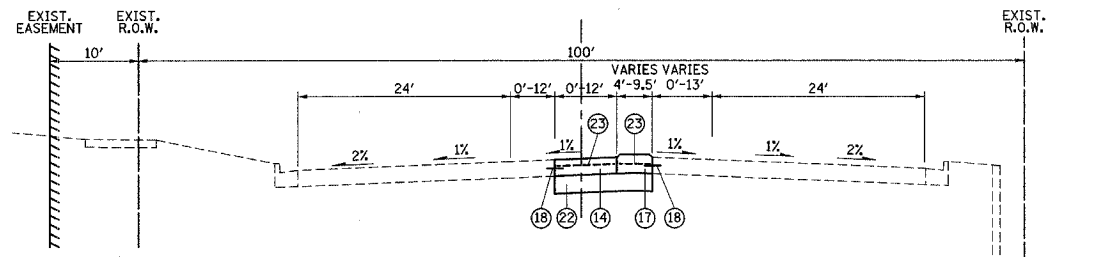
PROPOSED TYPICAL SECTION

CREST COURT, JAMESTOWN COURT, DURHAM COURT,
ROTHBURY COURT, HAMPSHIRE COURT, BLACKHAWK COURT

*SIDEWALK REPLACEMENT AT LOCATIONS DIRECTED BY THE ENGINEER

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2 IN)
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7 IN) (2 LIFTS)
- ③ MEDIAN SOIL MIX FURNISH AND PLACE
- ④ AGGREGATE SUBGRADE, 10"
- ⑤ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑦ TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE B 2" (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL)
- ⑨ AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑩ CORRUGATED MEDIAN
- ⑪ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑫ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (3 IN)
- ⑬ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑭ PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- ⑮ COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑯ HOT-MIX ASPHALT SHOULDERS, 12"
- ⑰ CONCRETE MEDIAN, TYPE C-4
- ⑱ #6 TIE BAR, 24" LONG @ 30" C-C (DRILLED & GROUTED) (EMBED 8")
- ⑲ COMBINATION CONCRETE CURB & GUTTER, TYPE M-3.12
- ⑳ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1.5 IN)
- ㉑ LEVELING BINDER (MACHINE METHOD), N50 (1.5 IN (MIN) AND VARIES)
- ㉒ AGGREGATE SUBGRADE, 12"
- ㉓ PAVEMENT FABRIC



PROPOSED TYPICAL SECTION

PLUM GROVE ROAD
STATION 227+14.96 TO STATION 232+21

*SEE SHEET NO. 121 FOR ADDITIONAL TYPE M-7 MEDIAN DETAILS

MIXTURE REQUIREMENT

PAY ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7")	PG 64-22*	4% @ 70 GYR.
PAVEMENT RESURFACING (WISE ROAD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")	PG 64-22	4% @ 70 GYR.
PAVEMENT RESURFACING (CUL-DE-SACS)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1.5")	PG 64-22	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50 (1.5" MIN AND VARIES)	PG 64-22*	4% @ 50 GYR.
BIKEPATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (3")	PG 64-22	4% @ 50 GYR.
PATCHING		
CLASS D PATCHES (HMA BINDER IL-13 MM; 6")	PG 64-22*	4% @ 70 GYR.
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 MM) (2 1/4" RESIDENTIAL, 5" COMMERCIAL)	PG 64-22*	4% @ 50 GYR.
MEDIAN SURFACE		
HOT-MIX ASPHALT SHOULDERS, 12" (HMA BINDER IL-19 MM)	PG 64-22*	2% @ 30 GYR.

NOTE: THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV
NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	17
SCHEDULE OF QUANTITIES				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

STATION	DRIVEWAY REMOVAL (SQ YD)	SCHEDULE OF DRIVEWAYS			
		PCC DRIVEWAY, 5 INCH, SPECIAL (SQ YD)	PCC DRIVEWAY, 8 INCH, SPECIAL (SQ YD)	BIT DRIVEWAY 4 1/4" (SQ YD)	BIT DRIVEWAY 7" (SQ YD)
11+26, RT	23.7			20.2	
12+00, RT	26.2	2.0		15.4	
12+69, RT	26.0	2.1		15.0	
13+14, RT	19.0	1.3		10.4	
14+75, LT	282.4		67.9		207.0
15+38, RT	29.2	19.2			
17+00, RT	46.1	31.8			
17+27, LT	122.0		90.2		
17+37, RT	41.7	29.4			
18+78, RT	49.3	40.6			
26+00, RT	56.4	42.6		4.0	
27+40, RT	52.8	41.8		4.0	
28+32, RT	56.9	48.8			
29+00, RT	64.8	57.9			
30+40, RT	52.2	46.9			
33+15, RT	44.1	36.7			
39+22, RT	54.3	39.3			
39+92, RT	49.4	26.7		8.4	
41+30, RT	49.0	29.4		11.6	
41+87, RT	51.8	48.0			
43+44, RT	45.7	29.8		10.7	
43+77, RT	46.8	28.9		10.3	
45+50, RT	44.5	36.9		2.8	

SCHEDULE OF TREE REMOVAL	
STATION	6 TO 15 UNIT DIAMETER
13+73, LT	6
38+81, LT	6
39+40, LT	6
49+86, RT	10
50+20, RT	8
50+59, RT	10
53+03, RT	10
53+61, RT	8
54+28, RT	10
55+35, RT	8
55+81, RT	6
56+21, RT	8
58+79, RT	8
59+22, RT	6
60+01, RT	8
60+42, RT	6
60+76, RT	6
62+34, RT	6

EARTHWORK SCHEDULE				
ITEM	UNIT	STAGE 1	STAGE 2	STAGE 3
		EARTH EXCAVATION	C.Y.	276
EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	C.Y.	234	4205	5404
EMBANKMENT REQUIRED	C.Y.	26	725	476
EARTHWORK BALANCE				
WASTE (+) OR SHORTAGE (-)	C.Y.	+208	+3480	+4928

SHRINKAGE CALCULATED USING 15% SHRINKAGE FACTOR

A PAY ITEM FOR "FURNISHED EXCAVATION" HAS BEEN INCLUDED ON THE ASSUMPTION THAT, DUE TO LIMITED WORKING SPACE, ALL EMBANKMENT MAY HAVE TO BE BROUGHT IN FROM OUTSIDE THE PROJECT LIMITS.

UNDERCUT DEPTH SCHEDULE		
FROM	TO	DEPTH
STA. 13+00	STA. 36+00	12"
STA. 40+00	STA. 42+00	12"

REVISIONS	
NAME	DATE

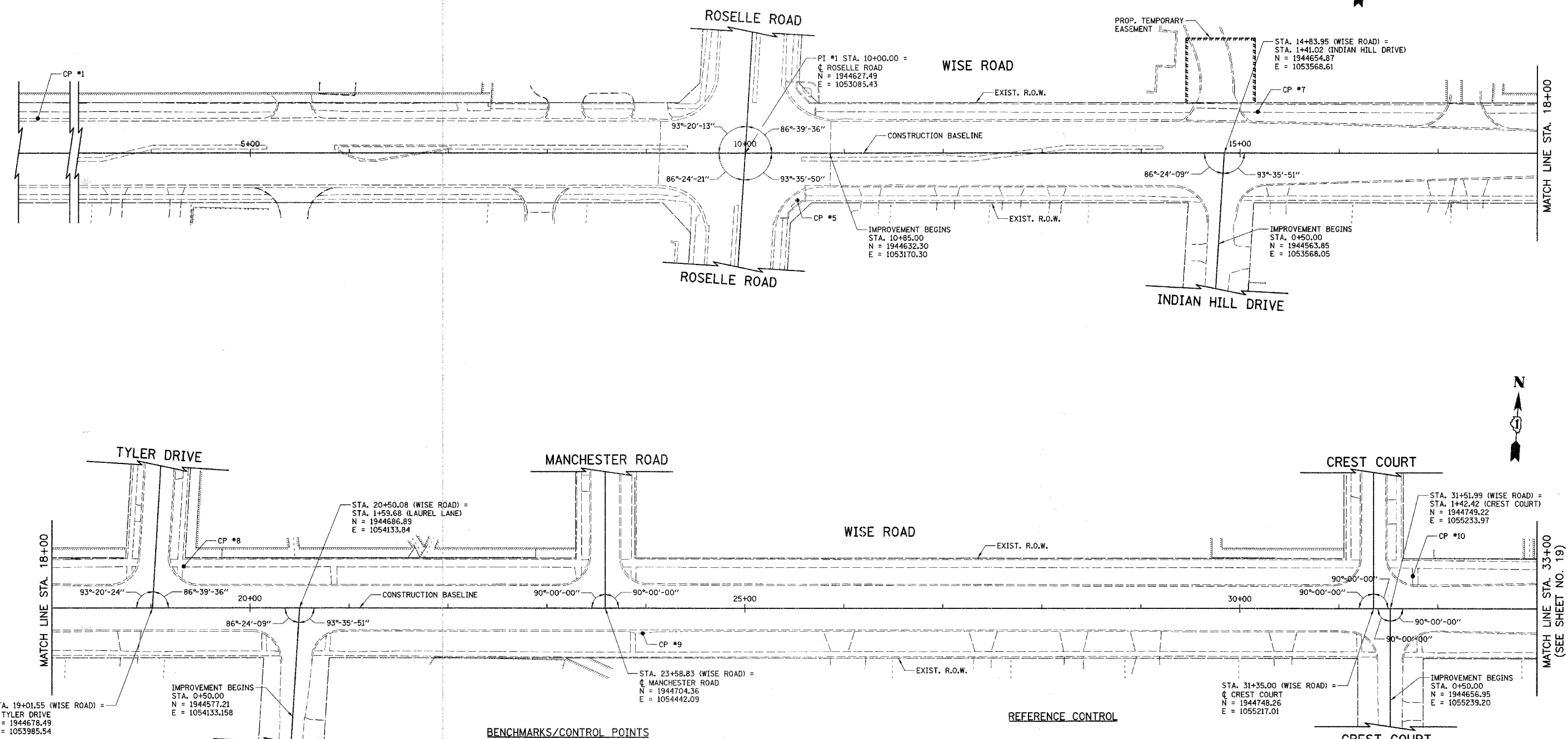
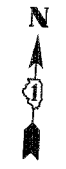
ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DRAWN BY DJK
CHECKED BY JRV

DATE 9/28/07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-PP	COOK	167	18
ALIGNMENT, TIES & BENCHMARKS				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	M-800315121	



BENCHMARKS/CONTROL POINTS

<p>CP #1 CROSS NOTCH FOUND EL = 823.96 STA. 2+38.81, 41.50' LT N = 1944625.91 E = 1052323.12</p>	<p>CP #8 CROSS NOTCH SET EL = 770.62 STA. 19+33.05, 41.50' LT N = 1944721.70 E = 1054014.64</p>
<p>CP #5 CROSS NOTCH SET EL = 795.56 STA. 10+52.69, 47.38' RT N = 1944583.17 E = 1053140.72</p>	<p>CP #9 CROSS NOTCH SET EL = 767.30 STA. 23+96.74, 25.33' RT N = 1944681.21 E = 1054481.37</p>
<p>CP #7 CROSS NOTCH SET EL = 775.74 STA. 15+17.63, 41.18' LT N = 1944697.89 E = 1053599.91</p>	<p>CP #10 CROSS NOTCH SET EL = 767.43 STA. 31+74.64, 32.37' LT N = 1944782.82 E = 1055254.76</p>

REFERENCE CONTROL

SCHAUMBURG CONTROL MONUMENT #1039	N 1944606.317 (RECORD HELD) E 1052704.460 (RECORD HELD) EL. 812.83 FT. (RECORD HELD)
SCHAUMBURG CONTROL MONUMENT #1214	N 1948698.799 (RECORD HELD) E 1053470.823 (RECORD HELD) EL. 793.829 FT. (RECORD) EL. 793.53 FT. (GPS)
SCHAUMBURG CONTROL MONUMENT #1030	N 1942391.345 (RECORD HELD) E 1060766.966 (RECORD HELD) EL. 723.77 FT. (RECORD) EL. 723.77 FT. (GPS)
SCHAUMBURG CONTROL MONUMENT #1029	N 1944820.028 (RECORD HELD) E 1058358.146 (RECORD HELD) EL. 743.80 FT. (RECORD) EL. 743.67 FT. (GPS)
SCHAUMBURG CONTROL MONUMENT #1025	N 1947617.286 (RECORD HELD) E 1058316.738 (RECORD HELD) EL. 727.06 FT. (RECORD) EL. 726.99 FT. (GPS)

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

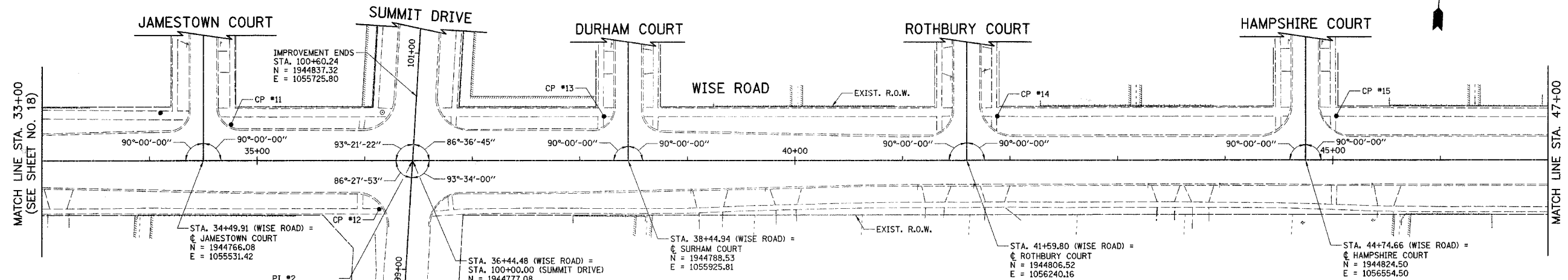
WISE ROAD

SCALE IN FEET

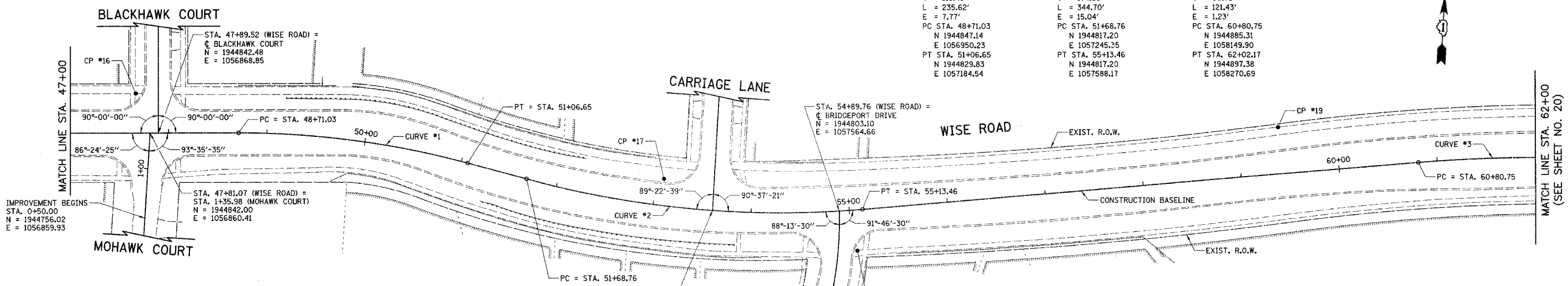
DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	19
ALIGNMENT, TIES & BENCHMARKS				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT M-8003(512)	



CURVE #1	CURVE #2	CURVE #3
PI STA. 49+89.52 N 1944853.91 E 1057068.52 Δ = 15°-00'-00.00" D = 6°-21'-58.31" R = 900.00' T = 118.49' L = 235.62' E = 7.77'	PI STA. 53+42.84 N 1944781.83 E 1057415.80 Δ = 19°-45'-00.00" D = 5°-43'-46.48" R = 1000.00' T = 174.08' L = 344.70' E = 15.04'	PI STA. 61+41.49 N 1944893.79 E 1058210.05 Δ = 4°-38'-17.33" D = 3°-49'-10.99" R = 1500.00' T = 60.75' L = 121.43' E = 1.23'
PC STA. 48+71.03 N 1944847.14 E 1056950.23 PT STA. 51+06.65 N 1944829.83 E 1057184.54	PC STA. 51+68.76 N 1944817.20 E 1057245.35 PT STA. 55+13.46 N 1944817.20 E 1057588.17	PC STA. 60+80.75 N 1944885.31 E 1058149.90 PT STA. 62+02.17 N 1944897.38 E 1058270.69



BENCHMARKS/CONTROL POINTS

CP #1 IRON ROD SET w/RED CAP EL = 768.19 STA. 34+75.58, 33.87' LT N = 1944801.34 E = 1055555.14	CP #14 CROSS NOTCH SET EL = 768.19 STA. 41+88.07, 41.00' RT N = 1944849.07 E = 1056266.04	CP #17 IRON ROD SET w/RED CAP EL = 742.38 STA. 53+07.86, 26.73' LT N = 1944825.16 E = 1057384.83
CP #12 CROSS NOTCH SET EL = 765.18 STA. 36+13.43, 44.27' RT N = 1944731.13 E = 1055697.19	CP #15 CROSS NOTCH SET EL = 763.63 STA. 45+03.15, 41.01' LT N = 1944867.07 E = 1056580.61	CP #18 CROSS NOTCH SET EL = 743.02 STA. 55+05.23, 41.21' RT N = 1944764.16 E = 1057585.43
CP #13 CROSS NOTCH SET EL = 763.97 STA. 38+22.31, 41.29' LT N = 1944828.47 E = 1055900.86	CP #16 CROSS NOTCH SET EL = 759.15 STA. 47+66.62, 40.48' LT N = 1944881.59 E = 1056843.68	CP #19 CROSS NOTCH SET EL = 743.02 STA. 59+41.48, 47.03' LT N = 1944912.45 E = 1058005.44

ILLINOIS DEPARTMENT OF TRANSPORTATION

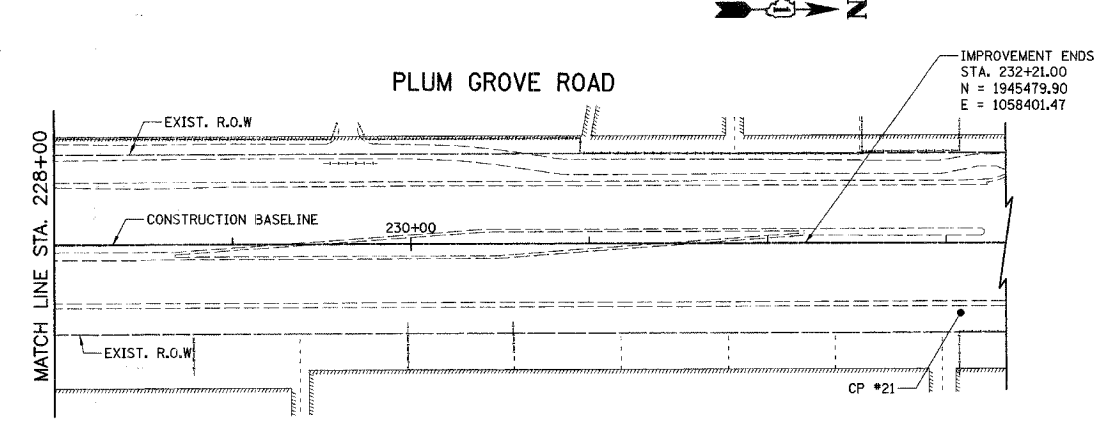
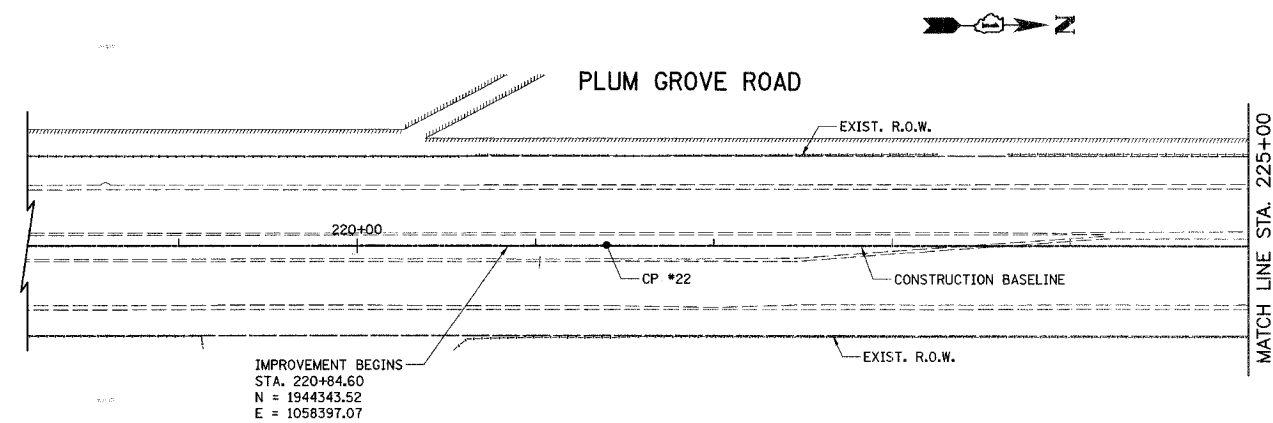
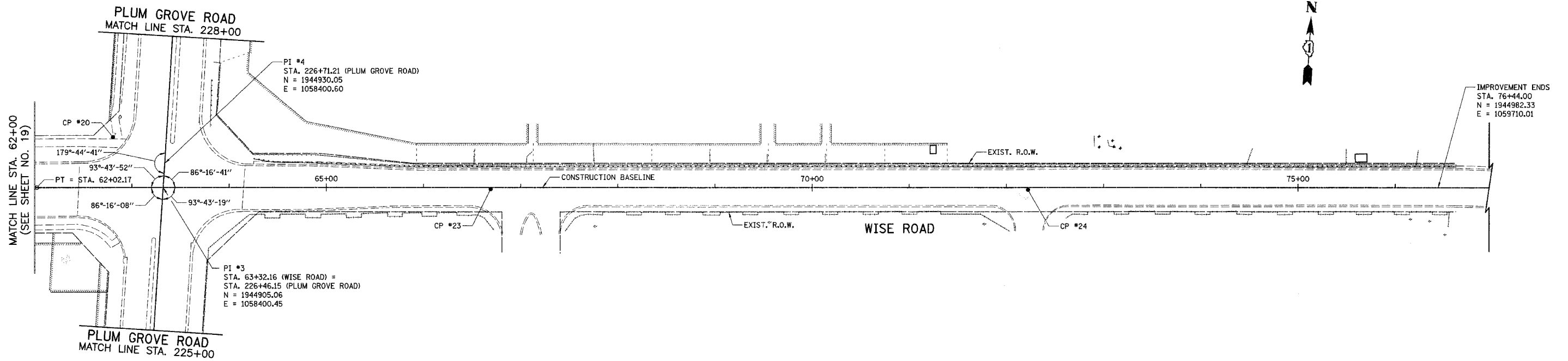
ALIGNMENT, TIES & BENCHMARKS

WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	20
ALIGNMENT, TIES & BENCHMARKS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



BENCHMARKS/CONTROL POINTS

- | | |
|--|--|
| CP #20
CROSS NOTCH SET
EL = 744.86
STA. 62+80.45, 51.55' LT
N = 1944953.46
E = 1058345.79 | CP #23
MAG NAIL SET
EL = 732.99
STA. 66+69.12, 1.64' RT
N = 1944923.27
E = 1058736.93 |
| CP #21
IRON ROD SET w/RED CAP
EL = 733.80
STA. 233+08.00, 38.97' RT
N = 1945566.85
E = 1058440.58 | CP #24
MAG NAIL SET
EL = 724.46
STA. 72+22.17, 2.33' RT
N = 1944955.16
E = 1059289.05 |
| CP #22
MAG NAIL SET
EL = 739.93
STA. 221+39.82, 0.47' LT
N = 1944398.74
E = 1058396.94 | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

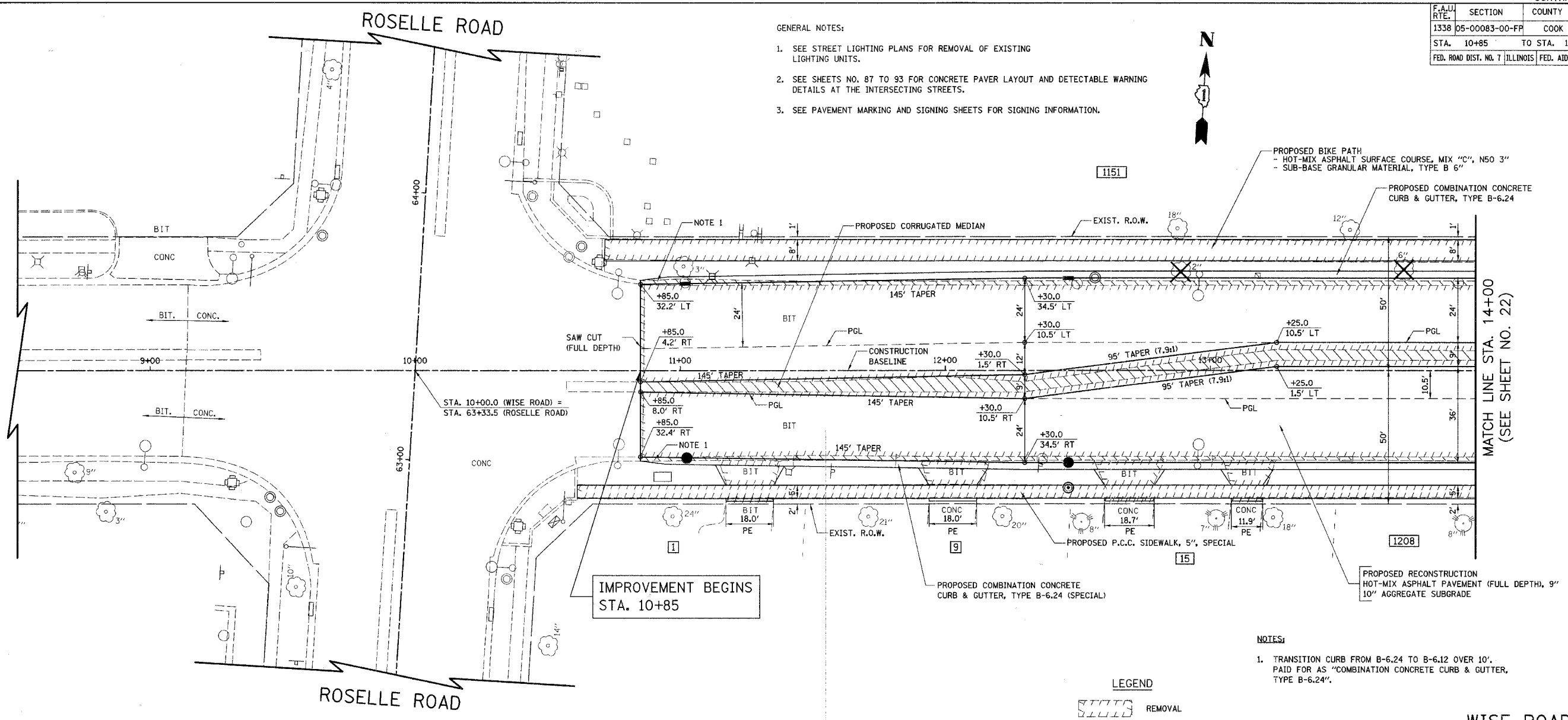
WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-0083-00-FP	COOK	167	21
STA. 10+85		TO STA. 14+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(5)21				

- GENERAL NOTES:
- SEE STREET LIGHTING PLANS FOR REMOVAL OF EXISTING LIGHTING UNITS.
 - SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.
 - SEE PAVEMENT MARKING AND SIGNING SHEETS FOR SIGNING INFORMATION.

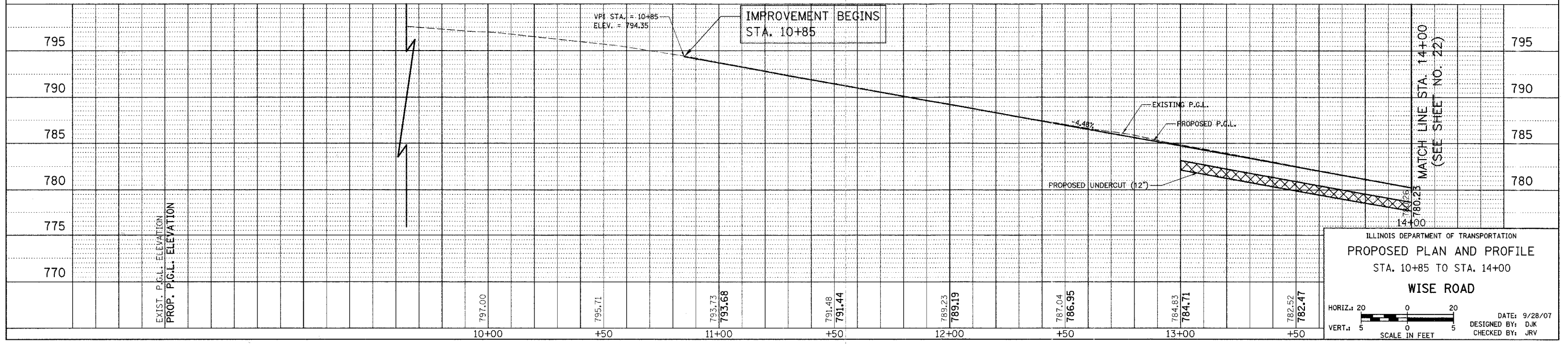


IMPROVEMENT BEGINS STA. 10+85

- NOTES:
- TRANSITION CURB FROM B-6.24 TO B-6.12 OVER 10'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24".



WISE ROAD



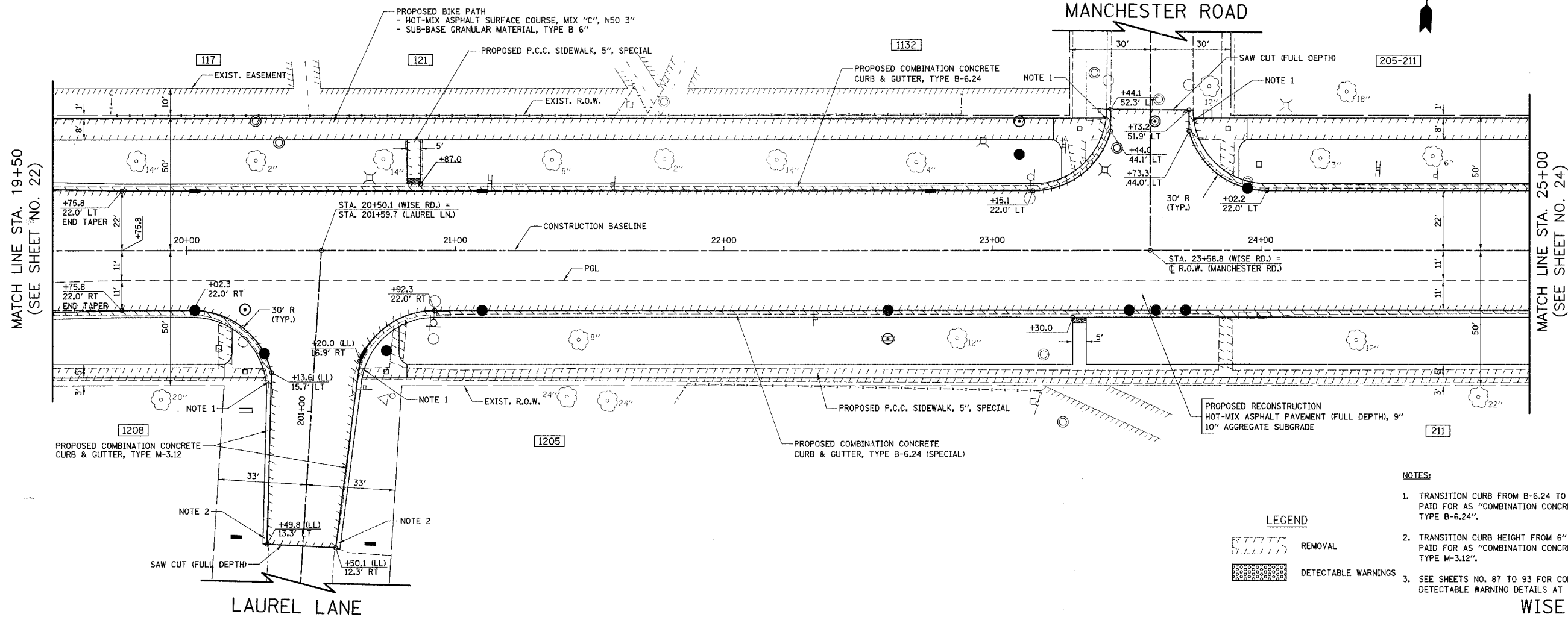
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 10+85 TO STA. 14+00
WISE ROAD

HORIZ. 20
 VERT. 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRJ

MATCH LINE STA. 14+00 (SEE SHEET NO. 22)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-PP	COOK	167	23
STA. 19+50		TO STA. 25+00		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT M-8003(512)	

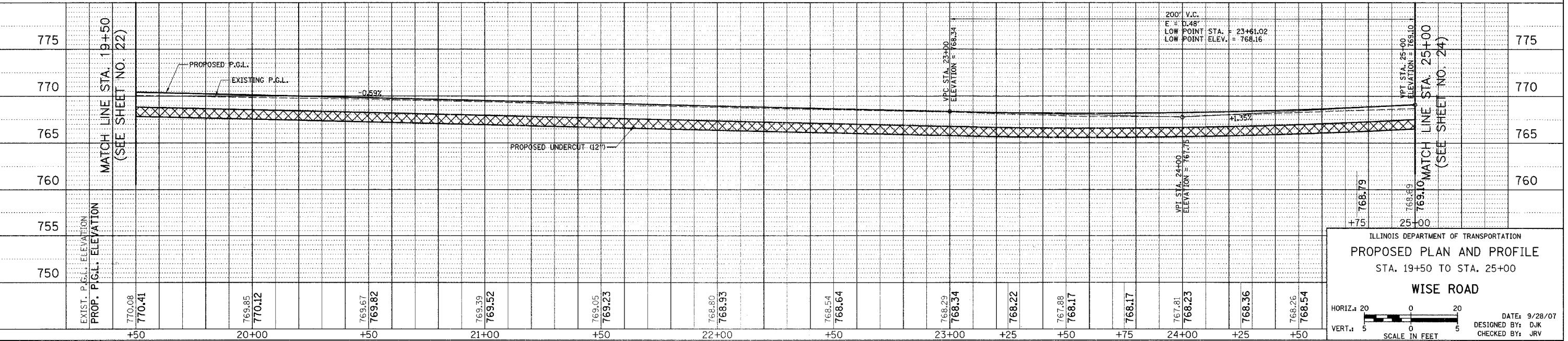


- NOTES:**
1. TRANSITION CURB FROM B-6.24 TO M-3.12 OVER 10'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24".
 2. TRANSITION CURB HEIGHT FROM 6" TO 0" OVER 5'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE M-3.12".
 3. SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.

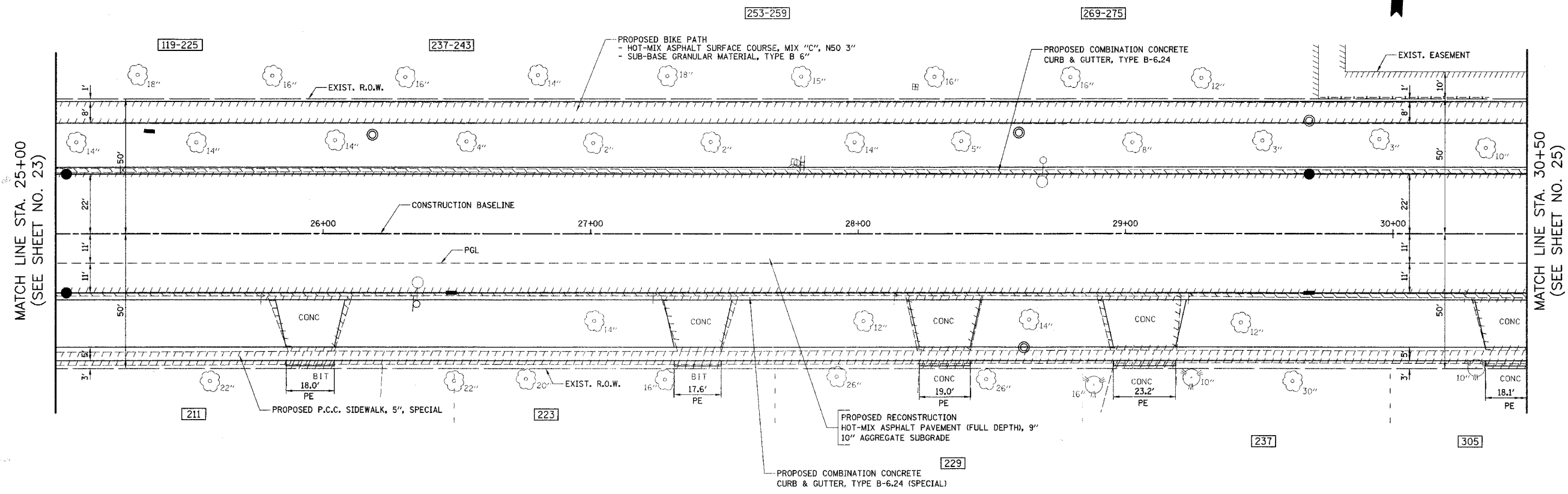
LEGEND

REMOVAL

DETECTABLE WARNINGS



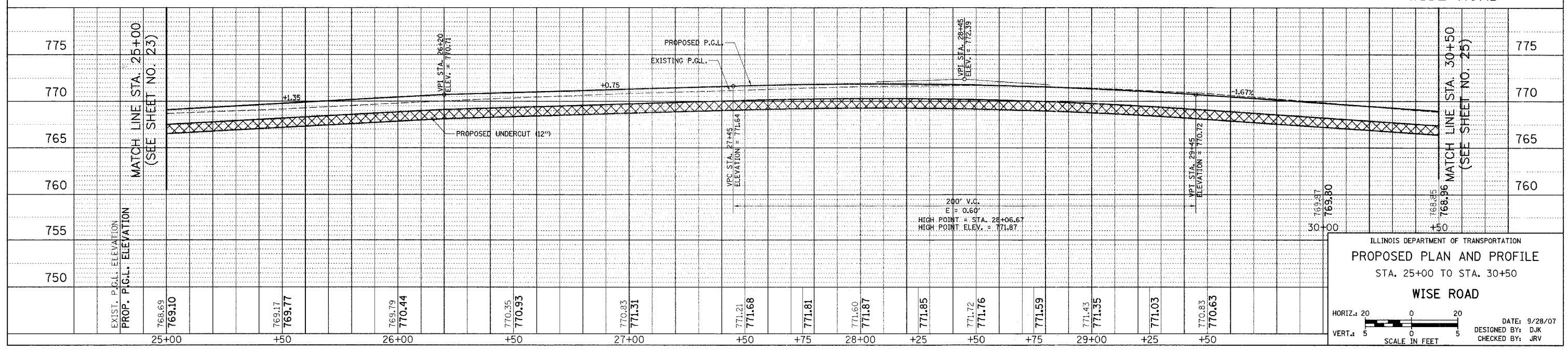
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	24
STA. 25+00		TO STA. 30+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		



- NOTES**
- SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.

LEGEND

REMOVAL

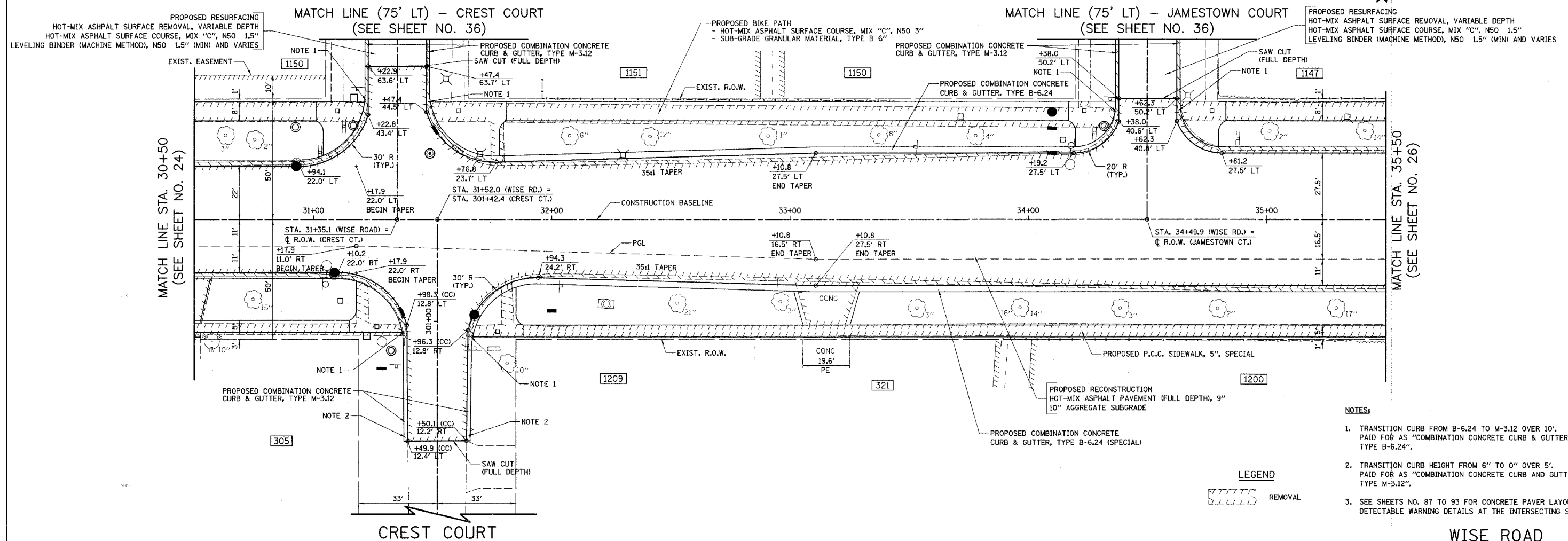


ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 25+00 TO STA. 30+50
WISE ROAD

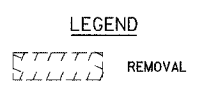
HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	25
STA. 30+50		TO STA. 35+50		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-800315121		



- NOTES:**
1. TRANSITION CURB FROM B-6.24 TO M-3.12 OVER 10'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24".
 2. TRANSITION CURB HEIGHT FROM 6" TO 0" OVER 5'. PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12".
 3. SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.



EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION																					
768.85	768.96	+50	768.19	768.15	31+00	767.86	767.86	+25	767.75	767.71	+50	767.68	767.67	32+00	767.77	767.77	+25	767.98	767.98	+50	768.14	768.33	33+00	768.42	768.92	+25	768.97	768.97	+50	768.41	768.86	+50	768.26	768.31	34+00	767.62	767.73	+50	766.95	767.15	35+00

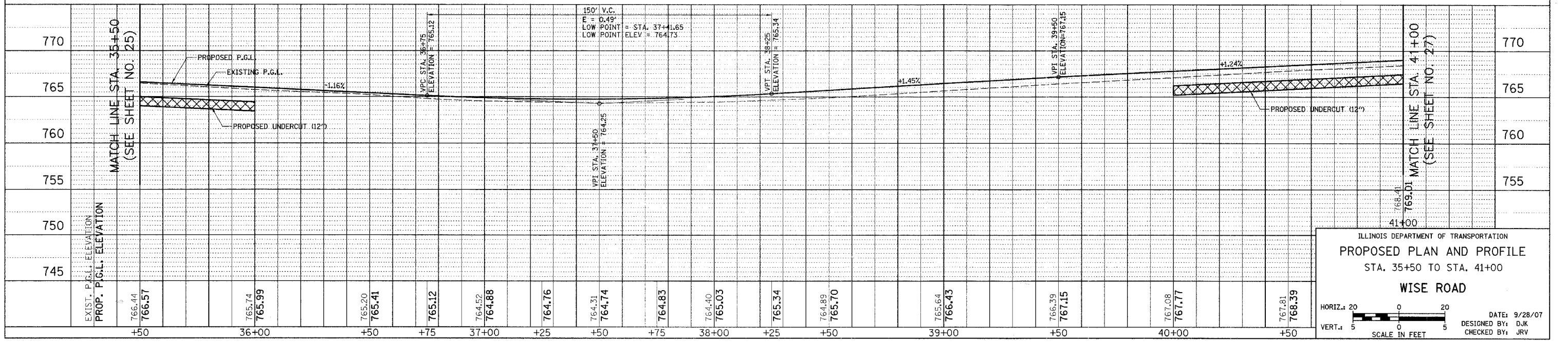
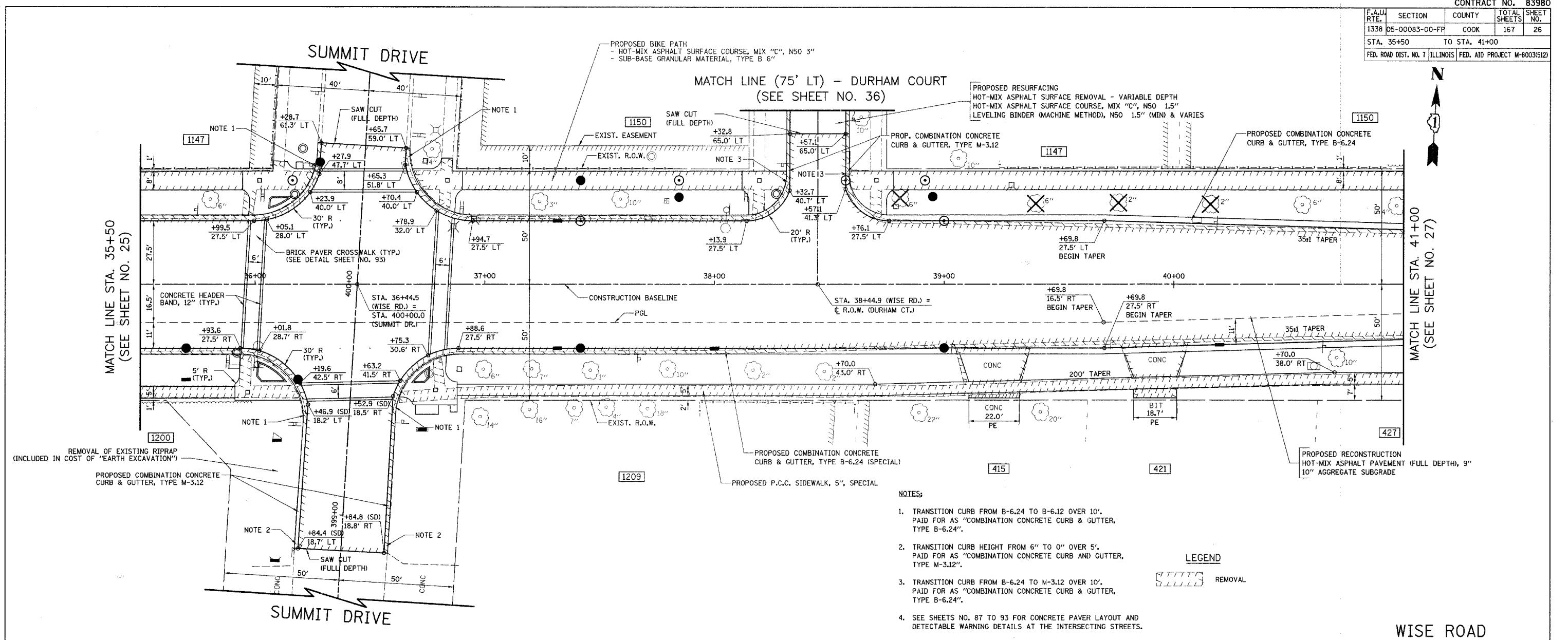
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 30+50 TO STA. 35+50
WISE ROAD

HORIZ. 1" = 20'
 VERT. 1" = 5'

SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-0083-00-FF	COOK	167	26
STA. 35+50		TO STA. 41+00		
FED. ROAD DIST. NO. 7		ILLINOIS		
		FED. AID PROJECT M-8003(5)23		

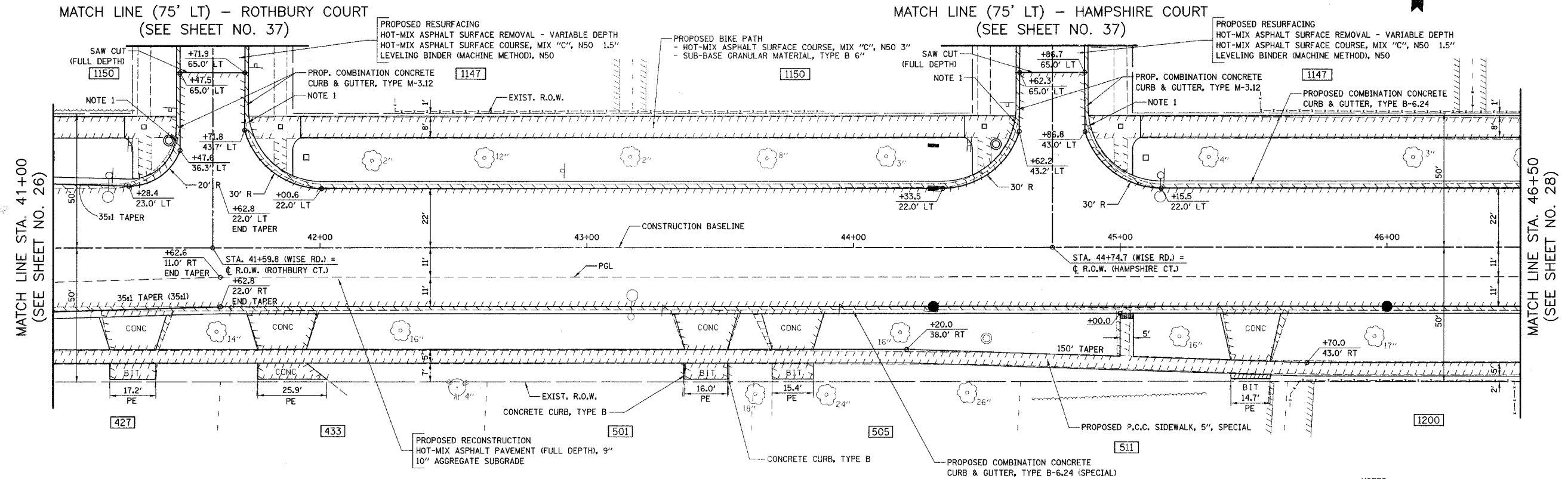


ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 35+50 TO STA. 41+00
WISE ROAD

HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	27
STA. 41+00		TO STA. 46+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(S)23		



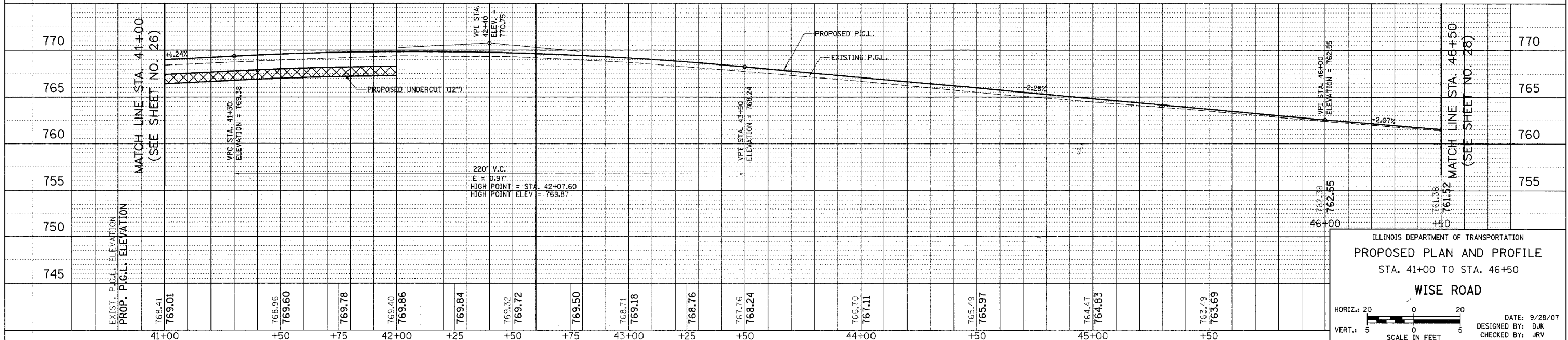
- NOTES:**
1. TRANSITION CURB FROM B-6.24 TO M-3.12 OVER 10'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24".
 2. SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.

LEGEND

REMOVAL

DETECTABLE WARNINGS

WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 41+00 TO STA. 46+50
WISE ROAD

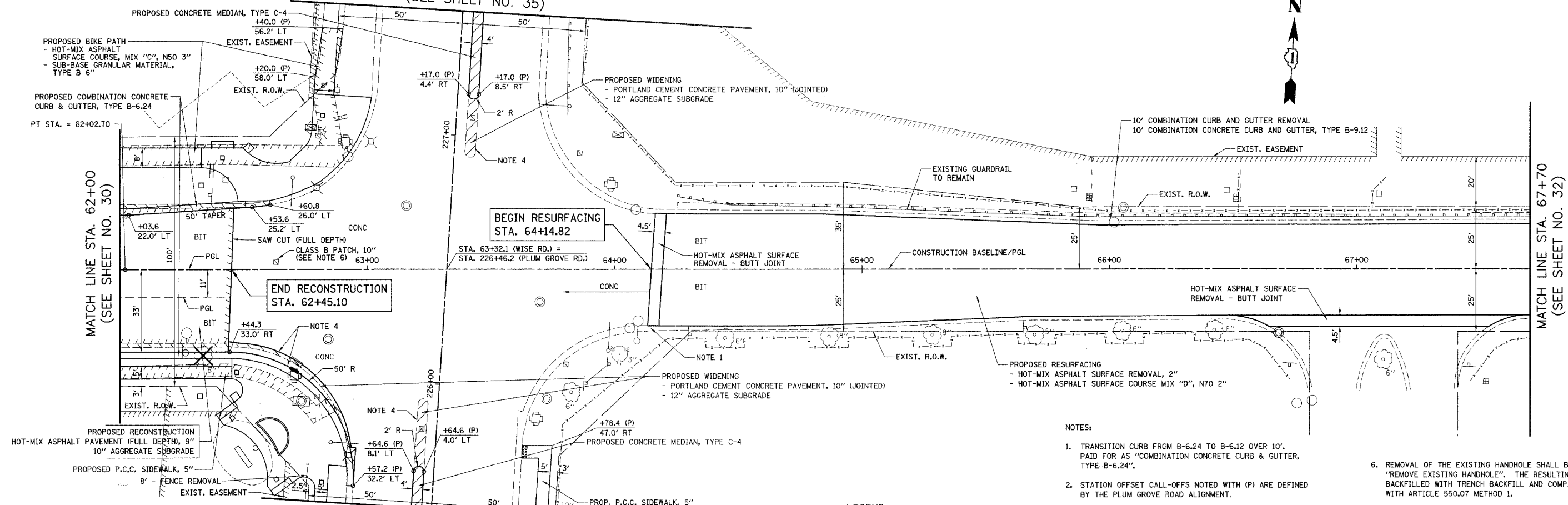
HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	31
STA. 62+00		TO STA. 67+70		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

PLUM GROVE ROAD
MATCH LINE STA. 227+50
(SEE SHEET NO. 35)

PLUM GROVE ROAD
MATCH LINE STA. 225+50
(SEE SHEET NO. 34)



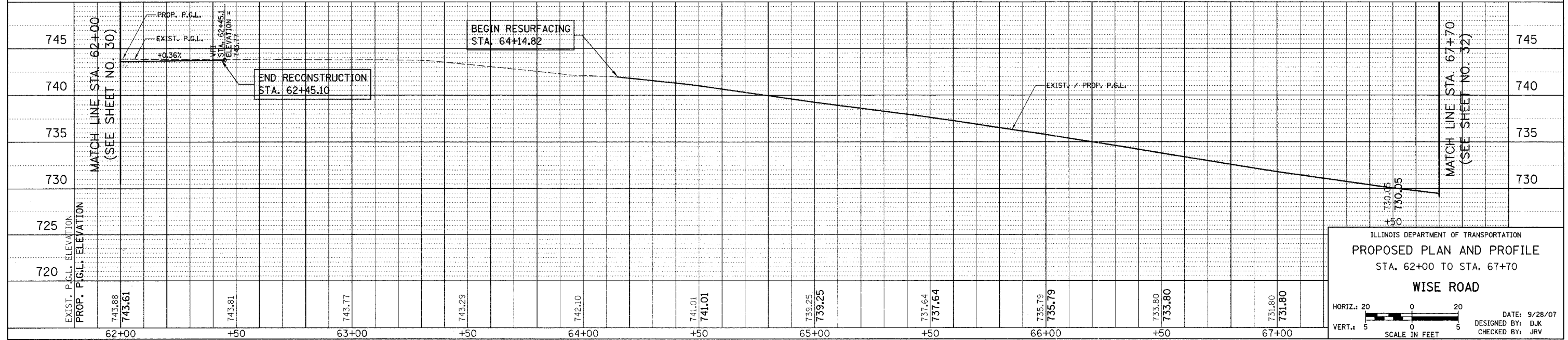
NOTES:

1. TRANSITION CURB FROM B-6.24 TO B-6.12 OVER 10'. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24".
2. STATION OFFSET CALL-OFFS NOTED WITH (P) ARE DEFINED BY THE PLUM GROVE ROAD ALIGNMENT.
3. ADDITIONAL GUTTER WIDTH FOR STUBS SHALL BE INCLUDED IN THE COST OF "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
4. SEE TYPICAL SECTIONS AND CCHD DETAIL (SHEET NO. 122) FOR LOCATIONS OF PROPOSED TIE BARS.
5. SEE SHEETS NO. 87 TO 93 FOR CONCRETE PAVER LAYOUT AND DETECTABLE WARNING DETAILS AT THE INTERSECTING STREETS.
6. REMOVAL OF THE EXISTING HANDHOLE SHALL BE PAID FOR AS "REMOVE EXISTING HANDHOLE". THE RESULTING HOLE SHALL BE BACKFILLED WITH TRENCH BACKFILL AND COMPACTED IN ACCORDANCE WITH ARTICLE 550.07 METHOD 1.

LEGEND

- REMOVAL
- DETECTABLE WARNINGS

WISE ROAD



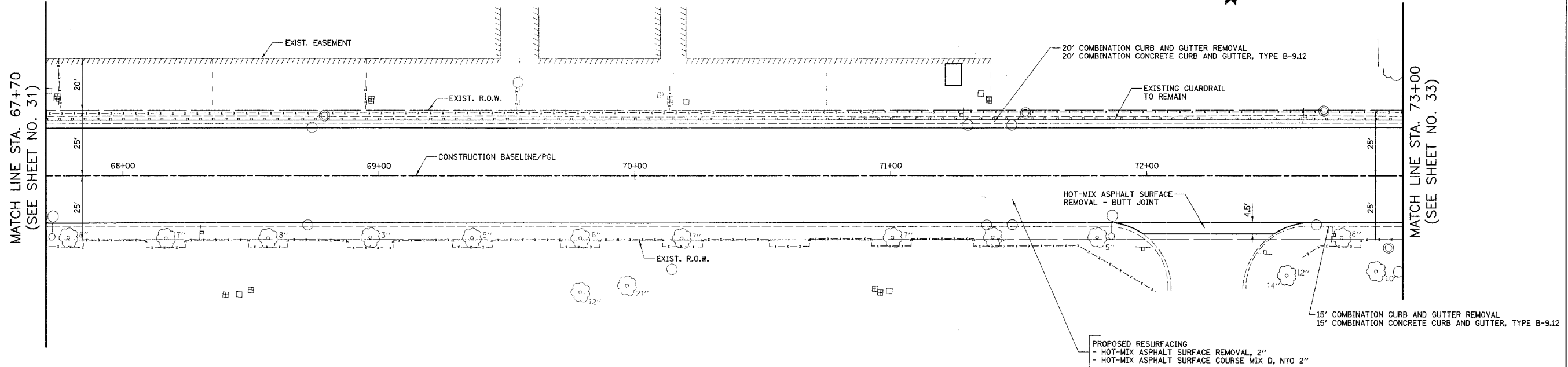
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
STA. 62+00 TO STA. 67+70
WISE ROAD

HORIZ.: 20
VERT.: 5

SCALE IN FEET

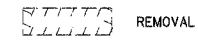
DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	32
STA. 67+70		TO STA. 73+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-6003(5)2				

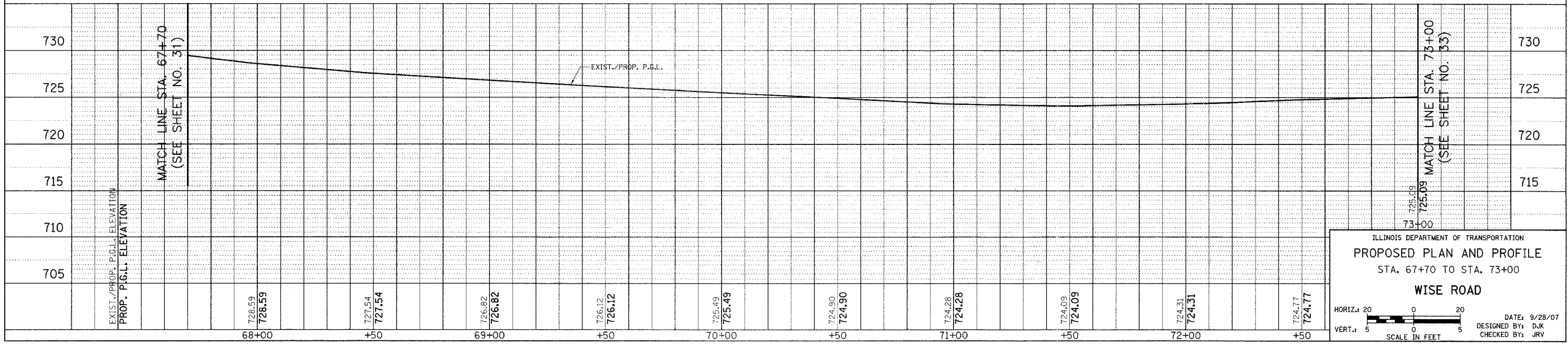


PROPOSED RESURFACING
 - HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - HOT-MIX ASPHALT SURFACE COURSE MIX D, N70 2"

LEGEND



WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 67+70 TO STA. 73+00
WISE ROAD

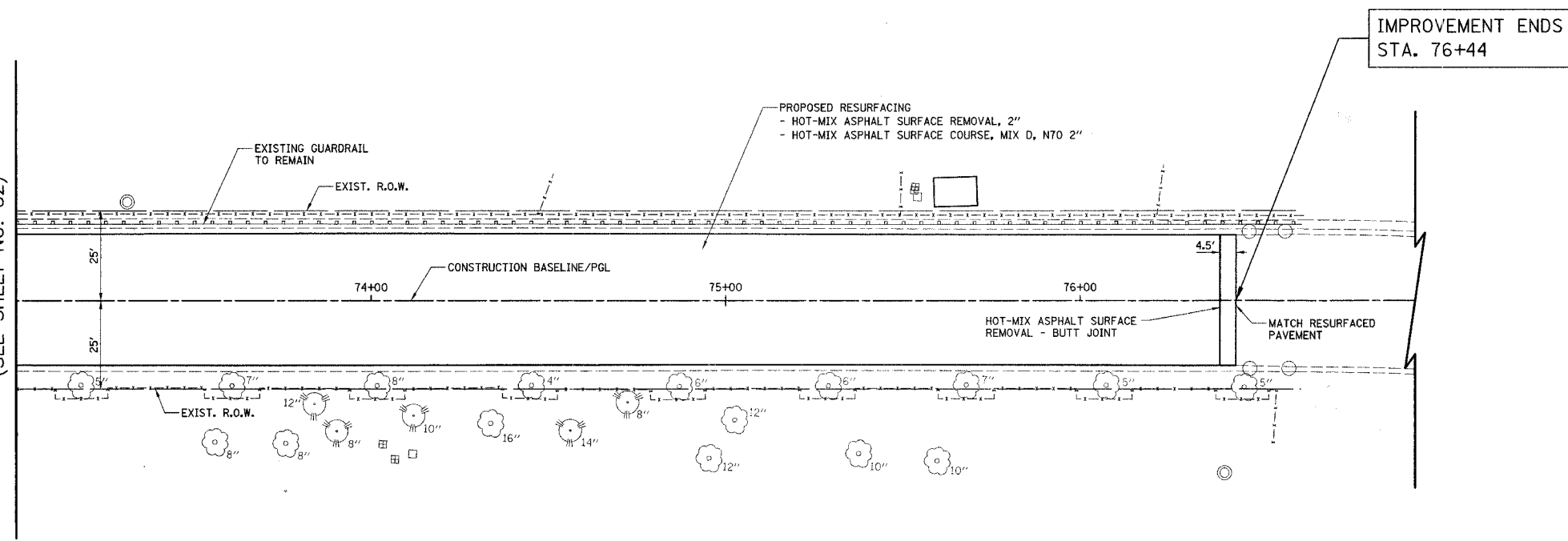
HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRJ

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	33
STA. 73+00		TO STA. 76+44		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80031512				



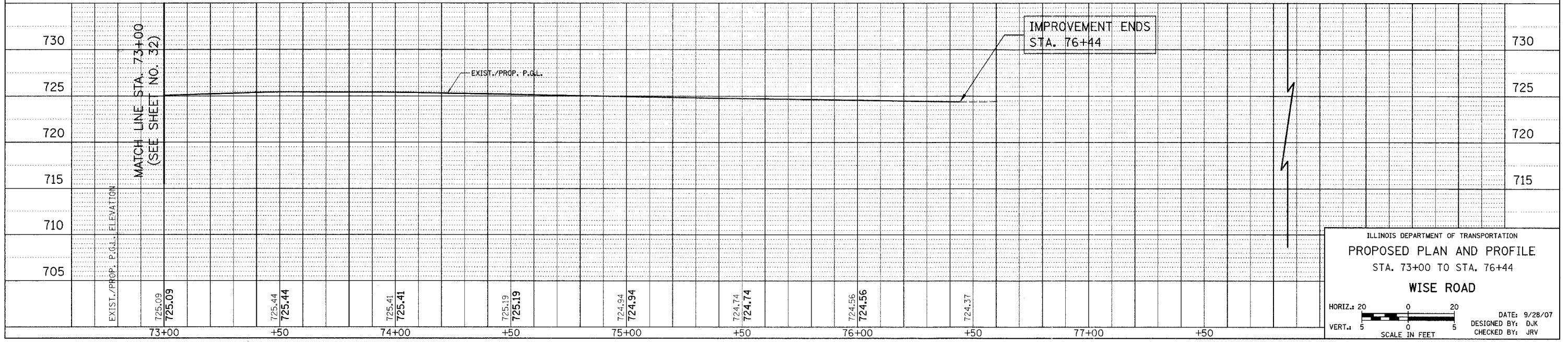
MATCH LINE STA. 73+00
(SEE SHEET NO. 32)



LEGEND



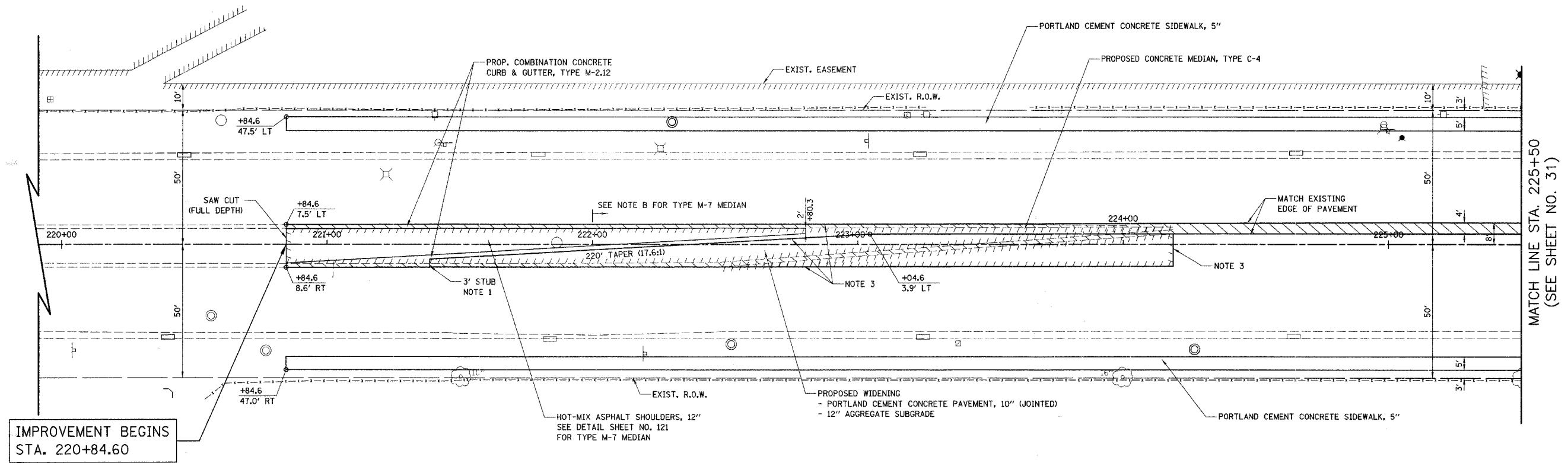
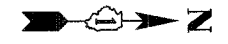
WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 73+00 TO STA. 76+44
WISE ROAD

HORIZ. 1" = 20'
 VERT. 1" = 5'
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: D.J.K.
 CHECKED BY: J.R.V.



IMPROVEMENT BEGINS
STA. 220+84.60

MATCH LINE STA. 225+50
(SEE SHEET NO. 31)

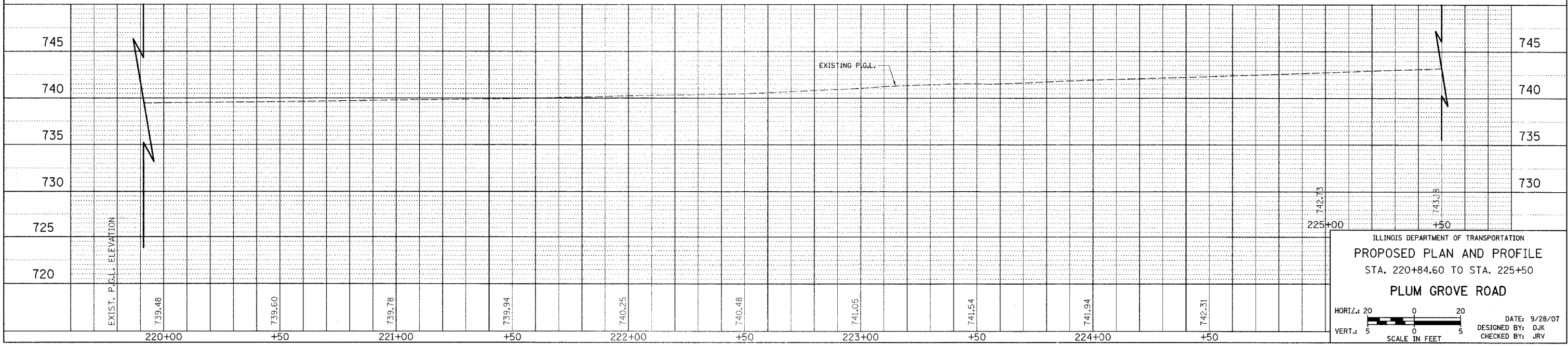
LEGEND



NOTES:

1. ADDITIONAL GUTTER WIDTH FOR STUB SHALL BE INCLUDED IN COST OF "COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12".
2. ADDITIONAL WIDTH FOR STUB SHALL BE INCLUDED IN COST OF "CONCRETE MEDIAN, TYPE C-4".
3. SEE TYPICAL SECTIONS AND CCHD DETAIL (SHEET NO. 122) FOR LOCATIONS OF PROPOSED TIE BARS.

PLUM GROVE ROAD

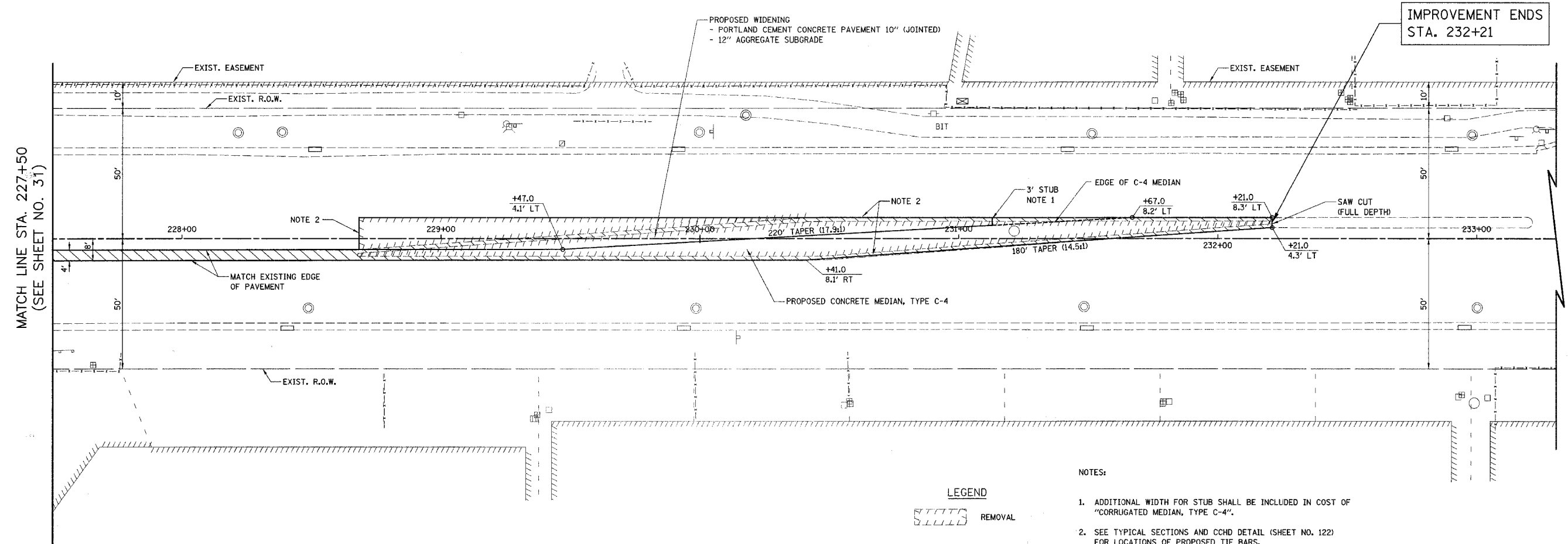
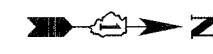


ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 220+84.60 TO STA. 225+50
PLUM GROVE ROAD

HORIZ.: 20' SCALE IN FEET
 VERT.: 5' SCALE IN FEET

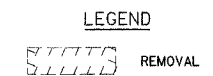
DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	35
STA. 227+50		TO STA. 232+21		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT W-800345121				

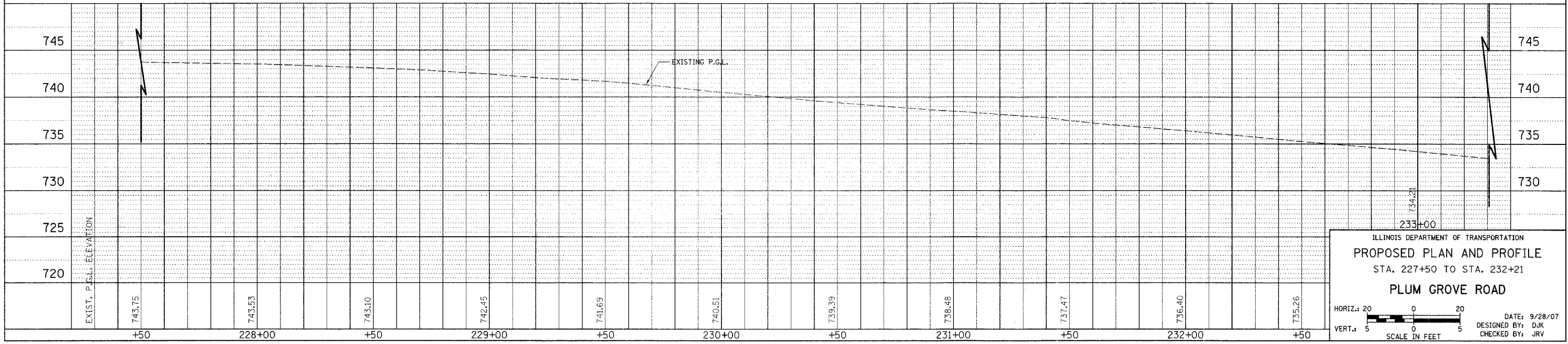


NOTES:

1. ADDITIONAL WIDTH FOR STUB SHALL BE INCLUDED IN COST OF "CORRUGATED MEDIAN, TYPE C-4".
2. SEE TYPICAL SECTIONS AND CCHD DETAIL (SHEET NO. 122) FOR LOCATIONS OF PROPOSED TIE BARS.



PLUM GROVE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PLAN AND PROFILE
 STA. 227+50 TO STA. 232+21
PLUM GROVE ROAD

HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRJ

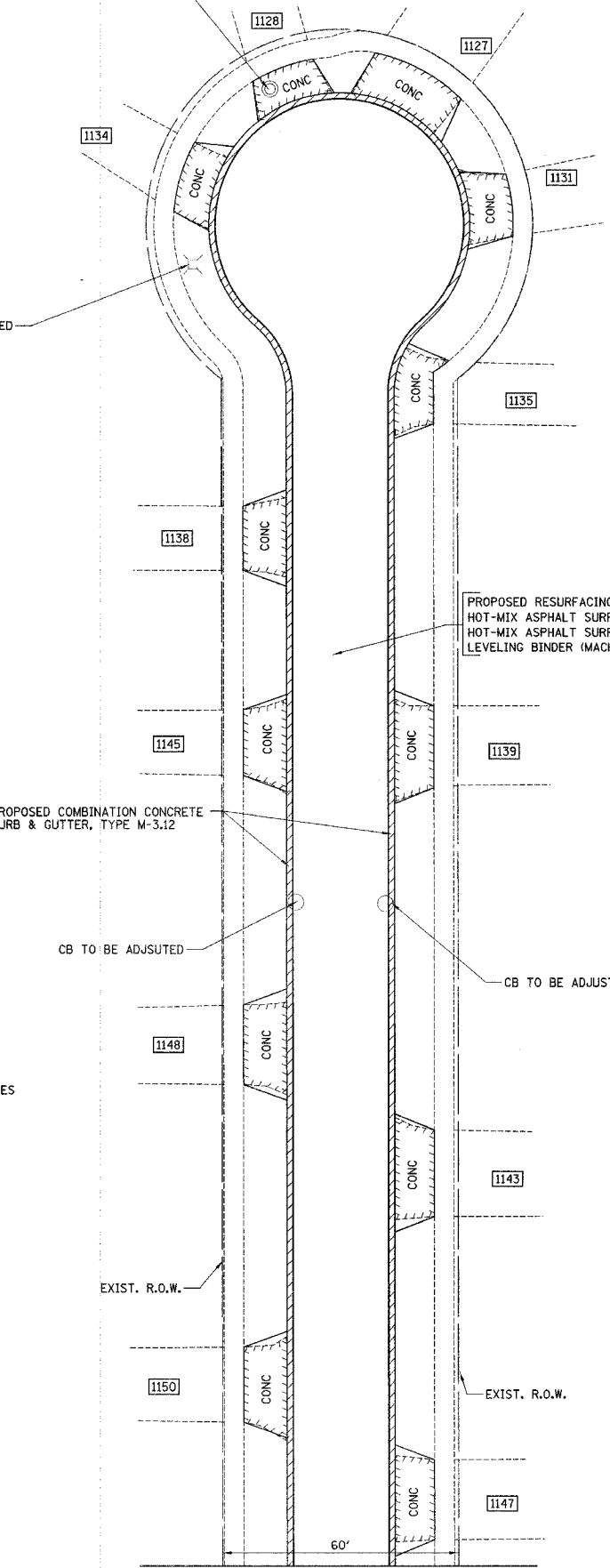
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	36
STA.	TO STA.			
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT M-8003(512)				

NOTES:

1. LINEWORK FOR WORK ON THE CUL-DE-SACS IS BASED ON AERIAL IMAGES. THE CONTRACTOR SHALL CONFIRM ACTUAL DIMENSIONS PRIOR TO STARTING WORK.
2. REMOVE AND REPLACE SIDEWALK AS DIRECTED BY THE ENGINEER. QUANTITIES FOR "SIDEWALK REMOVAL" AND "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL" HAVE BEEN INCLUDED BASED ON FIELD CHECKS OF THE CUL-DE-SACS.
3. UPON THE COMPLETION OF THE HOT-MIX ASPHALT SURFACE REMOVAL, THE ENGINEER WILL DETERMINE THE LIMITS OF THE REQUIRED PATCHING. THE PROPOSED PATCHES SHALL BE PAID FOR AS CLASS D PATCH, 6" OF THE TYPE REQUIRED.
4. INSTALL INLET FILTERS IN ALL OPEN GRATED STRUCTURES.
5. PARKWAYS SHALL BE RESTORED WITH TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT.

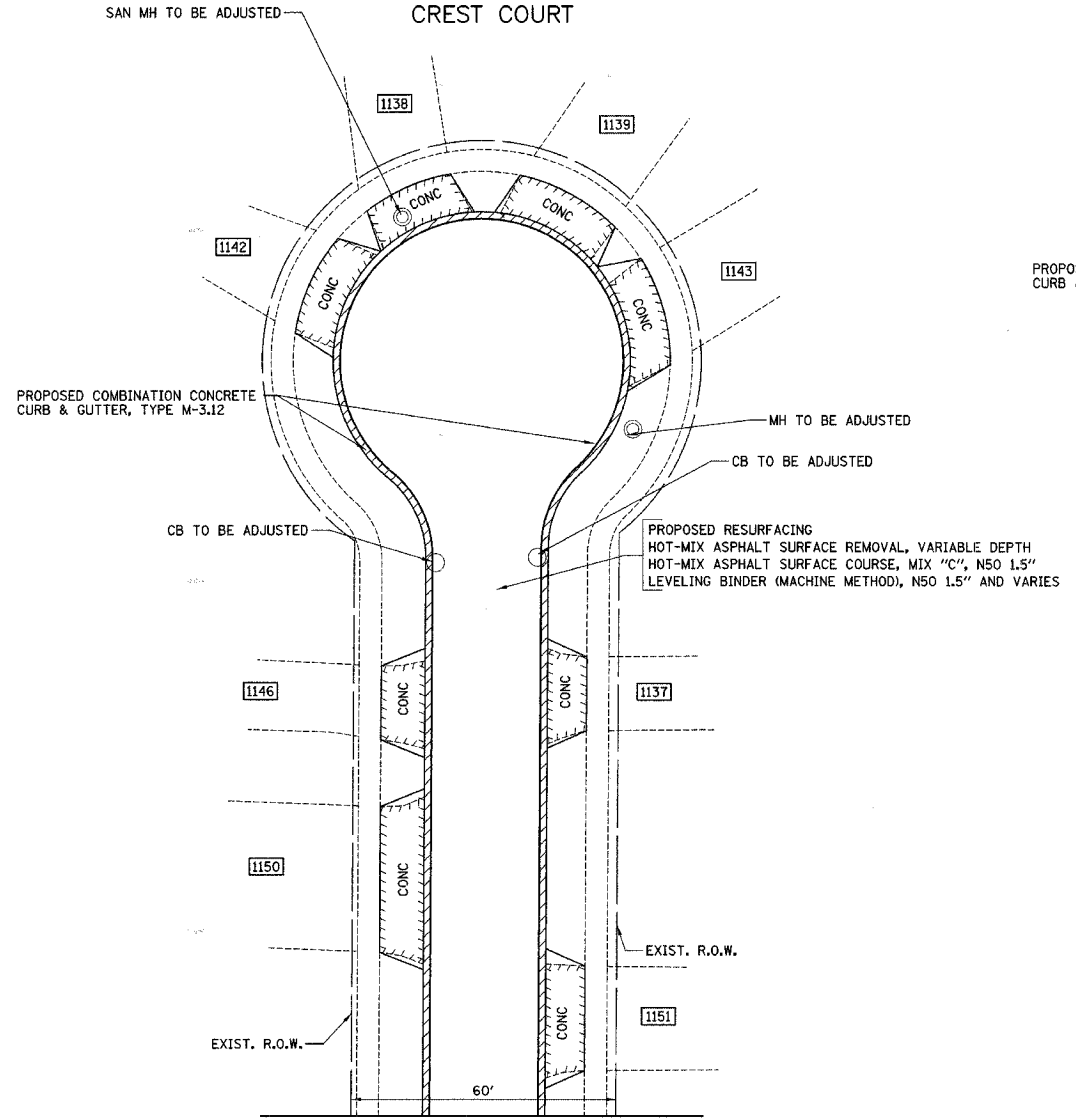


JAMESTOWN COURT



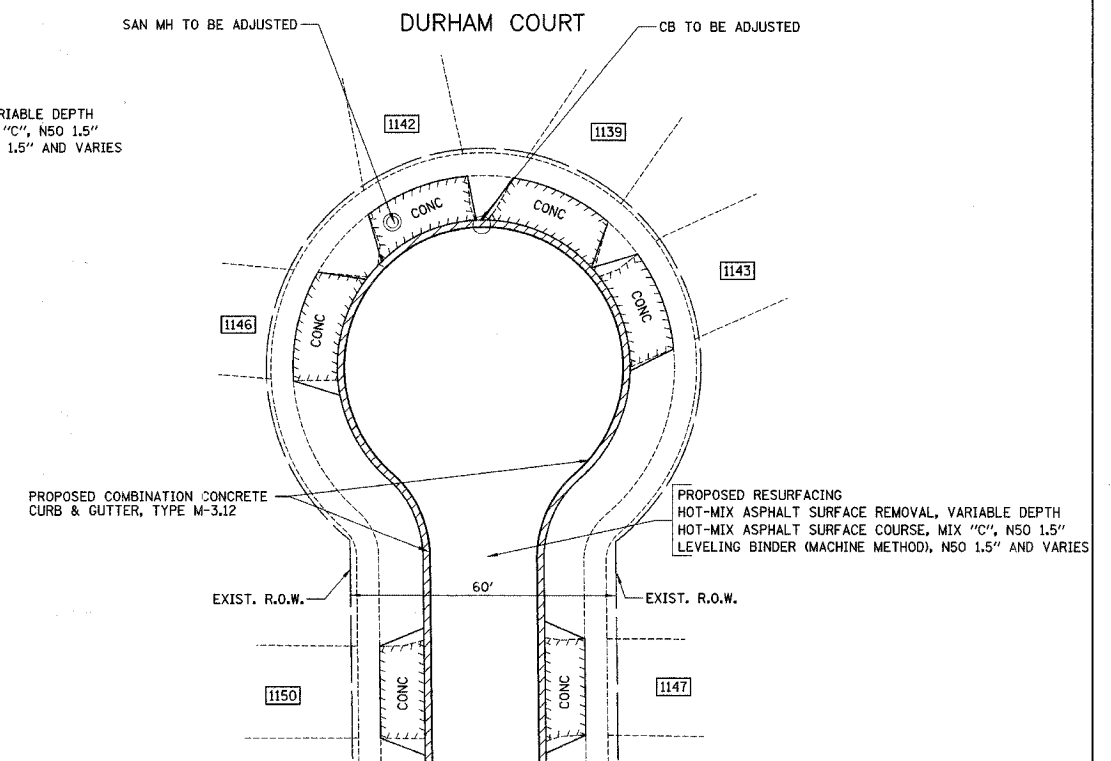
MATCH LINE - JAMESTOWN COURT
(SEE SHEET NO. 25)

CREST COURT



MATCH LINE - CREST COURT
(SEE SHEET NO. 25)

DURHAM COURT



MATCH LINE - DURHAM COURT
(SEE SHEET NO. 26)

LEGEND

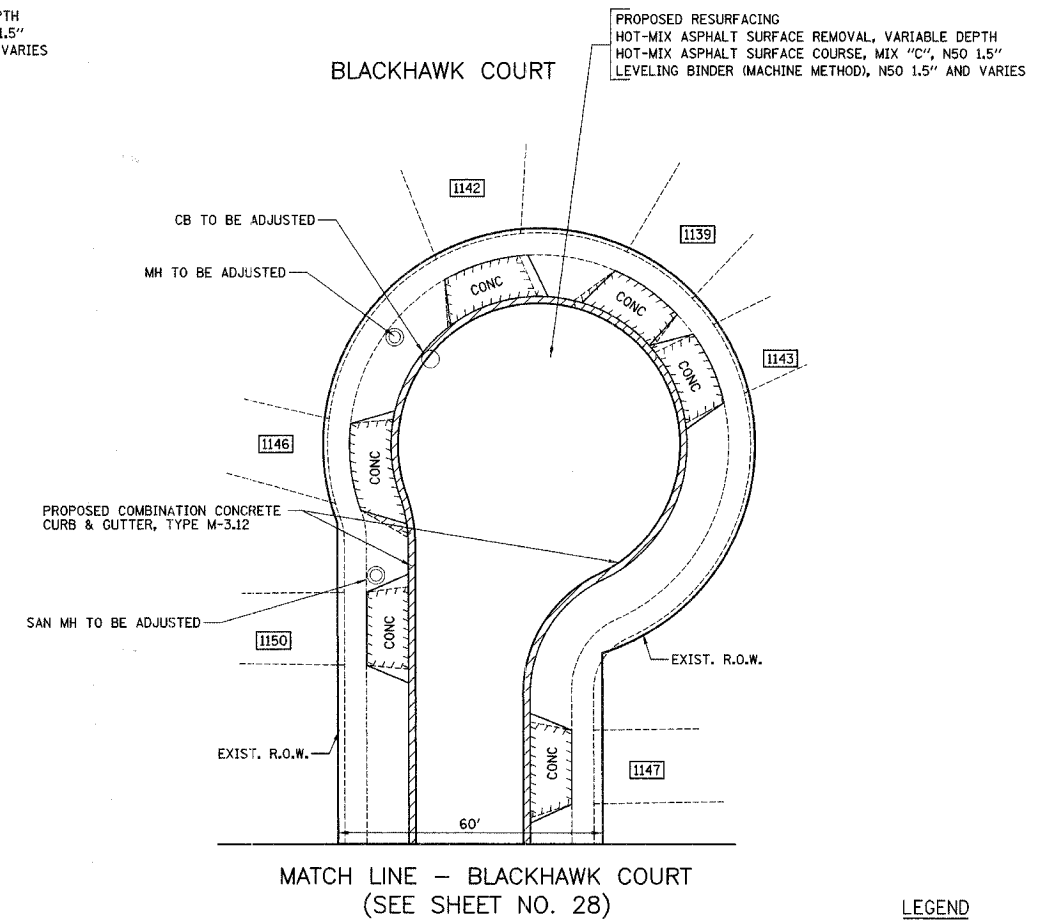
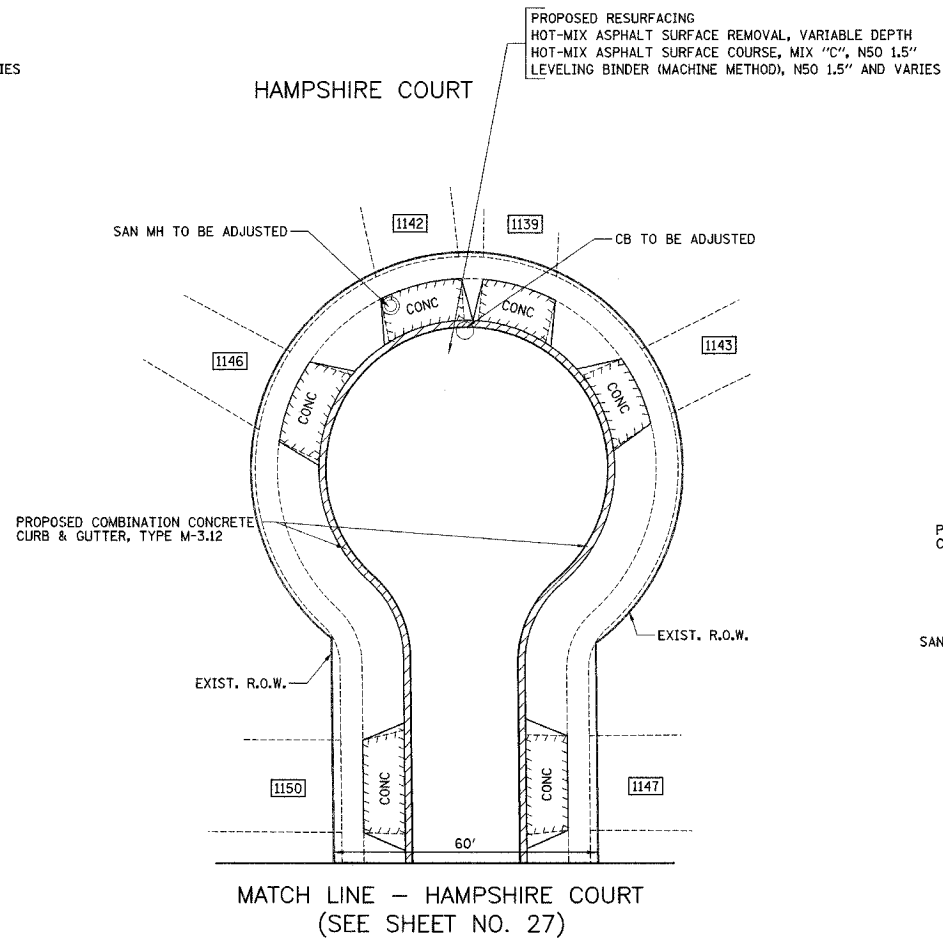
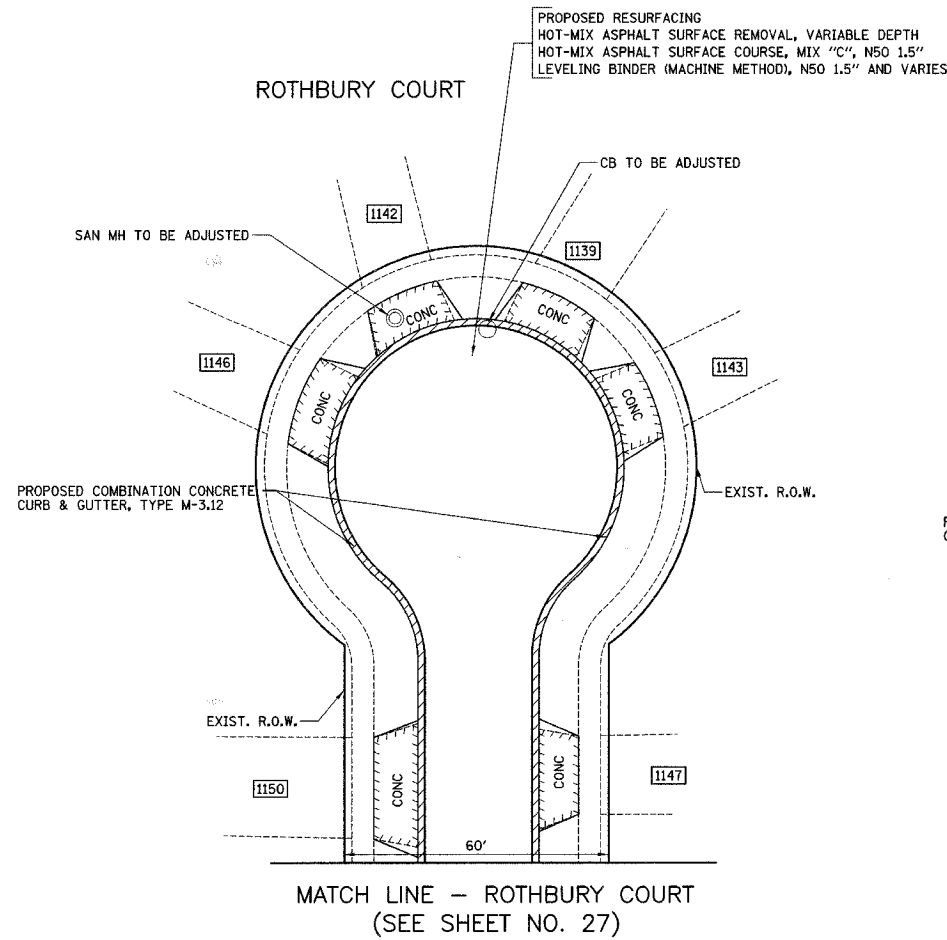
REMOVAL

ILLINOIS DEPARTMENT OF TRANSPORTATION
CUL-DE-SAC IMPROVEMENT PLAN
CREST COURT / JAMESTOWN COURT /
DURHAM COURT

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

SCALE IN FEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	37
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(S12)				



LEGEND
 REMOVAL

SCHEDULE OF CUL-DE-SAC QUANTITIES

CODED PAY ITEM NO.	ITEM	UNIT	CREST COURT	JAMESTOWN COURT	DURHAM COURT	ROTHBURY COURT	HAMPSHIRE COURT	BLACKHAWK COURT
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQYD	353	726	262	270	287	283
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	9	3	3	4	4
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4	9	3	3	4	4
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4	9	3	3	4	4
25200110	SODDING SALT TOLERANT	SQYD	353	726	262	270	287	283
25200200	SUPPLEMENTAL WATERING	UNIT	5	11	4	4	5	5
28000510	INLET FILTERS	EACH	2	2	1	1	1	1
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQYD	137	241	89	90	89	91
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	78	126	54	55	55	57
40600300	AGGREGATE (PRIME COAT)	TON	1	1	0.5	0.5	0.5	0.5
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	87	141	60	62	62	64
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQYD	12	12	12	12	12	12
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	65	106	45	46	46	48
42001300	PROTECTIVE COAT	SQYD	451	589	316	265	302	263
42300700	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH, SPECIAL	SQYD	212	307	165	138	135	129
42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SOFT	1238	935	770	550	910	605
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQYD	772	1254	535	547	547	568
44000200	DRIVEWAY PAVEMENT REMOVAL	SQYD	194	282	153	128	123	123
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	475	839	308	311	310	315
44000600	SIDEWALK REMOVAL	SOFT	1238	935	770	550	910	605
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQYD	78	126	54	55	55	57
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQYD	78	126	54	55	55	57
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQYD	772	1254	535	547	547	568

CODED PAY ITEM NO.	ITEM	UNIT	CREST COURT	JAMESTOWN COURT	DURHAM COURT	ROTHBURY COURT	HAMPSHIRE COURT	BLACKHAWK COURT
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	8	12	6	6	6	6
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2	1	1	1	1
60255500	MANHOLES TO BE ADJUSTED	EACH	1	0	0	0	0	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	0	1	0	0	0	0
XX005656	INLET FILTER CLEANING	EACH	4	4	2	2	2	2
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	1	1	1	1
	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-3.12	FOOT	475	839	308	311	310	315

NOTES:

1. LINENWORK FOR WORK ON THE CUL-DE-SACS IS BASED ON AERIAL IMAGES. THE CONTRACTOR SHALL CONFIRM ACTUAL DIMENSIONS PRIOR TO STARTING WORK.
2. REMOVE AND REPLACE SIDEWALK AS DIRECTED BY THE ENGINEER. QUANTITIES FOR "SIDEWALK REMOVAL" AND "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL" HAVE BEEN INCLUDED BASED ON FIELD CHECKS OF THE CUL-DE-SACS.
3. UPON THE COMPLETION OF THE HOT-MIX ASPHALT SURFACE REMOVAL, THE ENGINEER WILL DETERMINE THE LIMITS OF THE REQUIRED PATCHING. THE PROPOSED PATCHES SHALL BE PAID FOR AS CLASS D PATCH, 6" OF THE TYPE REQUIRED.
4. INSTALL INLET FILTERS IN ALL OPEN GRATED STRUCTURES.
5. PARKWAYS SHALL BE RESTORED WITH TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT.

ILLINOIS DEPARTMENT OF TRANSPORTATION
CUL-DE-SAC IMPROVEMENT PLAN
 ROTHBURY COURT / HAMPSHIRE COURT / BLACKHAWK COURT

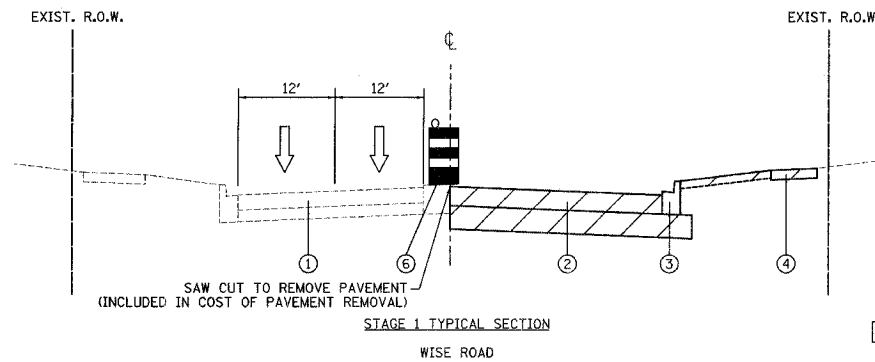
20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-0083-00-FF	COOK	167	38
M.O.T. GENERAL NOTES AND TYPICAL SECTIONS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

STAGE 1 (SOUTH SIDE OF WISE ROAD - ROSELLE ROAD TO INDIAN HILL DRIVE)

1. IMPLEMENT DETOUR ROUTE FOR EASTBOUND TRAFFIC AS SHOWN ON SHEET NO. 47.
3. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS AND BARRICADES.
4. CLOSE EXISTING SIDEWALK ON SOUTH SIDE OF WISE ROAD BETWEEN ROSELLE ROAD AND INDIAN HILL DRIVE IN ACCORDANCE WITH IDOT STANDARD 701801-03.
5. REMOVE EXISTING PAVEMENT, CURB AND GUTTER, AND DRIVEWAYS.
6. CONSTRUCT STORM SEWER LATERALS ACROSS WISE ROAD ALONG THE SOUTH SIDE OF WISE ROAD BETWEEN ROSELLE ROAD AND INDIAN HILL DRIVE. DAILY LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARD 701501 SHALL BE ALLOWED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM. TRENCHES SHALL NOT BE LEFT IN STONE OVERNIGHT. THE CONTRACTOR SHALL CONSTRUCT, REPAIR AND MAINTAIN THE TRENCHES WITH CLASS D PATCHES, 6 INCH.
7. CONSTRUCT CURB AND GUTTER WEST OF STA. 12+55, PAVEMENT (EXCEPT SURFACE COURSE), ENTRANCES WEST OF STA. 12+25, AND SIDEWALK WEST OF STA. 12+25.
8. END USE OF EASTBOUND DETOUR.



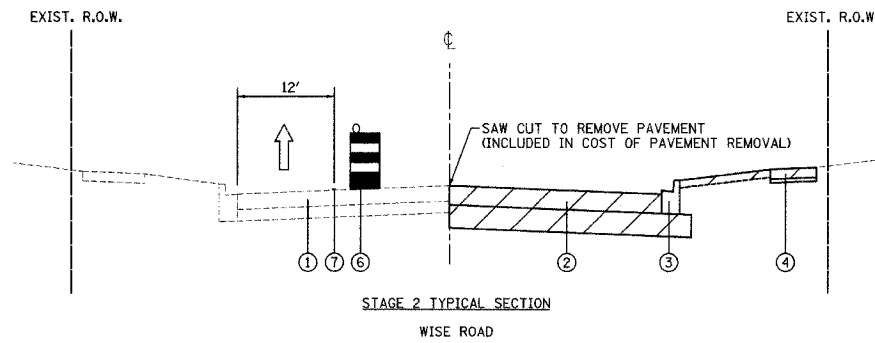
- LEGEND**
- ① EXISTING PAVEMENT
 - ② PROPOSED PAVEMENT
 - ③ PROPOSED COMB. CONCRETE CURB & GUTTER
 - ④ PROPOSED SIDEWALK
 - ⑤ PROPOSED BIKEPATH
 - ⑥ TYPE II BARRICADES OR DRUMS WITH MONO DIRECTIONAL STEADY BURN LIGHT
 - ⑦ TEMPORARY PAINT PAVEMENT MARKING - LINE 4"
- CONSTRUCTION WORK ZONE
- ↑ TRAFFIC FLOW

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
4. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
5. BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 702001.
6. ALL BARRICADES OR DRUMS AT LANE DIVERSIONS WITHIN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS.
7. BARRICADES OR DRUMS EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 25' ALONG TAPERS AND 10' AROUND RADII.
8. DRUMS SHALL HAVE ALTERNATING REFLECTORIZED TYPE AA OR TYPE AP FLUORESCENT ORANGE AND REFLECTORIZED WHITE HORIZONTAL, CIRCUMFERENTIAL STRIPES.
9. DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE SPECIAL PROVISION "WORK ZONE TRAFFIC CONTROL DEVICES".
10. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 702001-06 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
11. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
12. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER. ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
13. THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
14. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
15. TEMPORARY LANE CLOSURES WILL BE ALLOWED ONLY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M., WITH TRAFFIC MAINTAINED IN ACCORDANCE WITH STANDARD 701421-01 OR 701501-03 UNLESS OTHERWISE DIRECTED BY THE ENGINEER. FULL CLOSURE OF WISE ROAD WILL NOT BE ALLOWED.
16. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.

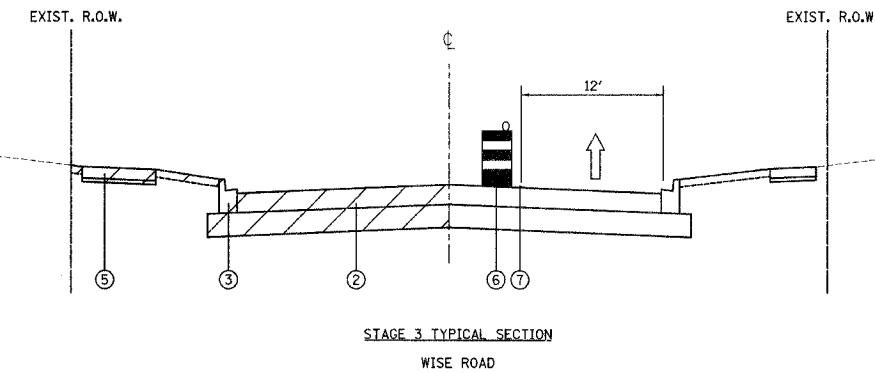
STAGE 2 (SOUTH SIDE OF WISE ROAD - INDIAN HILL DRIVE TO PLUM GROVE ROAD)

1. IMPLEMENT DETOUR ROUTE FOR WESTBOUND TRAFFIC AS SHOWN ON SHEET NO. 48. INSTALL TRAFFIC CONTROL TO ESTABLISH ONE-WAY TRAFFIC FLOW (EASTBOUND) ALONG THE NORTH SIDE OF WISE ROAD. A MINIMUM OF ONE 12' THRU LANE SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
2. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
3. CLOSE EXISTING SIDEWALKS ON SOUTH SIDE OF WISE ROAD IN ACCORDANCE WITH IDOT STANDARD 701801-03.
4. REMOVE EXISTING PAVEMENT, CURB AND GUTTER, AND DRIVEWAYS.
5. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES ALONG THE SOUTH SIDE OF WISE ROAD. THE CONTRACTOR SHALL ENSURE THAT DRAINAGE OF THE PAVEMENT HAS BEEN PROVIDED THROUGHOUT CONSTRUCTION. PROPOSED STORM SEWER LATERALS HAVE BEEN SHOWN TO BE CONSTRUCTED ACROSS THE ENTIRE PAVEMENT IN ONE OPERATION. DAILY LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARD 701501 SHALL BE ALLOWED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM. TRENCHES SHALL NOT BE LEFT IN STONE OVERNIGHT. THE CONTRACTOR SHALL CONSTRUCT, REPAIR AND MAINTAIN THE TRENCHES WITH CLASS D PATCHES, 6 INCH.
6. CONSTRUCT ALL CURB AND GUTTER, PAVEMENT (EXCEPT SURFACE COURSE), SIDEWALKS, AND ENTRANCES.
7. CONSTRUCT ALL CURB AND GUTTER, PAVEMENT, AND SIDEWALKS ON THE NORTH SIDE OF WISE ROAD AT SUMMIT DRIVE FROM STA. 35+50 TO STA. 37+50.
8. PLACE TOPSOIL AND SOD.



STAGE 3 (NORTH SIDE OF WISE ROAD - ROSELLE ROAD TO PLUM GROVE ROAD, CUL-DE-SACS AND PLUM GROVE ROAD)

1. INSTALL TRAFFIC CONTROL TO ESTABLISH ONE-WAY TRAFFIC FLOW (EASTBOUND) ALONG THE SOUTH SIDE OF WISE ROAD. A MINIMUM OF ONE 12' THRU LANE SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
2. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
3. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS AND BARRICADES. SHIFT TRAFFIC AS INDICATED.
4. CLOSE EXISTING BIKE PATHS ON NORTH SIDE OF WISE ROAD IN ACCORDANCE WITH IDOT STANDARD 701801-03.
5. REMOVE EXISTING PAVEMENT, CURB AND GUTTER, AND DRIVEWAYS.
6. CONSTRUCT REMAINING STORM SEWERS AND DRAINAGE STRUCTURES ALONG THE NORTH SIDE OF WISE ROAD.
7. CONSTRUCT ALL CURB AND GUTTER, PAVEMENT (EXCEPT SURFACE COURSE), BIKE PATHS, BRICK PAVERS AND DRIVEWAYS.
8. CONSTRUCTION ON THE CUL-DE-SACS SHALL NOT BEGIN UNTIL THE NORTH SIDE OF WISE ROAD HAS BEEN CONSTRUCTED UP TO BINDER TO ALLOW FOR RESIDENT PARKING ON THE NORTH SIDE OF WISE ROAD WITHIN THE WORK ZONE.
9. CONSTRUCT SIDEWALK AND MEDIANS ON PLUM GROVE ROAD USING DAILY LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARD 701421-01 AND 701701-04.
10. PLACE TOPSOIL AND SOD.
11. MILL SURFACE ON WISE ROAD EAST OF PLUM GROVE ROAD.
12. PLACE SURFACE COURSE ALONG ENTIRE LENGTH OF PROJECT USING DAILY LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARD 701501-03.
13. PLACE PERMANENT PAVEMENT MARKINGS ALONG ENTIRE LENGTH OF PROJECT.
14. END USE OF WESTBOUND DETOUR.
15. INSTALL AND ACTIVATE PERMANENT SIGNALS AT PLUM GROVE ROAD.
16. INSTALL LANDSCAPING.



DRIVEWAY ACCESS NOTES

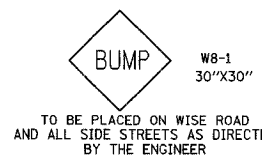
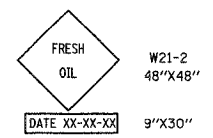
MAINTAINING ACCESS TO DRIVEWAYS ALONG WISE ROAD AND THE SIDE STREETS IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING THE CONSTRUCTION OF THE TWO JEWEL DRIVEWAYS. THE CONTRACTOR SHALL FOLLOW THESE PROCEDURES TO ENSURE PROPER DRIVEWAY ACCESS:

1. THE CONTRACTOR SHALL WORK WITH BUSINESS OWNERS TO DETERMINE DRIVEWAY RECONSTRUCTION SCHEDULING. ALL DRIVEWAY CLOSURES SHALL BE APPROVED BY THE ENGINEER.
2. THE COST OF PLACING, MAINTAINING AND REMOVING TEMPORARY DRIVES SHALL BE INCLUDED IN THE COST OF "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" AND "TEMPORARY ACCESS (PRIVATE ENTRANCE)".
3. A 4" PVC DRAIN SHALL BE PLACED UNDER TEMPORARY DRIVES TO PROVIDE POSITIVE DRAINAGE WHEN THE ROADWAY IS EXCAVATED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "DRIVEWAY PAVEMENT REMOVAL".

SIDE STREET RECONSTRUCTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING INTERSECTION CONSTRUCTION.

1. THE SIDE STREETS MAY BE CLOSED TO ONE-WAY TRAFFIC DURING THE WORK DAY FROM 9:00 A.M. TO 3:00 P.M. THE CLOSURE SHALL CONFORM TO IDOT STANDARD 701501. AT ALL OTHER TIMES, THE SIDE STREETS MUST REMAIN OPEN TO TWO-WAY TRAFFIC. A MINIMUM 10' LANE SHALL BE PROVIDED IN EACH DIRECTION. THE COST OF THE FLAGGERS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION".
2. TRAFFIC ON AND ACCESS TO THE CROSS STREETS SHALL BE MAINTAINED THROUGH THE USE OF THE PAY ITEM "TEMPORARY ACCESS (ROAD)". THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY AGGREGATE SUCH THAT THE MAXIMUM ELEVATION DIFFERENCE BETWEEN THE TEMPORARY AGGREGATE AND THE EXISTING OR PROPOSED PAVEMENT IS LESS THAN ONE INCH.

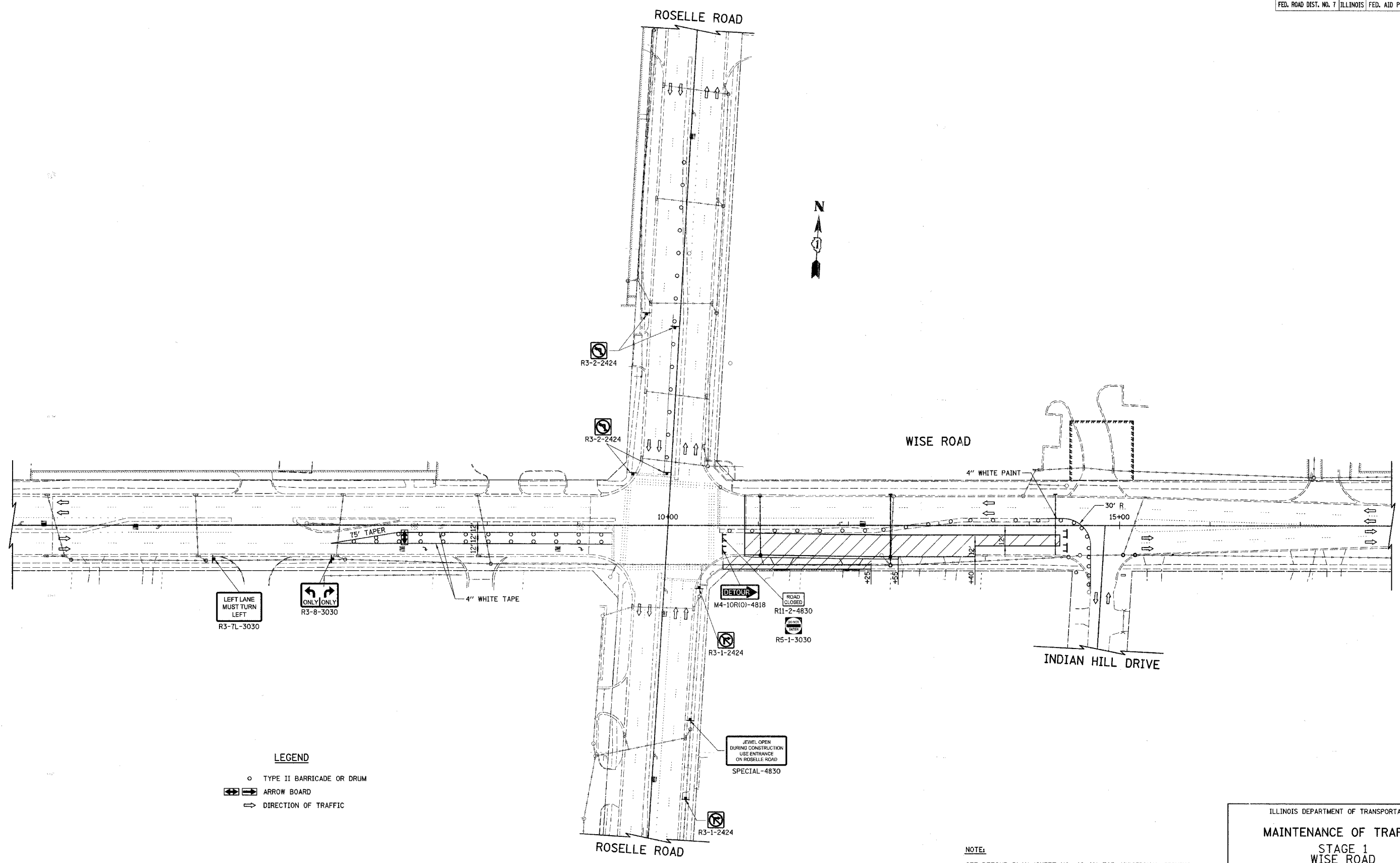


ILLINOIS DEPARTMENT OF TRANSPORTATION
M.O.T. GENERAL NOTES AND TYPICAL SECTIONS

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

NOT TO SCALE

CONTRACT NO. 83980				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	39
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



LEFT LANE MUST TURN LEFT
R3-7L-3030

ONLY ONLY
R3-8-3030

- LEGEND**
- TYPE II BARRICADE OR DRUM
 - ⇄ ARROW BOARD
 - ⇨ DIRECTION OF TRAFFIC

DETOUR
M4-10R(0)-4818

ROAD CLOSED
R11-2-4830

ROAD CLOSED
R5-1-3030

JEWEL OPEN DURING CONSTRUCTION USE ENTRANCE ON ROSELLE ROAD
SPECIAL-4830

NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

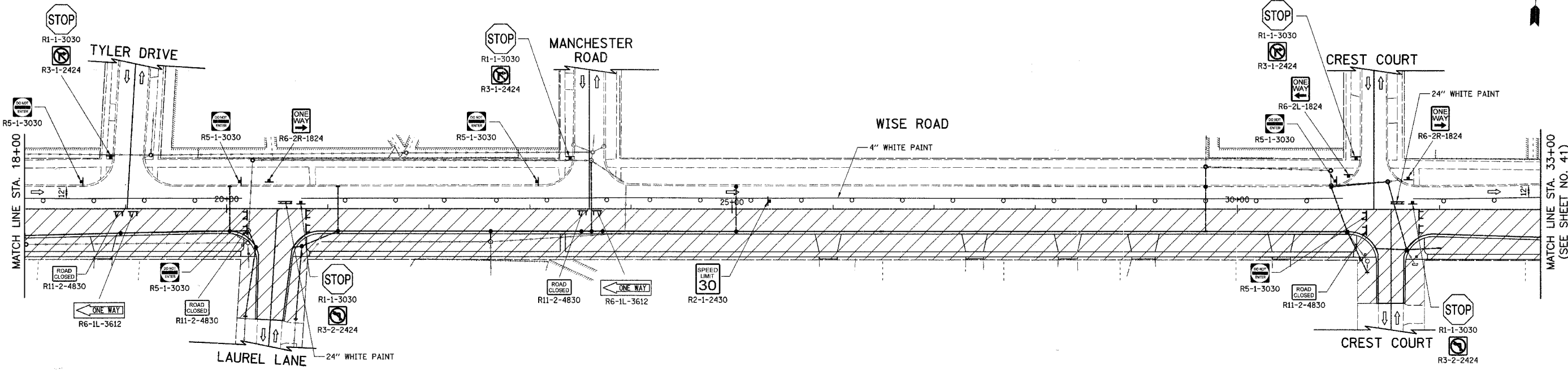
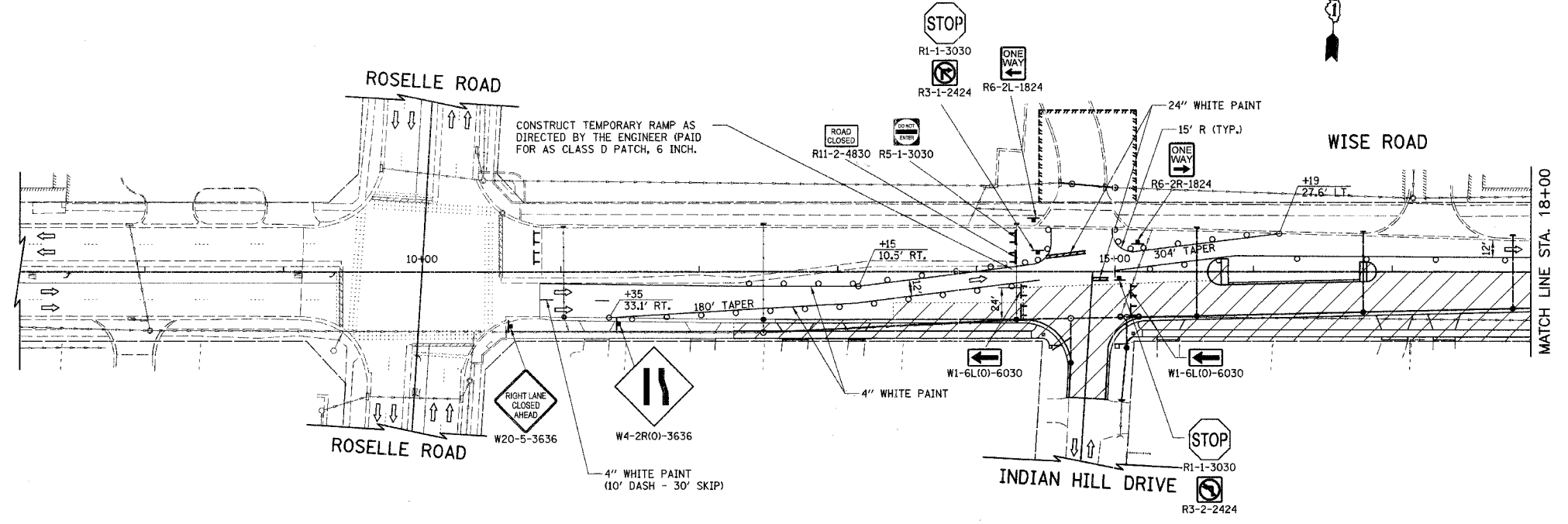
ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1
WISE ROAD

50 0 50
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	40
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



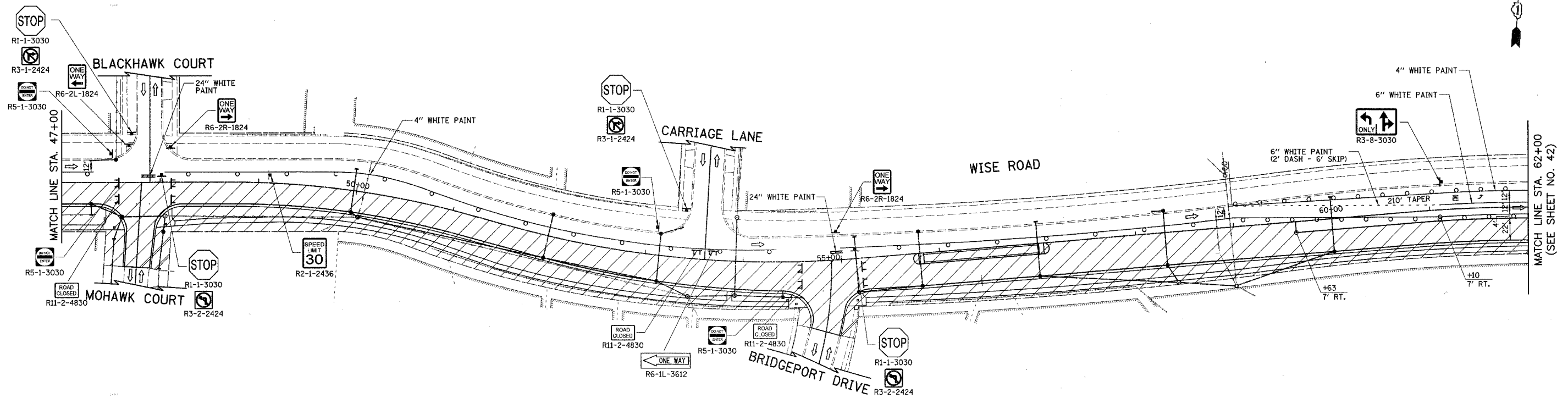
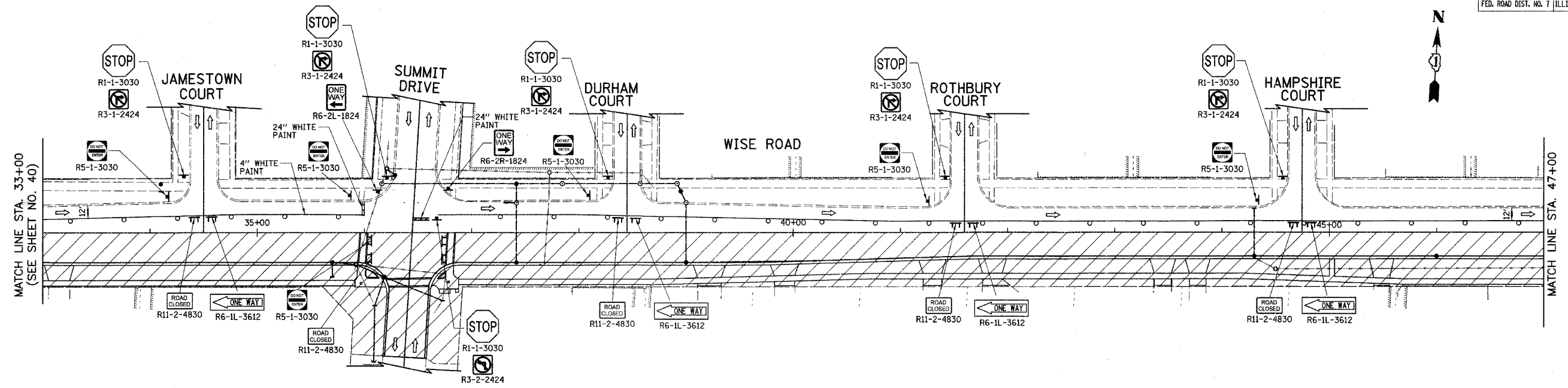
NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
STAGE 2
WISE ROAD

50 0 50
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	41
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003512				



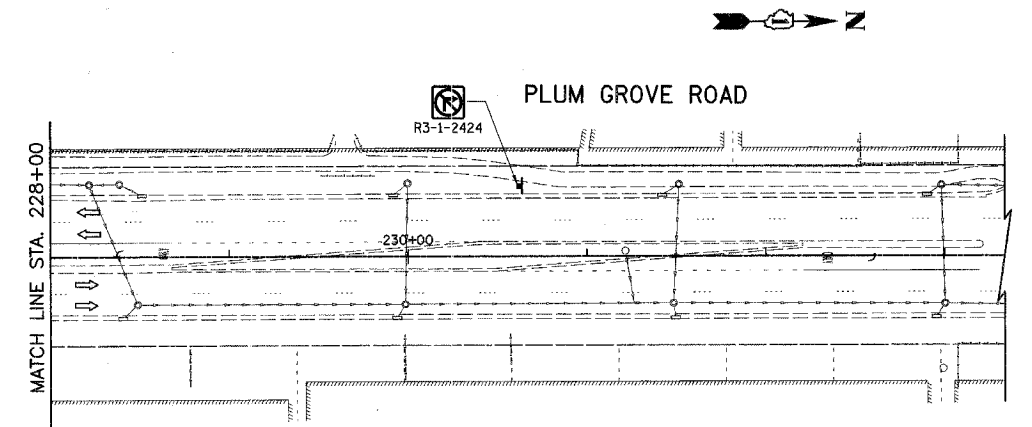
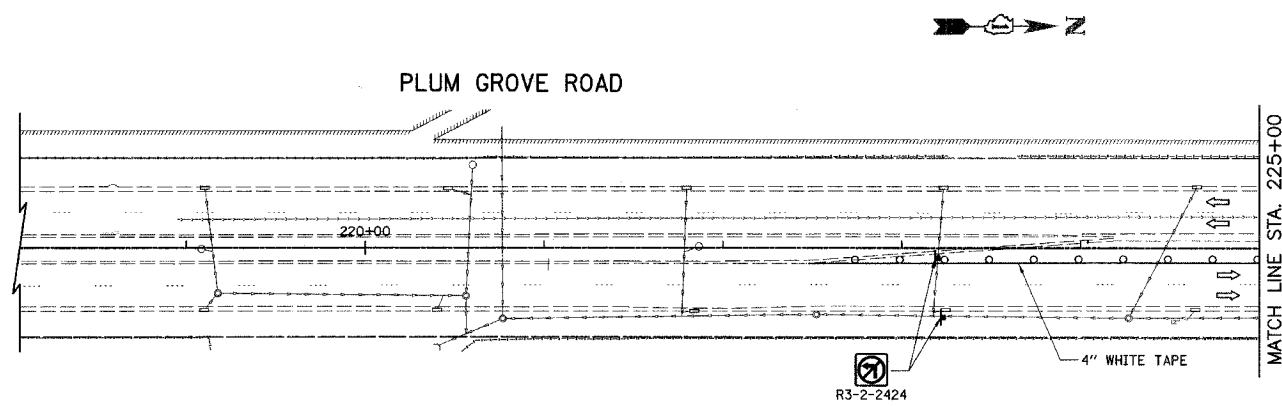
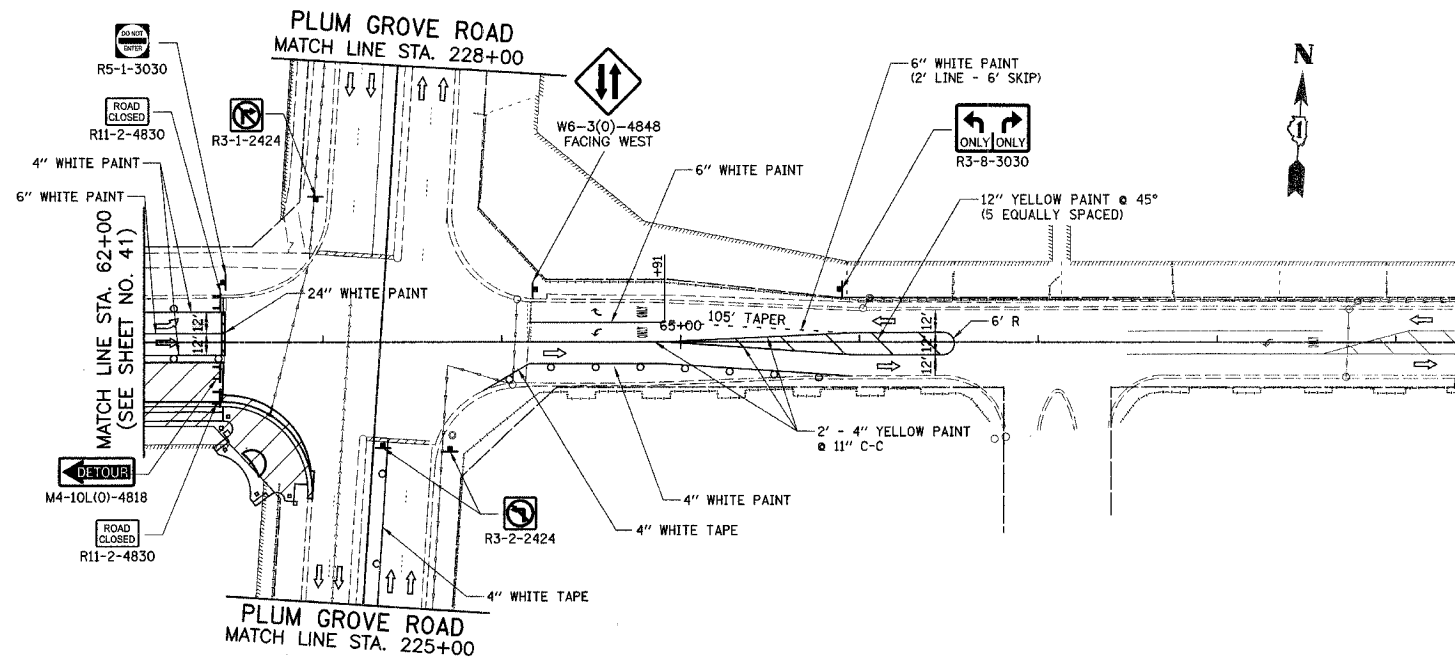
NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
STAGE 2
WISE ROAD

50 0 50
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	42
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

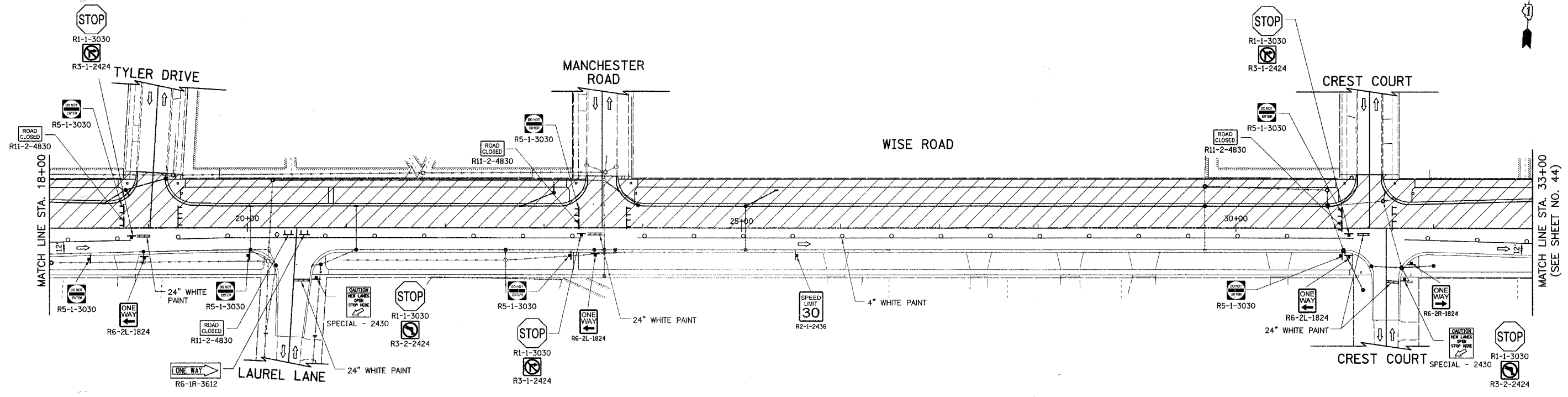
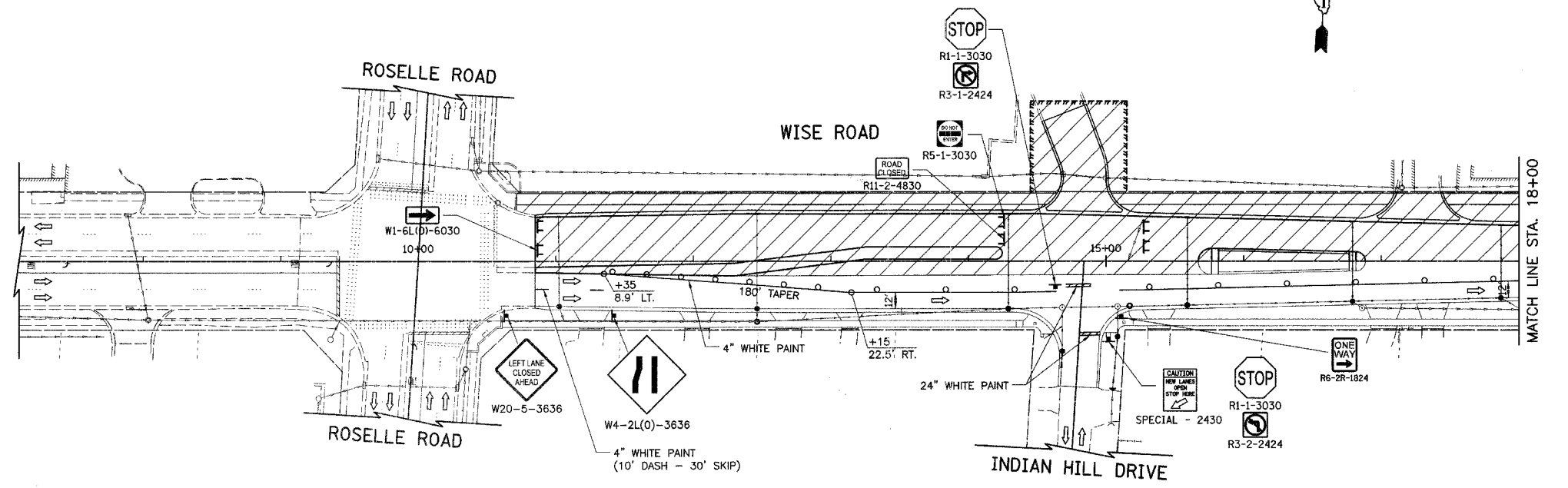
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
STAGE 2
WISE ROAD
PLUM GROVE ROAD**

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	43
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

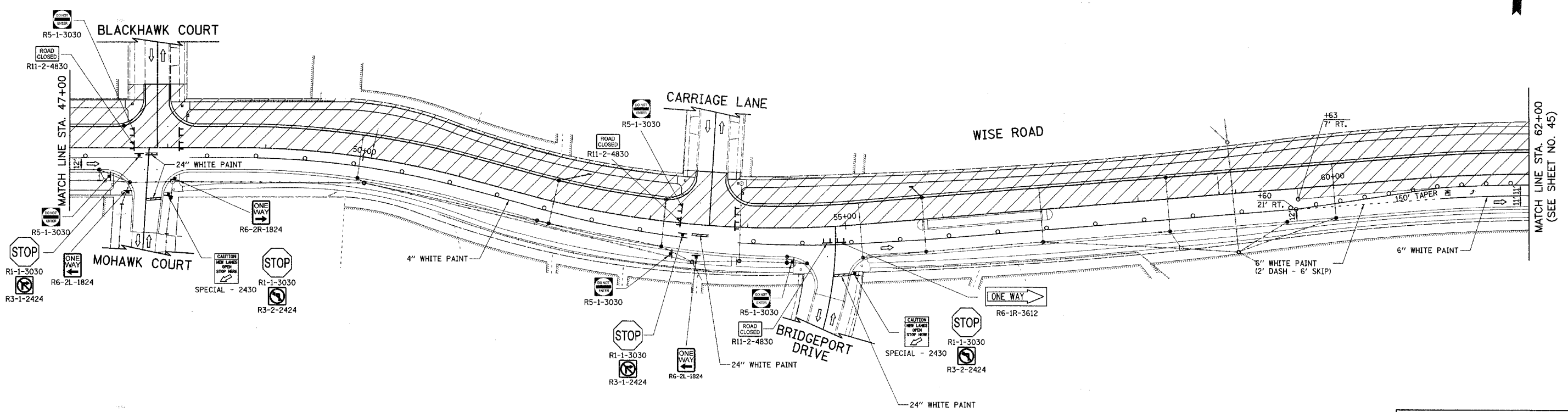
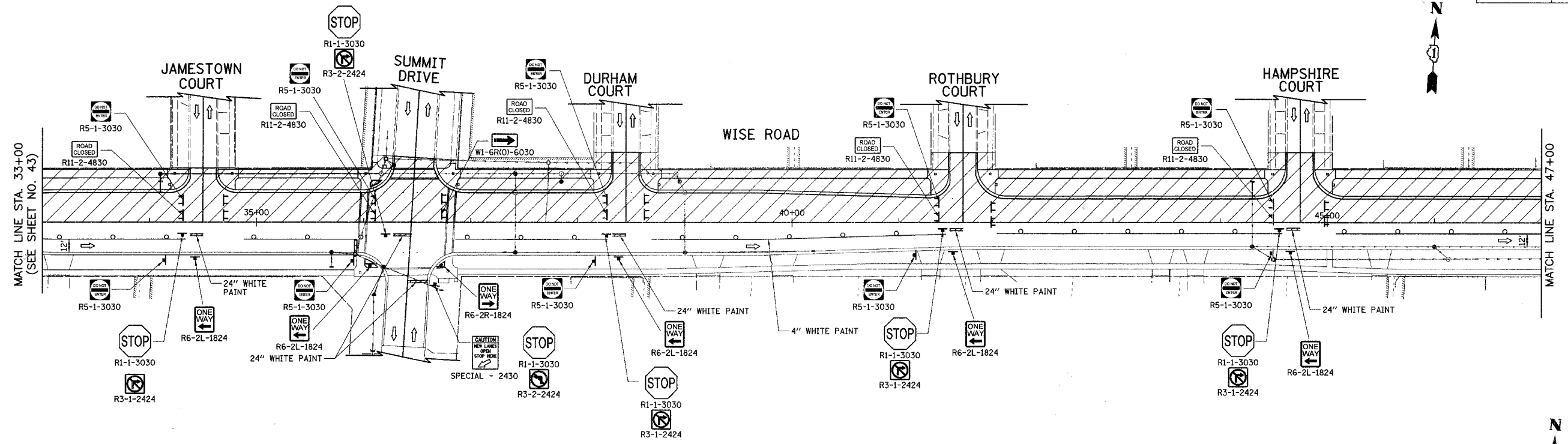
STAGE 3

WISE ROAD

50 0 50
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

CONTRACT NO. 83980			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1338	05-0083-00-FP	COOK	167 44
PAVEMENT MARKING AND SIGNING			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)			



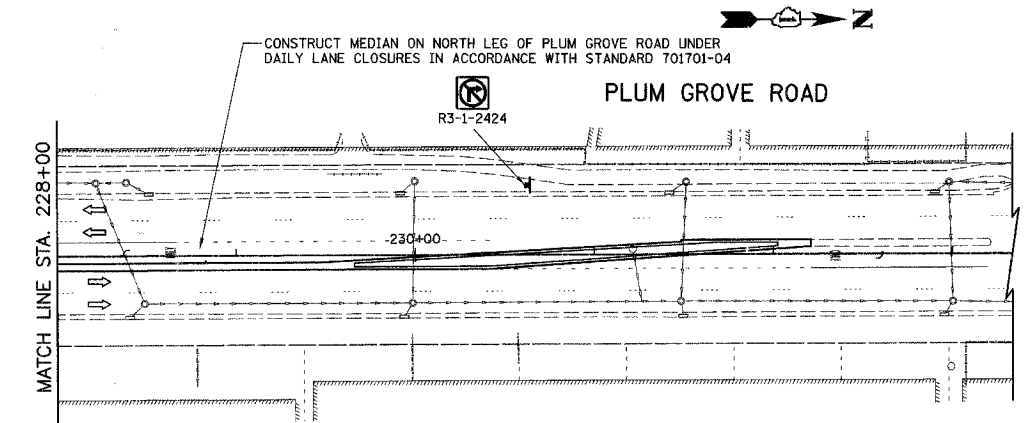
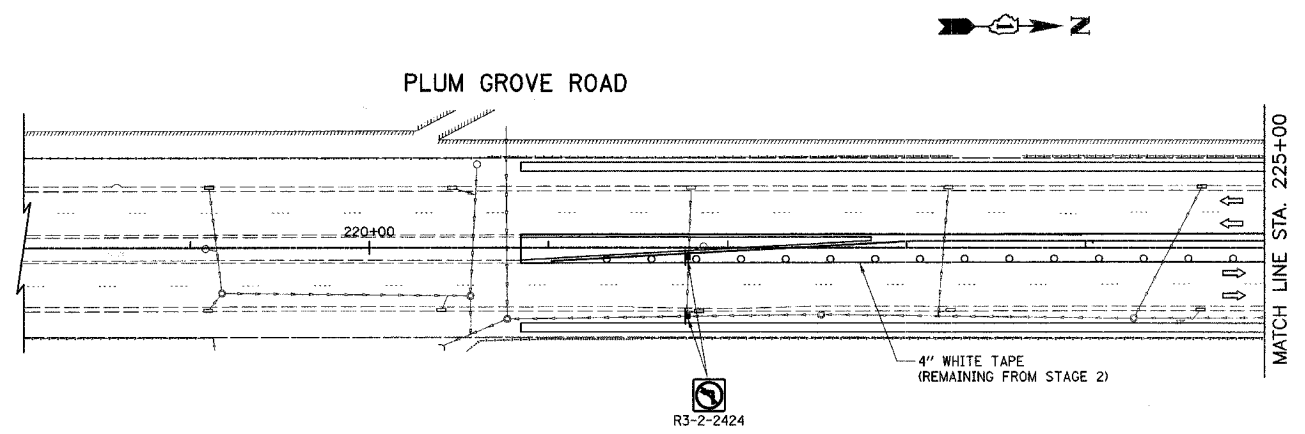
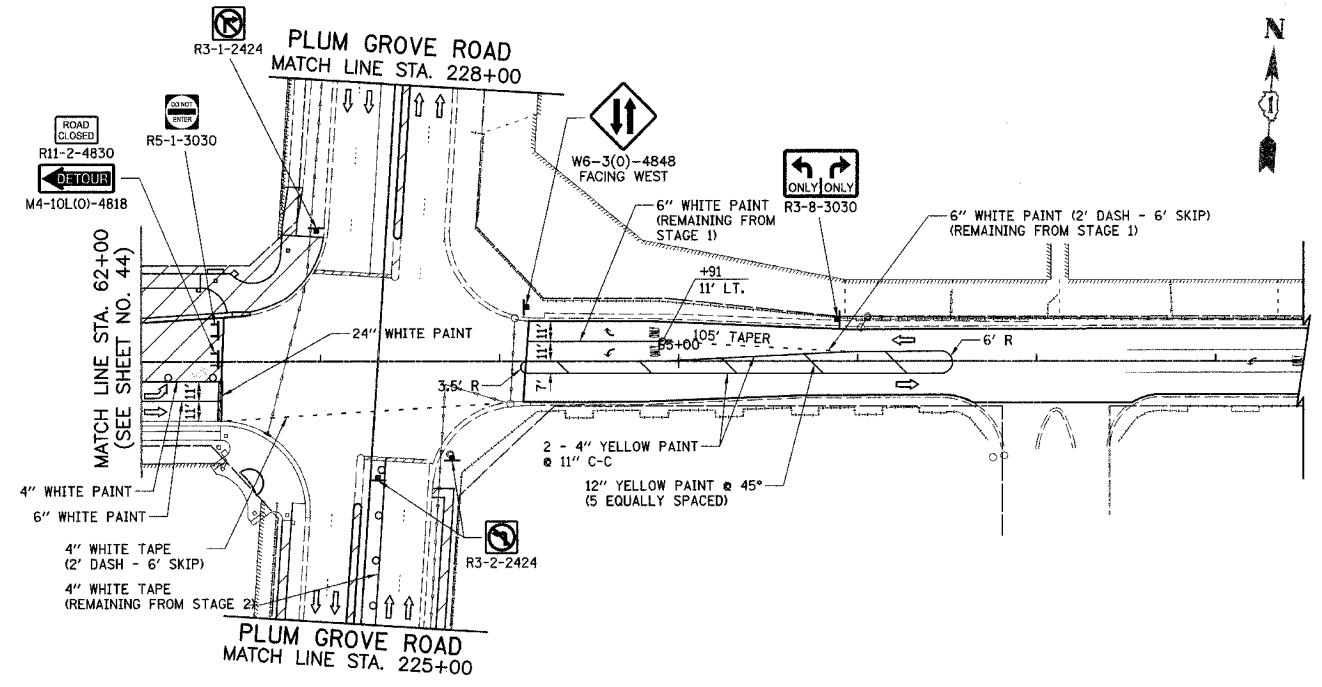
NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
 STAGE 3
 WISE ROAD

DATE: 9/28/07
 DESIGNED BY: KKK
 CHECKED BY: JRV

50 0 50
 SCALE IN FEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	45
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
SEE DETOUR PLAN (SHEET NO. 46-48) FOR ADDITIONAL SIGNING.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 3
WISE ROAD
PLUM GROVE ROAD

SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	46
DETOUR PLAN AND ADVANCE CONSTRUCTING SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

LEGEND

	SIGNALIZED INTERSECTION
	48" X 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT (NUMBER DENOTES TYPE)
	M4-9 SERIES DETOUR SIGN WITH ROAD NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)
	OTHER DETOUR SIGN (NUMBER DENOTES TYPE)
	TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
	DETOUR ROUTE
	DETOUR ROUTE DIRECTION
	SIGN POST

DETOUR GENERAL NOTES

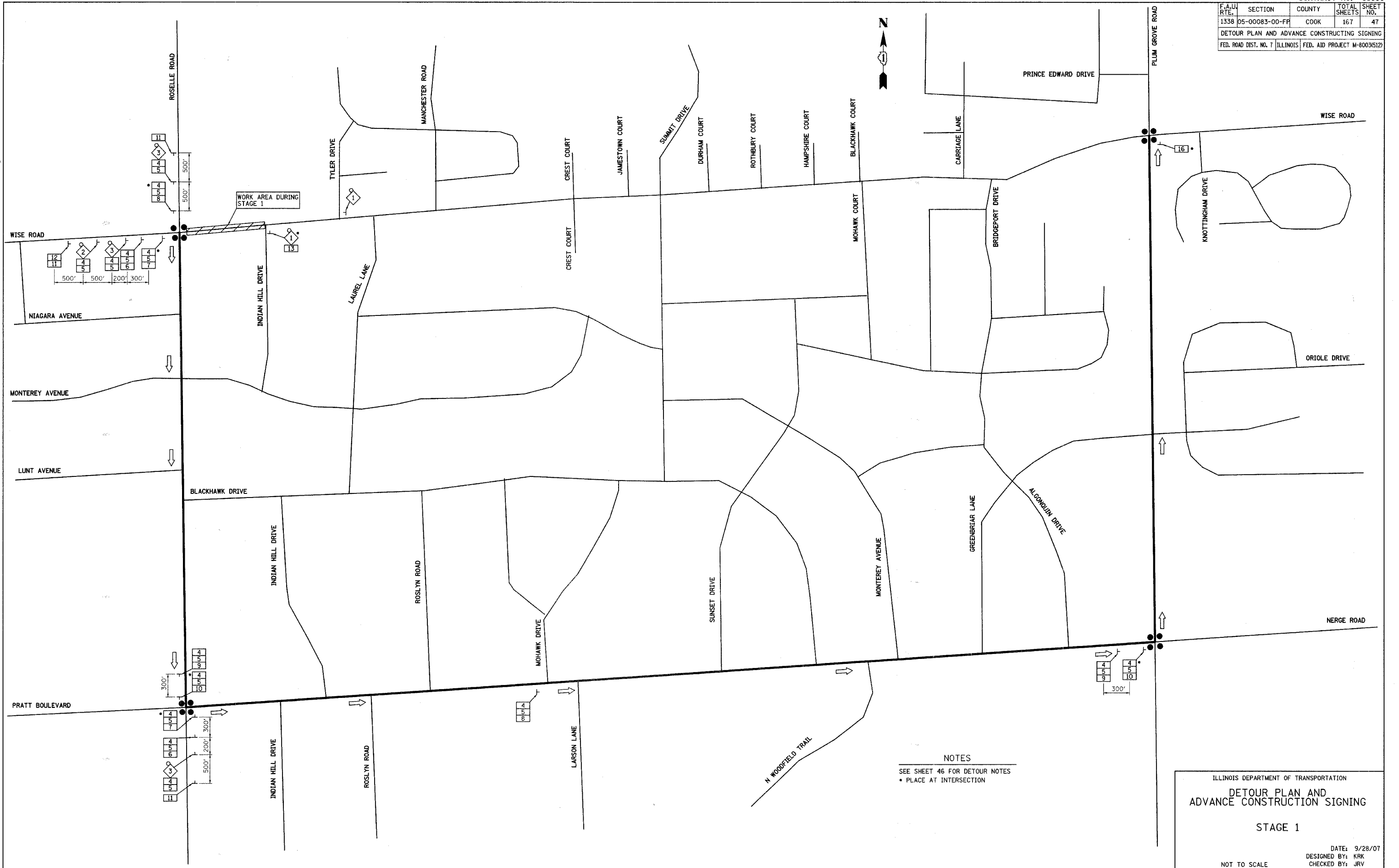
1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.
3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
4. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
7. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
8. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
9. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
11. THE ROAD NAME SIGN SHALL BE A BLACK LEGEND ON ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6".
12. AT A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS.
14. THE "ROAD CLOSED" (R11-2 & R11-4) SIGNS SHALL BE MOUNTED ON THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.
15. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON THE BACK SIDES OF THE BARRICADES.
16. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701.11 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
17. DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE TYPE III BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
19. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC. THE ENGINEER WILL CONTRACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
20. THE COST OF THIS WORK FOR THE DETOUR DURING STAGE 1 SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (DETOUR 1)". THE COST OF THIS WORK FOR THE DETOUR DURING STAGES 2 AND 3 SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (DETOUR 2)".

SCHEDULE OF SIGNS

SIGN NO.	SIGN TYPE
1	W20-1-4848
2	W20-2(10)-48
3	W20-2(10)-48
4	M3-2(10)-2412
5	W17-1100-2412
6	M4-9R(10)-3030
7	M4-9R(10)-3024
8	M4-9(10)-3030
9	M4-9L(10)-3030
10	M4-9L(10)-3024
11	SPECIAL(10)-3642
12	TEMPORARY INFORMATION SIGN (SEE SHEET NO. 130 FOR DETAILS)
13	M6-1(10)-2115
14	M6-1(10)-2115
15	M6-1(10)-2115
16	M4-8a(10)-2418
17	SPECIAL(10)-3642
18	M3-2(10)-2412

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETOUR PLAN AND
 ADVANCE CONSTRUCTION SIGNING
 GENERAL DETOUR NOTES
 DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV
 NOT TO SCALE

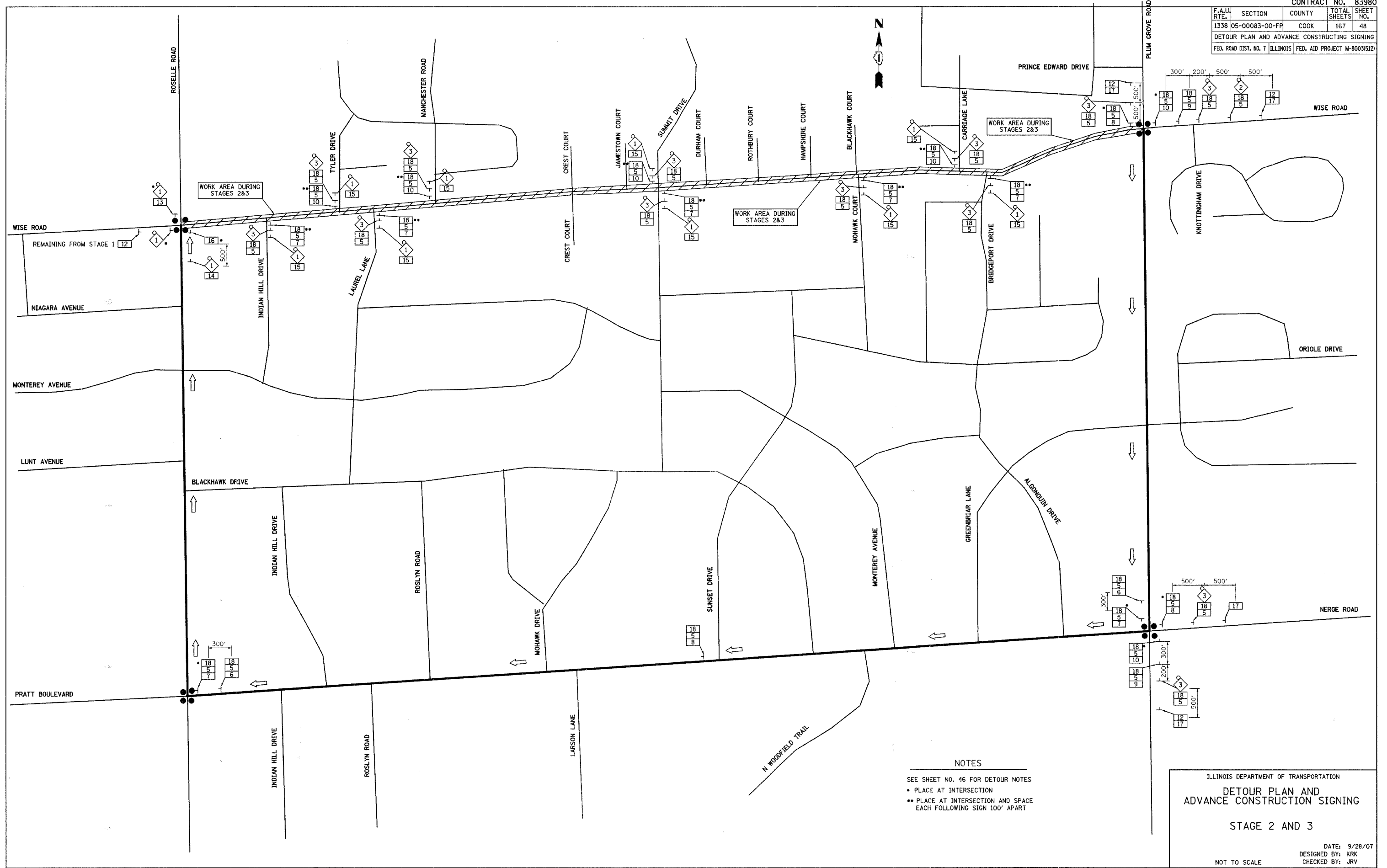
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	47
DETOUR PLAN AND ADVANCE CONSTRUCTING SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTES
 SEE SHEET 46 FOR DETOUR NOTES
 • PLACE AT INTERSECTION

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETOUR PLAN AND
 ADVANCE CONSTRUCTION SIGNING
 STAGE 1
 DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV
 NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	48
DETOUR PLAN AND ADVANCE CONSTRUCTING SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

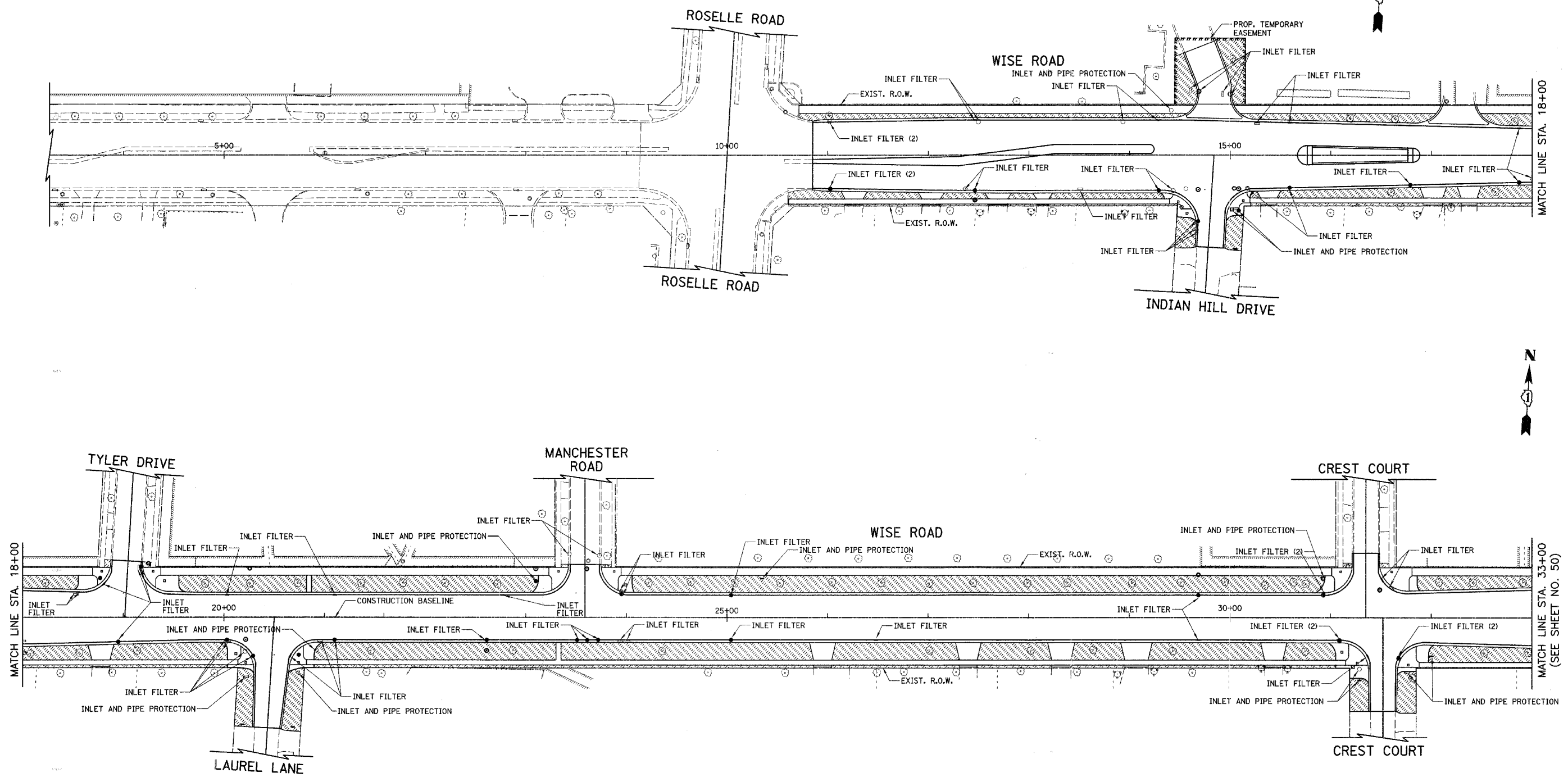


NOTES

- SEE SHEET NO. 46 FOR DETOUR NOTES
- PLACE AT INTERSECTION
- PLACE AT INTERSECTION AND SPACE EACH FOLLOWING SIGN 100' APART

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETOUR PLAN AND
 ADVANCE CONSTRUCTING SIGNING**
 STAGE 2 AND 3
 DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV
 NOT TO SCALE

CONTRACT NO. 83980				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	49
EROSION CONTROL PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



- LEGEND**
- TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
 - EXISTING TREE TO REMAIN
 - SEDIMENT CONTROL, SILT FENCE

ILLINOIS DEPARTMENT OF TRANSPORTATION

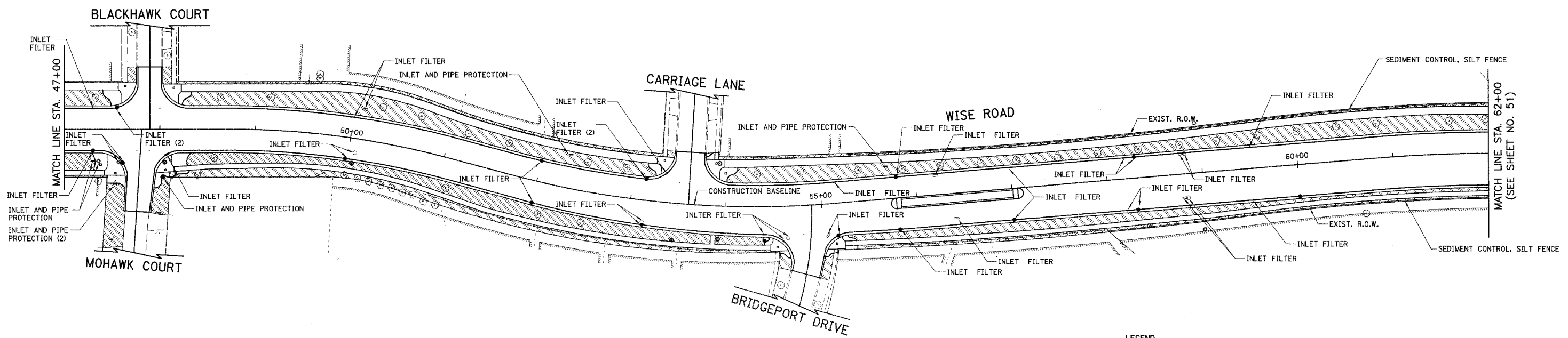
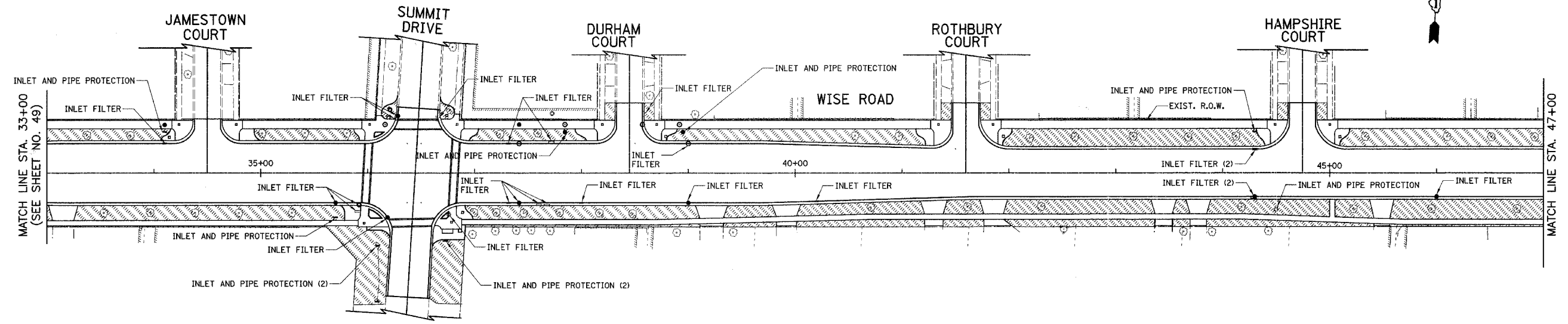
EROSION CONTROL PLAN

WISE ROAD

50 0 50
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	50
EROSION CONTROL PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



LEGEND

- TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
- EXISTING TREE TO REMAIN
- SEDIMENT CONTROL, SILT FENCE

ILLINOIS DEPARTMENT OF TRANSPORTATION

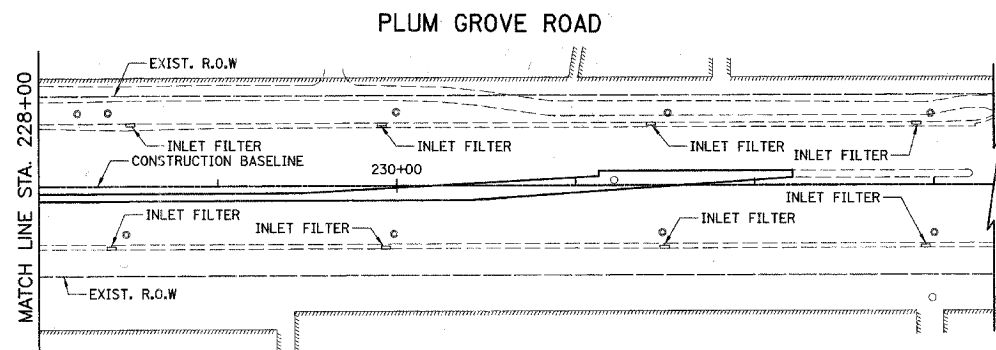
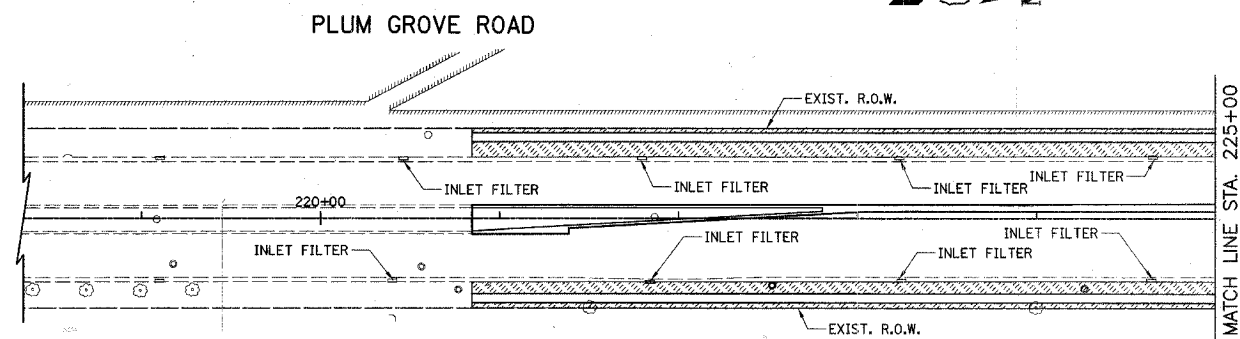
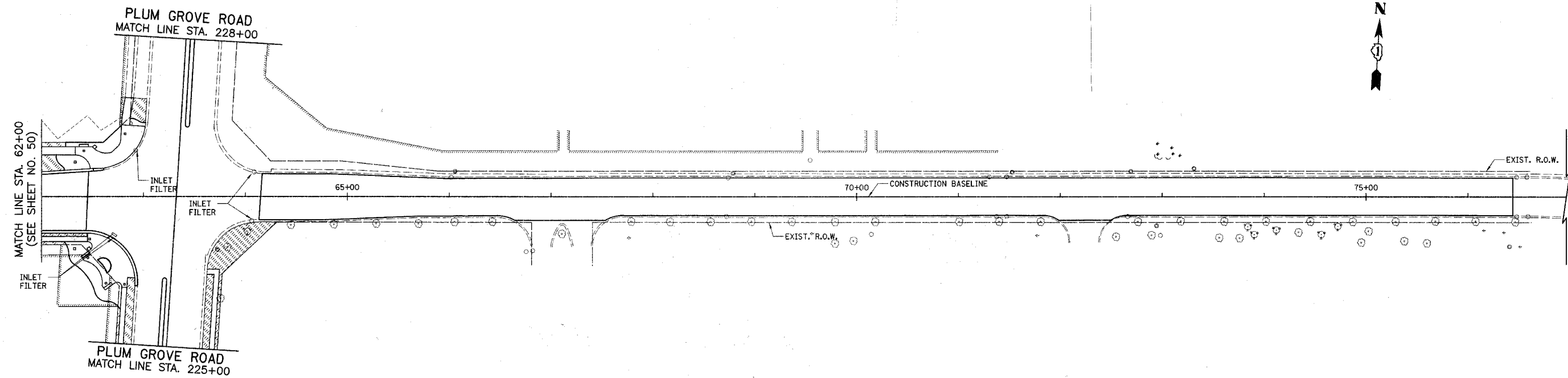
EROSION CONTROL PLAN

WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

CONTRACT NO. 83980				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	51
EROSION CONTROL PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



- LEGEND**
- TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
 - EXISTING TREE TO REMAIN
 - SEDIMENT CONTROL, SILT FENCE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

WISE ROAD

50 0 50
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

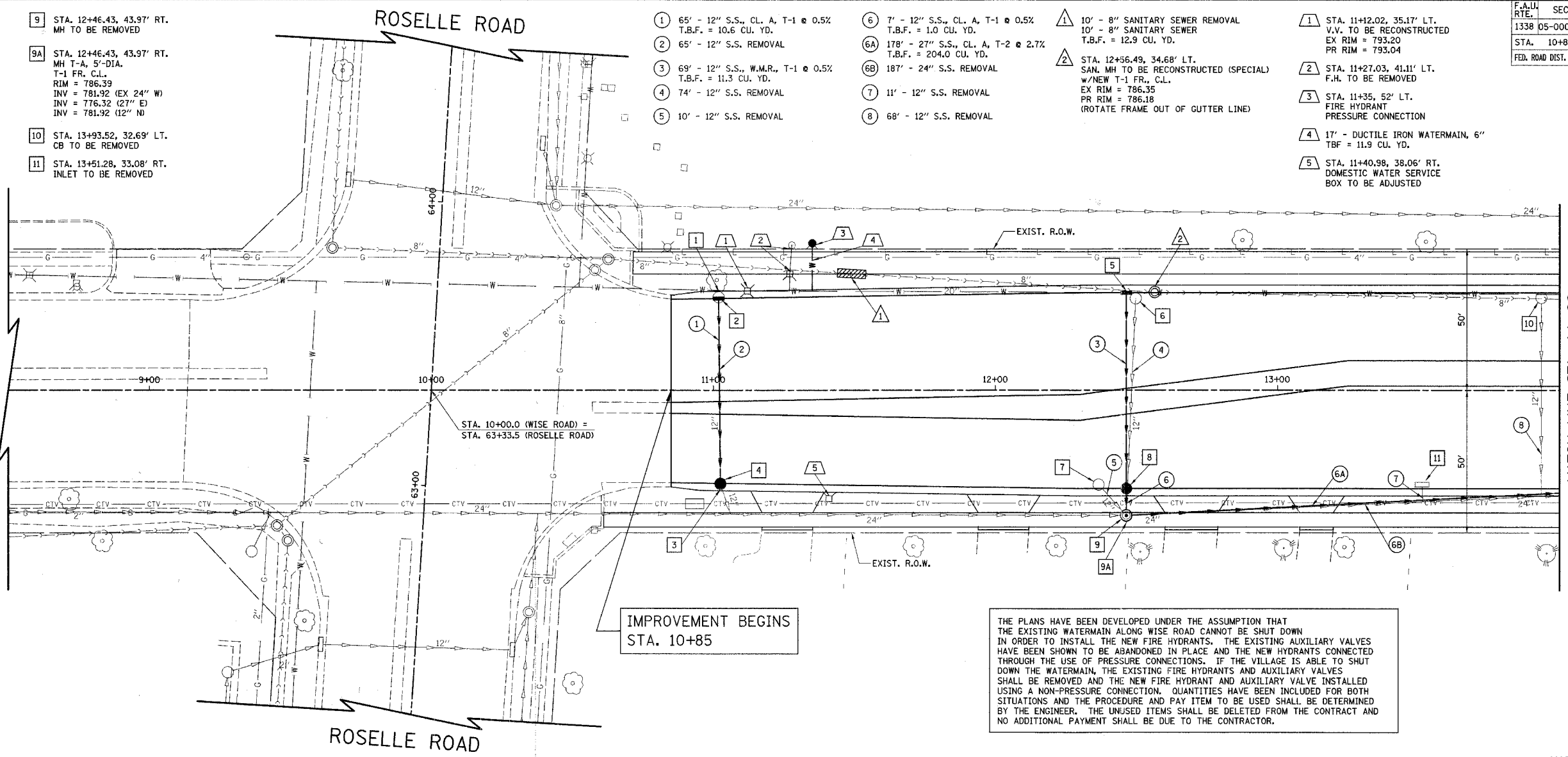
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FR	COOK	167	52
STA. 10+85		TO STA. 14+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-800315121				

- 1 STA. 11+01.85, 32.92' LT. CB TO BE REMOVED
- 2 STA. 11+01.85, 32.47' LT. INLET T-A SPECIAL F & G RIM = 793.11 INV = 789.36 (12" S)
- 3 STA. 11+02.49, 32.85' RT. CB TO BE REMOVED
- 4 STA. 11+02.48, 32.64' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 793.08 INV = 787.70 (EX 12" SE) INV = 789.04 (12" N)
- 5 STA. 12+46.43, 34.50' LT. INLET T-A SPECIAL F & G RIM = 786.63 INV = 782.88 (12" S)
- 6 STA. 12+49.74, 32.45' LT. CB TO BE REMOVED
- 7 STA. 12+36.62, 33.09' RT. CB TO BE REMOVED
- 8 STA. 12+46.43, 34.5' RT. CB T-A 4' DIA. SPECIAL F & G RIM = 786.63 INV = 781.96 (12" S) INV = 782.54 (12" N)

- 9 STA. 12+46.43, 43.97' RT. MH TO BE REMOVED
- 9A STA. 12+46.43, 43.97' RT. MH T-A, 5'-DIA. T-1 FR. C.L. RIM = 786.39 INV = 781.92 (EX 24" W) INV = 776.32 (27" E) INV = 781.92 (12" N)
- 10 STA. 13+93.52, 32.69' LT. CB TO BE REMOVED
- 11 STA. 13+51.28, 33.08' RT. INLET TO BE REMOVED

- 1 65' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 10.6 CU. YD.
- 2 65' - 12" S.S. REMOVAL
- 3 69' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 11.3 CU. YD.
- 4 74' - 12" S.S. REMOVAL
- 5 10' - 12" S.S. REMOVAL
- 6 7' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.0 CU. YD.
- 6A 178' - 27" S.S., CL. A, T-2 @ 2.7% T.B.F. = 204.0 CU. YD.
- 6B 187' - 24" S.S. REMOVAL
- 7 11' - 12" S.S. REMOVAL
- 8 68' - 12" S.S. REMOVAL
- 1 10' - 8" SANITARY SEWER REMOVAL
- 2 10' - 8" SANITARY SEWER T.B.F. = 12.9 CU. YD.
- 2 STA. 12+56.49, 34.68' LT. SAN. MH TO BE RECONSTRUCTED (SPECIAL) w/NEW T-1 FR., C.L. EX RIM = 786.35 PR RIM = 786.18 (ROTATE FRAME OUT OF GUTTER LINE)

- 1 STA. 11+12.02, 35.17' LT. V.V. TO BE RECONSTRUCTED EX RIM = 793.20 PR RIM = 793.04
- 2 STA. 11+27.03, 41.11' LT. F.H. TO BE REMOVED
- 3 STA. 11+35, 52' LT. FIRE HYDRANT PRESSURE CONNECTION
- 4 17' - DUCTILE IRON WATERMAIN, 6" TBF = 11.9 CU. YD.
- 5 STA. 11+40.98, 38.06' RT. DOMESTIC WATER SERVICE BOX TO BE ADJUSTED

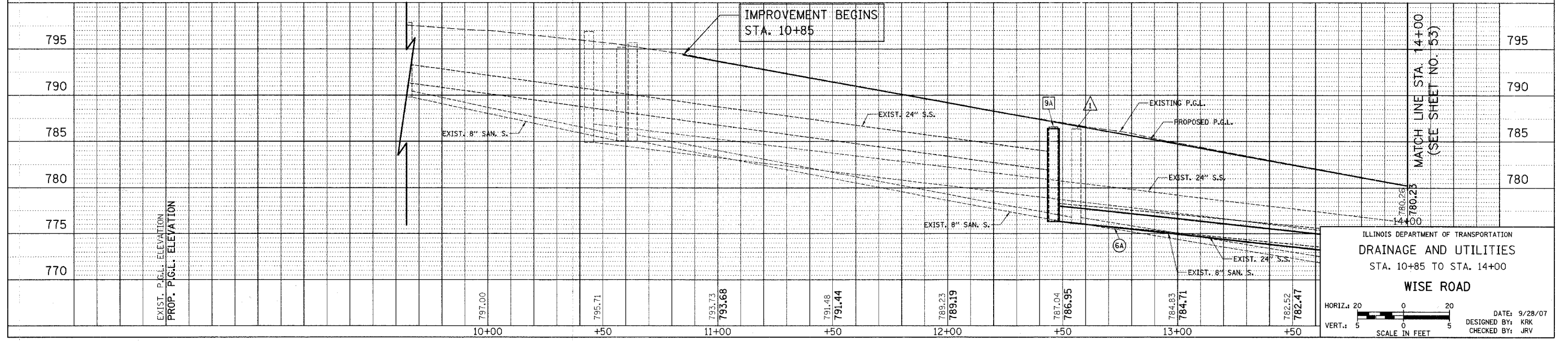


IMPROVEMENT BEGINS STA. 10+85

THE PLANS HAVE BEEN DEVELOPED UNDER THE ASSUMPTION THAT THE EXISTING WATERMAIN ALONG WISE ROAD CANNOT BE SHUT DOWN IN ORDER TO INSTALL THE NEW FIRE HYDRANTS. THE EXISTING AUXILIARY VALVES HAVE BEEN SHOWN TO BE ABANDONED IN PLACE AND THE NEW HYDRANTS CONNECTED THROUGH THE USE OF PRESSURE CONNECTIONS. IF THE VILLAGE IS ABLE TO SHUT DOWN THE WATERMAIN, THE EXISTING FIRE HYDRANTS AND AUXILIARY VALVES SHALL BE REMOVED AND THE NEW FIRE HYDRANT AND AUXILIARY VALVE INSTALLED USING A NON-PRESSURE CONNECTION. QUANTITIES HAVE BEEN INCLUDED FOR BOTH SITUATIONS AND THE PROCEDURE AND PAY ITEM TO BE USED SHALL BE DETERMINED BY THE ENGINEER. THE UNUSED ITEMS SHALL BE DELETED FROM THE CONTRACT AND NO ADDITIONAL PAYMENT SHALL BE DUE TO THE CONTRACTOR.

MATCH LINE STA. 14+00 (SEE SHEET NO. 53)

WISE ROAD

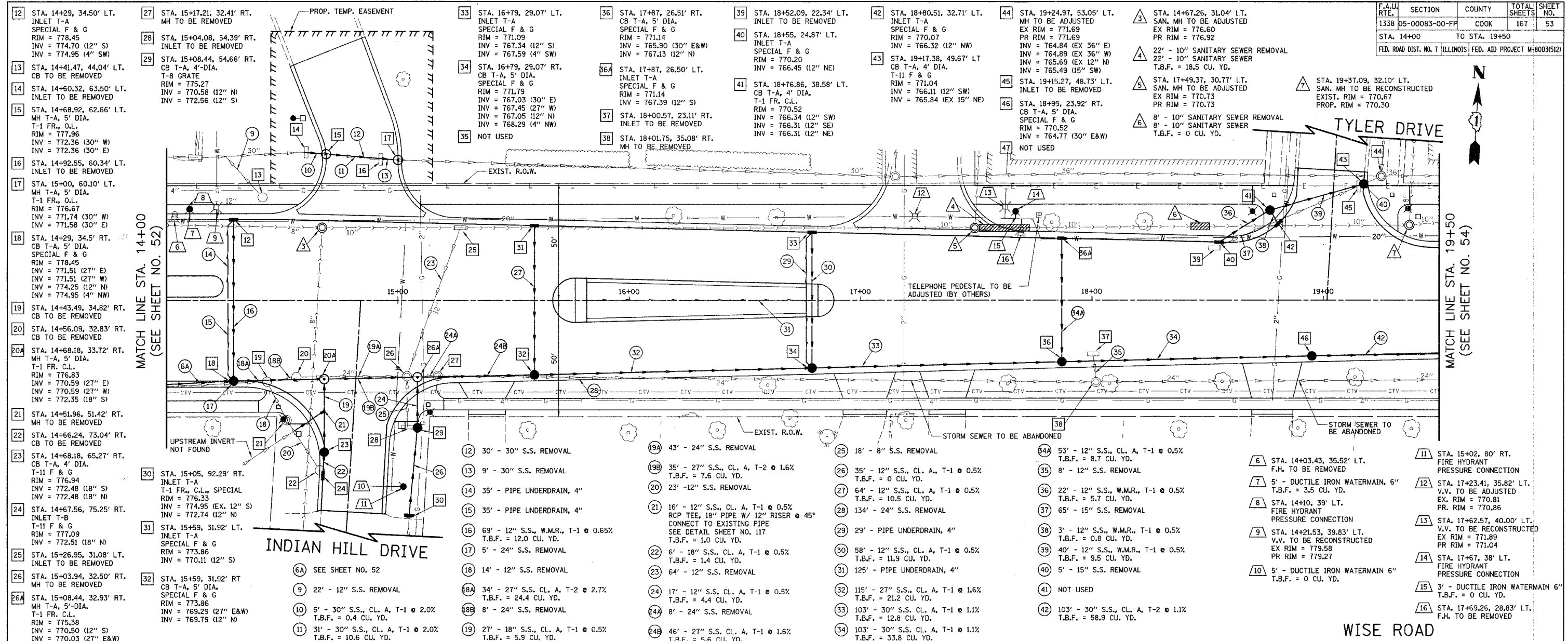


ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRAINAGE AND UTILITIES
 STA. 10+85 TO STA. 14+00
 WISE ROAD

HORIZ. 1" = 20'
 VERT. 1" = 5'
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	53
STA. 14+00		TO STA. 19+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

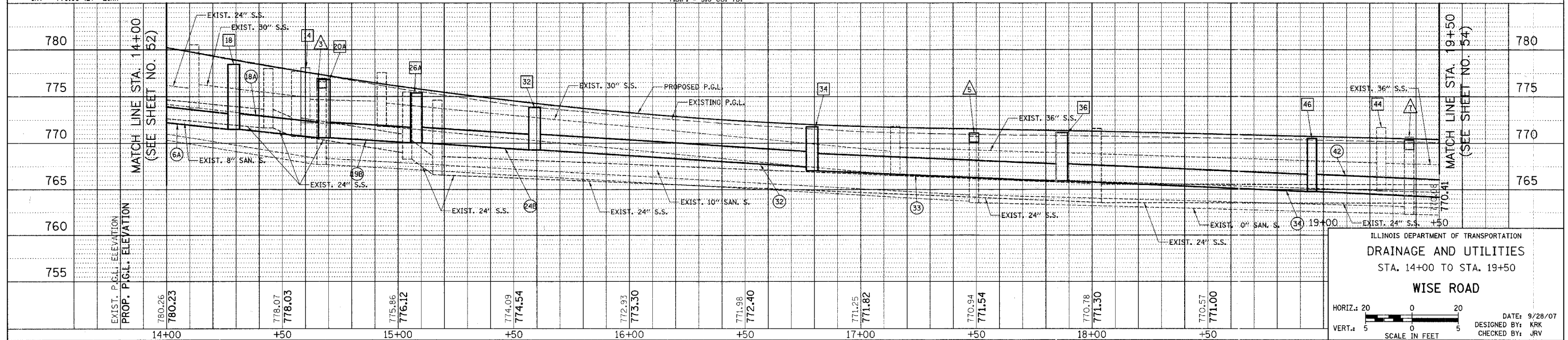


- 12 STA. 14+29, 34.50' LT. INLET T-A SPECIAL F & G RIM = 778.45 INV = 774.70 (12" S) INV = 774.95 (4" SW)
- 13 STA. 14+41.47, 44.04' LT. CB TO BE REMOVED
- 14 STA. 14+60.32, 63.50' LT. INLET TO BE REMOVED
- 15 STA. 14+68.92, 62.66' LT. MH T-A, 5' DIA. T-1 FR., O.L. RIM = 777.96 INV = 772.36 (30" W) INV = 772.36 (30" E)
- 16 STA. 14+92.55, 60.34' LT. INLET TO BE REMOVED
- 17 STA. 15+00, 60.10' LT. MH T-A, 5' DIA. T-1 FR., O.L. RIM = 776.67 INV = 771.74 (30" W) INV = 771.58 (30" E)
- 18 STA. 14+29, 34.5' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 778.45 INV = 771.51 (27" E) INV = 771.51 (27" W) INV = 774.25 (12" N) INV = 774.95 (4" NW)
- 19 STA. 14+43.49, 34.82' RT. CB TO BE REMOVED
- 20 STA. 14+56.09, 32.83' RT. CB TO BE REMOVED
- 20A STA. 14+68.18, 33.72' RT. MH T-A, 5' DIA. T-1 FR. C.L. RIM = 776.83 INV = 770.59 (27" E) INV = 770.59 (27" W) INV = 772.35 (18" S)
- 21 STA. 14+51.96, 51.42' RT. MH TO BE REMOVED
- 22 STA. 14+66.24, 73.04' RT. CB TO BE REMOVED
- 23 STA. 14+68.18, 65.27' RT. CB T-A, 4' DIA. T-1 F & G RIM = 776.94 INV = 772.48 (18" S) INV = 772.48 (18" N)
- 24 STA. 14+67.56, 75.25' RT. INLET T-B T-1 F & G RIM = 777.09 INV = 772.51 (18" N)
- 25 STA. 15+26.95, 31.08' LT. INLET TO BE REMOVED
- 26 STA. 15+03.94, 32.50' RT. MH TO BE REMOVED
- 26A STA. 15+08.44, 32.93' RT. MH T-A, 5' DIA. T-1 FR. C.L. RIM = 775.38 INV = 770.50 (12" S) INV = 770.03 (27" E&W)
- 27 STA. 15+17.21, 32.41' RT. MH TO BE REMOVED
- 28 STA. 15+04.08, 54.39' RT. INLET TO BE REMOVED
- 29 STA. 15+08.44, 54.66' RT. CB T-A, 4' DIA. T-8 GRATE RIM = 775.27 INV = 770.58 (12" N) INV = 772.56 (12" S)
- 30 STA. 15+05, 92.29' RT. INLET T-A T-1 FR., C.L., SPECIAL RIM = 776.33 INV = 774.95 (EX. 12" S) INV = 772.74 (12" N)
- 31 STA. 15+59, 31.52' LT. INLET T-A SPECIAL F & G RIM = 773.86 INV = 770.11 (12" S)
- 32 STA. 15+59, 31.52' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 773.86 INV = 769.29 (27" E&W) INV = 769.79 (12" N)
- 33 STA. 16+79, 29.07' LT. INLET T-A SPECIAL F & G RIM = 771.09 INV = 767.34 (12" S) INV = 767.59 (4" SW)
- 34 STA. 16+79, 29.07' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 771.79 INV = 767.03 (30" E) INV = 767.45 (27" W) INV = 767.05 (12" N) INV = 768.29 (4" NW)
- 35 NOT USED
- 36 STA. 17+87, 26.51' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 771.14 INV = 765.90 (30" E&W) INV = 767.13 (12" N)
- 36A STA. 17+87, 26.50' LT. INLET T-A SPECIAL F & G RIM = 771.14 INV = 767.39 (12" S)
- 37 STA. 18+00.57, 23.11' RT. INLET TO BE REMOVED
- 38 STA. 18+01.75, 35.08' RT. MH TO BE REMOVED
- 39 STA. 18+52.09, 22.34' LT. INLET TO BE REMOVED
- 40 STA. 18+55, 24.87' LT. INLET T-A SPECIAL F & G RIM = 770.20 INV = 766.45 (12" NE)
- 41 STA. 18+76.86, 38.58' LT. CB T-A, 4' DIA. T-1 FR. C.L. RIM = 770.52 INV = 766.34 (12" SW) INV = 766.11 (12" SE) INV = 766.31 (12" NE)
- 42 STA. 18+80.51, 32.71' LT. INLET T-A SPECIAL F & G RIM = 770.07 INV = 766.32 (12" NW)
- 43 STA. 19+17.38, 49.67' LT. CB T-A, 4' DIA. T-1 F & G RIM = 771.04 INV = 766.11 (12" SW) INV = 765.84 (EX. 15" NE)
- 44 STA. 19+24.97, 53.05' LT. MH TO BE ADJUSTED EX RIM = 771.69 PR RIM = 771.69 INV = 764.84 (EX. 36" E) INV = 764.89 (EX. 36" W) INV = 765.69 (EX. 12" N) INV = 765.49 (15" SW)
- 45 STA. 19+15.27, 48.73' LT. INLET TO BE REMOVED
- 46 STA. 18+95, 23.92' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 770.52 INV = 764.77 (30" E&W)
- 47 NOT USED
- 48 STA. 14+67.26, 31.04' LT. SAN. MH TO BE ADJUSTED EX RIM = 776.60 PR RIM = 776.92
- 49 22' - 10" SANITARY SEWER REMOVAL
- 50 22' - 10" SANITARY SEWER T.B.F. = 18.5 CU. YD.
- 51 STA. 17+49.37, 30.77' LT. SAN. MH TO BE ADJUSTED EX RIM = 770.73 PR RIM = 770.73
- 52 8' - 10" SANITARY SEWER REMOVAL
- 53 8' - 10" SANITARY SEWER T.B.F. = 0 CU. YD.
- 54 STA. 19+37.09, 32.10' LT. SAN. MH TO BE RECONSTRUCTED EXIST. RIM = 770.67 PROP. RIM = 770.30

MATCH LINE STA. 14+00 (SEE SHEET NO. 52)

MATCH LINE STA. 19+50 (SEE SHEET NO. 54)

- 12 30' - 30" S.S. REMOVAL
- 13 9' - 30" S.S. REMOVAL
- 14 35' - PIPE UNDERDRAIN, 4"
- 15 35' - PIPE UNDERDRAIN, 4"
- 16 69' - 12" S.S., W.M.R., T-1 @ 0.65% T.B.F. = 12.0 CU. YD.
- 17 5' - 24" S.S. REMOVAL
- 18 14' - 12" S.S. REMOVAL
- 18A 34' - 27" S.S. CL. A, T-2 @ 2.7% T.B.F. = 24.4 CU. YD.
- 18B 8' - 24" S.S. REMOVAL
- 19 27' - 18" S.S., CL. A, T-1 @ 0.5% T.B.F. = 5.9 CU. YD.
- 19A 43' - 24" S.S. REMOVAL
- 19B 35' - 27" S.S., CL. A, T-2 @ 1.6% T.B.F. = 7.6 CU. YD.
- 20 23' - 12" S.S. REMOVAL
- 21 16' - 12" S.S., CL. A, T-1 @ 0.5% RCP TEE, 18" PIPE W/ 12" RISER @ 45° CONNECT TO EXISTING PIPE SEE DETAIL SHEET NO. 117 T.B.F. = 1.0 CU. YD.
- 22 6' - 18" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.4 CU. YD.
- 23 64' - 12" S.S. REMOVAL
- 24 17' - 12" S.S. CL. A, T-1 @ 0.5% T.B.F. = 4.4 CU. YD.
- 24A 8' - 24" S.S. REMOVAL
- 24B 46' - 27" S.S. CL. A, T-1 @ 1.6% T.B.F. = 5.6 CU. YD.
- 25 18' - 8" S.S. REMOVAL
- 26 35' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 0 CU. YD.
- 27 64' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 10.5 CU. YD.
- 28 134' - 24" S.S. REMOVAL
- 29 29' - PIPE UNDERDRAIN, 4"
- 30 58' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 11.9 CU. YD.
- 31 125' - PIPE UNDERDRAIN, 4"
- 32 115' - 27" S.S., CL. A, T-1 @ 1.6% T.B.F. = 21.2 CU. YD.
- 33 103' - 30" S.S. CL. A, T-1 @ 1.1% T.B.F. = 12.8 CU. YD.
- 34 103' - 30" S.S. CL. A, T-1 @ 1.1% T.B.F. = 33.8 CU. YD.
- 34A 53' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.7 CU. YD.
- 35 8' - 12" S.S. REMOVAL
- 36 22' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 5.7 CU. YD.
- 37 65' - 15" S.S. REMOVAL
- 38 3' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 0.8 CU. YD.
- 39 40' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 9.5 CU. YD.
- 40 5' - 15" S.S. REMOVAL
- 41 NOT USED
- 42 103' - 30" S.S., CL. A, T-2 @ 1.1% T.B.F. = 58.9 CU. YD.
- 6 11 STA. 14+03.43, 35.52' LT. F.H. TO BE REMOVED
- 7 5' - DUCTILE IRON WATERMAIN, 6" T.B.F. = 3.5 CU. YD.
- 8 STA. 14+10, 39' LT. FIRE HYDRANT PRESSURE CONNECTION
- 9 STA. 14+21.53, 39.83' LT. V.V. TO BE RECONSTRUCTED EX RIM = 779.58 PR RIM = 779.27
- 10 5' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 11 STA. 15+02, 80' RT. FIRE HYDRANT PRESSURE CONNECTION
- 12 STA. 17+23.41, 35.82' LT. V.V. TO BE ADJUSTED EX. RIM = 770.81 PR RIM = 770.86
- 13 STA. 17+62.57, 40.00' LT. V.V. TO BE RECONSTRUCTED EX RIM = 771.89 PR RIM = 771.04
- 14 STA. 17+67, 38' LT. FIRE HYDRANT PRESSURE CONNECTION
- 15 3' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 16 STA. 17+69.26, 28.83' LT. F.H. TO BE REMOVED



WISE ROAD

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 14+00 TO STA. 19+50

WISE ROAD

HORIZ. 20
VERT. 5

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

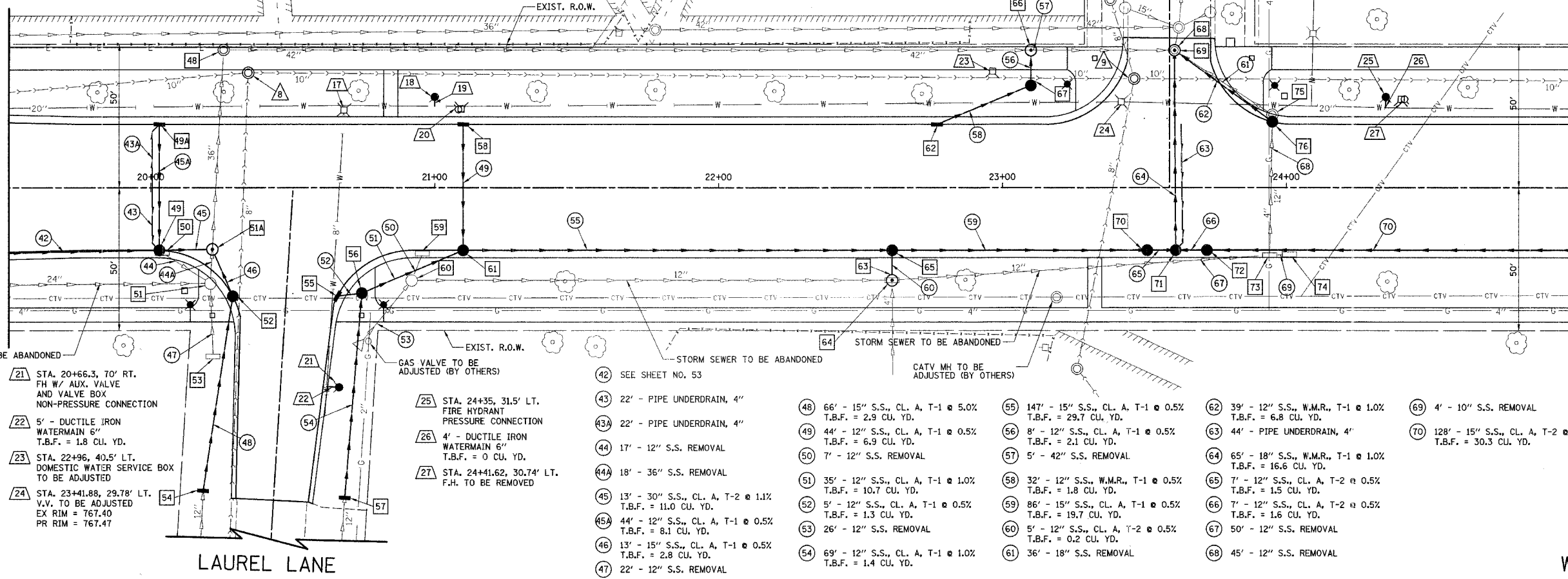
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	54
STA. 19+50		TO STA. 25+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(S12)				

- 48 STA. 20+25.62, 47.92' LT. MH TO BE RECONSTRUCTED EXIST. RIM = 769.53 PROP. RIM = 769.47
- 49 STA. 20+03, 22' RT. CB T-A, 5' DIA. SPECIAL F & G RIM = 769.88 INV = 763.64 (30" E&W) INV = 766.38 (4" NW) INV = 765.47 (12" N)
- 49A STA. 20+03, 22' LT. INLET T-A SPECIAL F & G RIM = 769.44 INV = 765.69 (12" S) INV = 765.69 (4" SW)
- 50 STA. 20+04.06, 22.86' RT. INLET TO BE REMOVED
- 51 STA. 20+20.98, 33.62' RT. CB TO BE REMOVED
- 51A STA. 20+21.66, 21.68' RT. MH T-A, 6'-DIA. T-1 FR. C.L. RIM = 769.78 INV = 763.49 (EX 36" N) INV = 763.50 (30" W) INV = 765.91 (15" SE)
- 52 STA. 20+28.87, 38' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 769.19 INV = 766.04 (15" NW&S)
- 53 STA. 20+21.96, 59.11' RT. INLET TO BE REMOVED
- 54 STA. 20+18.45, 106.07' RT. INLET T-A T-1 FR., C.L., SPECIAL RIM = 773.39 INV = 771.20 (EX 12" S) INV = 769.38 (15" N)
- 55 STA. 20+65.72, 38.00' RT. INLET T-A T-1 FR., C.L., SPECIAL RIM = 772.86 INV = 771.33 (EX 12" S) INV = 768.86 (12" N)
- 58 STA. 21+10, 22' LT. INLET T-A SPECIAL F & G RIM = 767.82 INV = 765.10 (12" S)
- 56 STA. 20+74.31, 36.95' RT. CB T-A, 4' DIA. T-1 FR., C.L. SPECIAL RIM = 769.45 INV = 765.32 (12" NE) INV = 768.17 (12" S) INV = 765.34 (12" W)
- 57 STA. 20+68.33, 108.61' RT. INLET T-A T-1 FR., C.L., SPECIAL RIM = 772.86 INV = 771.33 (EX 12" S) INV = 768.86 (12" N)
- 58 STA. 21+10, 22' LT. INLET T-A SPECIAL F & G RIM = 767.82 INV = 765.10 (12" S)
- 59 STA. 20+95.68, 23.09' RT. INLET TO BE REMOVED
- 60 STA. 20+91.86, 32.59' RT. CB TO BE REMOVED
- 61 STA. 21+10, 22' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 769.25 INV = 764.88 (12" N) INV = 764.88 (15" E) INV = 764.97 (12" SW)
- 62 STA. 22+77, 22.00' LT. INLET T-A SPECIAL F & G RIM = 767.82 INV = 764.07 (12" NE)
- 63 STA. 22+61.14, 32.54' RT. INLET TO BE REMOVED
- 64 STA. 22+61.14, 32.54' RT. MH T-A, 4' DIA. T-1 FR. C.L. RIM = 769.25 INV = 765.53 (EX 4" S) INV = 764.24 (12" N)
- 65 STA. 22+61.14, 22' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 768.35 INV = 764.21 (12" S) INV = 764.14 (15" W) INV = 764.09 (15" E)
- 66 STA. 23+10, 47.78' LT. MH T-A, 5' DIA. T-1 FR. C.L. RIM = 767.90 INV = 762.45 (EX 42" E) INV = 762.46 (EX 42" W) INV = 763.87 (12" S)
- 67 STA. 23+10, 35.5' LT. CB T-A, 4' DIA. T-8 GRATE RIM = 767.72 INV = 763.91 (12" SW) INV = 763.91 (12" N)
- 68 STA. 23+60.58, 47.75' LT. MH TO BE REMOVED
- 69 STA. 23+60.58, 47.75' LT. MH T-A, 6' DIA. T-1 FR., C.L. RIM = 767.56 INV = 762.34 (EX 42" W) INV = 762.24 (EX 42" N) INV = 762.41 (18" S)
- 70 STA. 23+51, 22' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 767.95 INV = 763.66 (15" E&W)
- 71 STA. 23+61.02, 22' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 767.94 INV = 763.08 (18" N) INV = 763.63 (15" W) INV = 763.52 (12" E) INV = 764.44 (4" NE)
- 72 STA. 23+72, 22' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 767.95 INV = 763.56 (15" E&W)
- 73 STA. 23+94.19, 23.78' RT. INLET TO BE REMOVED
- 74 STA. 24+01.13, 23.49' RT. INLET TO BE REMOVED
- 75 STA. 23+95.09, 25.25' LT. MH TO BE REMOVED
- 76 STA. 23+95.04, 22.86' LT. CB T-C SPECIAL F & G RIM = 767.55 INV = 763.80 (12" NW)



MATCH LINE STA. 19+50 (SEE SHEET NO. 53)

MATCH LINE STA. 25+00 (SEE SHEET NO. 55)



- 17 STA. 20+68.03, 26.93' LT. V.V. TO BE ADJUSTED EX RIM = 769.24 PR RIM = 769.40 REMOVE EXISTING VALVE REPLACE WITH 8" VALVE
- 18 STA. 21+00, 31.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 19 4' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 20 STA. 21+08.34, 27.12' LT. F.H. TO BE REMOVED
- 21 STA. 20+66.3, 70' RT. FH W/ AUX. VALVE AND VALVE BOX NON-PRESSURE CONNECTION
- 22 5' - DUCTILE IRON WATERMAIN 6" T.B.F. = 1.8 CU. YD.
- 23 STA. 22+96, 40.5' LT. DOMESTIC WATER SERVICE BOX TO BE ADJUSTED
- 24 STA. 23+41.88, 29.78' LT. V.V. TO BE ADJUSTED EX RIM = 767.40 PR RIM = 767.47

- 25 STA. 24+35, 31.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 26 4' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 27 STA. 24+41.62, 30.74' LT. F.H. TO BE REMOVED
- 42 SEE SHEET NO. 53
- 43 22' - PIPE UNDERDRAIN, 4"
- 43A 22' - PIPE UNDERDRAIN, 4"
- 44 17' - 12" S.S. REMOVAL
- 44A 18' - 36" S.S. REMOVAL
- 45 13' - 30" S.S., CL. A, T-2 @ 1.1% T.B.F. = 11.0 CU. YD.
- 45A 44' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.1 CU. YD.
- 46 13' - 15" S.S., CL. A, T-1 @ 0.5% T.B.F. = 2.8 CU. YD.
- 47 22' - 12" S.S. REMOVAL
- 48 66' - 15" S.S., CL. A, T-1 @ 5.0% T.B.F. = 2.9 CU. YD.
- 49 44' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 6.9 CU. YD.
- 50 7' - 12" S.S. REMOVAL
- 51 35' - 12" S.S., CL. A, T-1 @ 1.0% T.B.F. = 10.7 CU. YD.
- 52 5' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.3 CU. YD.
- 53 26' - 12" S.S. REMOVAL
- 54 69' - 12" S.S., CL. A, T-1 @ 1.0% T.B.F. = 1.4 CU. YD.
- 55 147' - 15" S.S., CL. A, T-1 @ 0.5% T.B.F. = 29.7 CU. YD.
- 56 8' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 2.1 CU. YD.
- 57 5' - 42" S.S. REMOVAL
- 58 32' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 1.8 CU. YD.
- 59 86' - 15" S.S., CL. A, T-1 @ 0.5% T.B.F. = 19.7 CU. YD.
- 60 5' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 0.2 CU. YD.
- 61 36' - 18" S.S. REMOVAL
- 62 39' - 12" S.S., W.M.R., T-1 @ 1.0% T.B.F. = 6.8 CU. YD.
- 63 44' - PIPE UNDERDRAIN, 4"
- 64 65' - 18" S.S., W.M.R., T-1 @ 1.0% T.B.F. = 16.6 CU. YD.
- 65 7' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 1.5 CU. YD.
- 66 7' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 1.6 CU. YD.
- 67 50' - 12" S.S. REMOVAL
- 68 45' - 12" S.S. REMOVAL
- 69 4' - 10" S.S. REMOVAL
- 70 128' - 15" S.S., CL. A, T-2 @ 0.5% T.B.F. = 30.3 CU. YD.

- △ STA. 20+34.28, 39.97' LT. SAN. MH TO BE RECONSTRUCTED EXIST. RIM = 769.79 PROP. RIM = 769.31
- △ STA. 23+46.43, 37.89' LT. SAN. MH TO BE ADJUSTED EXIST. RIM = 767.38 PROP. RIM = 767.38

EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION	EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	STATION															
775	770.08	+50	770.08	770.41	20+00	769.65	770.12	20+00	769.67	769.82	+50	769.39	769.53	21+00	769.05	769.23	+50	768.80	768.93	22+00	768.54	768.64	+50	768.29	768.34	23+00	767.88	768.17	+50	767.81	768.23	24+00	768.26	768.54	+50

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRAINAGE AND UTILITIES
 STA. 19+50 TO STA. 25+00
WISE ROAD

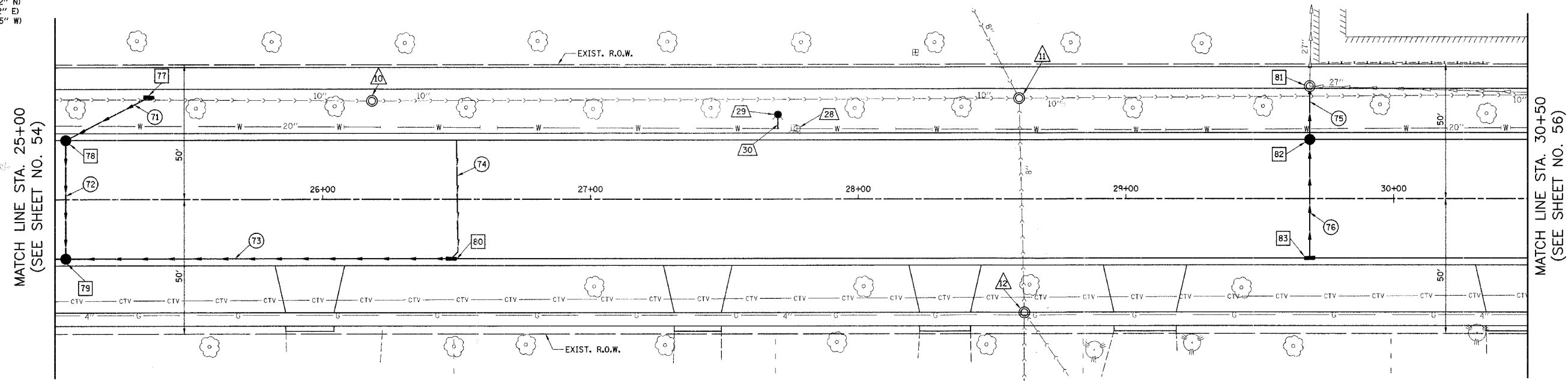
HORIZ. 20
 VERT. 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	55
STA. 25+00		TO STA. 30+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		



- 77 STA. 25+35, 38.00' LT.
INLET T-A
T-8 GRATE
RIM = 769.44
INV = 766.14 (12" SW)
- 78 STA. 25+04, 22' LT.
CB T-A, 4' DIA.
SPECIAL F & G
RIM = 768.49
INV = 764.74 (12" S)
INV = 765.99 (12" NE)
- 79 STA. 25+04, 22' RT.
CB T-A, 4'-DIA.
SPECIAL F & G
RIM = 768.93
INV = 764.52 (12" N)
INV = 765.18 (12" E)
INV = 764.20 (15" W)
- 80 STA. 26+48, 22' RT.
INLET T-B
SPECIAL F & G
RIM = 770.70
INV = 765.88 (12" W)
INV = 767.20 (4" NE)
- 81 STA. 29+68.61, 41.82' LT.
MH TO BE RECONSTRUCTED
EXIST. RIM = 769.43
PROP. RIM = 769.40
INV = 761.38 (EX 27" N)
INV = 761.53 (EX 27" E)
INV = 766.07 (12" S)
- 82 STA. 29+68.61, 22' LT.
CB T-A, 4' DIA.
SPECIAL F & G
RIM = 769.66
INV = 766.13 (12" S)
INV = 766.13 (12" N)
- 83 STA. 29+68.61, 22' RT.
INLET T-A
SPECIAL F & G
RIM = 770.10
INV = 766.35 (12" N)

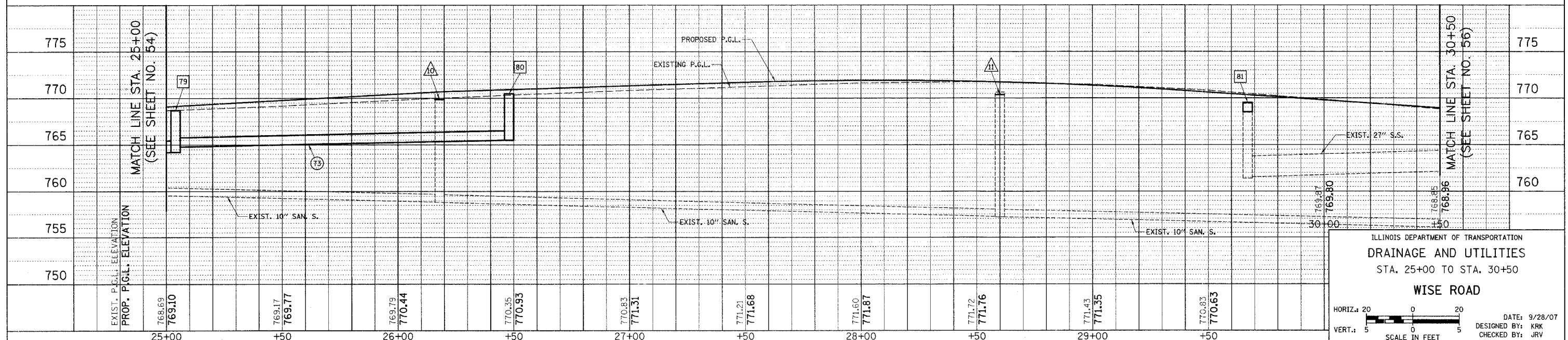


- 28 STA. 27+77.15, 26.18' LT.
F.H. TO BE REMOVED
- 29 STA. 27+70, 31.5' LT.
FIRE HYDRANT
PRESSURE CONNECTION
- 30 6' - DUCTILE IRON WATERMAIN 6"
T.B.F. = 0.4 CU. YD.

- 71 30' - 12" S.S., W.M.R., T-1 @ 0.5%
T.B.F. = 0.8 CU. YD.
- 72 44' - 12" S.S., CL. A, T-1 @ 0.5%
T.B.F. = 8.1 CU. YD.
- 73 140' - 12" S.S., CL. A, T-1 @ 0.5%
T.B.F. = 28.7 CU. YD.
- 74 44' - PIPE UNDERDRAIN, 4"
- 75 13' - 12" S.S., W.M.R., T-1 @ 0.5%
T.B.F. = 0.2 CU. YD.
- 76 44' - 12" S.S., CL. A, T-1 @ 0.5%
T.B.F. = 6.3 CU. YD.

- △ STA. 26+18.36, 36.66' LT.
SAN. MH TO BE RECONSTRUCTED
EXIST. RIM = 770.71
PROP. RIM = 769.86
- △ STA. 28+60.10, 37.45' LT.
SAN. MH TO BE RECONSTRUCTED
EXIST. RIM = 770.63
PROP. RIM = 770.36
- △ STA. 28+62.04, 42.10' RT.
SAN. MH TO BE ADJUSTED
EXIST. RIM = 772.19
PROP. RIM = 772.36

WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 25+00 TO STA. 30+50
WISE ROAD

HORIZ.: 20
VERT.: 5
SCALE IN FEET

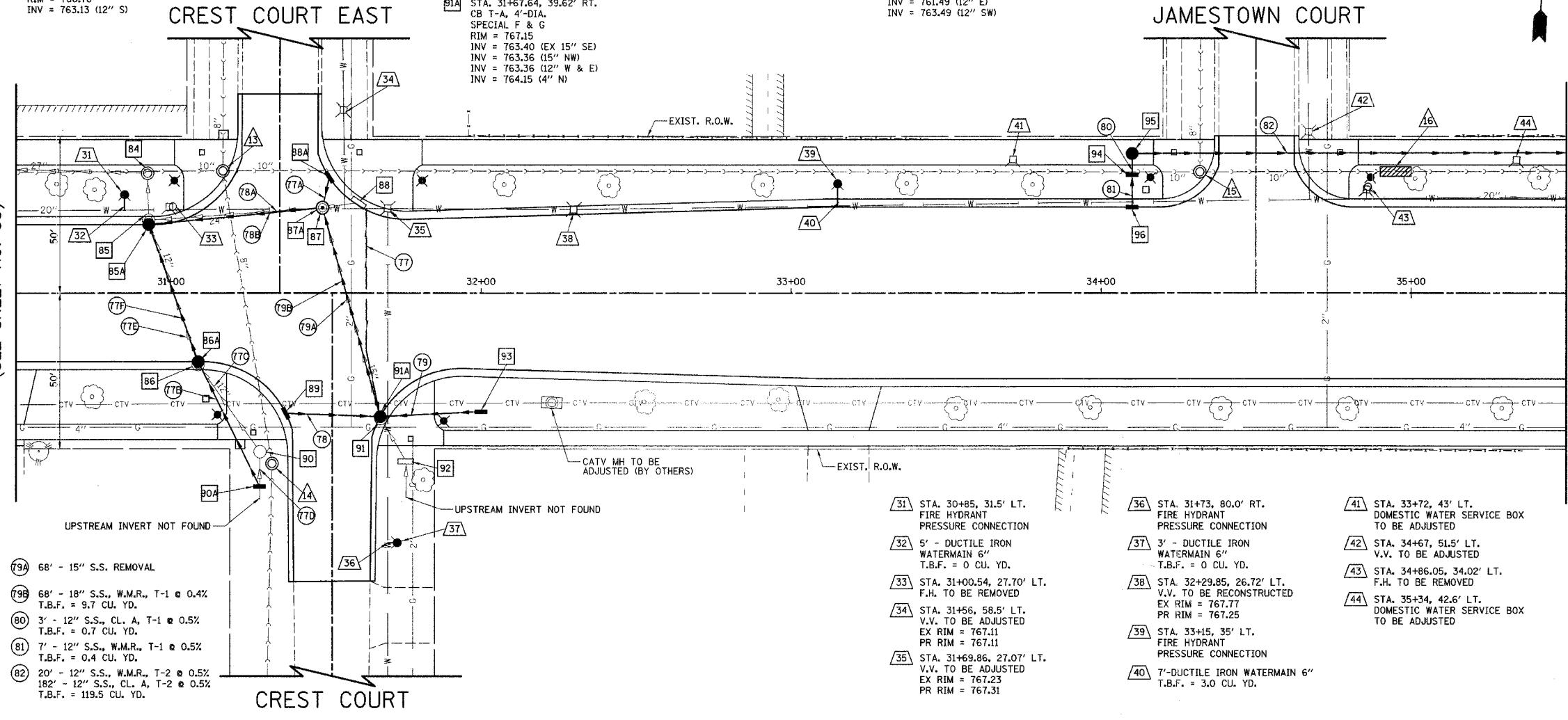
DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRJ

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	56
STA. 30+50		TO STA. 35+50		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(52)				

- 84 STA. 30+92.39, 38.31' LT. MH TO BE RECONSTRUCTED W/NEW T-8 GRATE EXIST. RIM = 767.61 PROP. RIM = 767.38 INV = 762.41 (EX 27" W) INV = 762.61 (27" S)
- 85 STA. 30+92.75, 23.41' LT. MH TO BE REMOVED
- 85A STA. 30+92.75, 22.00' LT. CB T-A, 5'-DIA. SPECIAL F & G RIM = 767.59 INV = 762.78 (EX 27" N) INV = 763.24 (15" S) INV = 762.83 (24" E)
- 86 STA. 31+08.74, 22.95' RT. MH TO BE REMOVED
- 86A STA. 31+08.74, 22.00' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 767.81 INV = 763.48 (12" S) INV = 763.48 (15" N)
- 87 STA. 31+48.84, 27.31' LT. MH TO BE REMOVED
- 87A STA. 31+48.84, 27.31' LT. MH T-A, 5'-DIA. T-1 FR. C.L. RIM = 766.97 INV = 763.39 (EX 15" E) INV = 763.09 (12" N) INV = 763.09 (24" W) INV = 763.09 (18" S)
- 77 25' - PIPE UNDERDRAIN, 4"
- 77A 8' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.4 CU. YD.
- 77B 4' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.0 CU. YD.
- 77C 3' - 12" S.S. REMOVAL
- 77D 7' - 12" S.S. REMOVAL
- 77E 45' - 12" S.S. REMOVAL
- 77F 47' - 15" S.S., CL. A, T-1 @ 0.5% T.B.F. = 10.1 CU. YD.
- 78 30' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 4.3 CU. YD.
- 78A 51' - 24" S.S. REMOVAL
- 78B 51' - 24" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 8.2 CU. YD.
- 78C 38' - PIPE UNDERDRAIN, 4"
- 79 28' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 4.5 CU. YD.

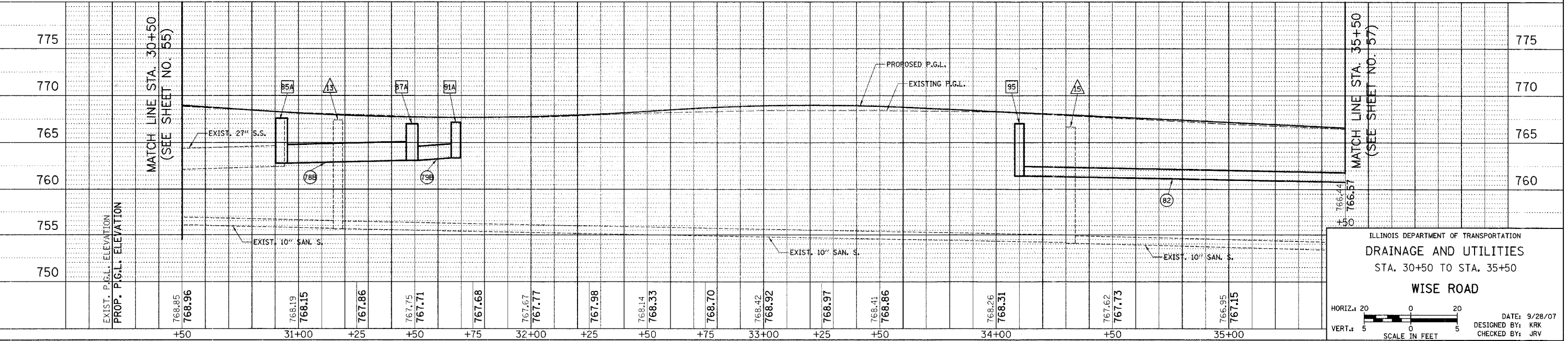
- 88 STA. 31+60.51, 28.86' LT. INLET TO BE ADJUSTED W/NEW SPECIAL F & G EX RIM = 766.70 PR RIM = 766.88 INV = 763.80 (EX 15" W) INV = 763.80 (4" SE)
- 88A STA. 31+51, 37.04' LT. INLET, T-A SPECIAL F & G RIM = 766.78 INV = 763.13 (12" S)
- 89 STA. 31+37.06, 38.56' RT. INLET T-A SPECIAL F & G RIM = 767.10 INV = 763.51 (12" E)
- 90 STA. 31+28.70, 50.90' RT. CB TO BE REMOVED
- 90A STA. 31+28.5, 62' RT. INL T-A T-8 GRATE RIM = 767.00 INV = 763.69 (12" NW) INV = 764.80 (EX 12" S)
- 91 STA. 31+67.64, 40.20' RT. MH TO BE REMOVED
- 91A STA. 31+67.64, 39.62' RT. CB T-A, 4'-DIA. SPECIAL F & G RIM = 767.15 INV = 763.40 (EX 15" SE) INV = 763.36 (15" NW) INV = 763.36 (12" W & E) INV = 764.15 (4" N)
- 92 STA. 31+75.82, 53.98' RT. INLET TO BE ADJUSTED W/NEW T-8 GRATE EXIST. RIM = 767.60 PROP. RIM = 767.60
- 93 STA. 32+00, 38.00' RT. INLET T-A T-8 GRATE RIM = 767.58 INV = 763.51 (12" W)
- 94 STA. 34+10, 38.00' LT. INLET T-B T-8 GRATE RIM = 766.80 INV = 763.51 (12" N) INV = 764.36 (12" S)
- 95 STA. 34+10, 44.64' LT. CB T-A, 4' DIA. T-1 FR., C.L. RIM = 766.80 INV = 761.49 (12" E) INV = 763.49 (12" SW)
- 96 STA. 34+10, 27.50' LT. INLET T-A SPECIAL F & G RIM = 767.31 INV = 764.39 (12" NE)

- 31 STA. 30+85, 31.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 32 5' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 33 STA. 31+00.54, 27.70' LT. F.H. TO BE REMOVED
- 34 STA. 31+56, 58.5' LT. V.V. TO BE ADJUSTED EX RIM = 767.11 PR RIM = 767.11
- 35 STA. 31+69.86, 27.07' LT. V.V. TO BE ADJUSTED EX RIM = 767.23 PR RIM = 767.31
- 36 STA. 31+73, 80.0' RT. FIRE HYDRANT PRESSURE CONNECTION
- 37 3' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 38 STA. 32+29.85, 26.72' LT. V.V. TO BE RECONSTRUCTED EX RIM = 767.77 PR RIM = 767.25
- 39 STA. 33+15, 35' LT. FIRE HYDRANT PRESSURE CONNECTION
- 40 7'-DUCTILE IRON WATERMAIN 6" T.B.F. = 3.0 CU. YD.
- 41 STA. 33+72, 43' LT. DOMESTIC WATER SERVICE BOX TO BE ADJUSTED
- 42 STA. 34+67, 51.5' LT. V.V. TO BE ADJUSTED
- 43 STA. 34+86.05, 34.02' LT. F.H. TO BE REMOVED
- 44 STA. 35+34, 42.6' LT. DOMESTIC WATER SERVICE BOX TO BE ADJUSTED
- 43A STA. 31+16.69, 39.05' LT. SAN. MH TO BE RECONSTRUCTED EXIST. RIM = 767.38 PROP. RIM = 767.35
- 44A STA. 31+32.57, 54.67' RT. SAN. MH TO BE ADJUSTED EXIST. RIM = 767.82 PROP. RIM = 767.31
- 45A STA. 34+31.87, 38.74' LT. SAN. MH TO BE ADJUSTED EXIST. RIM = 766.66 PROP. RIM = 767.12
- 46 10' - 10" SANITARY SEWER REMOVAL 10' - 10" SANITARY SEWER T.B.F. = 17.3 CU. YD.



MATCH LINE STA. 30+50 (SEE SHEET NO. 55)

MATCH LINE STA. 35+50 (SEE SHEET NO. 57)

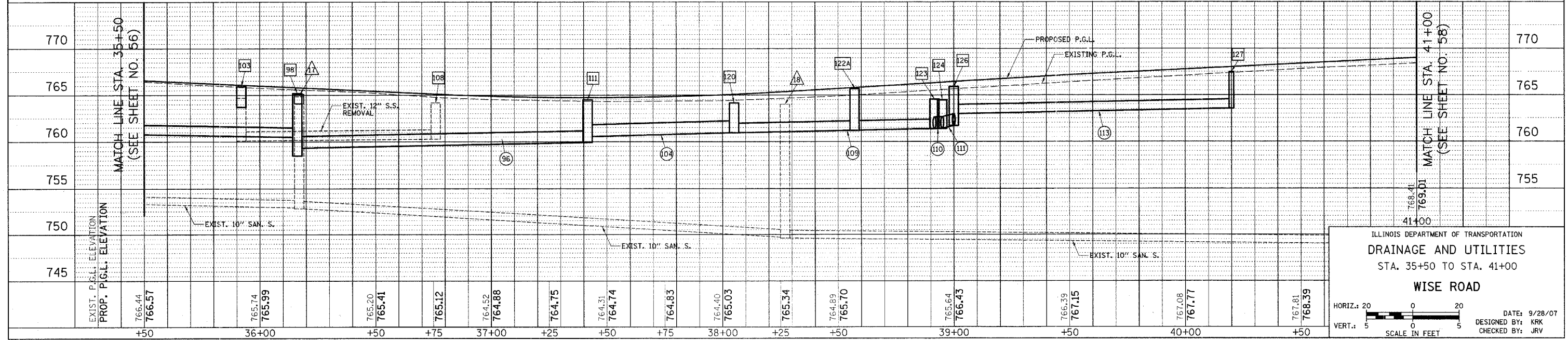
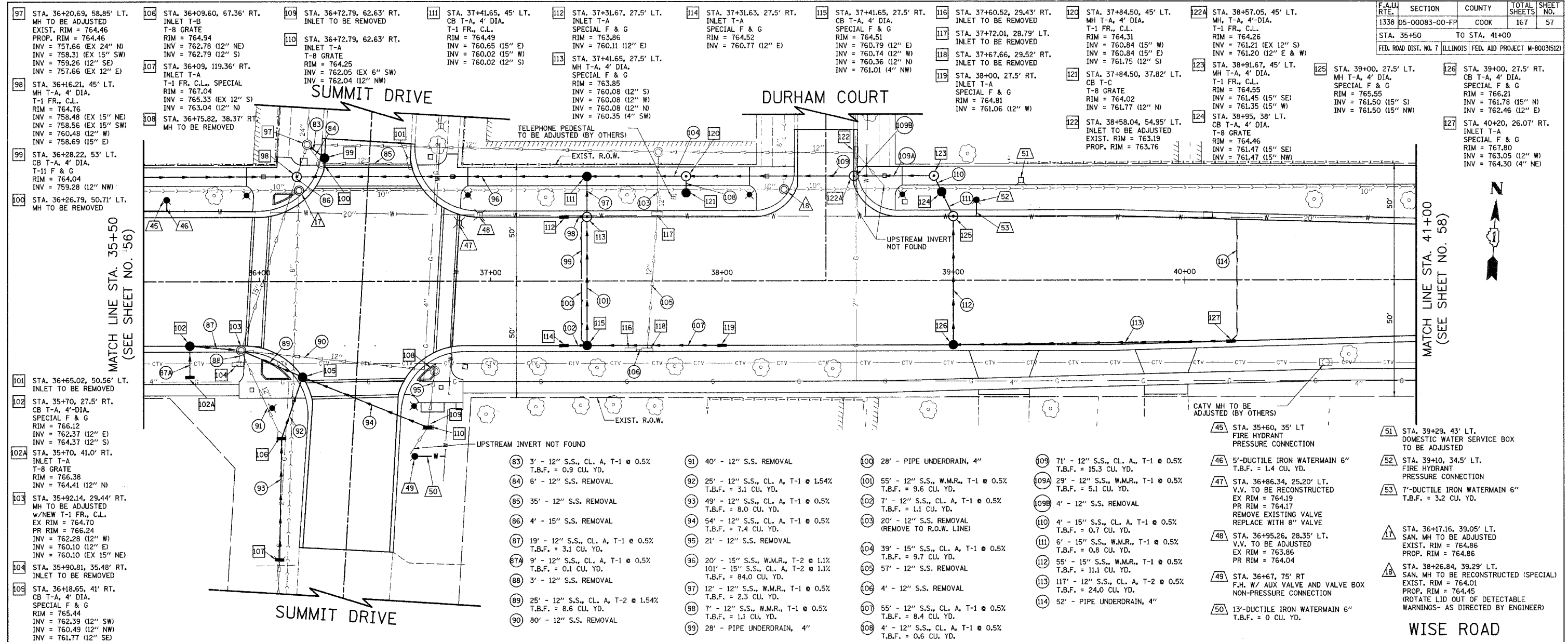


ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
 STA. 30+50 TO STA. 35+50
WISE ROAD

HORIZ. 20 0 20
 VERT. 5 0 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	57
STA. 35+50		TO STA. 41+00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
 STA. 35+50 TO STA. 41+00
WISE ROAD

HORIZ.: 20' = 1" (SCALE IN FEET)
 VERT.: 5' = 1" (SCALE IN FEET)

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	58
STA. 41+00		TO STA. 46+50		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80035121				



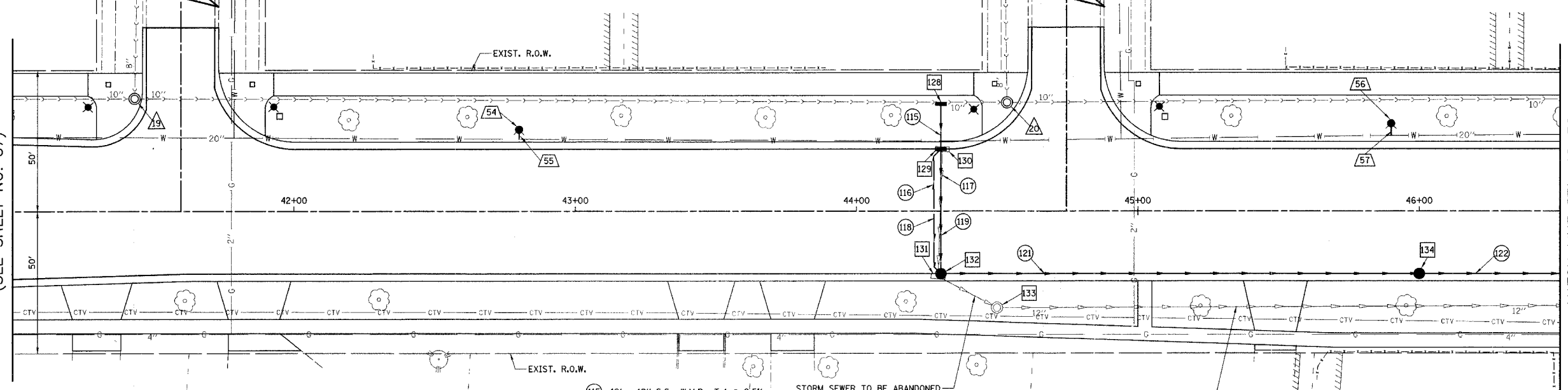
- 128 STA. 44+30, 38' LT. INLET T-A T-B GRATE RIM = 764.48 INV = 762.27 (12" S)
- 129 STA. 44+30, 22' LT. INLET T-B SPECIAL F & G RIM = 765.76 INV = 762.21 (12" N) INV = 762.01 (12" S) INV = 762.26 (4" SW)
- 130 STA. 44+30.55, 21.96' LT. INLET TO BE REMOVED
- 131 STA. 44+29.02, 23.00' RT. INLET TO BE REMOVED
- 132 STA. 44+30, 22' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 766.20 INV = 761.79 (12" N) INV = 761.07 (12" E) INV = 762.70 (4" NW)
- 133 STA. 44+49.94, 33.98' RT. MH TO BE REMOVED
- 134 STA. 46+00, 22' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 762.33 INV = 758.58 (12" W) INV = 758.41 (12" E)
- 135 NOT USED

ROTHBURY COURT

HAMPSHIRE COURT

MATCH LINE STA. 41+00
(SEE SHEET NO. 57)

MATCH LINE STA. 46+50
(SEE SHEET NO. 59)

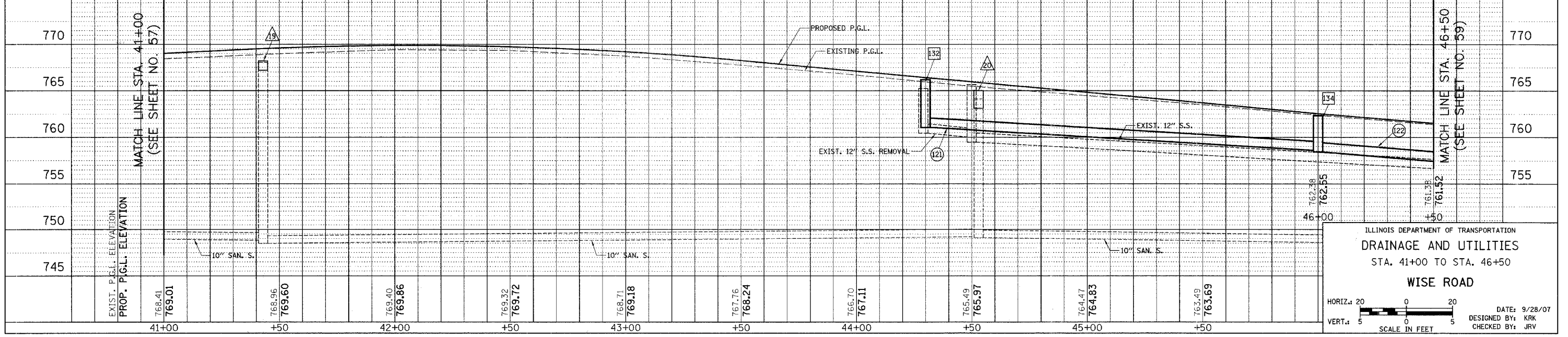


- 54 STA. 42+80, 29' LT. FIRE HYDRANT PRESSURE CONNECTION
- 55 4'-DUCTILE IRON WATERMAIN 6" T.B.F. = 0.7 CU. YD.
- 56 STA. 45+90, 31' LT. FIRE HYDRANT PRESSURE CONNECTION
- 57 5'-DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.

- 115 12' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 1.6 CU. YD.
- 116 22' - PIPE UNDERDRAIN, 4"
- 117 42' - 12" S.S. REMOVAL
- 118 22' - PIPE UNDERDRAIN, 4"
- 119 44' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.1 CU. YD.
- 120 NOT USED
- 121 166' - 12" S.S., CL. A, T-2 @ 1.5% T.B.F. = 37.6 CU. YD.
- 122 126' - 12" S.S., CL. A, T-1 @ 2.0% T.B.F. = 20.6 CU. YD.
- 123 NOT USED

- 19 STA. 41+43.37, 39.97' LT. SAN. MH TO BE RECONSTRUCTED (SPECIAL) EXIST. RIM = 768.03 PROP. RIM = 767.70 (ROTATE LID OUT OF DETECTABLE WARNINGS - AS DIRECTED BY ENGINEER)
- 20 STA. 44+53.49, 38.46' LT. SAN. MH TO BE ADJUSTED EXIST. RIM = 764.11 PROP. RIM = 764.80

WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 41+00 TO STA. 46+50
WISE ROAD

HORIZ. 1" = 20'
VERT. 1" = 5'
SCALE IN FEET

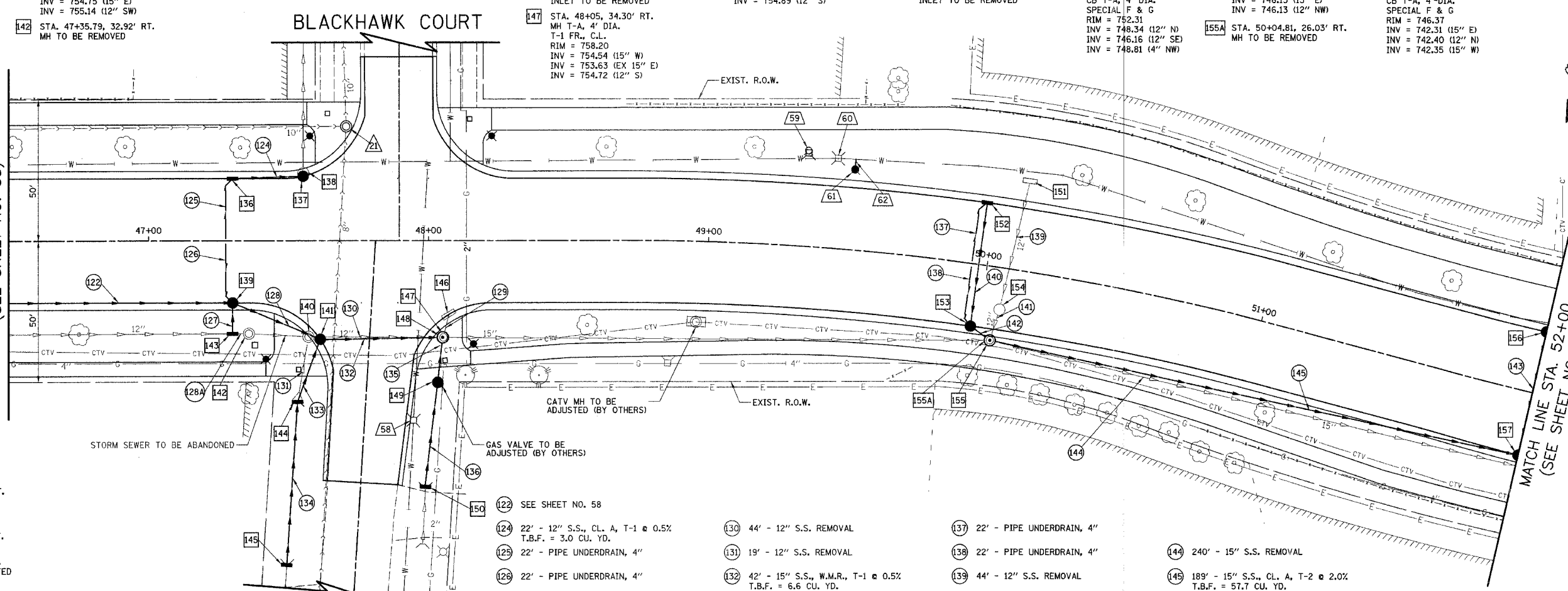
DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	59
STA. 46+50		TO STA. 52+00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-80035121		

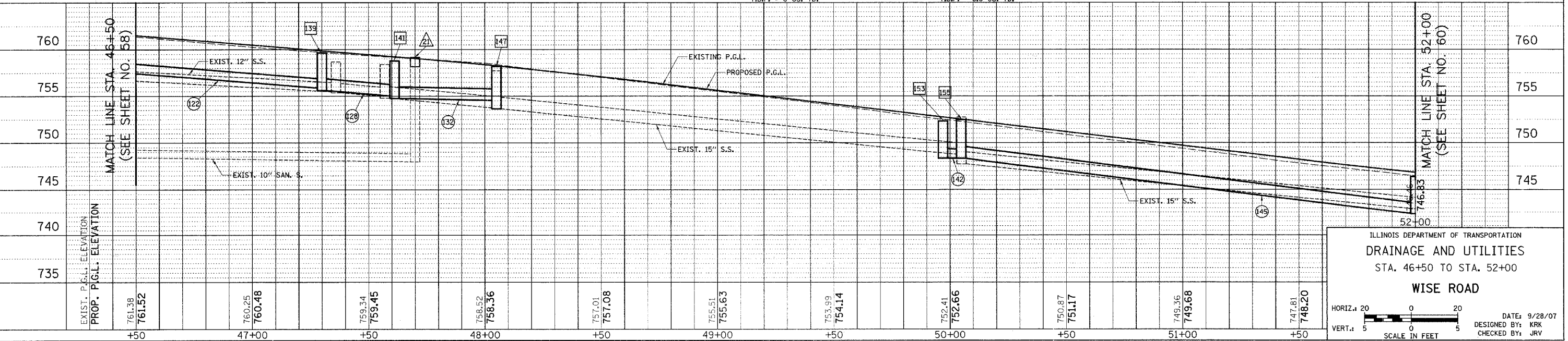
- 136 STA. 47+30, 22' LT. INLET T-A SPECIAL F & G RIM = 759.20 INV = 754.94 (12" E) INV = 755.70 (4" SW)
- 137 STA. 47+55.16, 22.80' LT. CB T-A, 4' DIA. SPECIAL F & G RIM = 758.80 INV = 755.83 (EX 12" N) INV = 755.83 (12" W)
- 138 STA. 47+55.16, 23.94' LT. CB TO BE REMOVED
- 139 STA. 47+30, 22' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 759.64 INV = 755.61 (15" SE) INV = 757.13 (12" S) INV = 755.89 (12" W) INV = 756.14 (4" NW)
- 140 STA. 47+57.06, 34.08' RT. MH TO BE REMOVED
- 141 STA. 47+61.28, 34.94' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 758.76 INV = 755.01 (15" NW) INV = 754.75 (15" E) INV = 755.14 (12" SW)
- 142 STA. 47+35.79, 32.92' RT. MH TO BE REMOVED
- 143 STA. 47+30, 32.93' RT. INLET T-A T-8 GRATE RIM = 759.37 INV = 757.16 (12" N)
- 144 STA. 47+53.16, 57.07' RT. INLET T-B T-8 GRATE RIM = 758.58 INV = 755.24 (12" NE) INV = 755.39 (12" S)
- 145 STA. 47+49, 115' RT. INLET T-B T-1 FR., C.L., SPECIAL RIM = 759.67 INV = 757.91 (EX 12" S) INV = 755.67 (12" N)
- 146 STA. 48+07.21, 26.21' RT. INLET TO BE REMOVED
- 147 STA. 48+05, 34.30' RT. MH T-A, 4' DIA. T-1 FR., C.L. RIM = 758.20 INV = 754.54 (15" W) INV = 753.63 (EX 15" E) INV = 754.72 (12" S)
- 148 STA. 48+05.27, 34.30' RT. MH TO BE REMOVED
- 149 STA. 48+03.22, 50.20' RT. CB T-A, 4' DIA. T-8 GRATE RIM = 757.80 INV = 754.78 (12" N) INV = 754.89 (12" S)
- 150 STA. 47+99, 87.25' RT. INLET T-A T-1 FR., C.L., SPECIAL RIM = 759.06 INV = 757.62 (EX 12" S) INV = 755.06 (12" N)
- 151 STA. 50+10.63, 31.86' LT. INLET TO BE REMOVED
- 152 STA. 49+97, 22' LT. INLET T-A SPECIAL F & G RIM = 752.31 INV = 748.56 (12" S) INV = 748.81 (4" SW)
- 153 STA. 49+97, 22' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 752.31 INV = 748.34 (12" N) INV = 746.16 (12" SE) INV = 748.81 (4" NW)
- 154 STA. 50+06.66, 14.80' RT. CB TO BE REMOVED
- 155 STA. 50+04.81, 26.03' RT. MH T-A, 4' DIA. T-1 FR., C.L. RIM = 752.46 INV = 748.73 (EX 15" W) INV = 746.13 (15" E) INV = 746.13 (12" NW)
- 155A STA. 50+04.81, 26.03' RT. MH TO BE REMOVED
- 156 STA. 52+00, 22' LT. CB T-A, 4' DIA. SPECIAL F & G RIM = 746.39 INV = 742.64 (12" S) INV = 743.24 (12" NE)
- 157 STA. 52+00, 22.83' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 746.37 INV = 742.31 (15" E) INV = 742.40 (12" N) INV = 742.35 (15" W)

MATCH LINE STA. 46+50 (SEE SHEET NO. 58)

MATCH LINE STA. 52+00 (SEE SHEET NO. 60)



- 58 STA. 47+94.55, 63.67' RT. V.V. TO BE ADJUSTED EXIST. RIM = 758.24 PROP. RIM = 758.55
- 59 STA. 49+33.55, 33.88' LT. F.H. TO BE REMOVED
- 60 STA. 49+43.91, 31.94' LT. V.V. TO BE RECONSTRUCTED EXIST. RIM = 755.82 PROP. RIM = 755.75
- 61 STA. 49+50, 28.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 62 4' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 122 SEE SHEET NO. 58
- 124 22' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 3.0 CU. YD.
- 125 22' - PIPE UNDERDRAIN, 4"
- 126 22' - PIPE UNDERDRAIN, 4"
- 127 6' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 0.1 CU. YD.
- 128 30' - 15" S.S., CL. A, T-1 @ 0.5% T.B.F. = 4.9 CU. YD.
- 128A 6' - 12" S.S. REMOVAL
- 129 5' - 12" S.S. REMOVAL
- 130 44' - 12" S.S. REMOVAL
- 131 19' - 12" S.S. REMOVAL
- 132 42' - 15" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 6.6 CU. YD.
- 133 19' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 3.9 CU. YD.
- 134 57' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 0 CU. YD.
- 135 12' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 2.3 CU. YD.
- 136 35' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 0 CU. YD.
- 137 22' - PIPE UNDERDRAIN, 4"
- 138 22' - PIPE UNDERDRAIN, 4"
- 139 44' - 12" S.S. REMOVAL
- 140 44' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 7.2 CU. YD.
- 141 8' - 12" S.S. REMOVAL
- 142 3' - 12" S.S., CL. A, T-2 @ 1.0% T.B.F. = 1.9 CU. YD.
- 143 49' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.0 CU. YD.
- 144 240' - 15" S.S. REMOVAL
- 145 189' - 15" S.S., CL. A, T-2 @ 2.0% T.B.F. = 57.7 CU. YD.
- 146 NOT USED
- 147 STA. 47+70.56, 40.41' LT. SAN. MH TO BE ADJUSTED EXIST. RIM = 759.08 PROP. RIM = 759.16

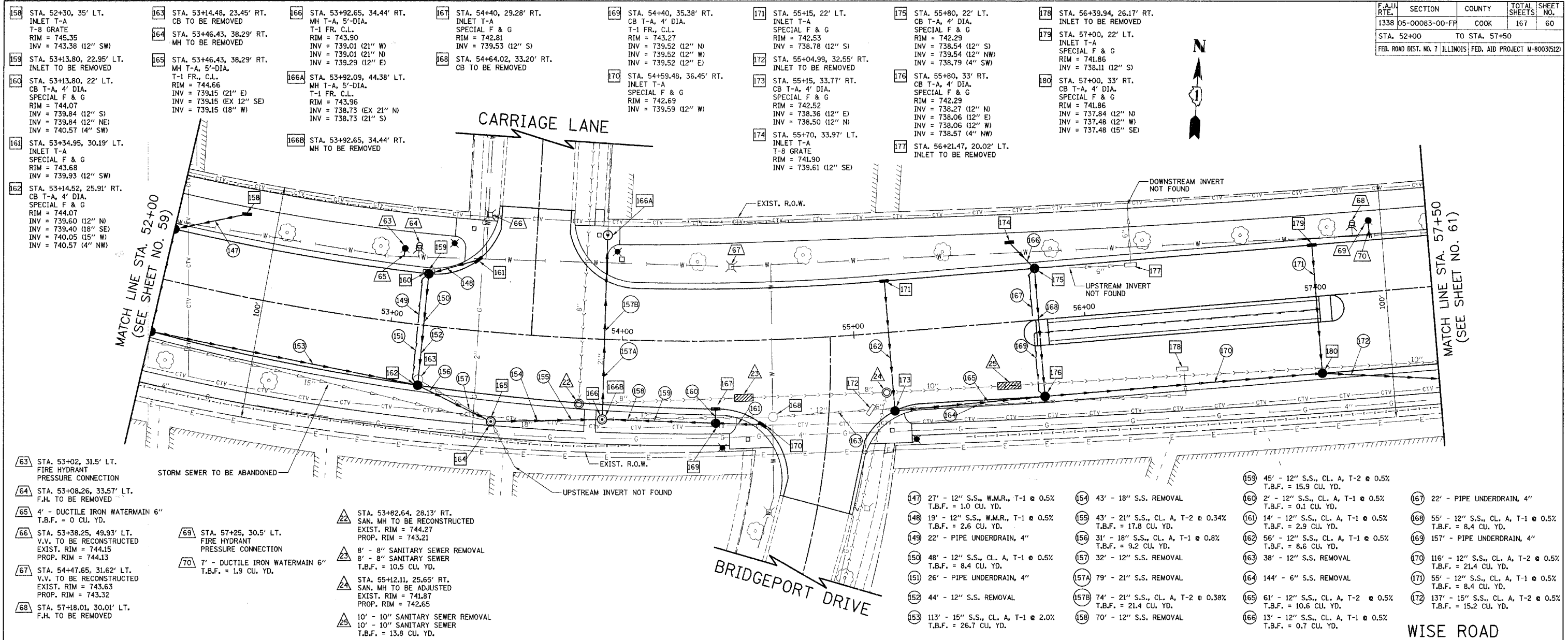


ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 46+50 TO STA. 52+00
WISE ROAD

HORIZ.: 20
VERT.: 5

DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	60
STA. 52+00		TO STA. 57+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		



- 158 STA. 52+30, 35' LT. INLET T-A T-8 GRATE RIM = 745.35 INV = 743.38 (12" SW)
- 159 STA. 53+13.80, 22.95' LT. INLET TO BE REMOVED
- 160 STA. 53+13.80, 22' LT. CB T-A, 4' DIA. SPECIAL F & G RIM = 744.07 INV = 739.84 (12" S) INV = 739.84 (12" NE) INV = 740.57 (4" SW)
- 161 STA. 53+34.95, 30.19' LT. INLET T-A SPECIAL F & G RIM = 743.68 INV = 739.93 (12" SW)
- 162 STA. 53+14.52, 25.91' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 744.07 INV = 739.60 (12" N) INV = 739.40 (18" SE) INV = 740.05 (15" W) INV = 740.57 (4" NW)
- 163 STA. 53+14.48, 23.45' RT. CB TO BE REMOVED
- 164 STA. 53+46.43, 38.29' RT. MH TO BE REMOVED
- 165 STA. 53+46.43, 38.29' RT. MH T-A, 5'-DIA. T-1 FR., C.L. RIM = 744.66 INV = 739.15 (21" E) INV = 739.15 (EX 12" SE) INV = 739.15 (18" W)
- 166 STA. 53+92.65, 34.44' RT. MH T-A, 5'-DIA. T-1 FR., C.L. RIM = 743.90 INV = 739.01 (21" W) INV = 739.01 (21" N) INV = 739.29 (12" E)
- 166A STA. 53+92.09, 44.38' LT. MH T-A, 5'-DIA. T-1 FR., C.L. RIM = 743.96 INV = 738.73 (EX 21" N) INV = 738.73 (21" S)
- 166B STA. 53+92.65, 34.44' RT. MH TO BE REMOVED
- 167 STA. 54+40, 29.28' RT. INLET T-A SPECIAL F & G RIM = 742.81 INV = 739.53 (12" S)
- 168 STA. 54+64.02, 33.20' RT. CB TO BE REMOVED
- 169 STA. 54+40, 35.38' RT. CB T-A, 4' DIA. T-1 FR., C.L. RIM = 743.27 INV = 739.52 (12" N) INV = 739.52 (12" W) INV = 739.52 (12" E)
- 170 STA. 54+59.48, 36.45' RT. INLET T-A SPECIAL F & G RIM = 742.69 INV = 739.59 (12" W)
- 171 STA. 55+15, 22' LT. INLET T-A SPECIAL F & G RIM = 742.53 INV = 738.78 (12" S)
- 172 STA. 55+04.99, 32.55' RT. INLET TO BE REMOVED
- 173 STA. 55+15, 33.77' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 742.52 INV = 738.36 (12" E) INV = 738.50 (12" N)
- 174 STA. 55+70, 33.97' LT. INLET T-A T-8 GRATE RIM = 741.90 INV = 739.61 (12" SE)
- 175 STA. 55+80, 22' LT. CB T-A, 4' DIA. SPECIAL F & G RIM = 742.29 INV = 738.54 (12" S) INV = 739.54 (12" NW) INV = 738.79 (4" SW)
- 176 STA. 55+80, 33' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 742.29 INV = 738.27 (12" N) INV = 738.06 (12" E) INV = 738.06 (12" W) INV = 738.57 (4" NW)
- 177 STA. 56+21.47, 20.02' LT. INLET TO BE REMOVED
- 178 STA. 56+39.94, 26.17' RT. INLET TO BE REMOVED
- 179 STA. 57+00, 22' LT. INLET T-A SPECIAL F & G RIM = 741.86 INV = 738.11 (12" S)
- 180 STA. 57+00, 33' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 741.86 INV = 737.84 (12" N) INV = 737.48 (12" W) INV = 737.48 (15" SE)
- 63 STA. 53+02, 31.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 64 STA. 53+08.26, 33.57' LT. F.H. TO BE REMOVED
- 65 4' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 66 STA. 53+38.25, 49.93' LT. V.V. TO BE RECONSTRUCTED EXIST. RIM = 744.15 PROP. RIM = 744.13
- 67 STA. 54+47.65, 31.62' LT. V.V. TO BE RECONSTRUCTED EXIST. RIM = 743.63 PROP. RIM = 743.32
- 68 STA. 57+18.01, 30.01' LT. F.H. TO BE REMOVED
- 22 STA. 53+82.64, 28.13' RT. SAN. MH TO BE RECONSTRUCTED EXIST. RIM = 744.27 PROP. RIM = 743.21
- 23 8' - 8" SANITARY SEWER REMOVAL
- 24 8' - 8" SANITARY SEWER T.B.F. = 10.5 CU. YD.
- 25 STA. 55+12.11, 25.65' RT. SAN. MH TO BE ADJUSTED EXIST. RIM = 741.87 PROP. RIM = 742.65
- 26 10' - 10" SANITARY SEWER REMOVAL
- 27 10' - 10" SANITARY SEWER T.B.F. = 13.8 CU. YD.
- 47 27' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 1.0 CU. YD.
- 48 19' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 2.6 CU. YD.
- 49 22' - PIPE UNDERDRAIN, 4"
- 50 48' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.4 CU. YD.
- 51 26' - PIPE UNDERDRAIN, 4"
- 52 44' - 12" S.S. REMOVAL
- 53 113' - 15" S.S., CL. A, T-1 @ 2.0% T.B.F. = 26.7 CU. YD.
- 54 43' - 18" S.S. REMOVAL
- 55 43' - 21" S.S., CL. A, T-2 @ 0.34% T.B.F. = 17.8 CU. YD.
- 56 31' - 18" S.S., CL. A, T-1 @ 0.8% T.B.F. = 9.2 CU. YD.
- 57 32' - 12" S.S. REMOVAL
- 57A 79' - 21" S.S. REMOVAL
- 57B 74' - 21" S.S., CL. A, T-2 @ 0.38% T.B.F. = 21.4 CU. YD.
- 58 70' - 12" S.S. REMOVAL
- 59 45' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 15.9 CU. YD.
- 60 2' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 0.1 CU. YD.
- 61 14' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 2.9 CU. YD.
- 62 56' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.6 CU. YD.
- 63 38' - 12" S.S. REMOVAL
- 64 144' - 6" S.S. REMOVAL
- 65 61' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 10.6 CU. YD.
- 66 13' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 0.7 CU. YD.
- 67 22' - PIPE UNDERDRAIN, 4"
- 68 55' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.4 CU. YD.
- 69 157' - PIPE UNDERDRAIN, 4"
- 70 116' - 12" S.S., CL. A, T-2 @ 0.5% T.B.F. = 21.4 CU. YD.
- 71 55' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.4 CU. YD.
- 72 137' - 15" S.S., CL. A, T-2 @ 0.5% T.B.F. = 15.2 CU. YD.

EXIST. P.G.L. ELEVATION	PROP. P.G.L. ELEVATION	52+00	+50	53+00	+50	54+00	+50	55+00	+50	56+00	+50	57+00									
750												750									
745												745									
740												740									
735												735									
730												730									
725												725									
		746.46	746.83	744.42	745.67	744.86	744.73	744.49	744.00	743.96	743.49	743.19	743.20	742.37	743.02	742.14	742.84	742.00	742.66	742.10	742.48

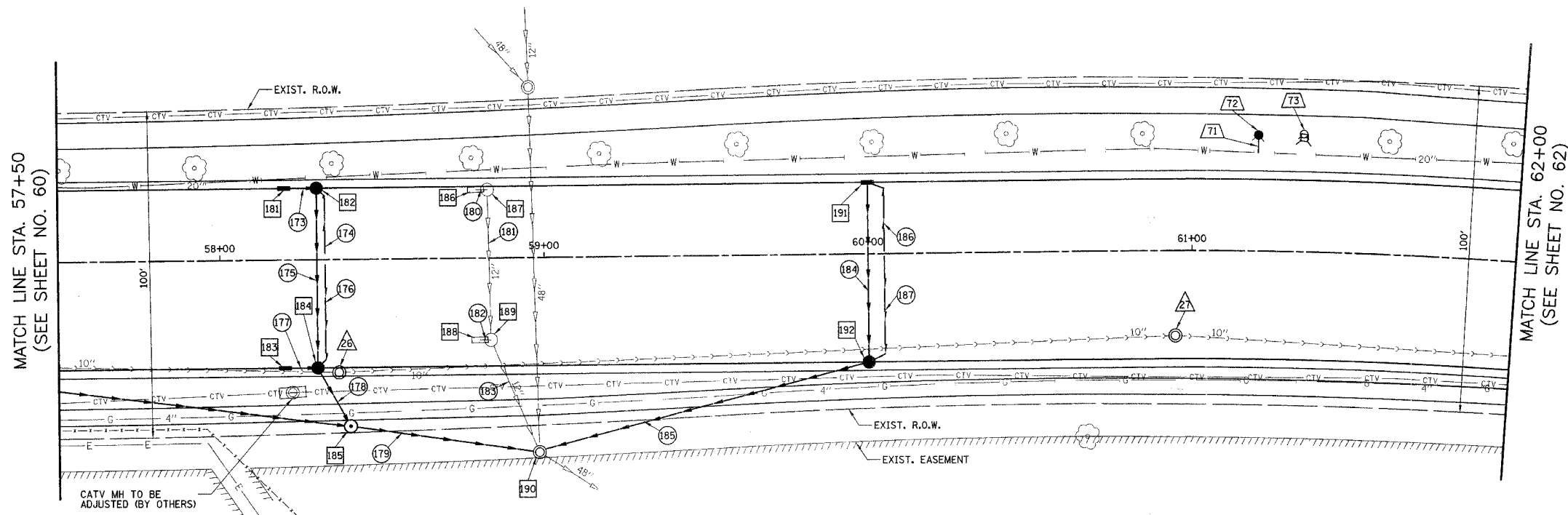
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
 STA. 52+00 TO STA. 57+50
WISE ROAD

HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	61
STA. 57+50		TO STA. 62+00		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

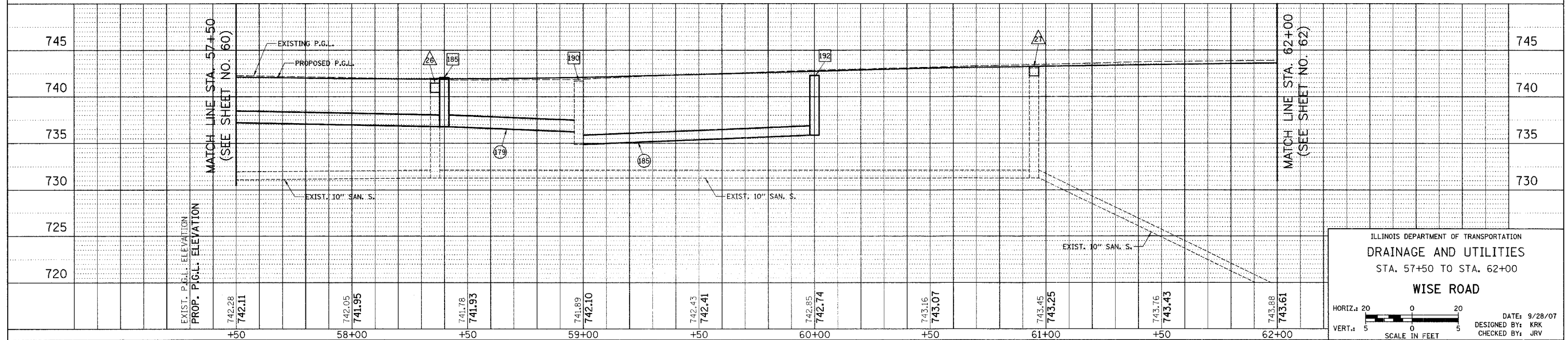
- 181 STA. 58+20, 22' LT. INLET T-A SPECIAL F & G RIM = 741.48 INV = 737.73 (12" E)
- 182 STA. 58+29.72, 22' LT. CB T-A, 4' DIA. SPECIAL F & G RIM = 741.46 INV = 737.70 (12" W) INV = 737.70 (12" S) INV = 737.96 (4" SE)
- 183 STA. 58+20, 33' RT. INLET T-A SPECIAL F & G RIM = 741.48 INV = 737.73 (12" E)
- 184 STA. 58+29.72, 33' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 741.46 INV = 737.43 (12" N) INV = 737.70 (12" W) INV = 737.23 (12" SE) INV = 737.74 (4" NE)
- 185 STA. 58+39.93, 51.12' RT. MH T-A, 4' DIA. T-1 FR., C.L. RIM = 742.06 INV = 737.15 (12" NW) INV = 736.80 (15" SE) INV = 736.80 (15" W)
- 186 STA. 58+79.17, 21.02' LT. INLET TO BE REMOVED
- 187 STA. 58+82.66, 21.00' LT. CB TO BE REMOVED
- 188 STA. 58+80.06, 25.01' RT. INLET TO BE REMOVED
- 189 STA. 58+83.44, 25.02' RT. CB TO BE REMOVED
- 190 STA. 58+98.11, 59.67' RT. MH TO BE ADJUSTED EX RIM = 741.68 PR RIM = 741.68 INV = 734.98 (EX. 48" N) INV = 734.88 (EX. 48" SE) INV = 734.88 (12" NE) INV = 736.25 (15" NW)
- 191 STA. 60+00, 22' LT. INLET T-A SPECIAL F & G RIM = 742.30 INV = 736.55 (12" S) INV = 738.80 (4" SE)
- 192 STA. 60+00, 33' RT. CB T-A, 4' DIA. SPECIAL F & G RIM = 742.30 INV = 737.88 (12" N) INV = 735.88 (12" SW) INV = 738.80 (4" NE)



- 71 6' - DUCTILE IRON WATERMAIN 6" T.B.F. = 0 CU. YD.
- 72 STA. 61+20, 35.5' LT. FIRE HYDRANT PRESSURE CONNECTION
- 73 STA. 61+33.66, 36.13' LT. F.H. TO BE REMOVED
- 173 7' - 12" S.S., W.M.R., T-1 @ 0.5% T.B.F. = 1.1 CU. YD.
- 174 22' - PIPE UNDERDRAIN, 4"
- 175 55' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 8.4 CU. YD.
- 176 33' - PIPE UNDERDRAIN, 4"
- 177 7' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.0 CU. YD.
- 178 15' - 12" S.S., CL. A, T-1 @ 0.5% T.B.F. = 1.0 CU. YD.
- 179 55' - 15" S.S., CL. A, T-2 @ 1.0% T.B.F. = 0 CU. YD.
- 180 1' - 12" S.S. REMOVAL
- 181 42' - 12" S.S. REMOVAL
- 182 1' - 12" S.S. REMOVAL
- 183 34' - 12" S.S. REMOVAL
- 184 55' - 12" S.S., CL. A, T-1 @ 1.2% T.B.F. = 10.2 CU. YD.
- 185 100' - 12" S.S., CL. A, T-2 @ 1.0% T.B.F. = 46.2 CU. YD.
- 186 24' - PIPE UNDERDRAIN, 4"
- 187 35' - PIPE UNDERDRAIN, 4"

- 26 STA. 58+36.48, 34.44' RT. SAN. MH TO BE RECONSTRUCTED EXIST. RIM = 741.99 PROP. RIM = 741.46
- 27 STA. 60+94.87, 26.00' RT. SAN. MH TO BE ADJUSTED EXIST. RIM = 743.08 PROP. RIM = 743.24

WISE ROAD



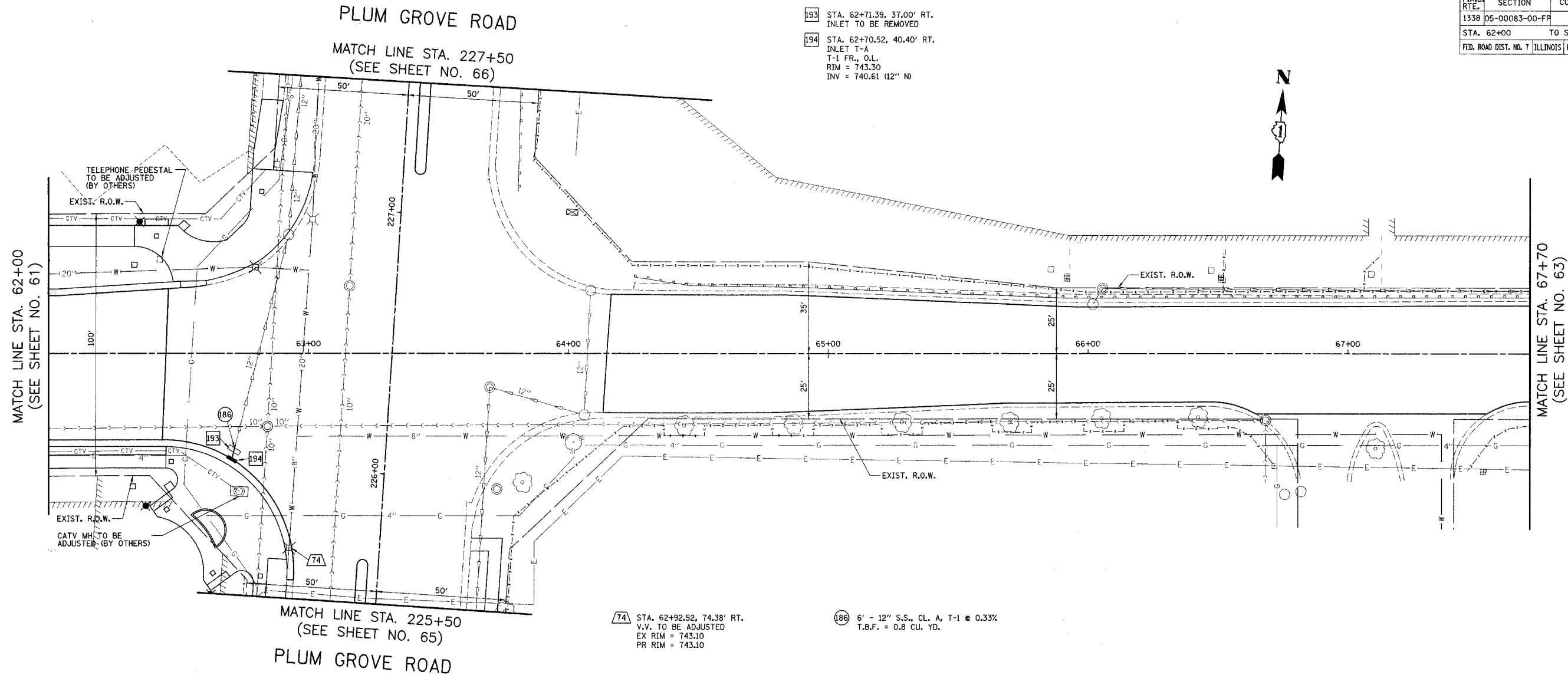
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRAINAGE AND UTILITIES
 STA. 57+50 TO STA. 62+00
 WISE ROAD

HORIZ. 20
 VERT. 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	62
STA. 62+00		TO STA. 67+70		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

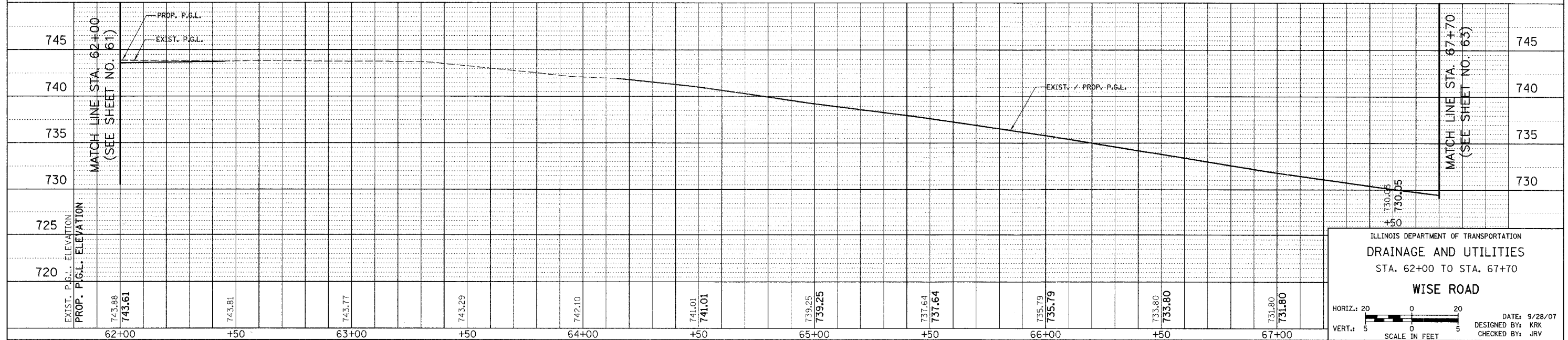
- 193 STA. 62+71.39, 37.00' RT.
INLET TO BE REMOVED
- 194 STA. 62+70.52, 40.40' RT.
INLET T-A
T-1 FR., O.L.
RIM = 743.30
INV = 740.61 (12" N)



74 STA. 62+92.52, 74.38' RT.
V.V. TO BE ADJUSTED
EX RIM = 743.10
PR RIM = 743.10

186 6' - 12" S.S., CL. A, T-1 @ 0.33%
T.B.F. = 0.8 CU. YD.

WISE ROAD



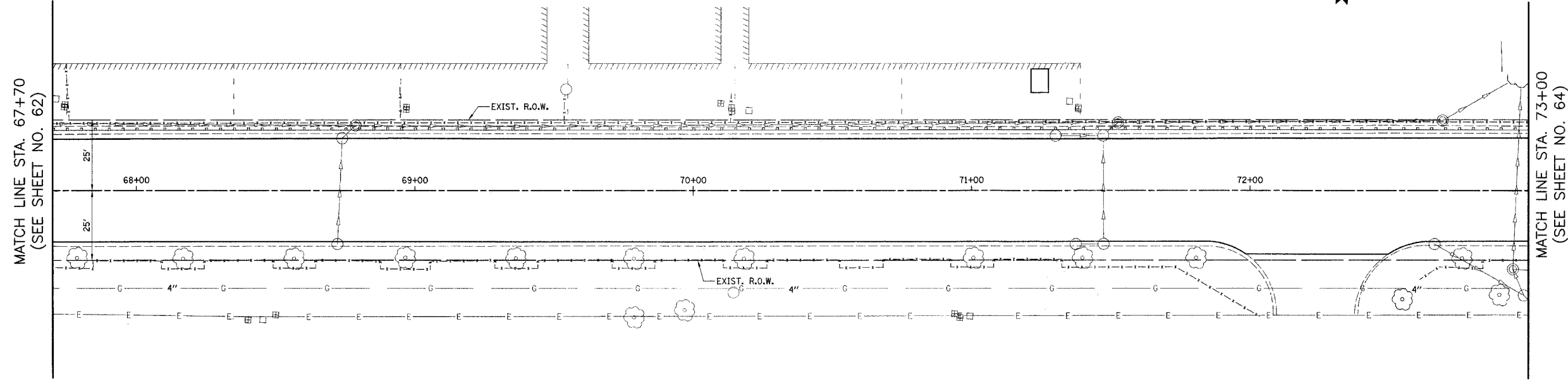
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 62+00 TO STA. 67+70
WISE ROAD

HORIZ.: 20
VERT.: 5
SCALE IN FEET

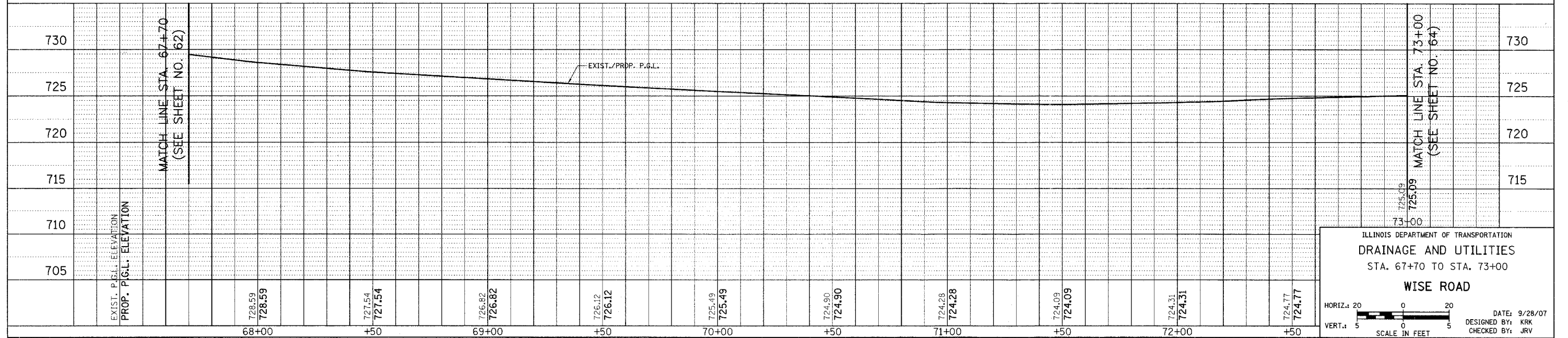
DATE: 9/28/07
DESIGNED BY: KRK
CHECKED BY: JRV

EXIST. P.G.L. ELEVATION	PROP. P.S.L. ELEVATION	STATION
743.88	743.61	62+00
		+50
743.81		63+00
		+50
743.77		64+00
		+50
742.10		65+00
		+50
741.01	741.01	66+00
		+50
739.25	739.25	67+00
		+50
737.64	737.64	67+70
		+50
735.79	735.79	67+70
		+50
733.80	733.80	67+70
		+50
731.80	731.80	67+70
		+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	63
STA. 67+70		TO STA. 73+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
 STA. 67+70 TO STA. 73+00
WISE ROAD

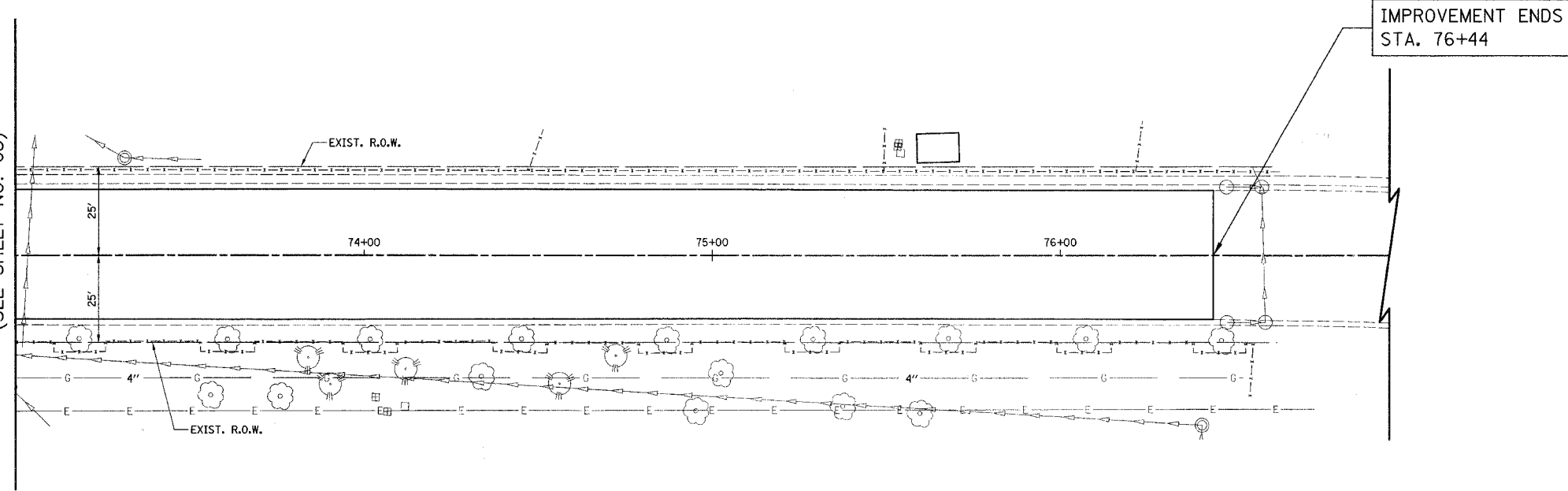
HORIZ.: 20
 VERT.: 5
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

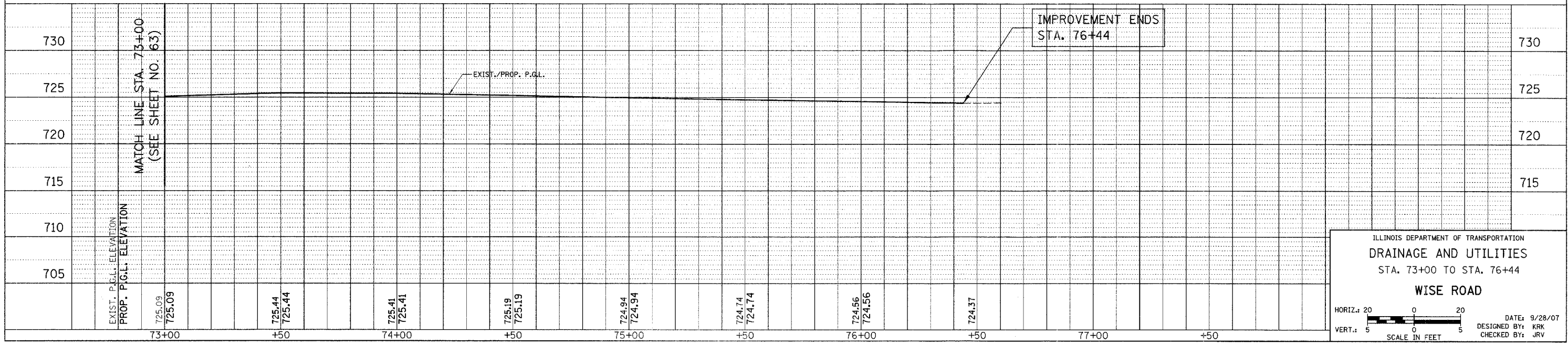
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	64
STA. 73+00		TO STA. 76+44		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		



MATCH LINE STA. 73+00
(SEE SHEET NO. 63)



WISE ROAD



ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
 STA. 73+00 TO STA. 76+44
WISE ROAD

HORIZ.: 20' SCALE IN FEET
 VERT.: 5' SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRJ

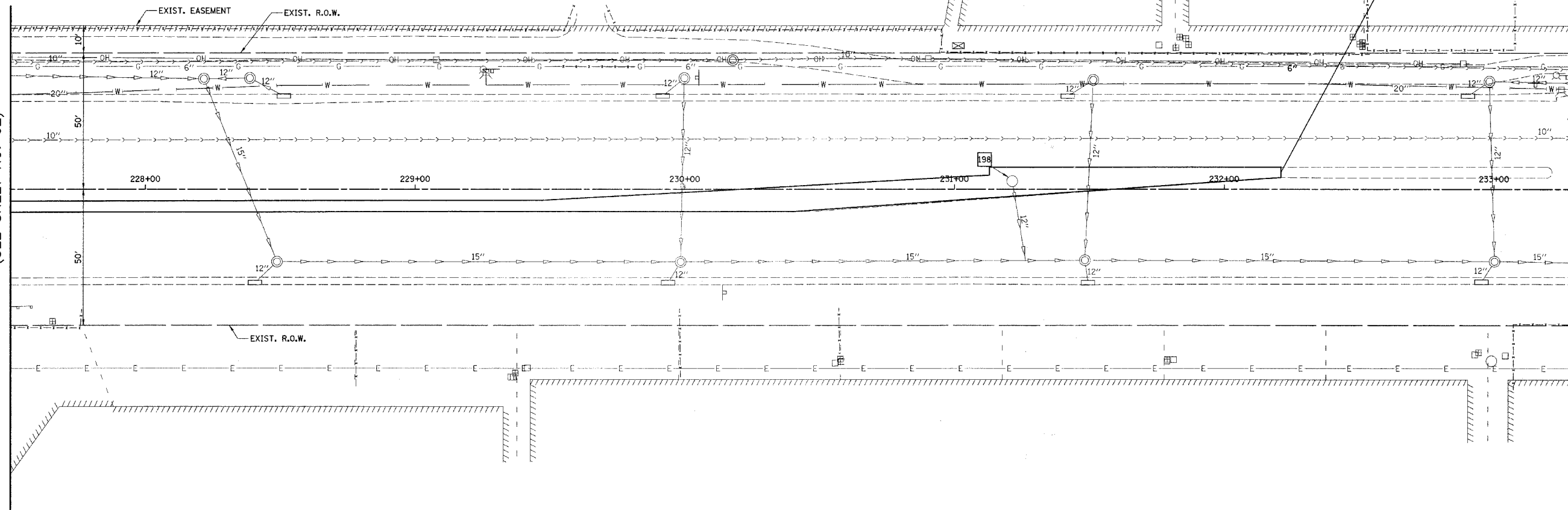
198 STA. 231+21, 3' LT.
CB TO BE FILLED

CONTRACT NO. 83980				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	66
STA. 227+50		TO STA. 232+21		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(5)2				

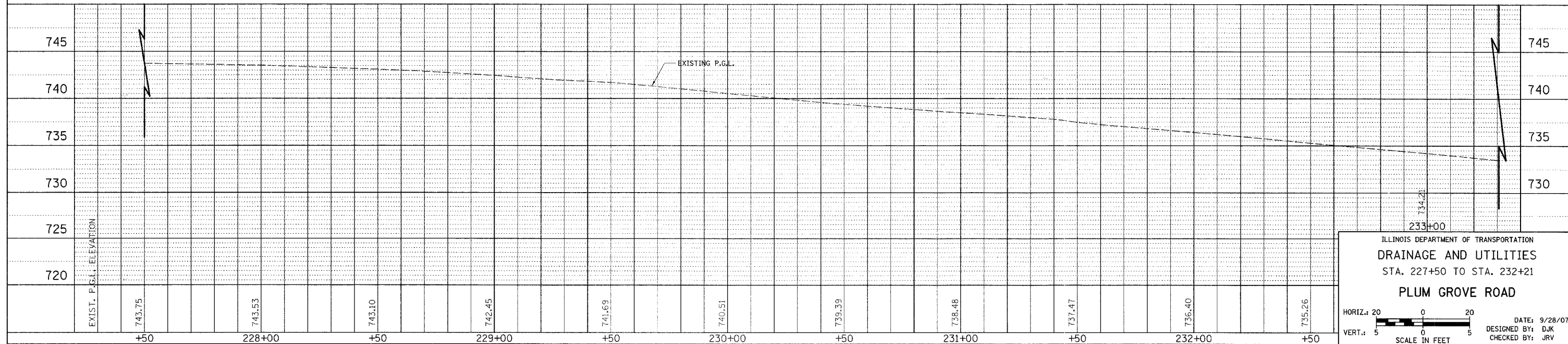


IMPROVEMENT ENDS
STA. 232+21

MATCH LINE STA. 227+50
(SEE SHEET NO. 62)



PLUM GROVE ROAD

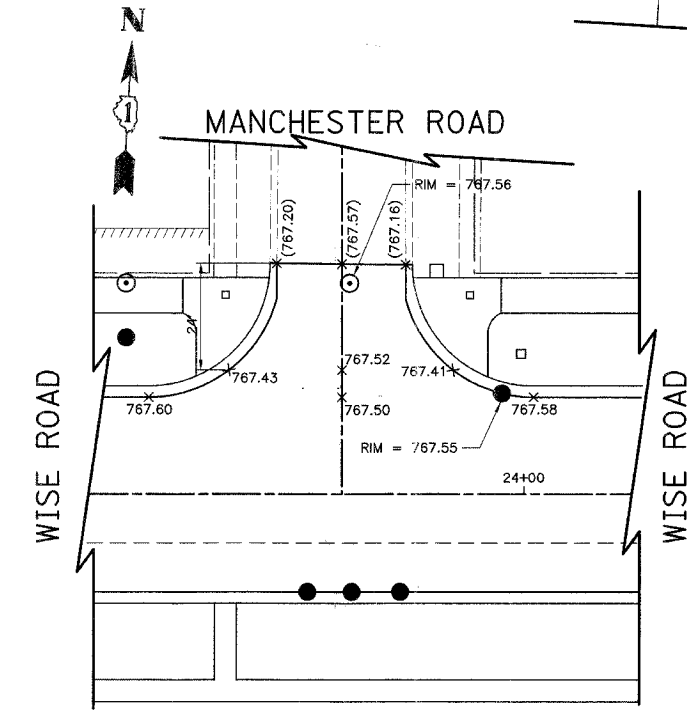
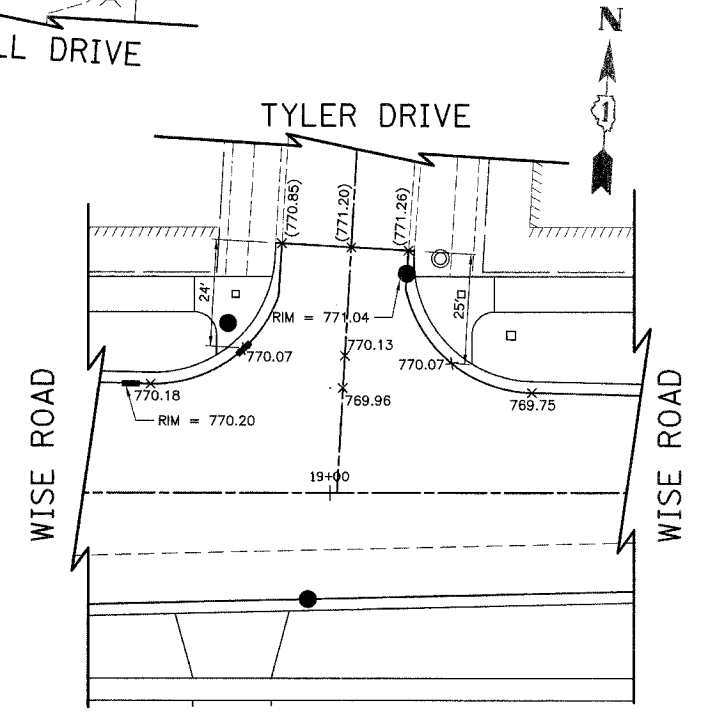
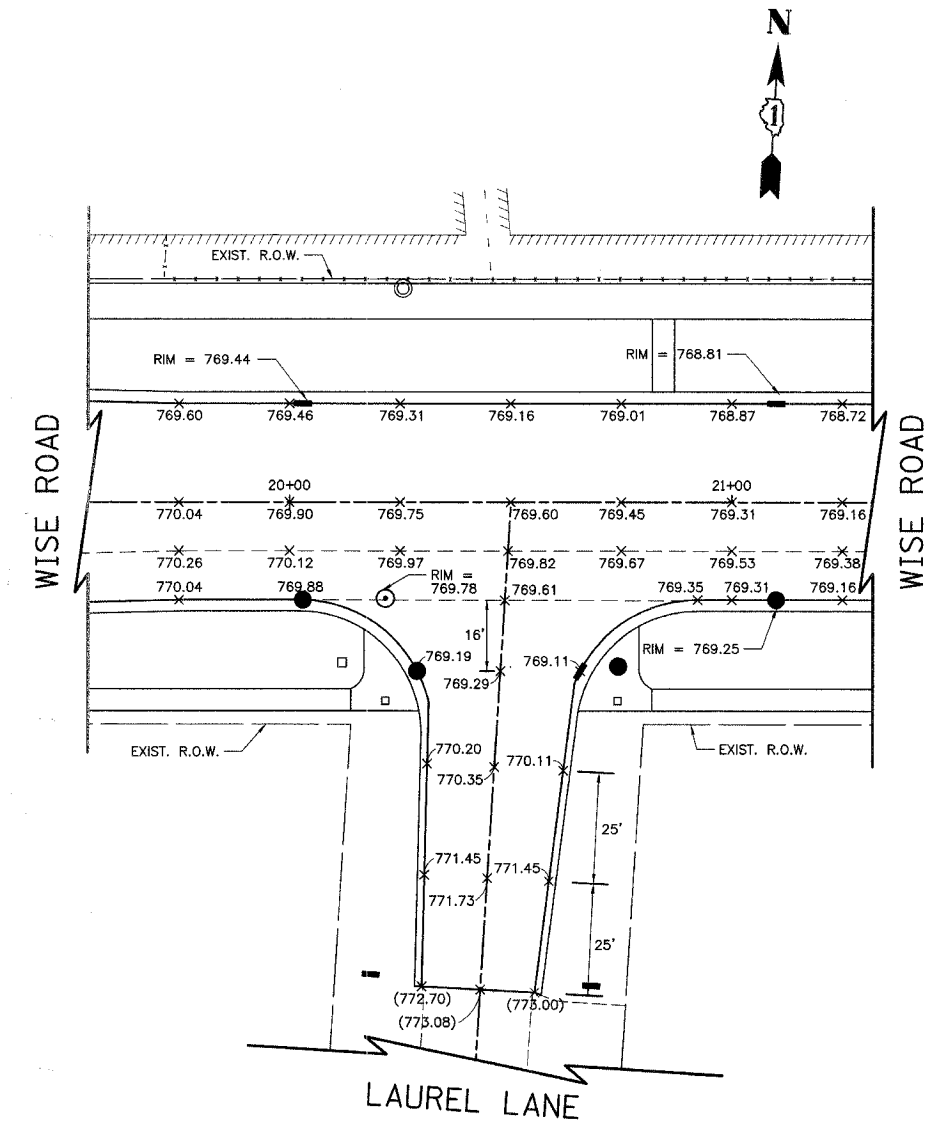
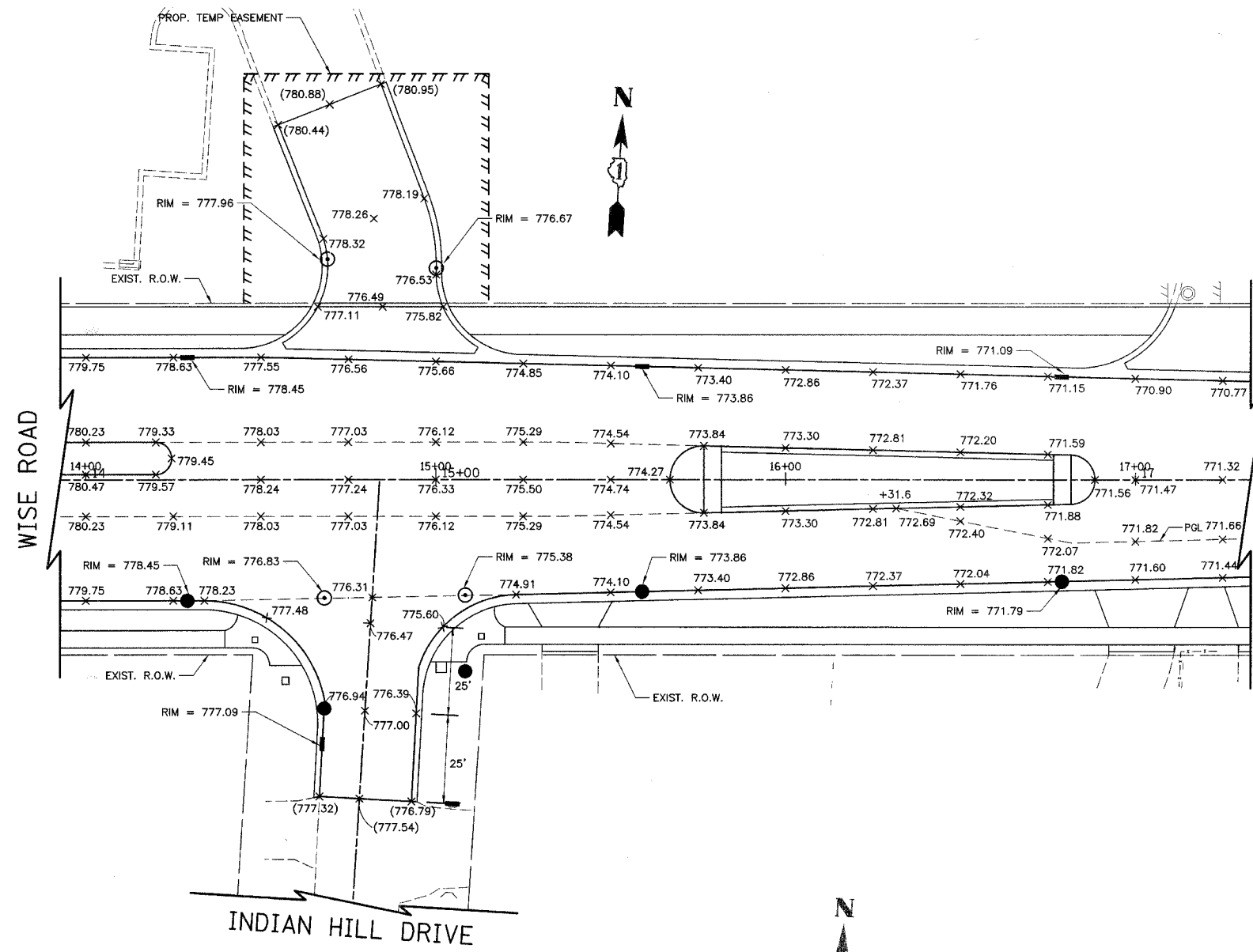


ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITIES
STA. 227+50 TO STA. 232+21
PLUM GROVE ROAD

HORIZ.: 20
VERT.: 5
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	67
INTERSECTION GRADING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003512				



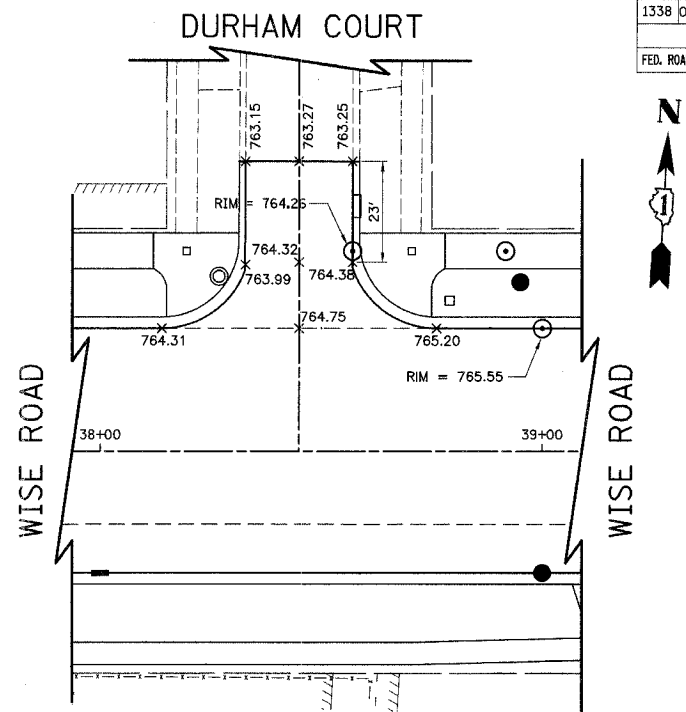
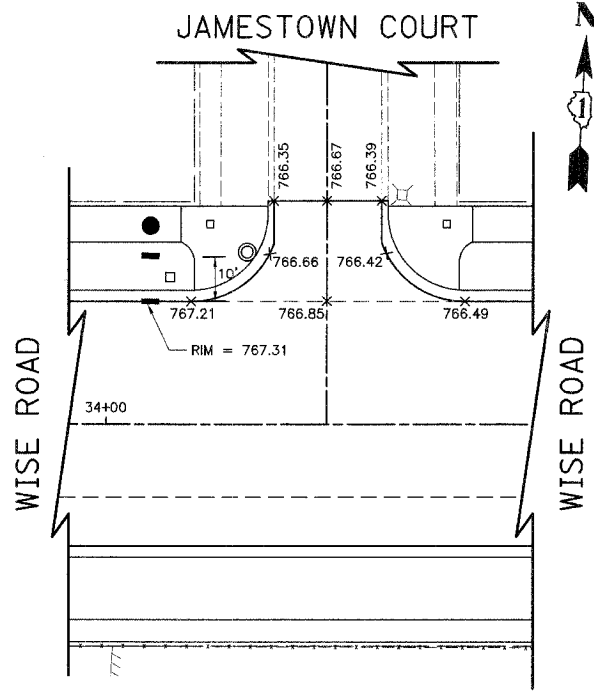
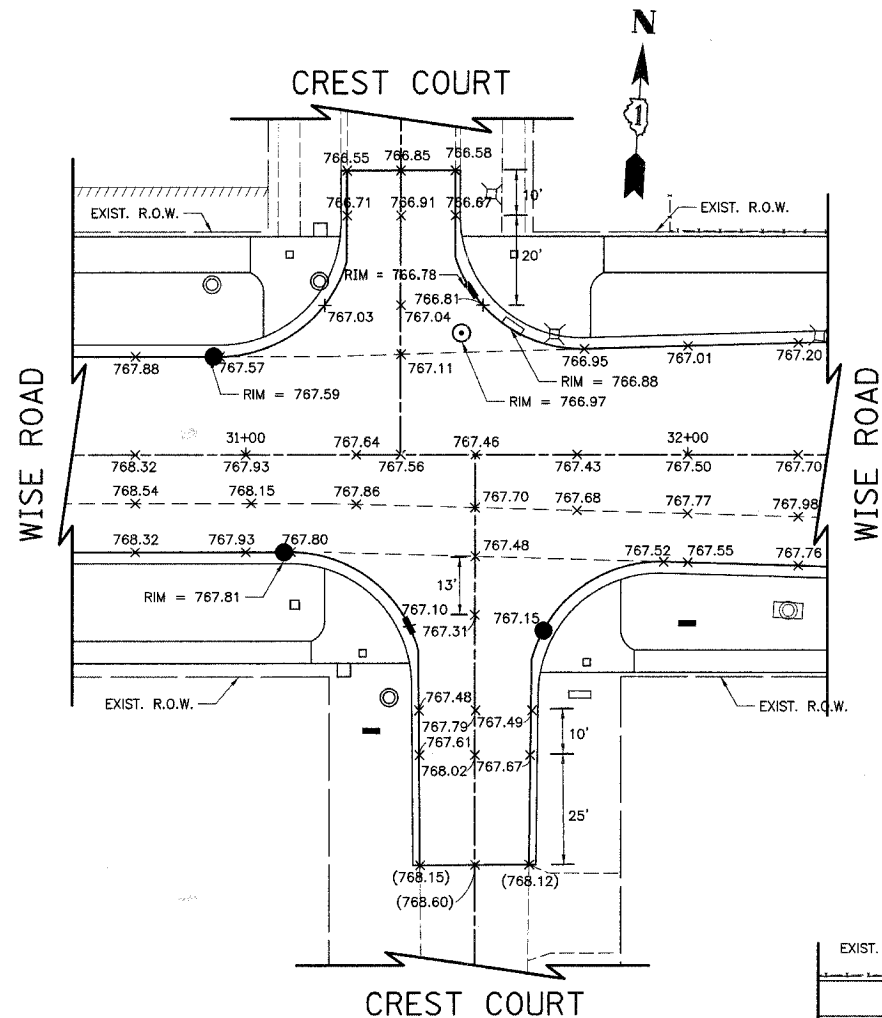
LEGEND
 (XXX.XX) EXISTING ELEVATION
 XXX.XX PROPOSED ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION GRADING PLAN
 INDIAN HILL DRIVE/WISE ROAD
 TYLER DRIVE/WISE ROAD
 LAUREL LANE/WISE ROAD
 & MANCHESTER ROAD/WISE ROAD

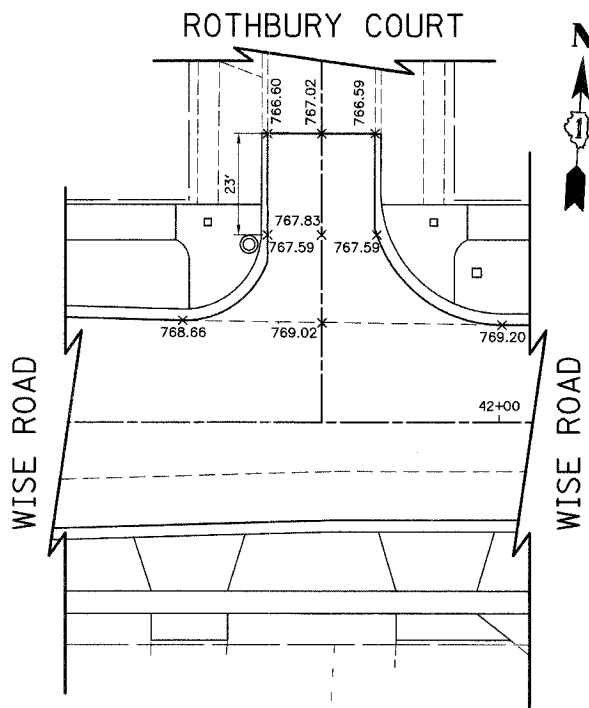
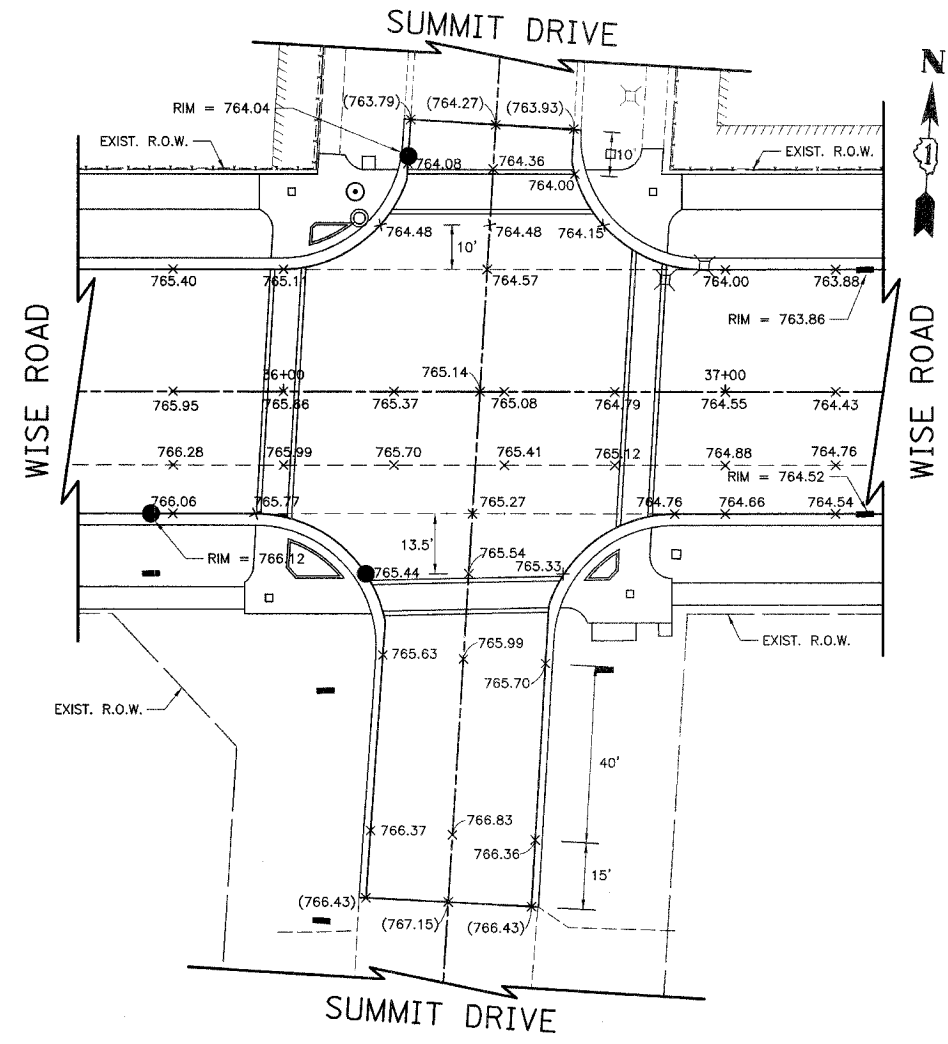
DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

SCALE IN FEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FR	COOK	167	68
INTERSECTION GRADING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
THE PROPOSED GRADES AT THE LIMITS OF RECONSTRUCTION ON THE CUL-DE-SACS HAVE BEEN SHOWN 1/2" ABOVE THE EXISTING GRADE TO ACCOUNT FOR THE PROPOSED RESURFACING OF THE CUL-DE-SACS.



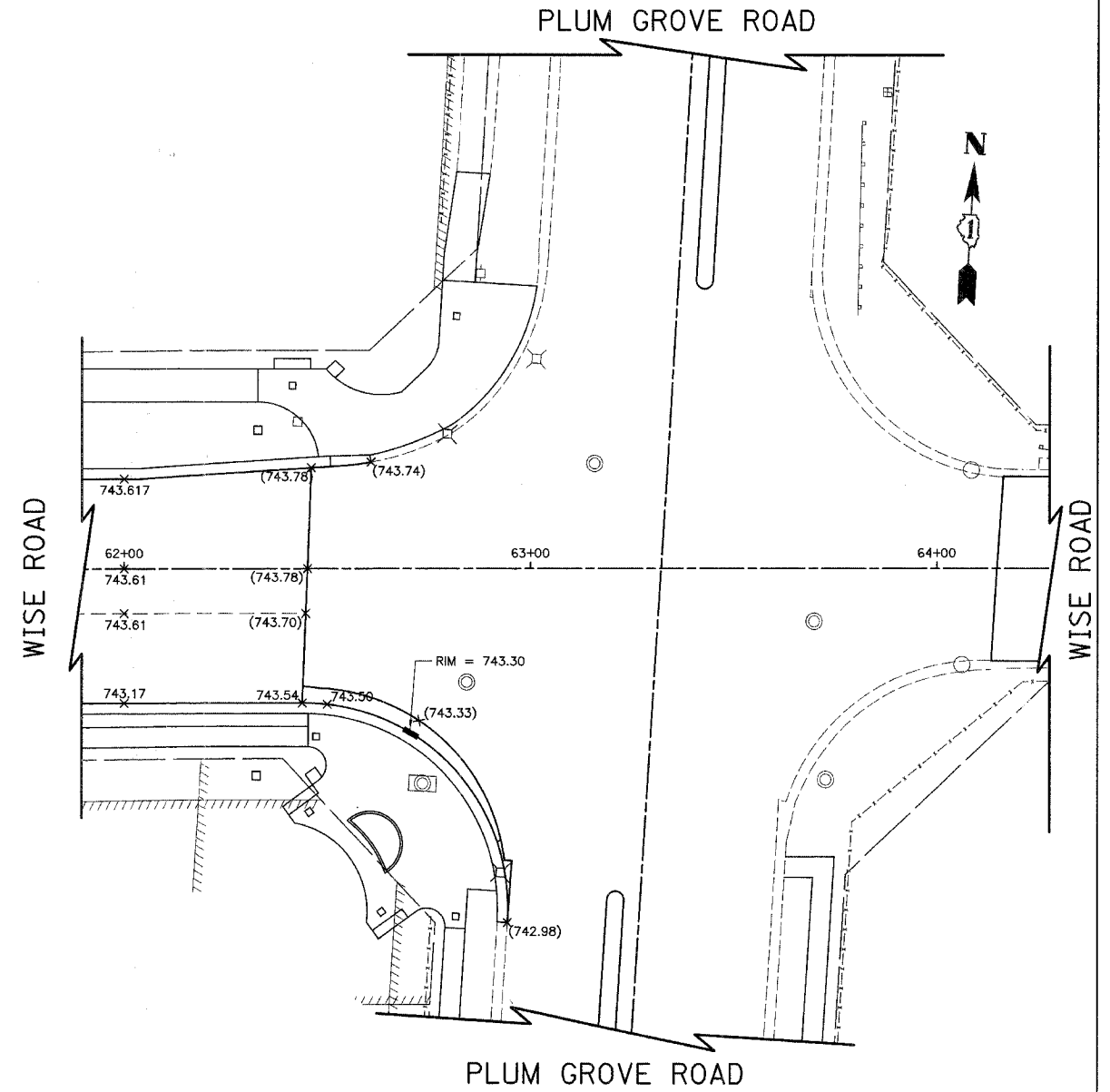
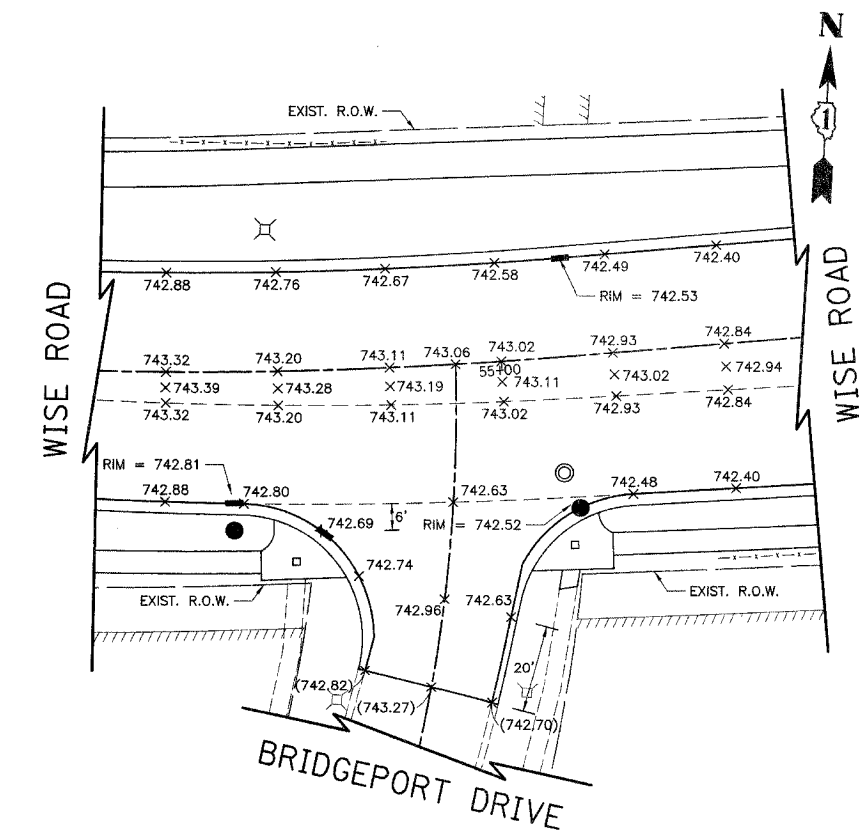
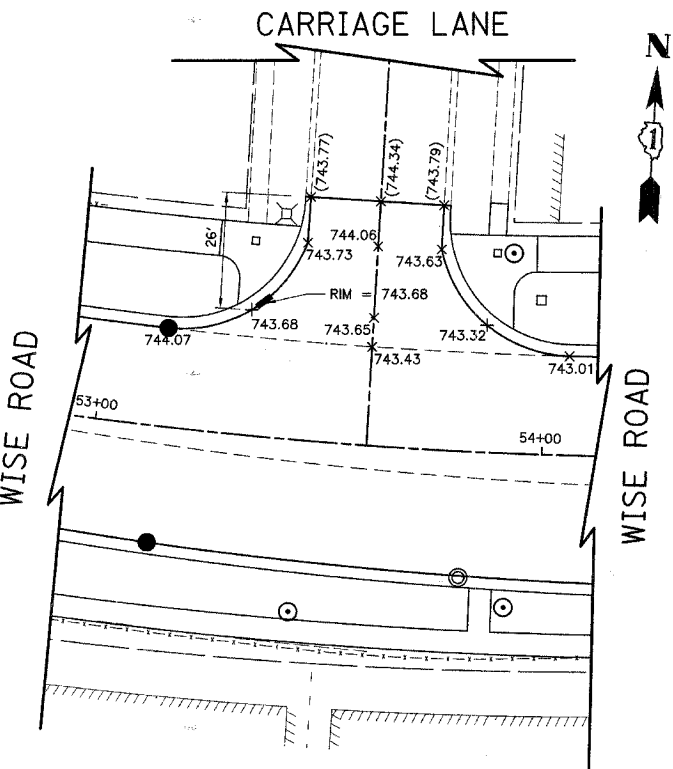
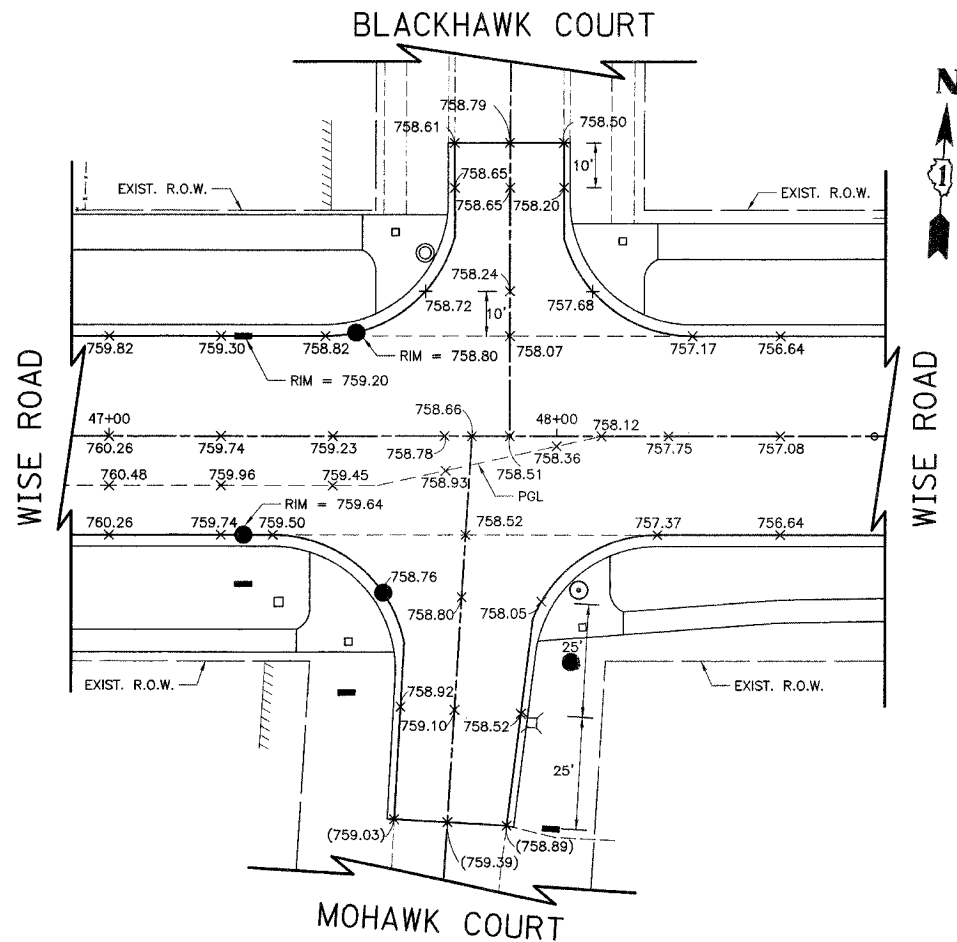
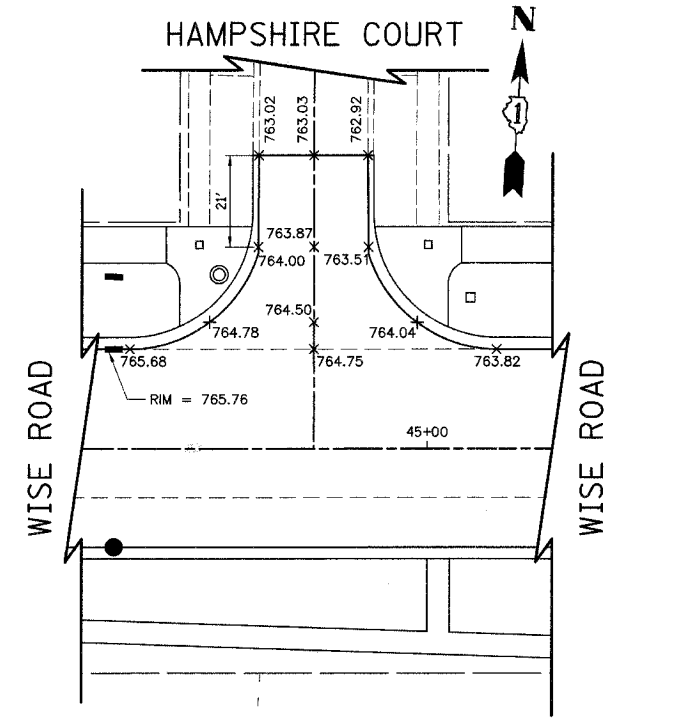
LEGEND
 (XXX.XX) EXISTING ELEVATION
 XXX.XX PROPOSED ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION GRADING PLAN
 CREST COURT/WISE ROAD
 JAMESTOWN COURT/WISE ROAD
 SUMMIT DRIVE/WISE ROAD
 DURHAM COURT/WISE ROAD
 & ROTHBURY COURT/WISE ROAD

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

SCALE IN FEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	69
INTERSECTION GRADING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
THE PROPOSED GRADES AT THE LIMITS OF RECONSTRUCTION ON THE CUL-DE-SACS HAVE BEEN SHOWN 1/2" ABOVE THE EXISTING GRADE TO ACCOUNT FOR THE PROPOSED RESURFACING OF THE CUL-DE-SACS.

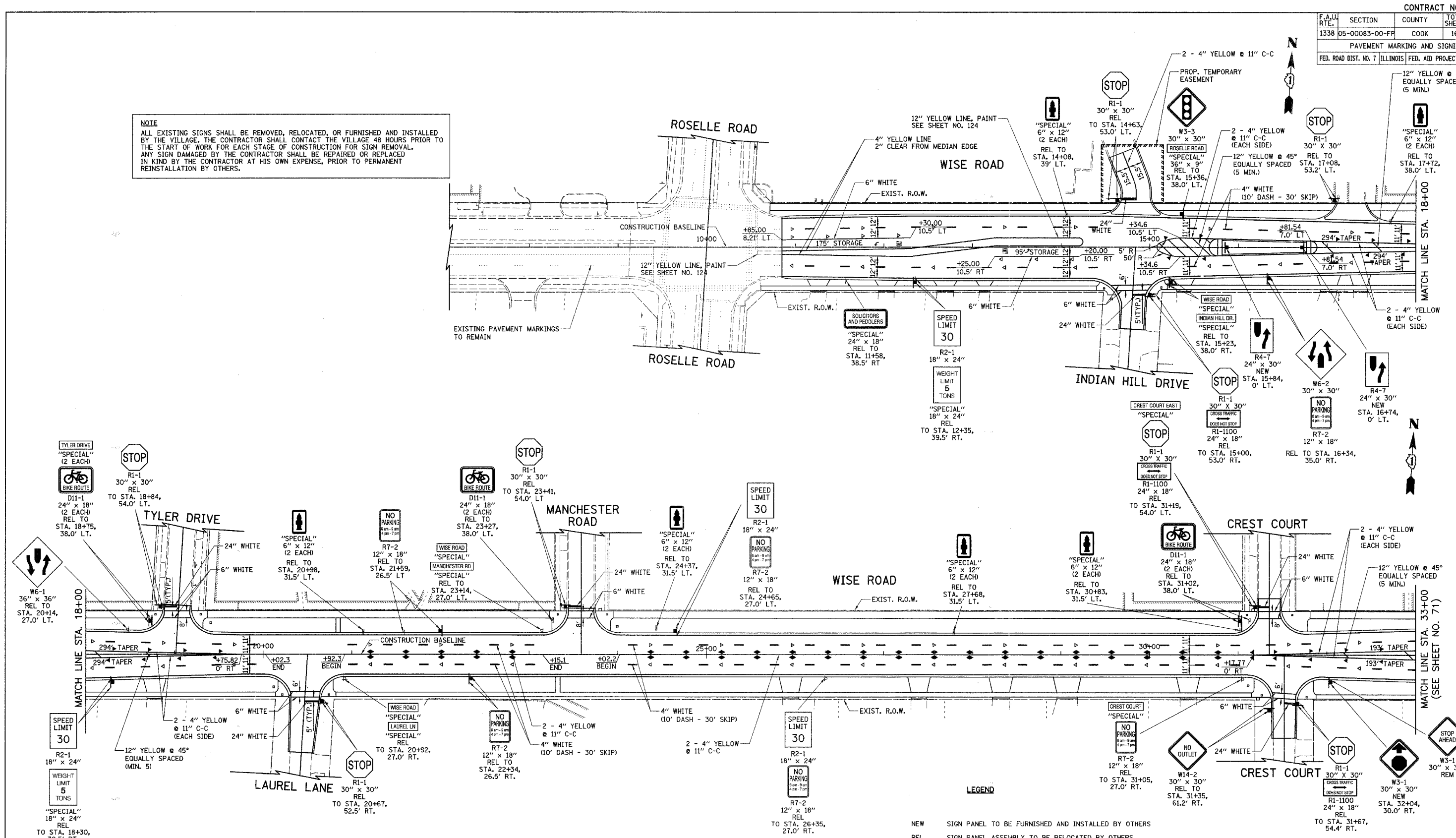
LEGEND
 (XXX.XX) EXISTING ELEVATION
 XXX.XX PROPOSED ELEVATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION GRADING PLAN
 HAMPSHIRE COURT/WISE ROAD
 BLACKHAWK COURT/MOHAWK COURT/WISE ROAD
 CARRIAGE LANE/WISE ROAD
 BRIDGEPORT DRIVE/WISE ROAD
 & PLUM GROVE ROAD/WISE ROAD

DATE: 9/28/07
 DESIGNED BY: KRK
 CHECKED BY: JRV

SCALE IN FEET

NOTE
 ALL EXISTING SIGNS SHALL BE REMOVED, RELOCATED, OR FURNISHED AND INSTALLED BY THE VILLAGE. THE CONTRACTOR SHALL CONTACT THE VILLAGE 48 HOURS PRIOR TO THE START OF WORK FOR EACH STAGE OF CONSTRUCTION FOR SIGN REMOVAL. ANY SIGN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE, PRIOR TO PERMANENT REINSTALLATION BY OTHERS.



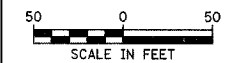
GENERAL NOTES

- DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
- SEE I.D.O.T. STANDARD TC-13 (SHEET NO. 128) FOR TURN LANE MARKING DETAILS.
- ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED.

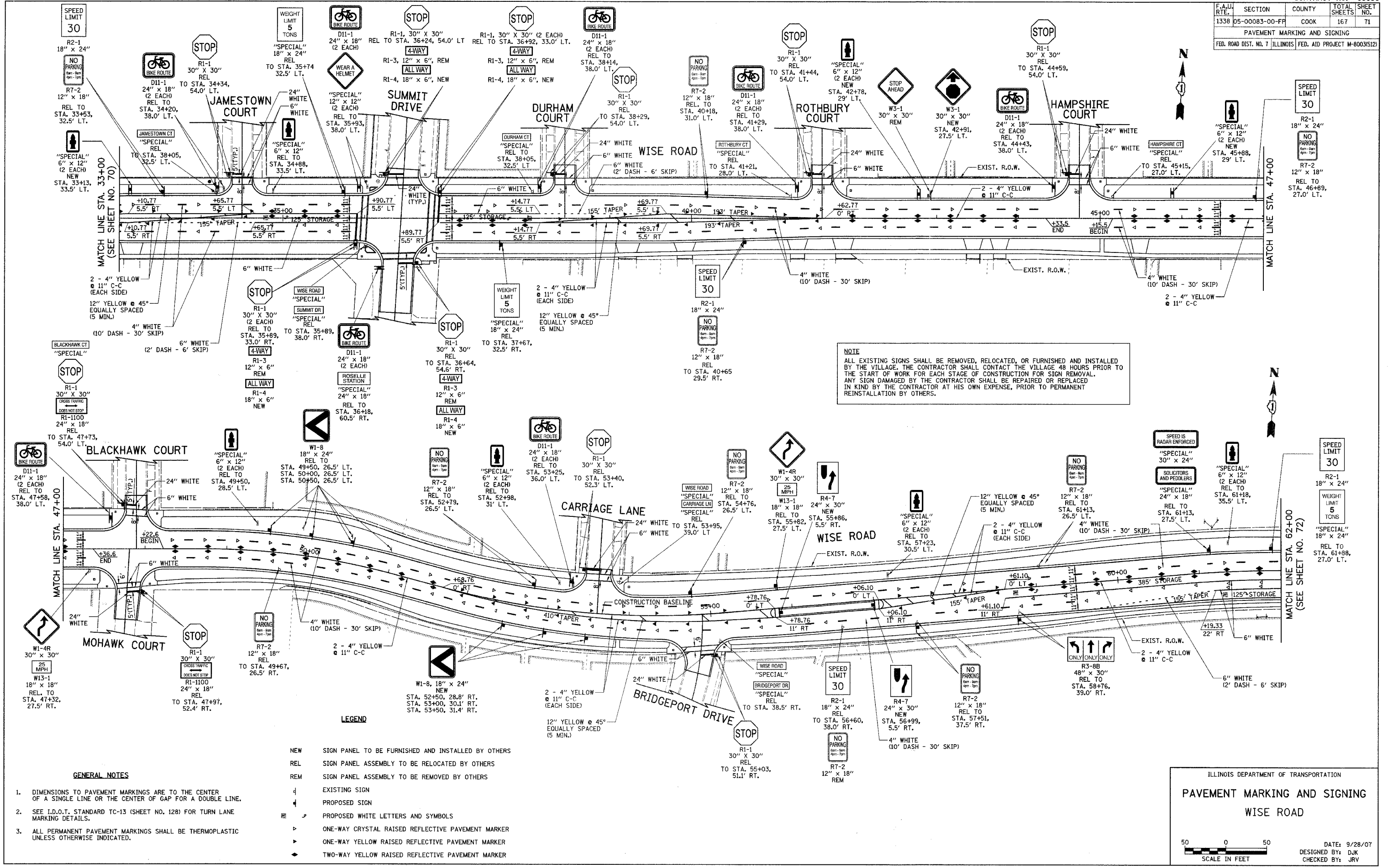
- LEGEND**
- NEW SIGN PANEL TO BE FURNISHED AND INSTALLED BY OTHERS
 - REL SIGN PANEL ASSEMBLY TO BE RELOCATED BY OTHERS
 - REM SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS
 - EXISTING SIGN
 - PROPOSED SIGN
 - PROPOSED WHITE LETTERS AND SYMBOLS
 - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER
 - ONE-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKER
 - TWO-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKER

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND SIGNING
WISE ROAD

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-0083-00-FF	COOK	167	71
PAVEMENT MARKING AND SIGNING				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE
 ALL EXISTING SIGNS SHALL BE REMOVED, RELOCATED, OR FURNISHED AND INSTALLED BY THE VILLAGE. THE CONTRACTOR SHALL CONTACT THE VILLAGE 48 HOURS PRIOR TO THE START OF WORK FOR EACH STAGE OF CONSTRUCTION FOR SIGN REMOVAL. ANY SIGN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE, PRIOR TO PERMANENT REINSTALLATION BY OTHERS.

- LEGEND**
- NEW SIGN PANEL TO BE FURNISHED AND INSTALLED BY OTHERS
 - REL SIGN PANEL ASSEMBLY TO BE RELOCATED BY OTHERS
 - REM SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS
 - EXISTING SIGN
 - PROPOSED SIGN
 - PROPOSED WHITE LETTERS AND SYMBOLS
 - ONE-WAY CRYSTAL RAISED REFLECTIVE PAVEMENT MARKER
 - ONE-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKER
 - TWO-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKER

- GENERAL NOTES**
- DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
 - SEE I.D.O.T. STANDARD TC-13 (SHEET NO. 128) FOR TURN LANE MARKING DETAILS.
 - ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

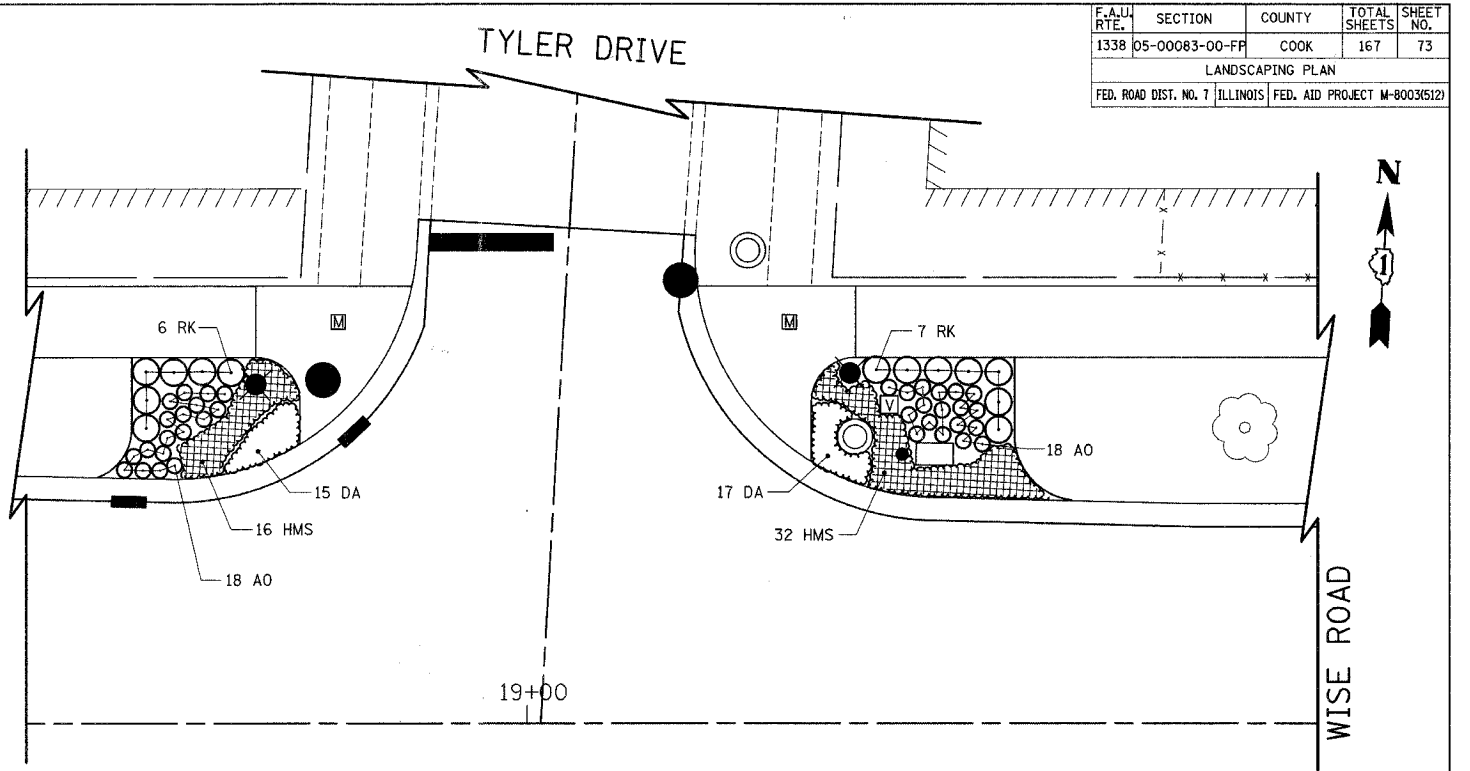
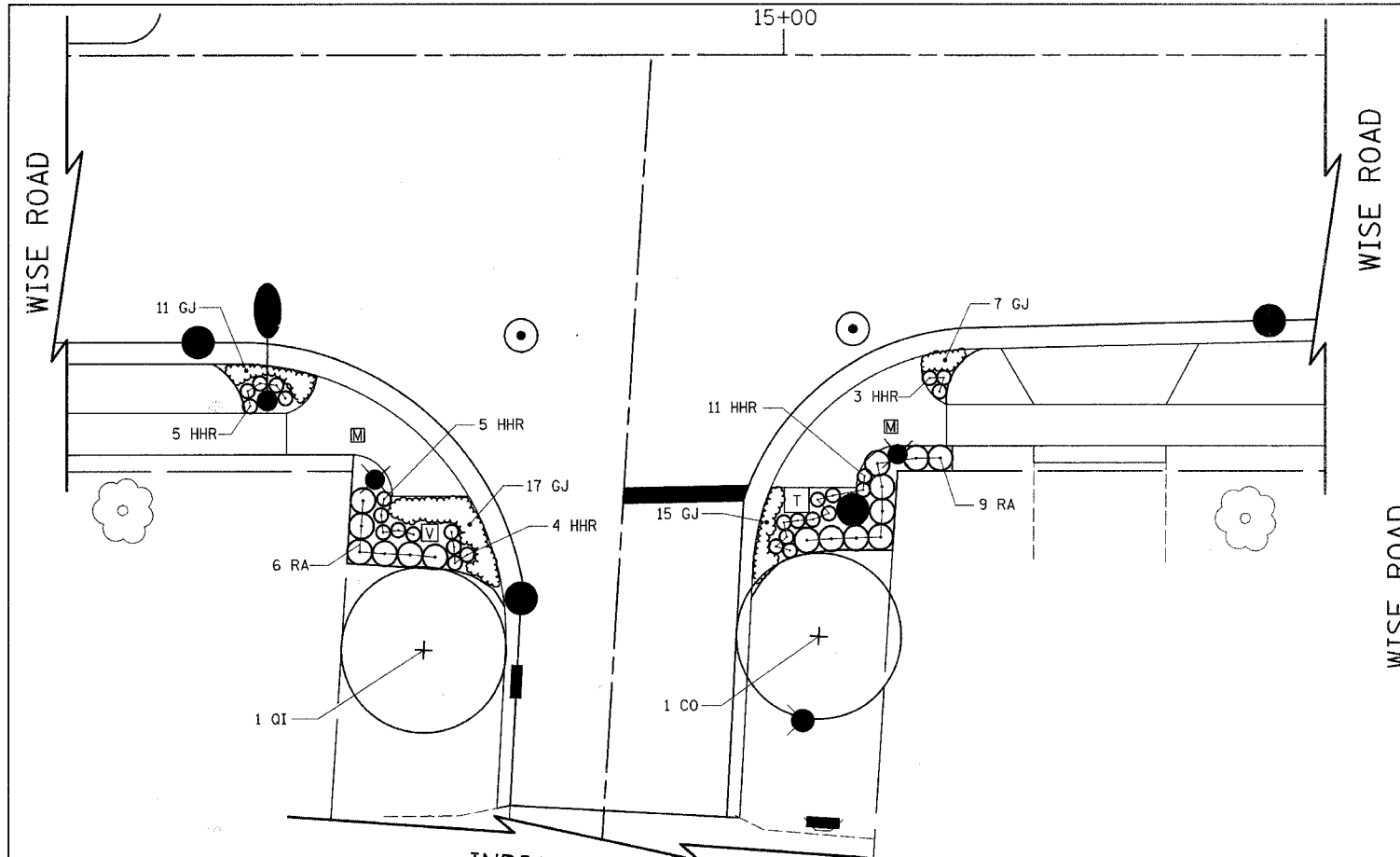
PAVEMENT MARKING AND SIGNING

WISE ROAD

SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

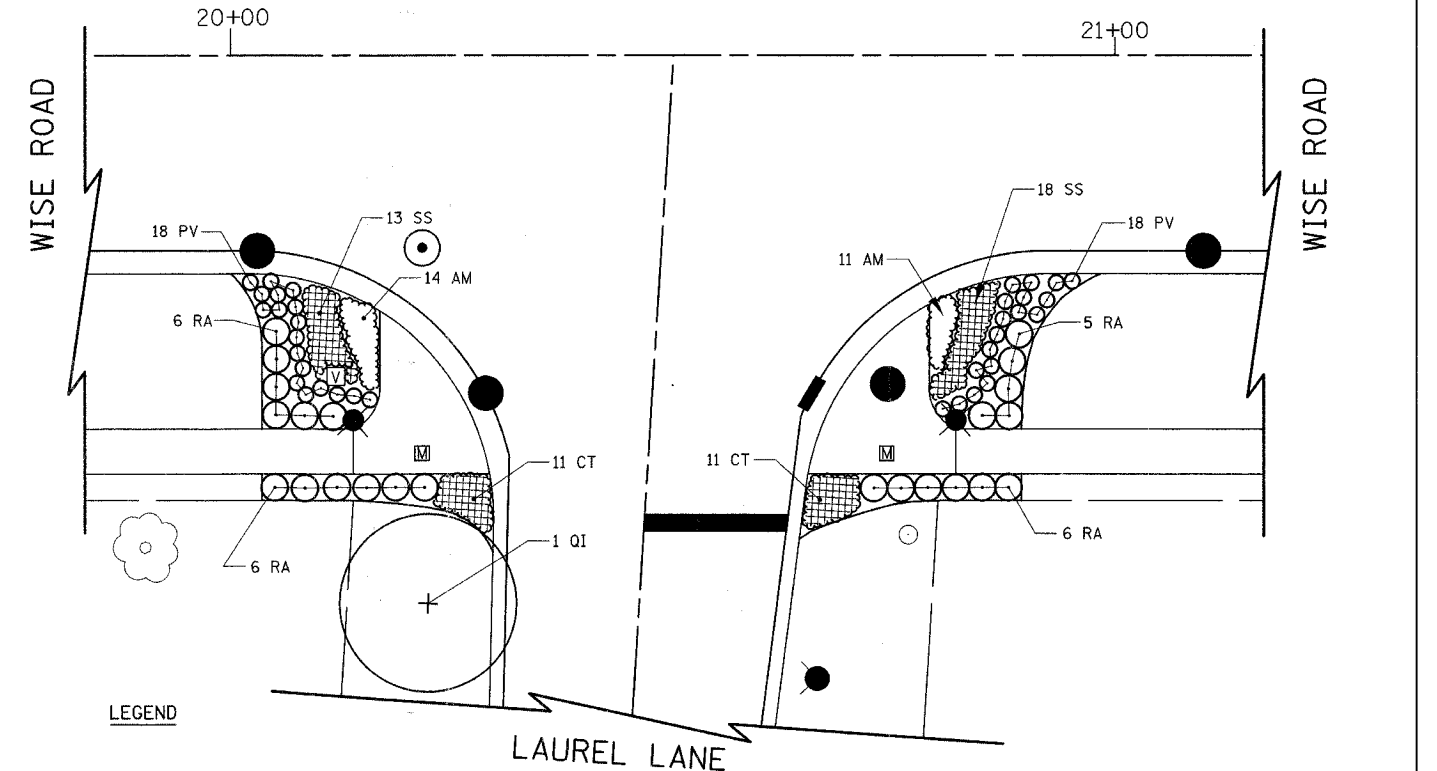
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	73
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80035121				



INDIAN HILL DRIVE
PLANT LIST

SYMBOL	BOTANIC NAME/Common Name	SIZE	QUANTITY
SHADE EVERGREEN AND ORNAMENTAL TREES			
CO	CELTIS OCCIDENTALIS COMMON HACKBERRY	3" dia.	4
GT	GLEDTISIA TRIANCANTHOS 'INERMIS' SKYLINE THORNLESS COMMON HONEYLOCUST	2 1/2" dia.	4
PCA	PYRUS CALLERYANA 'ARISTOCRAT' ARISTOCRAT CALLERY PEAR	3" dia.	3
PCAB	PYRUS CALLERYANA 'AUTUMN BLAZE' AUTUMN BLAZE CALLERY PEAR	3" dia.	6
QI	QUERCUS IMBRICARIA SHINGLE OAK	3" dia.	2
TO	THUJA OCCIDENTALIS 'DARK GREEN' DARK GREEN ARBORVITAE	8' ht.	3
SHRUBS			
CA	CLETHRA ALNIFOLIA SUMMER SWEET	5 gal./24"	12
HAA	HYDRANGEA ARBORESCENS 'ANNABELLE' ANNABELLE SMOOTH HYDRANGEA	5 gal./24"	1
JC	JUNIPERUS CHINENSIS 'SEA GREEN' SEA GREEN JUNIPER	5 gal./24"	12
RA	RIBES ALPINUM 'GREEN MOUND' GREEN MOUND ALPINE CURRANT	24"	88
RCW	ROSA MEIPITAC CAREFREE WONDER ROSE	24"	69
RK	ROSA 'KNOCKOUT' KNOCKOUT ROSE	24"	67
VD	VIBURNUM DENTATUM 'RALPH SENIOR' AUTUMN JAZZ ARROWWOOD VIBURNUM	7 gal./36"	4

SYMBOL	BOTANIC NAME/Common Name	SIZE	QUANTITY
PERENNIALS AND VINES			
AM	ARMERIA MARTIMA SEA THRIFT	1 gal.	274
AO	ASTER OBLONGIFOLIUS 'OCTOBER SKIES' OCTOBER SKIES ASTER	1 gal.	173
CAKF	CALAMAGROSTIS ACUTIFOLIA 'KARL FOERSTER' KARL FOERSTER FEATHER REED GRASS	1 gal.	19
CT	CERASTIUM TOMENTOSUM SNOW-IN-SUMMER	1 gal.	133
DA	DIANTHUS X ALLWOODII 'HELEN' HELEN ALLWOOD PINKS	1 gal.	174
GJ	GERANIUM X 'JOHNSON'S BLUE' JOHNSON'S BLUE GERANIUM	1 gal.	133
HA	HYDRANGEA ANOMALA SUBSP. PETIOLARIS CLIMBING HYDRANGEA	5 gal.	18
HHR	HEMEROCALLIS 'HAPPY RETURNS' HAPPY RETURNS DAYLILY	1 gal.	53
HM	HEUCHERA MICRANTHA 'PALACE PURPLE' PALACE PURPLE CORAL BELLS	1 gal.	188
HMP	HEMEROCALLIS 'MINI PEARL' MINIATURE PEARL DAYLILY	1 gal.	177
HMS	HEMEROCALLIS 'MINI STELLA' MINIATURE STELLA DAYLILY	1 gal.	91
HS	HOSTA 'SUM 'N SUBSTANCE' SUM 'N SUBSTANCE HOSTA	2 gal.	10
HSO	HEMEROCALLIS HYBRIDA 'STELLA D'ORO' STELLA D'ORO DAYLILY	1 gal.	273
IG	IRIS GERMANICA 'ROCK STAR' GERMAN BEARDED IRIS	1 gal.	18
NF	NEPETA X FAASSENII 'WACKER'S LOW' WACKER'S LOW CATMINT	1 gal.	146
PA	PENNISETUM ALOPECUROIDES FOUNTAIN GRASS	1 gal.	173
PT	PERSOVSKIA ATRIPLICIFOLIA RUSSIAN SAGE	1 gal.	66
PV	PANICUM VIRGATUM 'NORTHWIND' SWITCHGRASS	1 gal.	75
SN	SORGHASTRUM NUTANS 'SIOUX BLUE' INDIAN GRASS	1 gal.	41
SS	SEDUM SPECTABILE 'AUTUMN JOY' AUTUMN JOY SEDUM	1 gal.	333



LEGEND

	PAVER BLOCKS, SPECIAL		PROPOSED MANHOLE		PROPOSED FIRE HYDRANT
	VERTICAL IDENTIFIER		EXISTING CATCH BASIN		PROPOSED DECORATIVE LIGHTING UNIT
	TRASH RECEPTACLES		EXISTING MANHOLE		PROPOSED LIGHTING UNIT
	TRELLIS AND BENCH		EXISTING VALVE VAULT		PROPOSED LIGHTING HANDHOLE
	PROPOSED CATCH BASIN				
	PROPOSED INLET				
	PROPOSED RPZ ENCLOSURE				

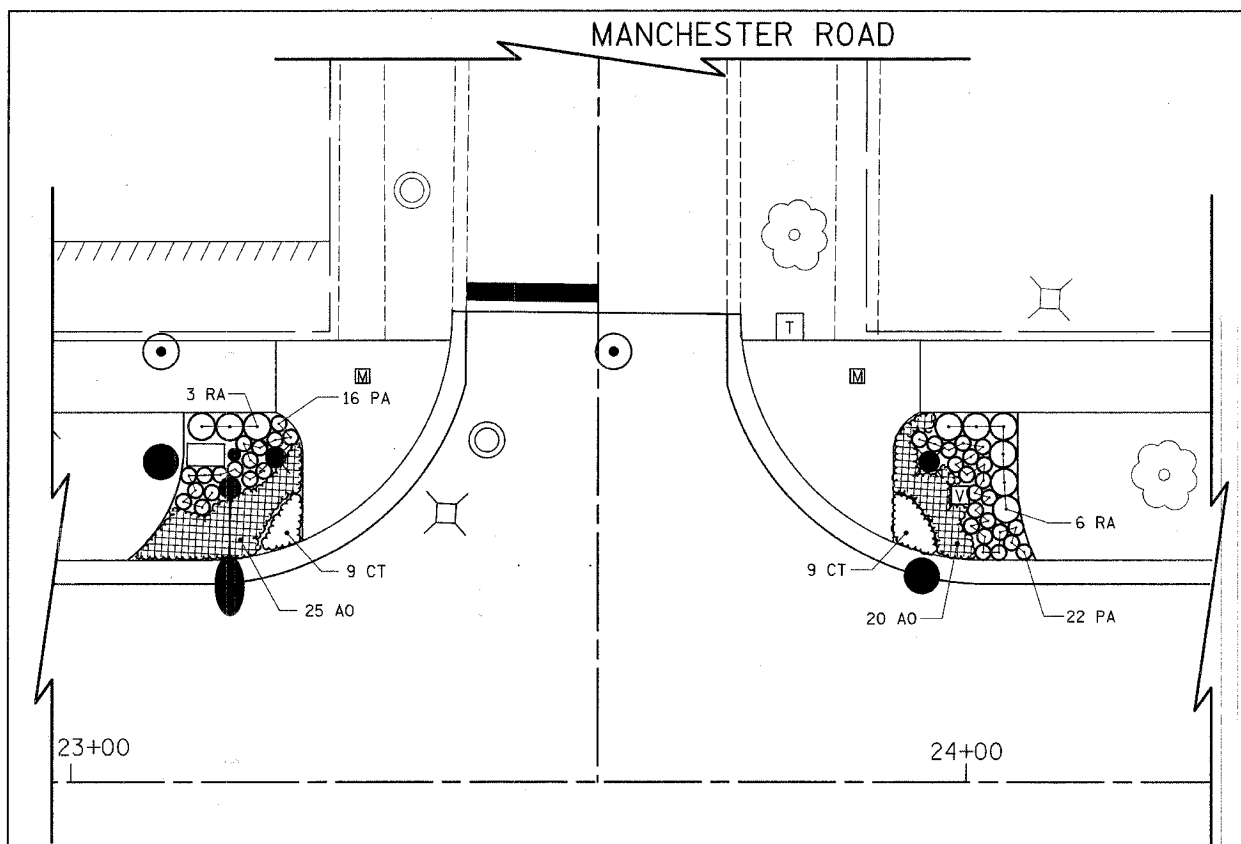
ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN
INDIAN HILL DRIVE/WISE ROAD
LAUREL LANE/WISE ROAD
& CREST COURT/WISE ROAD

DATE: 9/28/07
DESIGNED BY: AV
CHECKED BY: JRV

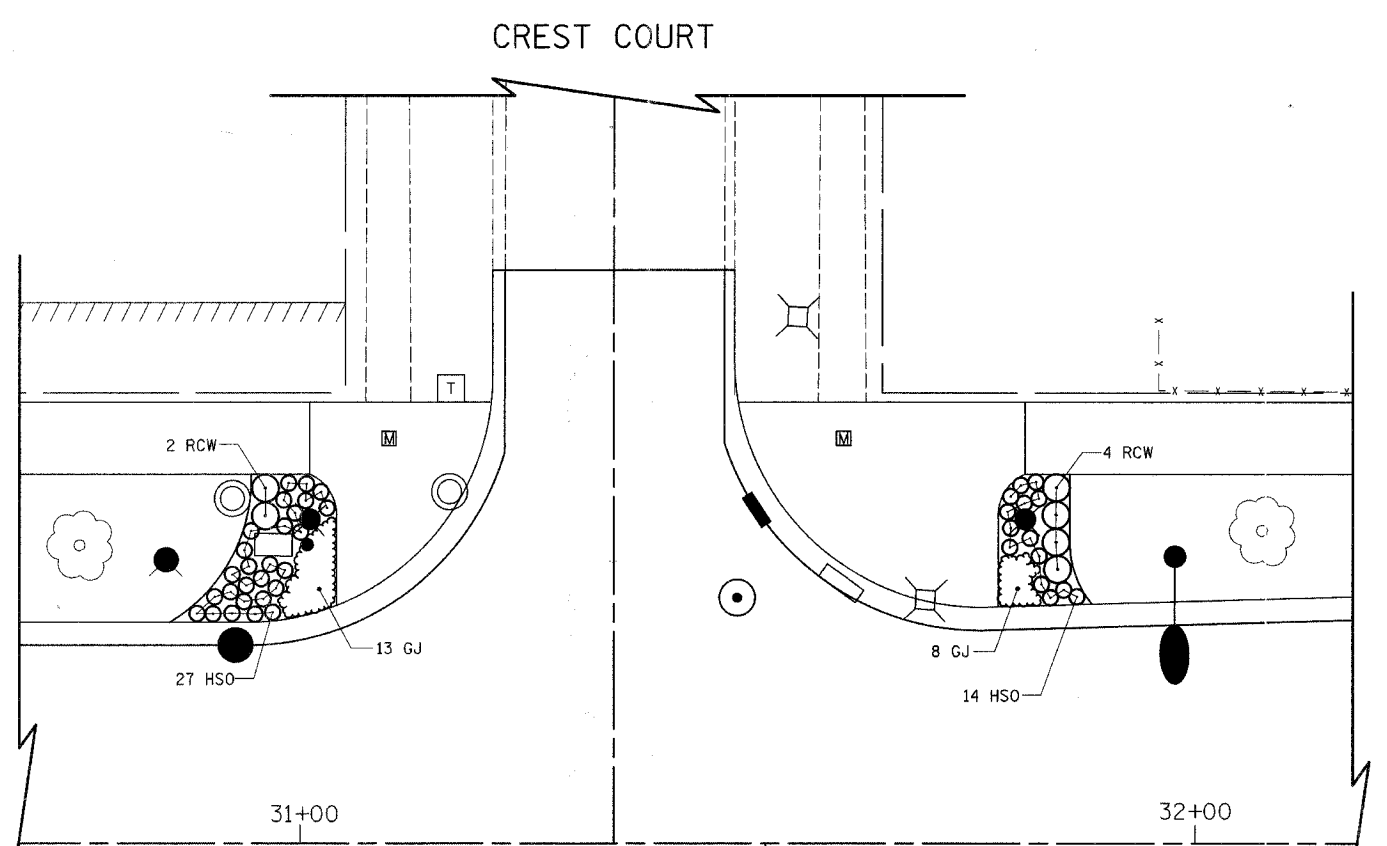
SCALE IN FEET

* PAID FOR AS "PERENNIAL POTS, GALLON POT"

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-PP	COOK	167	74
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

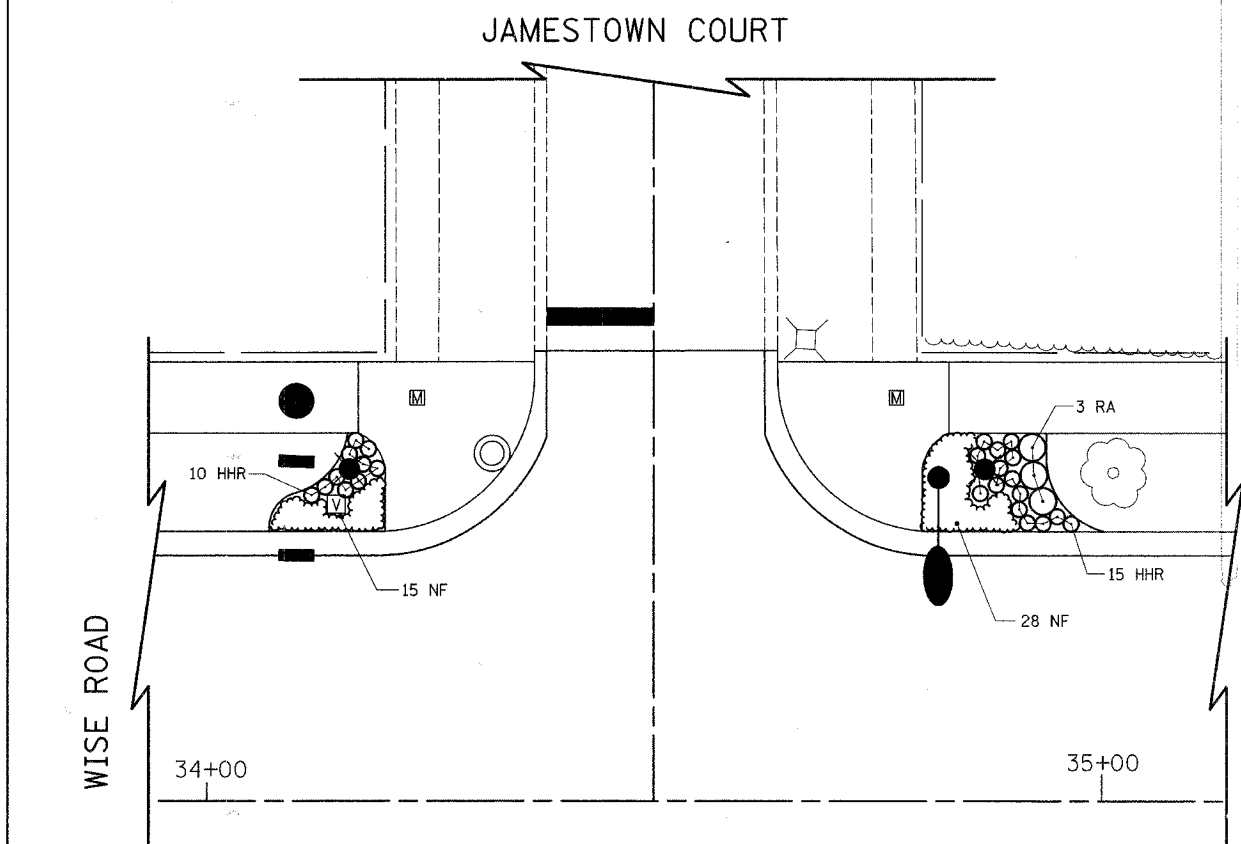


WISE ROAD



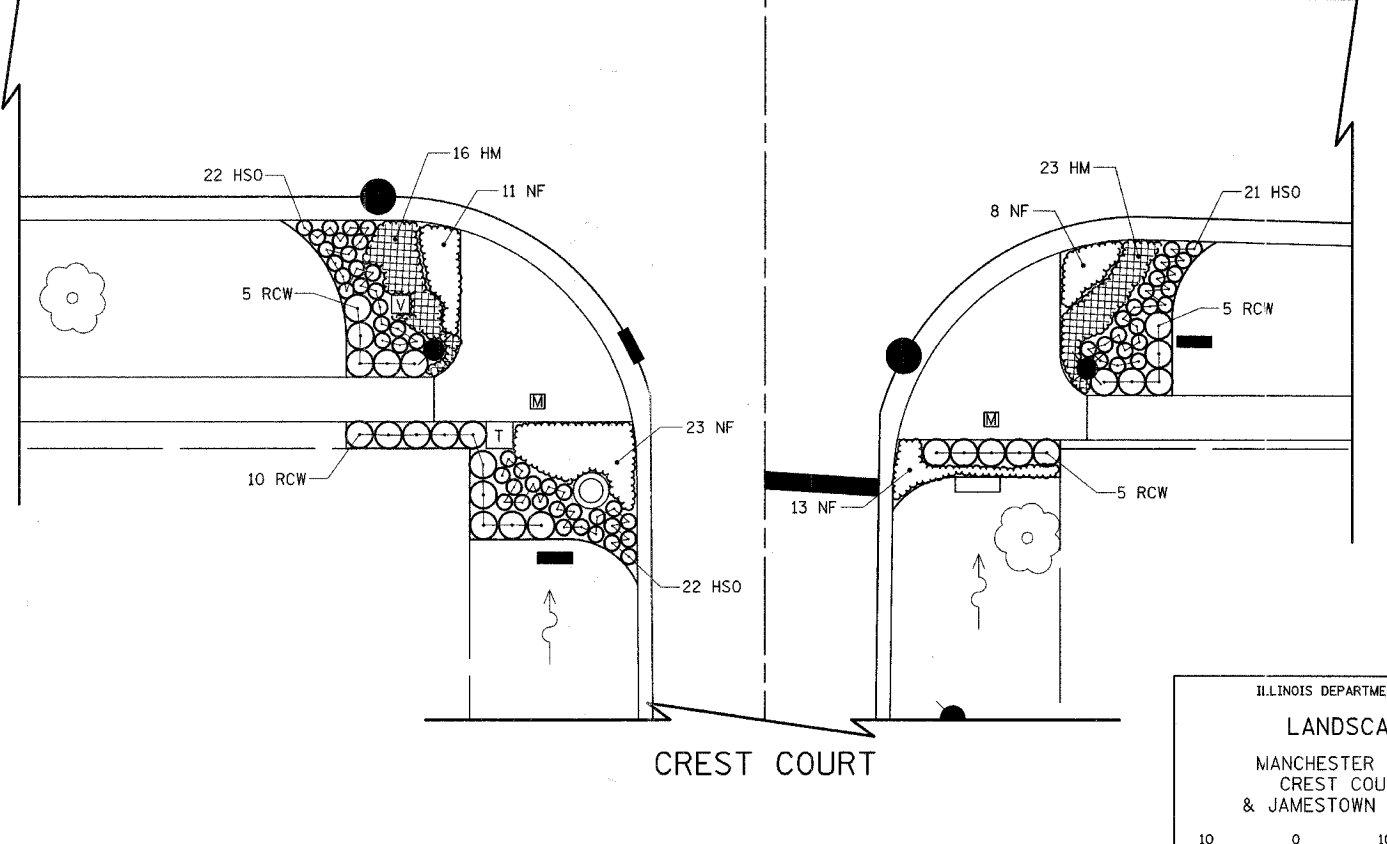
WISE ROAD

WISE ROAD



WISE ROAD

WISE ROAD



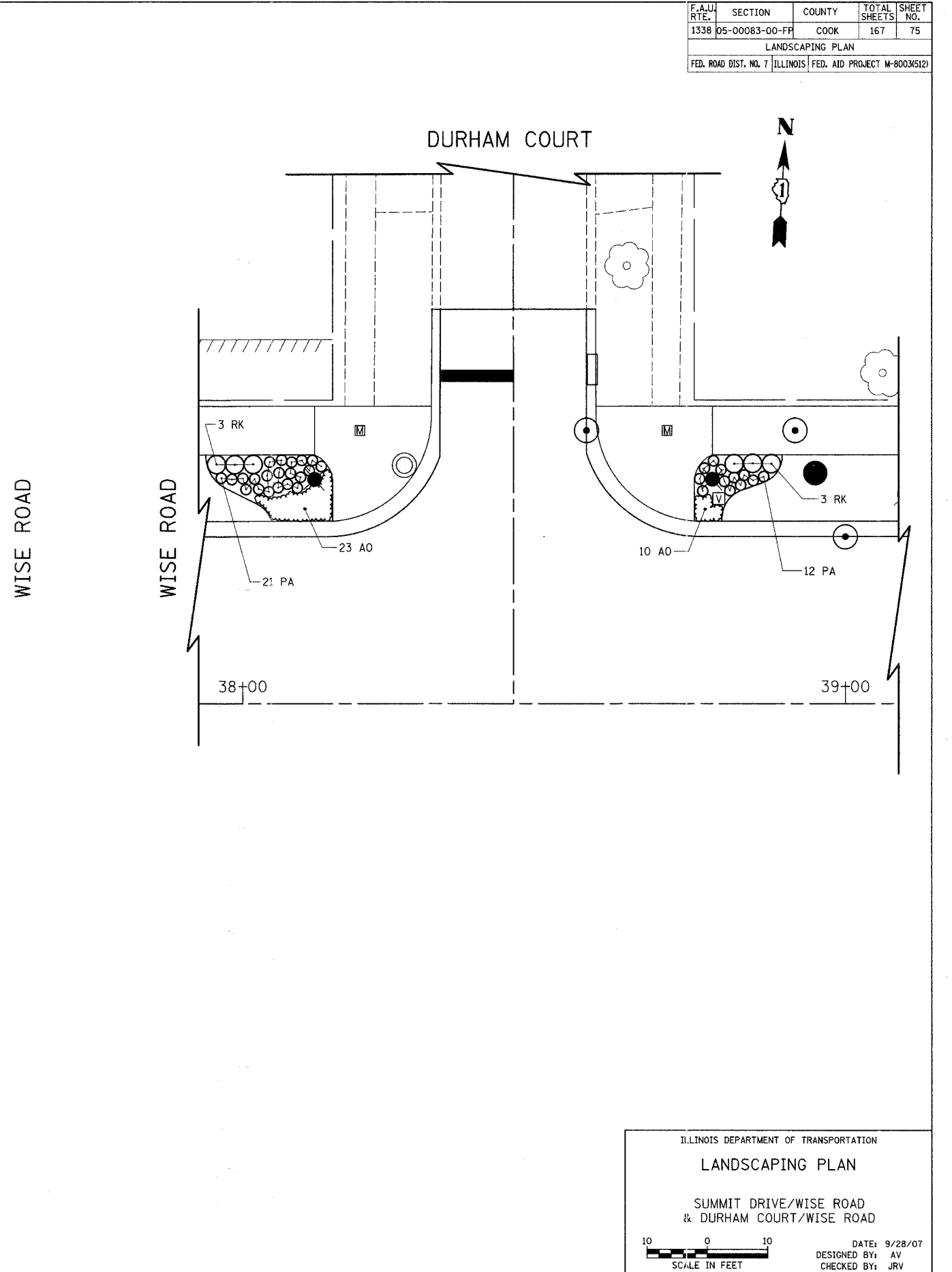
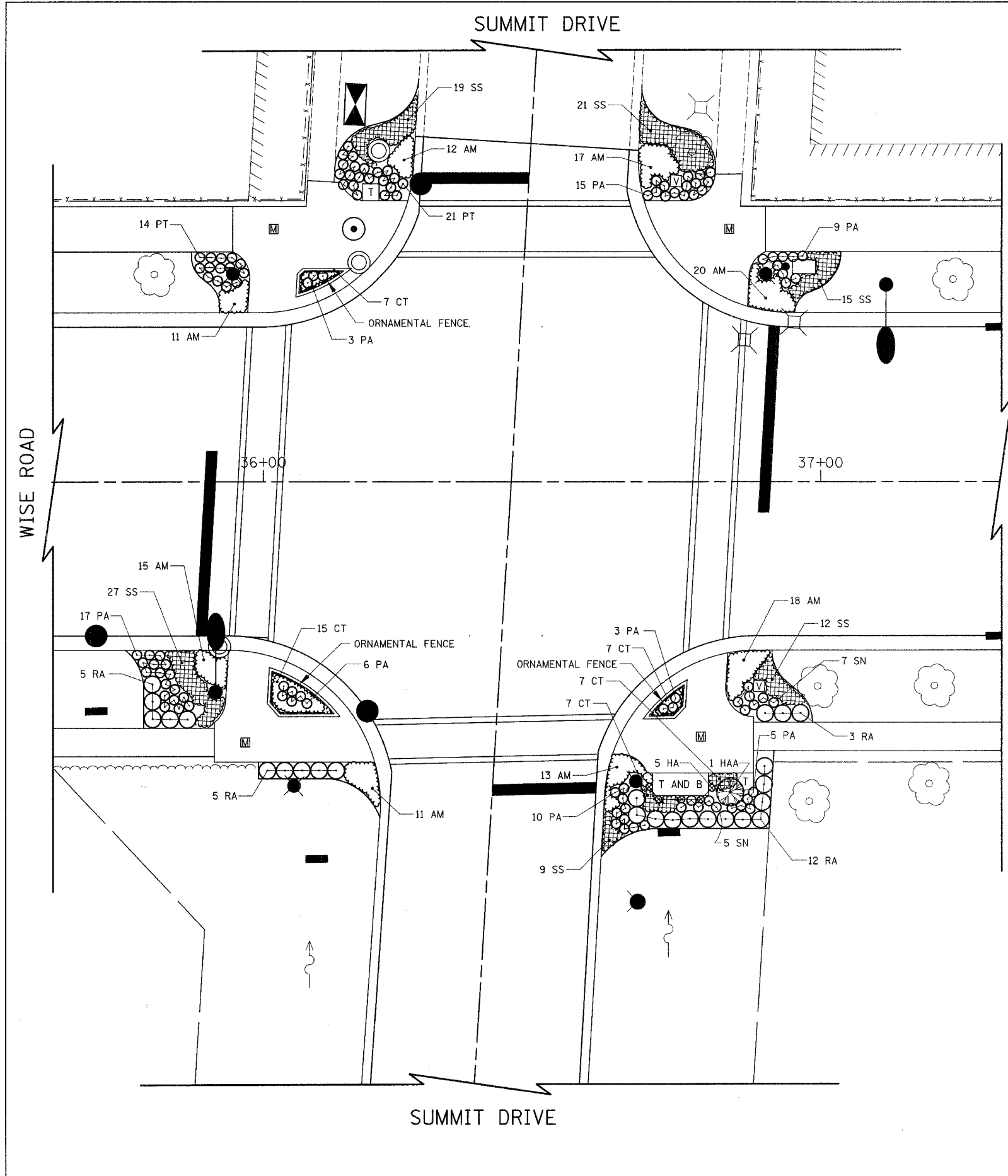
CREST COURT

ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN
 MANCHESTER ROAD/WISE ROAD
 CREST COURT/WISE ROAD
 & JAMESTOWN COURT/WISE ROAD

10 0 10
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: AV
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	75
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80035121				



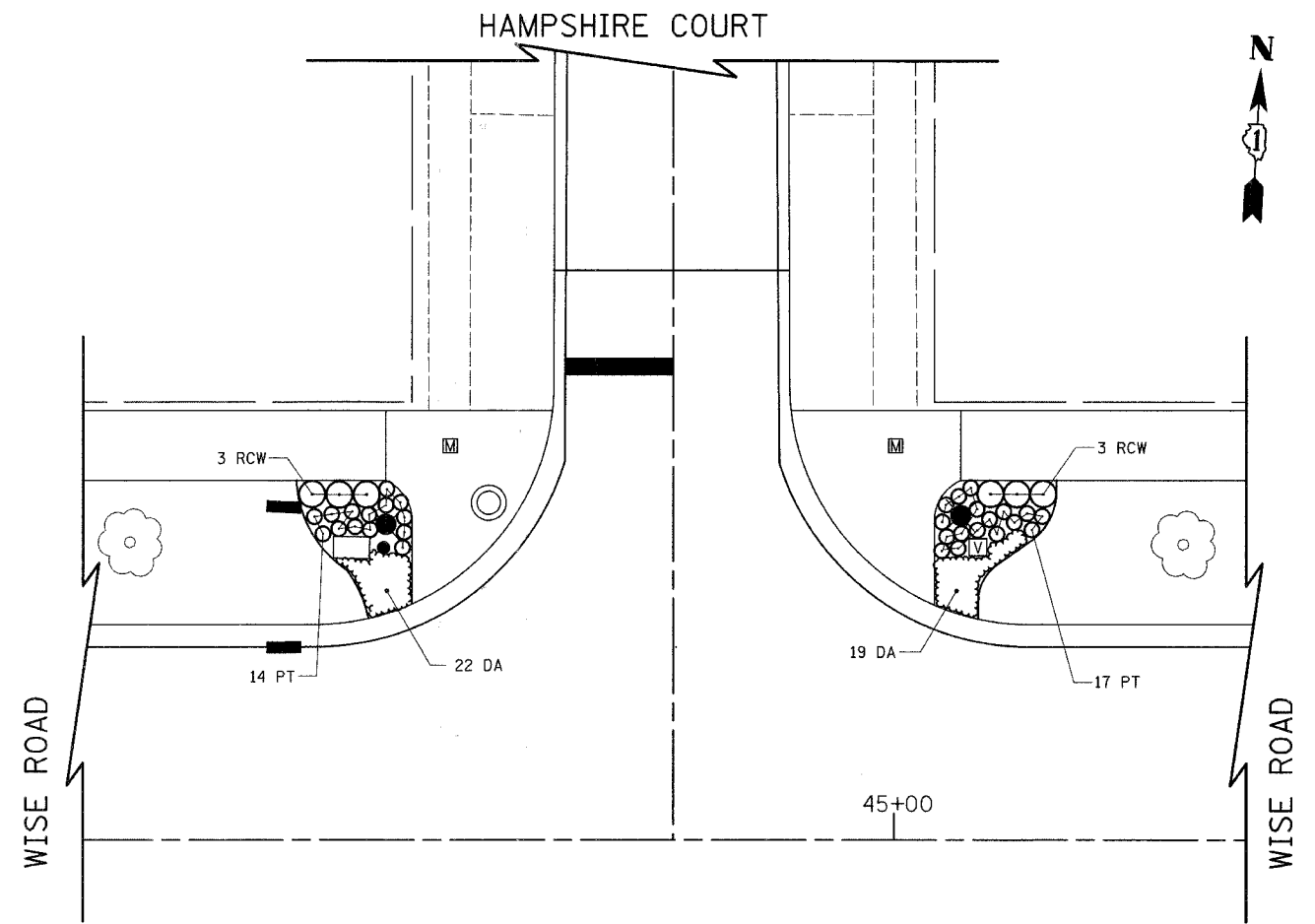
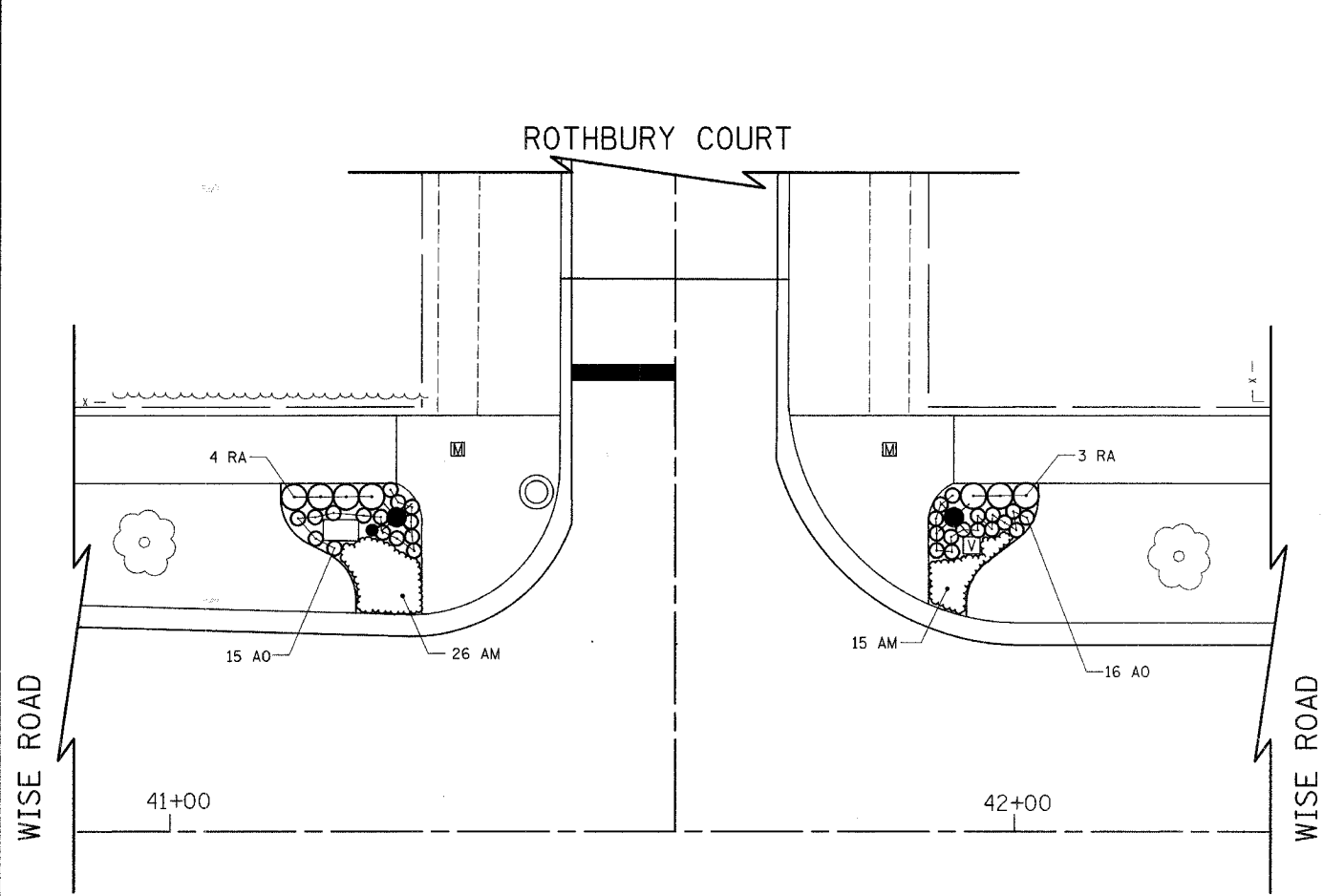
ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN

SUMMIT DRIVE/WISE ROAD
& DURHAM COURT/WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: AV
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	76
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-6003(5)21				

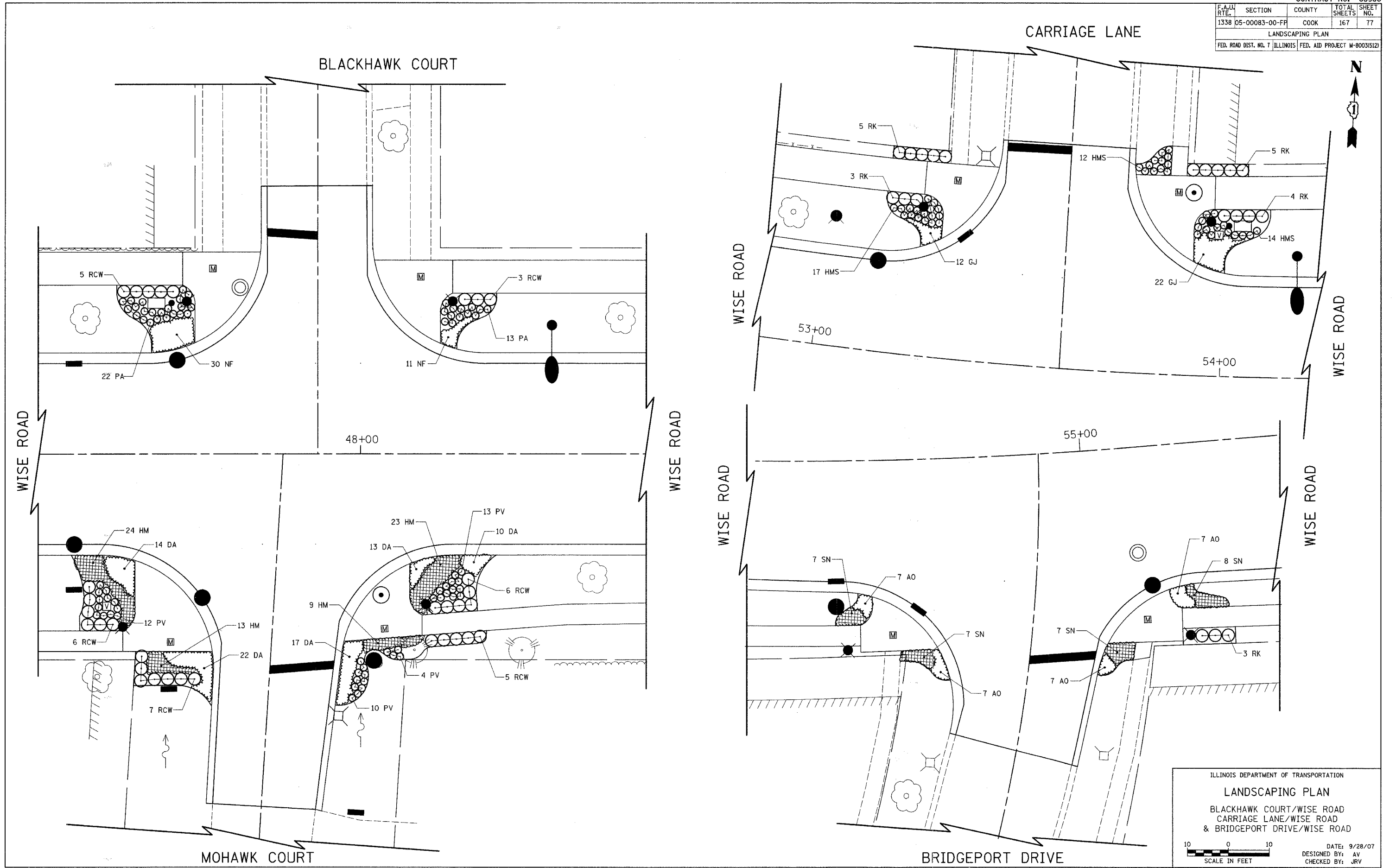


ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN
ROTHBURY COURT/WISE ROAD
& HAMPSHIRE COURT/WISE ROAD

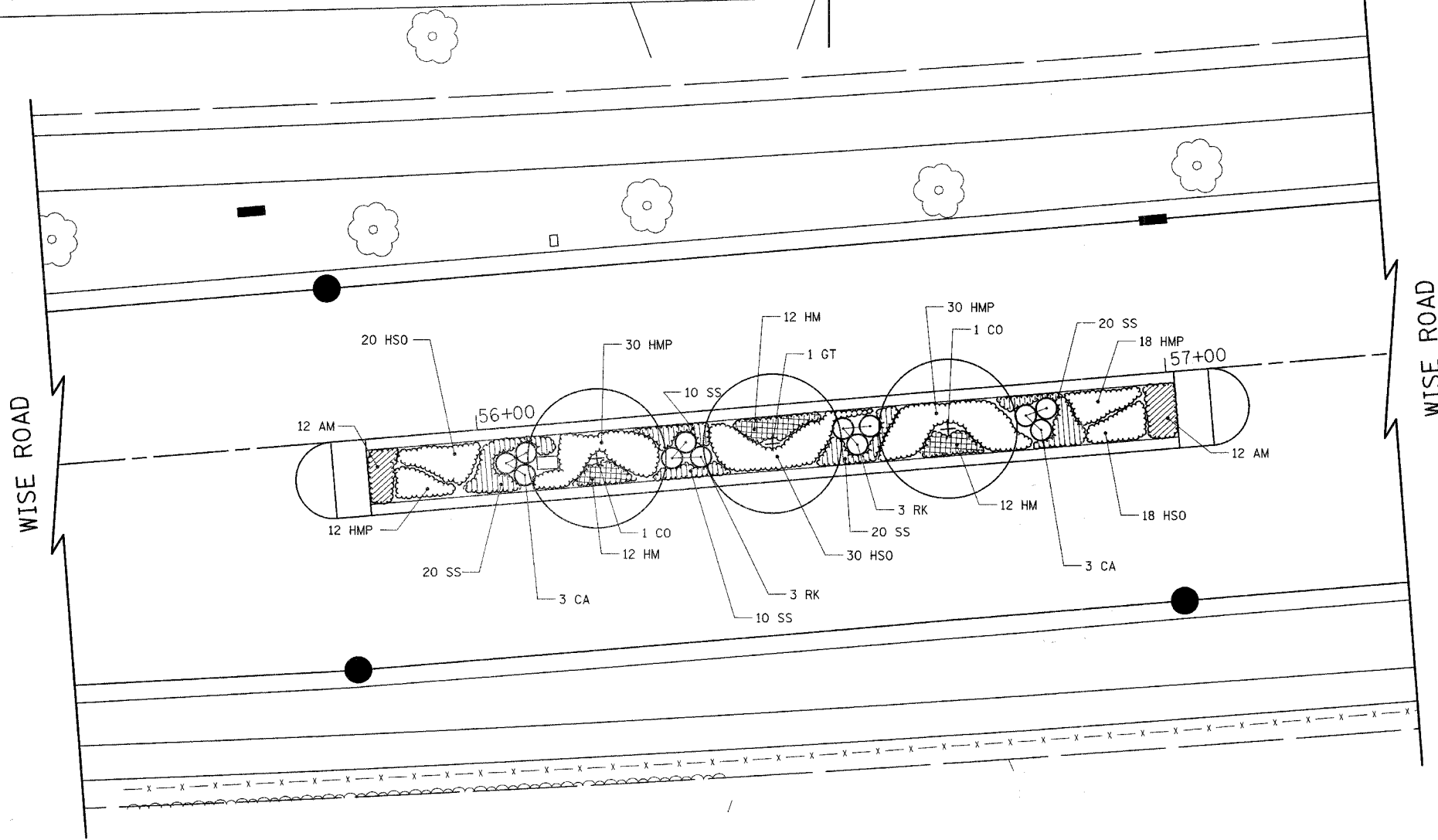
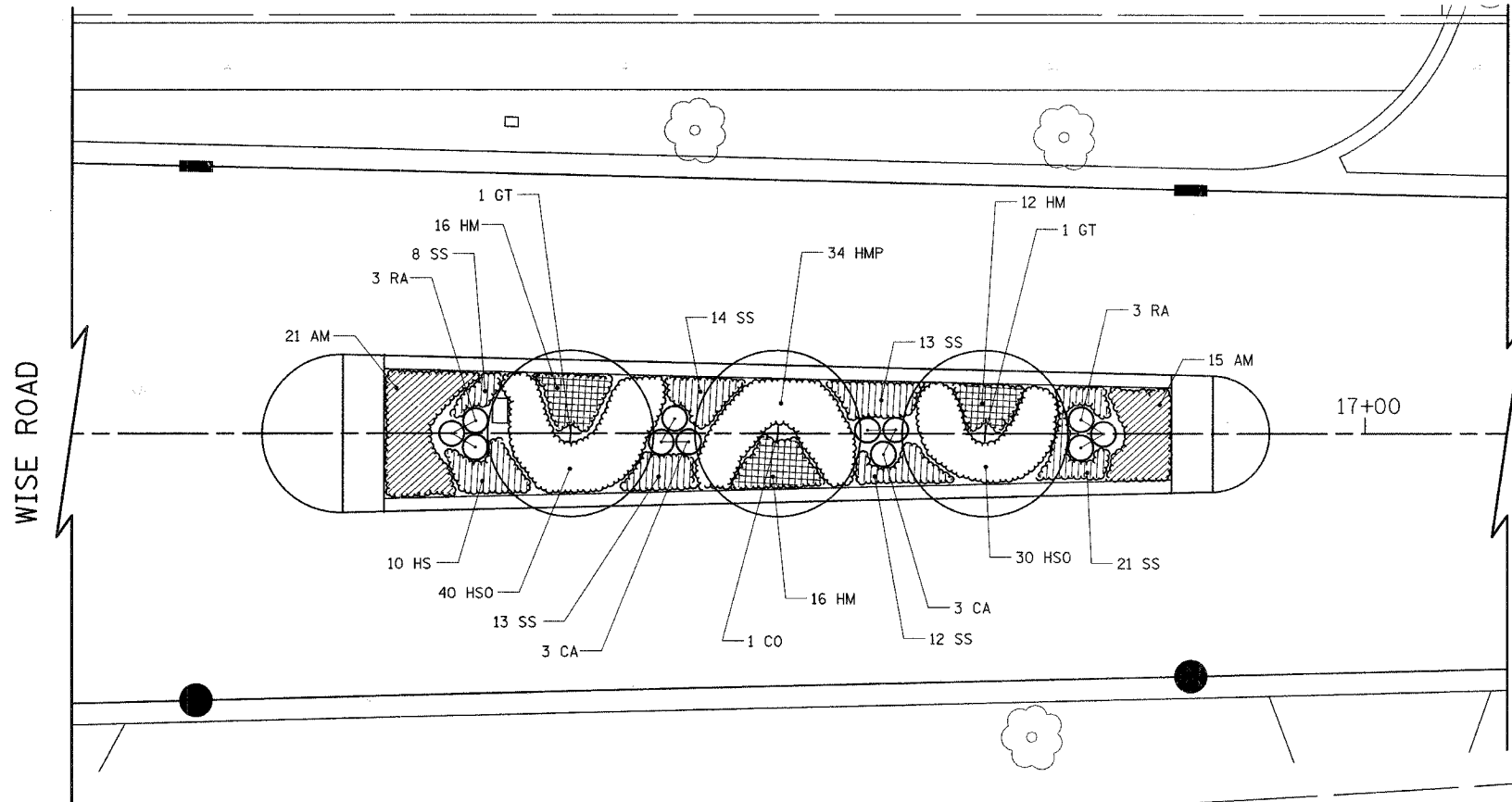
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SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: AV
CHECKED BY: JRV

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	77
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80031512				



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	79
LANDSCAPING PLAN				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(512)		



ILLINOIS DEPARTMENT OF TRANSPORTATION
LANDSCAPING PLAN
 MEDIAN PLANTINGS

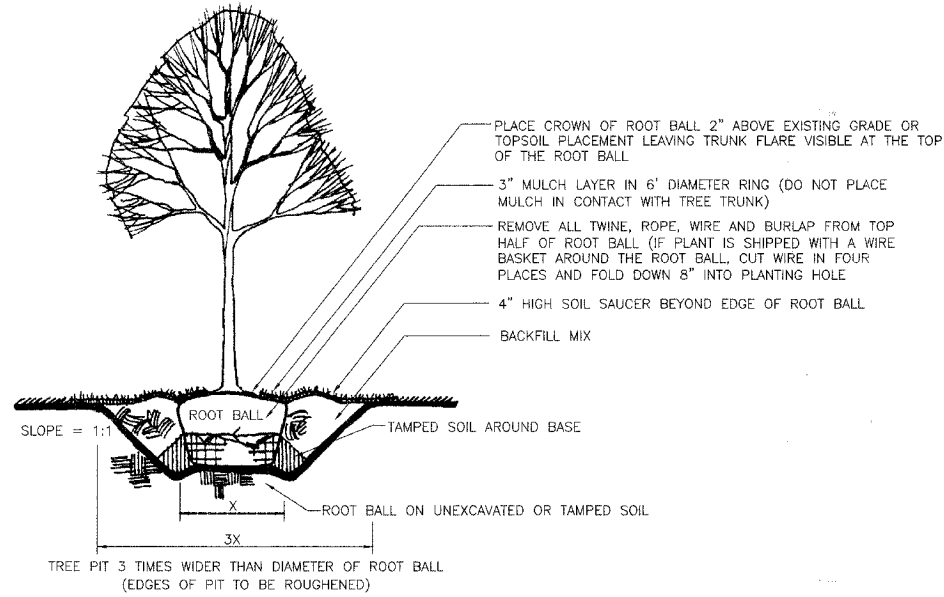
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 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: AV
 CHECKED BY: JRV

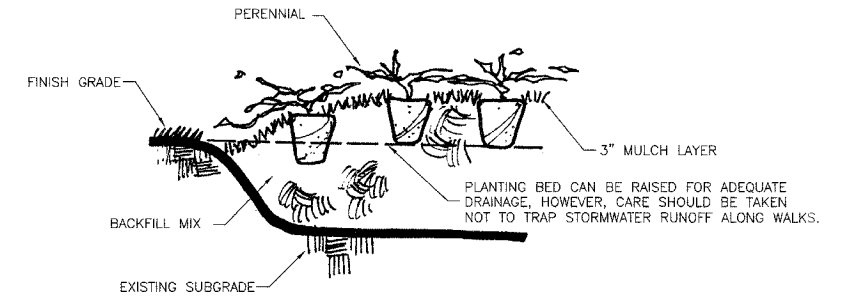
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	D5-00083-00-FP	COOK	167	80
LANDSCAPING DETAILS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80036121				

LANDSCAPE NOTES:

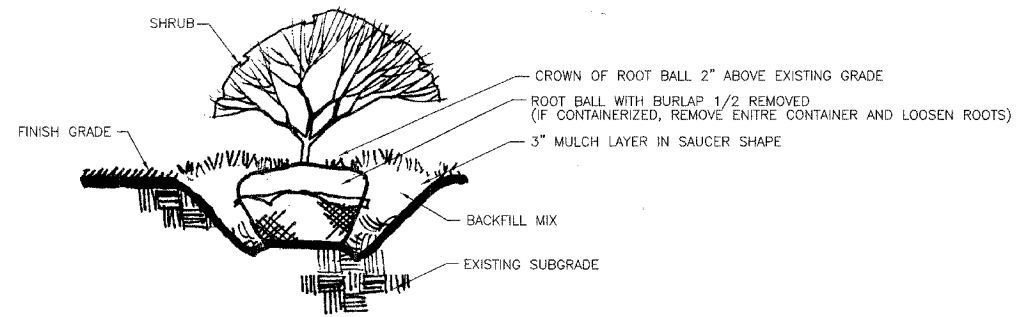
- LAYOUT COMPLETE PLANTING AS PER LANDSCAPE PLAN.
- NOTIFY THE VILLAGE'S LANDSCAPE ARCHITECT SEVEN (7) WORKING DAYS PRIOR TO LANDSCAPE INSTALLATION. THE LANDSCAPE ARCHITECT MUST EXAMINE THE SITE PRIOR TO THE SPREADING OF TOPSOIL TO ASSESS GROWING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE.
- QUANTITY LISTS ARE PROVIDED AS A CONVENIENCE. THE LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES ON THE DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO STARTING CONSTRUCTION. FOR LOCATIONS CALL "J.U.L.I.E." (800-892-0123)
- LOCATIONS AND GRADES ARE APPROXIMATE. FIELD VERIFY ALL INFORMATION PRIOR TO STARTING WORK.
- THE LANDSCAPE CONTRACTOR SHALL REPORT ANY DISCREPANCIES ON THE LANDSCAPE PLAN TO THE ENGINEER AND GET WRITTEN APPROVAL FOR CHANGES BEFORE COMMENCING WITH CONSTRUCTION.
- ALL PLANT SPECIES SPECIFIED ARE SUBJECT TO AVAILABILITY. NO SUBSTITUTION OF PLANT MATERIAL SHALL BE ALLOWED UNLESS APPROVED THROUGH WRITTEN CONSENT BY THE LANDSCAPE ARCHITECT.
- PLANT SYMBOLS ARE NOT LITERAL REPRESENTATIONS. THEY ARE ILLUSTRATED ON THE LANDSCAPE PLAN AS THE GRAPHIC REPRESENTATION OF THE PROPOSED PLANT MATERIAL. THEY DO NOT NECESSARILY REPRESENT THE SPREAD OF THE PLANT AT THE TIME OF INSTALLATION.
- DO NOT SHEAR ANY PLANT MATERIALS. HAND PRUNE AS NEEDED.
- CLEAN UP ALL AREAS, SWEEP WALKS AND DRIVES, AND HAUL AWAY DEBRIS AT TIME OF PLANTING.
- GENERAL PLANTING INSTRUCTIONS:
DO NOT BREAK OR DAMAGE ROOT BALL.
DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
WATER PLANT MATERIAL IMMEDIATELY AFTER PLANTING.
- THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL DEEMED SUB-STANDARD.
- THE CONTRACTOR SHALL PROVIDE PLANT MATERIAL THAT IS DISEASE AND PEST FREE. ALL PLANT MATERIAL SHALL BE GRADE A NURSERY STOCK AND SHALL BE HEALTHY AND VIGOROUS.
- THE LANDSCAPE CONTRACTOR SHALL MEET OR EXCEED THE STANDARDS SET FORTH IN THE AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION AND THE STANDARD SPECIFICATIONS.



1 SHADE TREE PLANTING DETAIL
N.T.S.



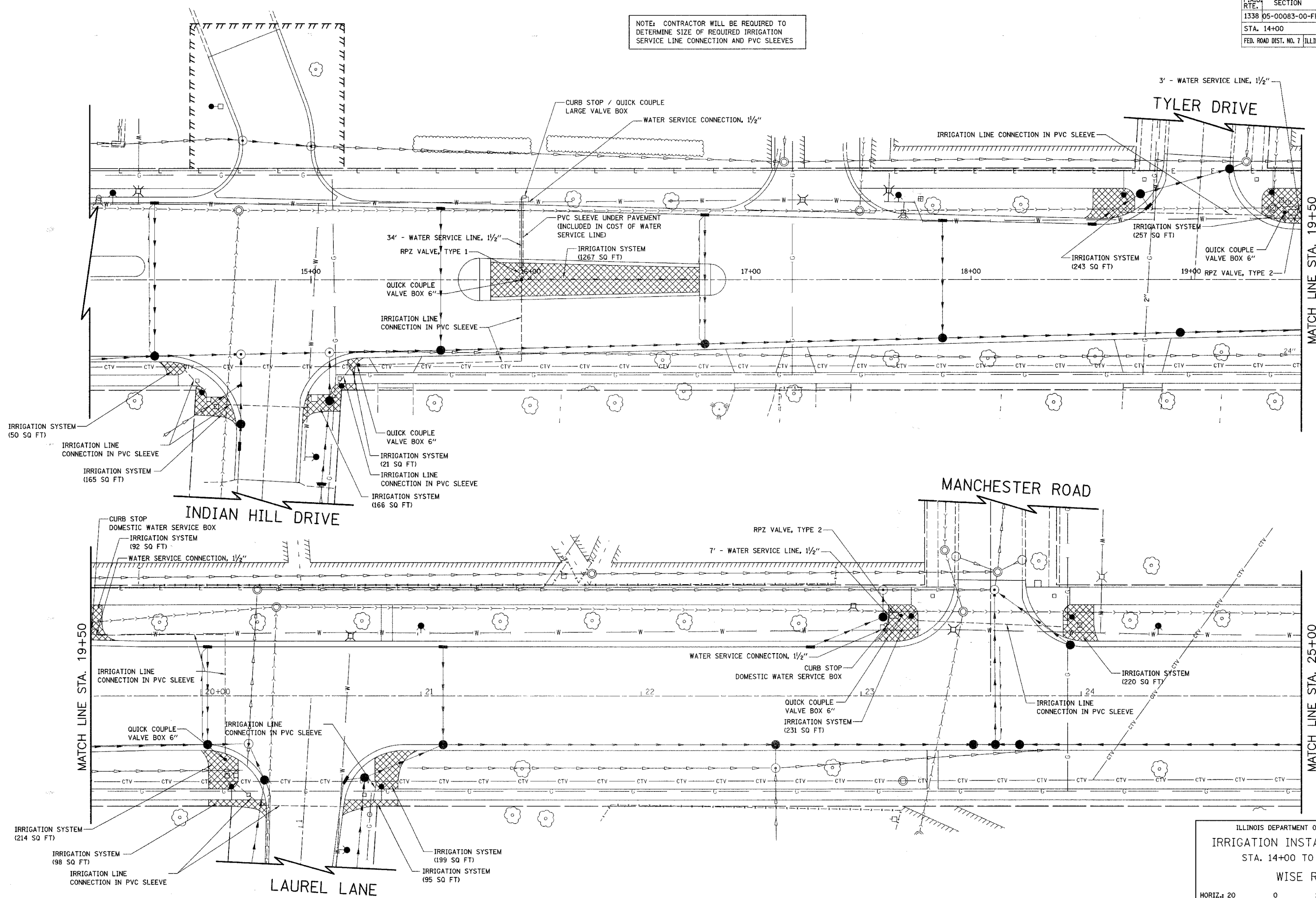
3 PERENNIAL AND VINE PLANTING DETAIL
N.T.S.



2 SHRUB PLANTING DETAIL
N.T.S.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338 05-00083-00-FF		COOK	167	81
STA. 14+00		TO STA. 25+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

NOTE: CONTRACTOR WILL BE REQUIRED TO DETERMINE SIZE OF REQUIRED IRRIGATION SERVICE LINE CONNECTION AND PVC SLEEVES



MATCH LINE STA. 19+50

MATCH LINE STA. 25+00
(SEE SHEET NO. 82)

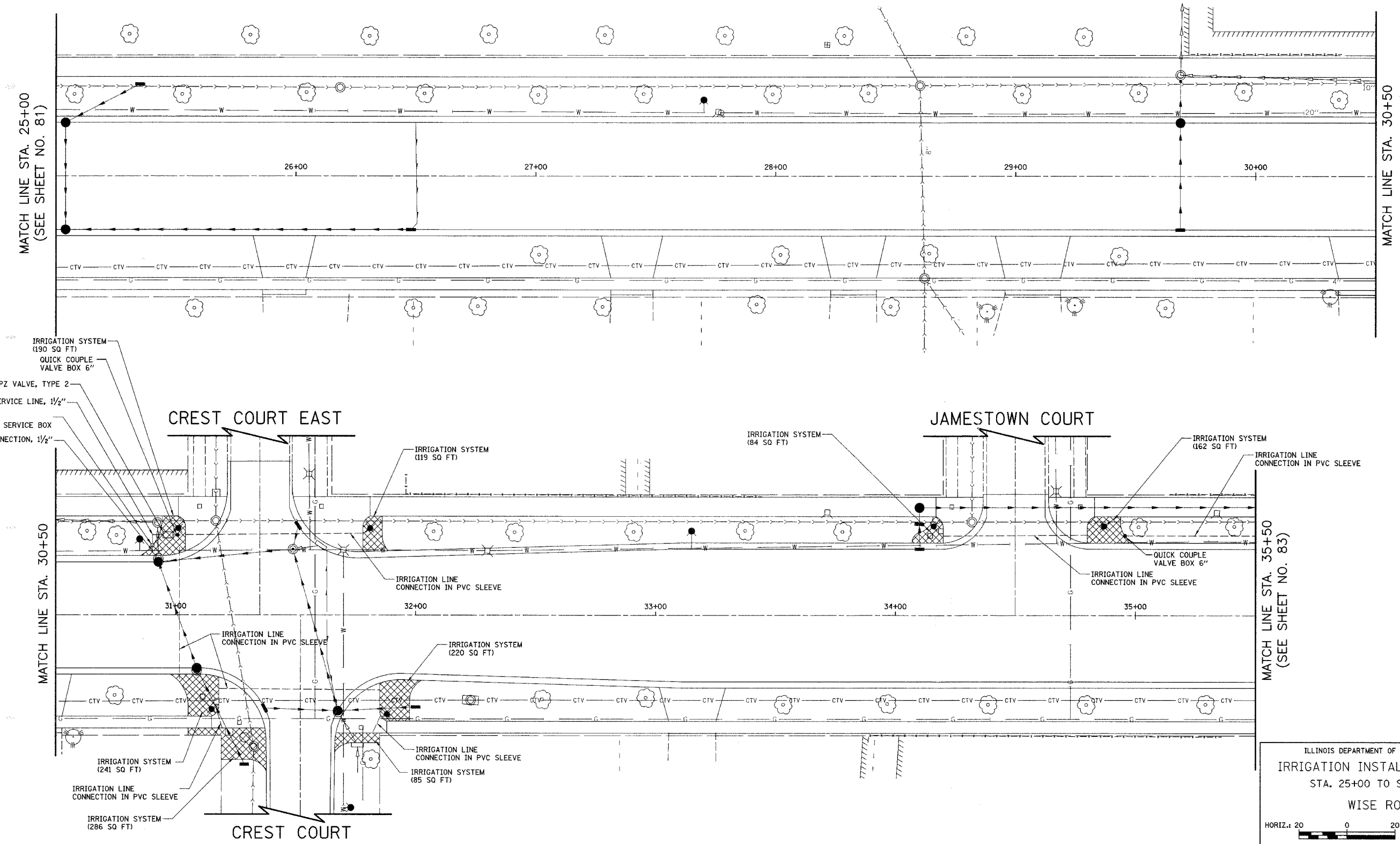
ILLINOIS DEPARTMENT OF TRANSPORTATION
IRRIGATION INSTALLATION PLAN
 STA. 14+00 TO STA. 25+00
WISE ROAD

HORIZ: 20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	82
STA. 25+00		TO STA. 35+50		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

NOTE: CONTRACTOR WILL BE REQUIRED TO DETERMINE SIZE OF REQUIRED IRRIGATION SERVICE LINE CONNECTION AND PVC SLEEVES



- IRRIGATION SYSTEM (190 SQ FT)
- QUICK COUPLE VALVE BOX 6"
- RPZ VALVE, TYPE 2
- 9" - WATER SERVICE LINE, 1/2"
- CURB STOP DOMESTIC WATER SERVICE BOX
- WATER SERVICE CONNECTION, 1/2"

MATCH LINE STA. 35+50
(SEE SHEET NO. 83)

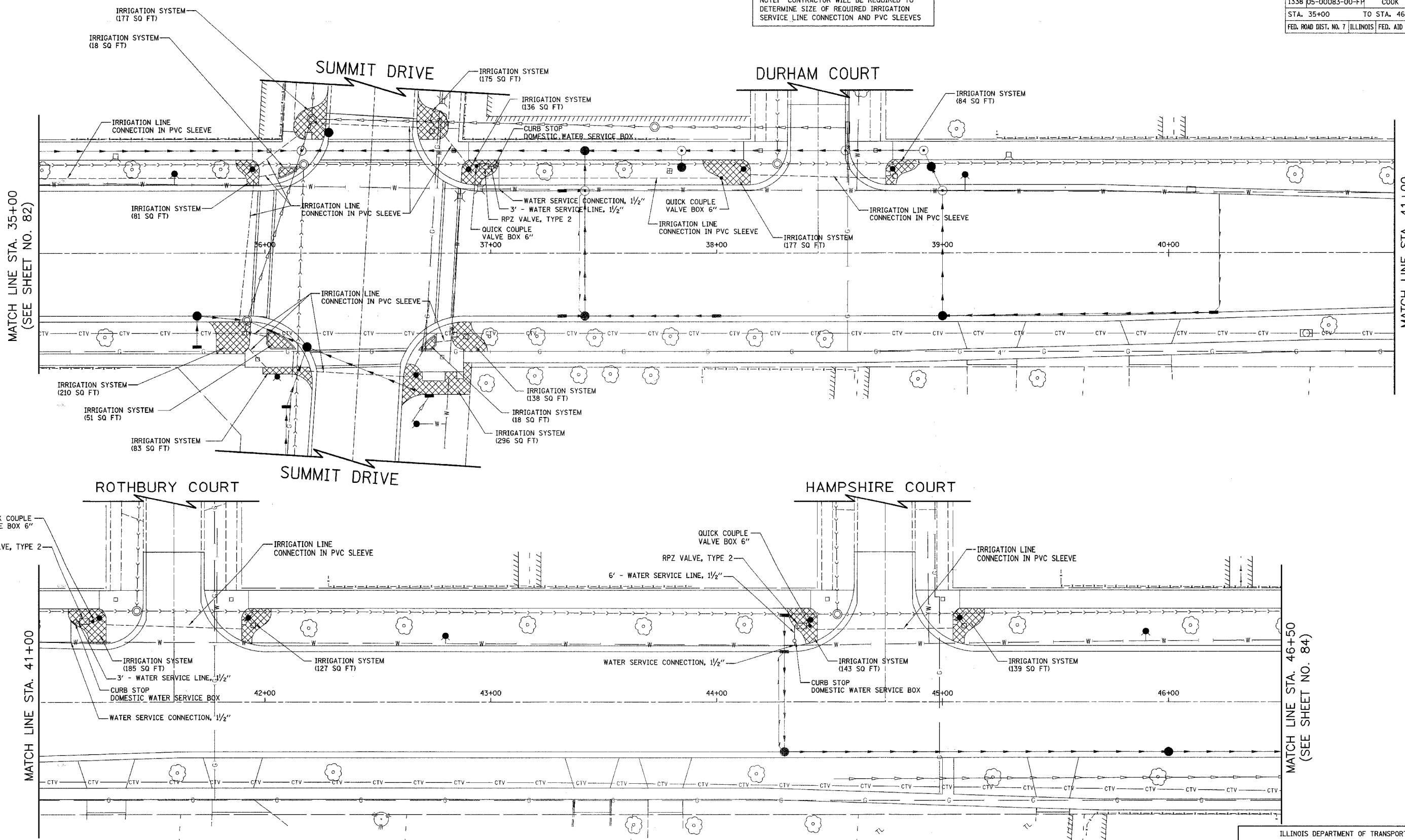
ILLINOIS DEPARTMENT OF TRANSPORTATION
IRRIGATION INSTALLATION PLAN
 STA. 25+00 TO STA. 35+50
 WISE ROAD

HORIZ. 20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	83
STA. 35+00		TO STA. 46+50		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

NOTE: CONTRACTOR WILL BE REQUIRED TO DETERMINE SIZE OF REQUIRED IRRIGATION SERVICE LINE CONNECTION AND PVC SLEEVES



MATCH LINE STA. 35+00 (SEE SHEET NO. 82)

MATCH LINE STA. 41+00

MATCH LINE STA. 41+00

MATCH LINE STA. 46+50 (SEE SHEET NO. 84)

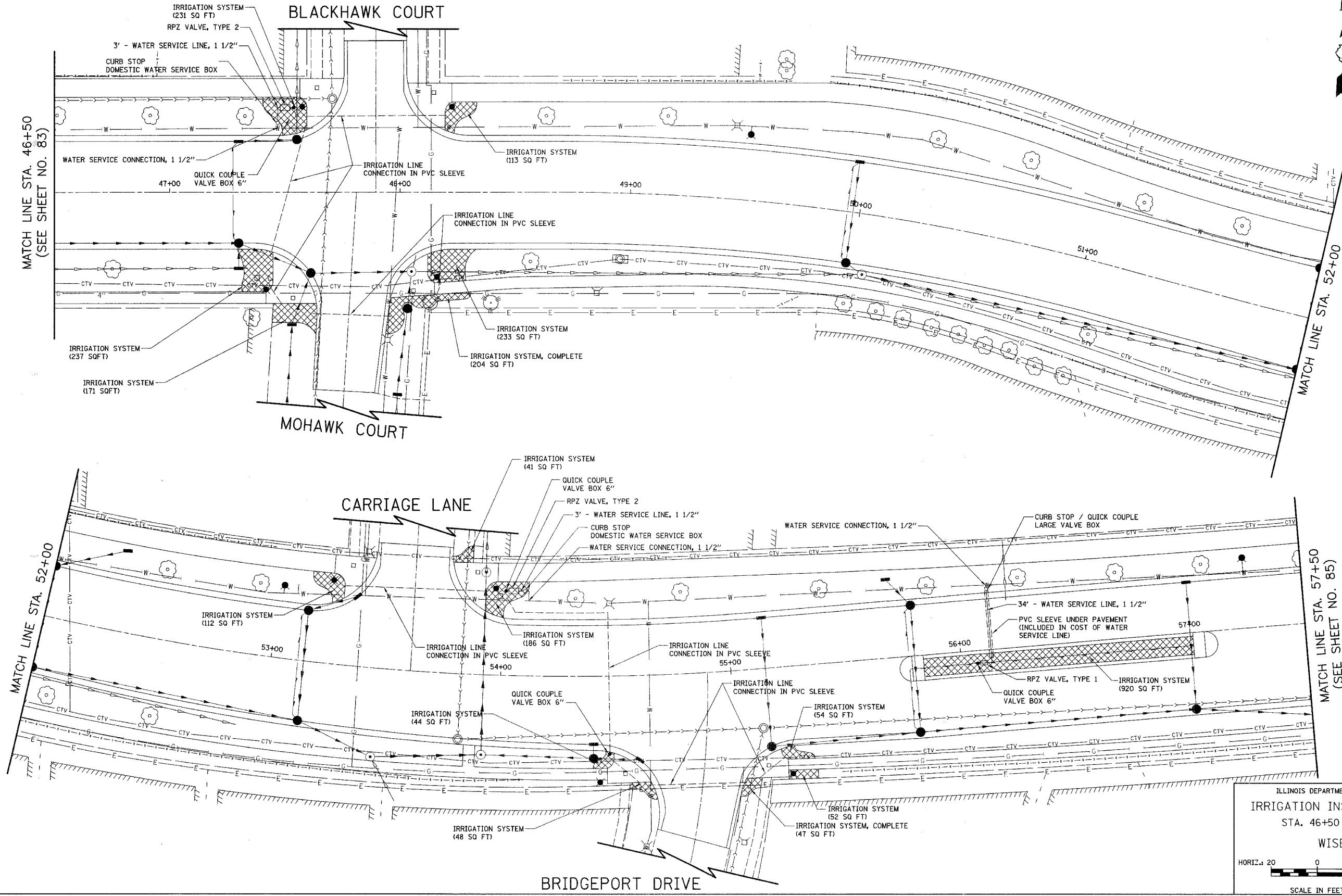
ILLINOIS DEPARTMENT OF TRANSPORTATION
 IRRIGATION INSTALLATION PLAN
 STA. 35+00 TO STA. 46+50
 WISE ROAD

HORIZ: 20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	84
STA. 46+50		TO STA. 57+50		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

NOTE: CONTRACTOR WILL BE REQUIRED TO DETERMINE SIZE OF REQUIRED IRRIGATION SERVICE LINE CONNECTION AND PVC SLEEVES



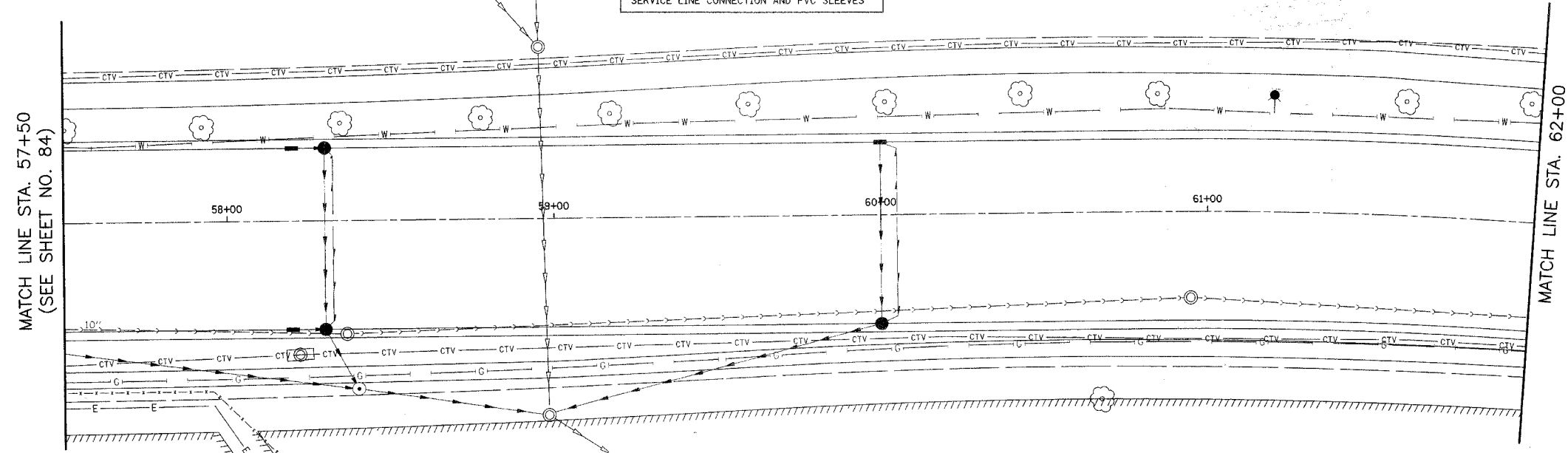
ILLINOIS DEPARTMENT OF TRANSPORTATION
IRRIGATION INSTALLATION PLAN
 STA. 46+50 TO STA. 57+50
WISE ROAD

HORIZ. 20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

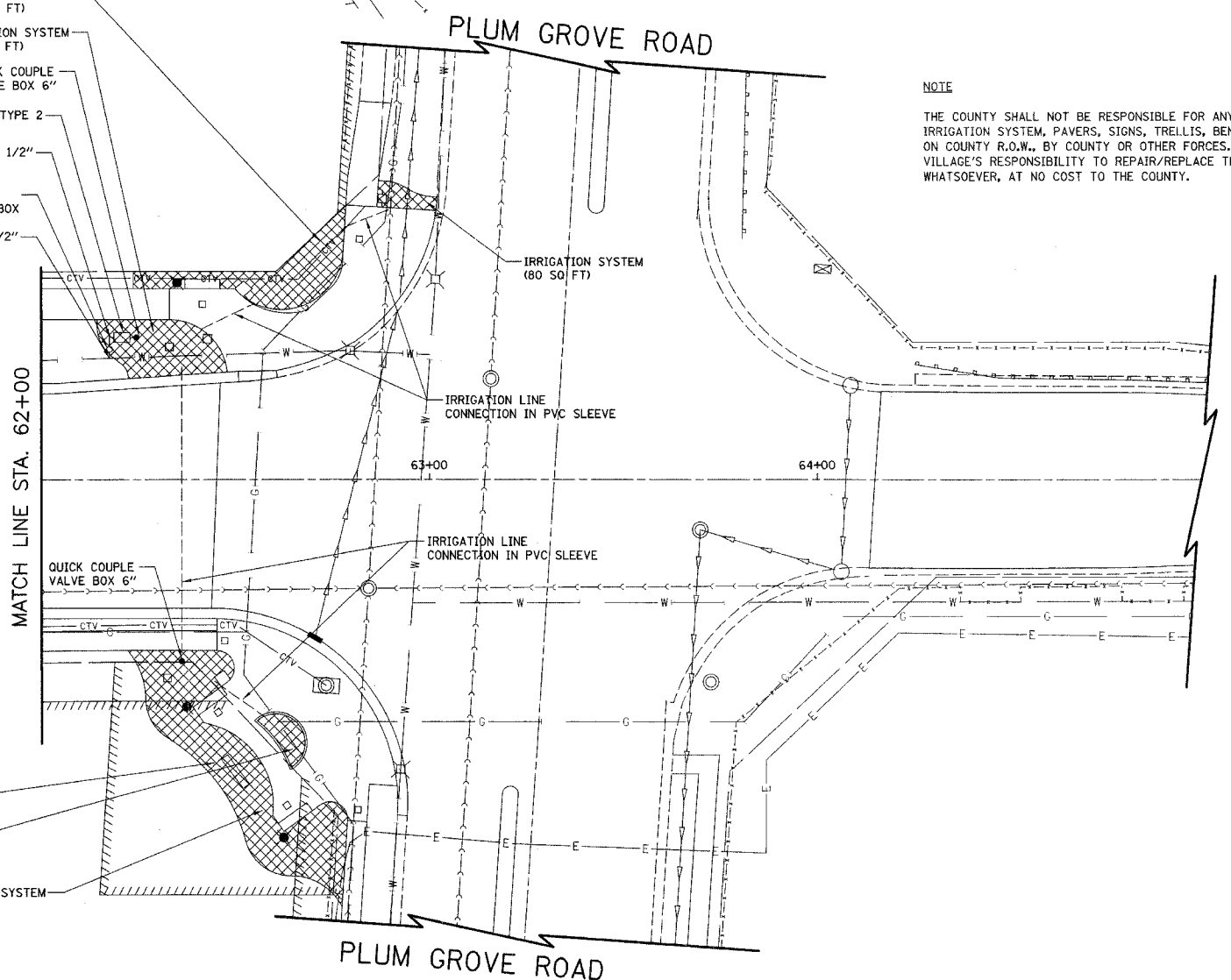
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	85
STA. 57+50		TO STA. 65+00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT W-6003(5)21				

NOTE: CONTRACTOR WILL BE REQUIRED TO DETERMINE SIZE OF REQUIRED IRRIGATION SERVICE LINE CONNECTION AND PVC SLEEVES



- IRRIGATION SYSTEM (433 SQ FT)
- IRRIGATION SYSTEM (390 SQ FT)
- QUICK COUPLE VALVE BOX 6"
- RPZ VALVE, TYPE 2
- 3' - WATER SERVICE LINE, 1 1/2"
- CURB STOP DOMESTIC WATER SERVICE BOX
- WATER SERVICE CONNECTION, 1 1/2"

NOTE
THE COUNTY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE IRRIGATION SYSTEM, PAVERS, SIGNS, TRELLIS, BENCHES, TRASH RECEPTACLES OR LANDSCAPING ON COUNTY R.O.W., BY COUNTY OR OTHER FORCES. IT SHALL BE THE VILLAGE'S RESPONSIBILITY TO REPAIR/REPLACE THESE ITEMS FROM ANY CAUSE WHATSOEVER, AT NO COST TO THE COUNTY.



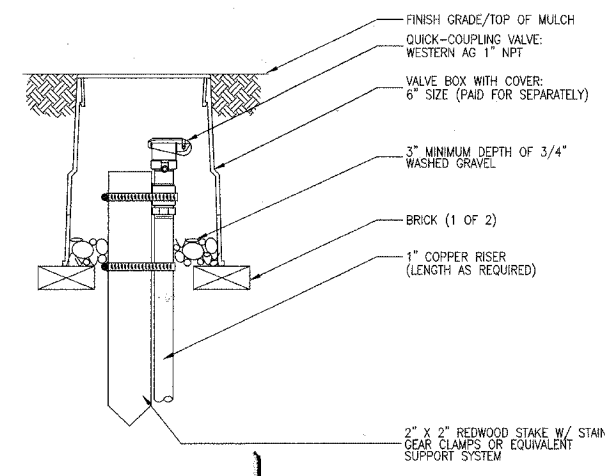
- IRRIGATION SYSTEM (1115 SQ FT)
- IRRIGATION SYSTEM (86 SQ FT)
- REMOVE EXISTING IRRIGATION SYSTEM

ILLINOIS DEPARTMENT OF TRANSPORTATION
IRRIGATION INSTALLATION PLAN
 STA. 57+50 TO STA. 65+00
WISE ROAD

HORIZ.: 20 0 20
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

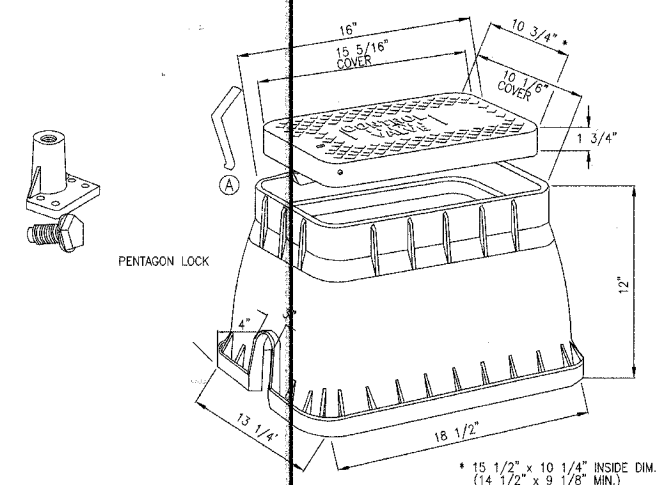
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	86
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(5)2				



NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

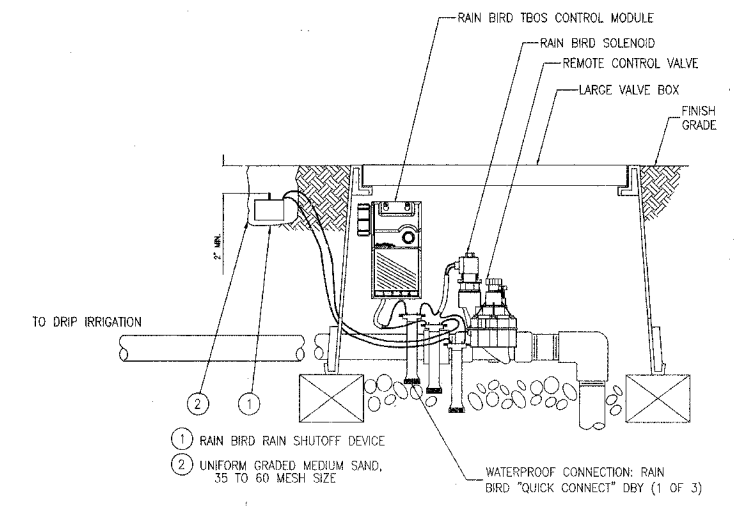
QUICK COUPLE

RUBBER COVERED QUICK COUPLING VALVE IN A VALVE BOX, ON A SWING JOINT STABILIZED WITH A REDWOOD STAKE AND CLAMPS.



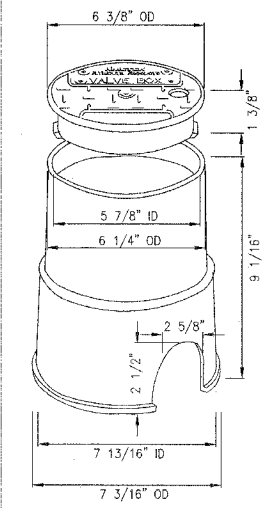
NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

LARGE VALVE BOX



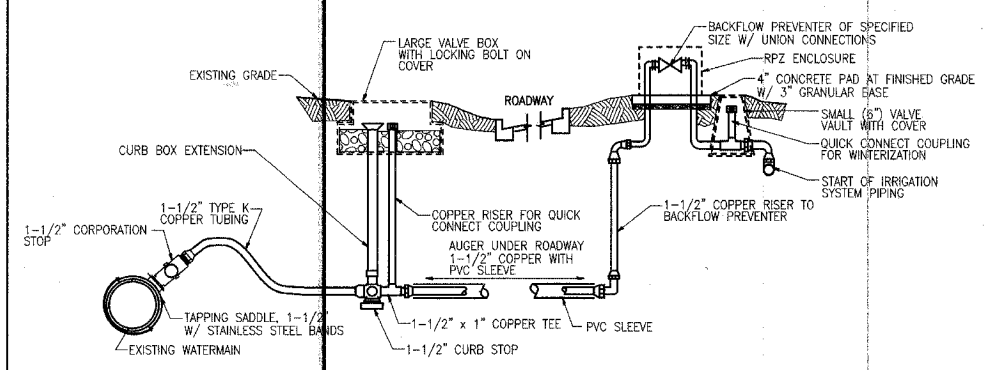
NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.

TBOS SYSTEM (PAID FOR AS "IRRIGATION SYSTEM")

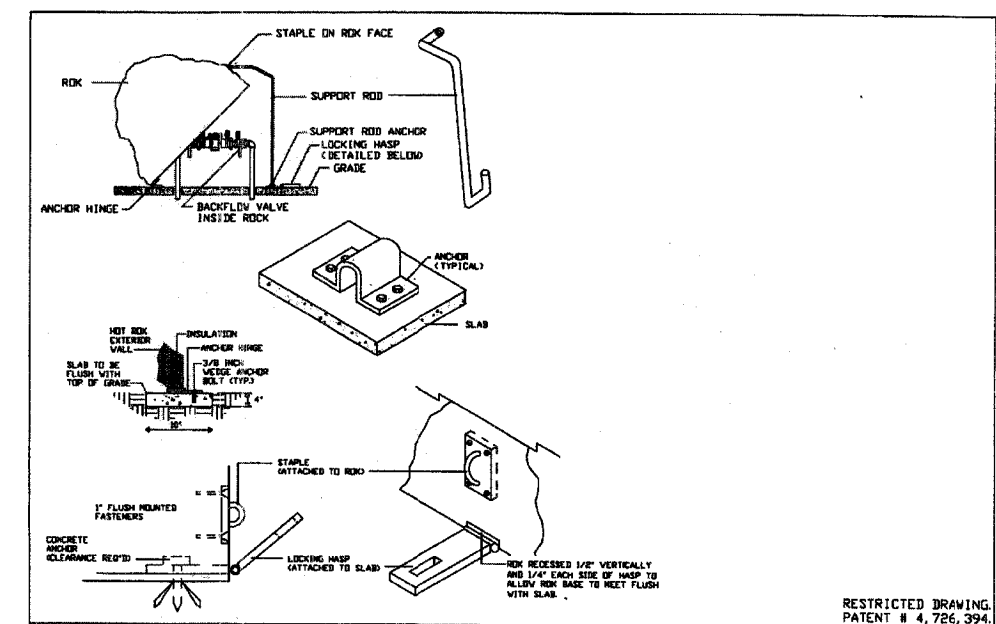


NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. DO NOT SCALE DRAWINGS.

VALVE BOX 6"



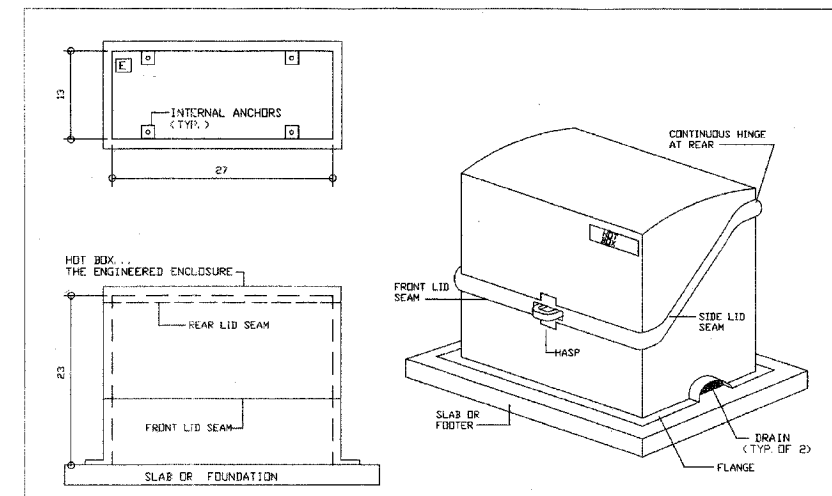
WATER SERVICE CONNECTION & BACKFLOW PREVENTER DETAIL FOR MEDIAN IRRIGATION SYSTEM



RESTRICTED DRAWING PATENT # 4,726,394

Hot Box® 250 LANE AVE. N. JACKSONVILLE, FLORIDA 32254 (904) 786-0284 (800) 736-0238 FAX (904) 783-6965 http://www.hot-box.com		TITLE: HOT ROK® INSTALLATION GUIDELINES		BY/DATE/DWG. NO. / 10-12-98 ROKINST1
ENGINEER / CONTRACTOR:		LOCATION: CATALOG DRAWING		APPROVED/DATE:
REV. 1: 1-26-99	REV. 2:	REV. 3:	SCALE: N. T. S.	REP. / DISTRIBUTOR:
				QUOTE NO.:

RPZ ENCLOSURE TYPE 1 (INCLUDED IN COST OF RPZ BACKFLOW PREVENTER, 1 1/2", TYPE 1)



RESTRICTED DRAWING PATENT # 4,726,394

Hot Box® 250 LANE AVE. N. JACKSONVILLE, FLORIDA 32254 (904) 786-0284 (800) 736-0238 FAX (904) 783-6965 http://www.hot-box.com		TITLE: STANDARD # HB1 FIBERGLASS ENCLOSURE		BY/DATE/DWG. NO. / 7-15-99 HB1
ENGINEER / CONTRACTOR:		LOCATION:		APPROVED/DATE:
REV. 1:	REV. 2:	REV. 3:	SCALE: N. T. S.	REP. / DISTRIBUTOR:
				QUOTE NO.:

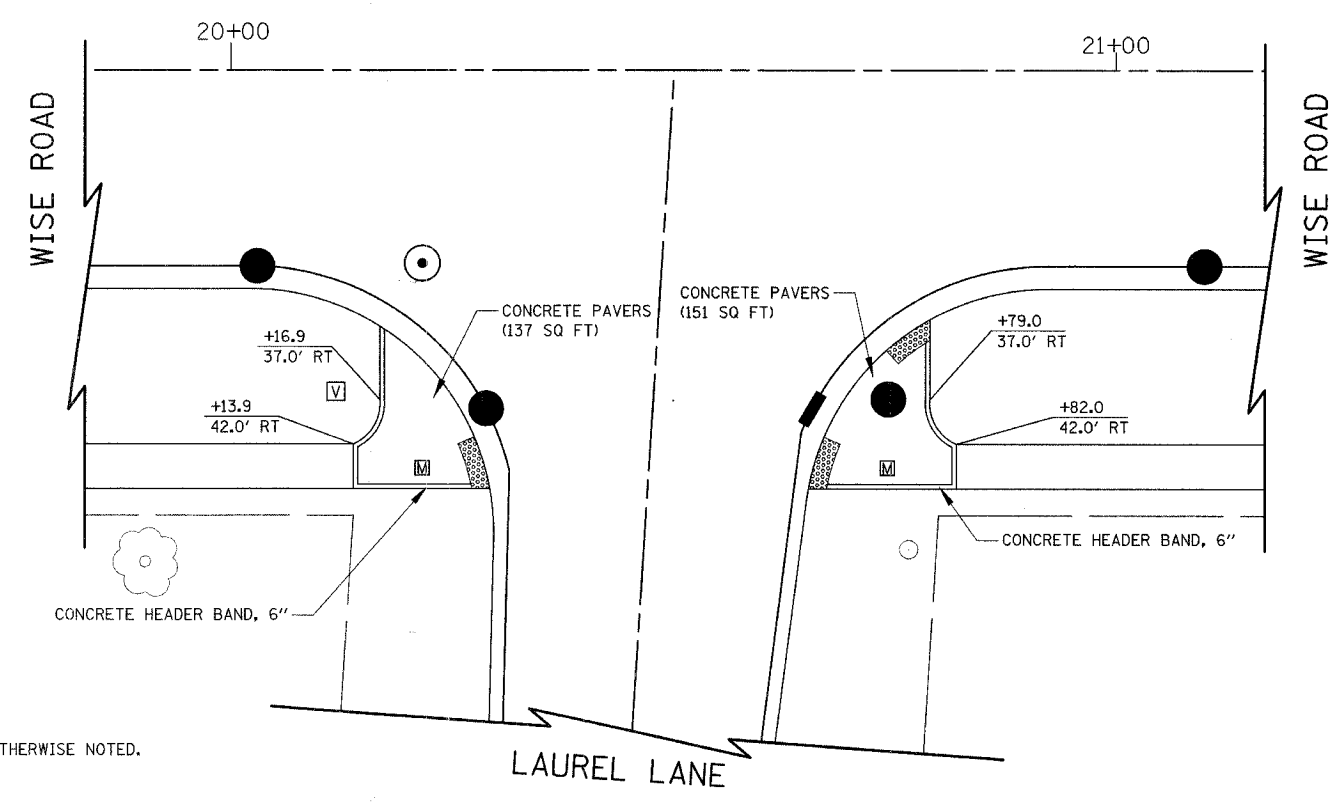
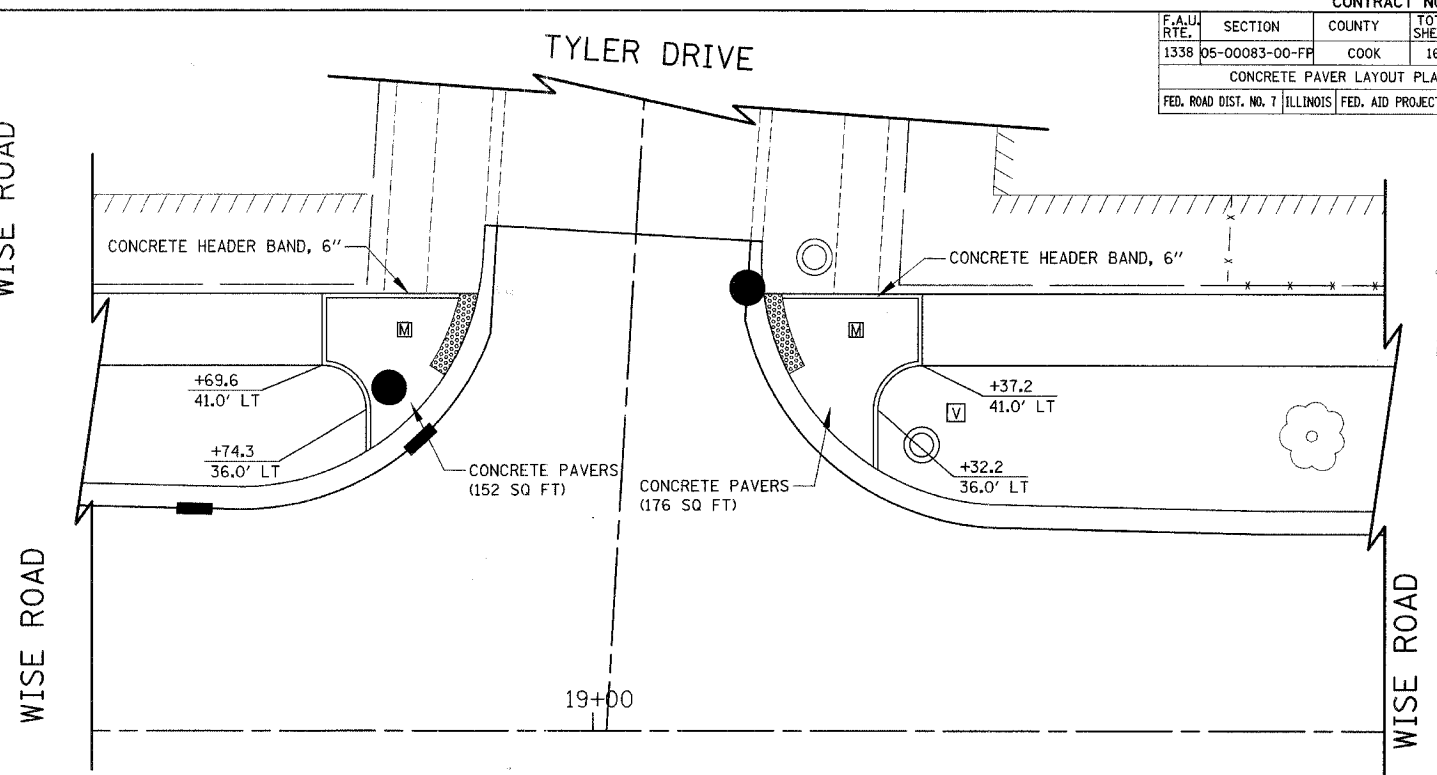
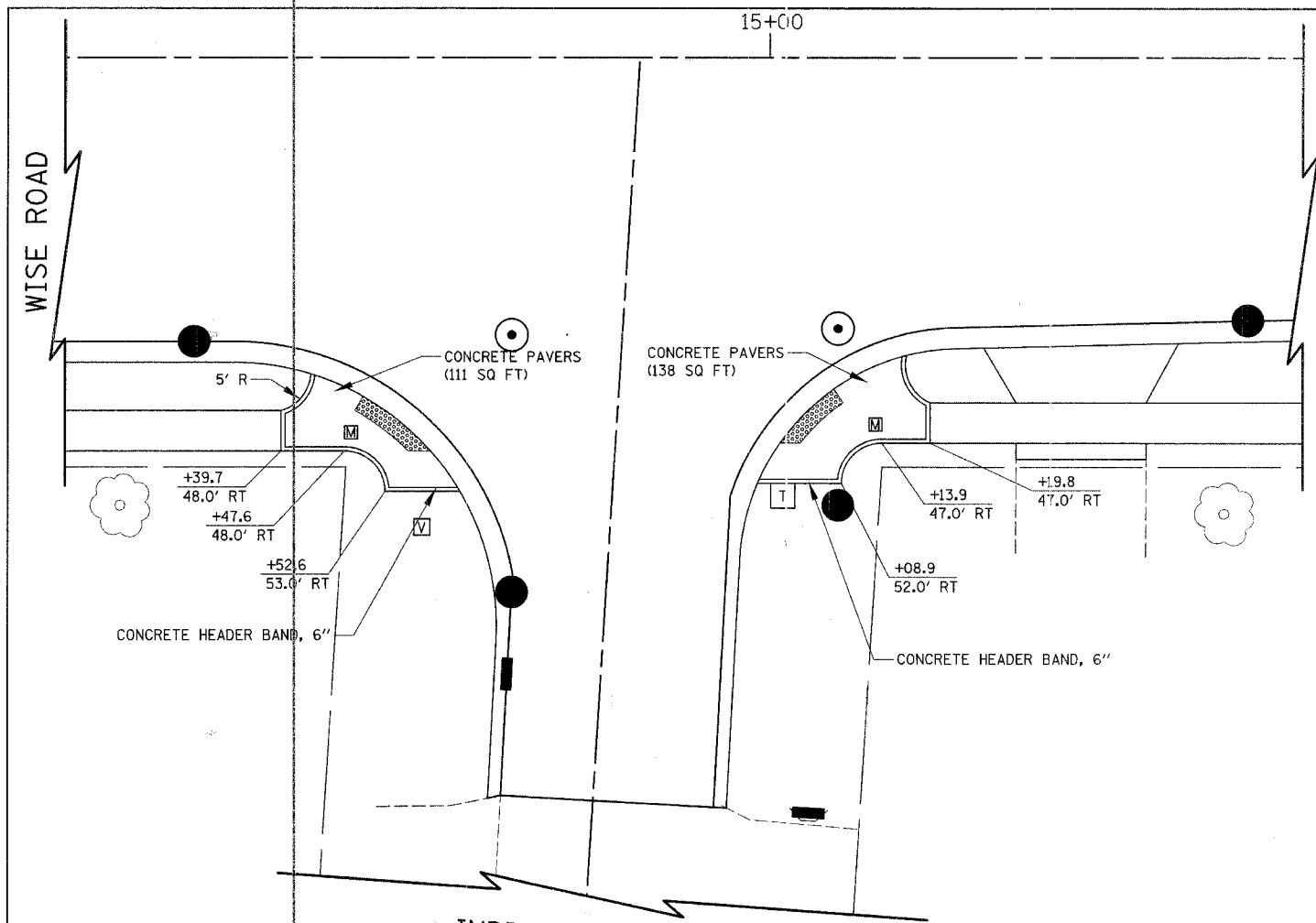
RPZ ENCLOSURE, TYPE 2 (INCLUDED IN COST OF RPZ BACKFLOW PREVENTER, 1 1/2", TYPE 2)

ILLINOIS DEPARTMENT OF TRANSPORTATION

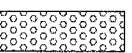



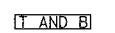
IRRIGATION DETAILS

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV
 NOT TO SCALE

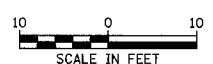
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	87
CONCRETE PAVER LAYOUT PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
ALL RADII ARE 5' UNLESS OTHERWISE NOTED.

- LEGEND**
-  DETECTABLE WARNINGS
 -  PAVER BLOCKS, SPECIAL
 -  VERTICAL IDENTIFIER
 -  TRASH RECEPTACLES
 -  TRELLIS AND BENCH

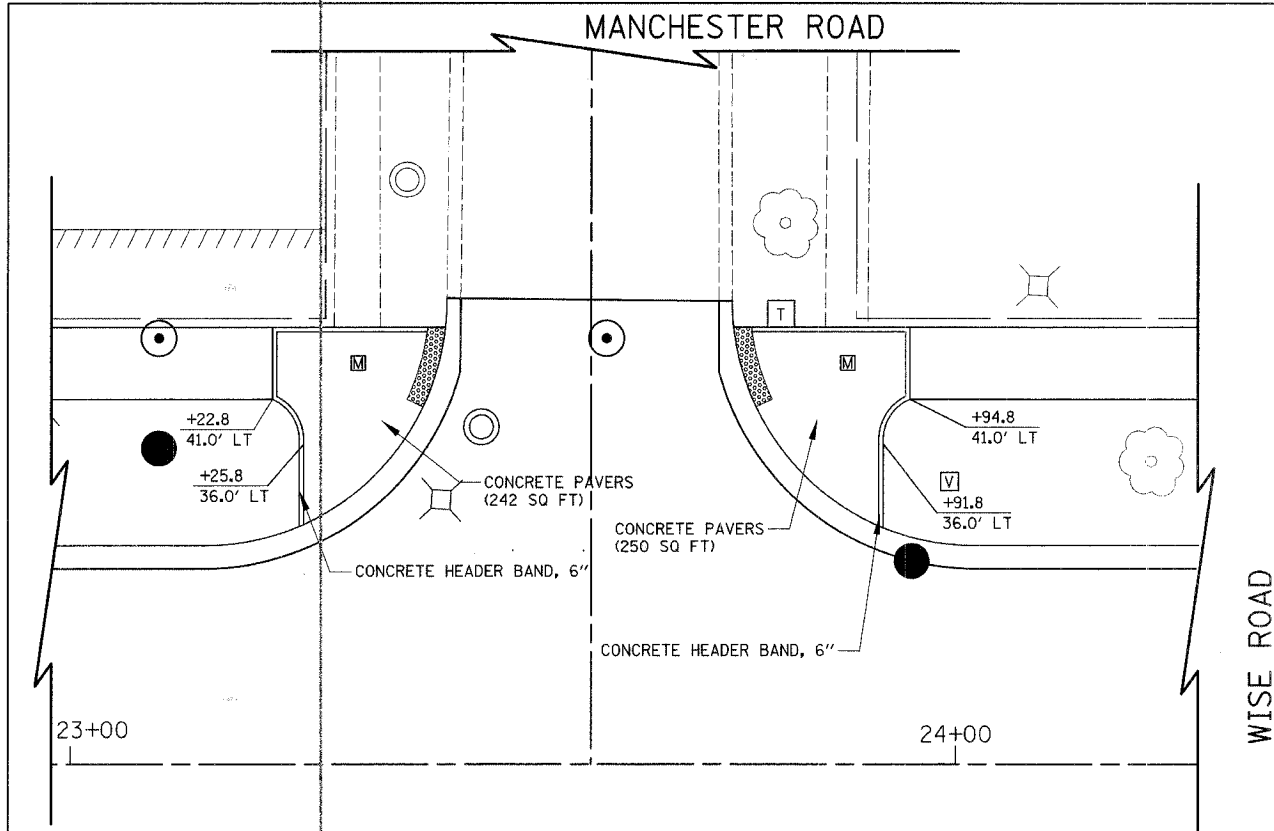
ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVER LAYOUT PLAN
INDIAN HILL DRIVE/WISE ROAD
LAUREL LANE/WISE ROAD
& CREST COURT/WISE ROAD



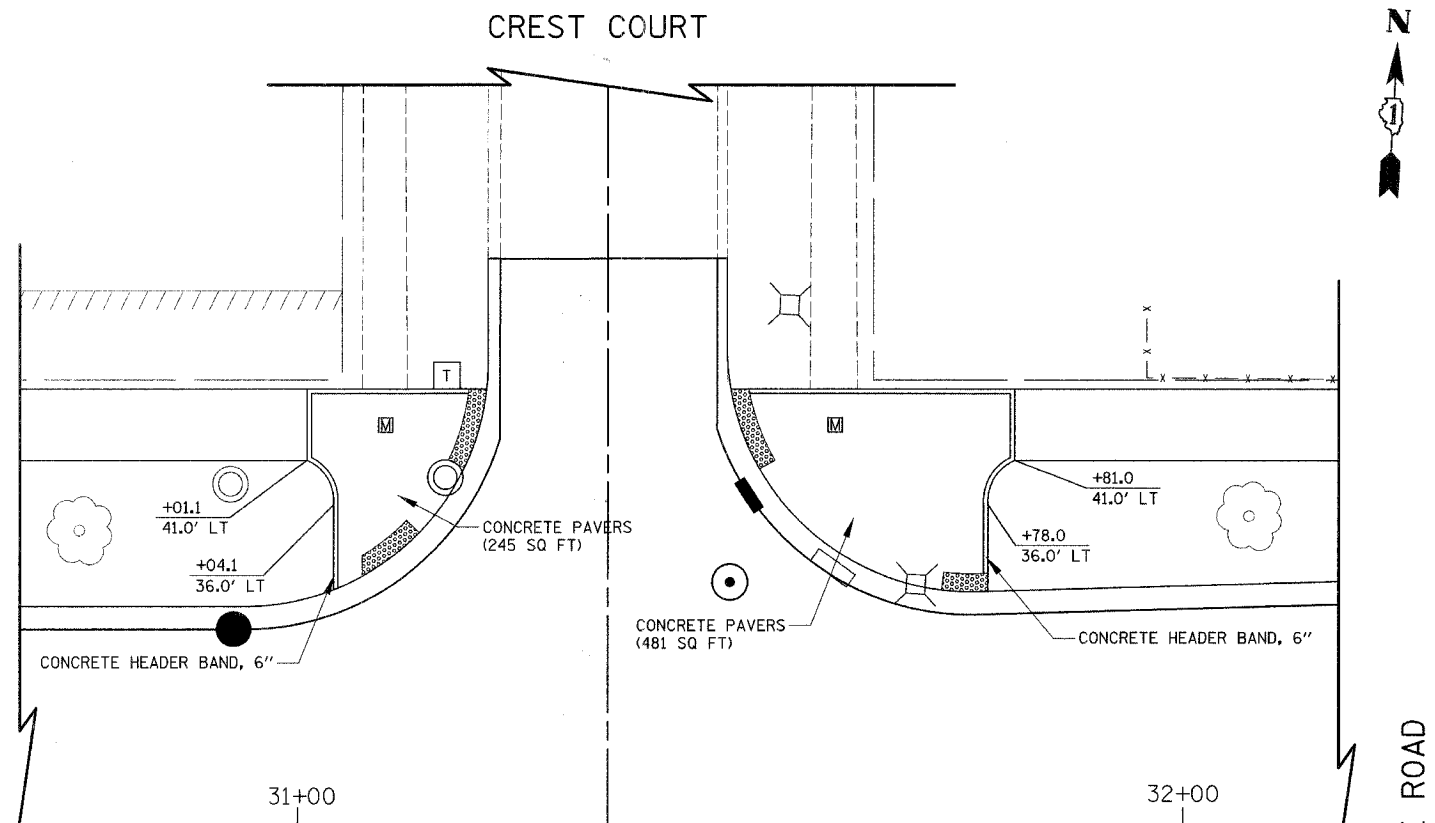
SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FR	COOK	167	88
CONCRETE PAVER LAYOUT PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

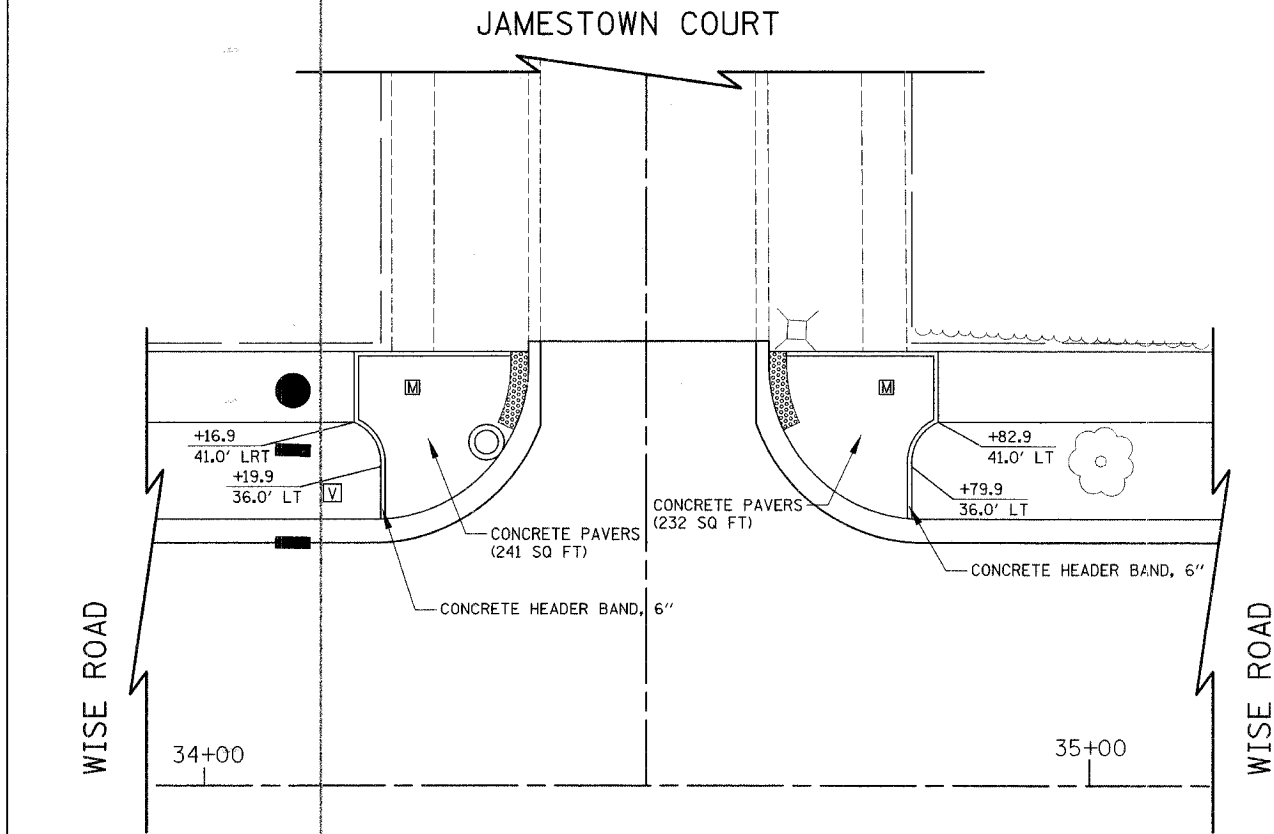


WISE ROAD



WISE ROAD

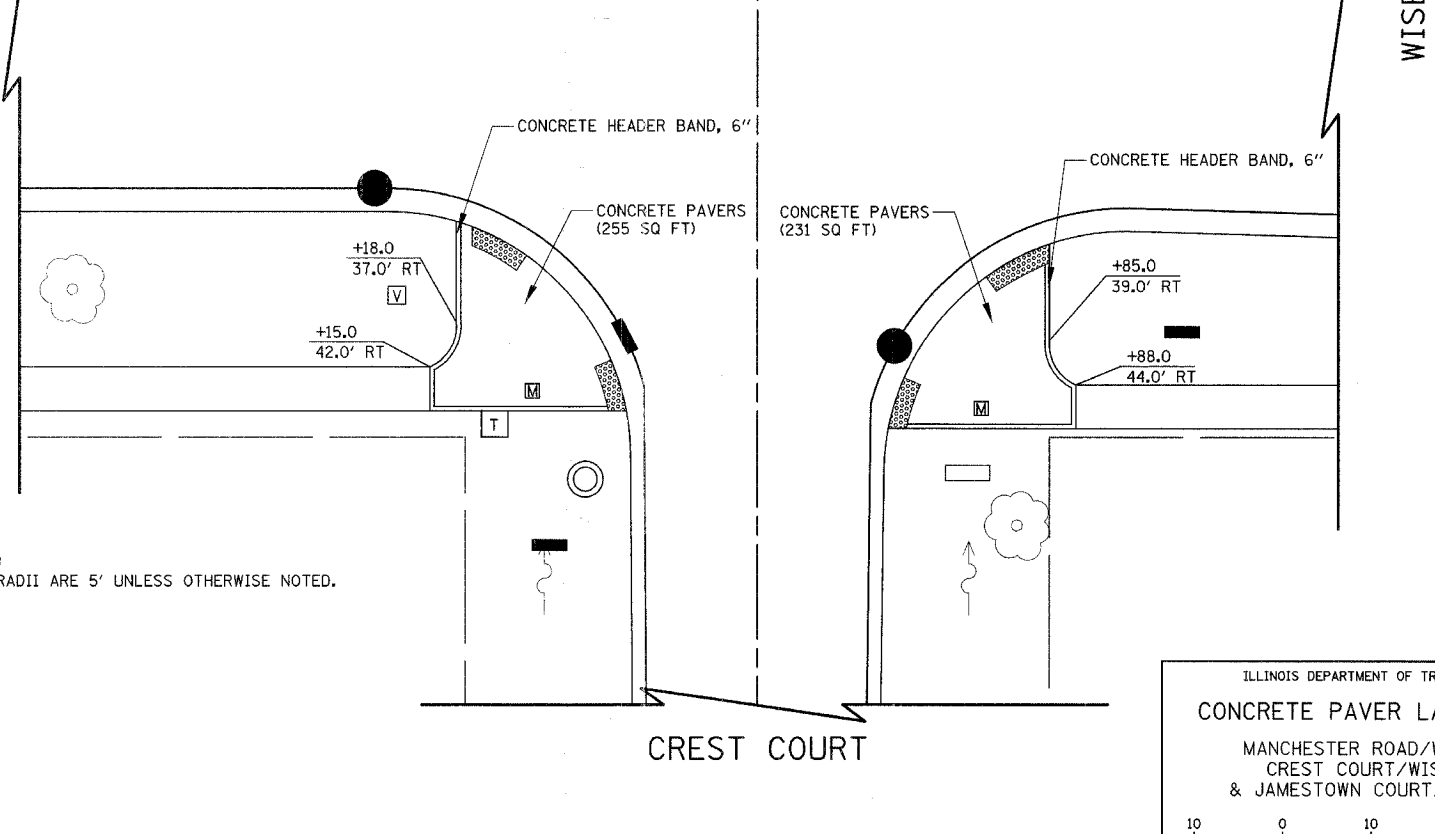
WISE ROAD



WISE ROAD

WISE ROAD

NOTE:
ALL RADII ARE 5' UNLESS OTHERWISE NOTED.



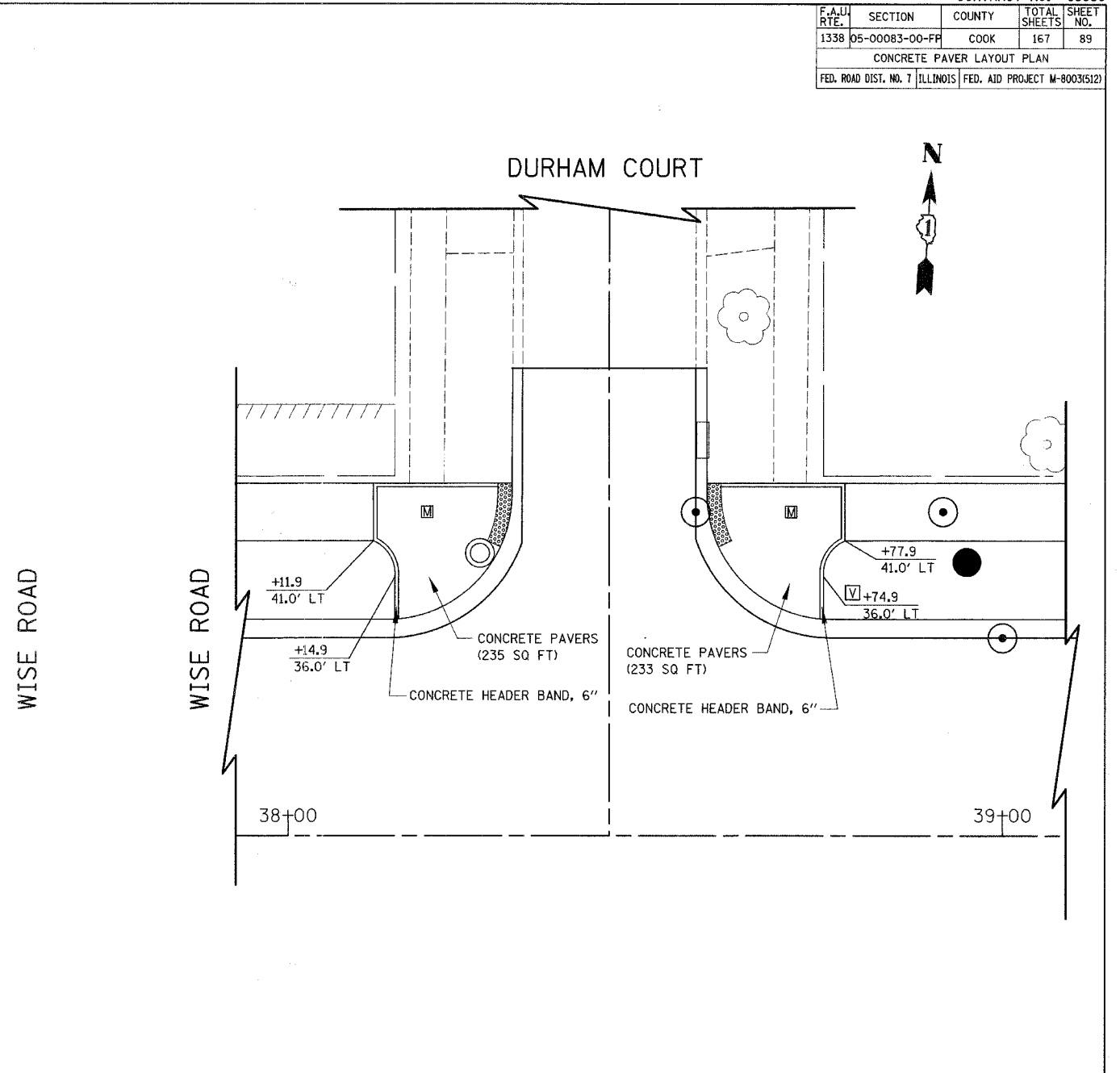
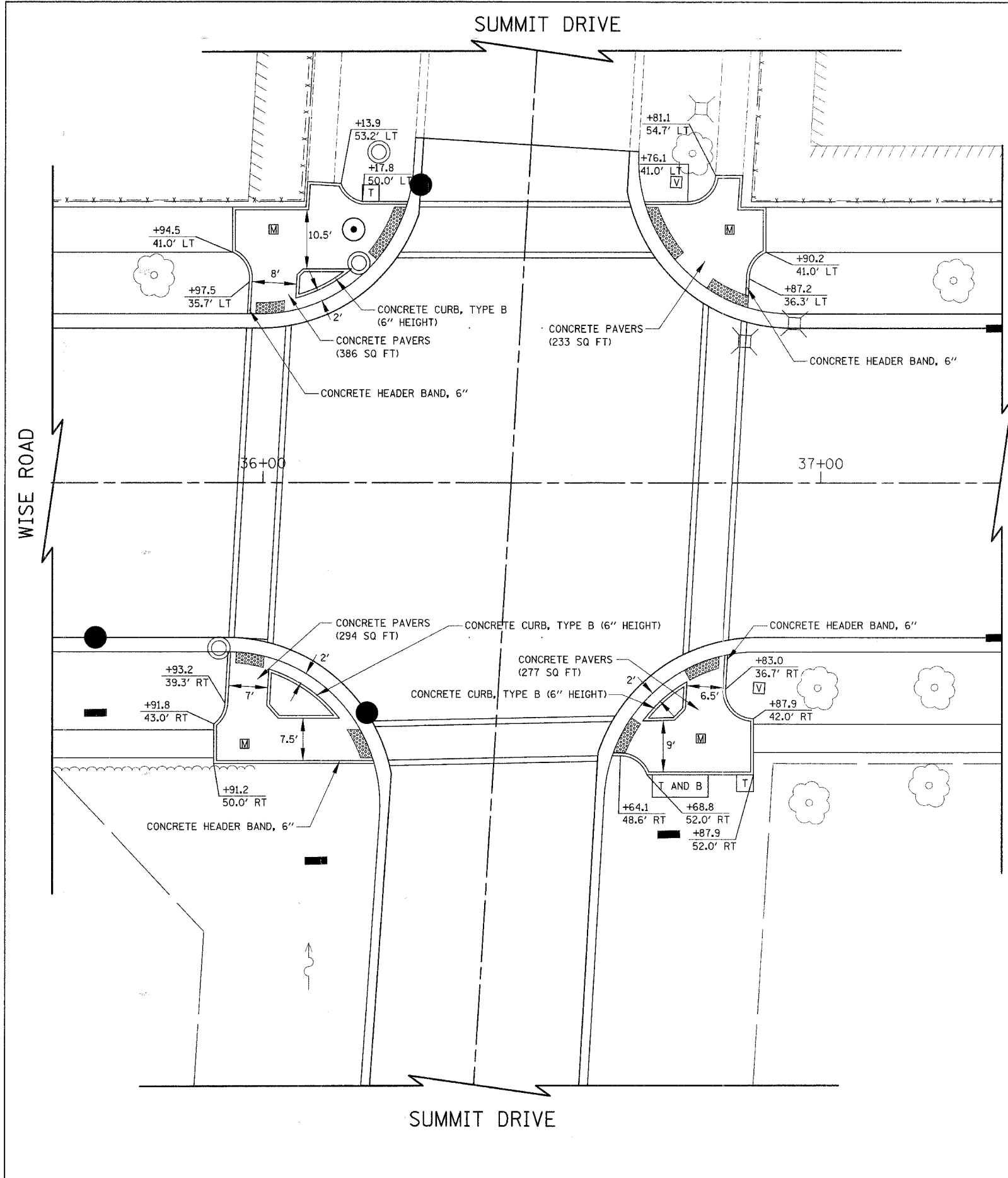
CREST COURT

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVER LAYOUT PLAN
MANCHESTER ROAD/WISE ROAD
CREST COURT/WISE ROAD
& JAMESTOWN COURT/WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	89
CONCRETE PAVER LAYOUT PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE:
ALL RADII ARE 5' UNLESS OTHERWISE NOTED.

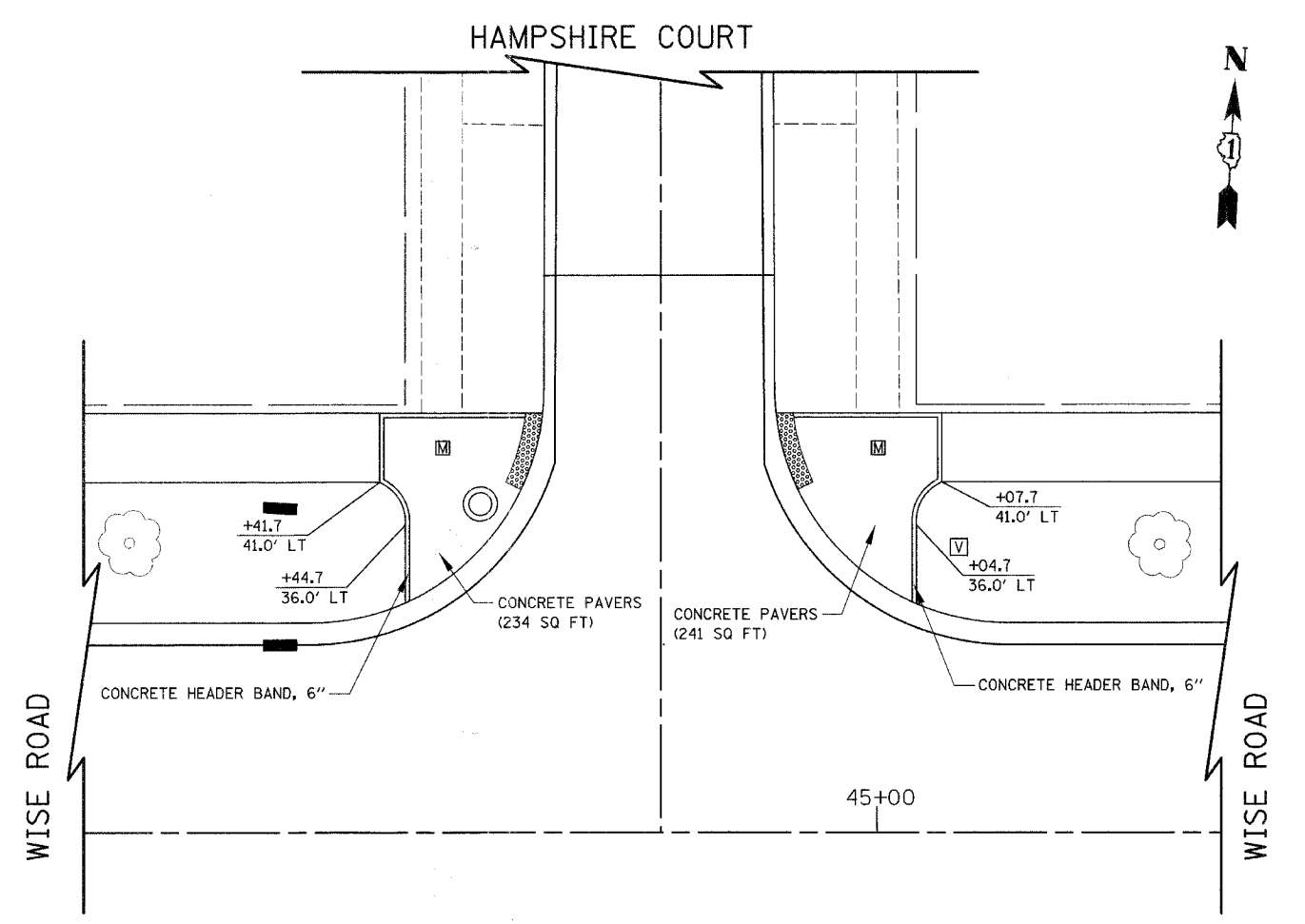
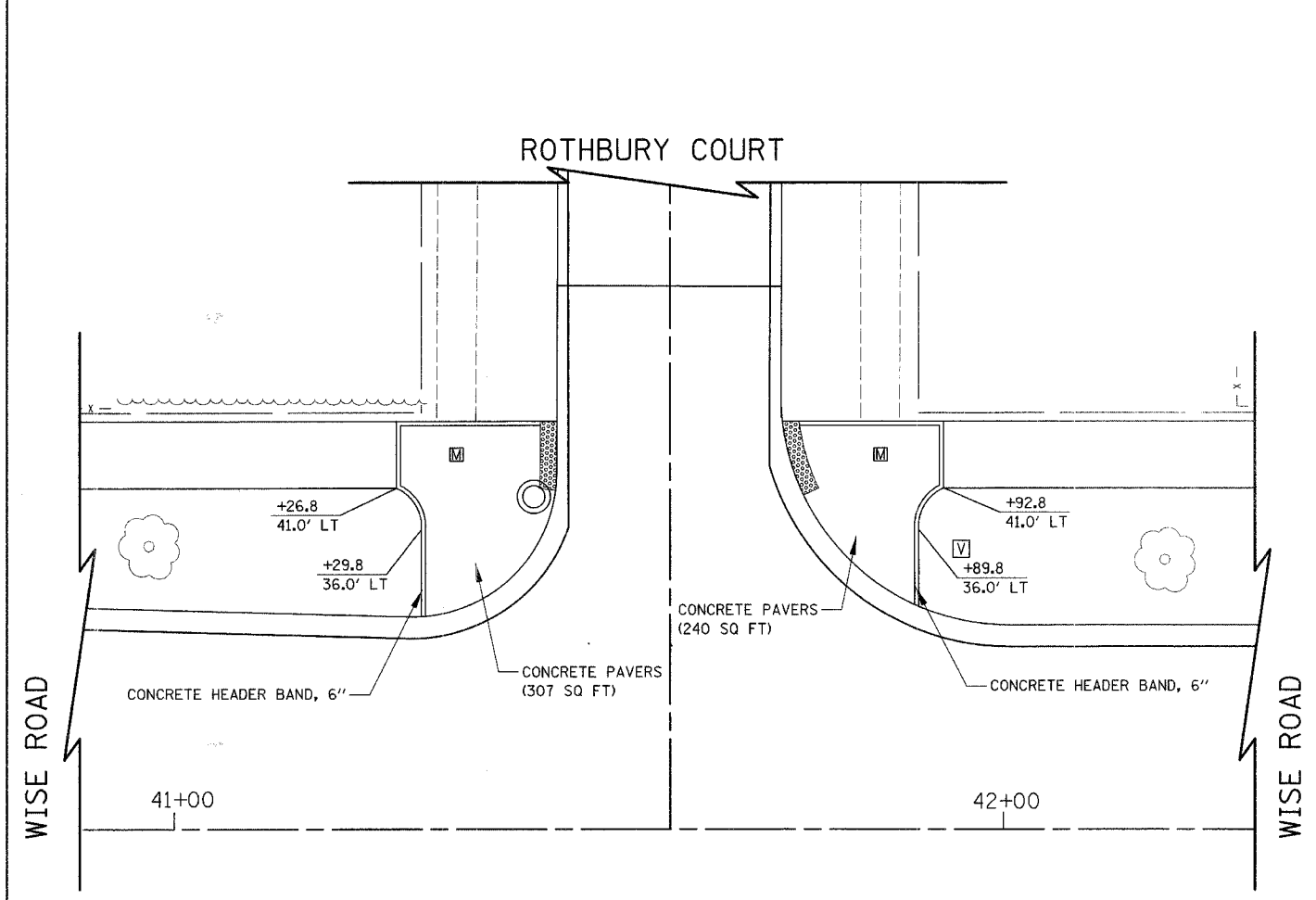
ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVER LAYOUT PLAN

SUMMIT DRIVE/WISE ROAD
& DURHAM COURT/WISE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: DJK
CHECKED BY: JRV

CONTRACT NO. 83980			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1338	D5-00083-00-FP	COOK	167 90
CONCRETE PAVER LAYOUT PLAN			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(5)22			



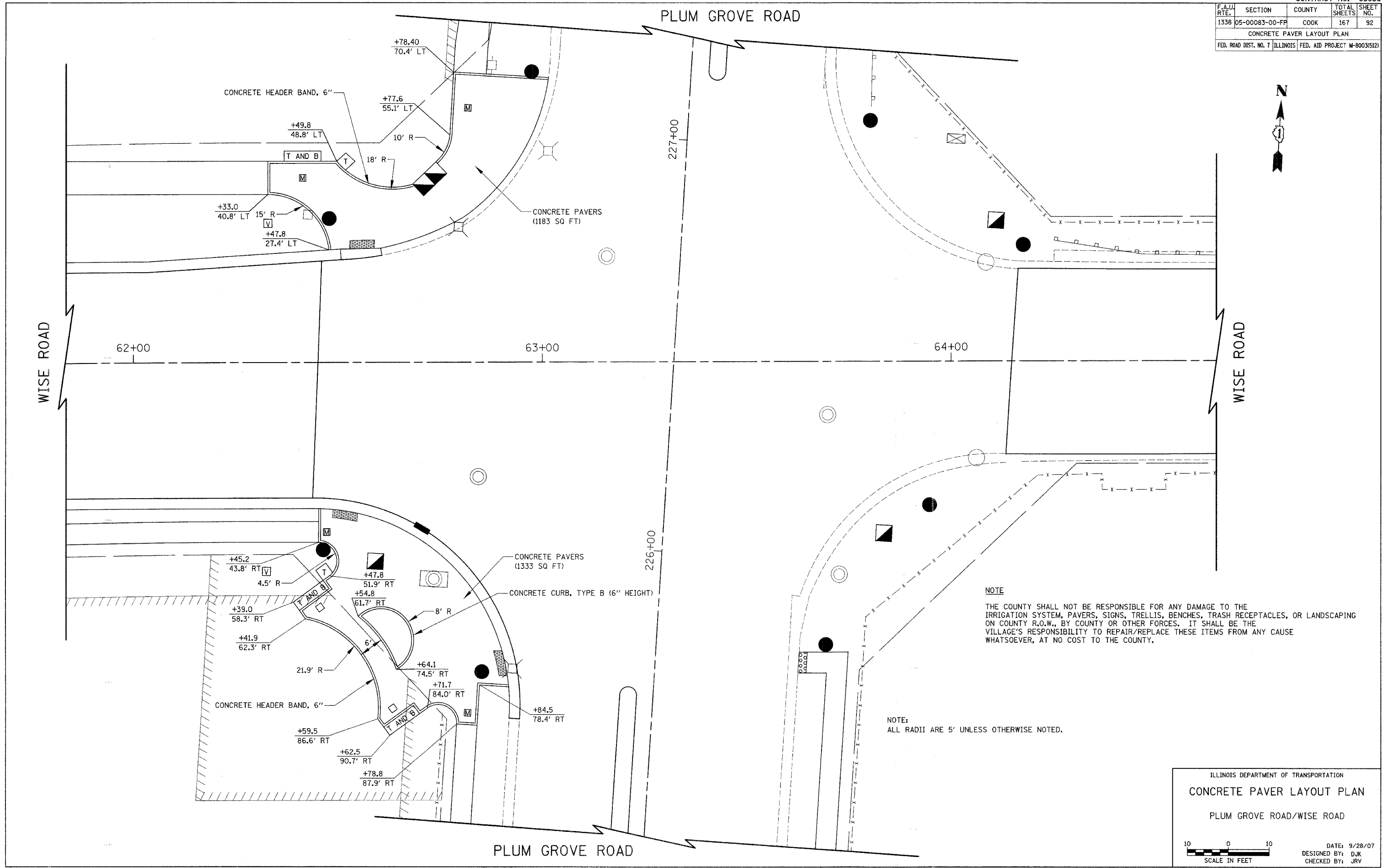
NOTE:
ALL RADII ARE 5' UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVER LAYOUT PLAN
 ROTHBURY COURT/WISE ROAD
 & HAMPSHIRE COURT/WISE ROAD

10 0 10
 SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	92
CONCRETE PAVER LAYOUT PLAN				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



NOTE
 THE COUNTY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE IRRIGATION SYSTEM, PAVERS, SIGNS, TRELIS, BENCHES, TRASH RECEPTACLES, OR LANDSCAPING ON COUNTY R.O.W., BY COUNTY OR OTHER FORCES. IT SHALL BE THE VILLAGE'S RESPONSIBILITY TO REPAIR/REPLACE THESE ITEMS FROM ANY CAUSE WHATSOEVER, AT NO COST TO THE COUNTY.

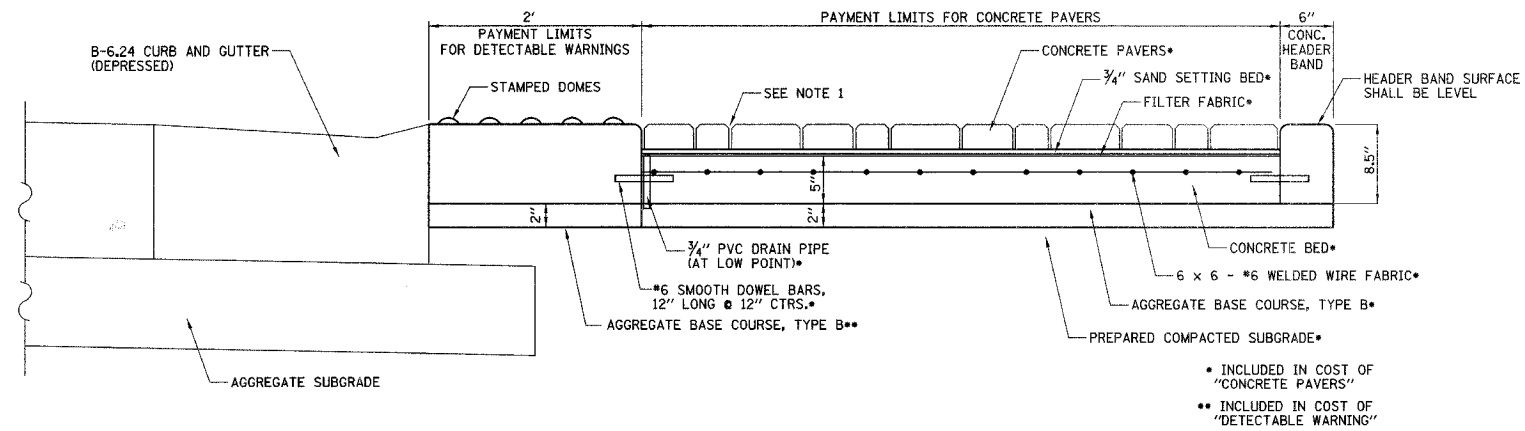
NOTE:
 ALL RADII ARE 5' UNLESS OTHERWISE NOTED.

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE PAVER LAYOUT PLAN
 PLUM GROVE ROAD/WISE ROAD

SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	93
CONCRETE PAVER DETAILS				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-80035121				

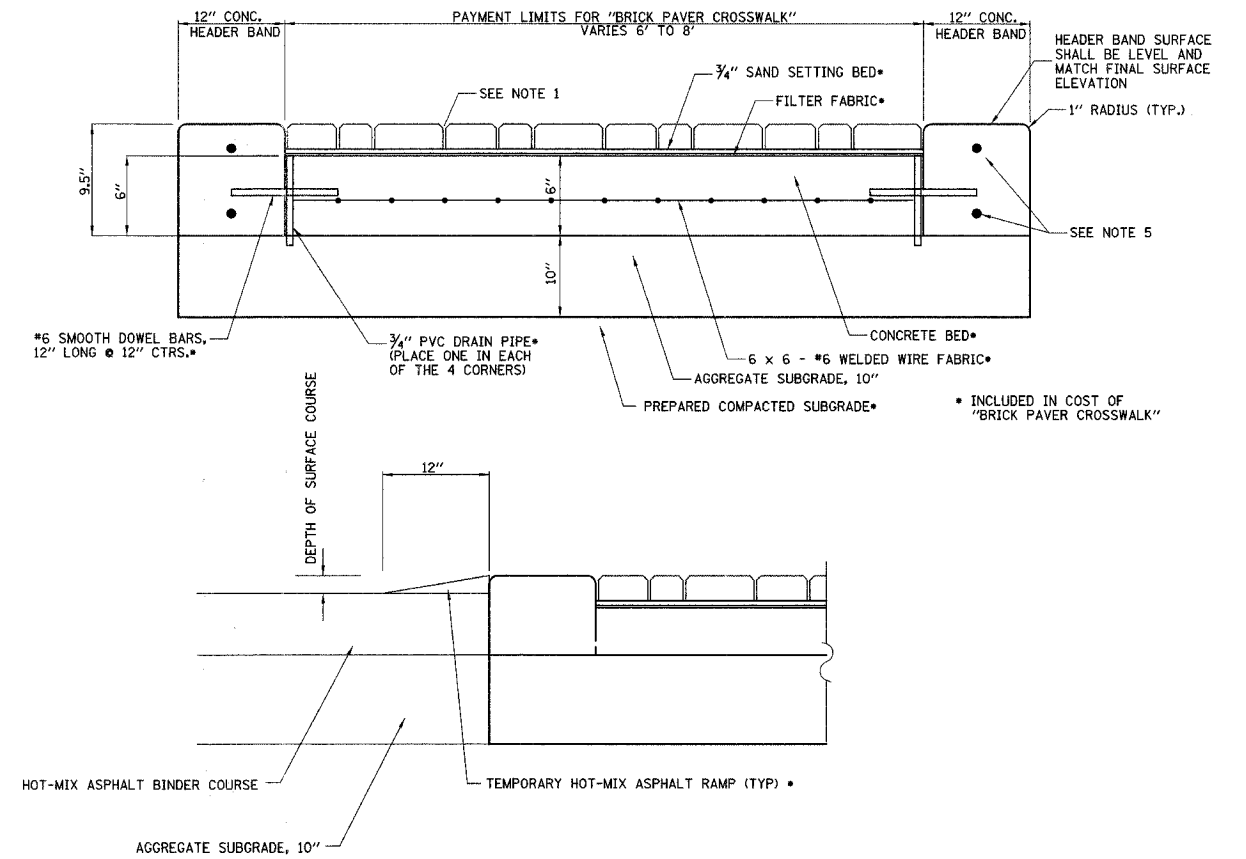


CONCRETE PAVER TYPICAL SECTION

NOTES:

1. SWEEP SAND INTO JOINTS. MECHANICALLY COMPACT. REPEAT PROCEDURE AFTER 48 HOURS.
2. DETECTABLE WARNING, CONCRETE BED AND CONCRETE HEADER BAND SHALL NOT BE POURED MONOLITHICALLY.

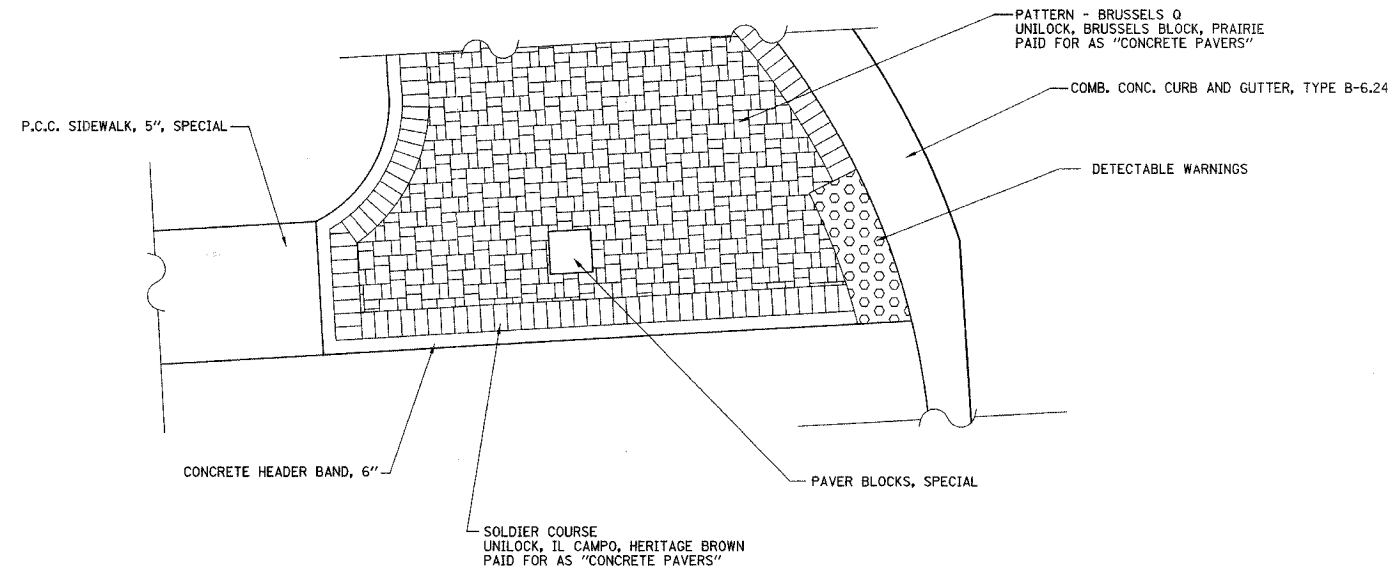
• INCLUDED IN COST OF "CONCRETE PAVERS"
 • INCLUDED IN COST OF "DETECTABLE WARNING"



BRICK PAVER CROSSWALK TYPICAL SECTION

NOTES:

1. SWEEP SAND INTO JOINTS. MECHANICALLY COMPACT. REPEAT PROCEDURE AFTER 48 HOURS.
2. MONOLITHIC POURS OF THE CONCRETE HEADER BAND AND CONCRETE BED WILL NOT BE ALLOWED.
3. TEMPORARY HMA RAMPS SHALL BE CONSTRUCTED PRIOR TO ALLOWING TRAFFIC TO DRIVE ACROSS BRICK PAVER CROSSWALKS. THE RAMPS SHALL BE REMOVED PRIOR TO PLACEMENT OF HMA SURFACE COURSE. THIS WORK SHALL BE INCLUDED IN THE COST OF "BRICK PAVER CROSSWALK".
4. THE PAVERS SHALL BE UNILOCK, BRUSSELS BLOCK, PRAIRIE COLOR PLACED IN THE BRUSSELS LAYING PATTERN, OR APPROVED EQUAL.
5. USE TWO NO. 4 EPOXY COATED RE-BARS THAT END 12" FROM THE CONSTRUCTION JOINT. USE TWO-18" NO. 6 SMOOTH BARS WITH EXPANSION CAP PLACED IN 1/2" REMOLDED JOINT AT CONSTRUCTION JOINT. THIS WORK SHALL BE INCLUDED IN THE COST OF CONCRETE HEADER BAND, 12".
6. BRICK PAVER CROSSWALK SHALL NOT BE CONSTRUCTED UNTIL AGGREGATE SUBGRADE AND BINDER COURSES HAVE BEEN COMPLETED IN EACH STAGE. THE NEWLY PLACED BINDER SHALL BE SAWCUT AND REMOVED FOR THE WIDTH OF CROSSWALK (PAID FOR AS PAVEMENT REMOVAL).



TYPICAL CONCRETE PAVER LAYOUT

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONCRETE PAVER DETAILS

DATE: 9/28/07
 DESIGNED BY: DJK
 CHECKED BY: JRV

NOT TO SCALE

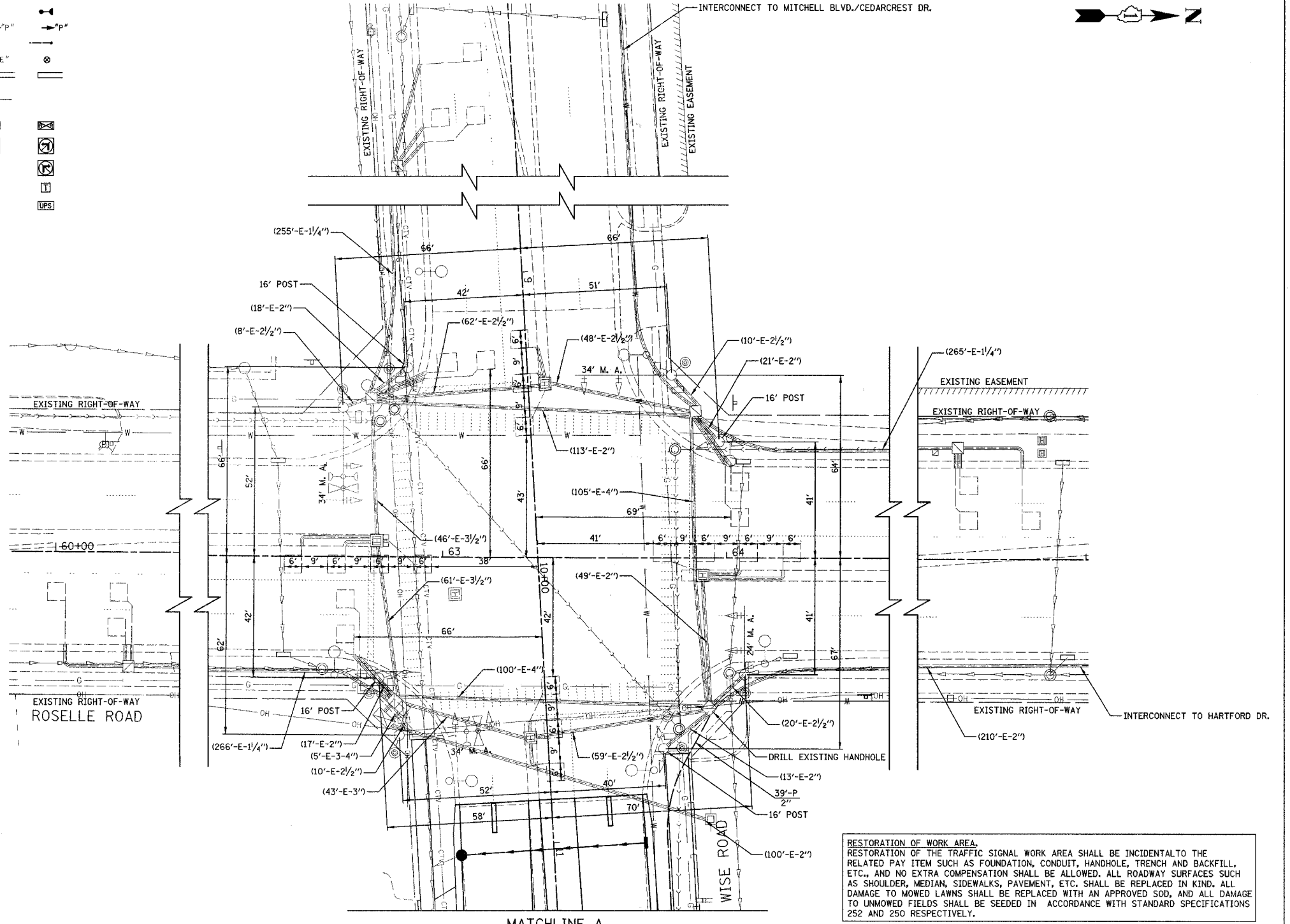
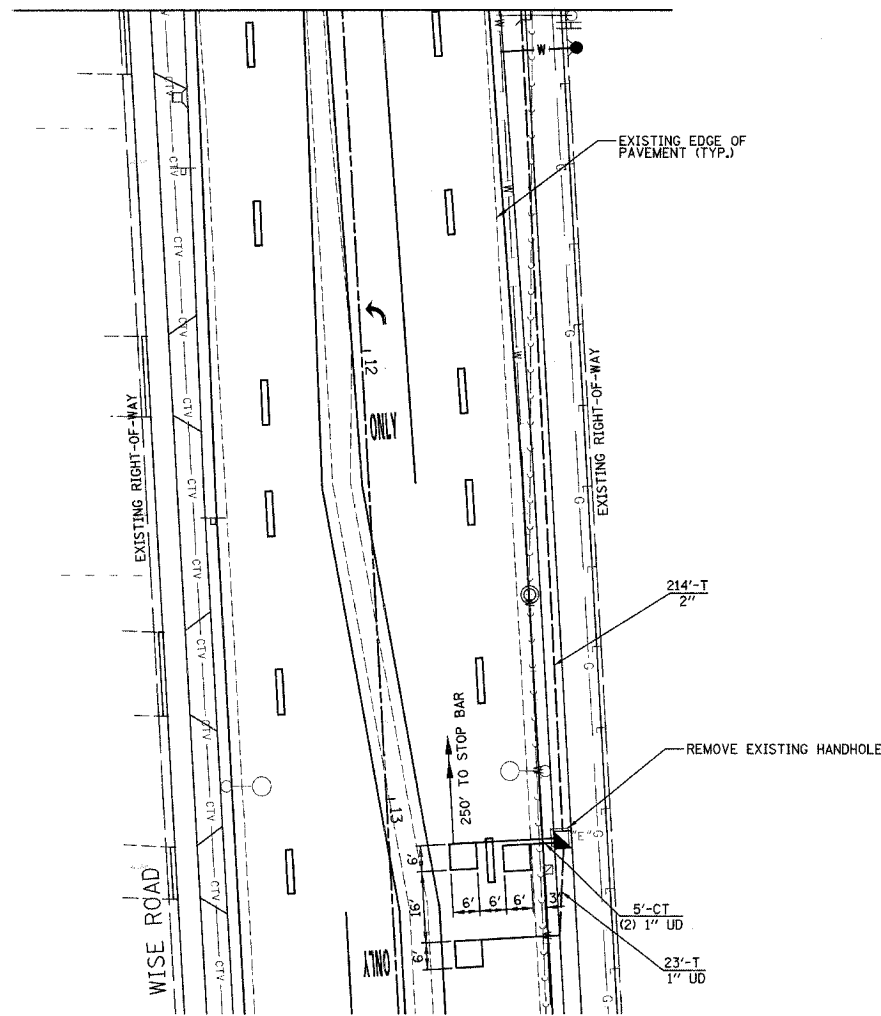
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	94
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

TRAFFIC SIGNAL LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
CONTROLLER			DETECTOR LOOP				
SERVICE INSTALLATION			CAST IRON JUNCTION BOX				
SIGNAL HEAD			EMERGENCY VEHICLE SYSTEM DETECTOR				
SIGNAL HEAD WITH BACKPLATE			CONFIRMATION BEACON				
SIGNAL HEAD, PEDESTRIAN			SIGNAL HEAD PROGRAMMED				
SIGNAL POST			CONDUIT SPLICE				
MAST ARM ASSEMBLY AND POLE, STEEL			WOOD POLE				
MAST ARM ASSEMBLY AND POLE, ALUMINUM			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II				
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE				
COMMON TRENCH		CT	RAILROAD CONTROLLER				
UNIT DUCT		UD	ILLUMINATED SIGN, FIBER OPTIC NO LEFT TURN				
HANDHOLE			ILLUMINATED SIGN, FIBER OPTIC NO RIGHT TURN				
HEAVY-DUTY HANDHOLE			TELEPHONE CONNECTION				
DOUBLE HANDHOLE			UNINTERRUPTIBLE POWER SUPPLY				
G.S. CONDUIT IN TRENCH OR PUSHED							
PEDESTRIAN PUSH-BUTTON DETECTOR							



MATCHLINE A



MATCHLINE A

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 SHOULDER, 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

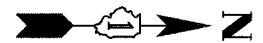
TRAFFIC SIGNAL MODIFICATION PLAN

WISE ROAD AND ROSELLE ROAD

SCALE IN FEET

DATE: 9/28/07
 DESIGNED BY: JJE
 CHECKED BY: JRJ

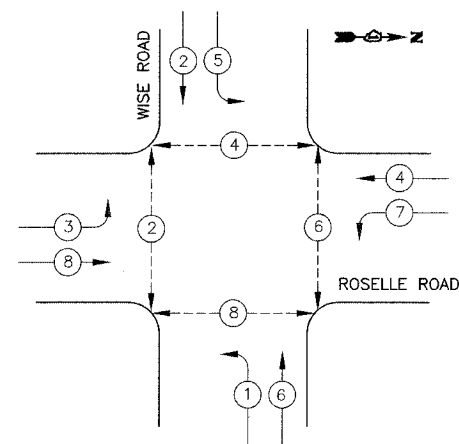
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	95
STA. TO STA.				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				



CABLE PLAN LEGEND

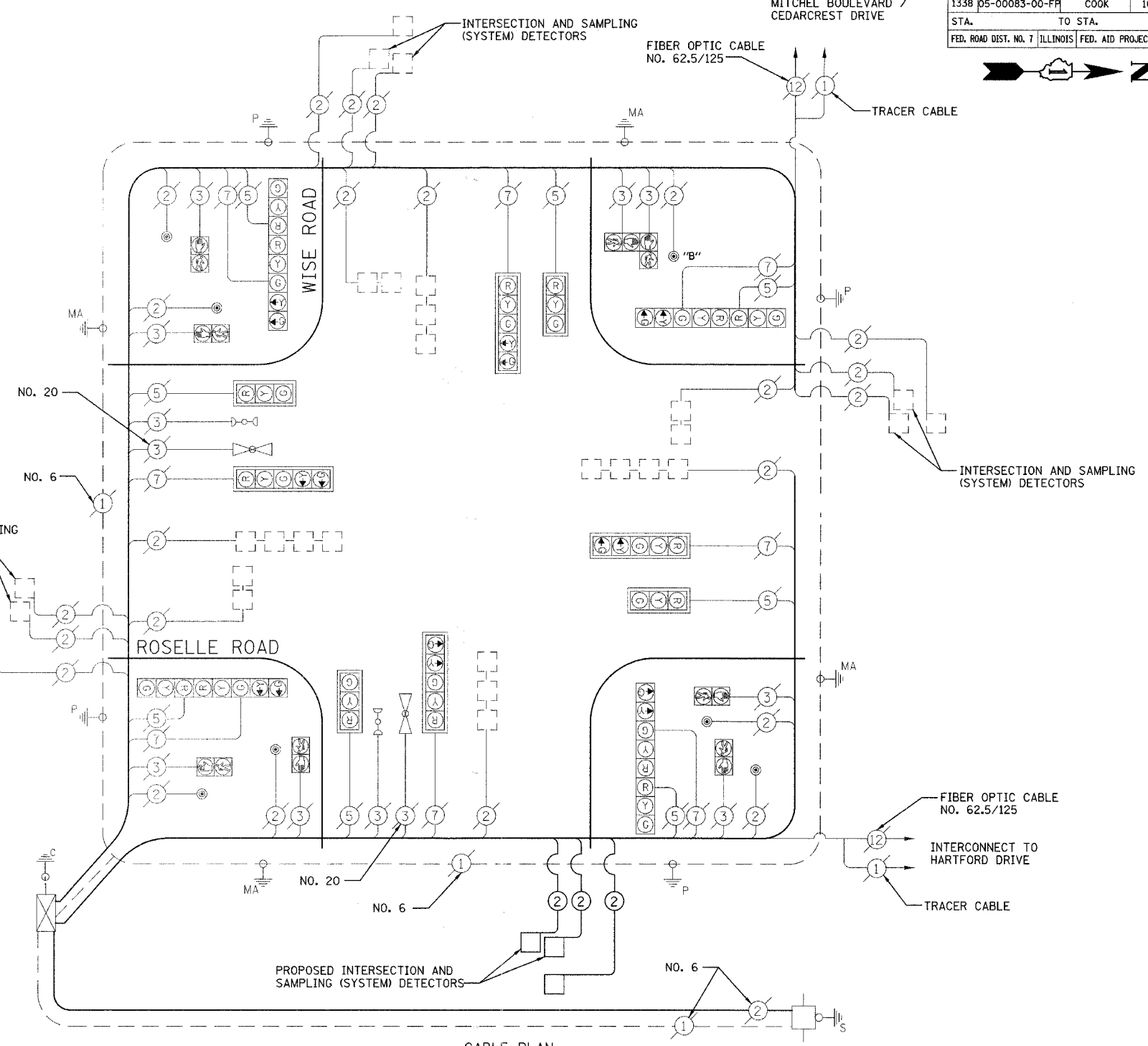
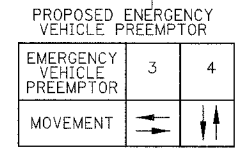
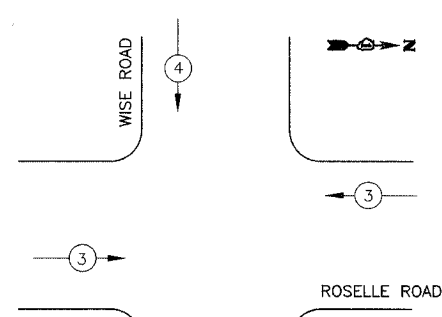
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EXISTING / PROPOSED CONTROLLER SEQUENCE



- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - OVERLAP
 - PEDESTRIAN MOVEMENT
 - NUMBER REFERS TO ASSOCIATED PHASE

EXISTING / PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN NOT TO SCALE

NOTE: PUSHBUTTON B SHALL PLACE A CALL TO PHASES 4 & 6

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	200
(GREEN)	16		15	0.25	120
ARROW	8		12	0.10	10
PED SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
TOTAL =					766

ENERGY COSTS TO: COOK COUNTY HIGHWAY DEPARTMENT
69 WEST WASHINGTON STREET
CHICAGO, IL 60602

ENERGY SUPPLY: CONTACT: MICHAEL BELL
PHONE: (630) 691-4529
COMPANY: COM ED

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

SCHEDULE OF QUANTITIES		
PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	214
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	39
HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	214
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1166
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	105
REMOVE EXISTING HANDHOLE	EACH	1

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES

WISE ROAD AND ROSELLE ROAD

DATE: 9/28/07
DESIGNED BY: JJE
CHECKED BY: JRV

SCALE: NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	96
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(512)				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY CCHD OR IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL TO THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH COM ED TO MEET THE REQUIRED CLEARANCES FROM THE COM ED OVERHEAD LINES.

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING ILLUMINATED SIGN TO BE RELOCATED

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY PEDESTRIAN PUSHBUTTON DETECTOR
- VIDEO VEHICLE DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- HEAVY-DUTY HANDHOLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE COOK COUNTY HIGHWAY DEPARTMENT. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE COUNTY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

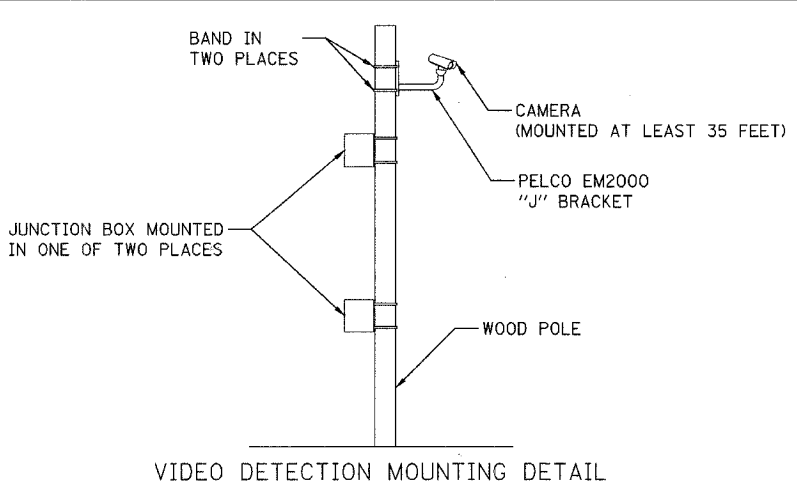
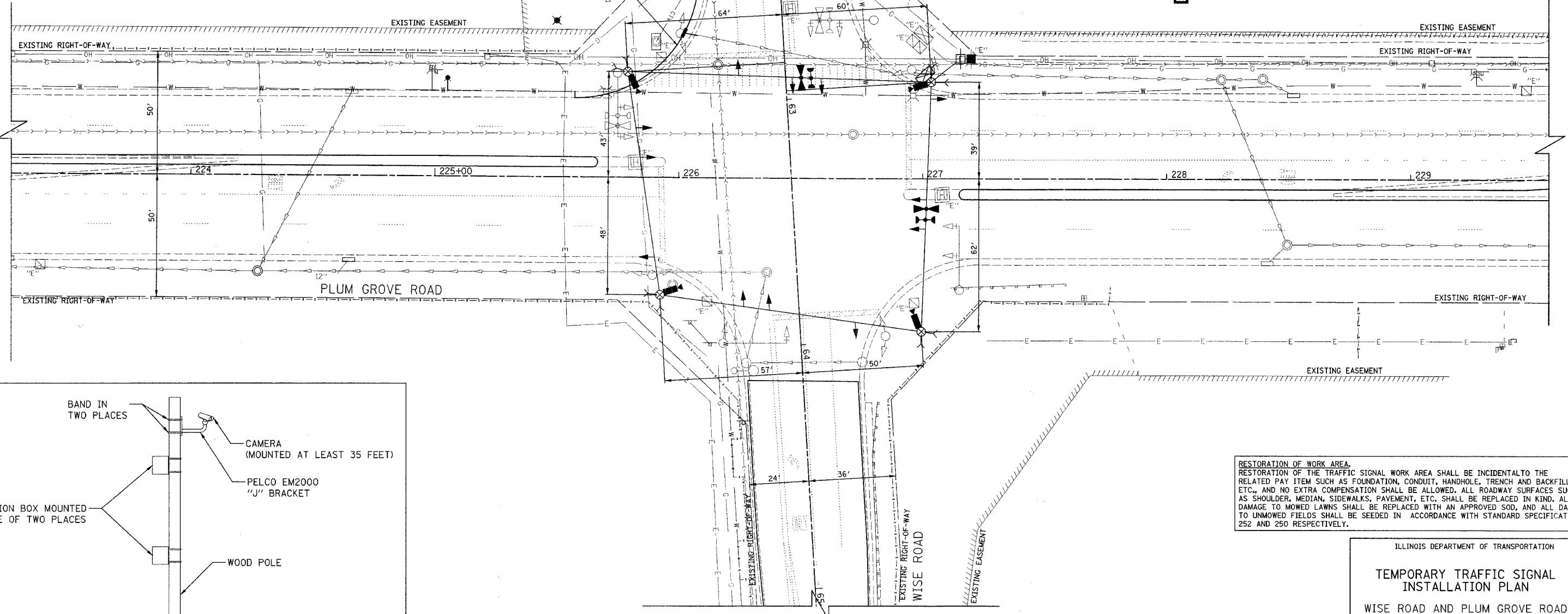
1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SCHAUMBURG. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH LIGHT DETECTOR AMPLIFIER
2 EACH LIGHT DETECTOR

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 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
4 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
7 EACH TRAFFIC SIGNAL BACKPLATE
4 EACH STEEL MAST ARM AND POLE
4 EACH SIGNAL POST
1 EACH SERVICE INSTALLATION



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 SHOULDER, 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN

WISE ROAD AND PLUM GROVE ROAD

SCALE IN FEET

DATE: 9/28/07
DESIGNED BY: JJE
CHECKED BY: JRJ

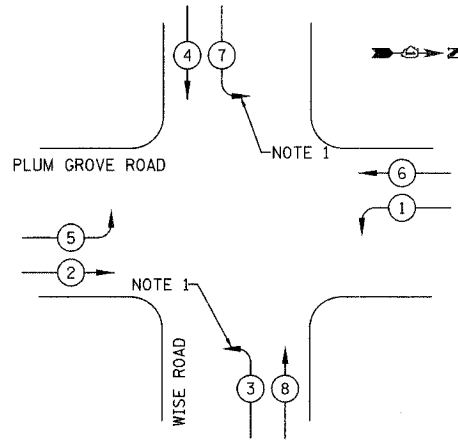
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FP	COOK	167	97
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT M-800315121	



TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300 mm)
- X TEMPORARY CONTROLLER CABINET
- T TEMPORARY SERVICE INSTALLATION
- ⑤ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PEDESTRIAN PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- P 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO VEHICLE DETECTOR

TEMPORARY CONTROLLER SEQUENCE

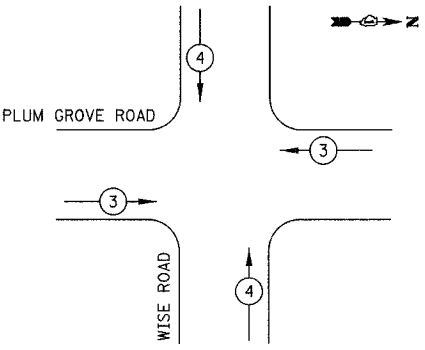


LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

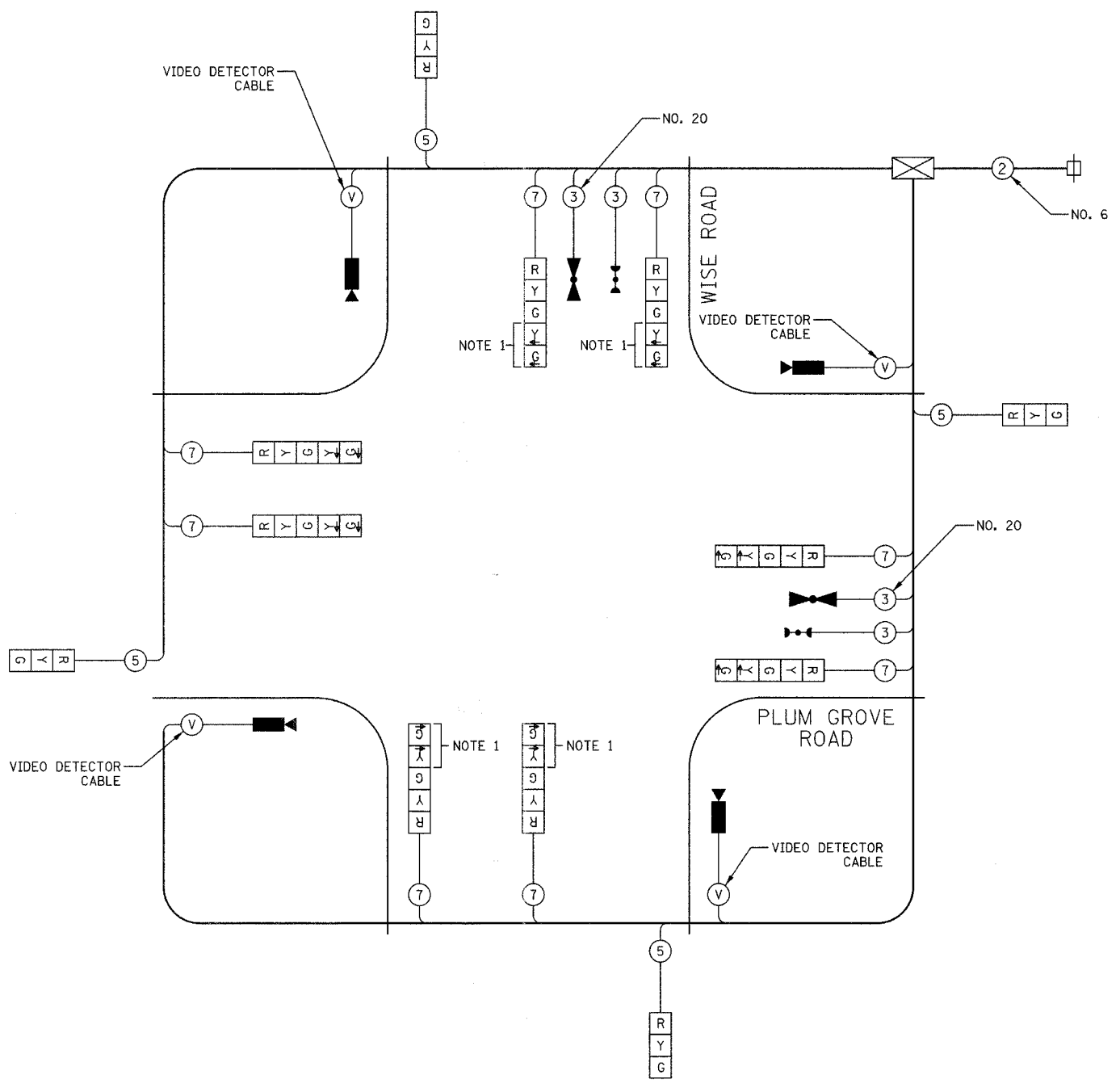
ESTIMATED BILL OF MATERIALS

PAY ITEM	UNIT	QUANTITY
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM	EACH	4
FULL-ACTUATED CONTROLLER AND TEMPORARY CABINET	EACH	1
SPAN WIRE	FOOT	491
TETHER WIRE	FOOT	466
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	288
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	796
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	1592
ELECTRIC CABLE AERIAL SUSPENDED, VIDEO DETECTOR CABLE	FOOT	646
ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C	FOOT	56
ELECTRIC CABLE AERIAL SUSPENDED NO. 20 3/C, TWISTED, SHIELDED	FOOT	288
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	4
SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	8
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	8		12	0.10	10
CONTROLLER	1		100	1.00	100
FLASHER					0.50
TOTAL =					332

ENERGY COSTS TO: COOK COUNTY HIGHWAY DEPARTMENT
69 WEST WASHINGTON STREET
CHICAGO, IL 60602

ENERGY SUPPLY: CONTACT: MICHAEL BELL
PHONE: (630) 691-4529
COMPANY: COM ED



TEMPORARY CABLE PLAN
NOT TO SCALE

NOTE 1: THE EASTBOUND AND WESTBOUND LEFT TURNS SHALL NOT BE OPERATIONAL UNTIL PROPOSED PAVEMENT IS FINISHED. TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED AND THE PHASES DISABLED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN

WISE ROAD AND PLUM GROVE ROAD

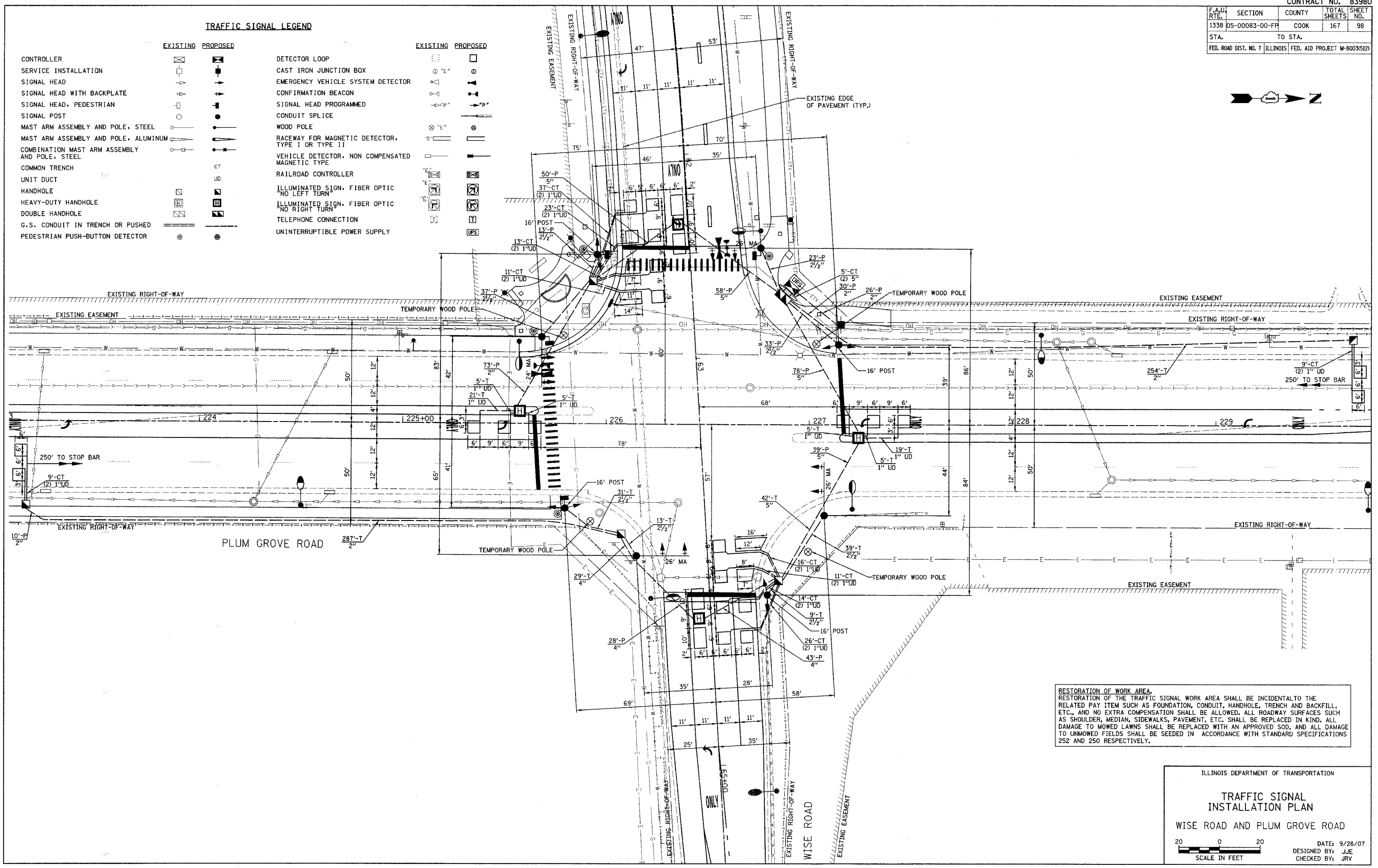
DATE: 9/28/07
DESIGNED BY: JJE
CHECKED BY: JRV

SCALE: NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FR	COOK	167	98
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

TRAFFIC SIGNAL LEGEND

EXISTING		PROPOSED		EXISTING		PROPOSED	
CONTROLLER			DETECTOR LOOP				
SERVICE INSTALLATION			CAST IRON JUNCTION BOX				
SIGNAL HEAD			EMERGENCY VEHICLE SYSTEM DETECTOR				
SIGNAL HEAD WITH BACKPLATE			CONFIRMATION BEACON				
SIGNAL HEAD, PEDESTRIAN			SIGNAL HEAD PROGRAMMED				
SIGNAL POST			CONDUIT SPLICE				
MAST ARM ASSEMBLY AND POLE, STEEL			WOOD POLE				
MAST ARM ASSEMBLY AND POLE, ALUMINUM			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II				
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE				
COMMON TRENCH			RAILROAD CONTROLLER				
UNIT DUCT			ILLUMINATED SIGN, FIBER OPTIC NO LEFT TURN				
HANDHOLE			ILLUMINATED SIGN, FIBER OPTIC NO RIGHT TURN				
HEAVY-DUTY HANDHOLE			TELEPHONE CONNECTION				
DOUBLE HANDHOLE			UNINTERRUPTIBLE POWER SUPPLY				
G.S. CONDUIT IN TRENCH OR PUSHED							
PEDESTRIAN PUSH-BUTTON DETECTOR							



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 SHOULDER, 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL
 INSTALLATION PLAN**

WISE ROAD AND PLUM GROVE ROAD

SCALE IN FEET

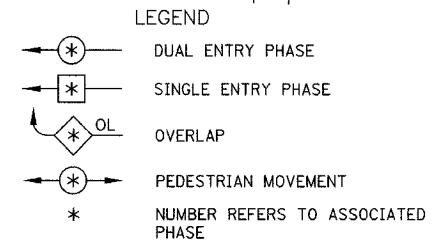
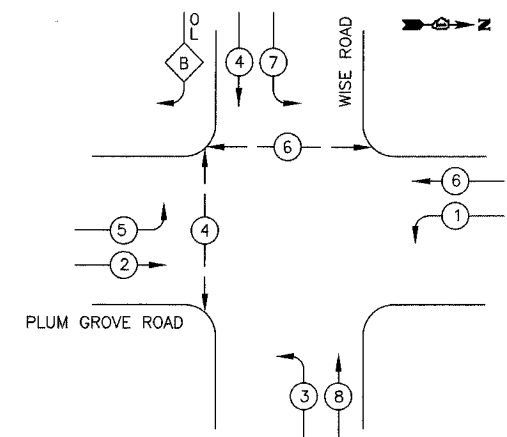
DATE: 9/28/07
 DESIGNED BY: JJE
 CHECKED BY: JRV

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	99
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-8003(512)		

CABLE PLAN LEGEND

- | | | |
|----------|----------|---|
| EXISTING | PROPOSED | |
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | MICROWAVE VEHICLE SENSOR |
| | | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN "NO LEFT TURN" |
| | | ILLUMINATED SIGN "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| | | UNINTERRUPTIBLE POWER SUPPLY |

PROPOSED CONTROLLER SEQUENCE

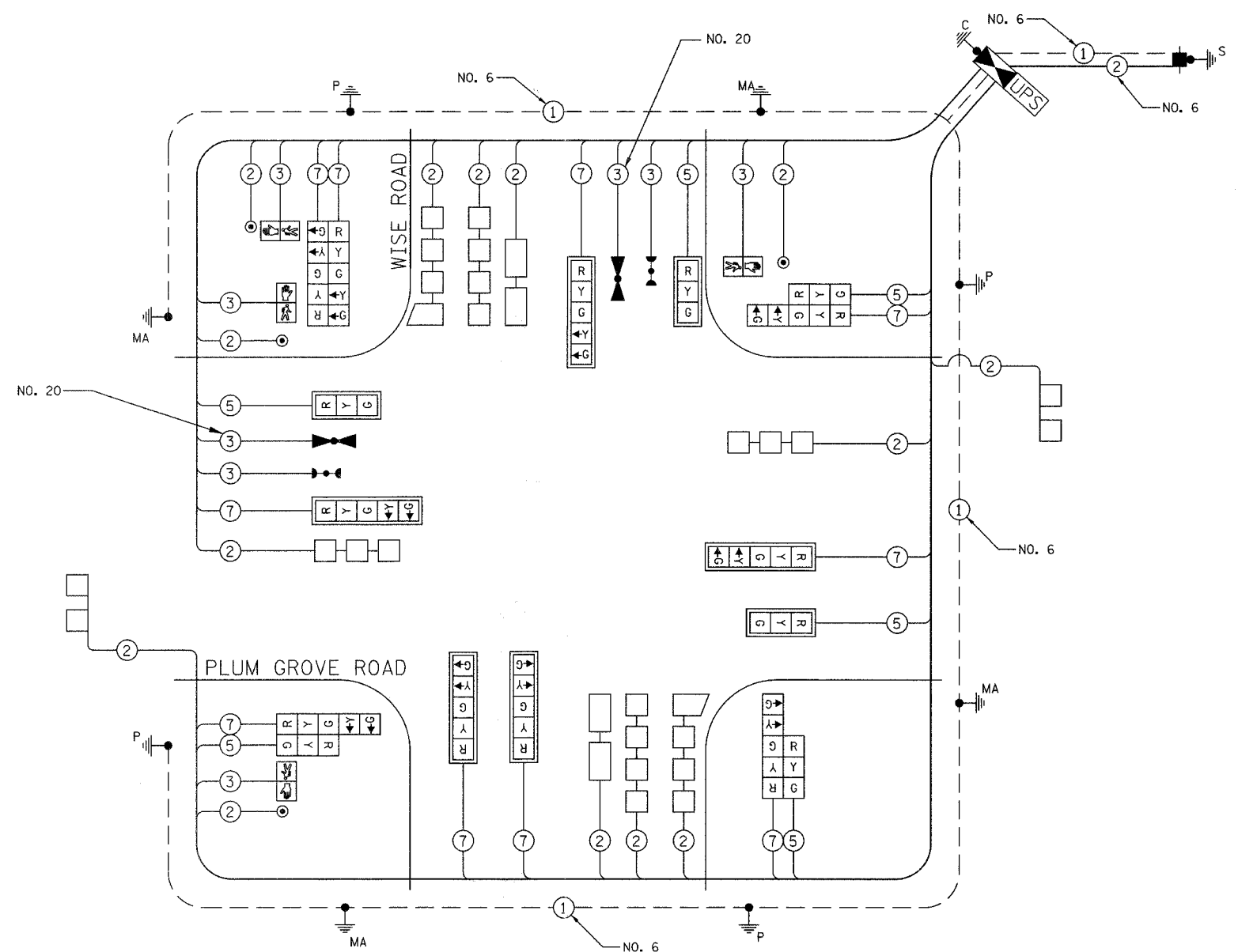
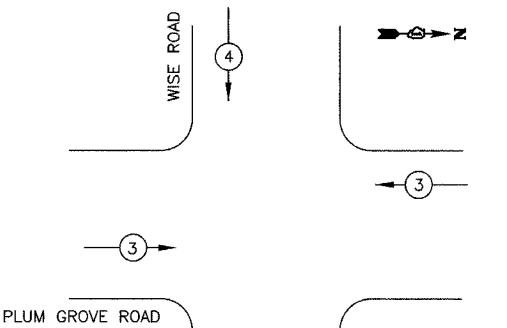


PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN NOT TO SCALE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	10		12	0.10	12
PED SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
				FLASHER	0.50
TOTAL =					508

ENERGY COSTS TO: COOK COUNTY HIGHWAY DEPARTMENT
69 WEST WASHINGTON STREET
CHICAGO, IL 60602

ENERGY SUPPLY: CONTACT: MICHAEL BELL
PHONE: (630) 691-4529
COMPANY: COM ED

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION
DIAGRAM & EMERGENCY VEHICLE
PREEMPTION SEQUENCE
WISE ROAD AND PLUM GROVE ROAD

DATE: 9/28/07
DESIGNED BY: JJE
CHECKED BY: JRV

SCALE: NOT TO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1338	05-00083-00-FF	COOK	167	100
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT M-800345123		

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	541
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	92
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	29
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	52
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	139
CONDUIT PUSHED, 2-1/2" DIA., GALVANIZED STEEL	FOOT	106
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	71
CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	225
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	709
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	759
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1139
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1184
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2337
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2261
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	59
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	933
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	697
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	356
SIGN PANEL - TYPE AZ REFLECTORIZED SHEETING	SQ FT	30

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

WISE ROAD AND PLUM GROVE ROAD

DATE: 9/28/07
 DESIGNED BY: JJE
 CHECKED BY: JRV

SCALE : NOT TO SCALE