

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518*	1
ILLINOIS CONTRACT NO. 60953				

D-91-199-00 \* 518 + 12 - 10 = 520



LOCATION OF SECTION INDICATED THIS: —

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN VILLAGE OF GURNEE  
 PROJECT LOCATED IN CITY OF WAUKEGAN  
 PROJECT LOCATED IN VILLAGE OF LIBERTYVILLE  
 PROJECT LOCATED IN LIBERTYVILLE TOWNSHIP

**DESIGN DESIGNATION**

MILWAUKEE AVENUE: (IL 21) ARTERIAL 6.03 (PCC-20)  
 BUCKLEY ROAD: (IL 137) ARTERIAL ; CASEY ROAD - MINOR ARTERIAL

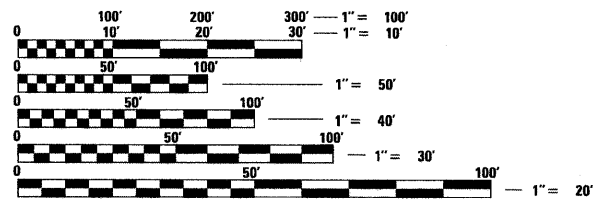
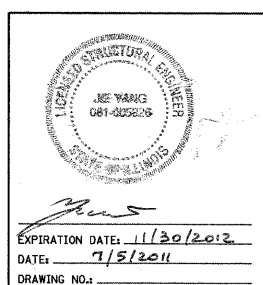
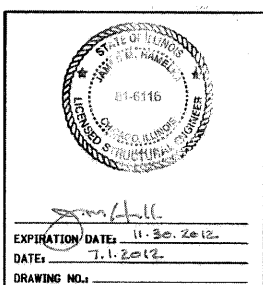
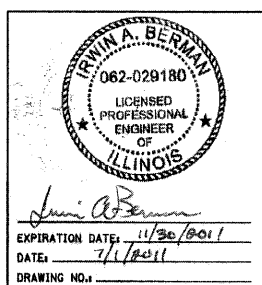
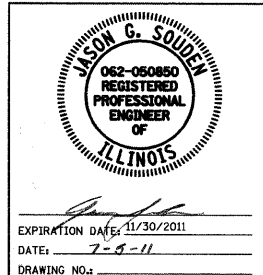
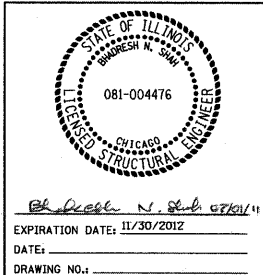
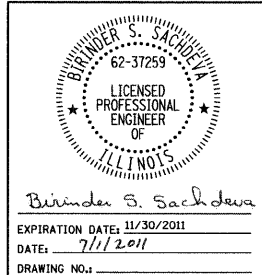
	ADT(2010)	DESIGN SPEED	POSTED SPEED
MILWAUKEE AVENUE	28,000	45 MPH	35-45MPH
BUCKLEY ROAD	32,000	45 MPH	35-45MPH
CASEY ROAD	2,950	45 MPH	35-45 MPH

**PROPOSED IMPROVEMENT**

RECONSTRUCTION OF ILLINOIS ROUTE 21 SOUTH OF ILLINOIS ROUTE 120 TO SOUTH OF ILLINOIS ROUTE 137 (BUCKLEY ROAD) INCLUDING STRUCTURE REPLACEMENT OF IL 21 OVER BULL CREEK, BOX CULVERTS REPLACED AT THE DESPLAINES RIVER TRIBUTARIES ( NO.1 SOUTH OF CASEY ROAD, AND NO.2 NORTH OF EGIDI ), AND A MULTI-USE TRAIL UNDERPASS CROSSING SOUTH OF CASEY, 8 RETAINING WALLS, DRAINAGE IMPROVEMENTS, TRAFFIC SIGNALS AND OTHER RELATED WORK.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 HIGHWAY PLANS**

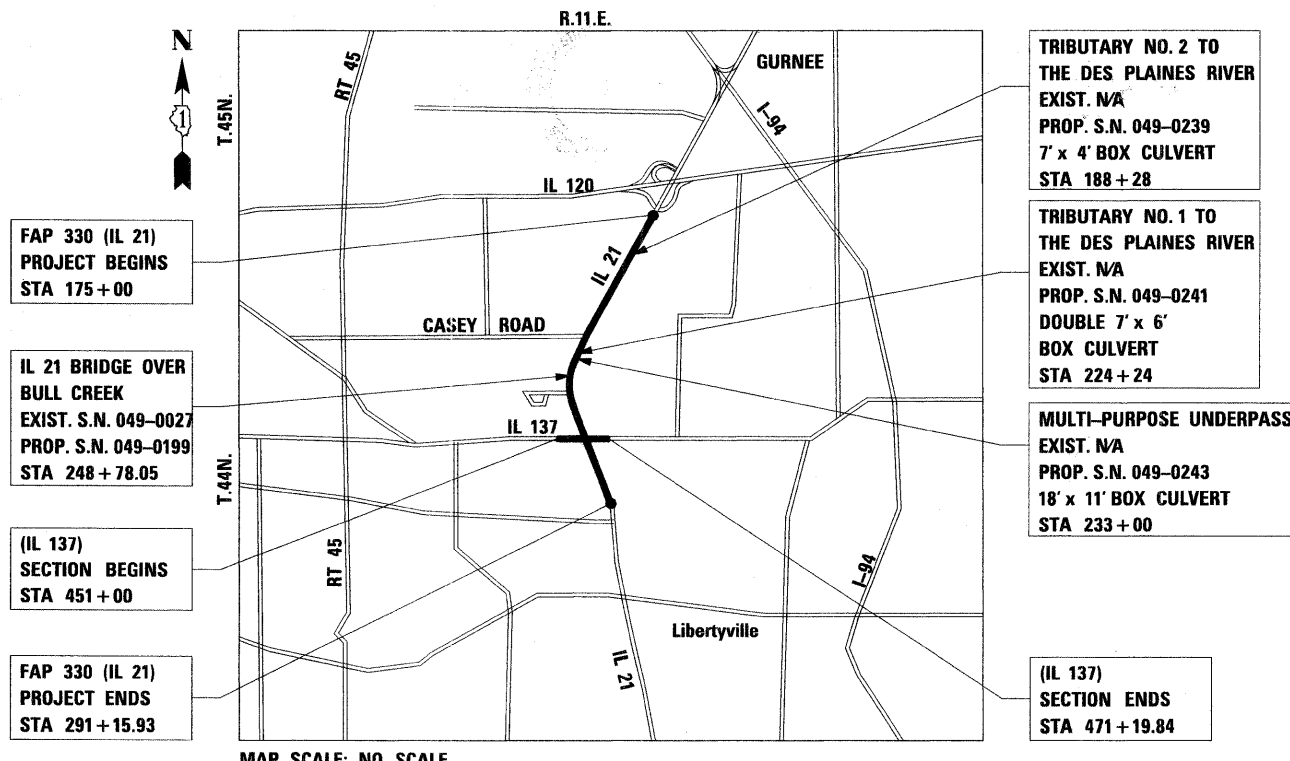
F.A.P. 330 (ILLINOIS ROUTE 21 - MILWAUKEE AVENUE)  
 SOUTH OF ILLINOIS ROUTE 120 TO SOUTH  
 OF ILLINOIS ROUTE 137 (BUCKLEY ROAD)  
 ROADWAY AND BRIDGE RECONSTRUCTION, ADD LANES AND  
 TRAFFIC SIGNAL MODERNIZATION AND INSTALLATION  
 SECTION 128R-3  
 LAKE COUNTY  
 C-91-199-00



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

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

PROJECT ENGINEER TIM SCHMIDT (847) 705-4482  
 PROJECT MANAGER SERIN KELLER (847) 705-4556  
 CONTRACT NO. 60953



MAP SCALE: NO SCALE

GROSS LENGTH OF PROJECT = 11,615.93 FEET = 2.200 MILES  
 NET LENGTH OF PROJECT = 11,615.93 FEET = 2.200 MILES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED July 6, 2011

Diane M. O'Keefe  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 19, 2011  
 Scott E. Stitt, P.E.  
 ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 2011  
 Christine M. Reed  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

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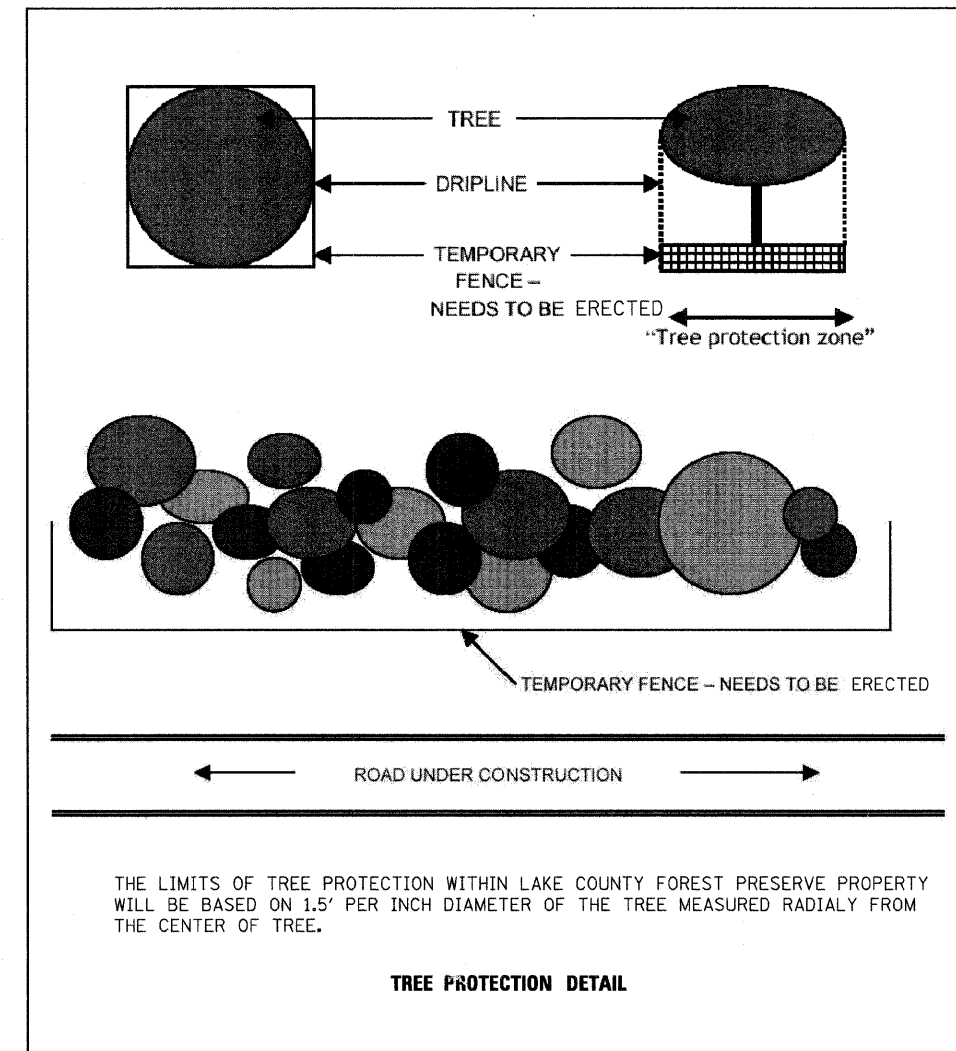
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	PLOT SCALE = 50,0000' / IN.	CHECKED - GFL	REVISED -					CONTRACT NO. 60953					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/17/2011	DATE - 12/17/10	REVISED -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.								

**LIST OF STATE STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
424001-05	CURB RAMPS FOR SIDEWALKS
442001-04	CLASS A PATCHES
483001-04	PCC SHOULDER
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-02	GRATING FOR CONCRETE FLARED END SECTION (FOR 24"(600 mm) THRU 54"(1300 mm) PIPE
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADALL FOR PIPE DRAIN
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-03	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602406-04	MANHOLE, TYPE A, 6'(1.8mm) DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE 8
604041-02	FRAME AND GRATE, TYPE 9
604051-03	FRAME AND GRATE, TYPE 11
604091-02	FRAME AND GRATE, TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201-02	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
609006-05	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-09	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-07	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-09	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
702001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-02	MAST ARM MOUNTED STREET NAME SIGNS
720021-02	SIGN PANELS, EXTRUDED ALUMINUM TYPE
728001-01	TELESCOPING STEEL SIGN SUPPORT

**LIST OF STATE STANDARDS (CONT.)**

729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-04	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-01	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
877006-03	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-01	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-08	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS



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PLOT SCALE = 60.000000' / IN.	DRAWN - BK	REVISION - 1 06/29/11 J.V.				CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	CHECKED - GFL	REVISION -								
	DATE - 12/17/10	REVISION -								
SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS AND DRIVEWAYS OPEN TO TRAFFIC AS SHOWN ON THE TRAFFIC CONTROL PLAN.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).
3. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIAN ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF SPECIFIED WORK.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGES OF LIBERTYVILLE, GURNEE AND WAUKEGAN AND LAKE COUNTY.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET A YARD OR FIELD OFFICE ON STATE RIGHT-OF-WAY OR PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. NOT USED.
7. NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
8. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."
9. ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES IN DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES IN DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE STORM SEWER.
10. WHEN CONSTRUCTING SIDEWALK RAMPS FOR THE HANDICAPPED (STATE STANDARD 424001), USE TYPE B RAMPS UNLESS OTHERWISE SPECIFIED.
11. USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.1 (B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS, AS SHOWN ON STATE STANDARDS 420001. THIS IS INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
12. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
13. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
14. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
15. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
16. STORM SEWER, WATER MAIN GRADE, IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 18 INCHES ABOVE THE STORM SEWER CROWN.
17. STORM SEWER, RUBBER GASKET, IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER.
18. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS) WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21. BOXED ITEMS INDICATE WORK NOT PAID FOR SEPARATELY, BUT INCLUDED AS PART OF ANOTHER PAY ITEM OR COST ASSOCIATED WITH THE CONTRACT.
22. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES, WHICH ARE NOT SPECIFICALLY INDICATED ON THE PLANS, SHALL BE PERFORMED AT LOCATIONS DIRECTED BY THE ENGINEER.

**GENERAL NOTES (CONTINUED)**

23. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION. ARMY CORPS 404 PERMIT AND NPDES STORMWATER PERMIT ARE REQUIRED FOR THIS PROJECT.
24. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
25. FRAMES AND GRATES ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
26. ALL RADII FOR PROPOSED CURB AND GUTTERS ARE MEASURED TO THE EDGE OF PAVEMENT AND SHALL BE SPECIFIED ON THE PLANS.
27. SIDEWALK REMOVAL AND PCC SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
28. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
29. THE ENGINEER SHALL CONTACT DEBBIE HANLON, AREA TRAFFIC FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
30. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
31. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
32. THE CONTRACTOR SHALL COORDINATE MAILBOX RELOCATION WITH POSTAL AUTHORITIES TO PROVIDE ACCESS THROUGHOUT CONSTRUCTION. REMOVAL OF MAIL BOXES; AND RE-ERECTING THEM AT A TEMPORARY AND/OR PERMANENT LOCATION SHALL BE DONE AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.
33. THE CONTRACTOR SHALL CONNECT OR RECONNECT ALL EXISTING UTILITY SERVICE CONNECTIONS TO THEIR RESPECTIVE EXISTING, PROPOSED, OR RELOCATED MAIN UTILITY LINES IF DISTURBED (DIRECTLY OR INDIRECTLY) BY THE CONSTRUCTION OF THE DRAINAGE SYSTEM. THE COST FOR THIS WORK IS TO BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR THE VARIOUS STORM SEWERS.
34. THE COST OF MAKING SEWER CONNECTIONS TO EXISTING OR PROPOSED DRAINAGE STRUCTURES OR SEWERS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICES OF THE VARIOUS STORM SEWERS.
35. THE COST OF THE FULL DEPTH SAW CUT REQUIRED TO REMOVE EXISTING PAVEMENT, CURB AND GUTTER, PARKING SURFACE, ISLAND, MEDIAN AND OTHER ITEMS SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
36. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
37. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATION OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
38. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
39. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
40. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
41. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
42. THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL.
43. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
44. VARIABLE SPACED SKEWED TINGING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

**GENERAL NOTES (CONTINUED)**

45. THE CONTRACTOR SHALL PREPARE IN-STREAM WORK PLANS (ALL COFFERDAMS, WORK PADS AND EROSION AND SEDIMENT CONTROL, ETC.) AND SUBMIT TO THE ENGINEER AND THE U.S. ARMY CORP OF ENGINEERS FOR REVIEW AND APPROVAL. THE CONTRACTOR SHOULD EXPECT TO HAVE TO ATTEND MEETINGS AT THE USACOE OFFICE TO DISCUSS THEIR WORK PLAN IN ORDER TO SECURE THEIR PERMIT. THE COST OF ALL IN-STREAM WORK ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
46. 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.
47. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. SEE DETAIL ON SHEET NUMBER 3.
48. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED. SEE DETAIL ON SHEET NUMBER 3.

**PROJECT COMMITMENTS:**

IN ORDER TO PROTECT THE SPAWNING STATE THREATENED IOWA DARTER, NO IN-STREAM WORK SHALL BE CONDUCTED FROM APRIL 20 THROUGH JUNE 15 OF ANY CALENDAR YEAR IN BULL CREEK SOUTH OF BROOKHILL ROAD OR IN TRIBUTARY #1 TO THE DES PLAINES RIVER SOUTH OF CASEY ROAD.

TREES ADJACENT TO THE LCFPD PROPERTY, INCLUDING THE ROW OF 11 SUGAR MAPLES IN FRONT OF LCFPD HEADQUARTERS, WILL BE PROTECTED. RETAINING WALLS AND TREE WELLS WILL BE PLACED SO THAT TREE ROOTS ARE PROTECTED OUT TO THE DRIP LINE, OR THE TREES WILL BE PRUNED TO COMPENSATE FOR ROOT LOSS.

AN 18' BY 11' CULVERT SOUTH OF CASEY ROAD WILL BE DETAILED IN THE DESIGN CONTRACT PLANS TO PROVIDE A FUTURE TRAIL CONNECTION BETWEEN THE DES PLAINES RIVER TRAIL AND THE OAK PRAIRIE PRESERVE TRAIL.

AT WETLANDS ALONG THE PROJECT CORRIDOR (A, B/ADID 106, F/1,2,3), FENCES WILL BE ERECTED TO PREVENT INADVERTENT AND UNINTENTIONAL INTRUSION BY CONSTRUCTION EQUIPMENT AND PERSONNEL INTO SENSITIVE AREAS. SIGNS WARNING OF SENSITIVE AREAS WILL BE ERECTED.

TEMPORARY FENCES WILL BE ERECTED ADJACENT TO LCFPD PROPERTY TO PREVENT INADVERTENT AND UNINTENTIONAL INTRUSION BY CONSTRUCTION EQUIPMENT AND PERSONNEL. SIGNS WARNING OF SENSITIVE AREAS WILL BE ERECTED.

THE CONTRACTOR SHOULD NOTE THAT A NUMBER OF STREETS ADJOINING THE ILLINOIS ROUTE 21 PROJECT LIMITS ARE OWNED AND MAINTAINED BY LIBERTYVILLE TOWNSHIP. ANY DAMAGE TO THESE ADJOINING TOWNSHIP STREETS, EITHER INSIDE OR OUTSIDE THE PROJECT LIMITS, CAUSED BY THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

FOR PARCEL NO. IDK0035 AND TE, THE ORGANIC SOIL SHALL BE STRIPPED AND STOCKPILED FOR REPLACEMENT AT THIS LOCATION WHEN THE WORK IS COMPLETE. THE COST FOR THIS WORK WILL BE INCLUDED IN THE PAY ITEM FOR TOPSOIL EXCAVATION AND PLACEMENT.

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -
\\102901\cadd\sheeta\sh\gennote.dgn		DRAWN - BK	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND PROJECT COMMITMENTS  
IL RTE 21 (MILWAUKEE AVE)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60953	



				CONSTRUCTION CODE							
				100% LAKE COUNTY							
				ROADWAY	SN-049-0199	BOX CULVERT	RETAINING WALL	TRAFFIC SIGNALS	LIGHTING URBAN	100% VILLAGE OF	100%
				0003	BRIDGE	0040	0040	0021	0021	LIBERTYVILLE	IDOT
				URBAN	0010	URBAN	URBAN	URBAN		0043	0043
CODE	ITEM	UNIT	TOTAL QUANTITY								
NO.											
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1635	1635							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	2240	2240							
20101000	TEMPORARY FENCE	FOOT	14170	14170							
* 20101200	TREE ROOT PRUNING	EACH	10	10							
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50	50							
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	50	50							
20200100	EARTH EXCAVATION	CU YD	53164	53164							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	7421	7421							
20400800	FURNISHED EXCAVATION	CU YD	54104	54104							
20800150	TRENCH BACKFILL	CU YD	13180	13180							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	24532	24532							
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	13724	13724							
* 25000100	SEEDING, CLASS 1	ACRE	0.07	0.07							
* 25000210	SEEDING, CLASS 2A	ACRE	11.07	11.07							
* 25000300	SEEDING, CLASS 3	ACRE	1.14	1.14							
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1729	1729							
* 25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	1729	1729							
* 25100105	MULCH, METHOD 1	ACRE	5	5							
* 25100115	MULCH, METHOD 2	ACRE	5	5							
* 25100125	MULCH, METHOD 3	ACRE	5	5							
* 25100135	MULCH, METHOD 4	ACRE	5	5							
* 25100830	EROSION CONTROL BLANKET	SQ YD	53597	53597							
* 25100900	TURF REINFORCEMENT MAT	SQ YD	508	508							
* 25200110	SODDING, SALT TOLERANT	SQ YD	6011	6011							
* 25200200	SUPPLEMENTAL WATERING	UNIT	100	100							
* 28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	550	550							
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2682	2682							
28000305	TEMPORARY DITCH CHECKS	FOOT	93	93							
28000400	PERIMETER EROSION BARRIER	FOOT	31147	31147							
28000500	INLET AND PIPE PROTECTION	EACH	215	215							
28000510	INLET FILTERS	EACH	218	218							
28001000	AGGREGATE (EROSION CONTROL)	TON	60	60							
28100101	STONE RIPRAP, CLASS A1	SQ YD	518	518							

\* SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\102701\cadd sheets\sh\sq001.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	5
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/12/2011		DATE - 12/17/10	REVISED -						CONTRACT NO. 60953				

				CONSTRUCTION CODE							
				100% LAKE COUNTY						100% VILLAGE OF LIBERTYVILLE	100% IDOT
				ROADWAY	SN-049-0199	BOX CULVERT	RETAINING WALL	TRAFFIC SIGNALS	LIGHTING URBAN		
				0003	BRIDGE	0040	0040	0021	0021		
				URBAN	0010	URBAN	URBAN	URBAN			
				URBAN	URBAN	URBAN	URBAN	URBAN			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY								
28100103	STONE RIPRAP, CLASS A2	SQ YD	22	22							
28100105	STONE RIPRAP, CLASS A3	SQ YD	518	518							
28100203	STONE RIPRAP, CLASS A2	TON	6	6							
28200200	FILTER FABRIC	SQ YD	540	540							
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD	112173	112173							
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1666	1666							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	4705	4705							
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5236	5236							
40600300	AGGREGATE (PRIME COAT)	TON	13	13							
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2500	2500							
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	200	200							
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1133	1133							
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	396	396							
42000416	PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)	SQ YD	89602	89602							
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	1402	1402							
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	312	312							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	100110	100110							
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	160	160							
42400800	DETECTABLE WARNINGS	SQ FT	16	16							
44000100	PAVEMENT REMOVAL	SQ YD	56761	56761							
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	2159	2159							
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	8621	8621							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	11806	11806							
44000600	SIDEWALK REMOVAL	SQ FT	5362	5362							
44004250	PAVED SHOULDER REMOVAL	SQ YD	3245	3245							
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	60	60							
48101100	AGGREGATE SHOULDERS, TYPE A 12"	SQ YD	50	50							
48300415	PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"	SQ YD	608	608							
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1			1					
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1			1					
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1			1					
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1			1					
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	1							
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1						
50102400	CONCRETE REMOVAL	CU YD	81		81						

• SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\102901\cadd sheets\shh-soq002.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	6
PLOT SCALE = 50.0000' / IN.		CHECKED - CFL	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60953				
PLOT DATE = 8/12/2011		DATE - 12/17/10	REVISED -		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT								

				CONSTRUCTION CODE								
				100% LAKE COUNTY							100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021			
50104400	CONCRETE HEADWALL REMOVAL	EACH	7	7								
50105220	PIPE CULVERT REMOVAL	FOOT	1528	1528								
50200100	STRUCTURE EXCAVATION	CU YD	3159		1572		1587					
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	7925			3325	4600					
50300100	FLOOR DRAINS	EACH	8		8							
50300225	CONCRETE STRUCTURES	CU YD	1254.6		532.4		722.2					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	617.5		467.3		150.2					
50300260	BRIDGE DECK GROOVING	SQ YD	529		529							
50300285	FORM LINER TEXTURED SURFACE	SQ FT	9154			926	8228					
50300300	PROTECTIVE COAT	SQ YD	1544		1272		272					
50500305	ERECTING STRUCTURAL STEEL	L SUM	1		1							
50500505	STUD SHEAR CONNECTORS	EACH	6997		3597		3400					
50800105	REINFORCEMENT BARS	POUND	70540			70540						
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	278010		157220	1930	118860					
50800515	BAR SPLICERS	EACH	841		713	128						
50901750	PARAPET RAILING	FOOT	638		130		508					
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	2535		2535							
51202305	DRIVING PILES	FOOT	2535		2535							
51203200	TEST PILE METAL SHELLS	EACH	2		2							
51204650	PILE SHOES	EACH	149		149							
51500100	NAME PLATES	EACH	3		1	2						
52000110	PREFORMED JOINT STRIP SEAL	FOOT	190		190							
52100210	ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	11		11							
52100520	ANCHOR BOLTS, 1"	EACH	22		22							
54003000	CONCRETE BOX CULVERTS	CU YD	386			386						
54010402	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	184			184						
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	99			99						
54010706	PRECAST CONCRETE BOX CULVERTS 7' X 6'	FOOT	222			222						
54010803	PRECAST CONCRETE BOX CULVERTS 8' X 3'	FOOT	116			116						
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	107			107						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	7	7								
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 19"	EACH	10	10								
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1								

\* SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -
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	PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/12/2011	DATE - 12/17/10	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	7
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

				CONSTRUCTION CODE							
				100% LAKE COUNTY							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021	100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	9	9							
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2							
54213691	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2							
5421A042	PIPE CULVERTS, CLASS A, TYPE 1 42" (TEMPORARY)	FOOT	32	32							
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	9	9							
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2	2							
54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	2	2							
542A1057	PIPE CULVERTS, CLASS A, TYPE 2 12"	FOOT	72	72							
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	366	366							
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	461	461							
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	123	123							
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	158	158							
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	672	672							
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	537	537							
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	174	174							
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	92	92							
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	162	162							
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	147	147							
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	105	105							
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	6695	6695							
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	2000	2000							
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	814	814							
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	1195	1195							
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	2754	2754							
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	592	592							
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	1366	1366							
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	128	128							
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	100	100							
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	100	100							
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	100	100							
55100500	STORM SEWER REMOVAL 12"	FOOT	3076	3076							
55100900	STORM SEWER REMOVAL 18"	FOOT	512	512							
55101200	STORM SEWER REMOVAL 24"	FOOT	1285	1285							
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	539	76						387	76

\* SPECIALITY ITEM

FILE NAME = s:\102901\cadd sheets\st-ssq004.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 8
	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60953		
	PLOT DATE = 8/12/2011	CHECKED - GFL	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT								
		DATE - 12/17/10	REVISED -										

				CONSTRUCTION CODE								
				100% LAKE COUNTY						100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021			
56103100	DUCTILE IRON WATER MAIN 8"	FOOT	1447	701							45	701
56103200	DUCTILE IRON WATER MAIN 10"	FOOT	706	353								353
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	424	212								212
56104900	WATER VALVES 6"	EACH	1								1	
56105000	WATER VALVES 8"	EACH	11	5							1	5
56105100	WATER VALVES 10"	EACH	2	1								1
56105200	WATER VALVES 12"	EACH	2	1								1
56200700	WATER SERVICE LINE 2"	FOOT	1110	500							110	500
56201800	CORPORATION STOPS 2"	EACH	26	12							2	12
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	8	3							2	3
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5	2							1	2
56500800	DOMESTIC WATER SERVICE BOXES	EACH	26	12							2	12
56700300	CONCRETE SEALER	SQ FT	2197		2197							
58100100	GEOCOMPOSITE WALL DRAIN	SQ YD	918		226		692					
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4								
60107600	PIPE UNDERDRAINS 4"	FOOT	2633	2633								
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	21	21								
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2								
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	89	89								
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	74	74								
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	11								
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3								
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3								
60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	7	7								
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	8	8								
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	81	81								
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16	7							2	7
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6								
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1								
60255500	MANHOLES TO BE ADJUSTED	EACH	19	19								
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	6	6								

▪ SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\102901\cadd sheets\sh-t-soq005.dgn		DRAWN - BK	REVISED -		330	128R-3	LAKE	518	9				
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60953				
PLOT DATE = 8/12/2011		DATE - 12/17/10	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



				CONSTRUCTION CODE								
				100% LAKE COUNTY								
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021	100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043
60260100	INLETS TO BE ADJUSTED	EACH	7		7							
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1		1							
60500040	REMOVING MANHOLES	EACH	14		14							
60500050	REMOVING CATCH BASINS	EACH	13		13							
60500060	REMOVING INLETS	EACH	21		21							
60600605	CONCRETE CURB, TYPE B	FOOT	2616		2616							
60602800	CONCRETE GUTTER, TYPE B	FOOT	410					410				
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	72		72							
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1935		1935							
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	24983		24983							
X6060052	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	12583		12583							
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	72		72							
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	27790		27790							
60622000	CONCRETE MEDIAN, TYPE SM-2.12	SQ FT	21072		21072							
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	1260		1260							
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 8 FOOT POSTS	FOOT	138		138							
* 63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	3571		3571							
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	13		13							
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4		4							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	16		16							
63200310	GUARDRAIL REMOVAL	FOOT	897		897							
67100100	MOBILIZATION	L SUM	1		1							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	400		400							
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	96		96							
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	363		363							
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	50820		50820							
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1270		1270							
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	119		119							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	50629		50629							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	7975		7975							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1375		1375							
* 72000100	SIGN PANEL - TYPE 1	SQ FT	764.5		711				53.5			
* 72000200	SIGN PANEL - TYPE 2	SQ FT	76.3						76.3			
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	270		270							

\* SPECIALITY ITEM

FILE NAME =  
 s:\102901\cadd sheets\sh-t-soq006.dgn  
 USER NAME = IDOT  
 PLOT SCALE = 50.0000' / IN.  
 PLOT DATE = 8/12/2011

DESIGNED - EJM  
 DRAWN - BK  
 CHECKED - GFL  
 DATE - 12/17/10  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	10
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

				CONSTRUCTION CODE								
				100% LAKE COUNTY								
				ROADWAY	SN-049-0199	BOX CULVERT	RETAINING WALL	TRAFFIC SIGNALS	LIGHTING URBAN	100%	100%	
				0003	BRIDGE	0040	0040	0021	0021	VILLAGE OF	DOT	
				URBAN	0010	URBAN	URBAN	URBAN	0021	LIBERTYVILLE	0043	
					URBAN				0021	0043	0043	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY									
* 72900100	METAL POST - TYPE A	FOOT	758	758								
* 72900200	METAL POST - TYPE B	FOOT	889	889								
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	20	20								
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9.2	9.2								
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1710	1710								
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	871	871								
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	19066	19066								
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	7764	7764								
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	2231	2231								
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	969	969								
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	539	539								
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	825	825								
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	10	10								
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	113	113								
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	400	400								
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	27	27								
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	11042	11042								
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2						2			
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1						1			
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2					2				
* 81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	100						100			
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	16448					16358	90			
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	271					271				
* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	87					87				
* 81000900	CONDUIT IN TRENCH, 3 1/2" DIA., GALVANIZED STEEL	FOOT	14					14				
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60					60				
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	2293					2293				
* 81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	154					154				
* 81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	790						790			
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	1389					1389				
* 81200100	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	220						220			
* 81400100	HANDHOLE	EACH	36					36				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	6					6				
* 81400300	DOUBLE HANDHOLE	EACH	4					4				

\* SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11\102901\cadd sheets\shh-soq007.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	11
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/12/2011		DATE - 12/17/10	REVISED -						CONTRACT NO. 60953				

				CONSTRUCTION CODE							
				100% LAKE COUNTY						100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021		
81603110	UNIT DUCT, 600V, 4-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3529						3529		
81700110	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	960						960		
81701115	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 1/C NO. 2	FOOT	255						255		
81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	4118						4118		
81800200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	19319					16790	2529		
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	45						45		
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1						1		
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1						1		
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	16						16		
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	112						112		
<del>83900505</del>	<del>BREAKAWAY DEVICE, COUPLING, WITH ALUMINUM SKIRT</del>	<del>EACH</del>	<del>16</del>						<del>16</del>		
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	16						16		
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	18						18		
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	12						12		
84200804	REMOVAL OF POLE FOUNDATION	EACH	9						9		
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1						1		
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1						1		
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1						1		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3					3			
X8570225	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	2					2			
86200120	UNINTERRUPTIBLE POWER SUPPLY	EACH	2					2			
87200400	SPAN WIRE	FOOT	3043					3043			
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	27837					27837			
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3692					3692			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	5949					5949			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5386					5386			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3133					3133			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	9785					9785			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	64					64			
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1					1			
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6					6			
87702940	STEEL COMBINATION MAST ARM AND ASSEMBLY AND POLE, 42 FT.	EACH	1					1			
87703050	STEEL COMBINATION MAST ARM AND ASSEMBLY AND POLE, 64 FT.	EACH	2					2			
87703070	STEEL COMBINATION MAST ARM AND ASSEMBLY AND POLE, 66 FT.	EACH	1					1			
87703090	STEEL COMBINATION MAST ARM AND ASSEMBLY AND POLE, 70 FT.	EACH	1					1			

\* SPECIALITY ITEM

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -
H:\102901\cadd sheets\sh-t-soq008.dgn		DRAWN - BK	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/12/2011	DATE - 12/17/10	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	12
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

				CONSTRUCTION CODE							
				100% LAKE COUNTY					100% VILLAGE OF LIBERTYVILLE	100% IDOT	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021	0043	0043
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28					28			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8					8			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13					13			
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	117					117			
87900200	DRILL EXISTING HANDHOLE	EACH	5					5			
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	14					14			
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1					1			
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2					2			
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5					5			
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	5					5			
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4					4			
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4					4			
88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2					2			
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	19					19			
88500100	INDUCTIVE LOOP DETECTOR	EACH	28					28			
88600100	DETECTOR LOOP, TYPE I	FOOT	66					66			
88600700	PREFORMED DETECTOR LOOP	FOOT	1766					1766			
88700200	LIGHT DETECTOR	EACH	6							6	
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2							2	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	20					20			
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2					2			
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8100						8100		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1					1			
89502380	REMOVE EXISTING HANDHOLE	EACH	17					17			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8					8			
X0327354	AGGREGATE SUBGRADE 12", SPECIAL	SQ YD	116970	116970							
Z0004638	PAVEMENT BREAKING	SQ YD	10000	10000							
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	1433	1433							
Z0007118	UNTREATED TIMBER LAGGING	SQ FT	5468				5468				
Z0007430	TEMPORARY SIDEWALK	SQ FT	3000	3000							
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	1120				1120				
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1678	1678							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							

\* SPECIALITY ITEM

FILE NAME = H:\102901\cadd sheets\sh-t-soq809.dgn  
 USER NAME = IDOT  
 PLOT SCALE = 50.0000' / IN.  
 PLOT DATE = 8/12/2011

DESIGNED - EJM	REVISED -
DRAWN - BK	REVISED -
CHECKED - GFL	REVISED -
DATE - 12/17/10	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 13
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

				CONSTRUCTION CODE							
				100% LAKE COUNTY							
URBAN				ROADWAY	SN-049-0199	BOX CULVERT	RETAINING WALL	TRAFFIC SIGNALS	LIGHTING URBAN	100%	100%
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 URBAN	BRIDGE 0010 URBAN	0040 URBAN	0040 URBAN	0021 URBAN	0021	VILLAGE OF LIBERTYVILLE 0043	IDOT 0043
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10							
Z0022800	FENCE REMOVAL	FOOT	2700	2700							
Z0026402	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	2905				2905				
Z0026407	TEMPORARY SHEET PILING	SQ FT	3775	432		1723	1620				
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	16	16							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1000	1000							
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	45						45		
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18						18		
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	28780	23706		1844	3230				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1553		362		1191				
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	100	100							
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	100	100							
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	100	100							
Z0056600	SANITARY SEWER 6"	FOOT	70							70	
Z0057100	SANITARY SEWER 12"	FOOT	466							466	
Z0062456	TEMPORARY PAVEMENT	SQ YD	5740	5740							
Z0064800	SELECTIVE CLEARING	UNIT	5	5							
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	15585		5640	2345	7800				
Z0073345	SLEEPER SLAB	FOOT	401	401							
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2					2			
X0301797	GATE REMOVAL	EACH	2	2							
* X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	4445				4445				
X0325751	DRIVING SOLDIER PILES	FOOT	1763				1763				
X0325786	GATES TO BE REMOVED AND RE-ERECTED	EACH	1	1							
X0326309	RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM (SPECIAL)	EACH	1					1			
<del>X0326309</del>	<del>RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM (SPECIAL)</del>	<del>EACH</del>	<del>1</del>					<del>1</del>			
X0326310	RELOCATE EXISTING SWITCH (SPECIAL)	EACH	1					1			
<del>X0326310</del>	<del>RELOCATE EXISTING SWITCH (SPECIAL)</del>	<del>EACH</del>	<del>1</del>					<del>1</del>			
X0326658	CURED-IN-PLACE PIPE LINER, 10"	FOOT	1289	512						265	512
X0326713	SANITARY SEWER CONNECTION	EACH	7							7	0
X0487800	SANITARY SEWER REMOVAL 12"	FOOT	486							486	0
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	749		304		445				
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	1477	375						727	375
* X2501800	SEEDING CLASS 4 (MODIFIED)	ACRE	4.89	4.89							

\* SPECIALITY ITEM

FILE NAME = u:\102901\cadd sheets\sh-t-soq010.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -
		DRAWN - BK	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/12/2011	DATE - 12/17/10	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 14
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



				CONSTRUCTION CODE								
				100% LAKE COUNTY								
			URBAN	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021	100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY									
* X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.56	0.56								
* X2510835	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	5490	5490								
* X2520701	SODDING, TYPE 1	SQ YD	782	782								
* X2520702	SODDING, TYPE 2	SQ YD	350	350								
* X2520703	SODDING, TYPE 3	SQ YD	1053	1053								
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	11	11								
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	33	33								
X4023000	TEMPORARY ACCESS (ROAD)	EACH	8	8								
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	554	554								
X4402800	ISLAND PAVEMENT REMOVAL	SQ YD	90	90								
X5539700	STORM SEWERS TO BE CLEANED	FOOT	600	600								
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	3993	1608						777	1608	
X5610708	WATER MAIN REMOVAL, 6"	FOOT	619	123						373	123	
X5610708	WATER MAIN REMOVAL, 8"	FOOT	1870	935							935	
X5610710	WATER MAIN REMOVAL, 10"	FOOT	27							27		
X5610712	WATER MAIN REMOVAL, 12"	FOOT	500	250							250	
X6020096	MANHOLES, TYPE A, 6"-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	3	3								
X6022820	MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	2						4	2	
X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH	2	2								
X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	3							3		
X6026622	VALVE VAULTS TO BE REMOVED	EACH	8	3						2	3	
X6700410	ENGINEER'S FIELD OFFICE, TYPE A(SPECIAL)	CAL MO	27	27								
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	1161.6	1161.6								
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	86695	86695								
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	6515	6515								
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	800	800								
* X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2	2								
* X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	27837					27837				
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3404							1702	1702	
* X8900030	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	1					1				
XX000610	RELOCATE EXISTING MAILBOX	EACH	18	18								
* XX001186	PLANTER REMOVAL	EACH	3	3								

\* SPECIALITY ITEM

FILE NAME = s:\182981\cadd sheets\sh-t-soq011.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 15
	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISIONS -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	<b>CONTRACT NO. 60953</b>		
	PLOT DATE = 8/12/2011	CHECKED - GFL	REVISIONS -										
		DATE - 12/17/10	REVISIONS -										



				CONSTRUCTION CODE								
				100% LAKE COUNTY								
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	SN-049-0199 BRIDGE 0010 URBAN	BOX CULVERT 0040 URBAN	RETAINING WALL 0040 URBAN	TRAFFIC SIGNALS 0021 URBAN	LIGHTING URBAN 0021	100% VILLAGE OF LIBERTYVILLE 0043	100% IDOT 0043	
* 87702596	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 40 FT.	EACH	1					1				
* Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1					1				
* X0327352	TRAFFIC SIGNAL WOOD POLE, 60 FT., CLASS 4	EACH	20					20				
* B7301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 IC	FOOT	1270					1270				
* X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4C	FOOT	314					314				
* Z0033050	COAXIAL CABLE IN CONDUIT	FOOT	314					314				
X0327353	STORMWATER TREATMENT SYSTEM LOCATION NO. 1	L SUM	1	1								
X0327354	STORMWATER TREATMENT SYSTEM LOCATION NO. 2	L SUM	1	1								

• SPECIALITY ITEM

FILE NAME = u:\182901\cadd sheets\shd-soq013.dgn	USER NAME = IDOT	DESIGNED - EJM	REvised -
	PLOT SCALE = 50.0000 ' / IN.	DRAWN - BK	REvised -
	PLOT DATE = 8/12/2011	CHECKED - GFL	REvised -
		DATE - 12/17/10	REvised -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 15B
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TREE REMOVAL

Table with columns: LOCATION, STATION, OFFSET, LT/RT, 20100110 TREE REMOVAL 6 TO 15 UNITS (UNITS), 20100210 TREE REMOVAL OVER 15 UNITS (UNITS)

TREE REMOVAL (CONT.)

Table with columns: LOCATION, STATION, OFFSET, LT/RT, 20100110 TREE REMOVAL 6 TO 15 UNITS (UNITS), 20100210 TREE REMOVAL OVER 15 UNITS (UNITS)

TREE REMOVAL (CONT.)

Table with columns: LOCATION, STATION, OFFSET, LT/RT, 20100110 TREE REMOVAL 6 TO 15 UNITS (UNITS), 20100210 TREE REMOVAL OVER 15 UNITS (UNITS)

Metadata table with columns: FILE NAME, USER NAME, DESIGNED, REVISED, DRAWN, CHECKED, DATE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES table with columns: SCALE, SHEET NO., OF SHEETS, STA., TO STA.

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

TREE REMOVAL (CONT.)

LOCATION	STATION	OFFSET	LT/RT	20100110	20100210
				TREE REMOVAL 6 TO 15 UNITS (UNITS)	TREE REMOVAL OVER 15 UNITS (UNITS)
IL ROUTE 21 (MILWAUKEE AVENUE)	254+42	44	RT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	254+61	44	RT	13	
IL ROUTE 21 (MILWAUKEE AVENUE)	254+75	44	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	254+88	45	RT		22
IL ROUTE 21 (MILWAUKEE AVENUE)	254+91	35	RT		16
IL ROUTE 21 (MILWAUKEE AVENUE)	255+03	37	RT	14	
IL ROUTE 21 (MILWAUKEE AVENUE)	255+04	43	RT		24
IL ROUTE 21 (MILWAUKEE AVENUE)	255+49	42	RT		42
IL ROUTE 21 (MILWAUKEE AVENUE)	256+43	46	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+48	51	RT		18
IL ROUTE 21 (MILWAUKEE AVENUE)	256+50	52	RT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+55	53	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+58	44	RT	6	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+71	66	RT	14	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+73	41	RT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+80	48	RT	6	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+91	58	RT	11	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+94	51	RT	13	
IL ROUTE 21 (MILWAUKEE AVENUE)	256+99	41	RT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+02	44	RT	14	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+13	59	RT	6	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+16	56	RT		20
IL ROUTE 21 (MILWAUKEE AVENUE)	257+16	47	RT		18
IL ROUTE 21 (MILWAUKEE AVENUE)	257+16	52	RT		18
IL ROUTE 21 (MILWAUKEE AVENUE)	257+31	34	RT		18
IL ROUTE 21 (MILWAUKEE AVENUE)	257+40	36	RT		16
IL ROUTE 21 (MILWAUKEE AVENUE)	257+56	49	RT		17
IL ROUTE 21 (MILWAUKEE AVENUE)	257+59	47	RT	9	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+59	46	RT	9	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+64	49	RT	14	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+66	45	RT	11	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+68	56	RT	7	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+68	50	RT	7	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+73	46	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+79	52	RT	12	
IL ROUTE 21 (MILWAUKEE AVENUE)	257+90	55	RT	6	
IL ROUTE 21 (MILWAUKEE AVENUE)	258+15	55	RT		20
IL ROUTE 21 (MILWAUKEE AVENUE)	258+54	47	RT	13	
IL ROUTE 21 (MILWAUKEE AVENUE)	259+24	47	RT	14	
IL ROUTE 21 (MILWAUKEE AVENUE)	259+31	25	RT		24
IL ROUTE 21 (MILWAUKEE AVENUE)	259+44	49	RT	12	
IL ROUTE 21 (MILWAUKEE AVENUE)	259+52	33	RT	6	
IL ROUTE 21 (MILWAUKEE AVENUE)	259+56	50	RT		20
IL ROUTE 21 (MILWAUKEE AVENUE)	259+87	33	RT		26
IL ROUTE 21 (MILWAUKEE AVENUE)	261+61	33	RT		40
IL ROUTE 21 (MILWAUKEE AVENUE)	261+86	51	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	262+27	39	RT	12	
IL ROUTE 21 (MILWAUKEE AVENUE)	262+51	31	RT	12	
IL ROUTE 21 (MILWAUKEE AVENUE)	262+76	32	RT		18
IL ROUTE 21 (MILWAUKEE AVENUE)	262+95	39	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	263+09	38	RT		28
IL ROUTE 21 (MILWAUKEE AVENUE)	263+21	37	RT		20
IL ROUTE 21 (MILWAUKEE AVENUE)	263+29	36	RT	10	
IL ROUTE 21 (MILWAUKEE AVENUE)	263+58	40	RT		32
IL ROUTE 21 (MILWAUKEE AVENUE)	263+93	37	RT	12	
IL ROUTE 21 (MILWAUKEE AVENUE)	264+11	43	RT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	264+51	40	RT		24
IL ROUTE 21 (MILWAUKEE AVENUE)	266+60	44	RT		30
IL ROUTE 21 (MILWAUKEE AVENUE)	266+77	46	RT		36
IL ROUTE 21 (MILWAUKEE AVENUE)	268+21	55	RT		25
IL ROUTE 21 (MILWAUKEE AVENUE)	275+54	50	LT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	275+65	73	LT	8	
IL ROUTE 21 (MILWAUKEE AVENUE)	280+64	50	LT		24
IL ROUTE 21 (MILWAUKEE AVENUE)	282+02	43	RT		41
TOTAL				1635	2240

PROPOSED PAVEMENT AND SHOULDER

LOCATION / ALIGNMENT	STATION		40603080	40603335	42000416	48101100	48300415	Z0001055
	FROM	TO	HMA BC IL 19.0 N50	HMA SC "D" N50	PCC PVT 9 3/4 JOINTED	AGGREGATE SHLDS A 12	PCC SHOULDERS 9 3/4	AGG SUBRADE 12 (SPECIAL)
			TON	TON	SQ YD	SQ YD	SQ YD	SQ YD
IL ROUTE 21 (MILWAUKEE AVENUE)	175+00	189+00			8395			10260
IL ROUTE 21 (MILWAUKEE AVENUE)	189+00	204+00			8753			11070
EGIDI LANE	528+00	529+03	133	33		6		
IL ROUTE 21 (MILWAUKEE AVENUE)	204+00	219+00			9277			13518
CASEY ROAD	515+54	518+43	922	230		27		
IL ROUTE 21 (MILWAUKEE AVENUE)	219+00	233+00			8210			10032
IL ROUTE 21 (MILWAUKEE AVENUE)	233+00	248+00			8824			11289
IL ROUTE 21 (MILWAUKEE AVENUE)	248+00	263+00			8361			10206
BROOKHILL ROAD	507+00	509+28	258	65		13		
IL ROUTE 21 (MILWAUKEE AVENUE)	263+00	277+00			17096			19191
JANAS COURT	498+50	499+17	77	19		4		
IL ROUTE 21 (MILWAUKEE AVENUE)	277+00	291+15.93			9657			12801
FINSTAD DRIVE	7+50	9+34	195	49				
IL ROUTE 137 (BUCKLEY ROAD)	451+00	457+75			5004		286	6528
IL ROUTE 137 (BUCKLEY ROAD)	462+50	471+19.84			6025		322	7278
PEDESTRIAN UNDERPASS TRAIL	7+40	9+50	26.1					
PEDESTRIAN UNDERPASS TRAIL	10+50	10+60	1.2					
PEDESTRIAN UNDERPASS CONNECTOR TRAIL	98+88.72	100+00	11.1					
DOG PARK	11+15	14+35	302.2					
TOTAL			1925.7	396	89602	50	608	112173
USE			1926	396	89602	50	608	116970*

\*TOTAL INCLUDES QUANTITY FROM DRIVEWAY SCHEDULE

PROPOSED CURB, COMB. CURB & GUTTER

LOCATION / ALIGNMENT	STATION		60600605	60603500	60603800	60605000	60605300	60608600
	FROM	TO	CONC CURB TB FOOT	COMB CC&G TB6.06 FOOT	COMB CC&G TB6.12 FOOT	COMB CC&G TB6.24 FOOT	COMB CC&G TB6.24 (SP) FOOT	COMB CC&G TM6.06 FOOT
IL ROUTE 21 (MILWAUKEE AVE)	175+00	189+00	--	--		2829	1991	--
IL ROUTE 21 (MILWAUKEE AVE)	189+00	204+00	142	--		3010	2197	--
IL ROUTE 21 (MILWAUKEE AVE)	204+00	219+00	14	--		3131	2576	28
IL ROUTE 21 (MILWAUKEE AVE)	219+00	233+00	149	--	40	2677	1885	--
IL ROUTE 21 (MILWAUKEE AVE)	233+00	248+00	288	--	0	2673	2257	--
IL ROUTE 21 (MILWAUKEE AVE)	248+00	263+00	272	--	219	2424	1657	--
IL ROUTE 21 (MILWAUKEE AVE)	263+00	277+00	432	72	92	2907	--	44
IL ROUTE 21 (MILWAUKEE AVE)	277+00	291+15.93	604	--	425	2425	--	--
IL ROUTE 137 (BUCKLEY ROAD)	451+00	457+75	715	--	0	1212	--	--
IL ROUTE 137 (BUCKLEY ROAD)	462+50	471+19.84	--	--	266	1695	--	--
DOG PARK PARKING LOT					893			
TOTAL			2616	72	1935	24983	12563	72

PROPOSED MEDIAN

LOCATION / ALIGNMENT	STATION		60620000	60622000	60623200
	FROM	TO	CONC MED T SB-6.24 (SQ FT)	CONC MED TSM2.12 (SQ FT)	CONC MED TSM6.24 (SQ FT)
IL ROUTE 21 (MILWAUKEE AVE)	175+00	189+00	2204		
IL ROUTE 21 (MILWAUKEE AVE)	189+00	204+00	2195		
IL ROUTE 21 (MILWAUKEE AVE)	204+00	219+00	1376		
IL ROUTE 21 (MILWAUKEE AVE)	219+00	233+00	3102		
IL ROUTE 21 (MILWAUKEE AVE)	233+00	248+00	2080		
IL ROUTE 21 (MILWAUKEE AVE)	248+00	263+00	3889		
IL ROUTE 21 (MILWAUKEE AVE)	263+00	277+00	9243		1260
IL ROUTE 21 (MILWAUKEE AVE)	277+00	291+15.93	1405	13472	
IL ROUTE 137 (BUCKLEY ROAD)	451+00	457+75	1048	2960	
IL ROUTE 137 (BUCKLEY ROAD)	462+50	471+19.84	1248	4640	
TOTAL			27790	21072	1260

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>				F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\102901\CADD Sheets\shst-schedule001.dgn		DRAWN - BK	REVISED -		330	128R-3	LAKE	518	17				
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -		CONTRACT NO. 60953								
PLOT DATE = 8/11/2011		DATE - 12/17/10	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT



IL 21 EARTHWORK							
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*	TOPSOIL EXCAVATION AND PLACEMENT
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
PRE-STAGE							
221+00.00	233+00.00	0	0	424	-424	91	0
233+00.00	248+00.00	0	0	0	0	0	0
248+00.00	263+00.00	0	0	0	0	0	0
263+00.00	277+00.00	239	203	19	184	316	0
277+00.00	279+00.00	23	20	14	6	30	0
SUB-TOTAL=		263	223	456	-233	437	0
STAGE 1							
175+00.00	189+00.00	842	716	3,323	-2,607	0	288
189+00.00	204+00.00	1,124	955	3,884	-2,928	0	450
204+00.00	219+00.00	823	699	8,457	-7,757	1,278	1,029
219+00.00	233+00.00	1,361	1,157	9,311	-8,154	1,720	428
233+00.00	248+00.00	601	511	7,587	-7,076	1,769	830
248+00.00	263+00.00	1,954	1,661	1,931	-270	1,067	412
263+00.00	277+00.00	7,508	6,381	112	6,269	751	195
277+00.00	291+15.93	5,547	4,715	127	4,588	724	151
SUB-TOTAL=		19,760	16,796	34,731	-17,936	7,309	3,783
STAGE 2							
175+00.00	189+00.00	675	574	6,624	-6,050	0	265
189+00.00	204+00.00	739	628	4,253	-3,625	0	302
204+00.00	219+00.00	3	3	11,275	-11,272	0	3,451
219+00.00	233+00.00	198	168	12,120	-11,952	-118	1,254
233+00.00	248+00.00	985	837	7,550	-6,713	-420	828
248+00.00	263+00.00	2,805	2,384	1,122	1,263	-327	374
263+00.00	277+00.00	6,113	5,196	1,623	3,573	-717	524
277+00.00	291+15.93	5,471	4,650	579	4,071	-416	119
SUB-TOTAL=		16,990	14,441	45,145	-30,704	-1,998	7,117
IL 21 TOTAL=		37,012	31,460	80,333	-48,873	5,748	10,900

IL 137 EARTHWORK							
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*	TOPSOIL EXCAVATION AND PLACEMENT
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
PRE-STAGE							
451+00.00	458+00.00	1,072	911	26	886	139	0
458+00.00	462+00.00	1,395	1,186	6	1,180	79	0
462+00.00	471+19.84	1,801	1,531	47	1,485	196	0
SUB-TOTAL=		4,269	3,628	78	3,551	414	0
STAGE 1							
451+00.00	458+00.00	1,812	1,540	78	1,462	0	64
458+00.00	462+00.00	807	686	2	685	15	29
462+00.00	471+19.84	1,948	1,656	522	1,134	574	229
SUB-TOTAL=		4,567	3,882	602	3,280	589	322
STAGE 2							
451+00.00	458+00.00	1,460	1,241	70	1,171	0	49
458+00.00	462+00.00	667	567	77	490	0	0
462+00.00	471+19.84	1,592	1,354	2,389	-1,036	-1,037	2,453
SUB-TOTAL=		3,719	3,161	2,536	625	-1,037	2,502
IL 137 TOTAL=		12,555	10,671	3,216	7,455	-34	2,824

\*8" EXISTING TOPSOIL REMOVAL

EGIDI LANE EARTHWORK						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1						
528+00.00	529+15.75	74	63	53	10	64
EGIDI LANE TOTAL=		74	63	53	10	64

\*8" EXISTING TOPSOIL REMOVAL

CASEY ROAD EARTHWORK						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
PRE-STAGE						
514+00.00	518+50.00	68	58	74	-16	127
SUB-TOTAL=		68	58	74	-16	127
STAGE 1						
514+00.00	518+50.00	451	384	71	313	228
SUB-TOTAL=		451	384	71	313	228
STAGE 2						
514+00.00	518+50.00	591	503	2	501	5
SUB-TOTAL=		591	503	2	501	5
CASEY ROAD TOTAL=		1,111	944	146	798	361

\*8" EXISTING TOPSOIL REMOVAL

BROOKHILL ROAD EARTHWORK						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
PRE-STAGE						
507+00.00	509+50.00	15	13	35	-22	40
SUB-TOTAL=		15	13	35	-22	40
STAGE 1						
507+00.00	509+50.00	68	58	308	-250	119
SUB-TOTAL=		68	58	308	-250	119
STAGE 2						
507+00.00	509+50.00	74	63	250	-187	92
SUB-TOTAL=		74	63	250	-187	92
BROOKHILL ROAD TOTAL=		157	133	593	-459	251

\*8" EXISTING TOPSOIL REMOVAL

JANAS COURT EARTHWORK						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1						
77+00.00	79+00.00	145	123	19	105	47
JANAS COURT TOTAL=		145	123	19	105	47

\*8" EXISTING TOPSOIL REMOVAL

FINSTAD DRIVE EARTHWORK						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
PRE-STAGE						
7+50.00	9+00.00	21	18	0	17	24
SUB-TOTAL=		21	18	0	17	24
STAGE 1						
7+50.00	9+50.00	258	219	38	181	47
SUB-TOTAL=		258	219	38	181	47
STAGE 2						
7+50.00	9+50.00	264	225	28	196	46
SUB-TOTAL=		264	225	28	196	46
FINSTAD DRIVE TOTAL=		543	462	67	395	117

\*8" EXISTING TOPSOIL REMOVAL

PEDESTRIAN UNDERPASS TRAIL						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1						
7+30.00	9+50.00	1,039	883	137	746	476
PED. UNDERPASS TOTAL=		1,039	883	137	746	476

\*8" EXISTING TOPSOIL REMOVAL

PEDESTRIAN UNDERPASS CONNECTOR TRAIL						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1						
98+88.12	100+00.00	3	2	431	-429	152
PED. CONNECTOR TOTAL=		3	2	431	-429	152

\*8" EXISTING TOPSOIL REMOVAL

DOG PARK PARKING LOT						
LOCATION		EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*
STATION	TO STATION	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1						
10+50.00	14+30.00	383	325	14,224	-13,899	335
DOG PARK TOTAL=		383	325	14,224	-13,899	335

\*8" EXISTING TOPSOIL REMOVAL

EARTHWORK TOTAL						
LOCATION	EARTH EXC (CUT)	EARTH EXC ADJ SHRINK 15% EARTH	EMBANK (FILL)	EARTHWORK BALANCE WASTE (+) SHORTHAGE (-)	REM AND DISP OF UNSUIT MATERIAL*	TOPSOIL EXCAVATION AND PLACEMENT
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
IL 21	37,012	31,460	80,333	-48,873	5,748	10,900
EGIDI LANE	74	63	53	10	64	
CASEY ROAD	1,111	944	146	798	361	
BROOKHILL ROAD	157	133	593	-459	251	
JANAS COURT	146	124	19	105	47	
IL 137	12,555	10,671	3,216	7,455	-34	2,824
FINSTAD COURT	543	462	67	395	117	
PED. UNDERPASS TRAIL	1,039	883	137	746	476	
PED. UNDERPASS CONNECTOR	3	2	431	-429	152	
DOG PARK PARKING LOT	383	325	14,224	-13,899	335	
TOTAL	53,021	45,068	99,219	-54,151	7,516	13,724

\*8" EXISTING TOPSOIL REMOVAL

FILE NAME = I:\102901\CADD Sheets\sh-schedule001.dgn	USER NAME = I00T	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 18
PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISOR -	CONTRACT NO. 60953							
PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							
	DATE - 12/17/10	REVISED -	SCALE: 1" = 40'			SHEET NO. OF SHEETS	STA. TO STA.			

PROPOSED DRIVEWAY

LOCATION	STATION	LT/RT	35501316	40603310	42300400	Z0001055	
			HMA BASE CSE 8	HMA SC "C" N50	PCC DRIVEWAY PAVT 8	AGG SUBGRD 12 SPECIAL	
			SQ YD	TON	SQ YD	SQ YD	
IL ROUTE 21 (MILWAUKEE AVE)	192+41.75	RT	82	9		82	
IL ROUTE 21 (MILWAUKEE AVE)	195+82.00	RT	40	5		40	
IL ROUTE 21 (MILWAUKEE AVE)	225+79.28	RT	125	14		125	
IL ROUTE 21 (MILWAUKEE AVE)	232+19.69	LT	196	23		196	
IL ROUTE 21 (MILWAUKEE AVE)	232+19.69	RT	294	34		294	
IL ROUTE 21 (MILWAUKEE AVE)	236+69.47	RT	73	8		73	
IL ROUTE 21 (MILWAUKEE AVE)	238+84.36	LT	74	9		74	
IL ROUTE 21 (MILWAUKEE AVE)	243+80.80	RT	139	16		139	
IL ROUTE 21 (MILWAUKEE AVE)	244+79.00	RT	128	15		128	
IL ROUTE 21 (MILWAUKEE AVE)	250+02.13	LT	103	12		103	
IL ROUTE 21 (MILWAUKEE AVE)	256+65.00	RT	39	4		39	
IL ROUTE 21 (MILWAUKEE AVE)	258+25.53	RT	86	10		86	
IL ROUTE 21 (MILWAUKEE AVE)	259+74.09	RT	69	8		69	
IL ROUTE 21 (MILWAUKEE AVE)	265+60.00	LT	131	15		131	
IL ROUTE 21 (MILWAUKEE AVE)	269+52.04	RT	124	14		124	
IL ROUTE 21 (MILWAUKEE AVE)	270+58.38	RT	85	10		85	
IL ROUTE 21 (MILWAUKEE AVE)	275+28.81	RT	284	33		284	
IL ROUTE 21 (MILWAUKEE AVE)	275+41.46	LT	83	10		83	
IL ROUTE 21 (MILWAUKEE AVE)	277+89.59	LT			115	115	
FRONTAGE ROAD	278+98.45	RT	425	49		425	
IL ROUTE 21 (MILWAUKEE AVE)	279+65.95	LT	166	19		166	
IL ROUTE 21 (MILWAUKEE AVE)	280+48.37	RT	104	12		104	
IL ROUTE 21 (MILWAUKEE AVE)	283+87.79	RT	121	14		121	
IL ROUTE 21 (MILWAUKEE AVE)	284+14.57	LT	87	10		87	
IL ROUTE 21 (MILWAUKEE AVE)	284+75.54	RT	78	9		78	
BROOKHILL ROAD	507+45.70	RT	60	7		60	
BROOKHILL ROAD	507+60.38	LT	123	14		123	
JANAS COURT	499+05.61	RT	86	10		86	
IL ROUTE 137 (BUCKLEY ROAD)	451+46.12	LT	49	6		49	
IL ROUTE 137 (BUCKLEY ROAD)	451+69.55	RT	35	4		35	
IL ROUTE 137 (BUCKLEY ROAD)		LT		0		0	
IL ROUTE 137 (BUCKLEY ROAD)	453+56.00	LT	107	12		107	
IL ROUTE 137 (BUCKLEY ROAD)	454+03.71	RT			66	66	
IL ROUTE 137 (BUCKLEY ROAD)	454+35.72	LT	32	4		32	
IL ROUTE 137 (BUCKLEY ROAD)	456+18.87	LT			53	53	
IL ROUTE 137 (BUCKLEY ROAD)	456+78.50	RT	68	8		68	
IL ROUTE 137 (BUCKLEY ROAD)	456+79.50	LT			77	77	
IL ROUTE 137 (BUCKLEY ROAD)	457+42.00	RT	150	17		150	
IL ROUTE 137 (BUCKLEY ROAD)	462+27.67	RT	172	20		172	
IL ROUTE 137 (BUCKLEY ROAD)	464+55.24	RT	297	34		297	
IL ROUTE 137 (BUCKLEY ROAD)	467+39.85	RT	109	13		109	
FINSTAD DRIVE	9+00.00	RT	64	7		64	
			<b>TOTAL</b>	<b>4486</b>	<b>516</b>	<b>312</b>	<b>4797</b>
			<b>USE</b>	<b>4486</b>	<b>516</b>	<b>312</b>	<b>4797*</b>

\*NOT TOTAL

PAVEMENT REMOVAL

LOCATION / ALIGNMENT	STATION		44000100
	FROM	TO	PAVEMENT REMOVAL SQ YD
IL ROUTE 21 \ROLLING WOODS	175+00.00	189+00.00	5182
IL ROUTE 21 \ EGIDI LANE	189+00.00	204+00.00	5086
IL ROUTE 21 \ CASEY ROAD	204+00.00	219+00.00	6710
IL ROUTE 21	219+00.00	233+00.00	4293
IL ROUTE 21 \ BROOKHILL	233+00.00	248+00.00	5442
IL ROUTE 21 \ JANAS COURT	248+00.00	263+00.00	4871
IL ROUTE 21	263+00.00	277+00.00	11949
IL ROUTE 21 \ ADLER \ FINSTAD	277+00.00	291+15.93	9301
IL ROUTE 137	451+00.00	457+75.00	5441
IL ROUTE 137	462+50.00	471+19.84	5486
		<b>TOTAL</b>	<b>63761</b>

DRIVEWAY REMOVAL

LOCATION / ALIGNMENT	STATION	LT/RT	44000200
			DRIVEWAY PVT REM SQ YD
IL ROUTE 21 (MILWAUKEE AVE)	192+42	RT	164
IL ROUTE 21 (MILWAUKEE AVE)	225+79	RT	29
IL ROUTE 21 (MILWAUKEE AVE)	232+19	RT	297
IL ROUTE 21 (MILWAUKEE AVE)	232+19	LT	226
IL ROUTE 21 (MILWAUKEE AVE)	236+69	RT	84
IL ROUTE 21 (MILWAUKEE AVE)	238+84	LT	29
IL ROUTE 21 (MILWAUKEE AVE)	242+26	LT	89
IL ROUTE 21 (MILWAUKEE AVE)	243+81	RT	168
IL ROUTE 21 (MILWAUKEE AVE)	244+79	RT	145
IL ROUTE 21 (MILWAUKEE AVE)	250+02	LT	199
IL ROUTE 21 (MILWAUKEE AVE)	255+26	LT	142
IL ROUTE 21 (MILWAUKEE AVE)	258+25	RT	114
IL ROUTE 21 (MILWAUKEE AVE)	259+74	RT	97
IL ROUTE 21 (MILWAUKEE AVE)	265+79	LT	262
IL ROUTE 21 (MILWAUKEE AVE)	269+52	RT	206
IL ROUTE 21 (MILWAUKEE AVE)	270+49	RT	257
IL ROUTE 21 (MILWAUKEE AVE) & IL ROUTE 137 (BUCKLEY ROAD) SE QUADRANT			900
IL ROUTE 21 (MILWAUKEE AVE)	275+29	RT	275
IL ROUTE 21 (MILWAUKEE AVE)	277+92	LT	270
IL ROUTE 21 (MILWAUKEE AVE)	279+00	RT	359
IL ROUTE 21 (MILWAUKEE AVE)	279+66	LT	259
IL ROUTE 21 (MILWAUKEE AVE)	279+63	RT	104
IL ROUTE 21 (MILWAUKEE AVE)	280+48	RT	150
IL ROUTE 21 (MILWAUKEE AVE)	283+88	RT	514
IL ROUTE 21 (MILWAUKEE AVE)	284+15	LT	88
IL ROUTE 21 (MILWAUKEE AVE)	284+71	RT	158
CASEY ROAD	514+85	RT	245
BROOKHILL ROAD	507+45	RT	43
BROOKHILL ROAD	507+58	LT	57
BROOKHILL ROAD	508+06	LT	36
JANAS COURT	499+05	RT	96
IL ROUTE 137 (BUCKLEY ROAD)	451+50	LT	35
IL ROUTE 137 (BUCKLEY ROAD), STATION 451+50 TO 457+12	451+70	RT	642
IL ROUTE 137 (BUCKLEY ROAD)	452+24	LT	35
IL ROUTE 137 (BUCKLEY ROAD)	453+56	LT	90
IL ROUTE 137 (BUCKLEY ROAD)	454+37	LT	31
IL ROUTE 137 (BUCKLEY ROAD)	456+19	LT	90
IL ROUTE 137 (BUCKLEY ROAD)	456+79	LT	97
IL ROUTE 137 (BUCKLEY ROAD)	457+42	RT	101
IL ROUTE 137 (BUCKLEY ROAD)	458+10	RT	153
IL ROUTE 137 (BUCKLEY ROAD)	464+56	RT	367
IL ROUTE 137 (BUCKLEY ROAD)	467+40	RT	186
FINSTAD DRIVE	9+00	RT	68
		<b>TOTAL</b>	<b>7955</b>

SHOULDER REMOVAL

LOCATION / ALIGNMENT	STATION		SIDE LT / RT	44004250	44004250
	FROM	TO		PAVED SHOULDER REM SQ FT	PAVED SHOULDER REM SQ YD
IL ROUTE 21 (MILWAUKEE AVE)	175+45.00	176+50.00	LT	552	61
IL ROUTE 21 (MILWAUKEE AVE)	184+00.00	189+00.00	LT	2726	303
IL ROUTE 21 (MILWAUKEE AVE)	185+31.00	189+00.00	RT	1874	208
IL ROUTE 21 (MILWAUKEE AVE)	189+00.00	198+50.00	LT	5089	565
IL ROUTE 21 (MILWAUKEE AVE)	189+00.00	192+23.00	RT	1591	177
IL ROUTE 21 (MILWAUKEE AVE)	192+65.00	194+88.00	RT	1178	131
IL ROUTE 21 (MILWAUKEE AVE)	195+67.00	198+50.00	RT	1607	179
IL ROUTE 21 (MILWAUKEE AVE)	227+75.00	230+00.00	RT	1273	141
IL ROUTE 21 (MILWAUKEE AVE)	236+50.00	236+68.00	RT	123	14
IL ROUTE 21 (MILWAUKEE AVE)	236+90.00	243+73.00	RT	3921	436
IL ROUTE 21 (MILWAUKEE AVE)	243+96.00	244+75.00	RT	406	45
IL ROUTE 21 (MILWAUKEE AVE)	244+98.00	245+50.00	RT	252	28
IL ROUTE 21 (MILWAUKEE AVE)	248+26.00	248+66.00	RT	255	28
IL ROUTE 21 (MILWAUKEE AVE)	248+93.00	255+84.00	RT	3930	437
IL ROUTE 21 (MILWAUKEE AVE)	256+23.00	258+18.00	RT	1005	112
IL ROUTE 21 (MILWAUKEE AVE)	258+52.00	259+61.00	RT	503	56
IL ROUTE 21 (MILWAUKEE AVE)	259+90.00	263+00.00	RT	1354	150
IL ROUTE 21 (MILWAUKEE AVE)	263+00.00	264+96.00	RT	877	97
IL ROUTE 21 (MILWAUKEE AVE)	266+59.00	268+45.00	RT	686	76
		<b>TOTAL</b>		<b>29202</b>	<b>3245</b>

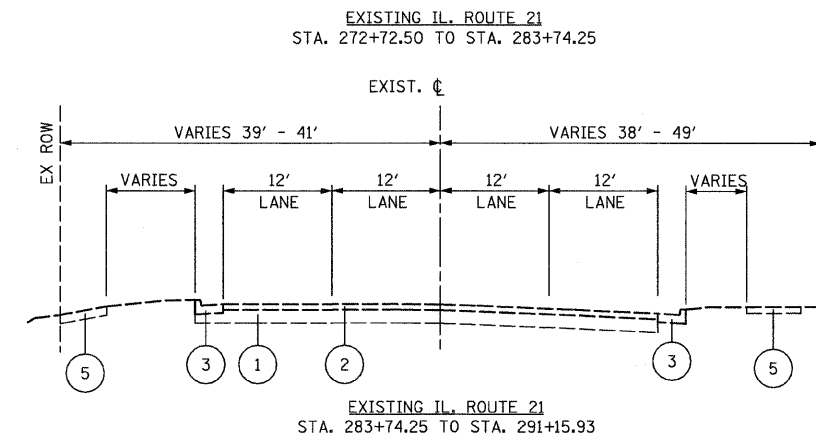
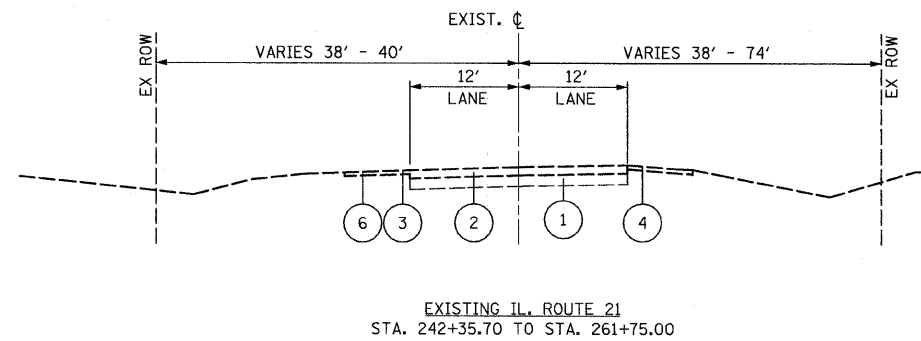
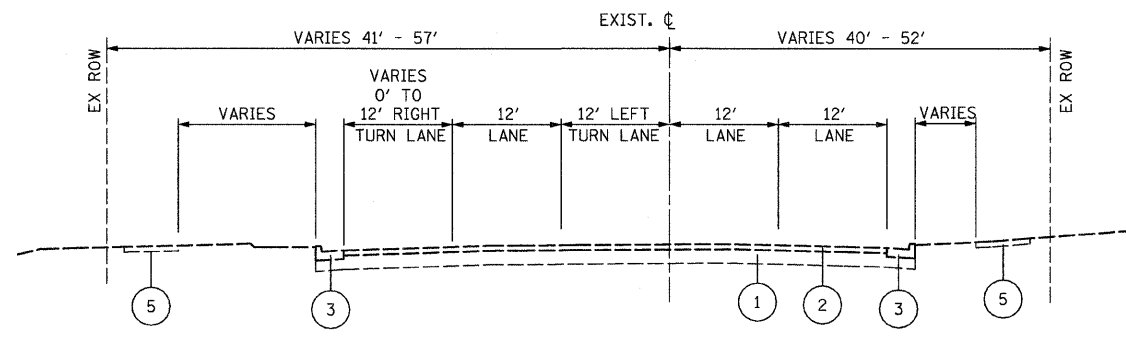
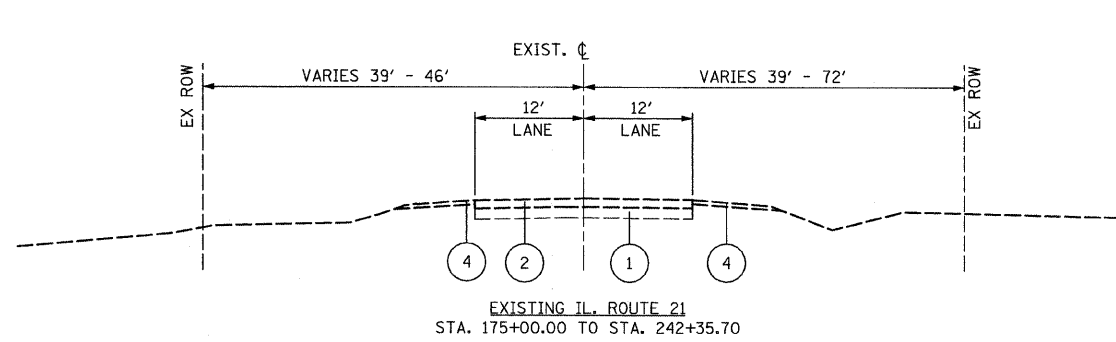
SIDEWALK REMOVAL

LOCATION / ALIGNMENT	STATION		LT/RT	44000600
	FROM	TO		SIDEWALK REMOVAL SQ FT
IL ROUTE 21 (MILWAUKEE AVE)	278+21	280+30	LT	894
IL ROUTE 21 (MILWAUKEE AVE)	281+27	283+70	RT	953
IL ROUTE 21 (MILWAUKEE AVE)	284+03	284+56	RT	198
IL ROUTE 21 (MILWAUKEE AVE)	284+92	287+75	RT	1371
IL ROUTE 21 (MILWAUKEE AVE)	286+45	288+71	LT	756
IL ROUTE 21 (MILWAUKEE AVE)	288+17	291+05	RT	1127
DOG PARK PARKING LOT	13+12.34	13+23.90	RT	31.4
DOG PARK PARKING LOT	11+85.6	11+96.5	RT	31.4
		<b>TOTAL</b>		<b>5362</b>

ISLAND REMOVAL

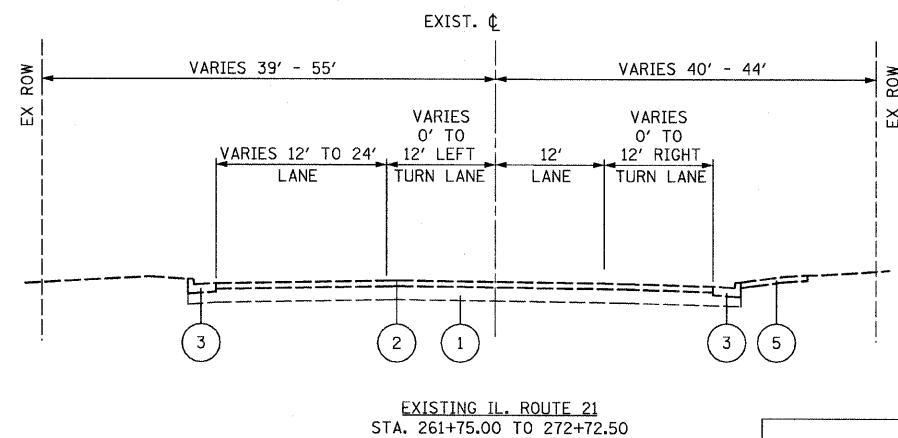
LOCATION / ALIGNMENT	STATION	LT/RT	X4402800
			ISLAND REMOVAL SQ YD
IL ROUTE 21 (MILWAUKEE AVE)	271+89	RT	39
IL ROUTE 21 (MILWAUKEE AVE)	272+87	RT	20
IL ROUTE 21 (MILWAUKEE AVE)	273+36	LT	31
		<b>TOTAL</b>	<b>90</b>





3 NOTE: STA. 252+25.00 TO STA. 261+75.00

6 NOTE: 2' TO 8' SHLDR., STA. 242+35.70 TO STA. 252+25.00



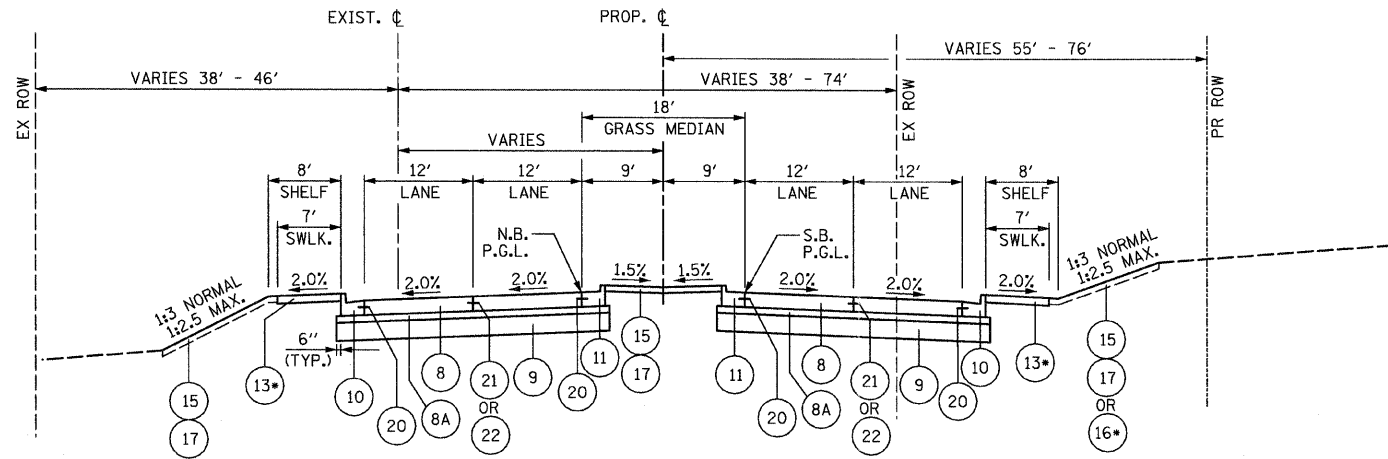
### ILLINOIS ROUTE 21

STRUCTURAL DESIGN TRAFFIC: YEAR 2012  
 PV = 93% SU = 1.0% MU = 6.0%  
 ROAD/STREET CLASSIFICATION: CLASS 1  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P = 32% S = 45% M = 45%  
 TRAFFIC FACTOR: ACTUAL TF = 11.96 AC TYPE = NA  
 MINIMUM TF = 6.03

### LEGEND

- 1 EXISTING PCC PAVEMENT, VARIES 6" TO 10"
- 2 EXISTING HMA OVERLAY, VARIES 3" TO 9"
- 3 EXISTING COMB. CONC. CURB AND GUTTER
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING SIDEWALK
- 6 EXISTING HMA SHOULDER
- 7A PROP. RETAINING WALL WITH PARAPET
- 7B PROP. RETAINING WALL WITH RAILING
- 8 PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- 8A PROP. STABILIZED SUBBASE, 4 1/2"
- 9 PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- 10 PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- 11 PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- 12 PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- 13 PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- 14 PROP. CONC. MEDIAN SURFACE 4"
- 15 PROP. FURNISHING AND PLACING TOPSOIL, 4"
- 16 PROP. SODDING (SALT TOLERANT)
- 17 PROP. SEEDING AND EROSION CONTROL BLANKET
- 18 PROP. M2.12 COMB. CONC. CURB AND GUTTER
- 19 PROP. CONCRETE MEDIAN, TYPE SM2.12
- 19A PROP. CONCRETE MEDIAN, TYPE SB6.24
- 20 CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- 21 CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- 22 SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- 23 PROP. PCC SHOULDER, 9 3/4"

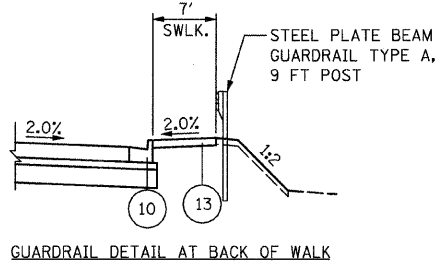
POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



13\* NOTE: SIDEWALK ON LEFT SIDE OF IL 21 FROM STA. 175+00.00 TO STA. 215+54.49 ONLY SIDEWALK ON RIGHT SIDE BEGINS AT STA. 185+23.28

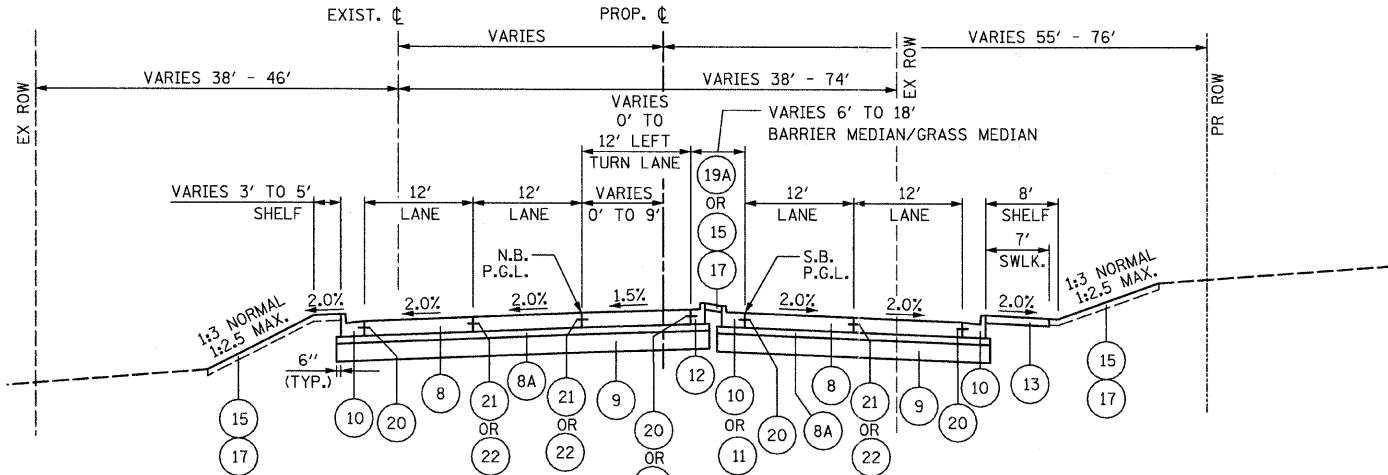
16\* NOTE: PROPOSED SOD TO BE PLACED FROM STA. 175+00.00 TO STA. 195+00.00

PROPOSED IL. ROUTE 21  
 STA. 175+00.00 TO STA. 185+20.04  
 STA. 189+05.04 TO STA. 195+68.79  
 STA. 199+53.79 TO STA. 216+90.98  
 STA. 220+75.98 TO STA. 227+82.69  
 STA. 236+56.69 TO STA. 242+51.49  
 STA. 261+12.28 TO STA. 261+61.48



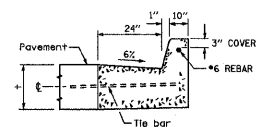
LEGEND

- 1 EXISTING PCC PAVEMENT
- 2 EXISTING HMA OVERLAY
- 3 EXISTING COMB. CONC. CURB AND GUTTER
- 4 EXISTING AGGREGATE SHOULDER
- 5 EXISTING SIDEWALK
- 6 EXISTING HMA SHOULDER
- 7A PROP. RETAINING WALL WITH PARAPET
- 7B PROP. RETAINING WALL WITH RAILING
- 8 PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- 8A PROP. STABILIZED SUBBASE, 4 1/2"
- 9 PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- 10 PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- 11 PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- 12 PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- 13 PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- 14 PROP. CONC. MEDIAN SURFACE 4"
- 15 PROP. FURNISHING AND PLACING TOPSOIL, 4"
- 16 PROP. SODDING (SALT TOLERANT)
- 17 PROP. SEEDING AND EROSION CONTROL BLANKET
- 18 PROP. M2.12 COMB. CONC. CURB AND GUTTER
- 19 PROP. CONCRETE MEDIAN, TYPE SM2.12
- 19A PROP. CONCRETE MEDIAN, TYPE SB6.24
- 20 CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- 21 CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- 22 SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- 23 PROP. PCC SHOULDER, 9 3/4"



NOTE: SIDEWALK ON LEFT SIDE OF IL 21 FROM STA. 185+20.04 TO STA. 199+53.79

PROPOSED IL. ROUTE 21  
 STA. 185+20.04 TO STA. 189+05.04  
 STA. 195+68.79 TO STA. 199+53.79  
 STA. 216+90.98 TO STA. 220+75.98  
 STA. 232+71.69 TO STA. 236+56.69



DETAIL  
 COMB. CONC. CURB AND GUTTER TYPE B-6.24 (SPECIAL)

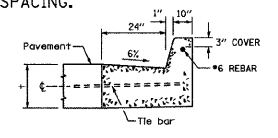
- NOTE:
1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)
  2. VARIABLE SPACED SKEWED TILING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



**NOTE:**

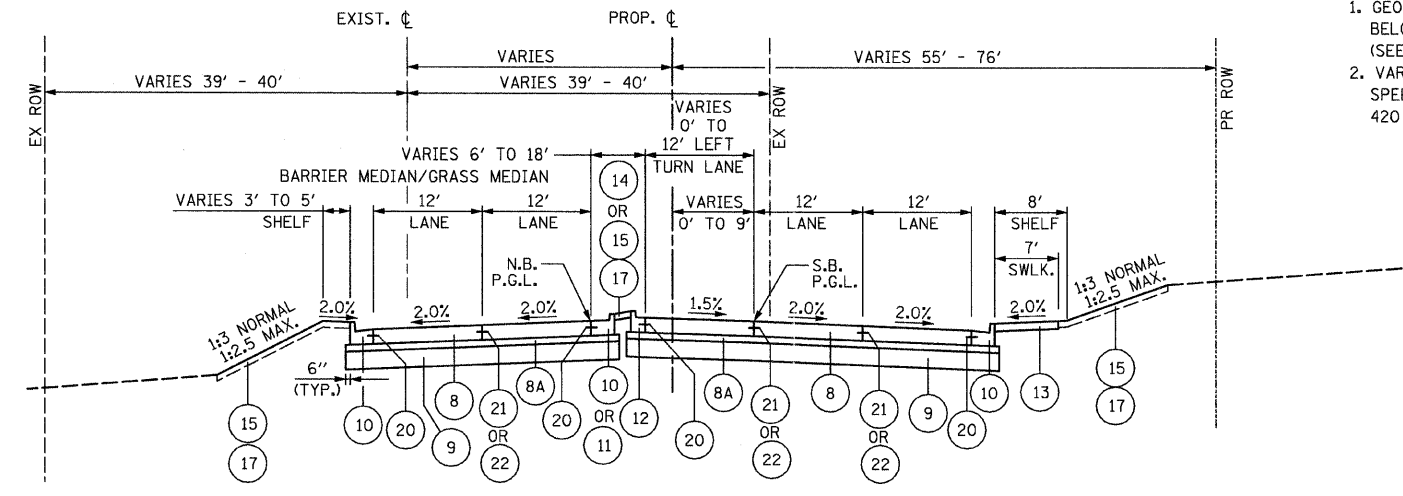
1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)
2. VARIABLE SPACED SKEWED TILING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.



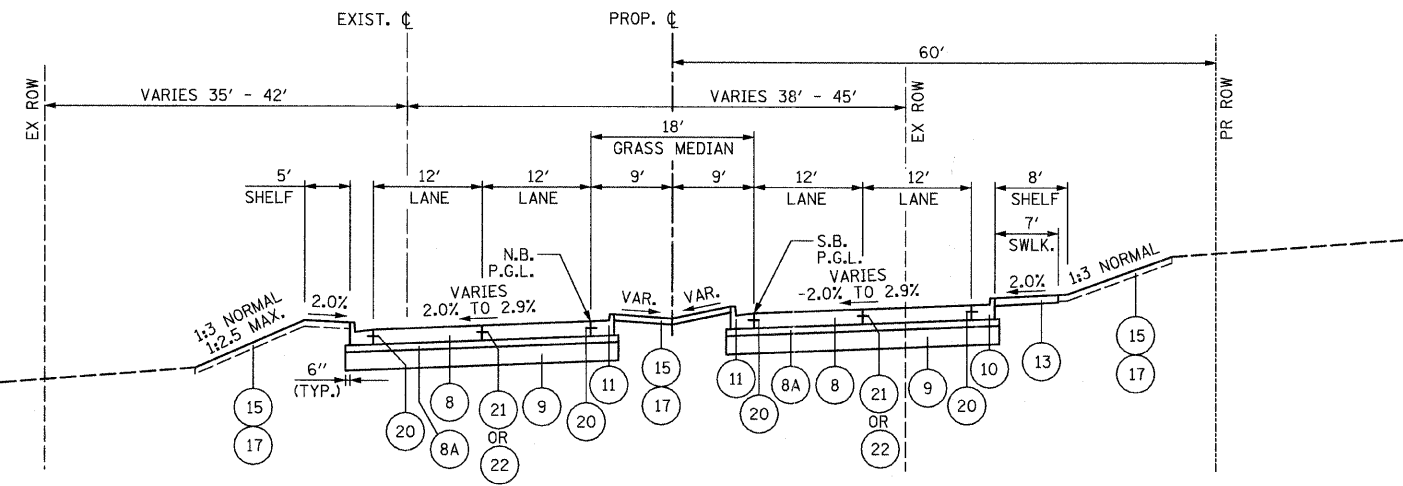
DETAIL  
COMB. CONC. CURB AND GUTTER TYPE B-6.24 (SPECIAL)

**LEGEND**

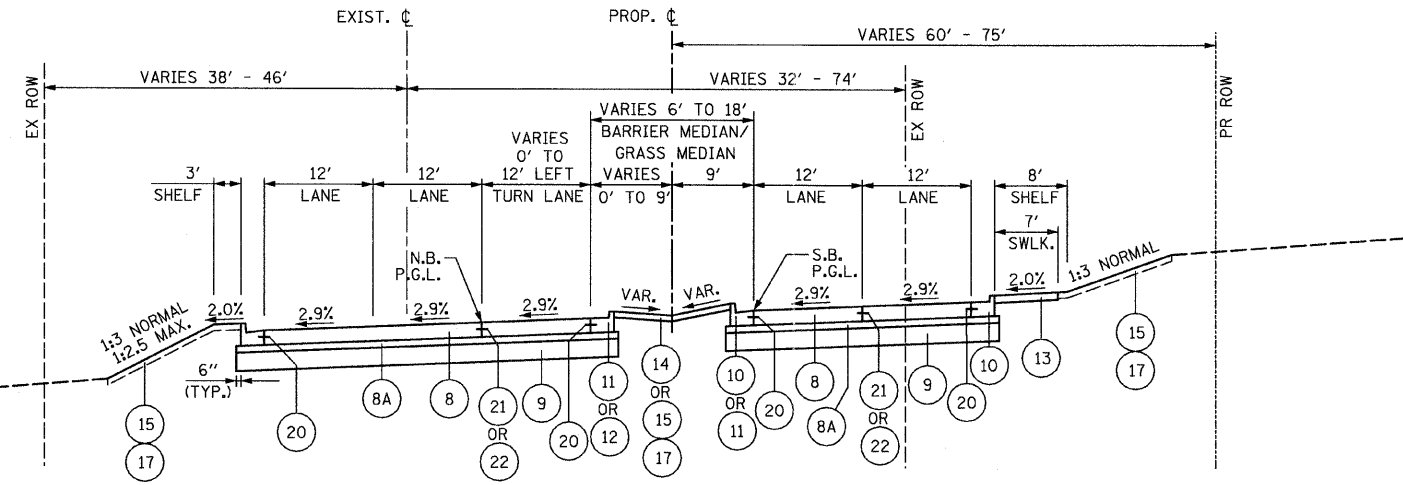
- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"



PROPOSED IL. ROUTE 21  
STA. 227+82.69 TO STA. 232+71.69  
STA. 261+61.48 TO STA. 266+32.45

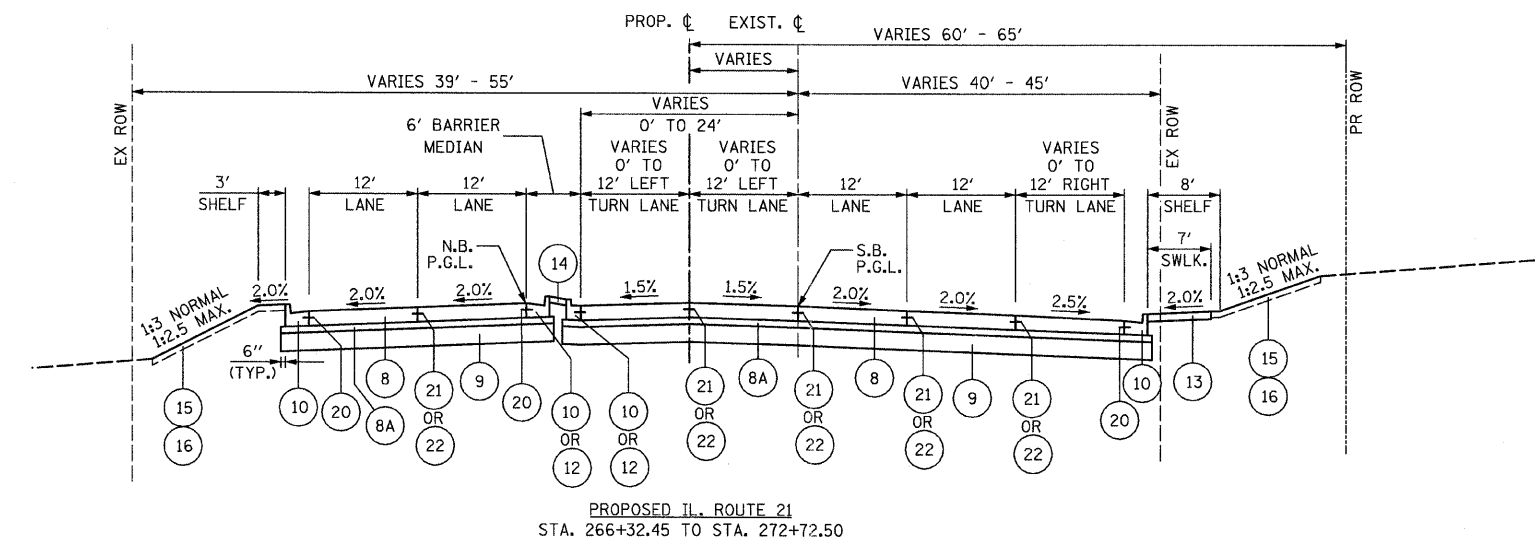


PROPOSED IL. ROUTE 21  
STA. 242+51.49 TO STA. 243+98.89 (SUPERELEVATION TRANSITION)  
STA. 259+64.88 TO STA. 261+12.28 (SUPERELEVATION TRANSITION)

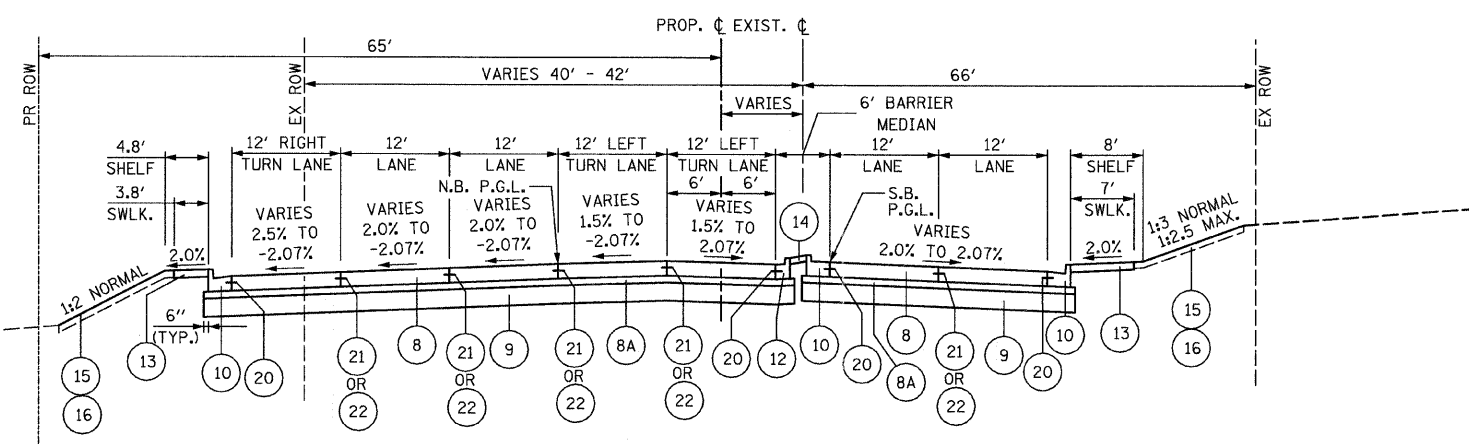


PROPOSED IL. ROUTE 21  
STA. 243+98.89 TO STA. 259+64.88 (FULL SUPERELEVATION)  
(BRIDGE OMISSION: STA. 248+10.34 TO STA. 249+45.35)

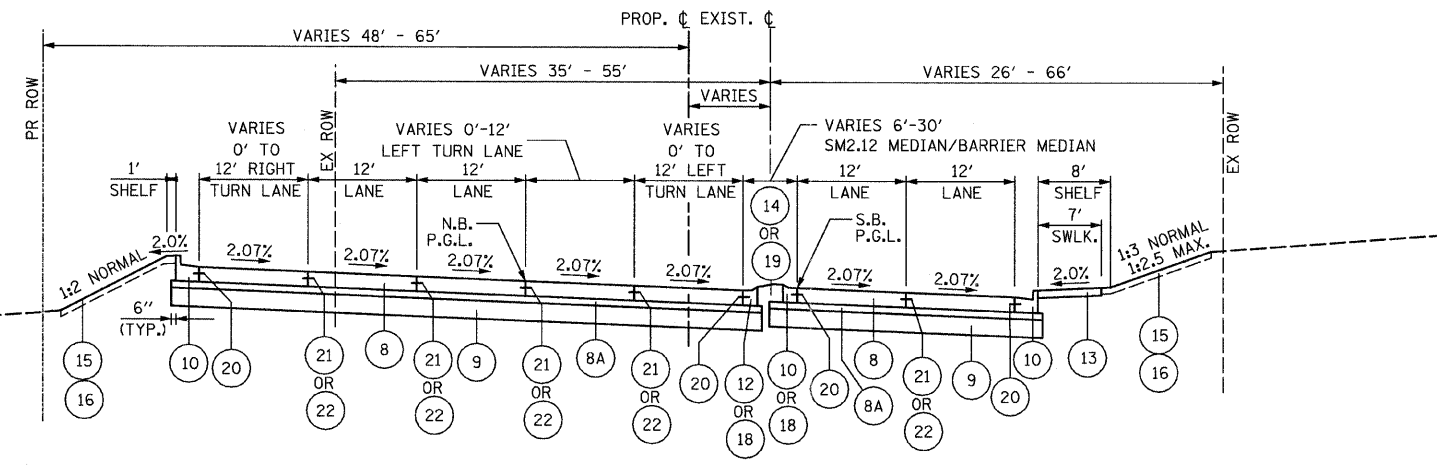
POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



PROPOSED IL. ROUTE 21  
STA. 266+32.45 TO STA. 272+72.50



PROPOSED IL. ROUTE 21  
STA. 272+72.50 TO STA. 273+96.96  
STA. 273+96.96 TO STA. 275+25.76 (SUPERELEVATION TRANSITION)



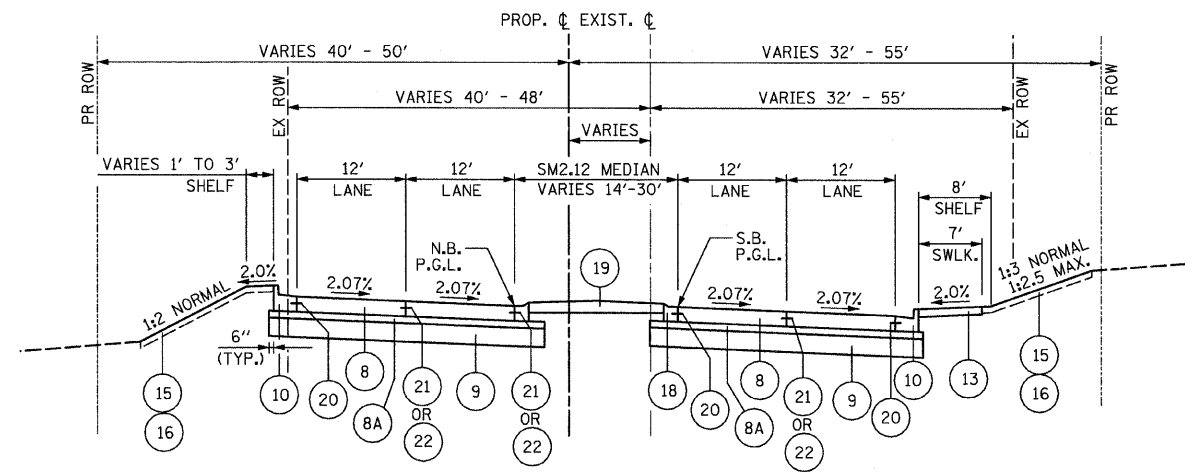
PROPOSED IL. ROUTE 21  
STA. 275+25.76 TO STA. 279+57.29 (FULL SUPERELEVATION)  
STA. 281+65.20 TO STA. 285+66.79 (FULL SUPERELEVATION)

- NOTE:**
1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)
  2. VARIABLE SPACED SKEWED TILING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

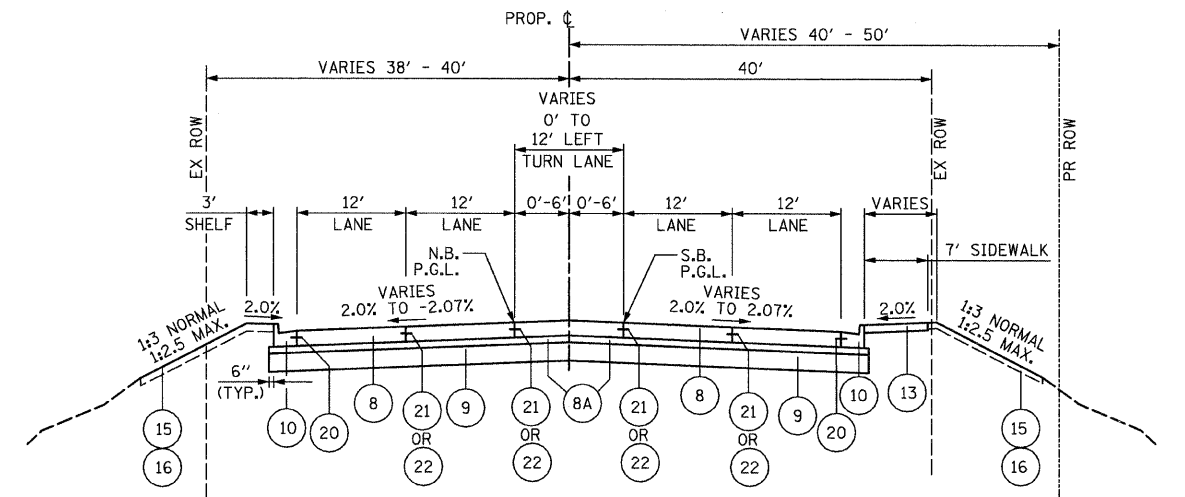
**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"

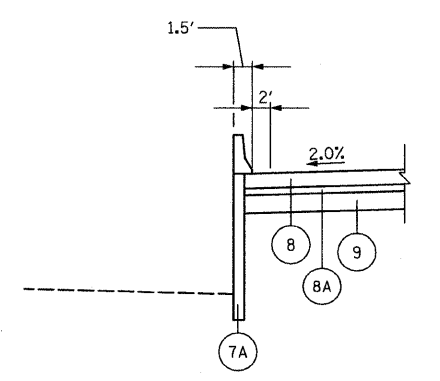
POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



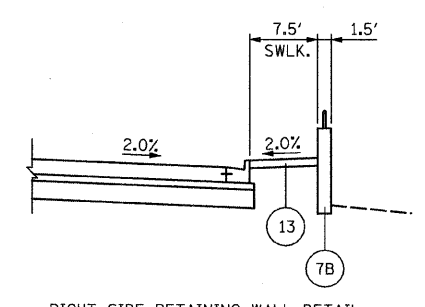
PROPOSED IL. ROUTE 21  
 STA. 279+57.29 TO STA. 281+65.20 (FULL SUPERELEVATION)  
 STA. 285+66.79 TO STA. 287+72.79 (FULL SUPERELEVATION)



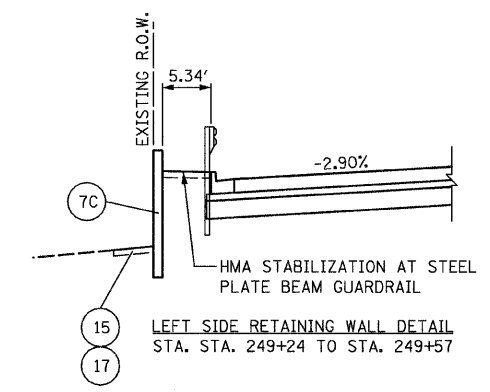
PROPOSED IL. ROUTE 21  
 STA. 287+72.79 TO STA. 289+36.08 (SUPERELEVATION TRANSITION)  
 STA. 289+36.08 TO STA. 291+15.93



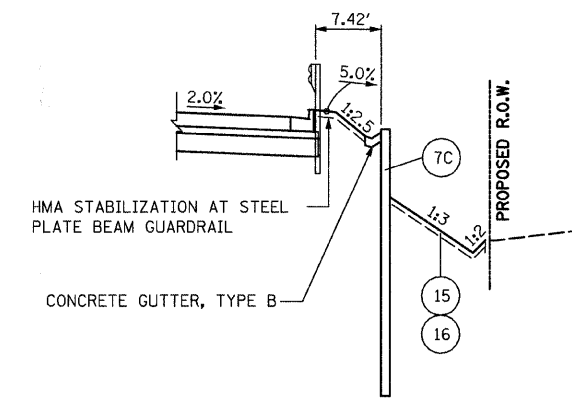
LEFT SIDE RETAINING WALL DETAIL  
 STA. 244+62.641 TO STA. 247+88.54



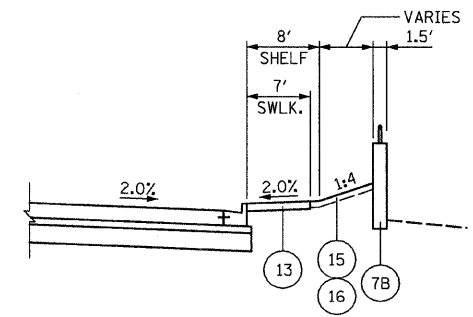
RIGHT SIDE RETAINING WALL DETAIL  
 STA. 175+00.00 TO STA. 178+50.00 (BY OTHERS)  
 STA. 211+40.15 TO STA. 212+43.93  
 STA. 248+07.53 TO STA. 248+36.90  
 STA. 249+67.33 TO STA. 251+99.28



LEFT SIDE RETAINING WALL DETAIL  
 STA. STA. 249+24 TO STA. 249+57



RIGHT SIDE RETAINING WALL DETAIL  
 STA. 187+04 TO STA. 189+77



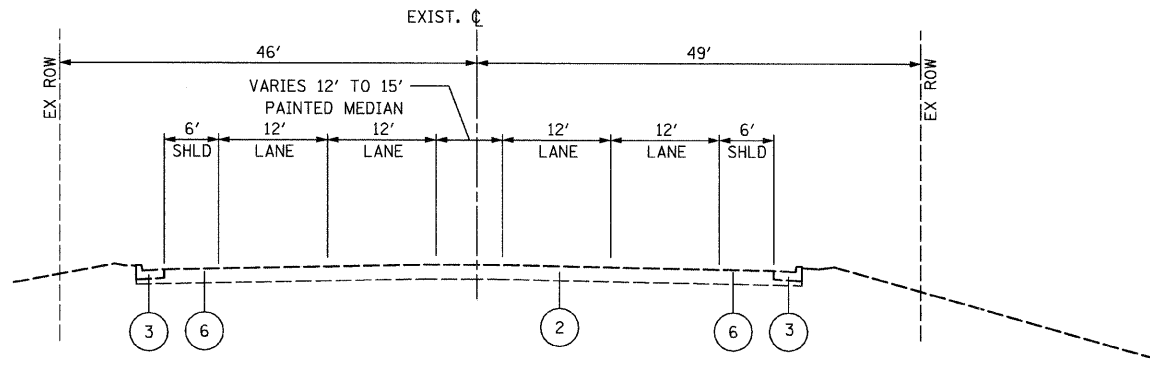
RIGHT SIDE RETAINING WALL DETAIL  
 STA. 267+80.27 TO STA. 269+00.14

- NOTE:
1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)
  2. VARIABLE SPACED SKEWED TINGING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

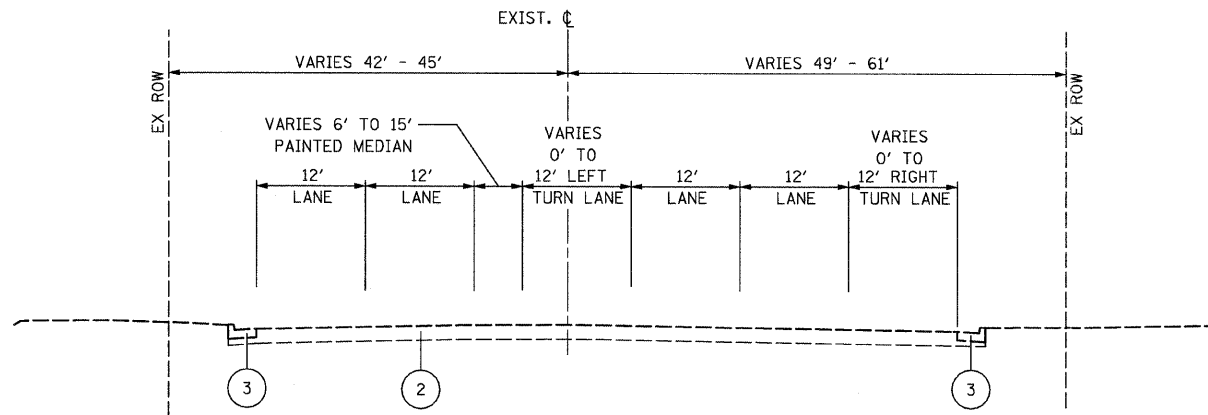
LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"

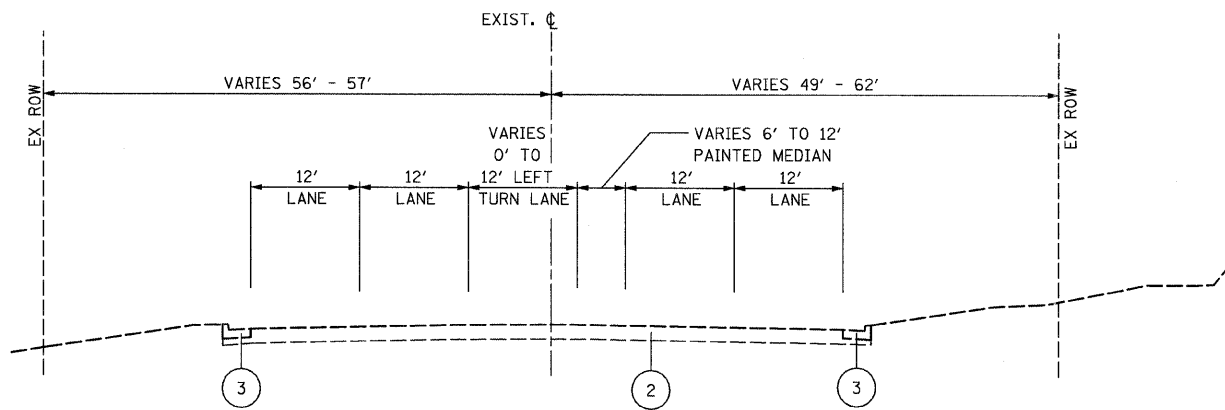
POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



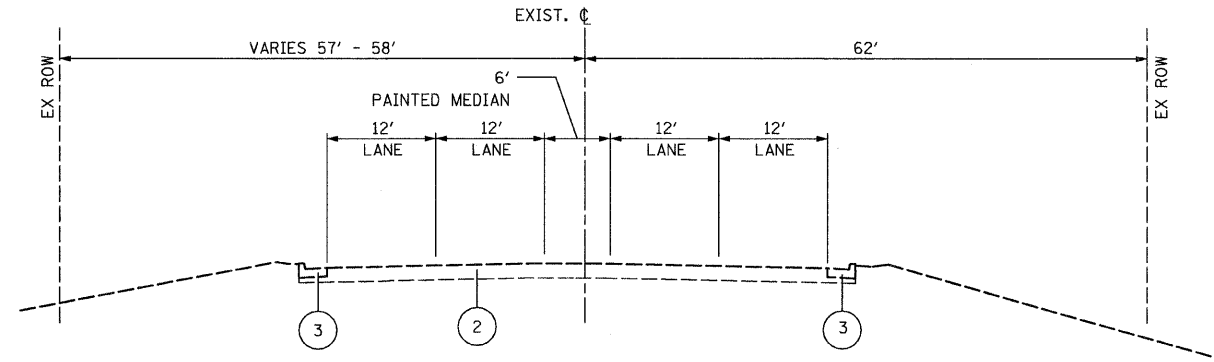
EXISTING IL ROUTE 137  
STA. 451+00.00 TO STA. 454+05.00



EXISTING IL ROUTE 137  
STA. 454+05.00 TO STA. 460+18.04



EXISTING IL ROUTE 137  
STA. 460+18.04 TO STA. 467+36.39



**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA PAVEMENT, VARIES 12" TO 15"
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"

POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
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	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
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	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT

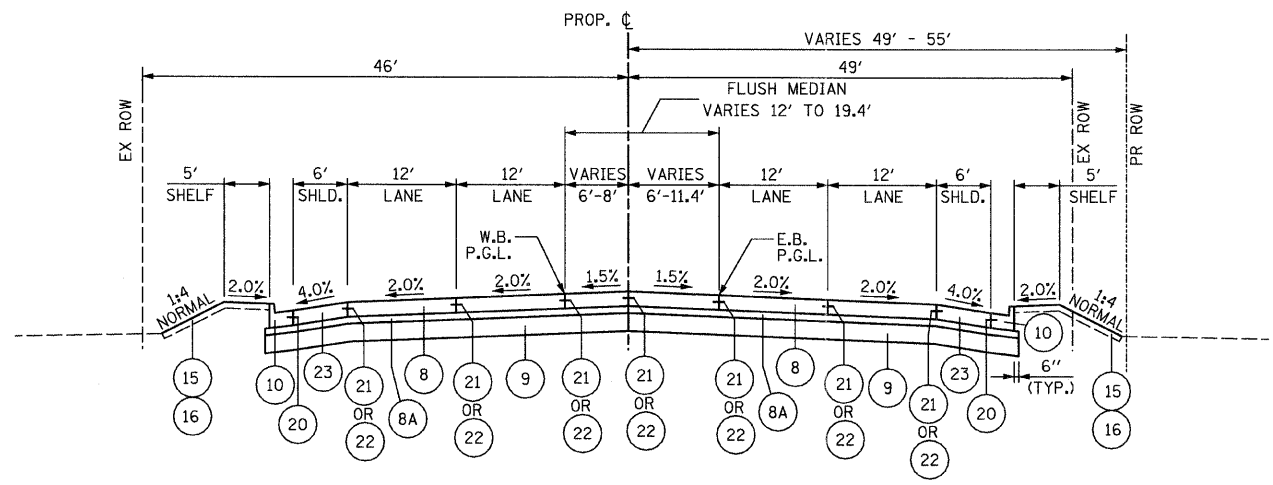
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	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

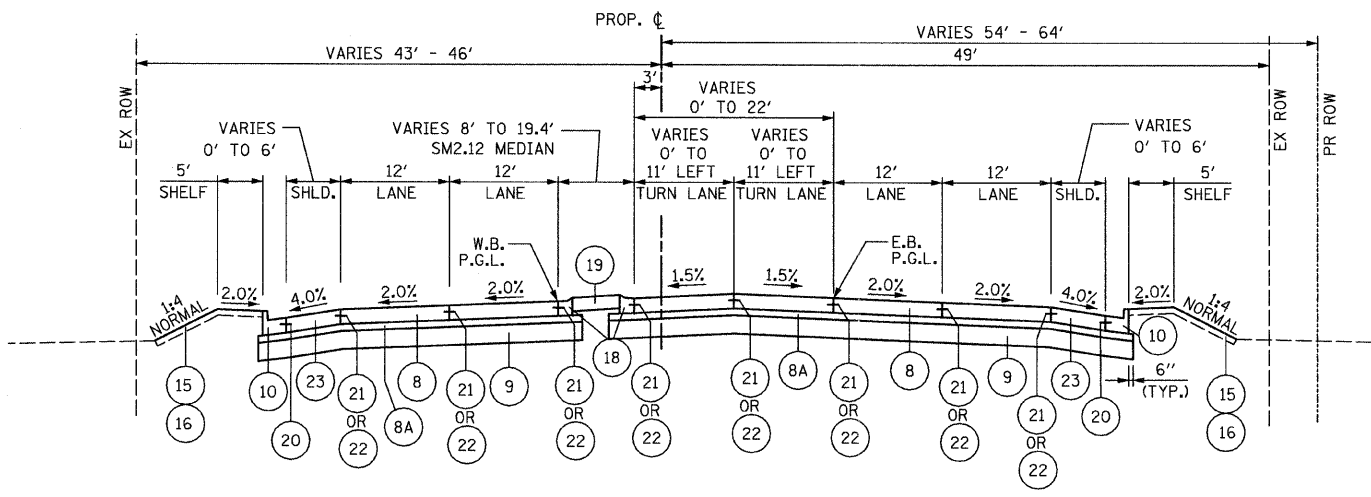
**EXISTING TYPICAL SECTIONS  
IL RTE 137 (BUCKLEY ROAD)**

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

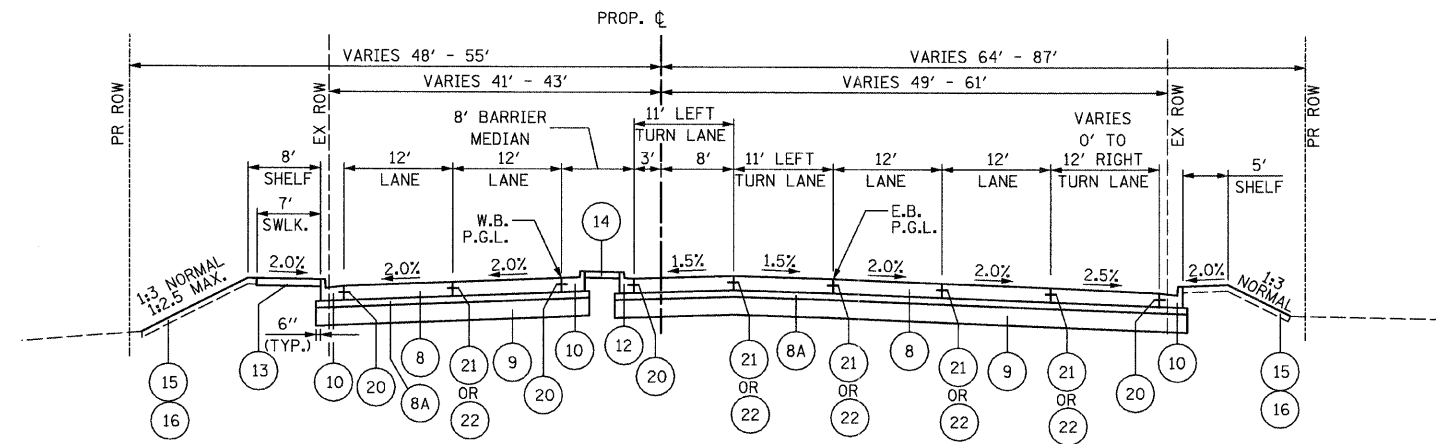
F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 26
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED IL. ROUTE 137  
STA. 451+00.00 STA. 454+02.22



PROPOSED IL. ROUTE 137  
STA. 454+02.22 STA. 456+50.00



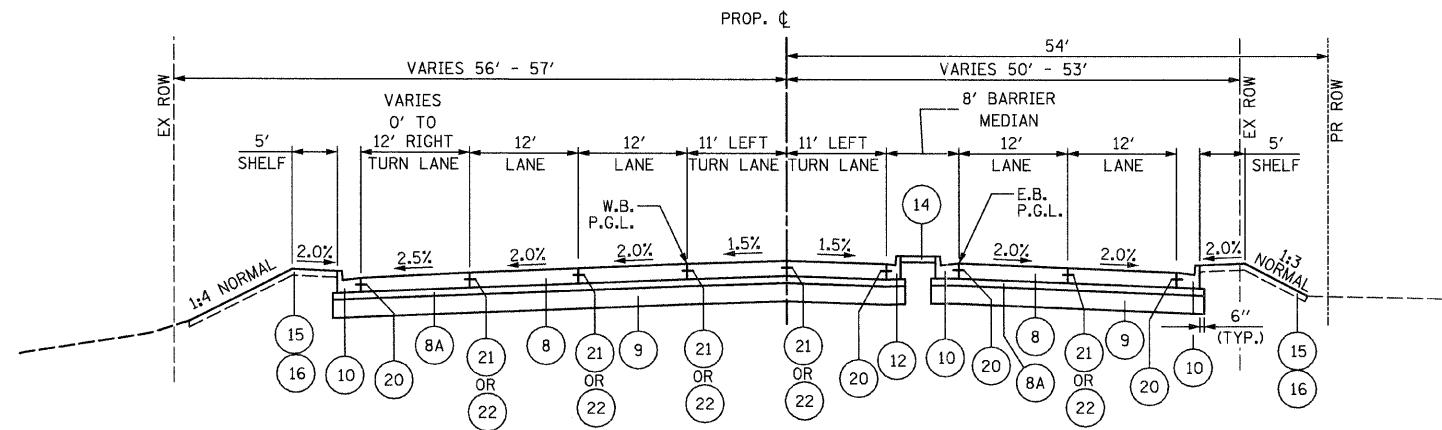
PROPOSED IL. ROUTE 137  
STA. 456+50.00 TO STA. 460+18.04

NOTE:  
1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)  
2. VARIABLE SPACED SKEWED TILING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

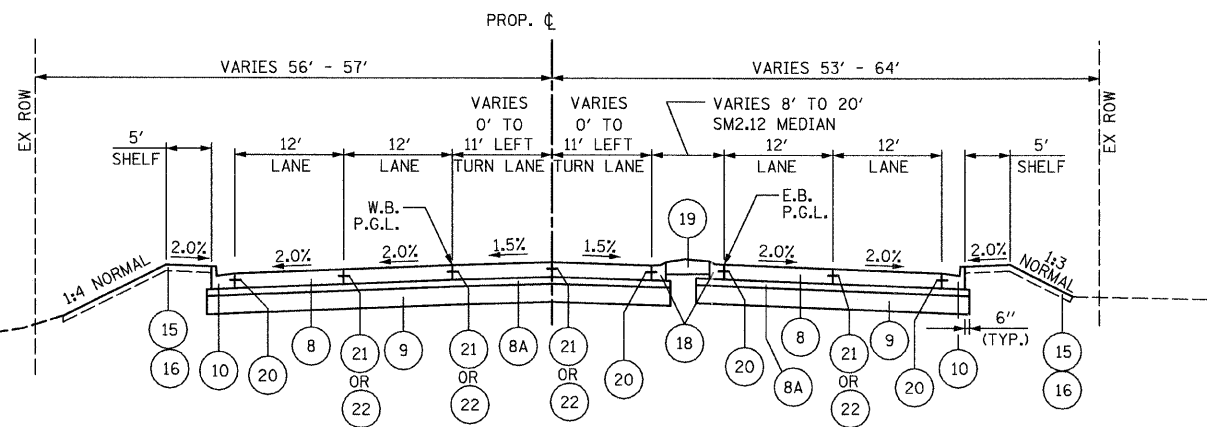
LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"

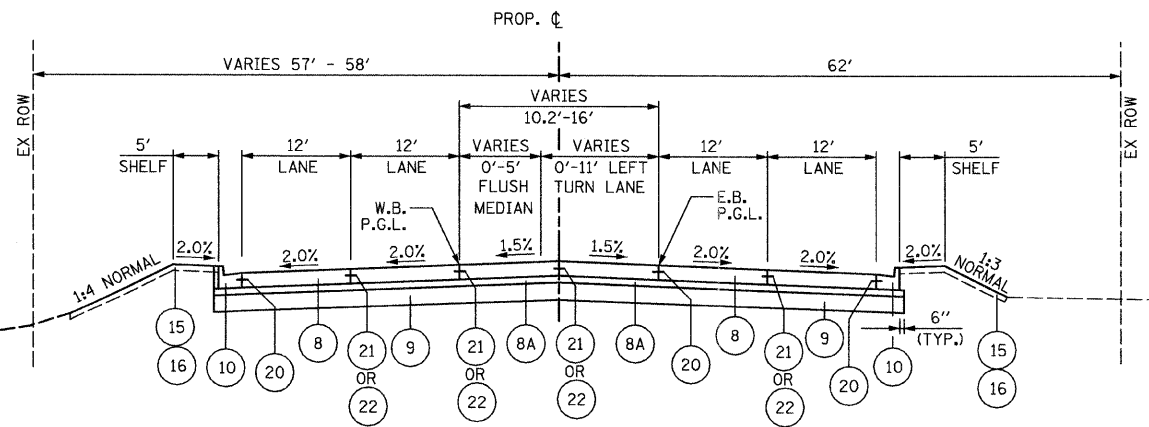
POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT



PROPOSED IL. ROUTE 137  
STA. 460+18.04 TO STA. 464+00.00



PROPOSED IL. ROUTE 137  
STA. 464+00.00 TO STA. 467+36.39



PROPOSED IL. ROUTE 137  
STA. 467+36.39 TO STA. 471+19.84

**NOTE:**

1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE PLACED EITHER BELOW AGGREGATE SUBGRADE, 12" OR BELOW POROUS GRANULAR EMBANKMENT, SUBGRADE. (SEE TABLE AT RIGHT FOR LOCATIONS.)
2. VARIABLE SPACED SKEWED TILING SHALL BE USED ON ALL FACILITIES WITH A POSTED SPEED LIMIT OF 30 MPH OR GREATER. REFER TO SUPPLEMENTAL SPECIFICATIONS SECTION 420 FOR SPECIFIC DETAILS IN REGARDS TO THE DEGREE OF SKEW AND TINE SPACING.

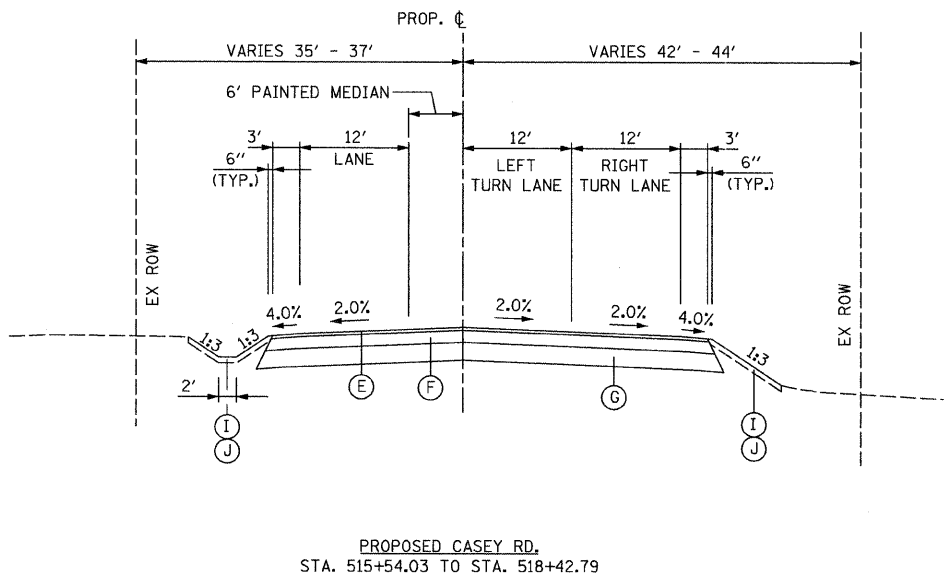
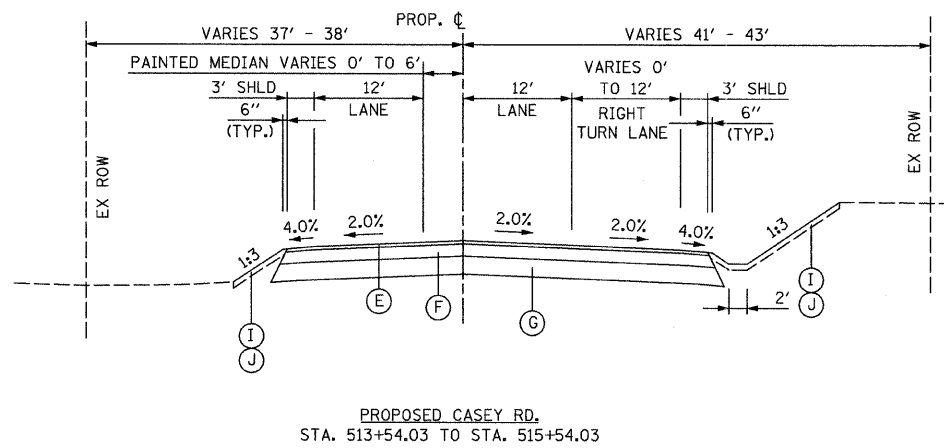
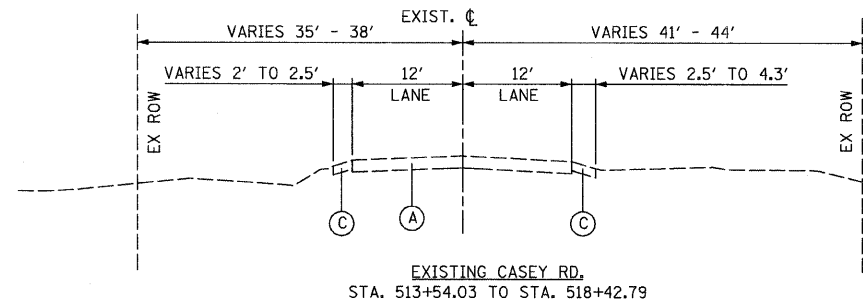
**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA OVERLAY
- ③ EXISTING COMB. CONC. CURB AND GUTTER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING SIDEWALK
- ⑥ EXISTING HMA SHOULDER
- ⑦A PROP. RETAINING WALL WITH PARAPET
- ⑦B PROP. RETAINING WALL WITH RAILING
- ⑧ PROP. PCC PAVEMENT 9 3/4" (JOINTED)
- ⑧A PROP. STABILIZED SUBBASE, 4 1/2"
- ⑨ PROP. AGGREGATE SUBGRADE, 12" (SPECIAL) WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (REFER TO TABLE BELOW FOR DEPTHS AND LIMITS OF ADDITIONAL SUBGRADE TREATMENTS)
- ⑩ PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- ⑪ PROP. B-6.24 COMB. CONC. CURB AND GUTTER (SPECIAL) SEE DETAIL BELOW LEFT.
- ⑫ PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- ⑬ PROP. CONC. SIDEWALK 5" (SEE PLANS FOR LOCATION)
- ⑭ PROP. CONC. MEDIAN SURFACE 4"
- ⑮ PROP. FURNISHING AND PLACING TOPSOIL, 4"
- ⑯ PROP. SODDING (SALT TOLERANT)
- ⑰ PROP. SEEDING AND EROSION CONTROL BLANKET
- ⑱ PROP. M2.12 COMB. CONC. CURB AND GUTTER
- ⑲ PROP. CONCRETE MEDIAN, TYPE SM2.12
- ⑲A PROP. CONCRETE MEDIAN, TYPE SB6.24
- ⑳ CONSTRUCTION JOINT WITH NO.6 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE. INCLUDED IN THE COST OF CURB & GUTTER OR CONCRETE MEDIAN TYPE SM2.12 (SPECIAL).
- ㉑ CONSTRUCTION JOINT WITH NO. 8 DEFORMED TIE BAR (EPOXY COATED), 24" LONG @ 24" CENTERS, GROUT IN PLACE (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉒ SAWED LONGITUDINAL JOINT WITH NO. 6 DEFORMED TIE BAR (EPOXY COATED) 30" LONG @ 30" (TYPICAL) CENTERS (INCLUDED IN THE COST OF PCC PAVEMENT).
- ㉓ PROP. PCC SHOULDER, 9 3/4"

POROUS GRANULAR EMBANKMENT, SUBGRADE WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION				
ALIGNMENT	BEGIN STA.	END STA.	ADDITIONAL DEPTH	WIDTH
ILLINOIS ROUTE 21	197+50.00	199+50.00	12"	5' TO 35' RT
	228+00.00	230+00.00	6"	5' TO 35' RT
	237+00.00	239+00.00	6"	ENTIRE PAVEMENT
	239+00.00	245+00.00	12"	ENTIRE PAVEMENT
	248+50.00	254+00.00	12"	ENTIRE PAVEMENT
	260+50.00	263+50.00	12"	ENTIRE PAVEMENT
	263+50.00	267+00.00	6"	ENTIRE PAVEMENT
	269+70.00	275+50.00	12"	ENTIRE PAVEMENT
	275+50.00	279+00.00	6"	ENTIRE PAVEMENT
	282+50.00	291+15.00	12"	ENTIRE PAVEMENT
ILLINOIS ROUTE 137	451+00.00	453+00.00	12"	ENTIRE PAVEMENT







**LEGEND**

- (A) EXISTING BITUMINOUS PAVEMENT
- (B) EXISTING COMB. CONC. CURB AND GUTTER
- (C) EXISTING AGGREGATE SHOULDER
- (D) PROP. RETAINING WALL WITH RAILING
- (E) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"
- (F) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (2 LIFTS)
- (G) PROP. AGGREGATE SUBGRADE, 12"
- (H) PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- (I) PROP. FURNISHING AND PLACING TOPSOIL, 4"
- (J) PROP. SEEDING AND EROSION CONTROL BLANKET
- (K) PROP. AGGREGATE SHOULDER, TYPE A 12"
- (L) PROP. B-6.24 COMB. CONC. CURB AND GUTTER

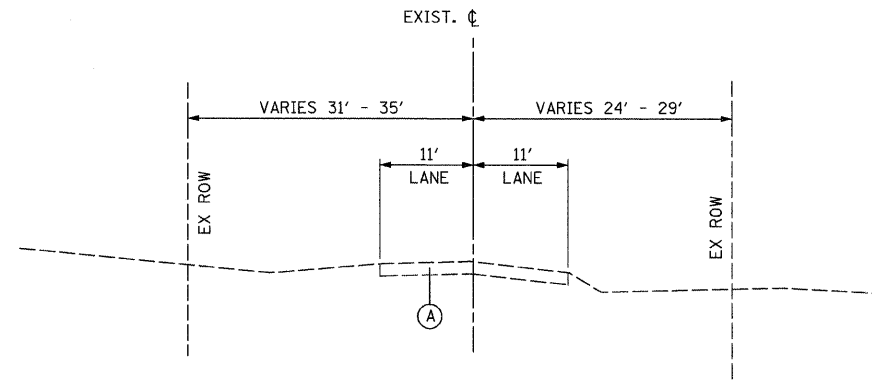
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	PLOT SCALE = 10,000 ' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

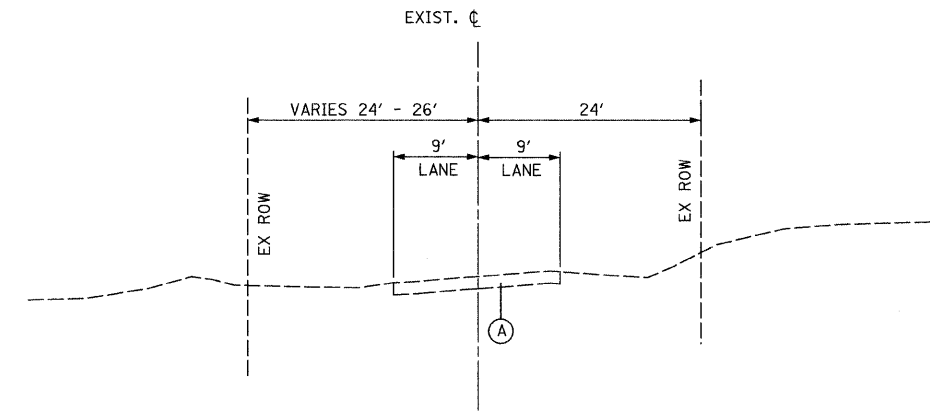
**EXISTING & PROPOSED TYPICAL SECTIONS  
CASEY ROAD**

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

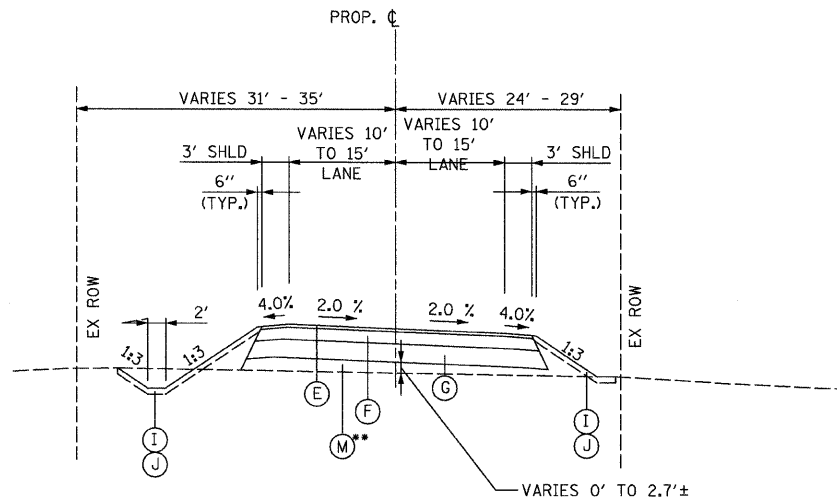
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	30
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



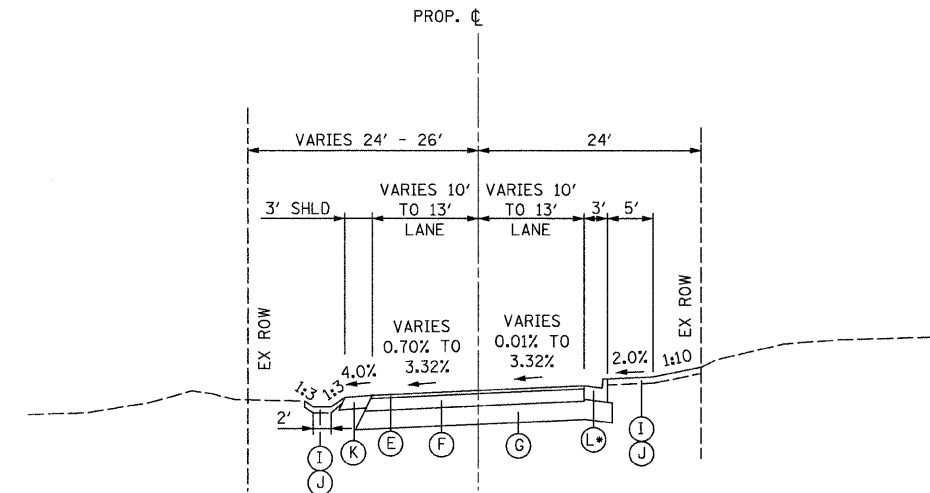
EXISTING BROOKHILL RD.  
STA. 507+00.00 TO STA. 509+27.93



EXISTING JANAS CT.  
STA. 498+50.00 TO STA. 499+16.88



PROPOSED BROOKHILL RD.  
STA. 507+00.00 TO STA. 509+27.93



PROPOSED JANAS CT.  
STA. 498+50.00 TO STA. 499+16.88

(L) NOTE: PROPOSED CURB AND GUTTER BEGINS AT STA. 498+87.61

NOTE:

\*\* (M) SEE GENERAL NOTE \* ON SHEET NO. FOR ADDITIONAL INFORMATION

LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT
- (B) EXISTING COMB. CONC. CURB AND GUTTER
- (C) EXISTING AGGREGATE SHOULDER
- (D) PROP. RETAINING WALL WITH RAILING
- (E) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"
- (F) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (2 LIFTS)
- (G) PROP. AGGREGATE SUBGRADE, 12"
- (H) PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- (I) PROP. FURNISHING AND PLACING TOPSOIL, 4"
- (J) PROP. SEEDING AND EROSION CONTROL BLANKET
- (K) PROP. AGGREGATE SHOULDER, TYPE A 12"
- (L) PROP. B-6.24 COMB. CONC. CURB AND GUTTER
- (M) PROP. POROUS GRANULAR EMBANKMENT, SUBGRADE

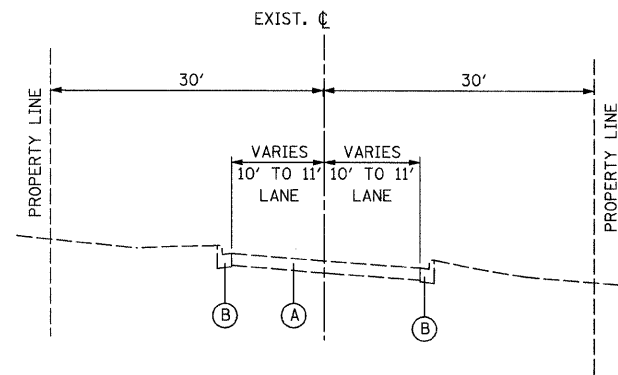
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	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

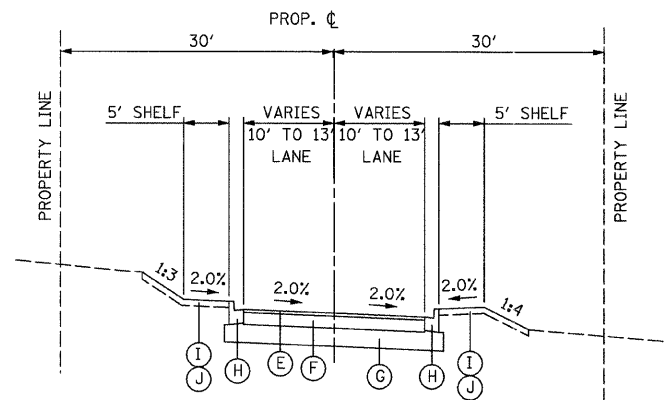
EXISTING & PROPOSED TYPICAL SECTIONS  
BROOKHILL ROAD AND JANAS COURT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	31
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING FINSTAD DR.  
STA. 7+50.00 TO STA. 9+34.12



PROPOSED FINSTAD DR.  
STA. 7+50.00 TO STA. 9+34.12

**LEGEND**

- (A) EXISTING BITUMINOUS PAVEMENT
- (B) EXISTING COMB. CONC. CURB AND GUTTER
- (C) EXISTING AGGREGATE SHOULDER
- (D) PROP. RETAINING WALL WITH RAILING
- (E) PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"
- (F) PROP. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (2 LIFTS)
- (G) PROP. AGGREGATE SUBGRADE, 12"
- (H) PROP. B-6.12 COMB. CONC. CURB AND GUTTER
- (I) PROP. FURNISHING AND PLACING TOPSOIL, 4"
- (J) PROP. SEEDING AND EROSION CONTROL BLANKET
- (K) PROP. AGGREGATE SHOULDER, TYPE A 12"
- (L) PROP. B-6.24 COMB. CONC. CURB AND GUTTER

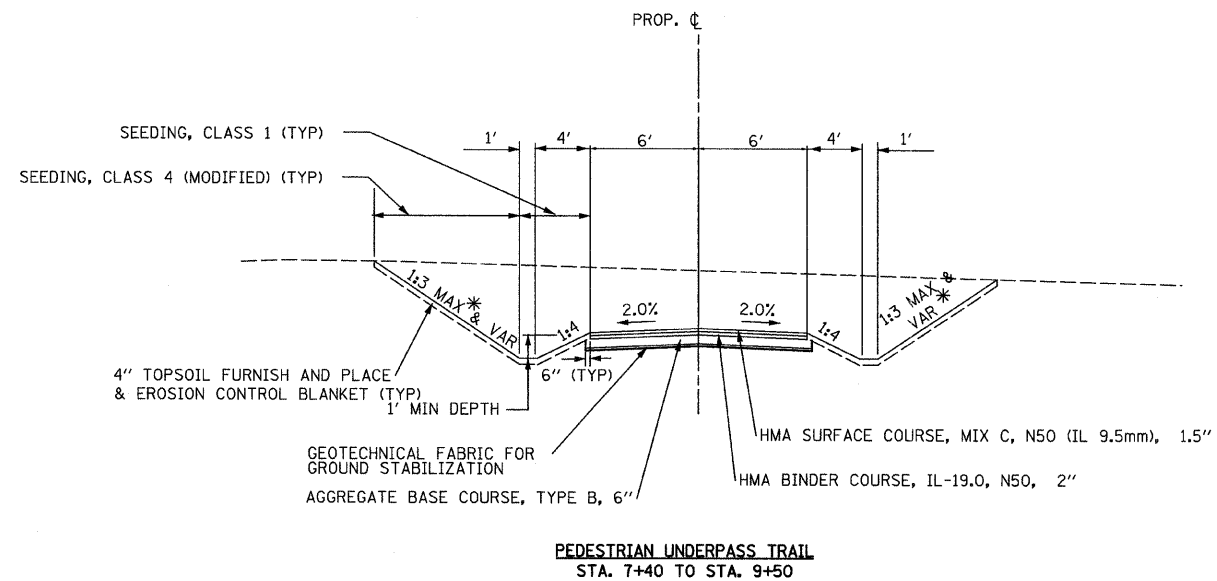
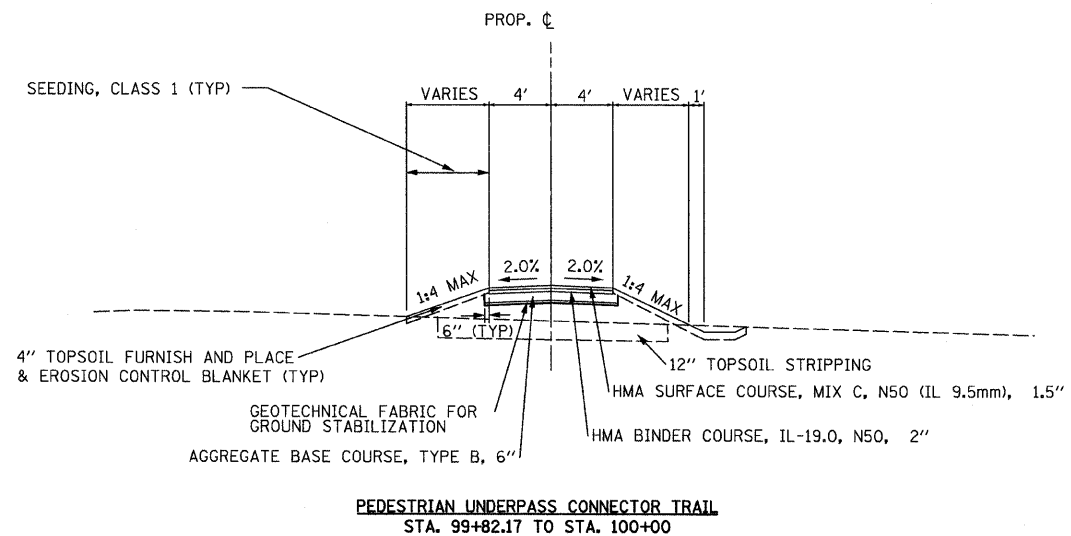
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		CHECKED - GFL	REVISED -
		DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING & PROPOSED TYPICAL SECTIONS  
FINSTAD DRIVE**

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

F.A.P. RTE. 330	SECTION 120R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 32
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\*1:2 MAX SLOPE NEAR UNDERPASS HEADWALLS

FILE NAME =	USER NAME = 1007	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS UNDERPASS TRAIL</b>				F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 33
11\102901\cadd sheets\sh-typical\0underpass.dgn		DRAWN - BK	REVISED -						CONTRACT NO. 60953				
PLOT SCALE = 1/8" = 1' / IN.		CHECKED - GFL	REVISED -										
PLOT DATE = 8/11/2011		DATE - 12/17/10	REVISED -										
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			





Course from PT IL21R8 to PC IL21R9 S 14° 12' 37.12" W Dist 2,059.6043'

Curve Data

**Curve IL21R9**  
 P.I. Station 252+29.11 N 2,056,211.8920 E 1,084,124.3110  
 Delta = 46° 11' 37.70" (LT)  
 Degree = 2° 50' 00.00"  
 Tangent = 862.4139'  
 Length = 1,630.3696'  
 Radius = 2,022.2040'  
 External = 176.2197'  
 Long Chord = 1,586.5703'  
 Mid. Ord. = 162.0944'  
 P.C. Station 243+66.70 N 2,057,047.9171 E 1,084,336.0180  
 P.T. Station 259+97.07 N 2,055,480.3919 E 1,084,581.1100  
 C.C. N 2,056,551.5027 E 1,086,296.3449

Course from PT IL21R9 to PC IL21R10 S 31° 59' 00.58" E Dist 1,506.4984'

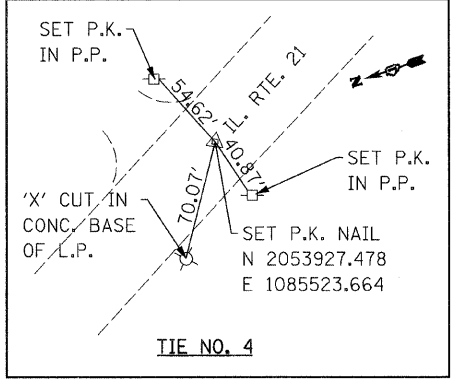
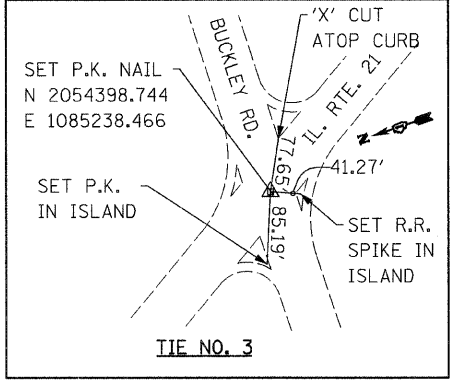
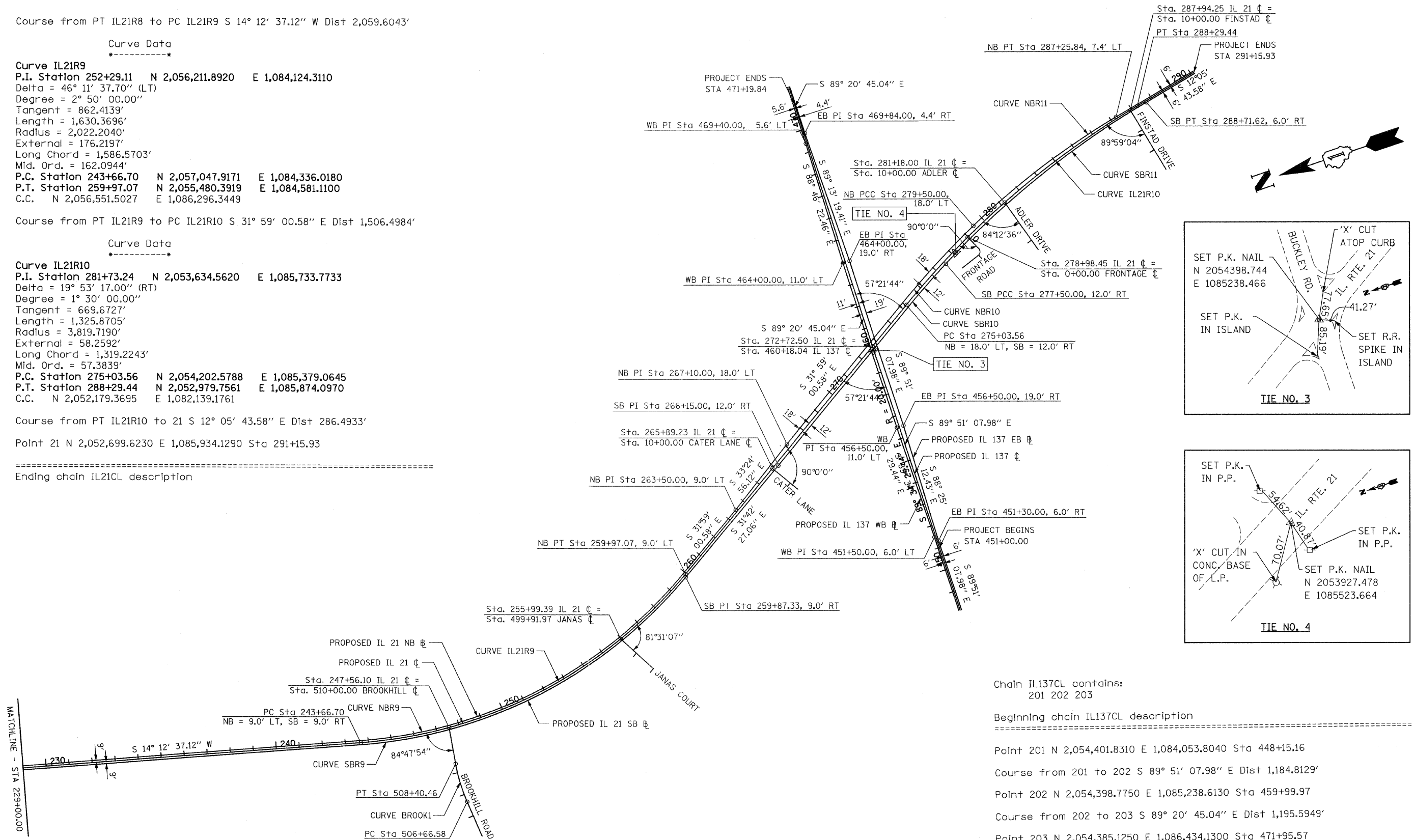
Curve Data

**Curve IL21R10**  
 P.I. Station 281+73.24 N 2,053,634.5620 E 1,085,733.7733  
 Delta = 19° 53' 17.00" (RT)  
 Degree = 1° 30' 00.00"  
 Tangent = 669.6727'  
 Length = 1,325.8705'  
 Radius = 3,819.7190'  
 External = 58.2592'  
 Long Chord = 1,319.2243'  
 Mid. Ord. = 57.3839'  
 P.C. Station 275+03.56 N 2,054,202.5788 E 1,085,379.0645  
 P.T. Station 288+29.44 N 2,052,979.7561 E 1,085,874.0970  
 C.C. N 2,052,179.3695 E 1,082,139.1761

Course from PT IL21R10 to 21 S 12° 05' 43.58" E Dist 286.4933'

Point 21 N 2,052,699.6230 E 1,085,934.1290 Sta 291+15.93

Ending chain IL21CL description



Chain IL137CL contains:  
 201 202 203

Beginning chain IL137CL description

Point 201 N 2,054,401.8310 E 1,084,053.8040 Sta 448+15.16

Course from 201 to 202 S 89° 51' 07.98" E Dist 1,184.8129'

Point 202 N 2,054,398.7750 E 1,085,238.6130 Sta 459+99.97

Course from 202 to 203 S 89° 20' 45.04" E Dist 1,195.5949'

Point 203 N 2,054,385.1250 E 1,086,434.1300 Sta 471+95.57

Ending chain IL137CL description

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11102901\cadd sheets\st-align-002.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	35
PLOT SCALE = 200.0000' / IN.		CHECKED - GFL	REVISED -		CONTRACT NO. 60953								
PLOT DATE = 7/8/2011		DATE - 12/17/10	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			

Chain IL21NB contains:  
 CUR NBR3 CUR NBR4 CUR NBR5 CUR NBR6 CUR NBR7 CUR NBR8 CUR NBR9 102 103 CUR NBR-  
 10 CUR NBR11 108

Beginning chain IL21NB description  
 =====

Curve Data  
 \*\*\*\*\*

**Curve NBR3**  
 P.I. Station 2+94.32 N 2,068,181.0839 E 1,089,255.9130  
 Delta = 2° 56' 41.34" (LT)  
 Degree = 0° 30' 01.41"  
 Tangent = 294.3151'  
 Length = 588.5006'  
 Radius = 11,450.1560'  
 External = 3.7819'  
 Long Chord = 588.4358'  
 Mid. Ord. = 3.7807'  
 P.C. Station 0+00.00 N 2,068,437.4456 E 1,089,400.4815  
 P.T. Station 5+88.50 N 2,067,917.6336 E 1,089,124.7058  
 C.C. N 2,062,813.0947 E 1,099,374.0841

Course from PT NBR3 to PC NBR4 S 26° 28' 29.52" W Dist 5,067.6742'

Curve Data  
 \*\*\*\*\*

**Curve NBR4**  
 P.I. Station 58+95.45 N 2,063,167.2225 E 1,086,758.8396  
 Delta = 1° 11' 48.52" (LT)  
 Degree = 0° 15' 00.35"  
 Tangent = 239.2768'  
 Length = 478.5362'  
 Radius = 22,909.3120'  
 External = 1.2495'  
 Long Chord = 478.5275'  
 Mid. Ord. = 1.2495'  
 P.C. Station 56+56.17 N 2,063,381.4063 E 1,086,865.5104  
 P.T. Station 61+34.71 N 2,062,950.8574 E 1,086,656.6656  
 C.C. N 2,053,168.3163 E 1,107,372.3231

Course from PT NBR4 to PC NBR5 S 25° 16' 40.99" W Dist 0.0061'

Curve Data  
 \*\*\*\*\*

**Curve NBR5**  
 P.I. Station 63+74.19 N 2,062,734.3089 E 1,086,554.4051  
 Delta = 1° 11' 48.67" (RT)  
 Degree = 0° 14' 59.65"  
 Tangent = 239.4734'  
 Length = 478.9294'  
 Radius = 22,927.3120'  
 External = 1.2506'  
 Long Chord = 478.9207'  
 Mid. Ord. = 1.2505'  
 P.C. Station 61+34.72 N 2,062,950.8518 E 1,086,656.6630  
 P.T. Station 66+13.65 N 2,062,519.9491 E 1,086,447.6464  
 C.C. N 2,072,741.0791 E 1,065,924.7291

Course from PT NBR5 to PC NBR6 S 26° 28' 29.67" W Dist 415.0058'

Curve Data  
 \*\*\*\*\*

**Curve NBR6**  
 P.I. Station 72+68.12 N 2,061,934.1124 E 1,086,155.8793  
 Delta = 1° 11' 48.53" (RT)  
 Degree = 0° 14' 59.65"  
 Tangent = 239.4655'  
 Length = 478.9136'  
 Radius = 22,927.3120'  
 External = 1.2505'  
 Long Chord = 478.9049'  
 Mid. Ord. = 1.2505'  
 P.C. Station 70+28.65 N 2,062,148.4651 E 1,086,262.6344  
 P.T. Station 75+07.57 N 2,061,722.0363 E 1,086,044.6703  
 C.C. N 2,072,369.5951 E 1,065,739.7170

Course from PT NBR6 to PC NBR7 S 27° 40' 18.16" W Dist 0.0011'

Curve Data  
 \*\*\*\*\*

**Curve NBR7**  
 P.I. Station 77+46.86 N 2,061,510.1149 E 1,085,933.5425  
 Delta = 1° 11' 48.75" (LT)  
 Degree = 0° 15' 00.35"  
 Tangent = 239.2896'  
 Length = 478.5618'  
 Radius = 22,909.3120'  
 External = 1.2497'  
 Long Chord = 478.5531'  
 Mid. Ord. = 1.2496'  
 P.C. Station 75+07.57 N 2,061,722.0352 E 1,086,044.6697  
 P.T. Station 79+86.13 N 2,061,295.9196 E 1,085,826.8660  
 C.C. N 2,051,082.8357 E 1,106,333.6818

Course from PT NBR7 to PC NBR8 S 26° 28' 29.45" W Dist 1,237.4351'

Curve Data  
 \*\*\*\*\*

**Curve NBR8**  
 P.I. Station 98+38.18 N 2,059,638.0963 E 1,085,001.2142  
 Delta = 12° 15' 52.33" (LT)  
 Degree = 1° 00' 05.66"  
 Tangent = 614.6121'  
 Length = 1,224.5271'  
 Radius = 5,720.5780'  
 External = 32.9219'  
 Long Chord = 1,222.1906'  
 Mid. Ord. = 32.7335'  
 P.C. Station 92+23.56 N 2,060,188.2542 E 1,085,275.2114  
 P.T. Station 104+48.09 N 2,059,042.2906 E 1,084,850.3381  
 C.C. N 2,057,637.9924 E 1,090,395.8732

Course from PT NBR8 to PC NBR9 S 14° 12' 37.12" W Dist 2,059.6043'

Curve Data  
 \*\*\*\*\*

**Curve NBR9**  
 P.I. Station 133+66.27 N 2,056,213.4035 E 1,084,133.9778  
 Delta = 46° 11' 37.70" (LT)  
 Degree = 2° 50' 45.60"  
 Tangent = 858.5757'  
 Length = 1,623.1135'  
 Radius = 2,013.2040'  
 External = 175.4354'  
 Long Chord = 1,579.5091'  
 Mid. Ord. = 161.3730'  
 P.C. Station 125+07.70 N 2,057,045.7077 E 1,084,344.7426  
 P.T. Station 141+30.81 N 2,055,485.1590 E 1,084,588.7438  
 C.C. N 2,056,551.5027 E 1,086,296.3449

Course from PT NBR9 to 102 S 31° 59' 00.58" E Dist 352.9334'

Point 102 N 2,055,185.8006 E 1,084,775.6838 Sta 144+83.74

Course from 102 to 103 S 33° 24' 56.12" E Dist 360.1125'

Equation: Sta 148+43.85 (BK) = Sta 11+02.65 (AH) -----  
 End Region 1  
 Begin Region 2

Point 103 N 2,054,885.2154 E 1,084,974.0006 Sta 11+02.65

Course from 103 to PC NBR10 S 31° 59' 00.58" E Dist 793.5650'

Equation: Sta 18+96.21 (BK) = Sta 156+37.42 (AH) -----  
 End Region 2  
 Begin Region 3

Curve Data  
 \*\*\*\*\*

**Curve NBR10**  
 P.I. Station 158+61.94 N 2,054,021.6707 E 1,085,513.2574  
 Delta = 6° 41' 47.49" (RT)  
 Degree = 1° 29' 34.67"  
 Tangent = 224.5250'  
 Length = 448.5388'  
 Radius = 3,837.7190'  
 External = 6.5623'  
 Long Chord = 448.2835'  
 Mid. Ord. = 6.5511'  
 P.C. Station 156+37.42 N 2,054,212.1130 E 1,085,394.3321  
 P.T. Station 160+85.96 N 2,053,818.6597 E 1,085,609.1637  
 C.C. N 2,052,179.3695 E 1,082,139.1761

Curve Data  
 \*\*\*\*\*

**Curve NBR11**  
 P.I. Station 164+77.13 N 2,053,464.9736 E 1,085,776.2520  
 Delta = 13° 11' 29.51" (RT)  
 Degree = 1° 41' 37.18"  
 Tangent = 391.1680'  
 Length = 778.8770'  
 Radius = 3,382.9557'  
 External = 22.5401'  
 Long Chord = 777.1578'  
 Mid. Ord. = 22.3909'  
 P.C. Station 160+85.96 N 2,053,818.6597 E 1,085,609.1637  
 P.T. Station 168+64.84 N 2,053,082.4896 E 1,085,858.2176  
 C.C. N 2,052,373.6226 E 1,082,550.3638

Course from PT NBR11 to 108 S 12° 05' 43.58" E Dist 390.2734'

Point 108 N 2,052,700.8802 E 1,085,939.9958 Sta 172+55.11

Ending chain IL21NB description  
 =====

Chain IL21SB contains:  
 CUR SBR3 CUR SBR4 CUR SBR5 CUR SBR6 CUR SBR7 CUR SBR8 CUR SBR9 54 CUR  
 SBR10 CUR SBR11 61

Beginning chain IL21SB description  
 =====

Curve Data  
 \*\*\*\*\*

**Curve SBR3**  
 P.I. Station 2+94.78 N 2,068,189.5225 E 1,089,240.0070  
 Delta = 2° 56' 41.34" (LT)  
 Degree = 0° 29' 58.59"  
 Tangent = 294.7778'  
 Length = 589.4258'  
 Radius = 11,468.1560'  
 External = 3.7879'  
 Long Chord = 589.3609'  
 Mid. Ord. = 3.7866'  
 P.C. Station 0+00.00 N 2,068,446.2873 E 1,089,384.8027  
 P.T. Station 5+89.43 N 2,067,925.6581 E 1,089,108.5935  
 C.C. N 2,062,813.0947 E 1,099,374.0841

Course from PT SBR3 to PC SBR4 S 26° 28' 29.52" W Dist 5,067.6742'

Curve Data  
 \*\*\*\*\*

**Curve SBR4**  
 P.I. Station 58+96.56 N 2,063,175.0787 E 1,086,742.6434  
 Delta = 1° 11' 48.52" (LT)  
 Degree = 0° 14' 59.65"  
 Tangent = 239.4648'  
 Length = 478.9122'  
 Radius = 22,927.3120'  
 External = 1.2505'  
 Long Chord = 478.9035'  
 Mid. Ord. = 1.2504'  
 P.C. Station 56+57.10 N 2,063,389.4308 E 1,086,849.3981  
 P.T. Station 61+36.01 N 2,062,958.5436 E 1,086,640.3892  
 C.C. N 2,053,168.3163 E 1,107,372.3231

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 200.0000' / IN.		CHECKED - GFL	REVISED -						CONTRACT NO. 60953				
PLOT DATE = 7/8/2011		DATE - 12/17/10	REVISED -						SCALE:	SHEET NO.	OF	SHEETS	STA.

Curve Data  
\*-----\*

**Curve SBR5**  
**P.I. Station 63+75.30 N 2,062,742.1651 E 1,086,538.2089**  
Delta = 1° 11' 48.67" (RT)  
Degree = 0° 15' 00.35"  
Tangent = 239.2854'  
Length = 478.5534'  
Radius = 22,909.3120'  
External = 1.2496'  
Long Chord = 478.5447'  
Mid. Ord. = 1.2496'  
**P.C. Station 61+36.02 N 2,062,958.5380 E 1,086,640.3866**  
**P.T. Station 66+14.57 N 2,062,527.9736 E 1,086,431.5341**  
C.C. N 2,072,741.0791 E 1,065,924.7291

Course from PT SBR5 to PC SBR6 S 26° 28' 29.67" W Dist 415.0058'

Curve Data  
\*-----\*

**Curve SBR6**  
**P.I. Station 72+68.86 N 2,061,942.3052 E 1,086,139.8507**  
Delta = 1° 11' 48.53" (RT)  
Degree = 0° 15' 00.35"  
Tangent = 239.2775'  
Length = 478.5376'  
Radius = 22,909.3120'  
External = 1.2495'  
Long Chord = 478.5289'  
Mid. Ord. = 1.2495'  
**P.C. Station 70+29.58 N 2,062,156.4896 E 1,086,246.5221**  
**P.T. Station 75+08.12 N 2,061,730.3955 E 1,086,028.7291**  
C.C. N 2,072,369.5951 E 1,065,739.7170

Course from PT SBR6 to PC SBR7 S 27° 40' 18.16" W Dist 0.0011'

Curve Data  
\*-----\*

**Curve SBR7**  
**P.I. Station 77+47.59 N 2,061,518.3077 E 1,085,917.5139**  
Delta = 1° 11' 48.75" (LT)  
Degree = 0° 14' 59.65"  
Tangent = 239.4776'  
Length = 478.9378'  
Radius = 22,927.3120'  
External = 1.2506'  
Long Chord = 478.9291'  
Mid. Ord. = 1.2506'  
**P.C. Station 75+08.12 N 2,061,730.3945 E 1,086,028.7285**  
**P.T. Station 79+87.05 N 2,061,303.9441 E 1,085,810.7536**  
C.C. N 2,051,082.8357 E 1,106,333.6818

Course from PT SBR7 to PC SBR8 S 26° 28' 29.45" W Dist 1,237.4351'

Curve Data  
\*-----\*

**Curve SBR8**  
**P.I. Station 98+41.04 N 2,059,644.3897 E 1,084,984.2398**  
Delta = 12° 15' 52.33" (LT)  
Degree = 0° 59' 54.35"  
Tangent = 616.5460'  
Length = 1,228.3801'  
Radius = 5,738.5780'  
External = 33.0255'  
Long Chord = 1,226.0363'  
Mid. Ord. = 32.8365'  
**P.C. Station 92+24.49 N 2,060,196.2787 E 1,085,259.0990**  
**P.T. Station 104+52.87 N 2,059,046.7092 E 1,084,832.8889**  
C.C. N 2,057,637.9924 E 1,090,395.8732

Course from PT SBR8 to PC SBR9 S 14° 12' 37.12" W Dist 2,059.6043'

Curve Data  
\*-----\*

**Curve SBR9**  
**P.I. Station 133+72.95 N 2,056,215.9795 E 1,084,116.0620**  
Delta = 45° 55' 04.18" (LT)  
Degree = 2° 49' 14.81"  
Tangent = 860.4765'  
Length = 1,627.8420'  
Radius = 2,031.2040'  
External = 174.7447'  
Long Chord = 1,584.6274'  
Mid. Ord. = 160.9022'  
**P.C. Station 125+12.47 N 2,057,050.1264 E 1,084,327.2934**  
**P.T. Station 141+40.32 N 2,055,483.9358 E 1,084,568.3140**  
C.C. N 2,056,551.5027 E 1,086,296.3449

Course from PT SBR9 to 54 S 31° 42' 27.06" E Dist 627.7244'

Point 54 N 2,054,949.9042 E 1,084,898.2355 Sta 147+68.04

Course from 54 to PC SBR10 S 31° 59' 00.58" E Dist 888.5650'

Curve Data  
\*-----\*

**Curve SBR10**  
**P.I. Station 157+79.48 N 2,054,092.0018 E 1,085,433.9688**  
Delta = 3° 41' 47.49" (RT)  
Degree = 1° 30' 17.02"  
Tangent = 122.8730'  
Length = 245.6608'  
Radius = 3,807.7190'  
External = 1.9820'  
Long Chord = 245.6182'  
Mid. Ord. = 1.9810'  
**P.C. Station 156+56.60 N 2,054,196.2227 E 1,085,368.8861**  
**P.T. Station 159+02.27 N 2,053,983.8016 E 1,085,492.1969**  
C.C. N 2,052,179.3695 E 1,082,139.1761

Curve Data  
\*-----\*

**Curve SBR11**  
**P.I. Station 164+65.41 N 2,053,487.9013 E 1,085,759.0662**  
Delta = 16° 11' 29.51" (RT)  
Degree = 1° 26' 50.04"  
Tangent = 563.1485'  
Length = 1,118.7916'  
Radius = 3,958.9855'  
External = 39.8521'  
Long Chord = 1,115.0725'  
Mid. Ord. = 39.4550'  
**P.C. Station 159+02.27 N 2,053,983.8016 E 1,085,492.1969**  
**P.T. Station 170+21.06 N 2,052,937.2547 E 1,085,877.0687**  
C.C. N 2,052,107.6861 E 1,082,005.9730

Course from PT SBR11 to 61 S 12° 05' 43.58" E Dist 244.3127'

Point 61 N 2,052,698.3658 E 1,085,928.2622 Sta 172+65.37

Ending chain IL21SB description

Chain IL137EB contains:  
301 303 305 306 308 310 311

Beginning chain IL137EB description

Point 301 N 2,054,395.8310 E 1,084,053.7885 Sta 0+00.00

Course from 301 to 303 S 89° 51' 07.98" E Dist 314.8400'

Point 303 N 2,054,395.0189 E 1,084,368.6275 Sta 3+14.84

Course from 303 to 305 S 88° 25' 12.43" E Dist 520.1625'

Point 305 N 2,054,380.6778 E 1,084,888.5922 Sta 8+35.00

Course from 305 to 306 S 89° 51' 07.98" E Dist 349.8890'

Point 306 N 2,054,379.7753 E 1,085,238.4800 Sta 11+84.89

Course from 306 to 308 S 89° 20' 45.04" E Dist 399.9431'

Point 308 N 2,054,375.2092 E 1,085,638.3971 Sta 15+84.83

Course from 308 to 310 N 89° 13' 19.41" E Dist 584.1825'

Point 310 N 2,054,383.1407 E 1,086,222.5257 Sta 21+69.02

Course from 310 to 311 S 89° 20' 45.04" E Dist 211.5679'

Point 311 N 2,054,380.7253 E 1,086,434.0798 Sta 23+80.58

Ending chain IL137EB description

Chain IL137WB contains:  
401 402 403 404 405 406 407

Beginning chain IL137WB description

Point 401 N 2,054,407.8310 E 1,084,053.8195 Sta 0+00.00

Course from 401 to 402 S 89° 51' 07.98" E Dist 334.8400'

Point 402 N 2,054,406.9673 E 1,084,388.6584 Sta 3+34.84

Course from 402 to 403 N 89° 34' 29.44" E Dist 500.0250'

Point 403 N 2,054,410.6777 E 1,084,888.6696 Sta 8+34.86

Course from 403 to 404 S 89° 51' 07.98" E Dist 350.0216'

Point 404 N 2,054,409.7748 E 1,085,238.6900 Sta 11+84.89

Course from 404 to 405 S 89° 20' 45.04" E Dist 400.0757'

Point 405 N 2,054,405.2072 E 1,085,638.7396 Sta 15+84.96

Course from 405 to 406 S 88° 46' 22.46" E Dist 540.0270'

Point 406 N 2,054,393.6424 E 1,086,178.6427 Sta 21+24.99

Course from 406 to 407 S 89° 20' 45.04" E Dist 255.5679'

Point 407 N 2,054,390.7246 E 1,086,434.1939 Sta 23+80.56

Ending chain IL137WB description

Chain MERIT contains:  
2101 2102

Beginning chain MERIT description

Point 2101 N 2,062,529.2534 E 1,086,442.2250 Sta 0+00.00

Course from 2101 to 2102 N 63° 45' 03.13" W Dist 150.0000'

Point 2102 N 2,062,595.5947 E 1,086,307.6931 Sta 1+50.00

Ending chain MERIT description

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11\102\01\cadd sheets\alt-align-004.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	37
PLOT SCALE = 200.0000' / IN.		CHECKED - GFL	REVISED -		CONTRACT NO. 60953								
PLOT DATE = 7/8/2011		DATE - 12/17/10	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

Chain EGIDI contains:  
2303 CUR EGIDIR1 2301

Beginning chain EGIDI description

Point 2303 N 2,061,616.2207 E 1,085,636.6686 Sta 526+27.59

Course from 2303 to PC EGIDIR1 N 80° 13' 48.66" E Dist 185.2600'

Curve Data

Curve EGIDIR1

P.I. Station 528+67.71 N 2,061,656.9653 E 1,085,873.2980

Delta = 49° 07' 48.00" (RT)

Degree = 47° 44' 47.34"

Tangent = 54.8516'

Length = 102.8976'

Radius = 120.0000'

External = 11.9420'

Long Chord = 99.7741'

Mid. Ord. = 10.8612'

P.C. Station 528+12.85 N 2,061,647.6575 E 1,085,819.2419

P.T. Station 529+15.75 N 2,061,622.1788 E 1,085,915.7079

C.C. N 2,061,529.3978 E 1,085,839.6047

Course from PT EGIDIR1 to 2301 S 50° 38' 23.34" E Dist 60.6584'

Point 2301 N 2,061,583.7097 E 1,085,962.6074 Sta 529+76.41

Ending chain EGIDI description

Chain CASEY contains:

2402 2401

Beginning chain CASEY description

Point 2402 N 2,059,702.0586 E 1,084,369.8378 Sta 513+00.00

Course from 2402 to 2401 S 89° 41' 31.42" E Dist 679.7600'

Point 2401 N 2,059,698.4052 E 1,085,049.5882 Sta 519+79.76

Ending chain CASEY description

Chain PEA4 contains:

2690 CUR PEA4R1 CUR PEA4R2

Beginning chain PEA4 description

Point 2690 N 2,058,159.8269 E 1,084,617.5874 Sta 10+00.00

Course from 2690 to PC PEA4R1 N 75° 47' 22.88" W Dist 54.6863'

Curve Data

Curve PEA4R1

P.I. Station 10+83.53 N 2,058,180.3330 E 1,084,536.6095

Delta = 59° 57' 57.20" (RT)

Degree = 114° 35' 29.61"

Tangent = 28.8477'

Length = 52.3301'

Radius = 50.0000'

External = 7.7251'

Long Chord = 49.9742'

Mid. Ord. = 6.6913'

P.C. Station 10+54.69 N 2,058,173.2514 E 1,084,564.5744

P.T. Station 11+07.02 N 2,058,208.0875 E 1,084,528.7433

C.C. N 2,058,221.7215 E 1,084,576.8485

Course from PT PEA4R1 to PC PEA4R2 N 15° 53' 57.88" W Dist 82.1698'

Curve Data

Curve PEA4R2

P.I. Station 12+11.01 N 2,058,308.4527 E 1,084,501.6779

Delta = 47° 09' 07.90" (LT)

Degree = 114° 35' 29.61"

Tangent = 21.8196'

Length = 41.1481'

Radius = 50.0000'

External = 4.5536'

Long Chord = 39.9967'

Mid. Ord. = 4.1735'

P.C. Station 11+89.19 N 2,058,287.1138 E 1,084,506.2329

P.T. Station 12+30.33 N 2,058,319.6246 E 1,084,482.9354

C.C. N 2,058,276.6758 E 1,084,457.3346

Ending chain PEA4 description

Chain BROOKHILL contains:

3212 CUR BROOK1 3201

Beginning chain BROOKHILL description

Point 3212 N 2,056,678.3280 E 1,083,782.9200 Sta 505+02.91

Course from 3212 to PC BROOK1 N 85° 08' 51.43" E Dist 163.6639'

Curve Data

Curve BROOK1

P.I. Station 507+53.91 N 2,056,699.5592 E 1,084,033.0136

Delta = 13° 13' 52.89" (RT)

Degree = 7° 36' 33.86"

Tangent = 87.3293'

Length = 173.8816'

Radius = 752.9600'

External = 5.0474'

Long Chord = 173.4955'

Mid. Ord. = 5.0138'

P.C. Station 506+66.58 N 2,056,692.1721 E 1,083,945.9973

P.T. Station 508+40.46 N 2,056,686.8336 E 1,084,119.4107

C.C. N 2,055,941.9108 E 1,084,009.6893

Course from PT BROOK1 to 3201 S 81° 37' 15.68" E Dist 159.5418'

Point 3201 N 2,056,663.5852 E 1,084,277.2495 Sta 510+00.00

Ending chain BROOKHILL description

Chain JANAS contains:

3502 3501

Beginning chain JANAS description

Point 3502 N 2,055,742.5045 E 1,084,237.3208 Sta 498+00.00

Course from 3502 to 3501 N 60° 47' 38.43" E Dist 191.9700'

Point 3501 N 2,055,836.1765 E 1,084,404.8858 Sta 499+91.97

Ending chain JANAS description

Chain CATER contains:

8000 8001

Beginning chain CATER description

Point 8000 N 2,054,978.1155 E 1,084,894.7660 Sta 10+00.00

Course from 8000 to 8001 S 58° 00' 59.42" W Dist 141.8956'

Point 8001 N 2,054,902.9569 E 1,084,774.4100 Sta 11+41.90

Ending chain CATER description

Chain ADLER contains:

4902 4901

Beginning chain ADLER description

Point 4902 N 2,053,584.5431 E 1,085,422.1814 Sta 7+50.00

Course from 4902 to 4901 N 73° 01' 22.91" E Dist 250.0000'

Point 4901 N 2,053,657.5399 E 1,085,661.2870 Sta 10+00.00

Ending chain ADLER description

Chain FINSTAD contains:

5302 5301

Beginning chain FINSTAD description

Point 5302 N 2,052,948.5644 E 1,085,573.8174 Sta 7+00.00

Course from 5302 to 5301 N 77° 22' 36.41" E Dist 300.0000'

Point 5301 N 2,053,014.1260 E 1,085,866.5659 Sta 10+00.00

Ending chain FINSTAD description

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
h:\102901\cadd\sheet\align-005.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	38
		CHECKED - GFL	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60953				
		DATE - 12/17/10	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

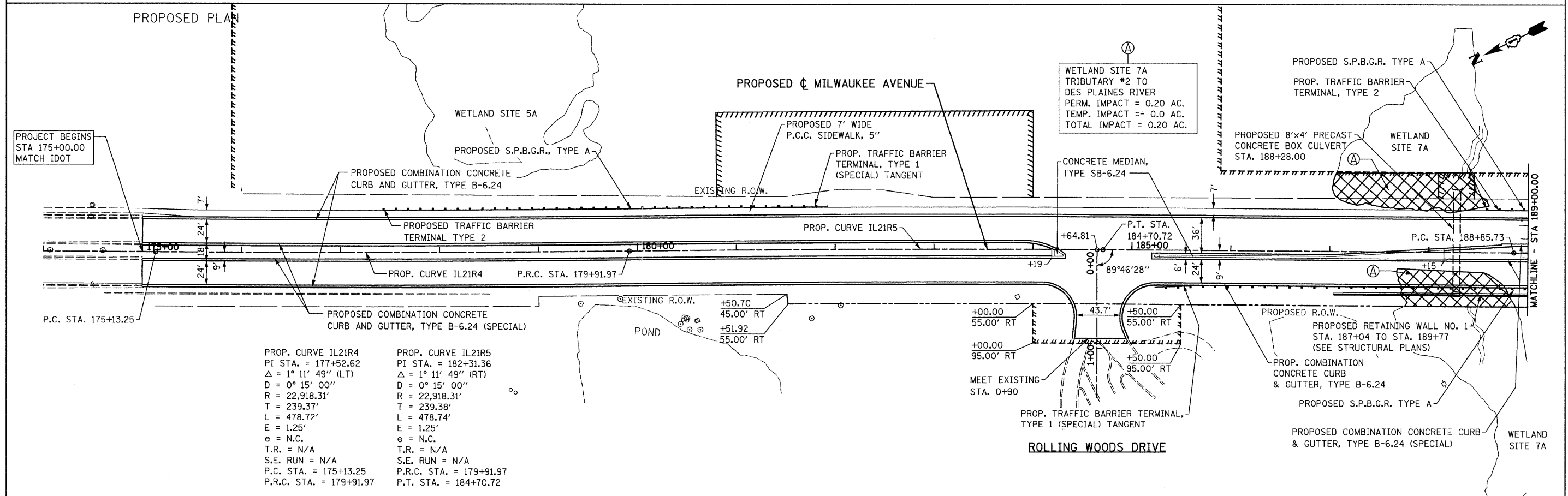
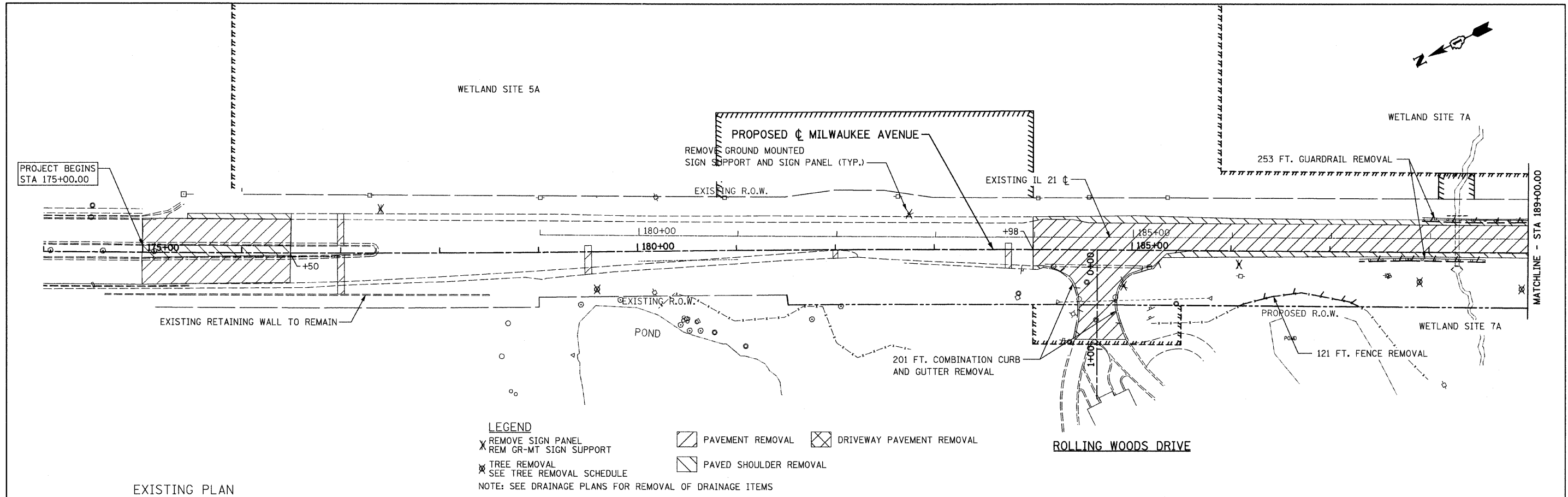
PLAT TO PLAN COORDINATE TRANSLATION TABLE								
ROAD NAME	PLAN				PLAT			
	LABEL	STATION	NORTHING	EASTING	LABEL	STATION	NORTHING	EASTING
MILWAUKEE	POINT 10	33+00.00	2,075,822.297	1,093,674.954	N/A			
	CURVE IL21R1 P.I.	45+74.83	2,074,862.323	1,092,836.120	N/A			
	CURVE IL21R1 P.C.	40+95.63	2,075,223.171	1,093,151.433	N/A			
	CURVE IL21R1 P.T.	50+49.69	2,074,438.394	1,092,612.698	N/A			
	CURVE IL21R2 P.I.	99+98.36	2,070,060.509	1,090,305.433	N/A			
	CURVE IL21R2 P.C.	98+35.42	2,070,204.650	1,090,381.399	N/A			
	CURVE IL21R2 P.T.	101+61.27	2,069,918.586	1,090,225.400	N/A			
	CURVE IL21R3 P.I.	121+51.16	2,068,185.303	1,089,247.960	N/A			
	CURVE IL21R3 P.C.	118+56.61	2,068,441.866	1,089,392.642	N/A			
	CURVE IL21R3 P.T.	124+45.58	2,067,921.646	1,089,116.650	N/A			
	CURVE IL21R4 P.I.	177+52.62	2,063,171.151	1,086,750.742	N/A			
	CURVE IL21R4 P.C.	175+13.25	2,063,385.419	1,086,857.454	N/A			
	CURVE IL21R4 P.T.	179+91.97	2,062,954.701	1,086,648.527	N/A			
	CURVE IL21R5 P.I.	182+31.36	2,062,738.237	1,086,546.307	5003	365+40.74	2,062,647.104	1,086,499.140
	CURVE IL21R5 P.C.	179+91.98	2,062,954.695	1,086,648.525	5002	367+80.09	2,062,863.551	1,086,601.353
	CURVE IL21R5 P.T.	184+70.72	2,062,523.961	1,086,439.590	5004	363+01.37	2,062,432.838	1,086,392.428
	CURVE IL21R6 P.I.	191+25.10	2,061,938.209	1,086,147.865	5006	356+47.04	2,061,847.112	1,086,100.716
	CURVE IL21R6 P.C.	188+85.73	2,062,152.477	1,086,254.578	5005	358+86.39	2,062,061.371	1,086,207.424
	CURVE IL21R6 P.T.	193+64.45	2,061,726.216	1,086,036.700	5007	354+07.68	2,061,635.128	1,085,989.555
	CURVE IL21R7 P.I.	196+03.84	2,061,514.211	1,085,925.528	5008	351+68.33	2,061,423.134	1,085,878.390
	CURVE IL21R7 P.C.	193+64.45	2,061,726.215	1,086,036.700	5007	354+07.68	2,061,635.128	1,085,989.555
	CURVE IL21R7 P.T.	198+43.20	2,061,299.932	1,085,818.810	5009	349+28.96	2,061,208.864	1,085,771.676
	CURVE IL21R8 P.I.	216+96.22	2,059,641.243	1,084,992.727	5011	330+80.73	2,059,550.252	1,084,945.631
	CURVE IL21R8 P.C.	210+80.64	2,060,192.266	1,085,267.155	5010	336+91.58	2,060,101.250	1,085,220.047
	CURVE IL21R8 P.T.	223+07.09	2,059,044.500	1,084,841.614	5012	324+65.18	2,058,953.536	1,084,794.525
	CURVE IL21R9 P.I.	252+29.11	2,056,211.892	1,084,124.311	5014	296+37.75	2,056,121.059	1,084,077.255
	CURVE IL21R9 P.C.	243+66.70	2,057,047.917	1,084,336.018	5013	304+05.67	2,056,957.045	1,084,288.953
	CURVE IL21R9 P.T.	259+97.07	2,055,480.392	1,084,581.110	5015	287+75.38	2,055,389.592	1,084,534.033
	CURVE IL21R10 P.I.	281+73.24	2,053,634.562	1,085,733.773	5017	266+12.78	2,053,543.847	1,085,686.644
	CURVE IL21R10 P.C.	275+03.56	2,054,202.579	1,085,379.065	5016	272+68.95	2,054,111.838	1,085,331.951
	CURVE IL21R10 P.T.	288+29.44	2,052,979.756	1,085,874.097	5018	259+43.14	2,052,889.072	1,085,826.961
	POINT 21	291+15.93	2,052,699.623	1,085,934.129	N/A			
BUCKLEY	POINT 201	448+15.16	2,054,401.831	1,084,053.804	9308	448+15.24	2,054,311.081	1,084,006.807
	POINT 202	459+99.97	2,054,398.775	1,085,238.613	8078	460+00.00	2,054,308.025	1,085,191.558
	POINT 203	471+95.57	2,054,385.125	1,086,434.130	9309	471+95.54	2,054,294.375	1,086,387.025

NOTE: THE COORDINATE SYSTEM USED FOR THE RIGHT-OF-WAY PLATS IS DIFFERENT THAN THE COORDINATE SYSTEM USED ON THE PLANS. THE PROPOSED ALIGNMENT IS THE SAME ON BOTH BUT THE STATIONING IS DIFFERENT. THE TABLE GIVES THE CONVERSIONS.

B.M.; CHISLED BOX ON TOP OF S.E. WINGWALL OF BULL CREEK BRIDGE. ELEVATION 669.64

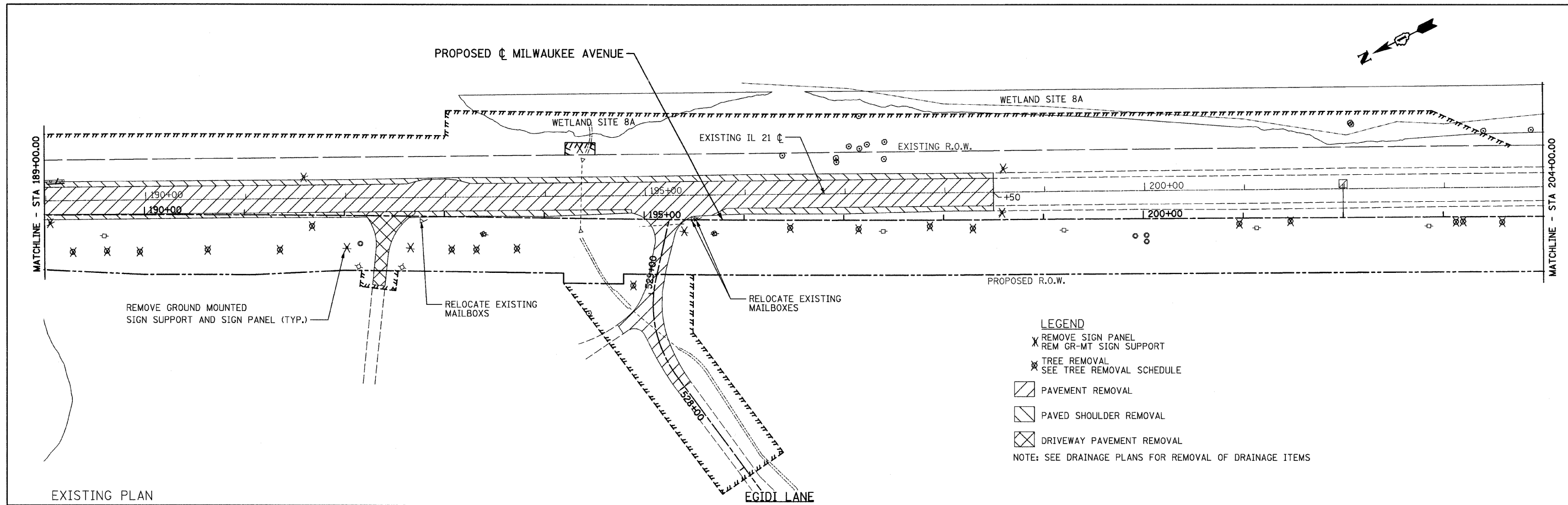
FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT TIES AND BENCHMARKS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\102981\CADD Sheets\shft-align-006.dgn		DRAWN - BK	REVISED -						330	128R-3	LAKE	518	39
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



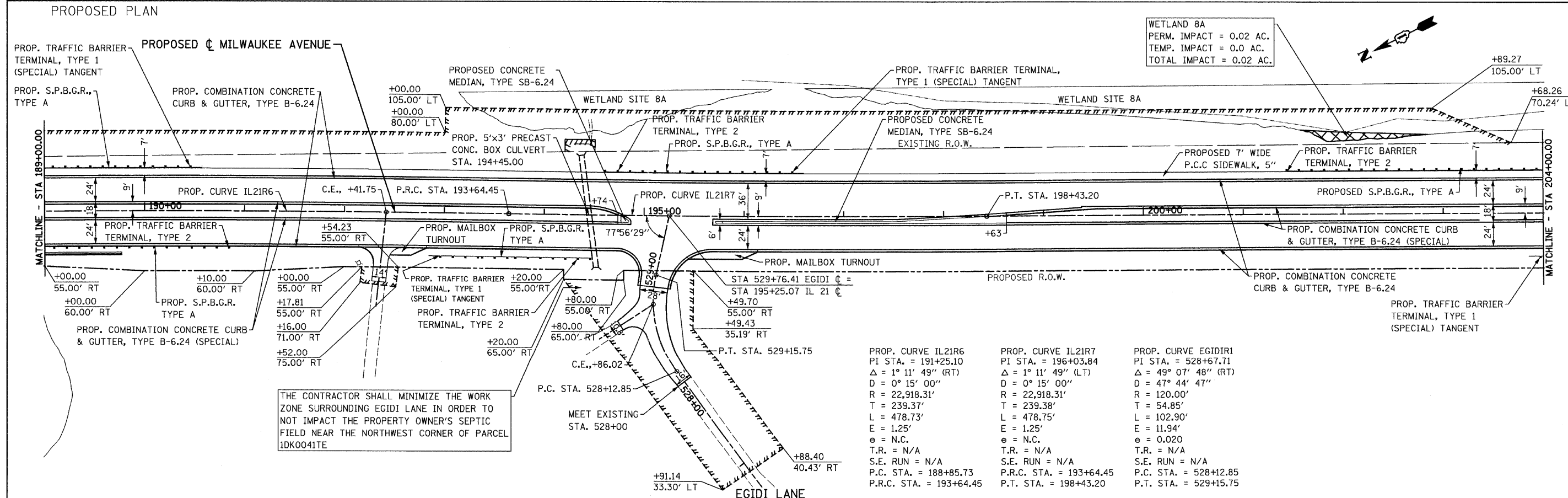


PROP. CURVE IL21R4 PI STA. = 177+52.62 Δ = 1° 11' 49" (LT) D = 0° 15' 00" R = 22,918.31' T = 239.37' L = 478.72' E = 1.25' e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 175+13.25 P.R.C. STA. = 179+91.97	PROP. CURVE IL21R5 PI STA. = 182+31.36 Δ = 1° 11' 49" (RT) D = 0° 15' 00" R = 22,918.31' T = 239.38' L = 478.74' E = 1.25' e = N.C. T.R. = N/A S.E. RUN = N/A P.R.C. STA. = 179+91.97 P.T. STA. = 184+70.72
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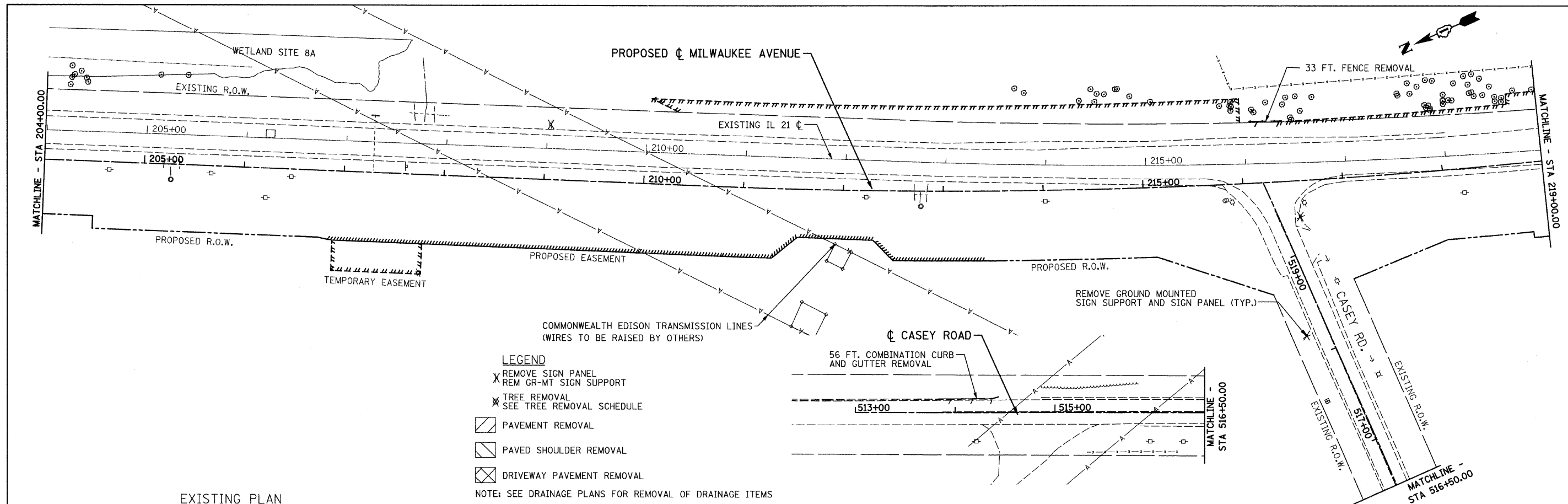
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PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISOR -	SCALE: 1" = 50'			SHEET NO. OF SHEETS	STA. 174+00.00 TO STA. 189+00.00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 60953
PLOT DATE = 8/11/2011	CHECKED - GFL	REVISOR -								
	DATE - 4/30/2011	REVISOR -								



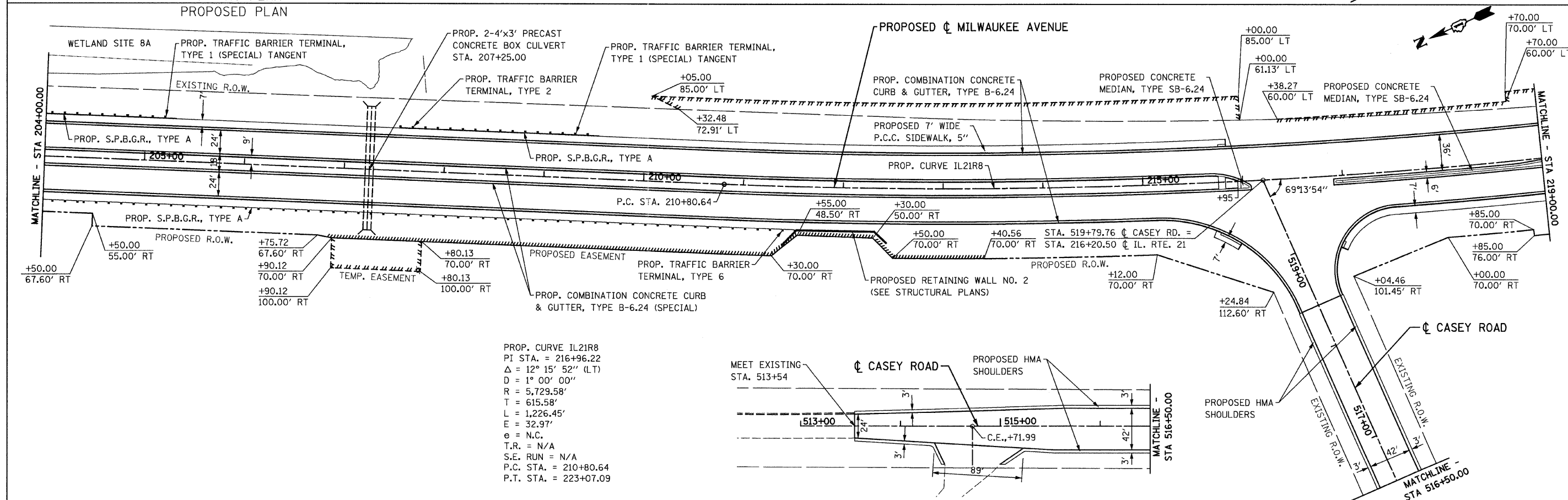
EXISTING PLAN  
PROPOSED PLAN



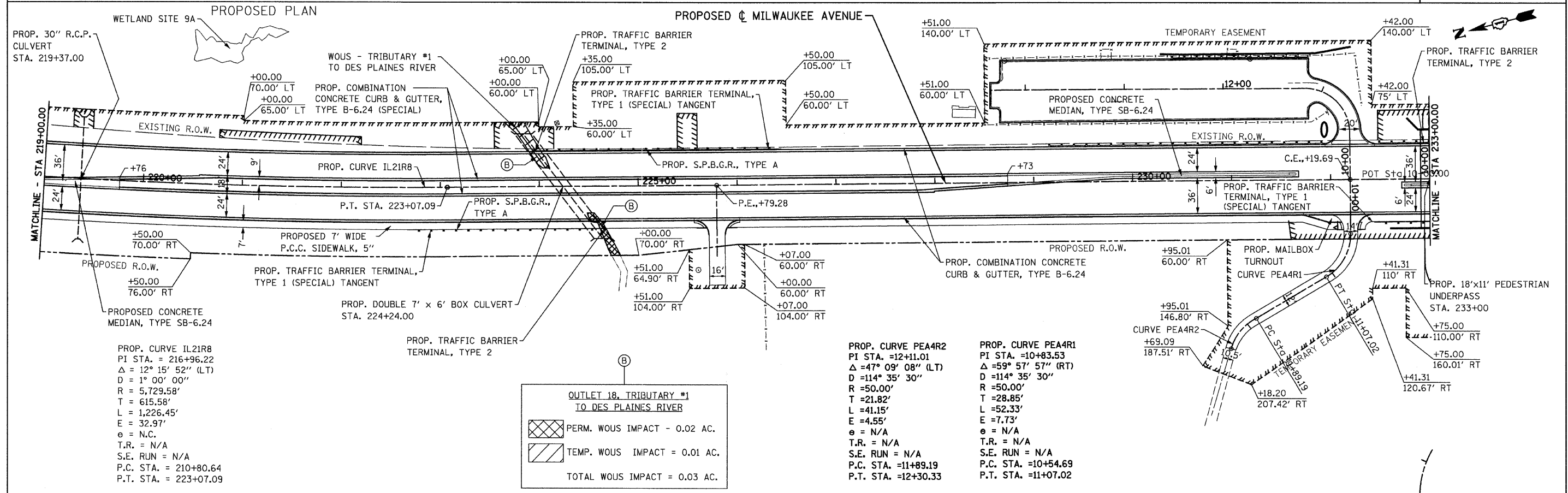
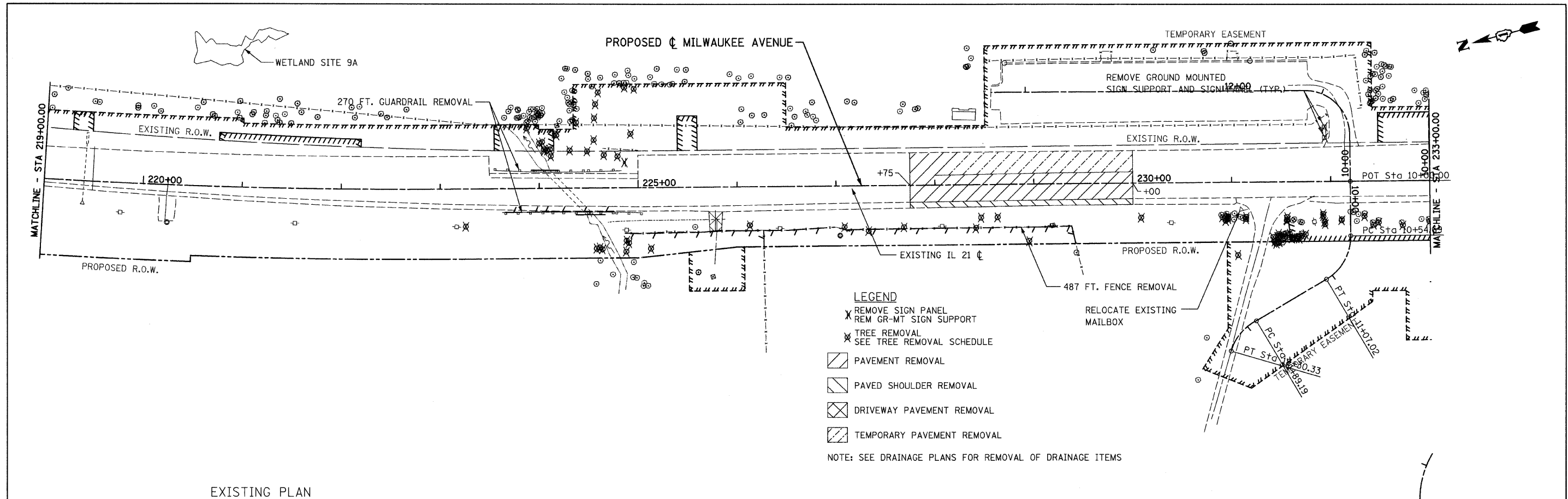
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PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISIONS -	SCALE: 1" = 50'			SHEET NO. OF SHEETS	STA. 189+00.00 TO STA. 204+00.00	CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	DATE = 4/30/2011	REVISIONS -	ILLINOIS FED. AID PROJECT									



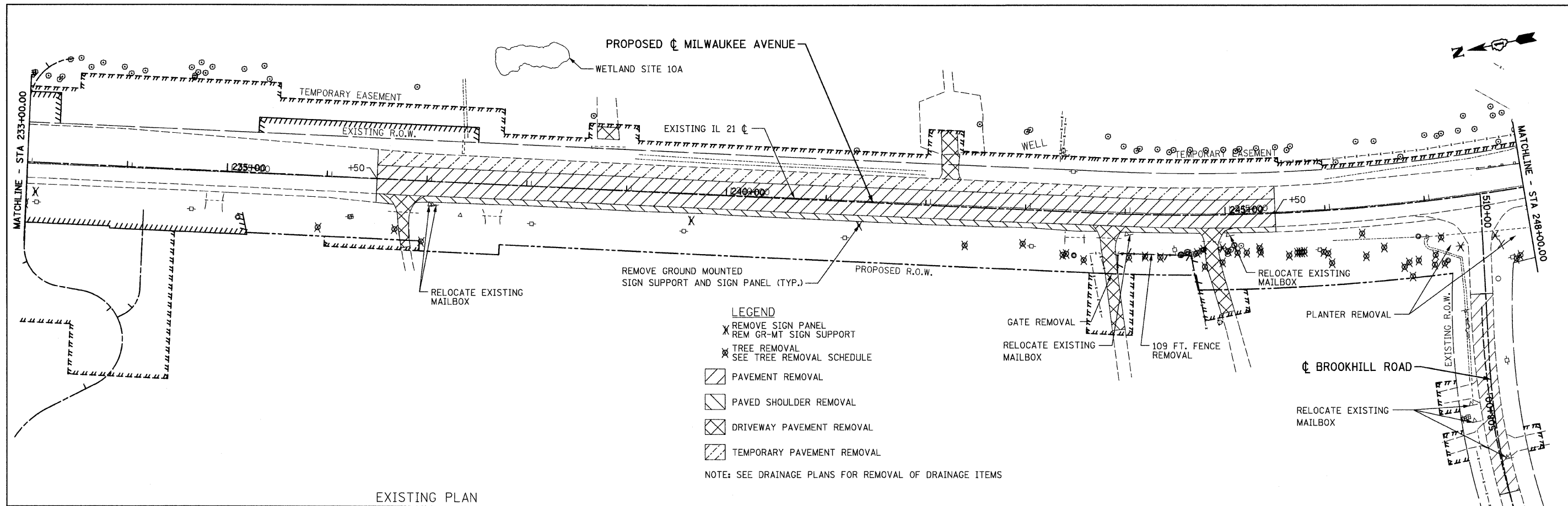
EXISTING PLAN  
PROPOSED PLAN



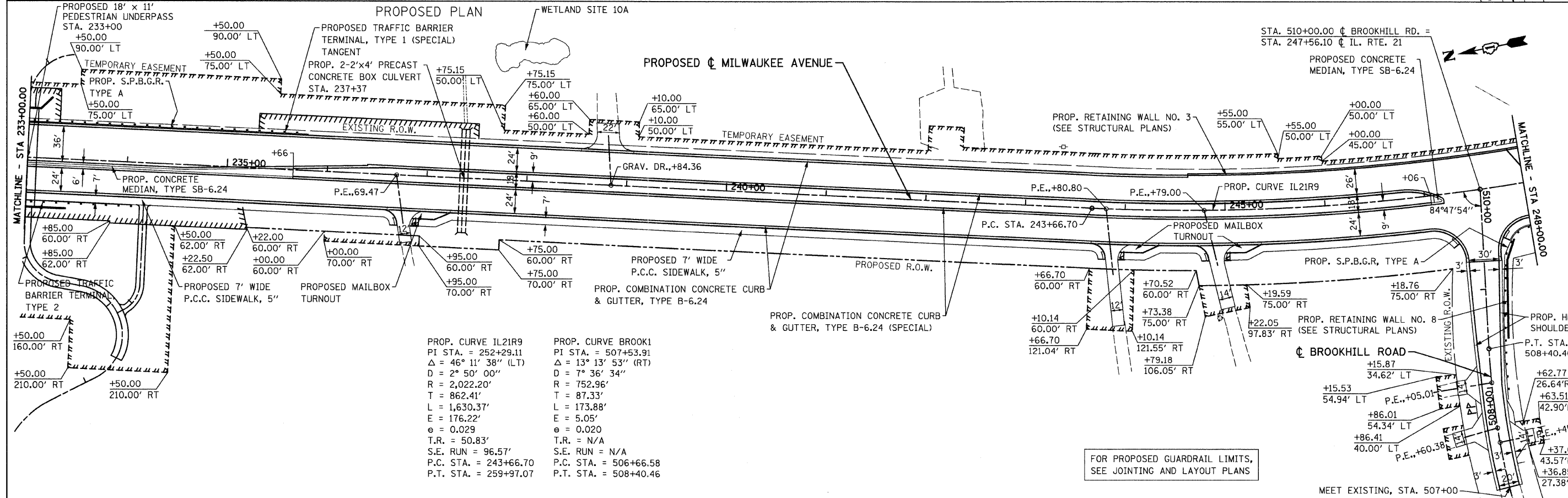
FILE NAME = 11\102901\cadd sheets\cadd\plan03.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. R.T.E. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 42		
PLOT SCALE = 50.0000 "/td> <td>CHECKED - GFL</td> <td>REVISED -</td> <td>SCALE: 1" = 50'</td> <td>SHEET NO. OF SHEETS</td> <td>STA. 204+00.00 TO STA. 219+00.00</td> <td colspan="5">ILLINOIS FED. AID PROJECT</td>	CHECKED - GFL	REVISED -	SCALE: 1" = 50'			SHEET NO. OF SHEETS	STA. 204+00.00 TO STA. 219+00.00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -						CONTRACT NO. 60953				



FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
11\102901\cadd sheets\sh-1plan04.dgn		DRAWN - BK	REVISED -			330	128R-3	LAKE	518	43	
		CHECKED - GFL	REVISED -			CONTRACT NO. 60953					
		DATE - 4/30/2011	REVISED -			ILLINOIS FED. AID PROJECT					



- LEGEND**
- X REMOVE SIGN PANEL  
REM GR-MT SIGN SUPPORT
  - ⊗ TREE REMOVAL  
SEE TREE REMOVAL SCHEDULE
  - ▨ PAVEMENT REMOVAL
  - ▧ PAVED SHOULDER REMOVAL
  - ⊠ DRIVEWAY PAVEMENT REMOVAL
  - ▩ TEMPORARY PAVEMENT REMOVAL
- NOTE: SEE DRAINAGE PLANS FOR REMOVAL OF DRAINAGE ITEMS



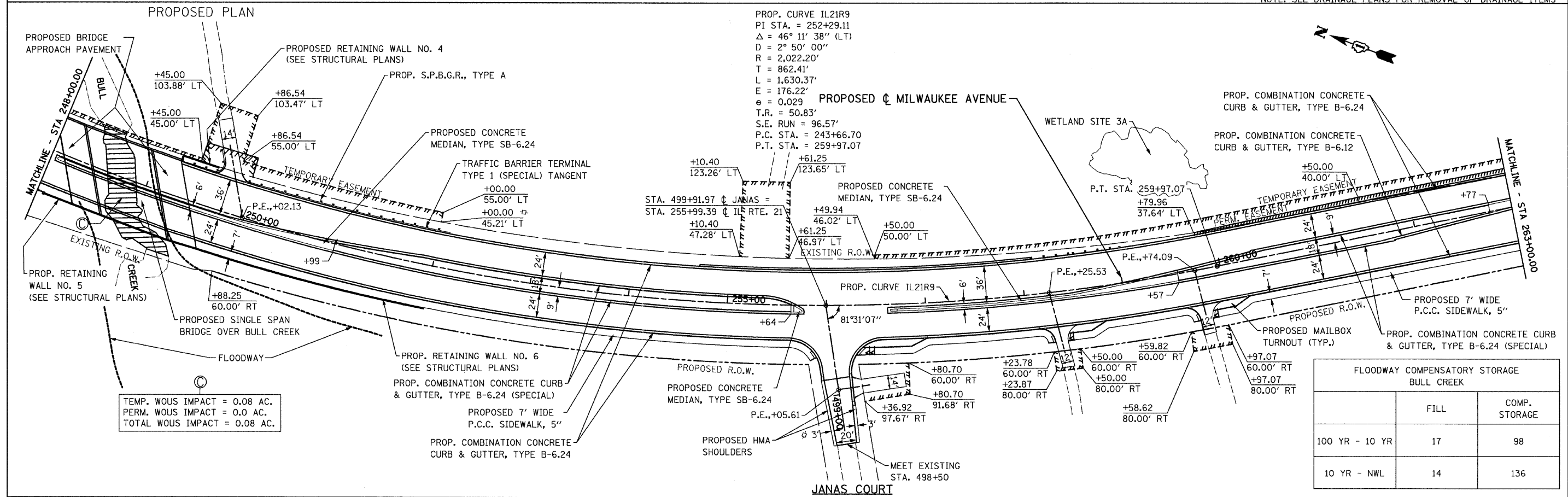
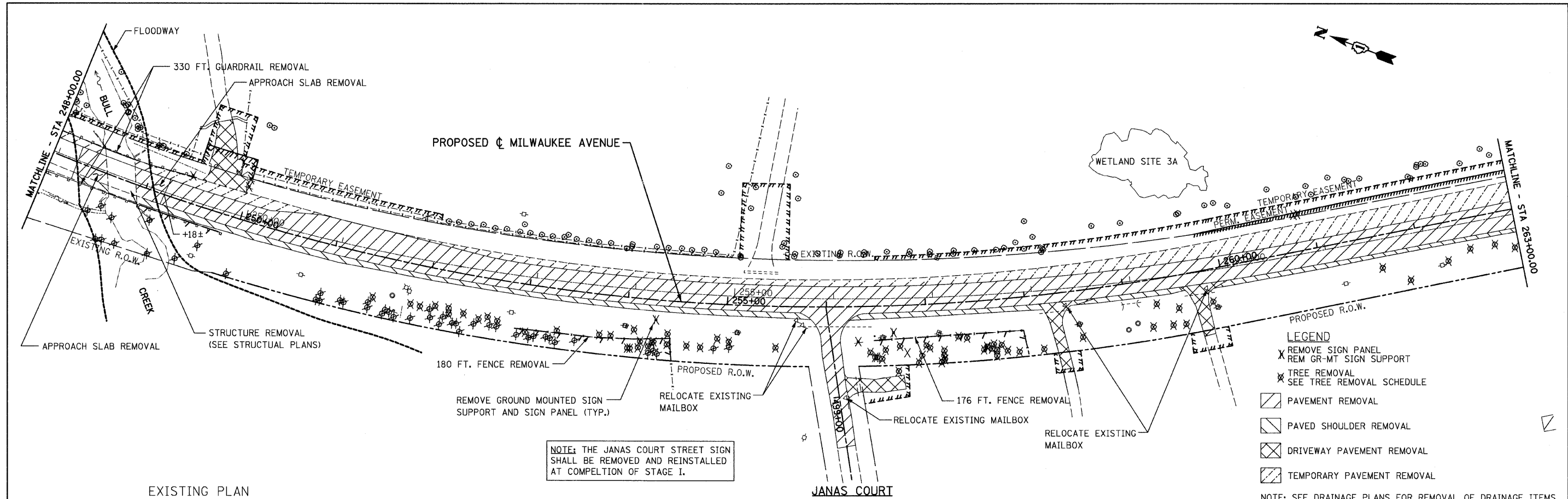
**PROP. CURVE IL21R9**  
 PI STA. = 252+29.11  
 $\Delta = 46^\circ 11' 38''$  (LT)  
 $D = 2^\circ 50' 00''$   
 $R = 2,022.20'$   
 $T = 862.41'$   
 $L = 1,630.37'$   
 $E = 176.22'$   
 $e = 0.029$   
 $T.R. = 50.83'$   
 $S.E. RUN = 96.57'$   
 $P.C. STA. = 243+66.70$   
 $P.T. STA. = 259+97.07$

**PROP. CURVE BROOK1**  
 PI STA. = 507+53.91  
 $\Delta = 13^\circ 13' 53''$  (RT)  
 $D = 7^\circ 36' 34''$   
 $R = 752.96'$   
 $T = 87.33'$   
 $L = 173.88'$   
 $E = 5.05'$   
 $e = 0.020$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 506+66.58$   
 $P.T. STA. = 508+40.46$

FOR PROPOSED GUARDRAIL LIMITS,  
 SEE JOINTING AND LAYOUT PLANS

FILE NAME = u:\102901\cadd sheets\hst-plan05.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE. = 330	SECTION = 128R-3	COUNTY = LAKE	TOTAL SHEETS = 518	SHEET NO. = 44	
PLOT SCALE = 50.0000' / IN.	DRAWN - BK	CHECKED - GFL	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 233+00.00 TO STA. 248+00.00	CONTRACT NO. 60953		ILLINOIS FED. AID PROJECT
PLOT DATE = 8/11/2011	DATE = 4/30/2011	REVISED -	REVISED -								

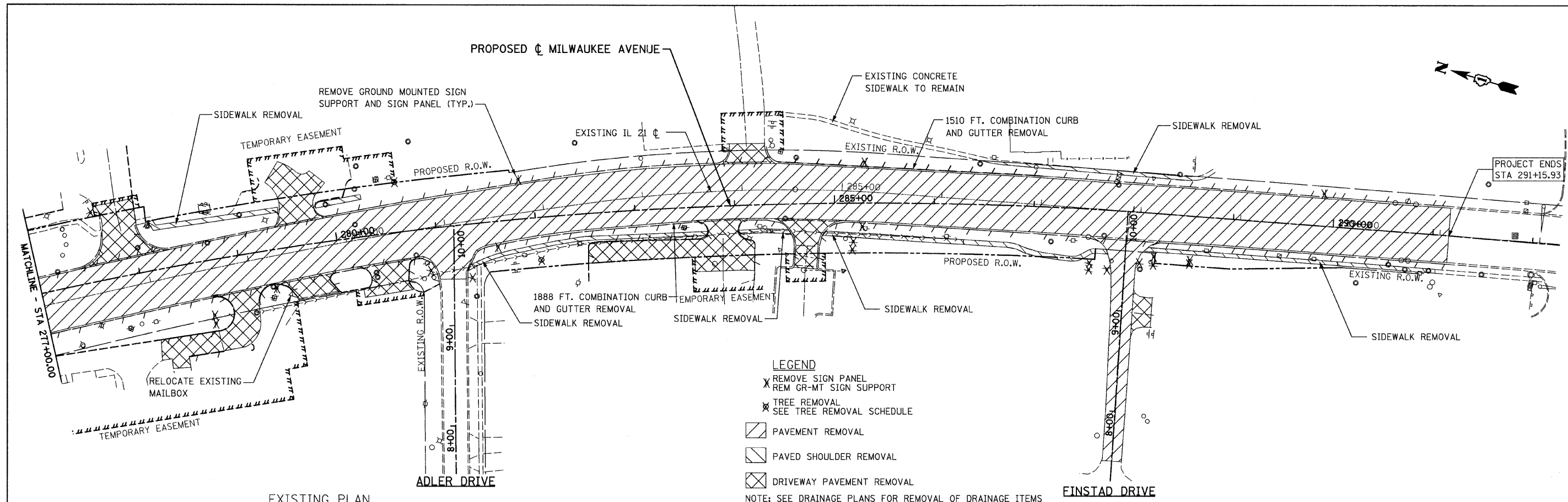




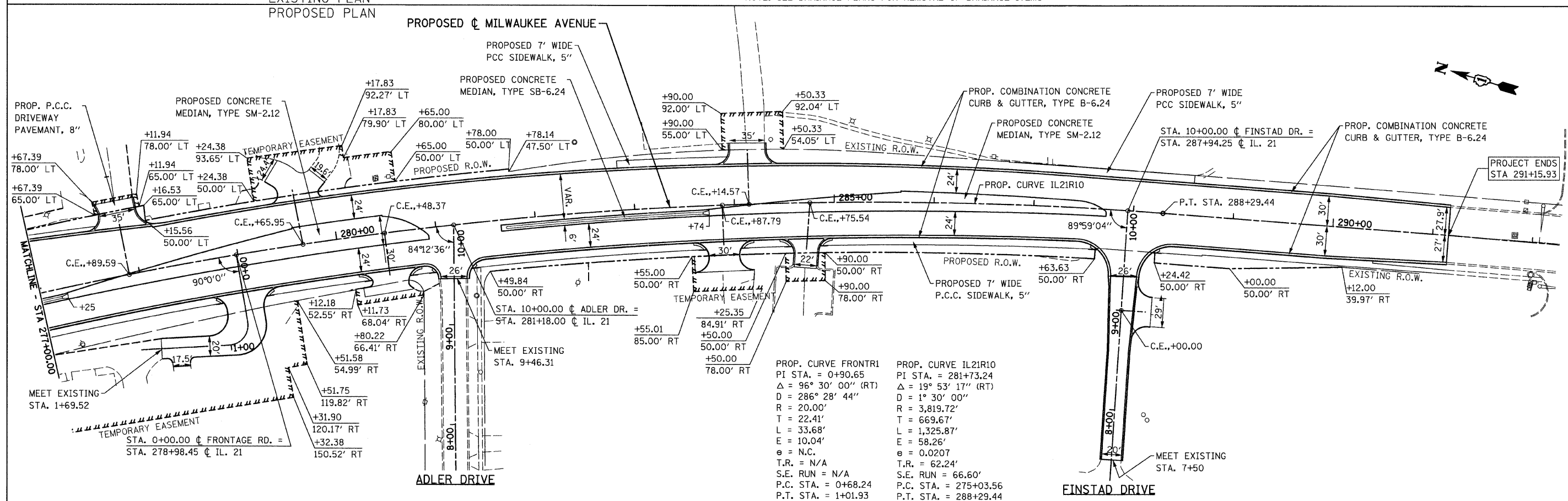
FLOODWAY COMPENSATORY STORAGE BULL CREEK		
	FILL	COMP. STORAGE
100 YR - 10 YR	17	98
10 YR - NWL	14	136

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
11\102901\cadd sheets\st-plan\06.dgn		DRAWN - BK	REVISED -			330	128R-3	LAKE	518	45	
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -			CONTRACT NO. 60953					
PLOT DATE = 8/11/2011		DATE - 4/30/2011	REVISED -			ILLINOIS FED. AID PROJECT					



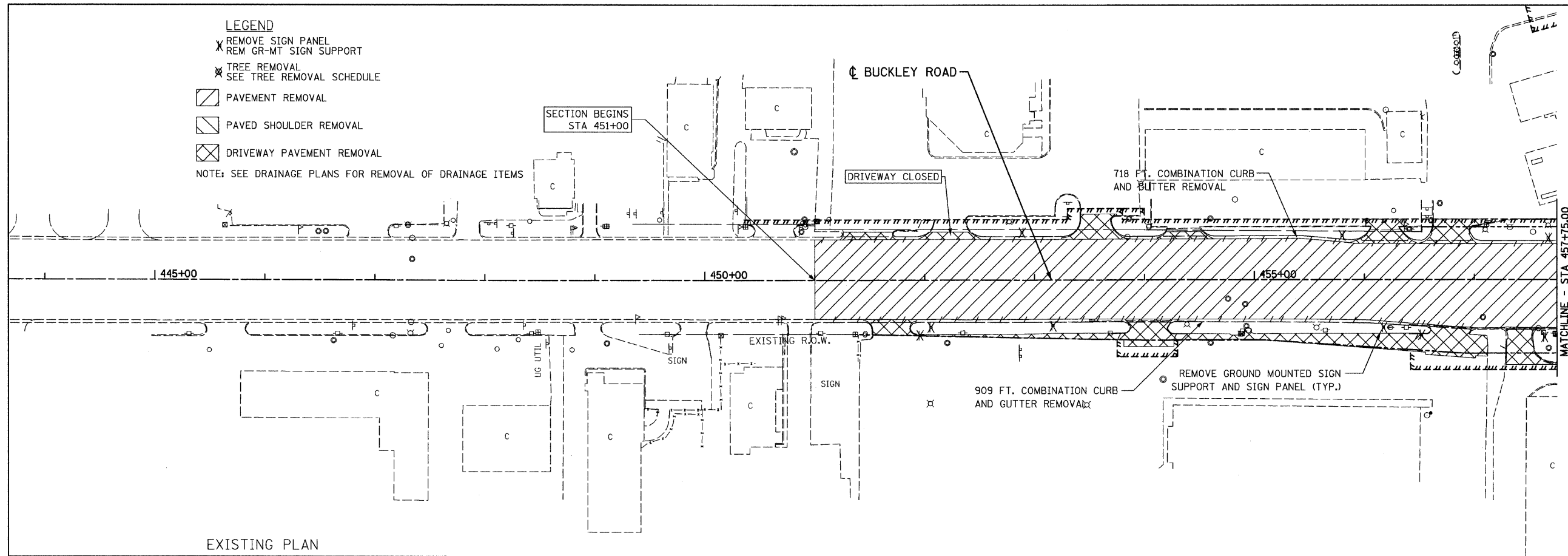


EXISTING PLAN  
PROPOSED PLAN

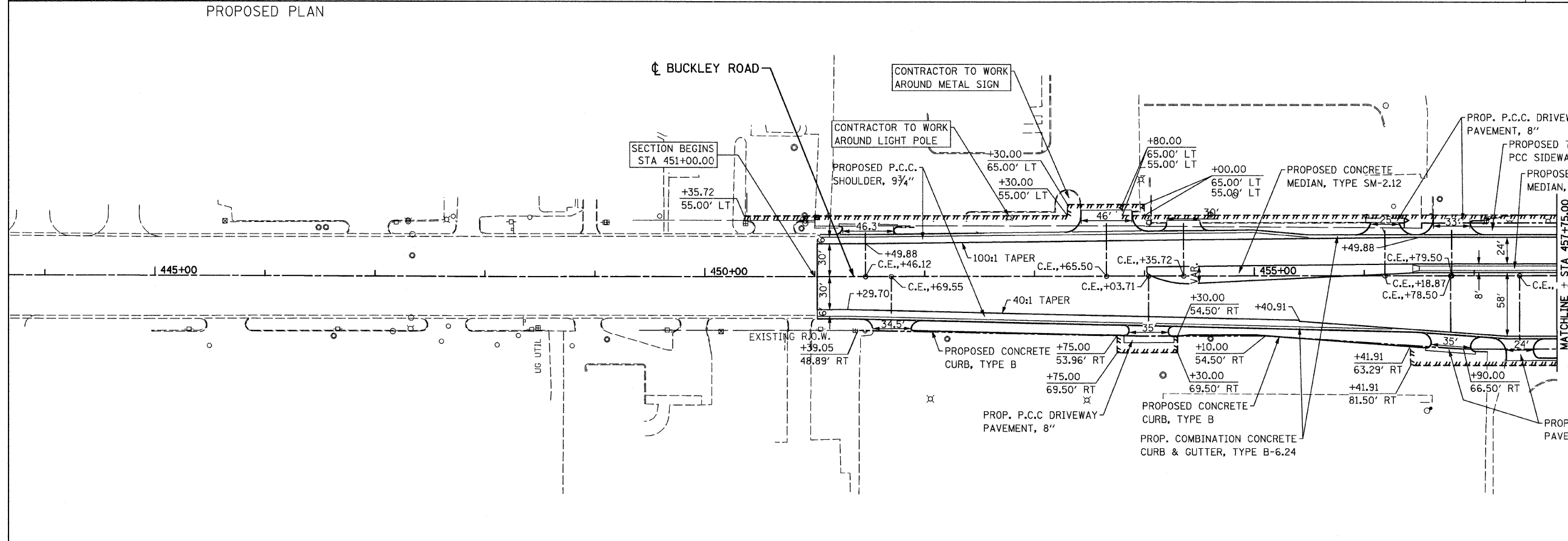


FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
11\102901\cadd sheets\sh1-plan08.dgn		DRAWN - BK	REVISED -			330	128R-3	LAKE	518	47	
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -			SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 277+00.00 TO STA. 291+15.93					
PLOT DATE = 8/11/2011		DATE = 4/30/2011	REVISED -			CONTRACT NO. 60953					

- LEGEND**
- X REMOVE SIGN PANEL
  - REM GR-MT SIGN SUPPORT
  - X TREE REMOVAL
  - SEE TREE REMOVAL SCHEDULE
  - PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
- NOTE: SEE DRAINAGE PLANS FOR REMOVAL OF DRAINAGE ITEMS

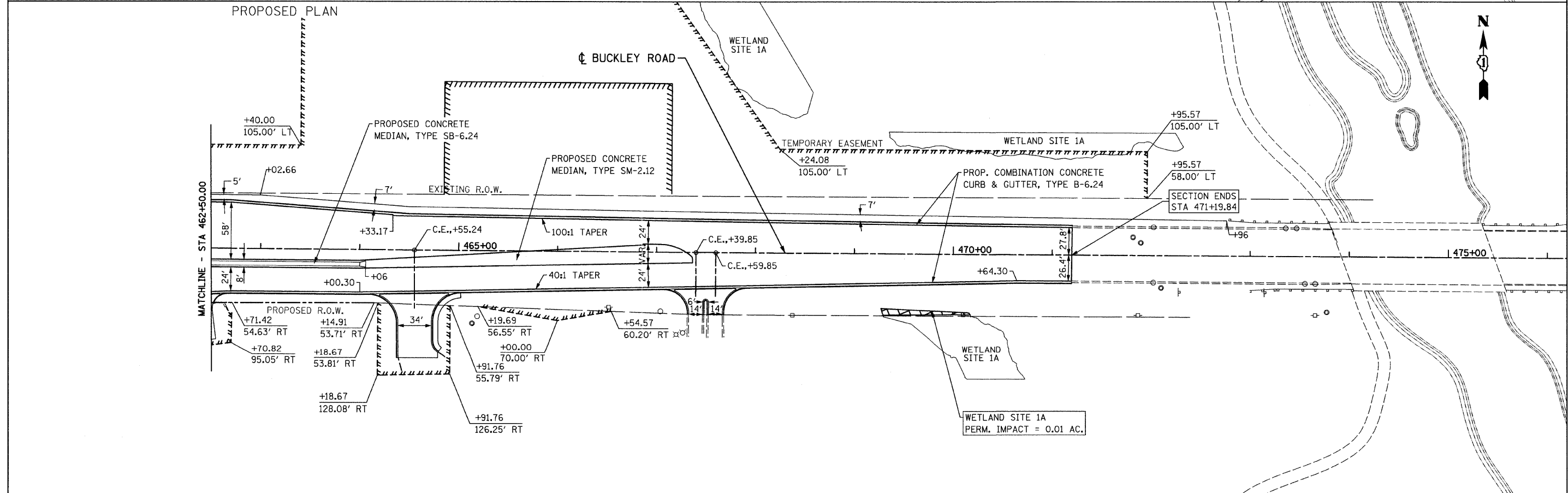
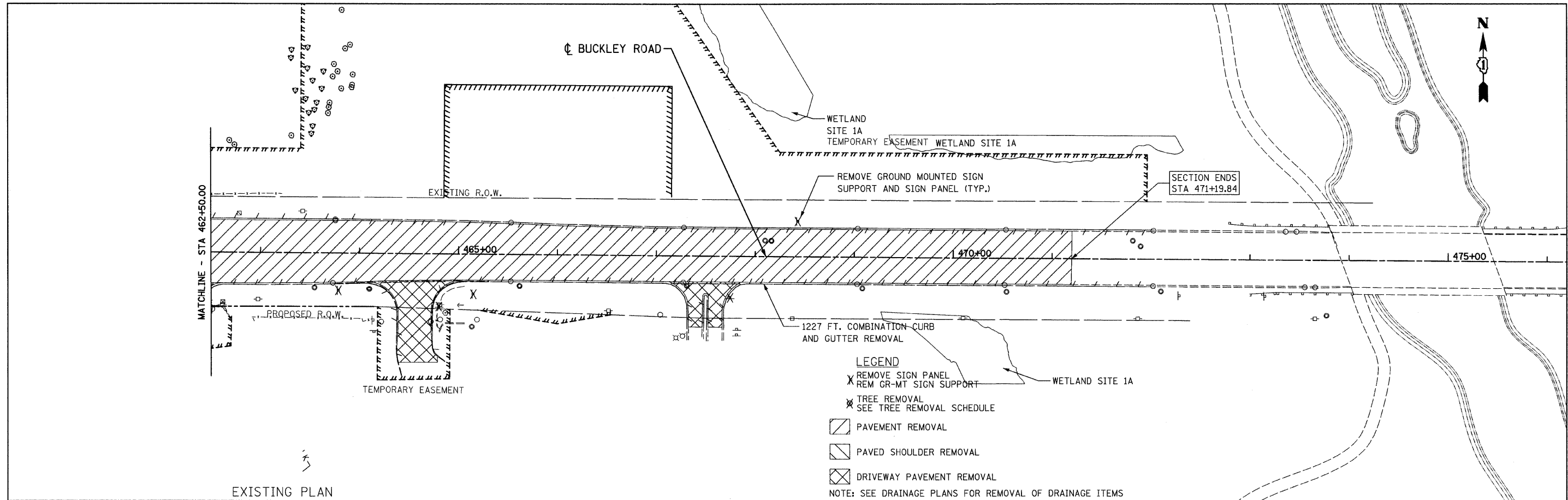


EXISTING PLAN  
PROPOSED PLAN

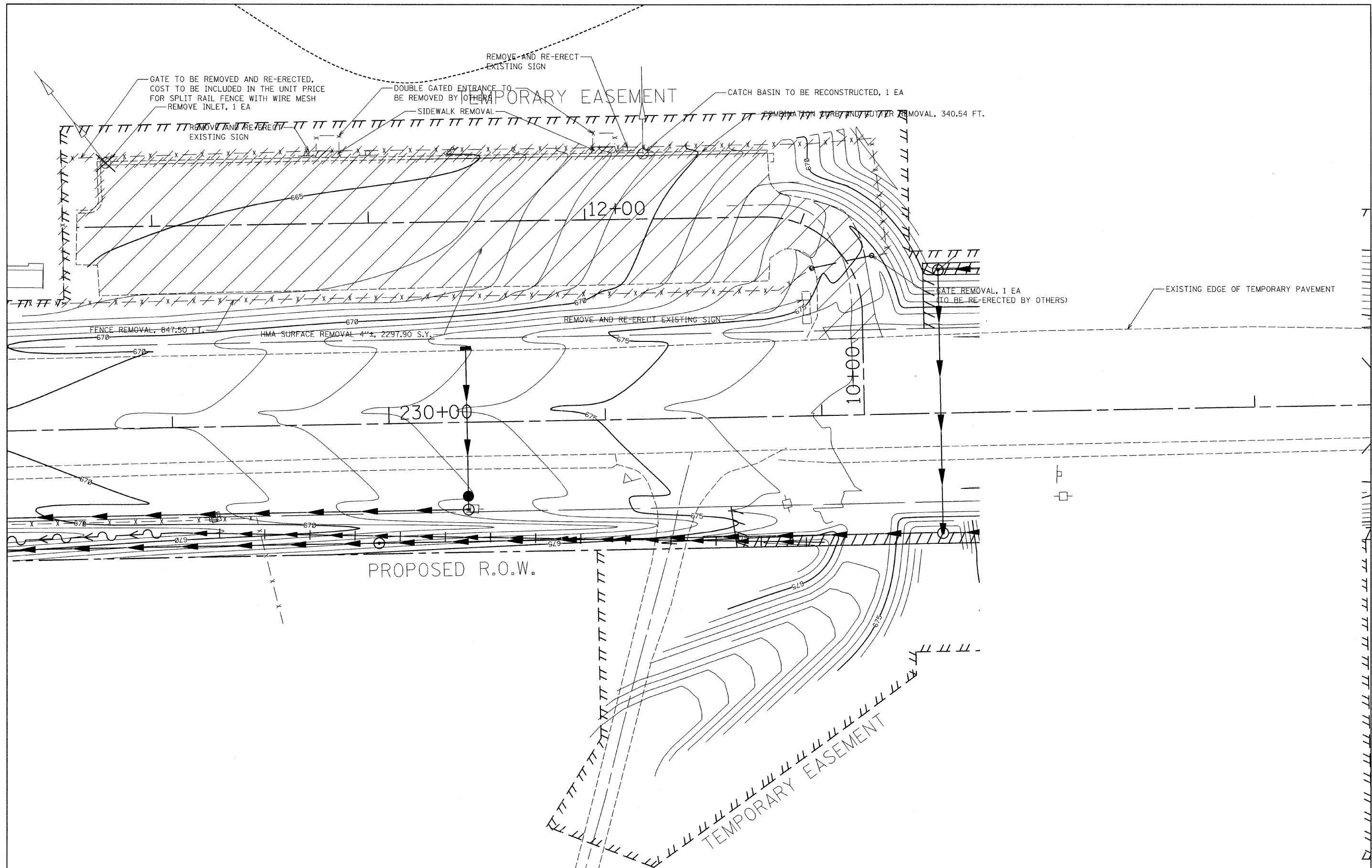


FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 137 (BUCKLEY RD)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
u:\102901\cadd sheets\sh-t-plan09.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -			330	128R-3	LAKE	518	48	
	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -			SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 451+00.00 TO STA. 457+75.00					
		DATE - 4/30/2011	REVISED -			CONTRACT NO. 60953					

ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN IL RTE 137 (BUCKLEY RD)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
u:\102901\cadd sheets\sh-t-plan10.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -			330	128R-3	LAKE	518	49	
PLOT DATE = 8/11/2011	DATE - 4/30/2011	CHECKED - GFL	REVISED -			CONTRACT NO. 60953					
						ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -
u:\102901\cadd sheets\sh-t-dogpark_underpass1.dgn		DRAWN - BK	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

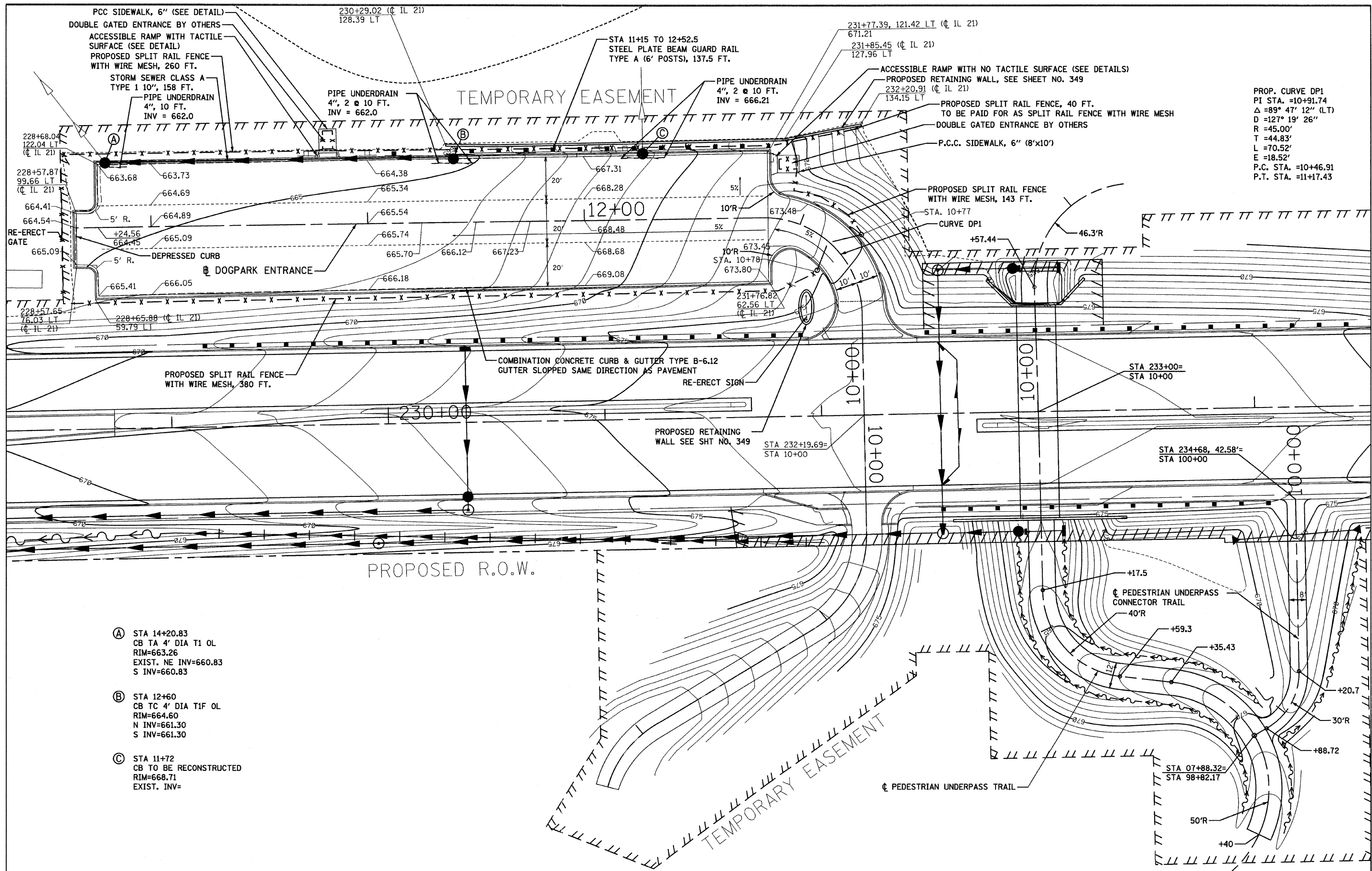
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DOG PARK PARKING LOT AND UNDERPASS  
EXISTING PLANS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	50
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





PROP. CURVE DP1  
 PI STA. =10+91.74  
 $\Delta = 89^\circ 47' 12''$  (LT)  
 $D = 127^\circ 19' 26''$   
 $R = 45.00'$   
 $T = 44.83'$   
 $L = 70.52'$   
 $E = 18.52'$   
 P.C. STA. =10+46.91  
 P.T. STA. =11+17.43

- Ⓐ STA 14+20.83  
 CB TA 4' DIA T1 OL  
 RIM=663.26  
 EXIST. NE INV=660.83  
 S INV=660.83
- Ⓑ STA 12+60  
 CB TC 4' DIA T1F OL  
 RIM=664.60  
 N INV=661.30  
 S INV=661.30
- Ⓒ STA 11+72  
 CB TO BE RECONSTRUCTED  
 RIM=668.71  
 EXIST. INV=

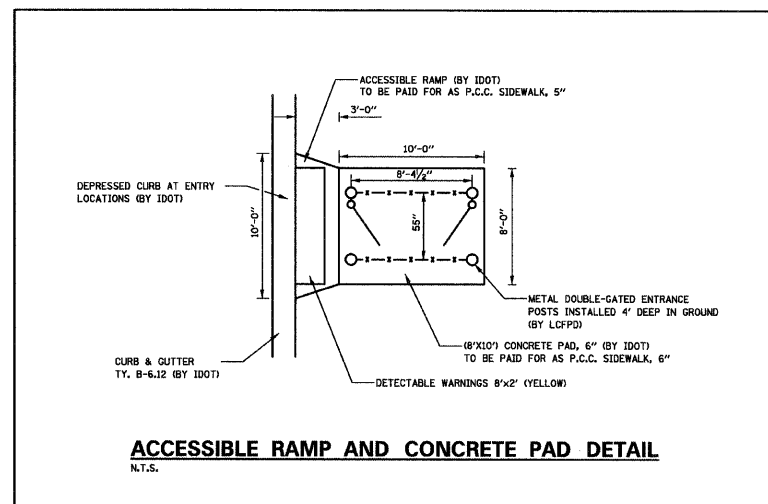
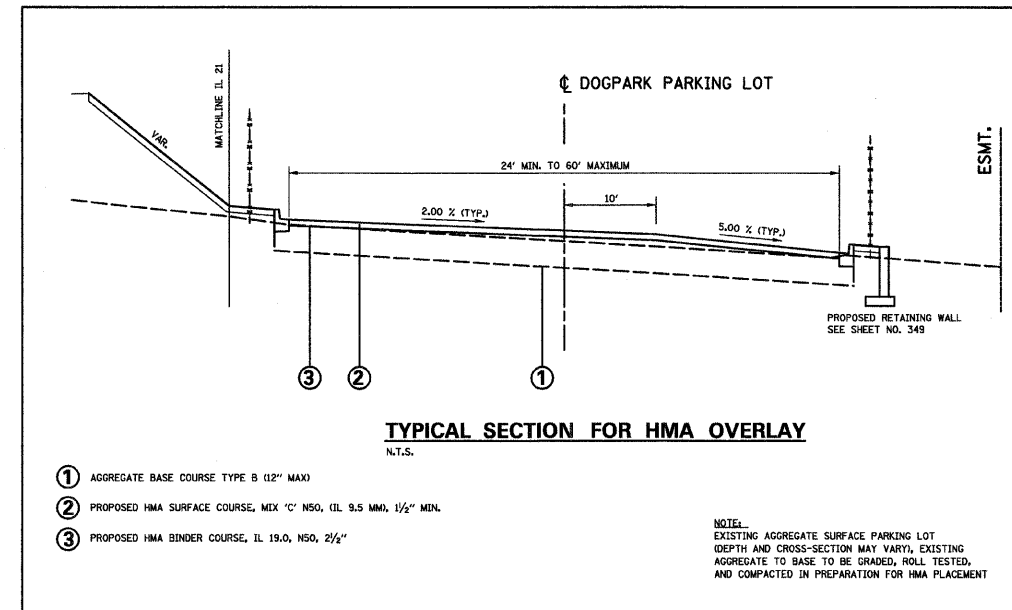
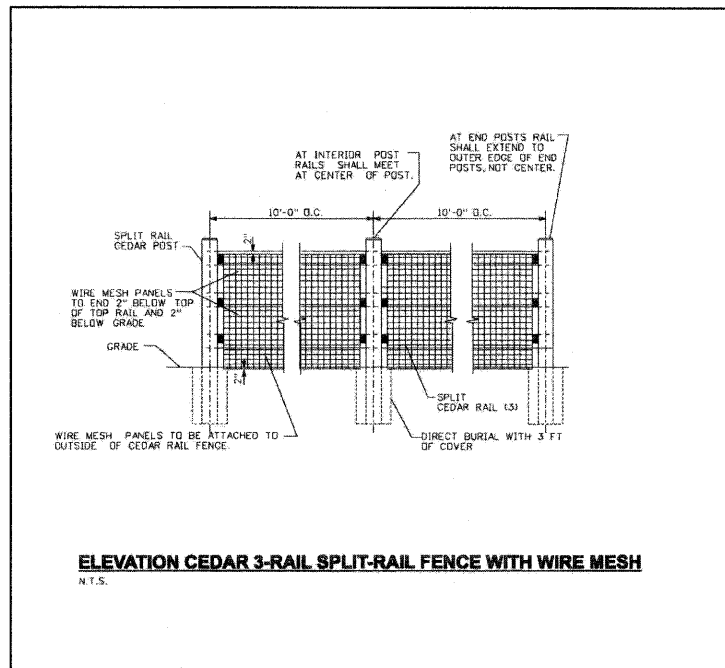
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11\102901\cadd sheets\shd-dogpark-underpass2.dgn		DRAWN - BK	REVISED -
		CHECKED - GFL	REVISED -
		DATE - 12/17/10	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DOGPAK PARKING LOT AND UNDERPASS  
 PROPOSED PLANS**

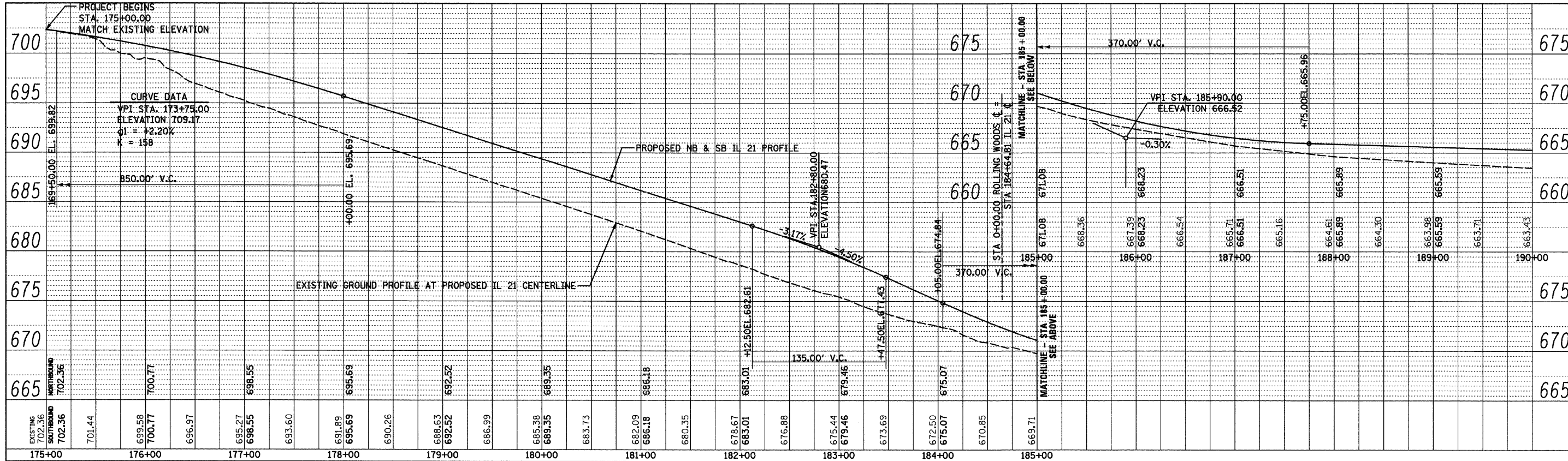
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	51
CONTRACT NO. 60953			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT	

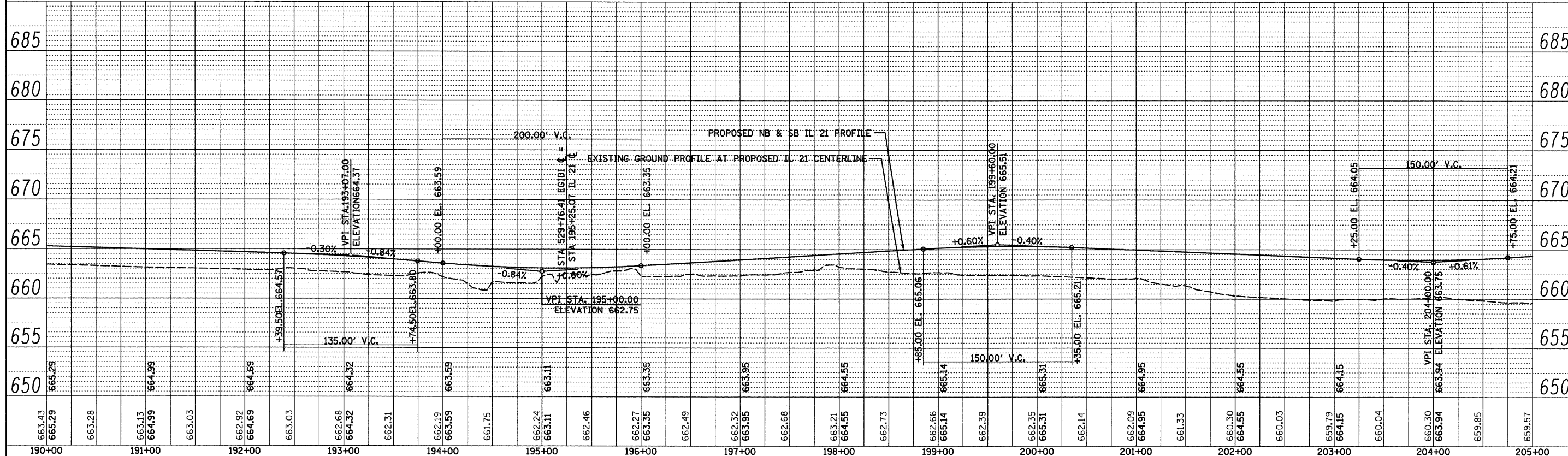


FILE NAME =	USER NAME = IDOT	DESIGNED - PDK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DOG PARK PARKING LOT DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.	CHECKED - MRH	REVISIONS -	REVISED -		<b>CONTRACT NO. 60953</b>							
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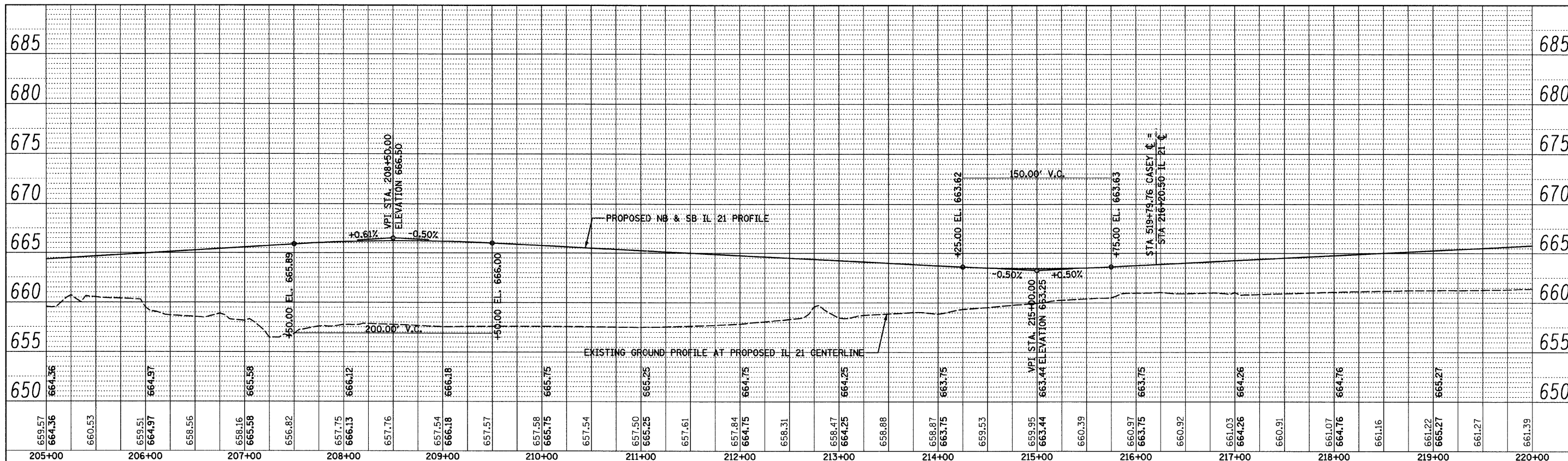


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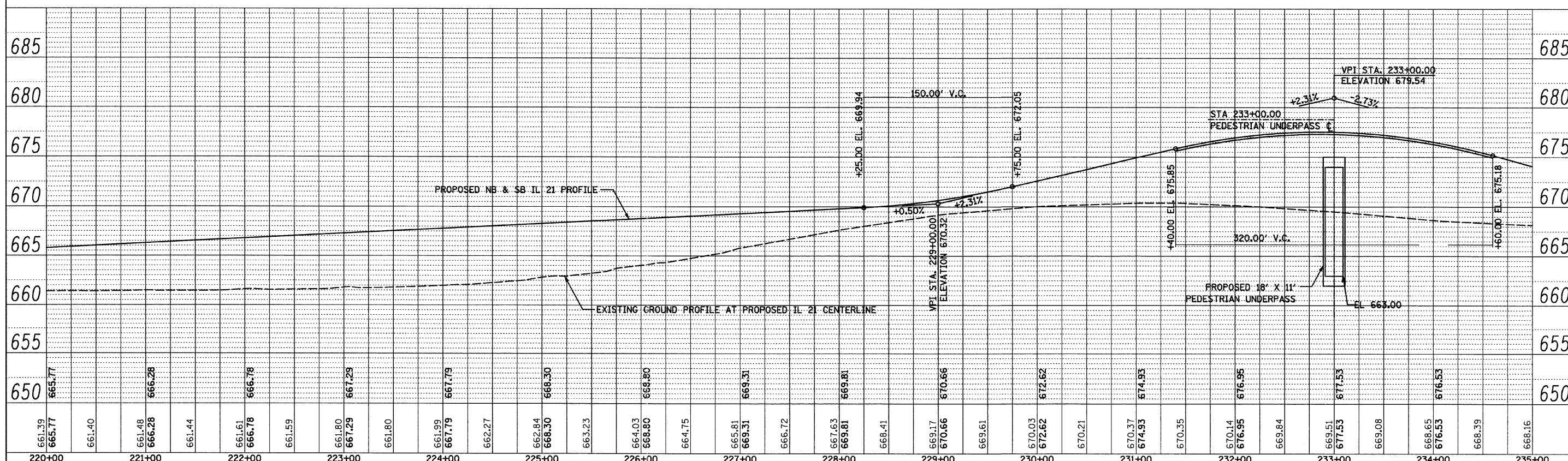


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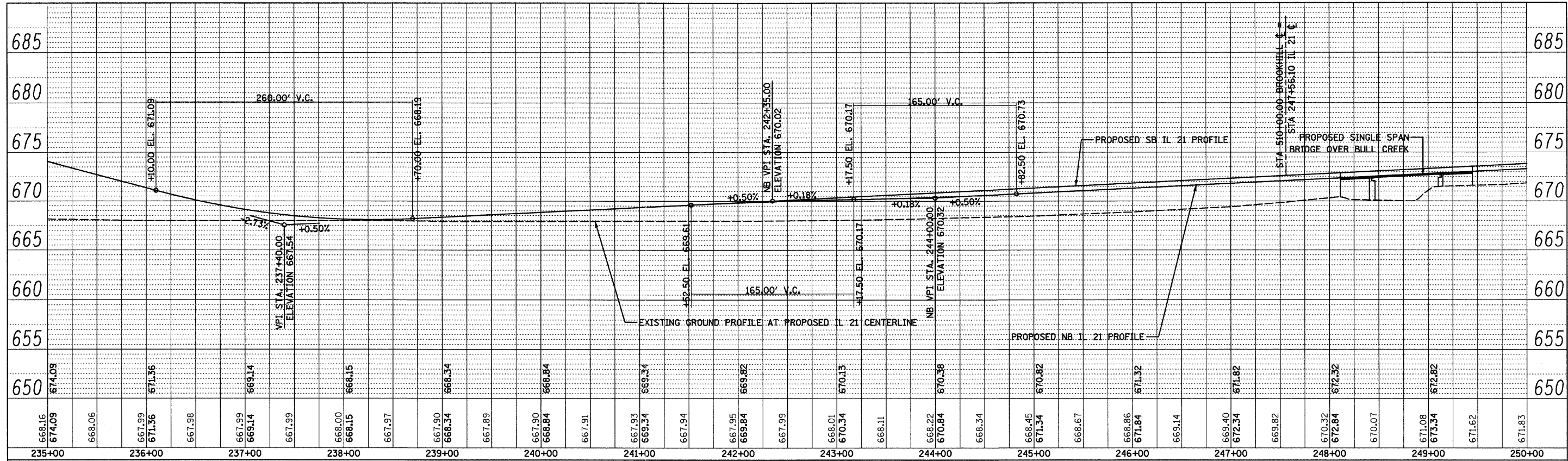
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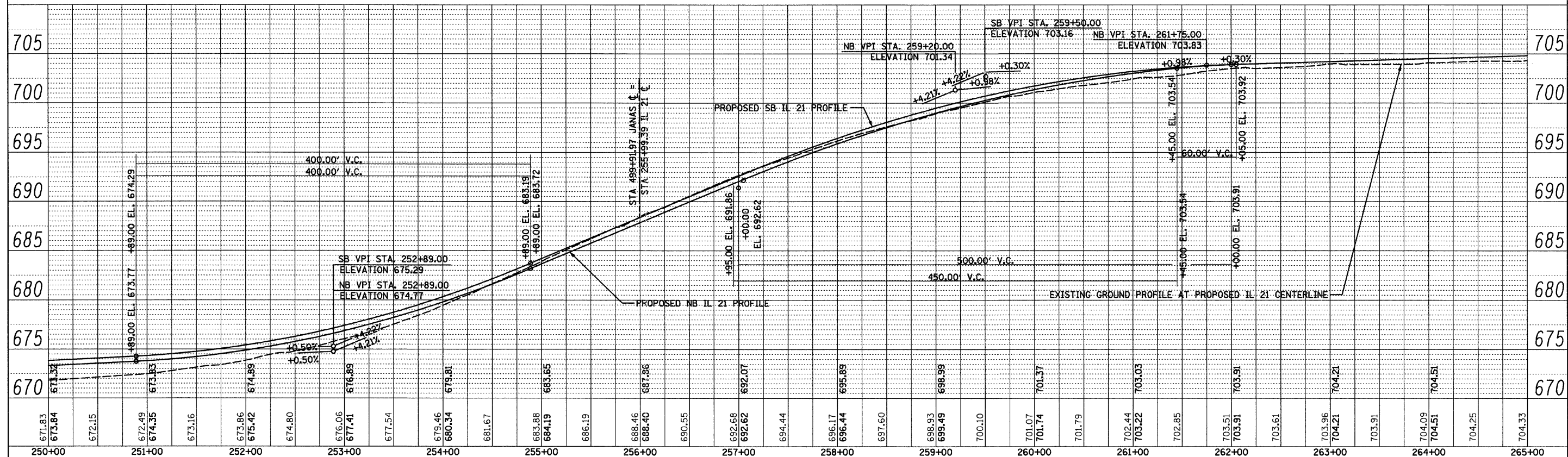
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	PLOT DATE = 8/11/2011	CHECKED - MRH	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE - 12/17/10	REVISED -									



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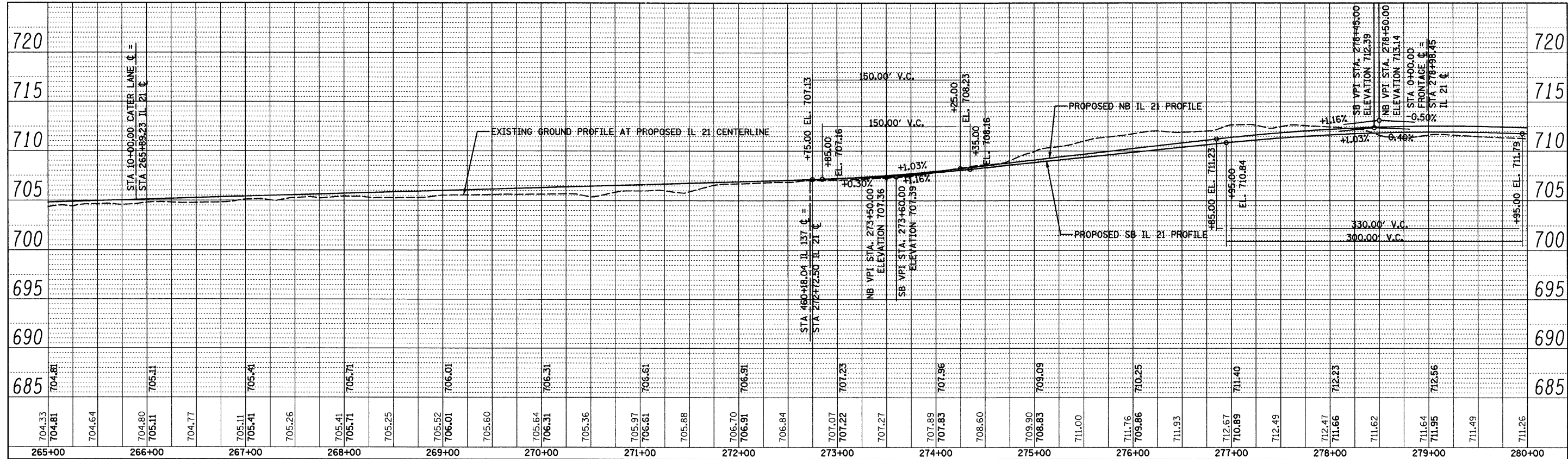
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

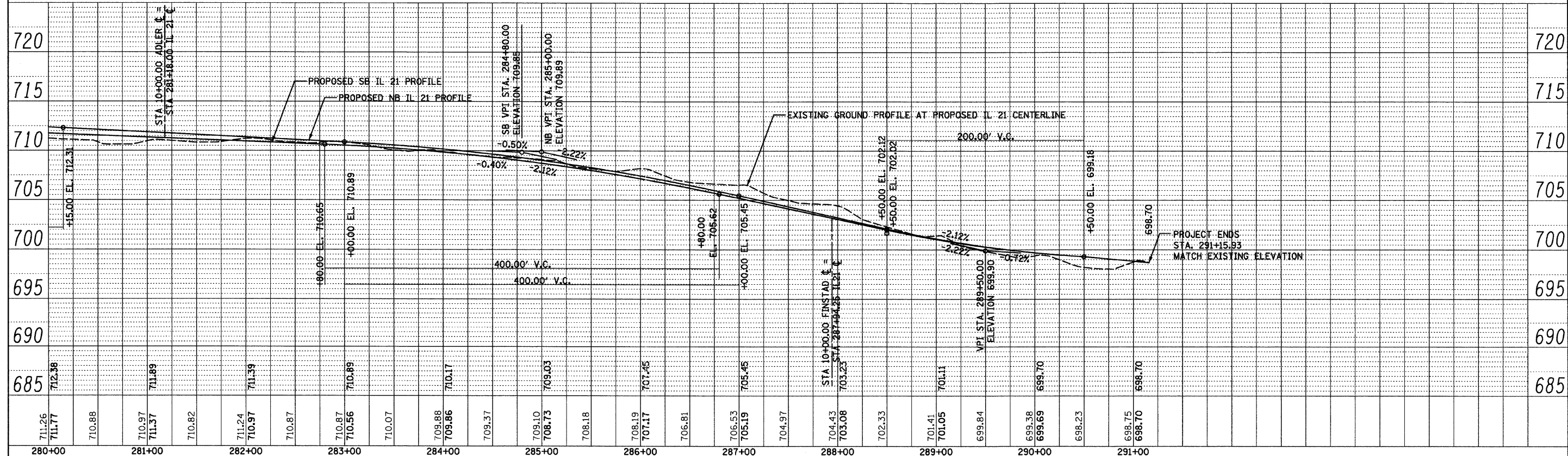
**ROADWAY PROFILE  
 IL RTE 21 (MILWAUKEE AVE)**  
 SCALE: SHEET NO. OF SHEETS STA. 235+00.00 TO STA. 265+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	54
			CONTRACT NO. 60953	
ILLINOIS FED. AID PROJECT				

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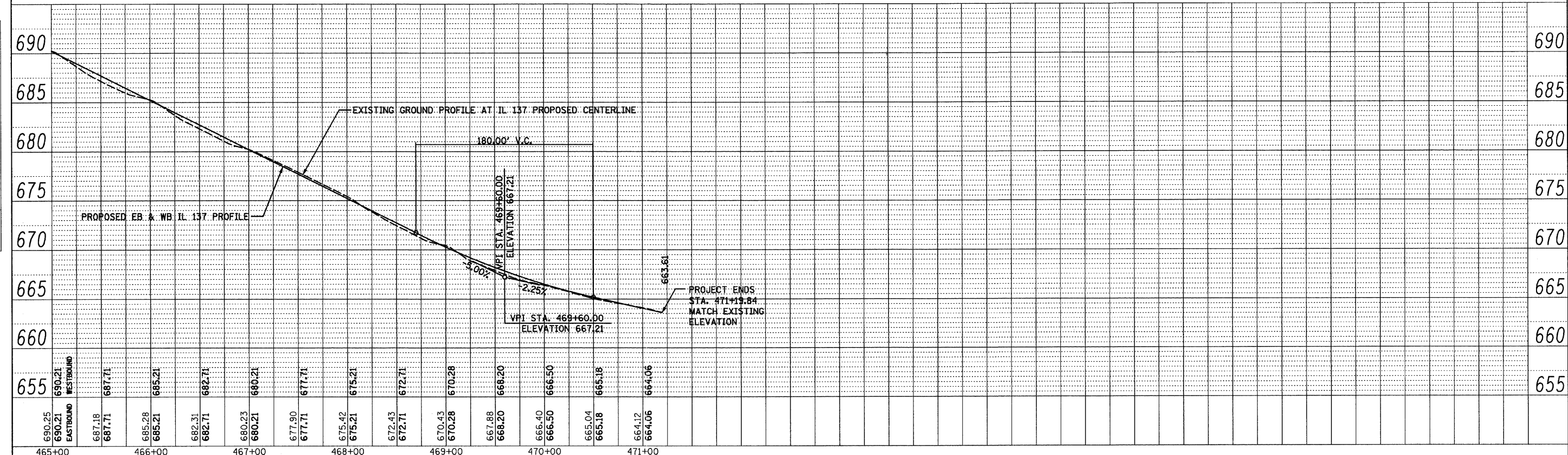
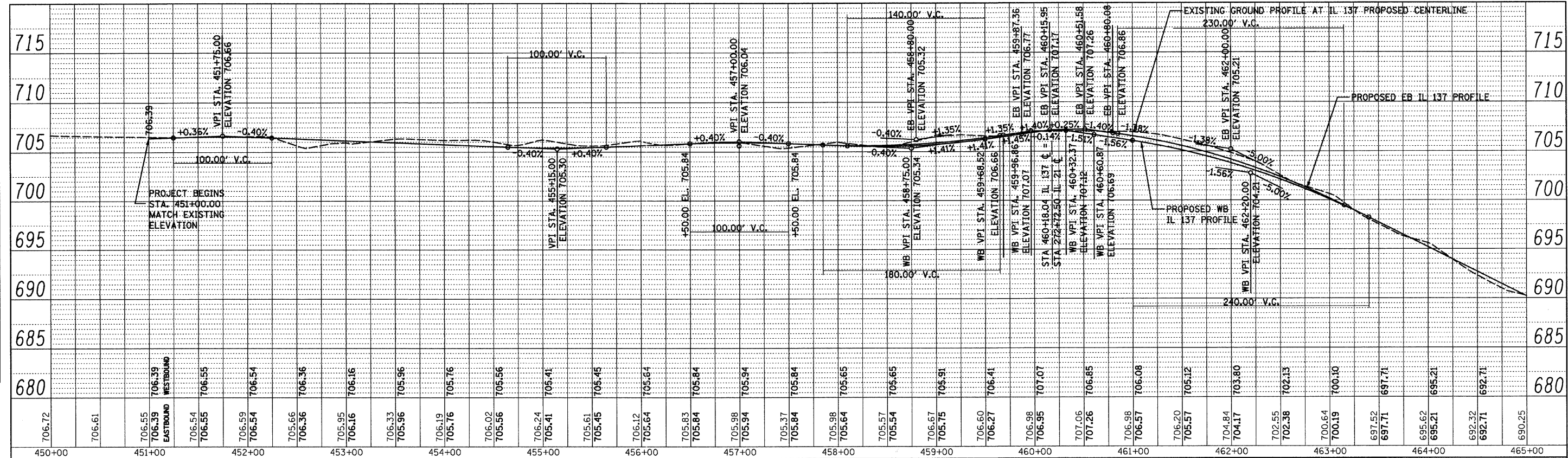


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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
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		CHECKED - MRH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 451+00.00 TO STA. 471+19.84	ILLINOIS FED. AID PROJECT			
		DATE - 12/17/10	REVISED -								







**TRAFFIC CONTROL GENERAL NOTES**

**GENERAL NOTES**

1. THE CONTRACTOR SHALL FURNISH ALL SIGNS, BARRICADES, AND PROTECTION NECESSARY FOR THE MAINTENANCE OF TRAFFIC AS SHOWN ON THE CONTRACT M.O.T. PLANS OR AS DIRECTED BY THE ENGINEER. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS AND BARRICADES SHOWN ON M.O.T. PLANS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL). ALL CONFLICTING SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
2. THE CONTRACTOR SHALL MAINTAIN SATISFACTORY INGRESS AND EGRESS TO ADJACENT PROPERTIES THROUGHOUT THE CONSTRUCTION.
3. TEMPORARY AGGREGATE ACCESS SHALL BE PROVIDED AT ALL DRIVEWAYS AS DIRECTED BY THE ENGINEER.
4. THE CONTRACTOR SHALL USE WET REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE, TYPE III FOR TEMPORARY LANE MARKING ON ALL PERMANENT PAVEMENT IN LIEU OF PAINT IN AREAS WHERE MARKING WILL CONFLICT WITH LATER STAGES. PAINT PAVEMENT MARKING SHALL BE USED ON SURFACES TO BE REMOVED OR OVERLAID AND DO NOT CONFLICT WITH LATER STAGES.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
6. FLUORESCENT VESTS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR FLUORESCENT VESTS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
7. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION PROTECTION DURING THE DURATION OF THE PROJECT.
8. EXISTING TRAFFIC CONTROL SIGNS AND MESSAGES THAT ARE IN CONFLICT WITH THE PROPOSED MAINTENANCE OF TRAFFIC SHALL BE TEMPORARILY COVERED OR MODIFIED WITH TEMPORARY OVERLAY AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER.
9. PEDESTRIAN ACCESS SHALL BE CONTROLLED IN ACCORDANCE WITH STANDARD 701801.
10. TEMPORARY SIDEWALK, WHERE REQUIRED, WILL BE CONSTRUCTED WITH A MINIMUM OF 2 INCHES OF PORTLAND CEMENT OR 2 INCHES OF LEVELING BINDER AT THE OPTION OF THE CONTRACTOR. THE WALK SHALL BE A MINIMUM OF 4 FEET WIDE. THE TEMPORARY SIDEWALK WILL BE MEASURED IN PLACE IN SQUARE FEET AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY SIDEWALK. THE UNIT PRICE SHALL INCLUDE REMOVAL AND DISPOSAL AT COMPLETION OF NEED.
11. THE CONTRACTOR SHALL SUBMIT A PLAN FOR MAINTAINING ACCESS TO ALL DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION, 30 DAYS PRIOR TO MAINTENANCE OF TRAFFIC STAGING (STAGE I). TEMPORARY ACCESS CLOSURES WILL BE ALLOWED ONLY AT THE DIRECTION OF THE ENGINEER. SEE NOTE 21 FOR ADDITIONAL INFORMATION.
12. TEMPORARY PAVEMENT SHALL BE CONSTRUCTED OF EITHER HMA BINDER COURSE, 8.5" AND HMA SURFACE COURSE, 1.5" OR PCC BASE COURSE, 8" ON SUB-BASE GRANULAR MATERIAL, 4". THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR TEMPORARY PAVEMENT AND AS PER APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS. WHERE REQUIRED BY THE ENGINEER, ADDITIONAL TEMPORARY PAVEMENT CAN BE ADDED TO THE PROJECT.
13. ALL ADVANCE WARNING SIGNS FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
14. PAVEMENT MARKING: ALL TEMPORARY OR PERMANENT PAVEMENT MARKING PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.
15. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF THE ENGINEER FOR ANY METHODS OF TRAFFIC CONTROL AND PROTECTION DIFFERENT THAN THAT SHOWN ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR.
16. THE RESIDENT ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
17. TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.
18. THE CONTRACTOR IS ADVISED THAT IN THE EVENT OF SNOW, HE WILL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF ANY MAINTENANCE OF TRAFFIC PROTECTIVE DEVICES THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATIONS PERFORMED BY THE STATE OR LOCAL AGENCIES.
19. TYPE III BARRICADES SHALL BE PLACED AT BOTH ENDS OF THE CLOSED PORTION OF ROADS UNDER CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ENOUGH TYPE III BARRICADES TO CROSS THE ENTIRE ROADWAY AS DEPICTED ON THE PLANS.
20. CONTACT AREA TRAFFIC FIELD TECHNICIAN TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS AT (847) 438-2300.
21. THE CONTRACTOR IS MADE AWARE THAT ROLLING WOODS DRIVE, EGIDI LANE, CASEY ROAD, BROOKHILL ROAD, JANAS COURT, CATER LANE, ADLER DRIVE AND FINSTAD DRIVE MUST REMAIN OPEN TO TWO-WAY TRAFFIC AT ALL TIMES. WHERE THE EXISTING ROADWAY IS REDUCED TO ONE LANE, A FLAGGER MUST BE PRESENT TO MAINTAIN TWO-WAY TRAFFIC. WHEN A FLAGGER IS NOT PRESENT, TWO-WAY TRAFFIC WILL BE MAINTAINED IN TWO LANES. WHERE THE PROFILE OF THE ROADWAY IS RAISED, TRAFFIC WILL BE MAINTAINED ON 'POROUS GRANULAR EMBANKMENT, SUBGRADE' MATERIAL. ADDITIONAL QUANTITIES OF 'POROUS GRANULAR EMBANKMENT, SUBGRADE' HAVE BEEN ADDED TO THE PLANS TO ALLOW TRAFFIC TO BE MAINTAINED. SIMILARLY, PRIVATE AND COMMERCIAL ENTRANCES MUST BE MAINTAINED OPEN AT ALL TIMES. WHERE THE VERTICAL PROFILE HAS BEEN RAISED, ADDITIONAL QUANTITIES OF 'POROUS GRANULAR EMBANKMENT, SUBGRADE' MATERIAL HAS BEEN INCLUDED TO ALLOW FOR INGRESS AND EGRESS.
22. ALL TYPE II/III BARRICADES, DRUMS AND VERTICAL PANELS SHALL HAVE MONO-DIRECTIONAL OR BI-DIRECTIONAL STEADY BURNING LIGHTS, AS PER CURRENT IDOT STANDARD.
23. "CAUTION NEW LANES OPEN" AND "STOP HERE" SIGNS WITH ARROW SHALL BE INSTALLED FOR A PERIOD OF AT LEAST 14 DAYS FOLLOWING EACH STAGE CHANGE, AT THE LOCATIONS AS DIRECTED BY THE ENGINEER. THE COST OF FURNISHING, PLACING, AND REMOVING THESE SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
24. BARRIER WALL REFLECTORS SHALL BE INSTALLED ON TEMPORARY CONCRETE BARRIER WALL AT 50 FEET CENTER-TO-CENTER OR AS DIRECTED BY THE ENGINEER.
25. TEMPORARY RAMPS SHALL BE USED TO ACCOUNT FOR DIFFERENCES IN EXISTING AND PROPOSED PAVEMENT ELEVATIONS BETWEEN STAGES OF CONSTRUCTION AT ALL INTERSECTIONS AND AT OTHER AREAS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID PER TON OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50. REMOVAL SHALL BE INCLUDED IN THE COST OF REMOVAL OF THE PAVEMENT UNDERLYING THE RAMP.

FILE NAME =	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL GENERAL NOTES IL RTE 21 (MILWAUKEE AVE)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IN102901\CADD Sheets\ahh-stagingnotes.dgn		DRAWN - BK	REVISED -		330	128R-3	LAKE	518	59			
PLOT SCALE = 50.0000' / IN.		CHECKED - GFL	REVISED -		CONTRACT NO. 60953			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/11/2011		DATE - 12/17/10	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.					

## CONSTRUCTION STAGING NOTES

### PRESTAGE

1. MAINTAIN TRAFFIC IN EXISTING TRAFFIC LANES USING LANE CLOSURE STANDARDS AS NEEDED.
2. PERFORM NECESSARY TREE REMOVAL AS INDICATED BY THE ENGINEER.
3. COMPLETE UTILITY RELOCATION AND/OR ADJUSTMENTS AND TEMPORARY PAVEMENT ON ILLINOIS ROUTE 21 AND ILLINOIS ROUTE 137.
4. WHERE TEMPORARY PAVEMENT IS PROPOSED, EXTEND EXISTING PIPE CULVERTS. SEE MOT PLANS FOR LOCATIONS.
5. INSTALL TEMPORARY TRAFFIC SIGNALS AT ILLINOIS ROUTE 137 AND AT FIRE STATION ENTRANCE.
6. CONSTRUCT RETENTION / DETENTION SITE 'A' AND RELATED DRAINAGE STRUCTURES.
7. REMOVAL OF EXISTING ISLANDS, MEDIANS AND CURB AND GUTTER AND REPLACEMENT WITH TEMPORARY PAVEMENT SHALL BE PERFORMED USING LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS.
8. CONSTRUCT PERMANENT STORM SEWER ON THE EAST SIDE OF ILLINOIS ROUTE 21 FROM STA. 186+94 TO STA. 188+25. CONSTRUCT STORM SEWER AT STA. 225+00 AND RETENTION STORAGE SITE 4.
9. CONSTRUCT STORM SEWER ON ILLINOIS ROUTE 21 FROM STA. 281+70 TO STA. 290+75. USE STANDARD 701602 FOR TRAFFIC CONTROL.
10. CONSTRUCT TEMPORARY PAVEMENT ON ILLINOIS ROUTE 21 AND ILLINOIS ROUTE 137 REQUIRED FOR STAGE I.
11. CONSTRUCT PROPOSED STORM SEWER LEFT OF STA. 459+10 +/- TO RETENTION / DETENTION SITE 'A' AND FROM SITE 'A' TO STA. 470+54 AND THEN TO OUTLET 22 ON ILLINOIS ROUTE 137.
12. CONSTRUCT PROPOSED WATER MAIN LEFT OF STA. 275+00 ± TO STA. 278+00 ± AND CROSSING AT STA. 278+00 ± AND STA. 284+30 ± ON IL RTE. 21. CONSTRUCT THE PROPOSED WATER MAIN CROSSING, STA. 475+15 ± ON IL RTE. 137.

### STAGE I

1. INSTALL SHEET PILING AS REQUIRED FOR CONSTRUCTION.
2. CONSTRUCT EMBANKMENT, STORM SEWERS AND APPURTENANCES FOR STAGE I WORK.
3. CONSTRUCT THE NEW ILLINOIS ROUTE 21 SOUTHBOUND LANES.
4. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES FOR STAGE I CONSTRUCTION ALONG EXISTING ILLINOIS ROUTE 137.
5. CONSTRUCT THE NEW ILLINOIS ROUTE 137 EASTBOUND LANES. PORTIONS OF THE EASTBOUND AND WESTBOUND LEFT TURN LANES SHOULD BEGIN ON THE SECOND HALF OF STAGE I.
6. CONSTRUCT THE INTERSECTION WITH ILLINOIS ROUTE 137 USING SUB-STAGE CONSTRUCTION AND TEMPORARY PAVEMENT AS NEEDED.
7. ONLY CURBS THAT ARE ADJACENT TO CONSTRUCTION ZONES ARE CONSTRUCTED DURING THIS STAGE. CURBS ADJACENT TO EXISTING NORTHBOUND (ILLINOIS ROUTE 21) AND WESTBOUND (ILLINOIS ROUTE 137) ARE CONSTRUCTED DURING STAGE II.
8. ESTABLISH TEMPORARY PAVEMENT MARKING AND TEMPORARY PAVEMENT FOR STAGE II.
9. MAINTAIN STAGE I TRAFFIC CONTROL UNTIL ALL STAGE I WORK IS COMPLETE.

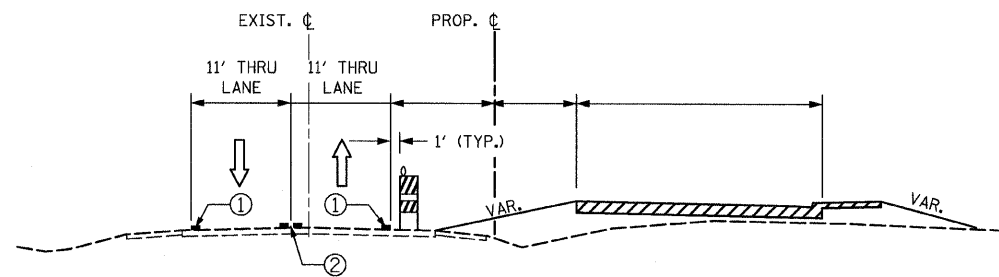
### STAGE II

1. CONSTRUCT REMAINDER OF EMBANKMENT, STORM SEWERS AND APPURTENANCES FOR NORTHBOUND PAVEMENT.
2. COMPLETE RETENTION / DETENTION SITE 'A' AND RETENTION STORAGE SITE 4.
3. CONSTRUCT THE NEW ILLINOIS ROUTE 21 NORTHBOUND LANES AND PORTIONS OF THE NORTHBOUND AND SOUTHBOUND LEFT TURN LANES.
4. CONSTRUCT THE NEW ILLINOIS ROUTE 137 WESTBOUND LANES AND PORTIONS OF THE EASTBOUND AND WESTBOUND LEFT TURN LANES.
5. CONSTRUCT THE INTERSECTION WITH ILLINOIS ROUTE 137 USING SUB-STAGE CONSTRUCTION AND TEMPORARY PAVEMENT AS NEEDED.
6. USE LANE CLOSURE STANDARDS AS NEEDED TO CONSTRUCT MEDIAN AND ISLANDS.
7. COMPLETE LANDSCAPING.
8. PUT UP PERMANENT SIGNS (COVERED).
9. PLACE TEMPORARY PAVEMENT MARKING FOR STAGE III.

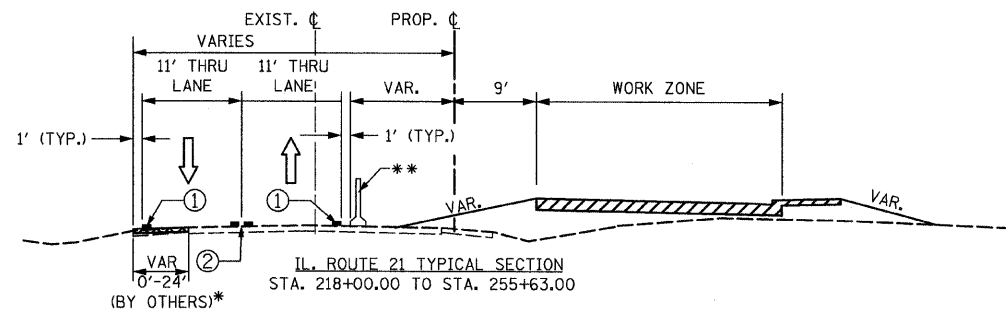
### STAGE III

1. CONSTRUCT / COMPLETE MEDIANS AND MEDIAN PAVEMENT. PLACE ONE LANE OF TRAFFIC IN EACH DIRECTION ON PAVEMENT COMPLETED IN STAGES I & II.
2. CONSTRUCT LEFT TURN LANES AT LOCATIONS SHOWN ON THE MOT PLANS.
3. CONSTRUCT INTERSECTION PAVEMENT AT ILLINOIS ROUTE 137 NOT CONSTRUCTED IN STAGES I & II. SEE SUB-STAGE IIIA AND SUB-STAGE IIIB.
4. SUB-STAGES IIIA AND IIIB WILL ALLOW COMPLETION OF THE INTERSECTION PAVEMENT AT ILLINOIS ROUTE 21 & ILLINOIS ROUTE 137.

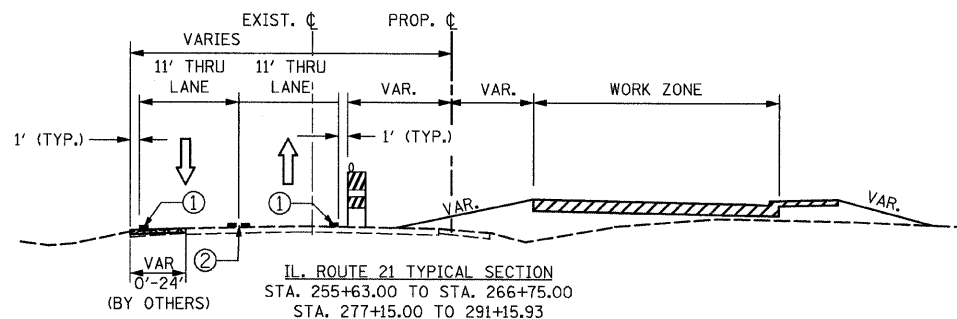
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	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
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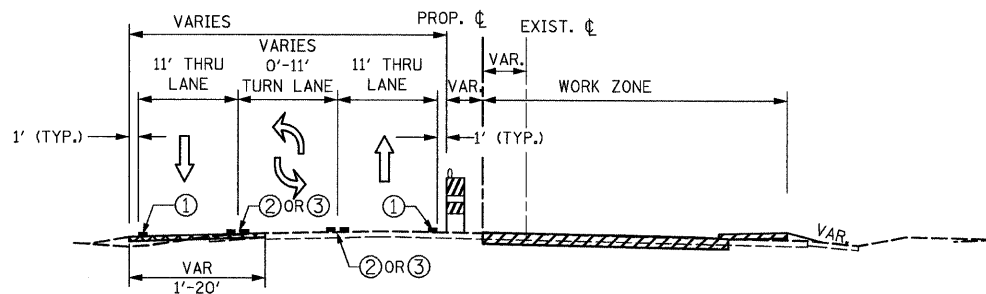
IL. ROUTE 21 TYPICAL SECTION  
STA. 175+00.00 TO STA. 218+00.00



IL. ROUTE 21 TYPICAL SECTION  
STA. 218+00.00 TO STA. 255+63.00



IL. ROUTE 21 TYPICAL SECTION  
STA. 255+63.00 TO STA. 266+75.00  
STA. 277+15.00 TO STA. 291+15.93

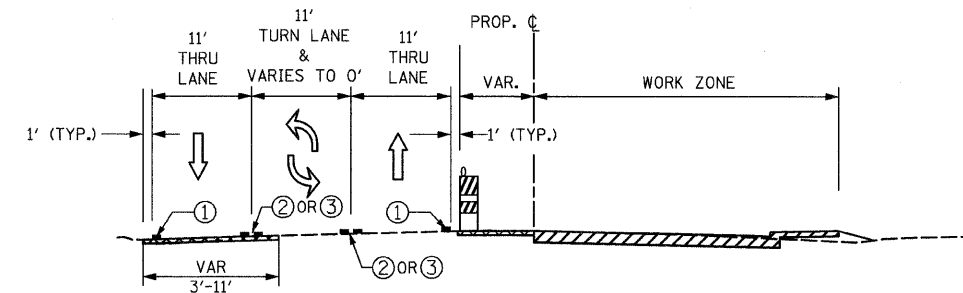


IL. ROUTE 21 TYPICAL SECTION  
STA. 266+75.00 TO STA. 277+15.00

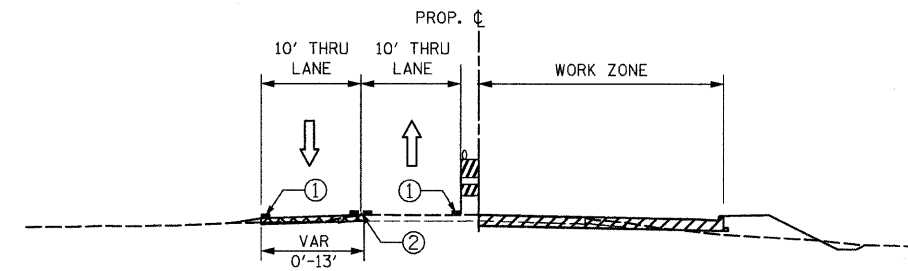
**NOTE:**

\* TEMPORARY PAVEMENT WILL BE REQUIRED:  
FROM STA. 223+50± TO STA. 225+00±.

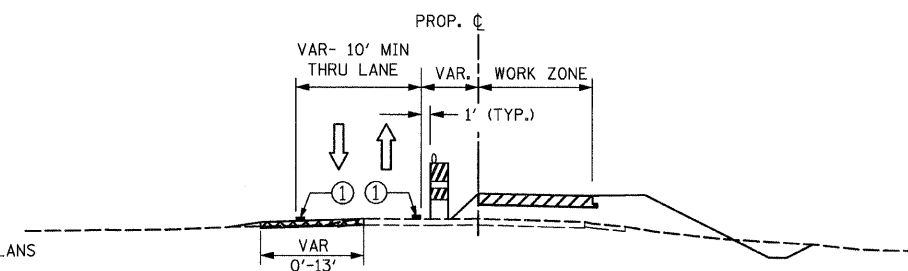
\*\* TEMPORARY CONCRETE BARRIER WILL BE REQUIRED:  
- STA. 187+50 TO STA. 189+00  
- STA. 193+45 TO STA. 194+70  
- STA. 206+50 TO STA. 208+00  
- STA. 218+62.5 TO STA. 220+12.5  
- STA. 223+50 TO STA. 225+00  
- STA. 237+00 TO STA. 238+25  
- STA. 248+00 TO STA. 251+25



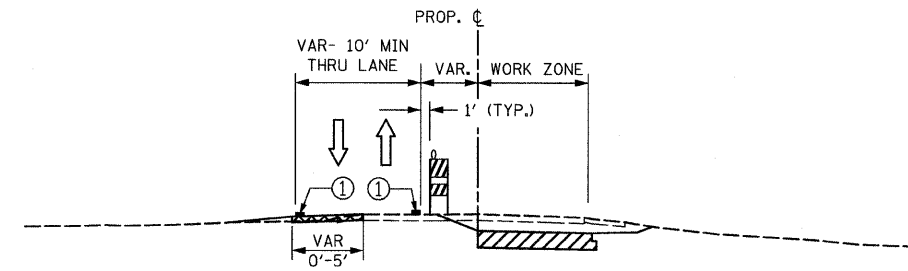
IL. ROUTE 137 TYPICAL SECTION  
STA. 451+25.00 TO STA. 471+20.00



CASEY RD TYPICAL SECTION  
STA. 513+54.03 TO STA. 519+79.76



BROOKHILL RD TYPICAL SECTION  
STA. 507+00.00 TO STA. 509+88.22



FINSTAD DR. TYPICAL SECTION  
STA. 7+50.00 TO STA. 9+93.41

**NOTE:**

-FOR BULL CREEK BRIDGE MOT (STA. 248+49.50 TO STA. 249+16.61) SEE STRUCTURAL PLANS

**LEGEND**

- PAVEMENT CONSTRUCTION
- TEMPORARY PAVEMENT (BUILT IN PRE STAGE)
- NEWLY CONSTRUCTED PAVEMENT (PREVIOUS STAGES)
- TYPE II BARRICADE OR DRUM
- DIRECTION OF TRAFFIC
- VERTICAL PANEL
- TEMPORARY CONCRETE BARRIER
- ① 4" WHITE EDGE LINE
- ② 2-4" YELLOW LANE LINES @ 11" C-C.
- ③ 6" WHITE LANE LINE
- ④ 4" YELLOW EDGE LINE

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	PLOT DATE = 8/11/2011	DATE - 12/17/10	REVISED -

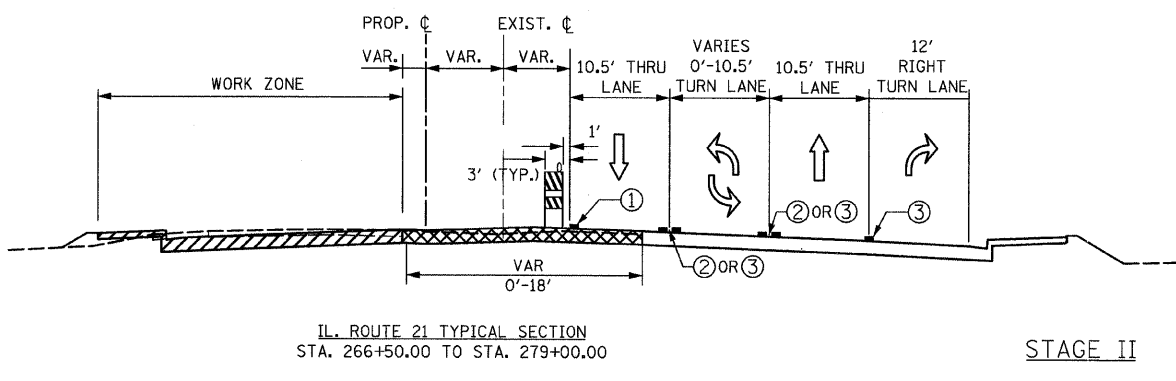
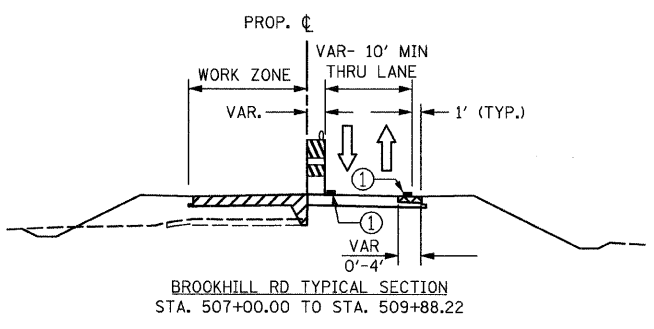
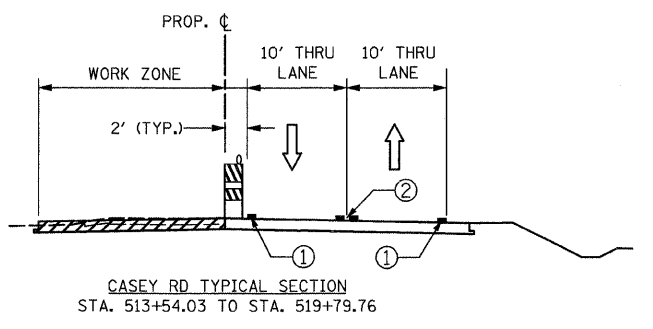
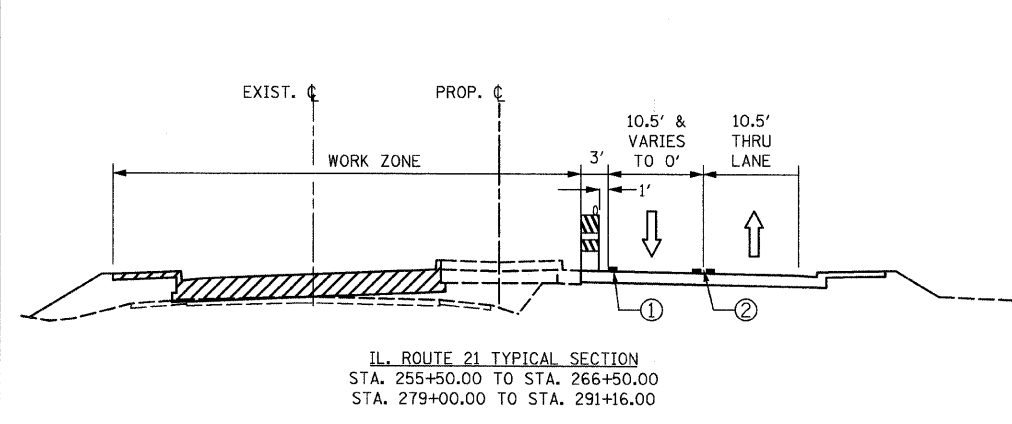
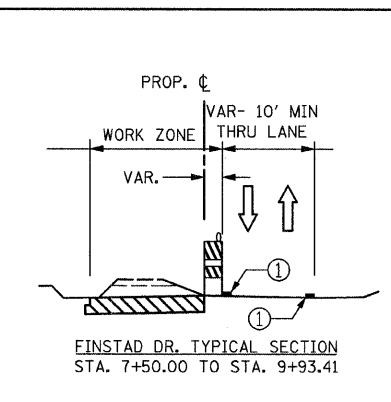
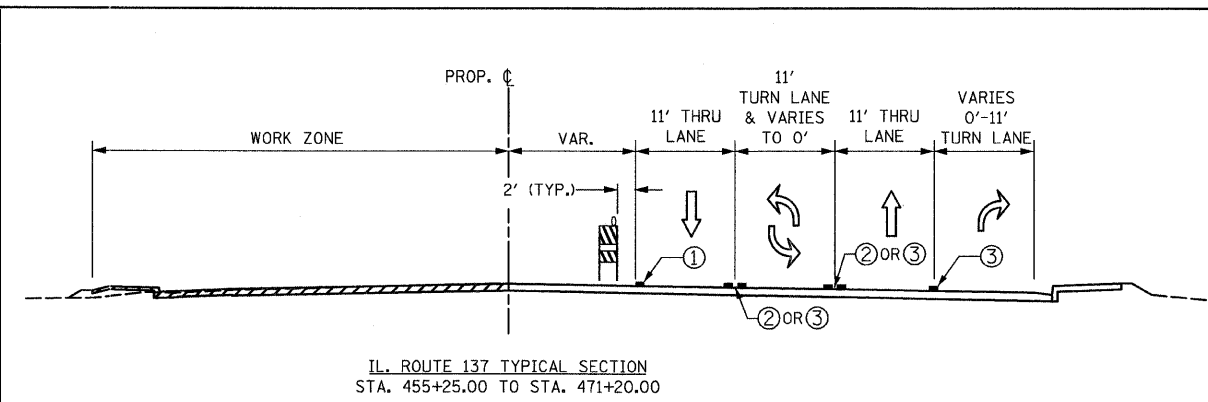
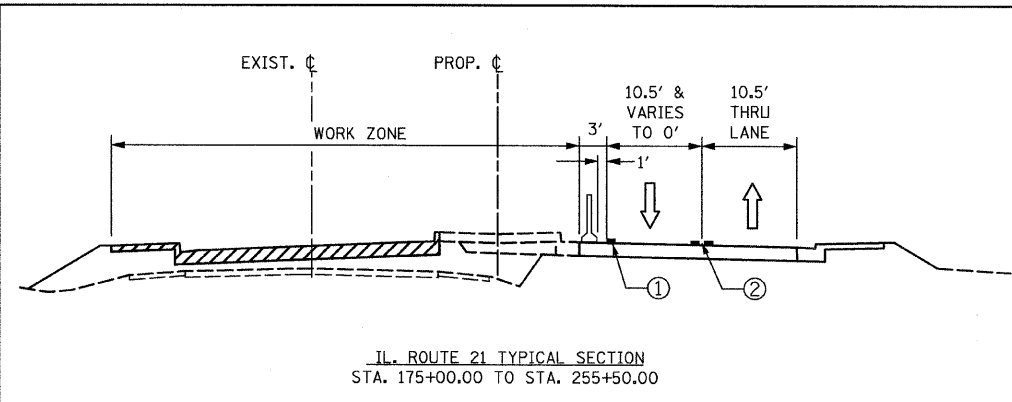
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGING AND TRAFFIC CONTROL TYPICAL SECTIONS STAGE I  
IL RTE 21 (MILWAUKEE AVE)**

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

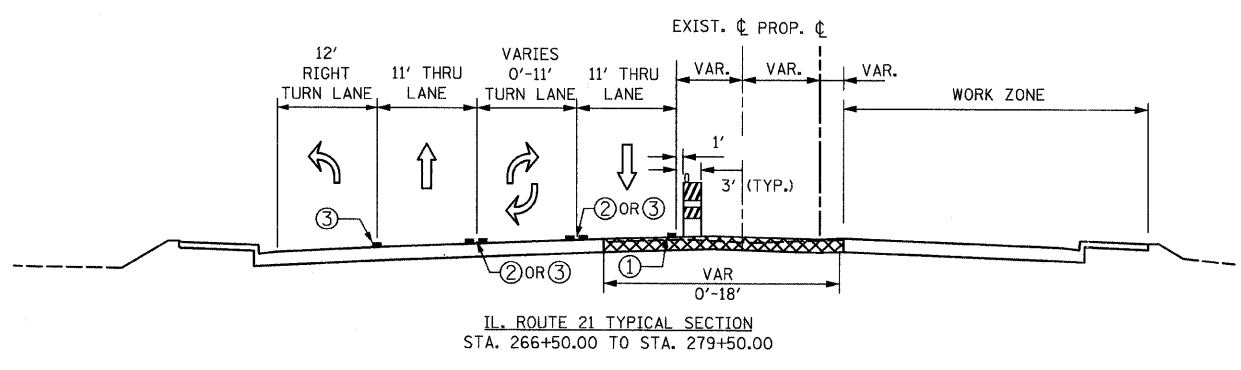
F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 61
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



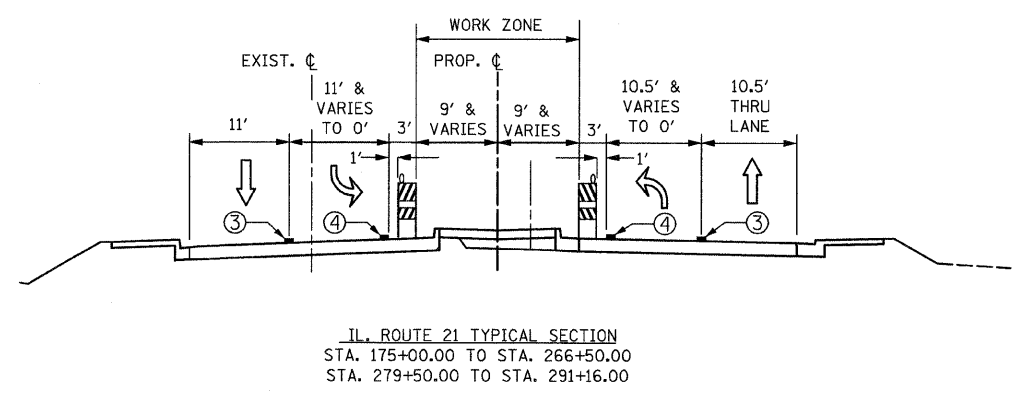


- LEGEND**
- PAVEMENT CONSTRUCTION
  - TEMPORARY PAVEMENT
  - NEWLY CONSTRUCTED PAVEMENT (PREVIOUS STAGES)
  - TYPE II BARRICADE OR DRUM
  - DIRECTION OF TRAFFIC
  - VERTICAL PANEL
  - TEMPORARY CONCRETE BARRIER
  - ① 4" WHITE EDGE LINE
  - ② 2-4" YELLOW LANE LINES @ 11" c-c.
  - ③ 6" WHITE LANE LINE
  - ④ 4" YELLOW EDGE LINE

STAGE II



STAGE III

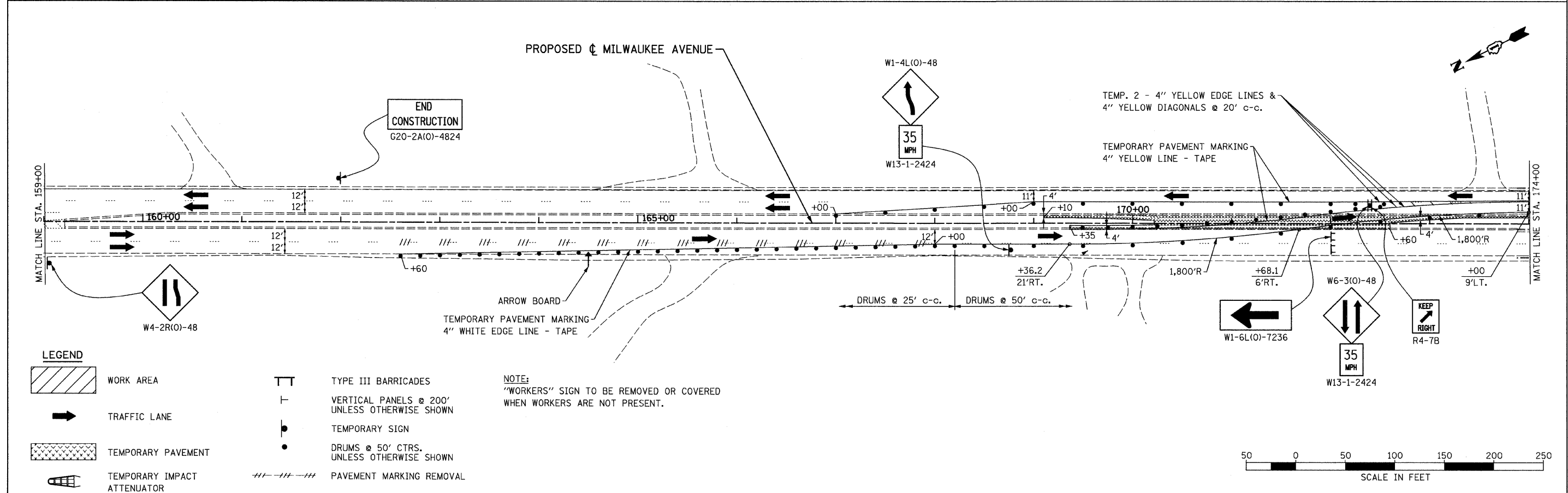
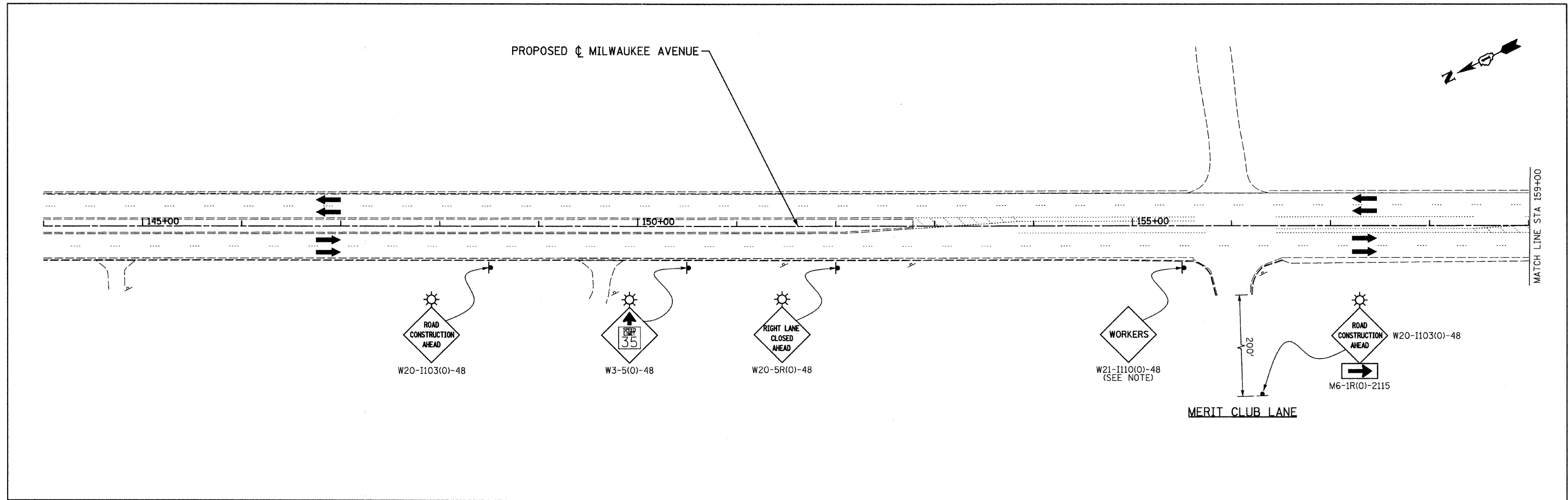


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PLOT DATE = 8/11/2011	DATE - 12/17/10		REVISED -

STATE OF ILLINOIS	DESIGNED - EJM	REVISED -
DEPARTMENT OF TRANSPORTATION	DRAWN - BK	REVISED -
	CHECKED - GFL	REVISED -
	DATE - 12/17/10	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>			
<b>STAGING AND TRAFFIC CONTROL TYPICAL SECTIONS STAGE II &amp; III IL RTE 21 (MILWAUKEE AVE)</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

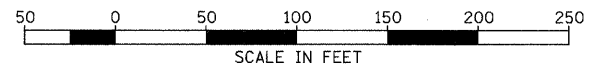
F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 62
CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**LEGEND**

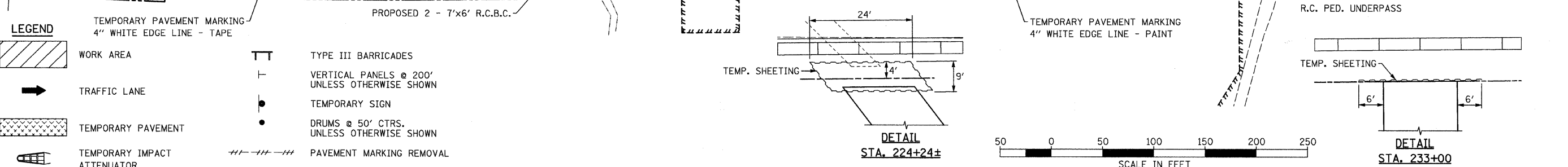
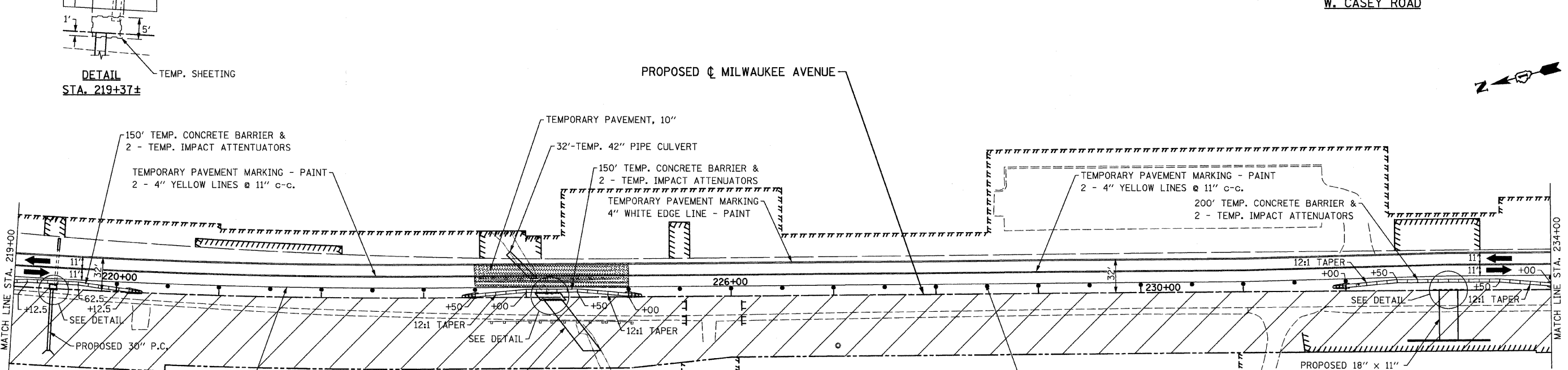
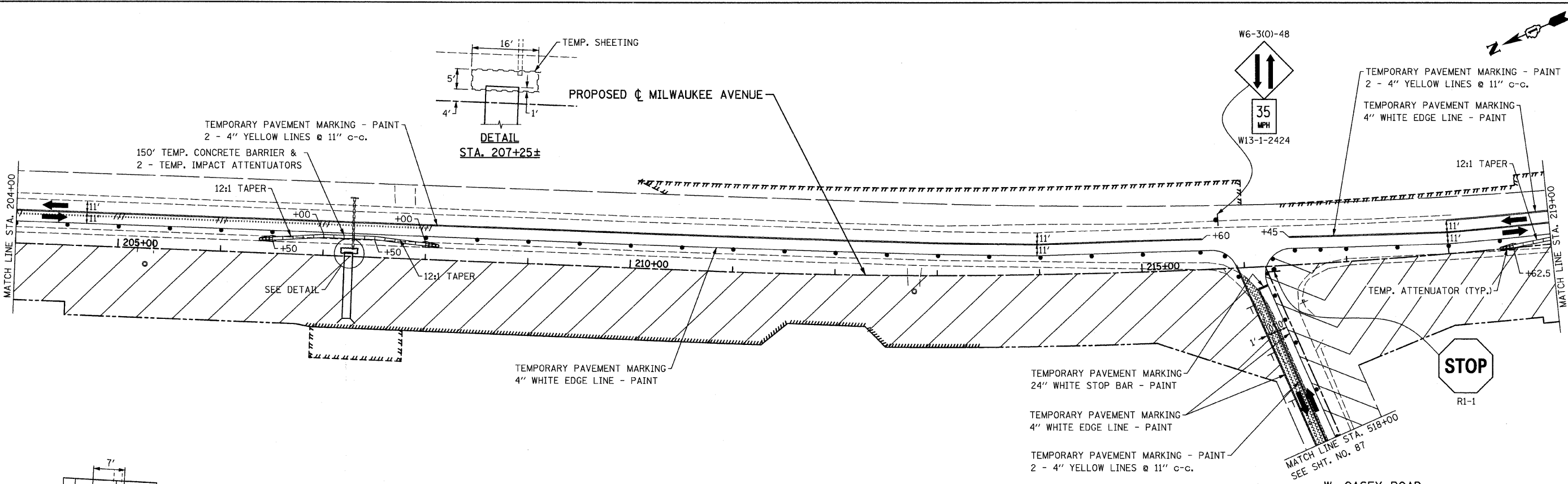
- WORK AREA
- TRAFFIC LANE
- TEMPORARY PAVEMENT
- TEMPORARY IMPACT ATTENUATOR
- TYPE III BARRICADES
- VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
- TEMPORARY SIGN
- DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
- PAVEMENT MARKING REMOVAL

**NOTE:**  
 "WORKERS" SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

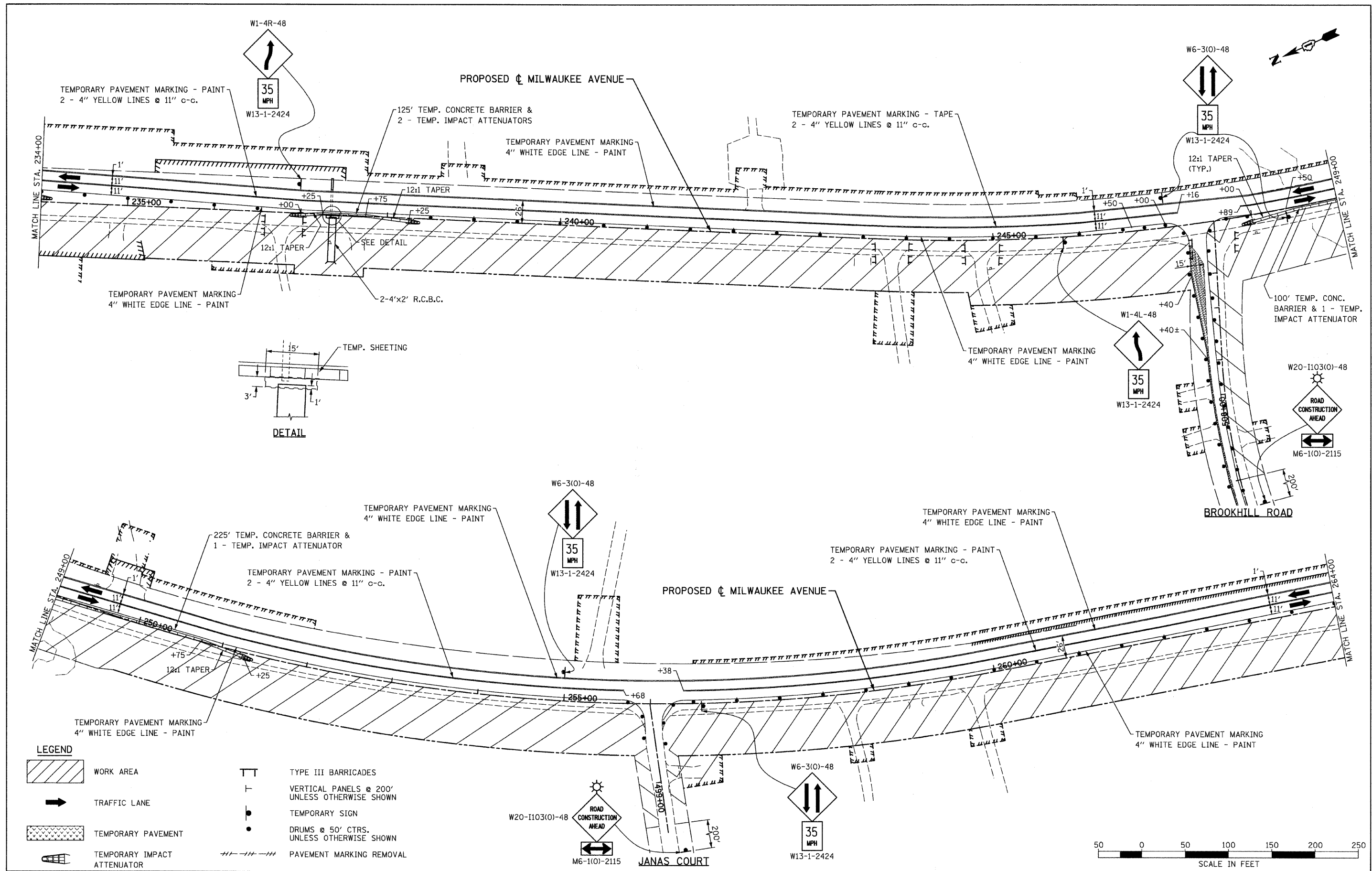


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PLOT SCALE = 50.0000' / IN.		DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 144+00.00 TO STA. 174+00.00	CONTRACT NO. 60953		
PLOT DATE = 8/11/2011		CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									



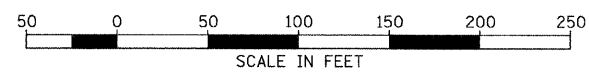


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PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 204+00.00 TO STA. 234+00.00	CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	DATE - 4/30/2011		REVISED -		ILLINOIS FED. AID PROJECT							

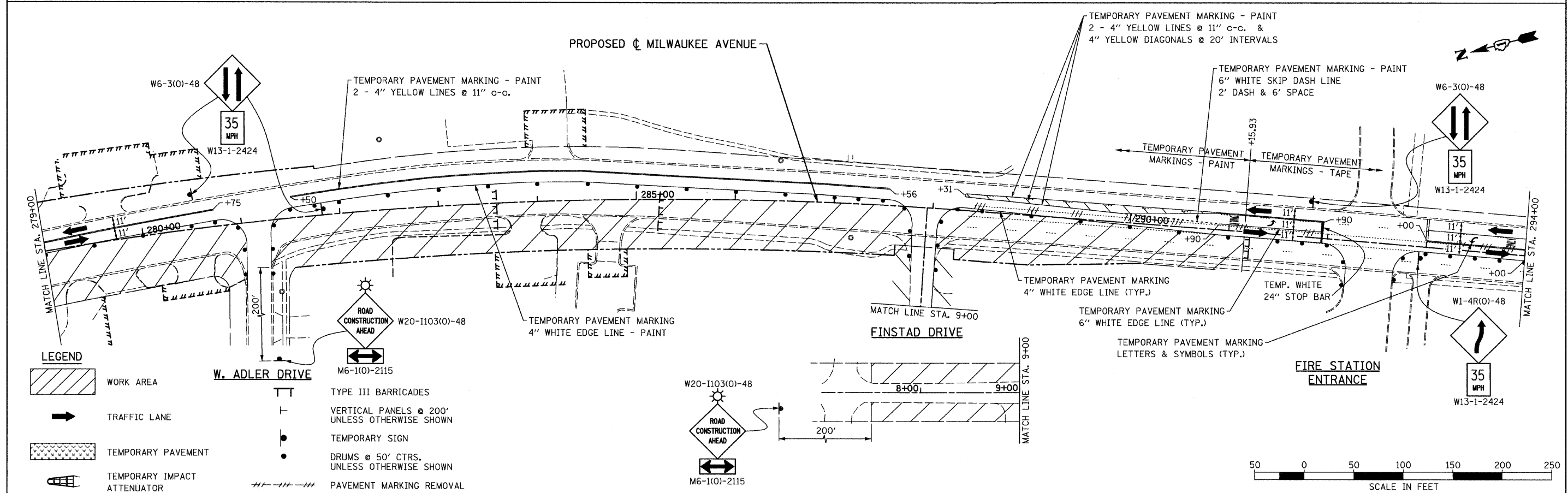
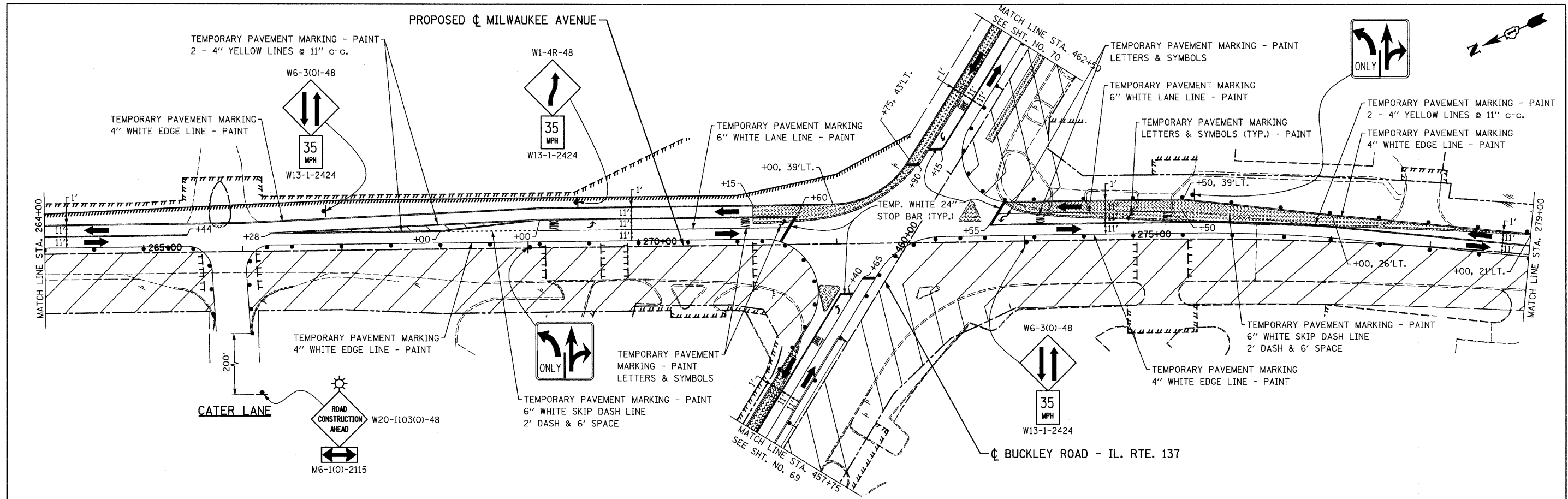


**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
	TEMPORARY IMPACT ATTENUATOR		DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

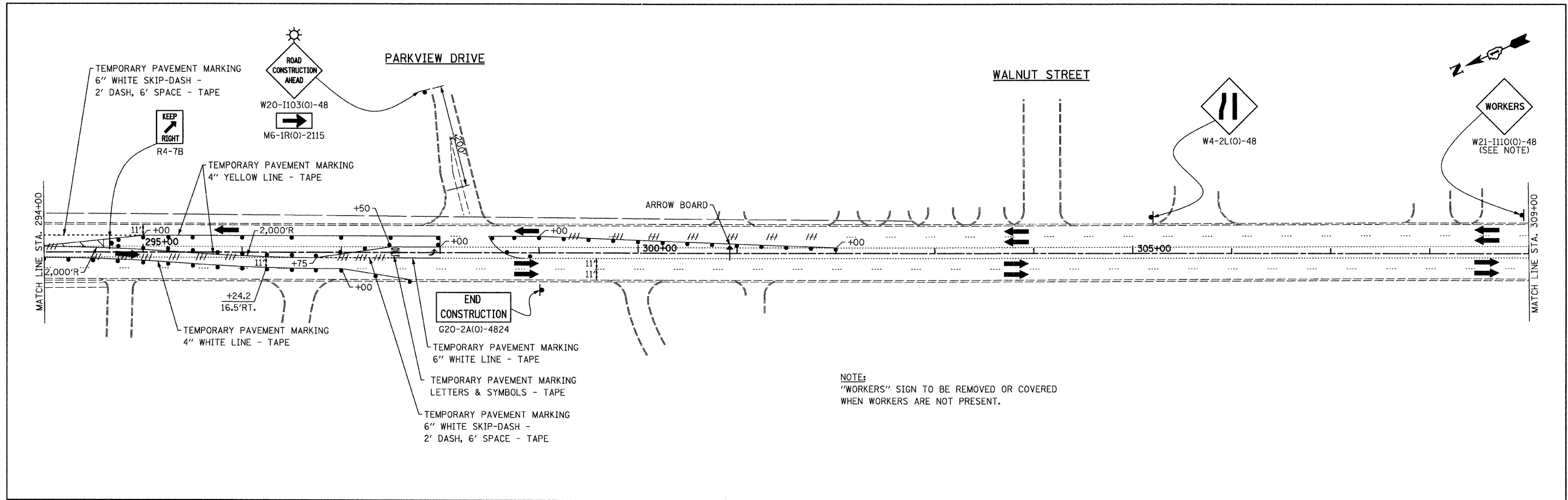


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PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DRAWN - BK	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 234+00.00 TO STA. 264+00.00	CONTRACT NO. 60953		
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISIONS	REVISIONS			ILLINOIS FED. AID PROJECT					

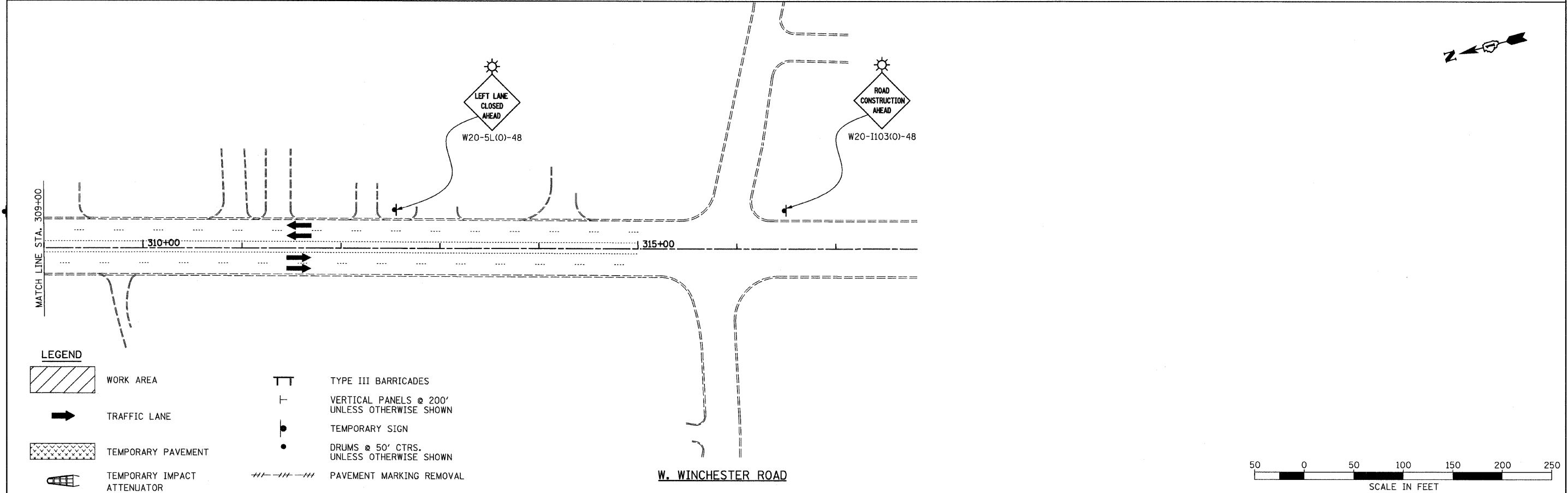


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PLOT SCALE = 50.0000' / IN.	DRAWN - BK	CHECKED - GFL	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 264+00.00 TO STA. 294+00.00	CONTRACT NO. 60953			
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						



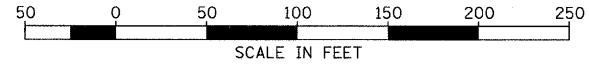


NOTE:  
 "WORKERS" SIGN TO BE REMOVED OR COVERED  
 WHEN WORKERS ARE NOT PRESENT.

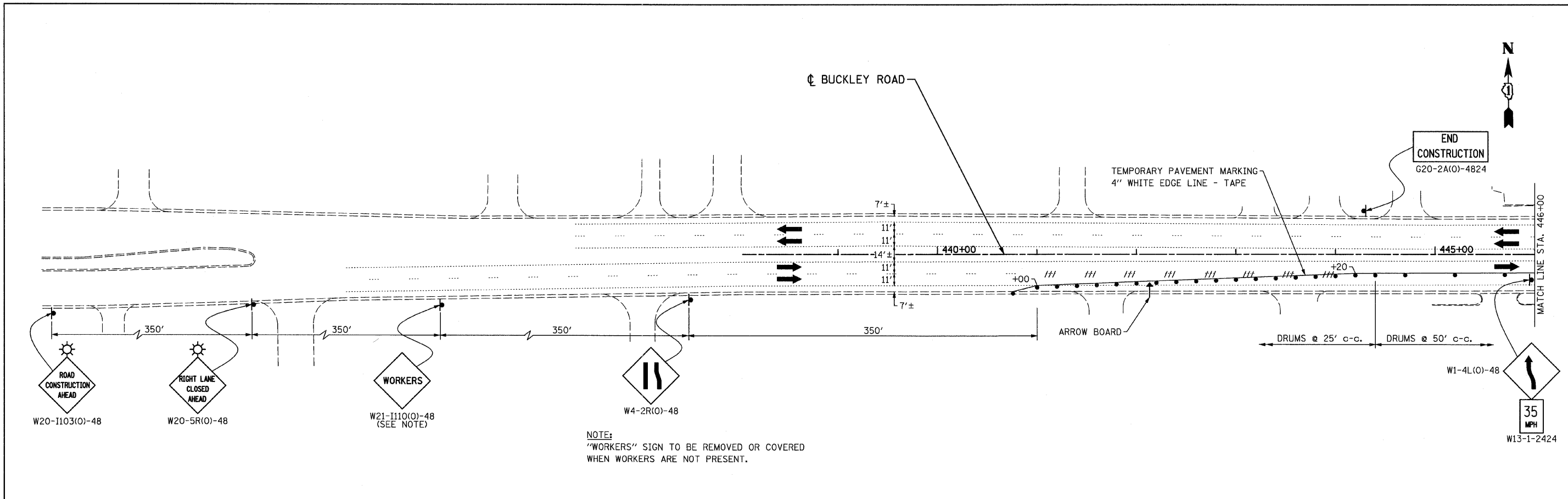


**LEGEND**

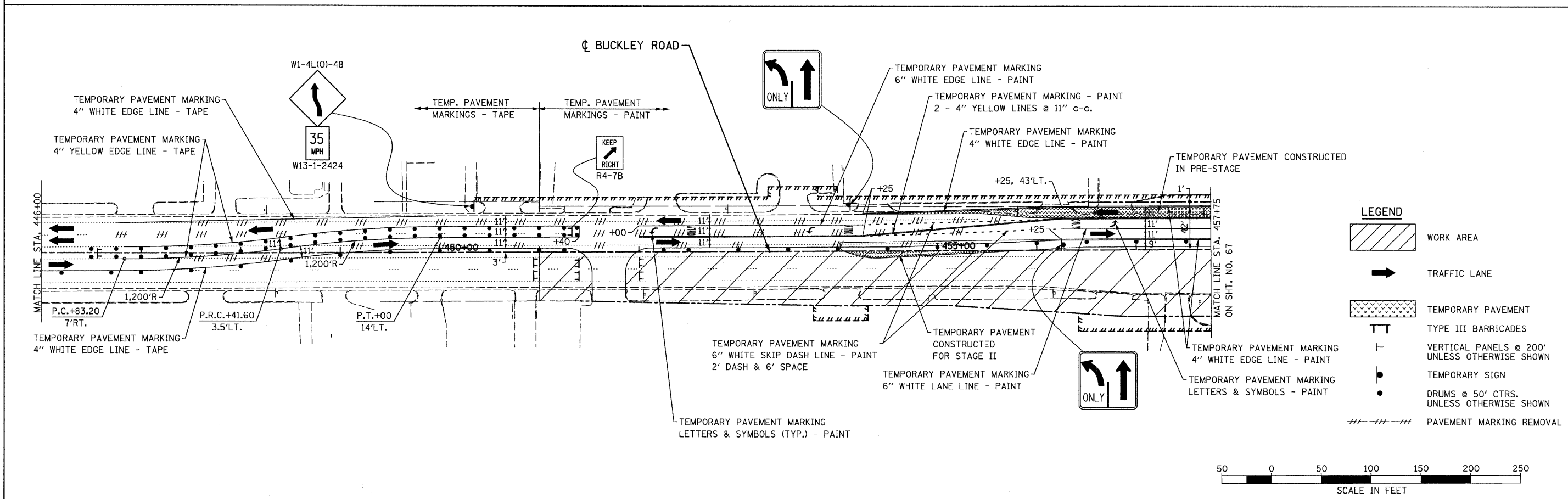
	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
	TEMPORARY IMPACT ATTENUATOR		DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL



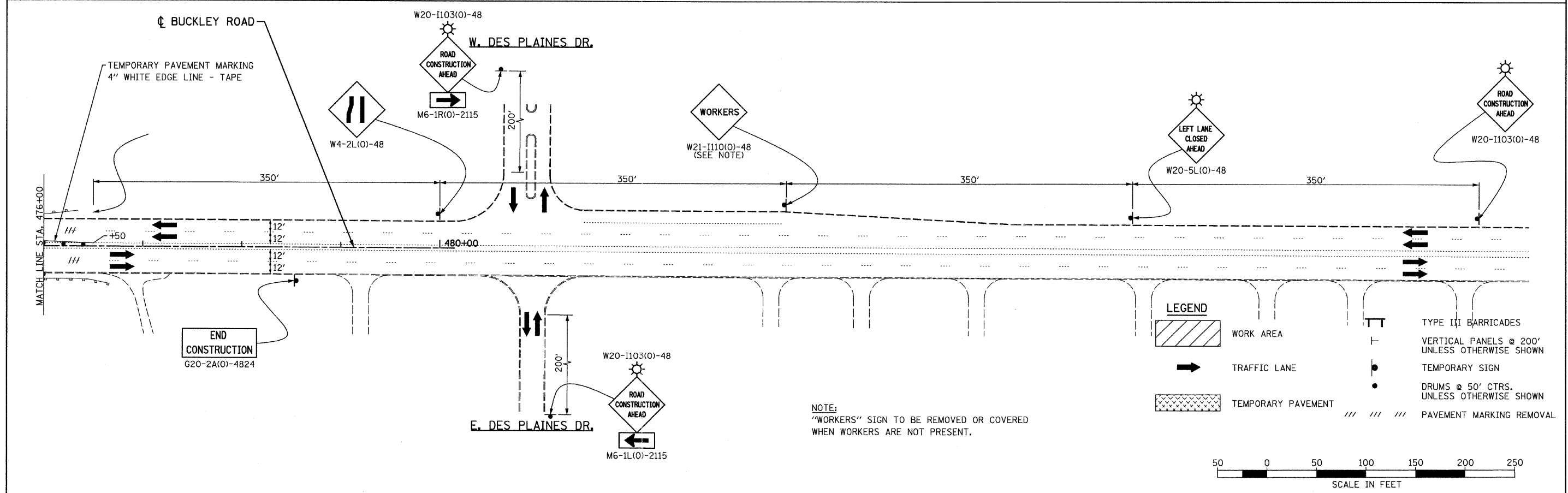
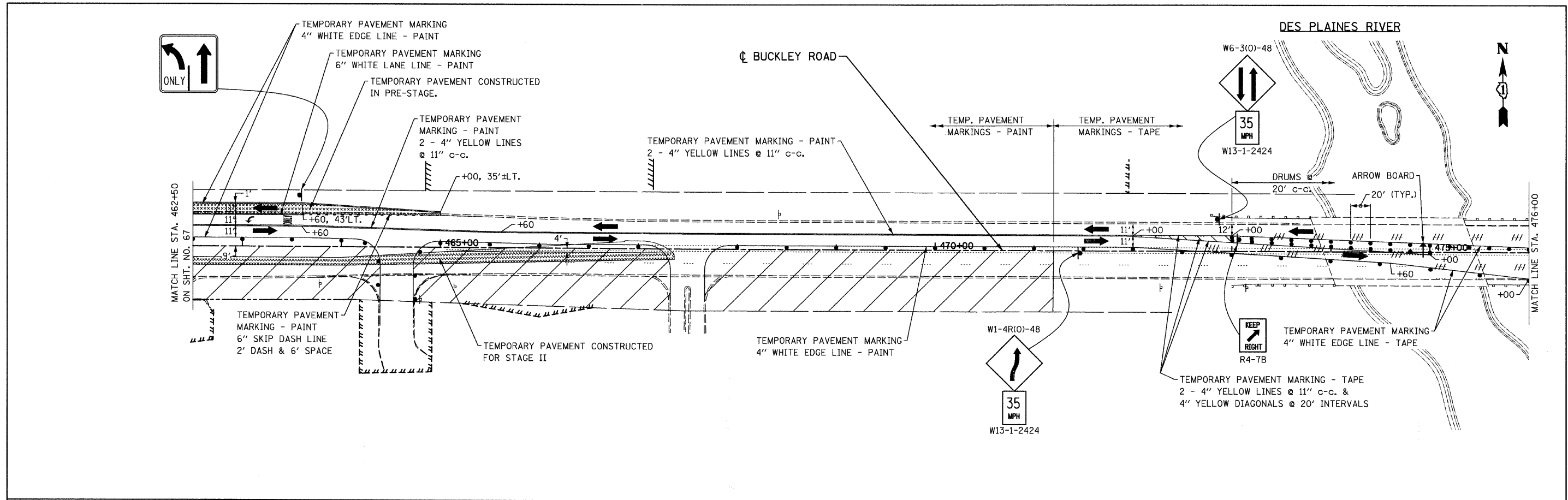
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	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 294+00.00 TO STA. 315+00.00	LAKE	518	68
	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -							CONTRACT NO. 60953		
		DATE - 4/30/2011	REVISED -							ILLINOIS FED. AID PROJECT		



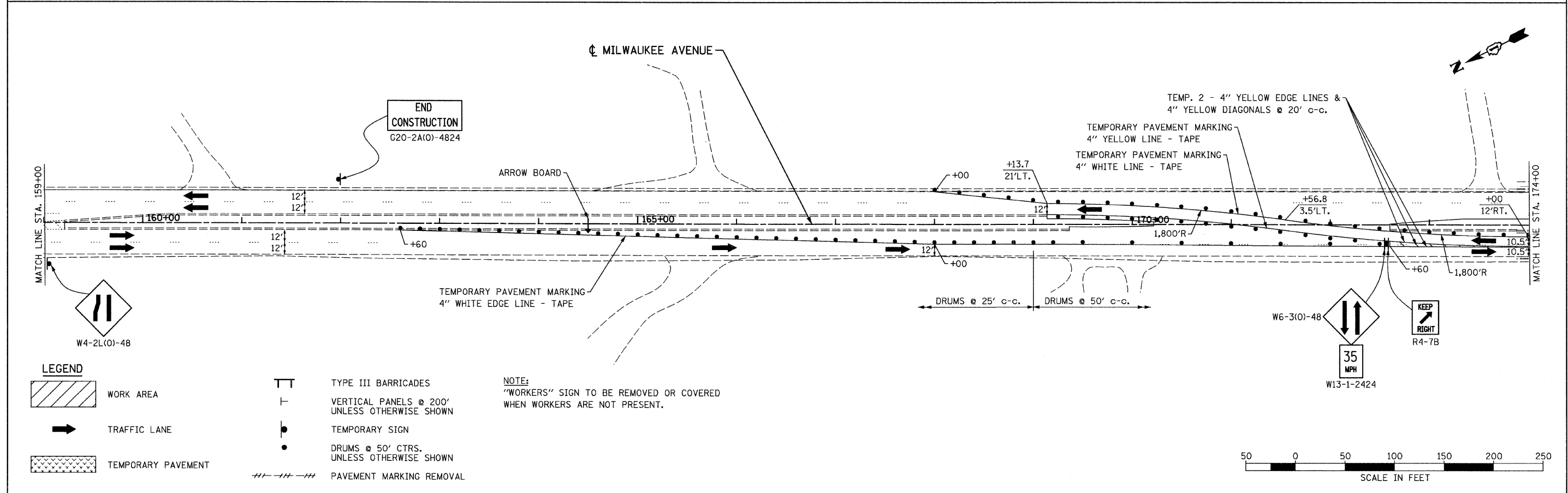
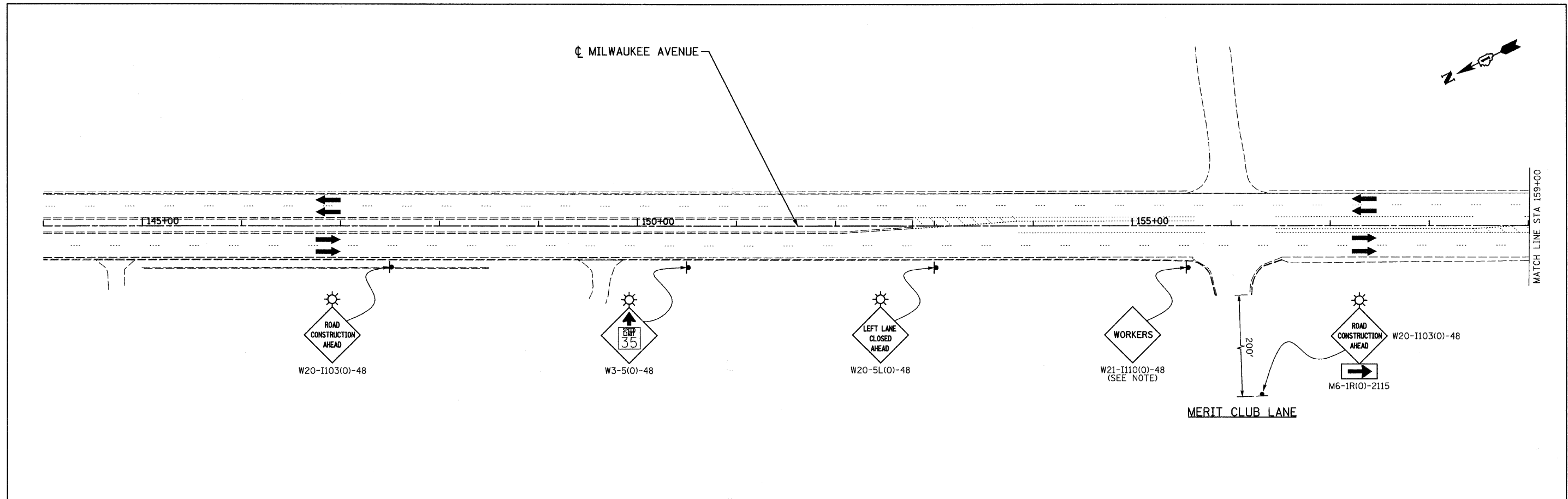
NOTE:  
"WORKERS" SIGN TO BE REMOVED OR COVERED  
WHEN WORKERS ARE NOT PRESENT.



FILE NAME = I:\102901\CADD Sheets\stage1-137-01.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE I IL RTE 137 (BUCKLEY ROAD)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 69
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA. 432+00.00 TO STA. 457+75.00	CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



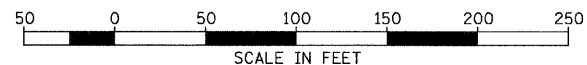
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		CHECKED - GFL	REVISED -		SHEET NO. 2 OF 2 SHEETS	STA. 462+50.00 TO STA. 488+00.00			ILLINOIS FED. AID PROJECT			
		DATE - 4/30/2011	REVISED -									



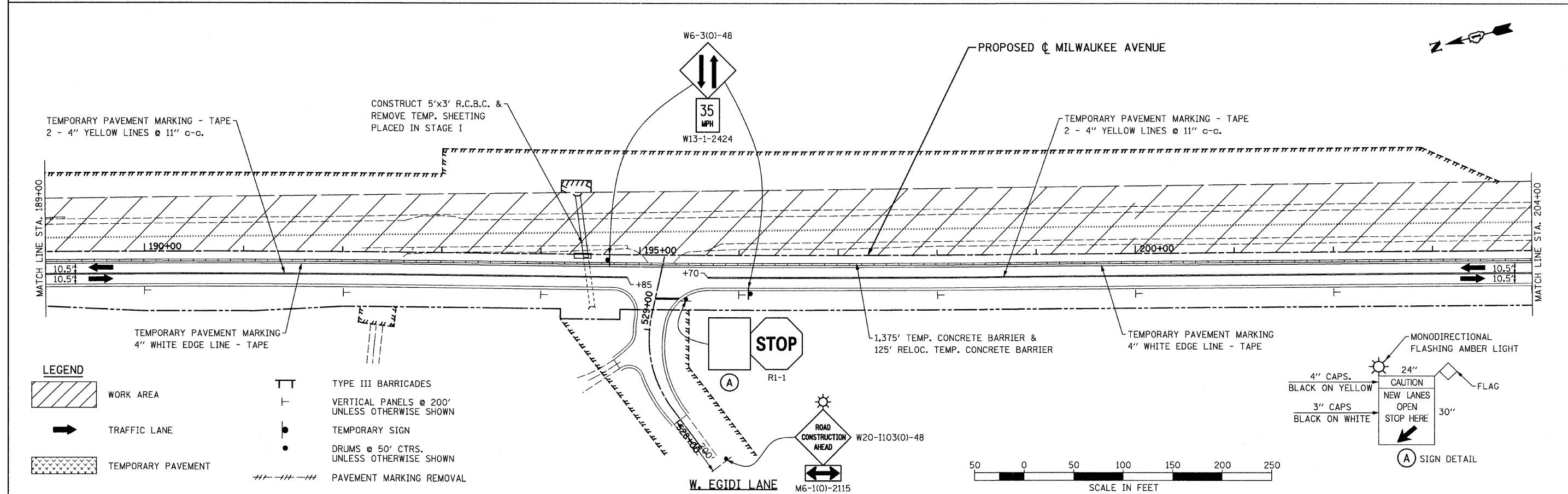
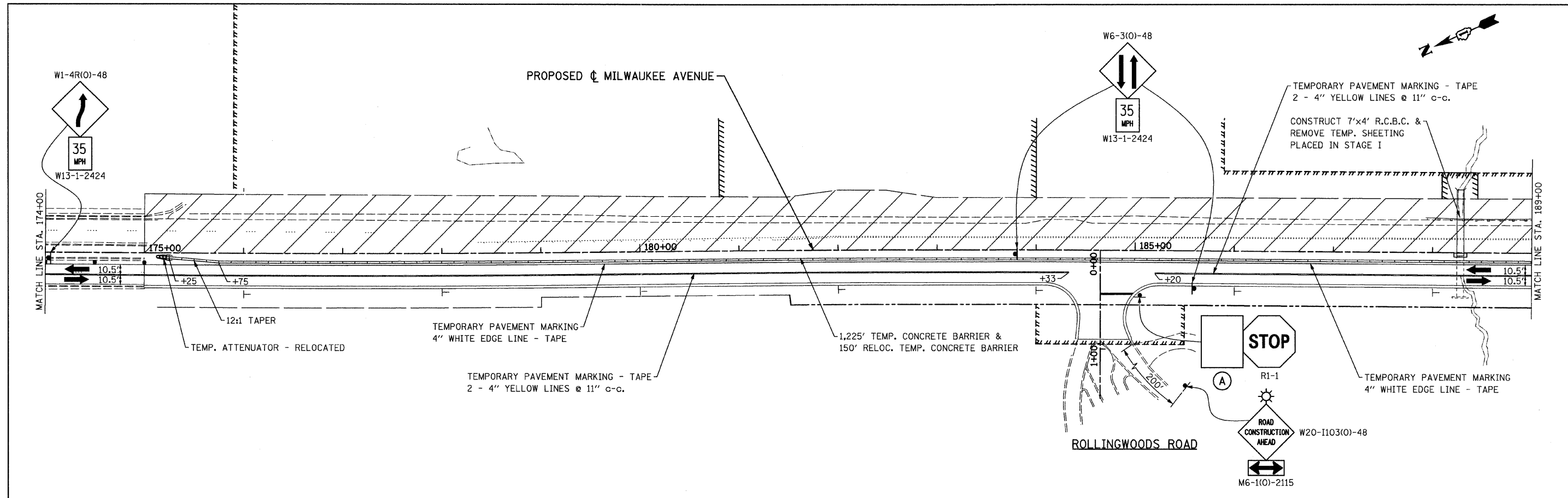
**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
			DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

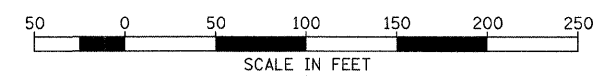
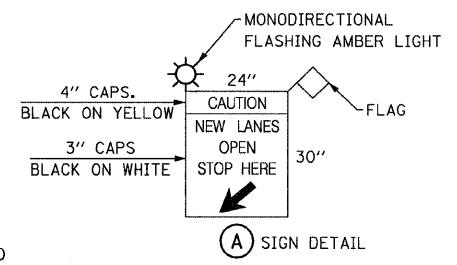
**NOTE:**  
"WORKERS" SIGN TO BE REMOVED OR COVERED  
WHEN WORKERS ARE NOT PRESENT.



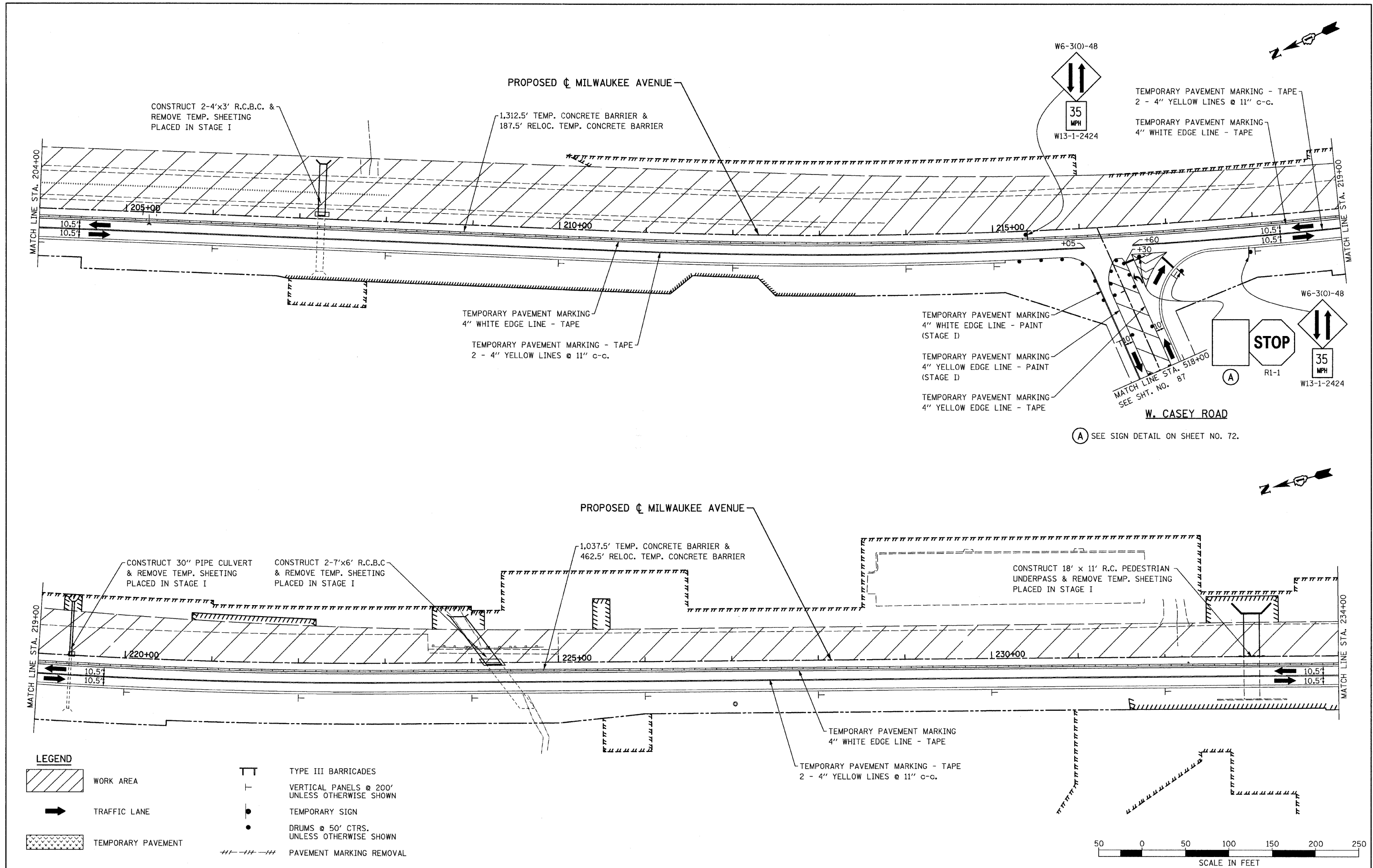
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	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									



- LEGEND**
- WORK AREA
  - TRAFFIC LANE
  - TEMPORARY PAVEMENT
  - TYPE III BARRICADES
  - VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
  - TEMPORARY SIGN
  - DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
  - PAVEMENT MARKING REMOVAL

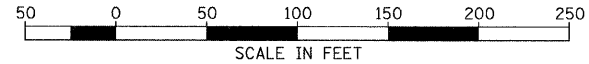


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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



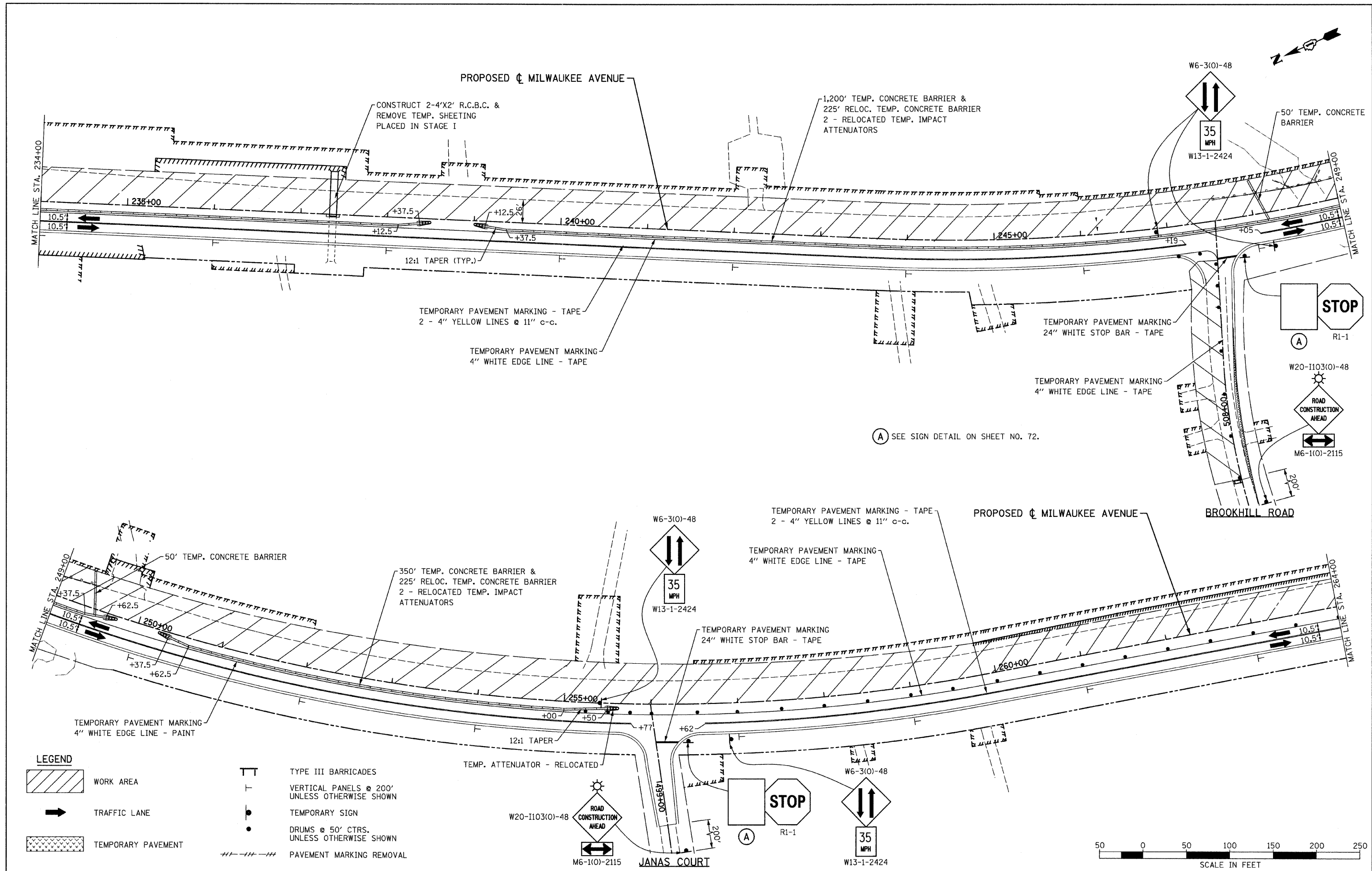
**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
			DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

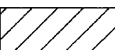






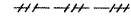


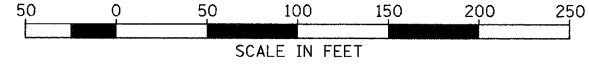
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PLOT DATE = 8/11/2011					DATE - 4/30/2011							
					REVISED -	ILLINOIS FED. AID PROJECT						



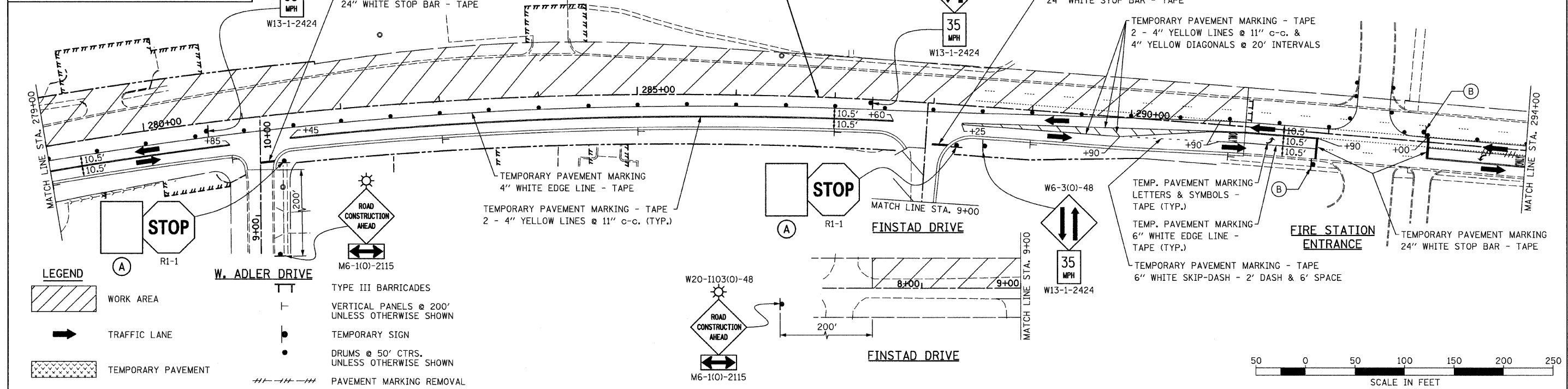
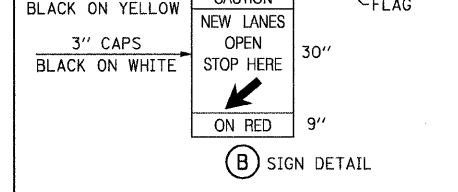
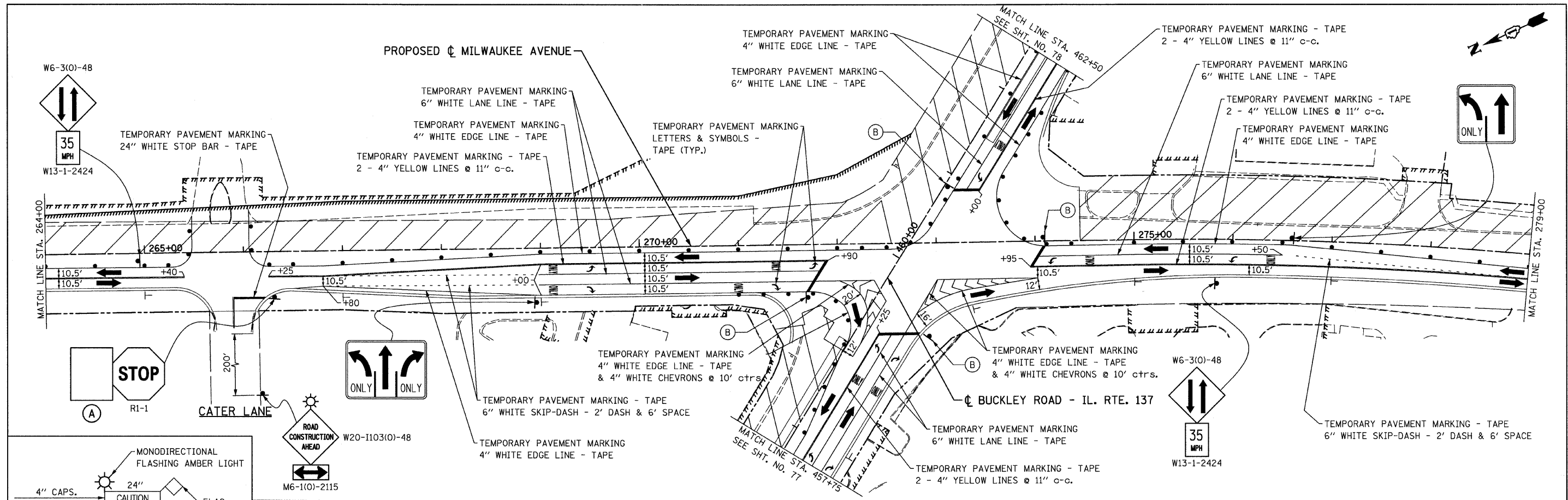


**LEGEND**

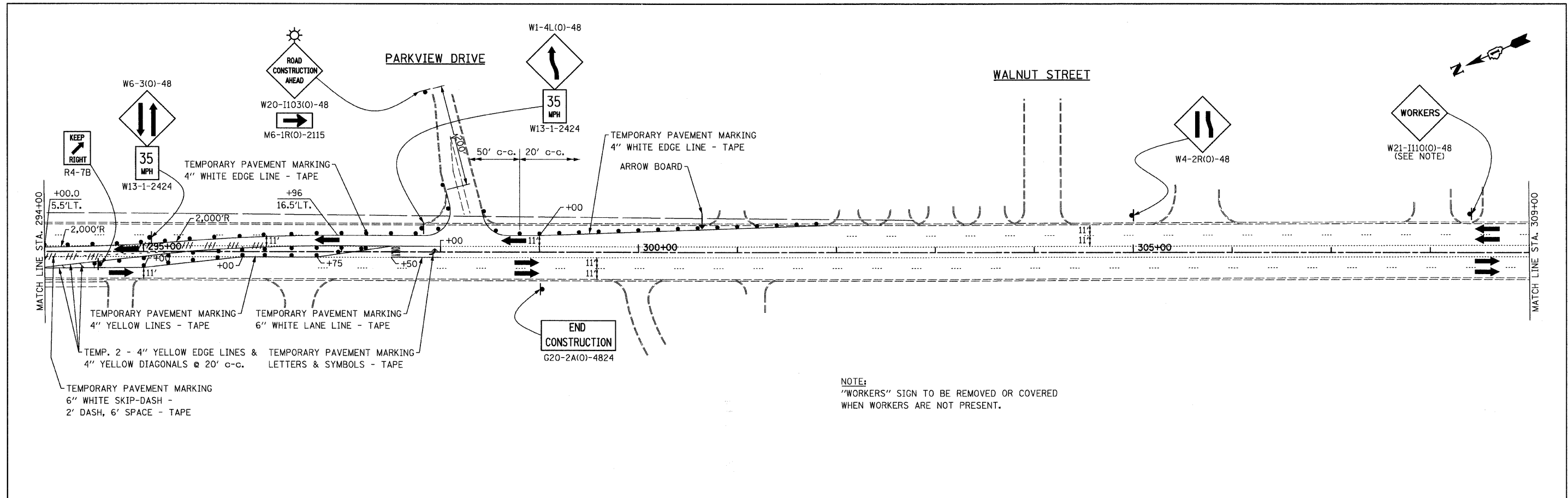
-  WORK AREA
-  TRAFFIC LANE
-  TEMPORARY PAVEMENT
-  TYPE III BARRICADES
-  VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
-  PAVEMENT MARKING REMOVAL



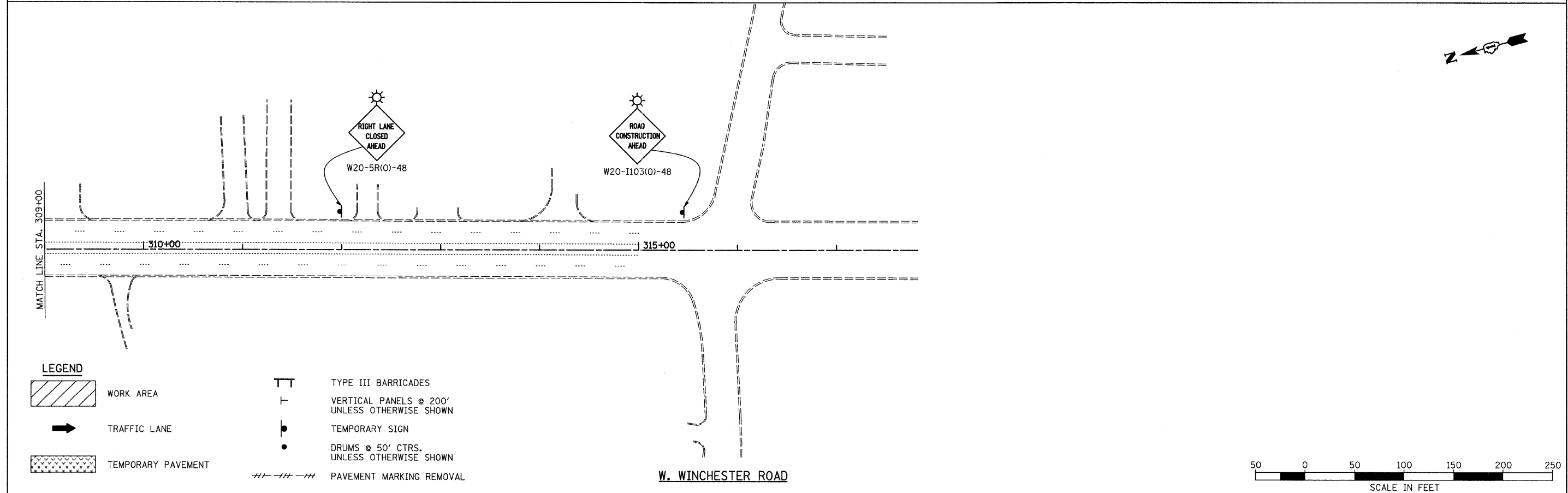
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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = I:\182981\CADD Sheets\stage2-05.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE II IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 75	
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 264+00.00 TO STA. 294+00.00	CONTRACT NO. 60953		ILLINOIS FED. AID PROJECT
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -								

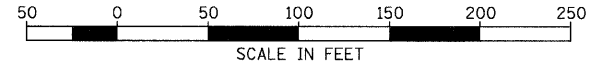


NOTE:  
 "WORKERS" SIGN TO BE REMOVED OR COVERED  
 WHEN WORKERS ARE NOT PRESENT.

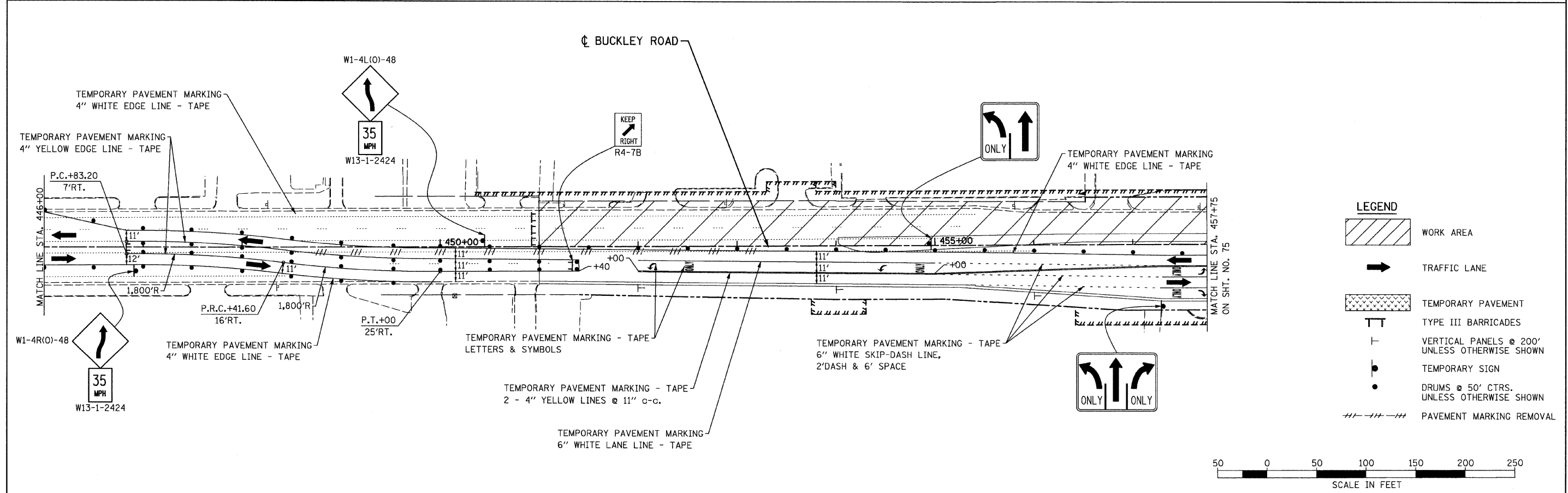
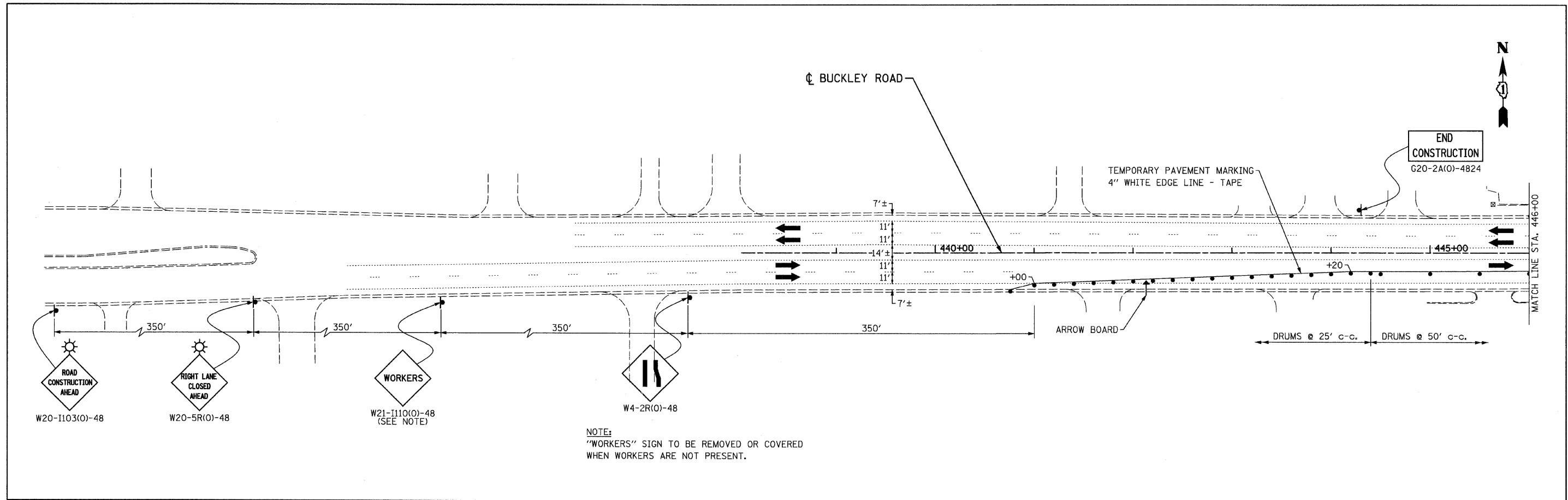


**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
			DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

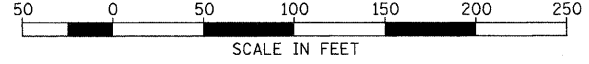


FILE NAME = I:\102901\CADD Sheets\stage2-26.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE II IL RTE 21 (MILWAUKEE AVE)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 76
	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 294+00.00 TO STA. 315+00.00	CONTRACT NO. 60953		
	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									

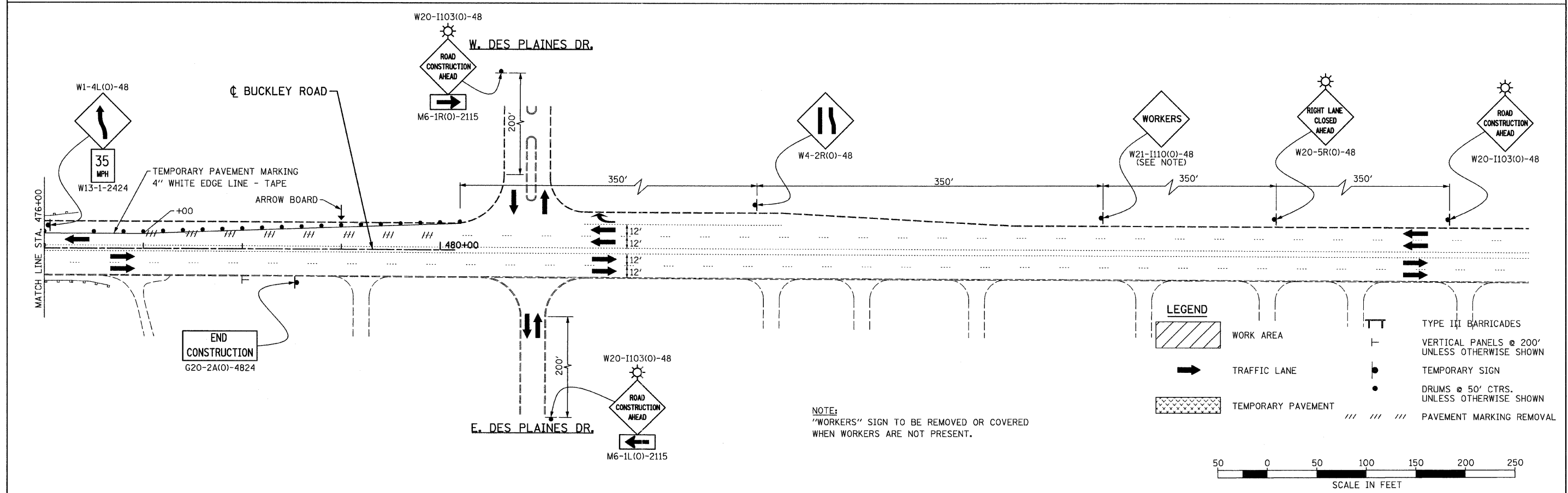
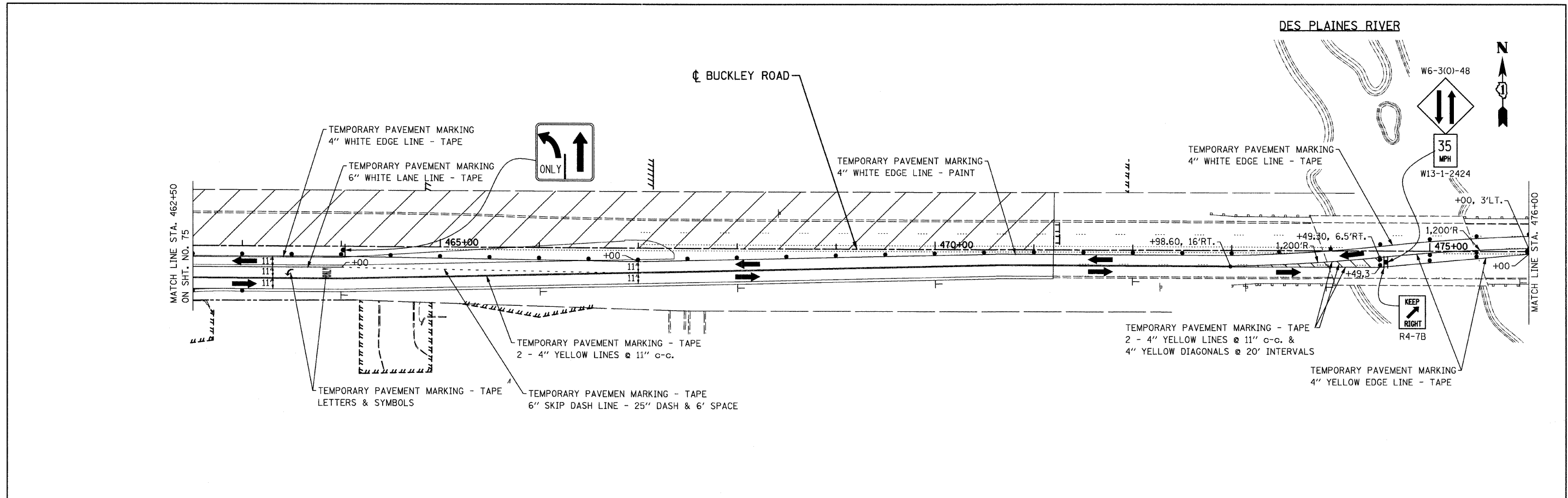


**LEGEND**

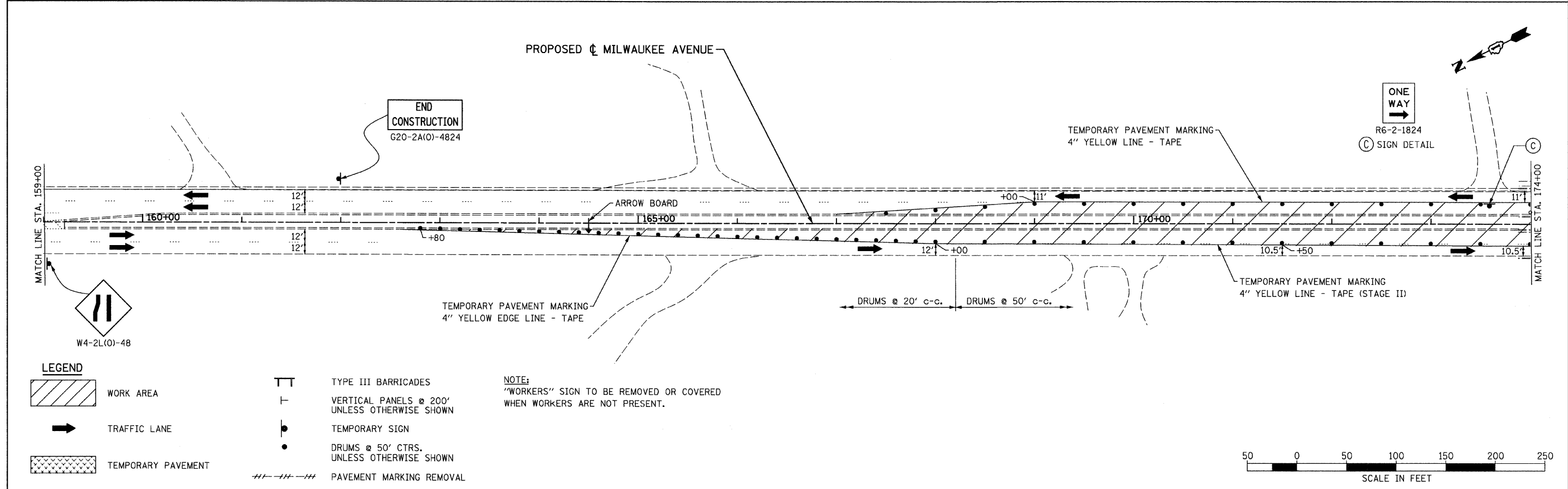
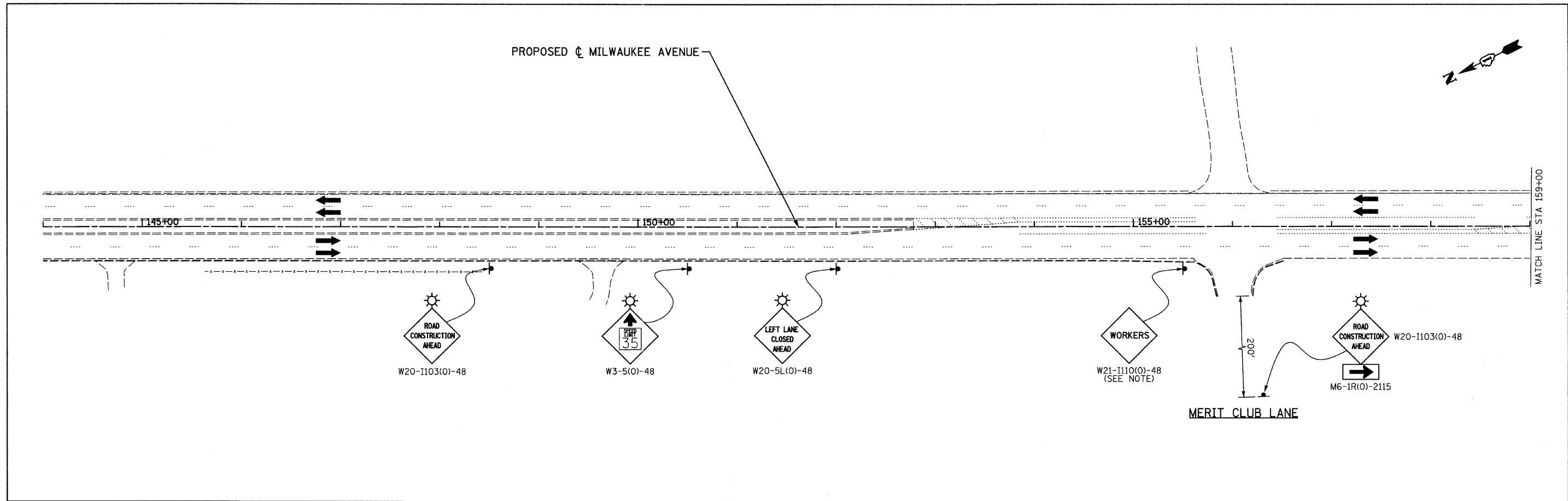
	WORK AREA
	TRAFFIC LANE
	TEMPORARY PAVEMENT
	TYPE III BARRICADES
	VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY SIGN
	DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
	PAVEMENT MARKING REMOVAL



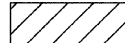


FILE NAME = I:\102901\CADD Sheets\stage2-137-01.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE II IL RTE 137 (BUCKLEY ROAD)</b>		F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 77	
PLOT SCALE = 50.0000 1/ IN.	CHECKED - GFL	DRAWN - BK	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA. 432+00.00 TO STA. 457+75.00	CONTRACT NO. 60953				
PLOT DATE = 8/11/2011	DATE - 4/30/2011	CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									








FILE NAME = 1:\102901\CADD Sheets\stage2-137-82.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE II IL RTE 137 (BUCKLEY ROAD)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 78
					SCALE: SHEET NO. 2 OF 2 SHEETS	STA. 462+50.00 TO STA. 488+00.00		CONTRACT NO. 60953				
					ILLINOIS FED. AID PROJECT							

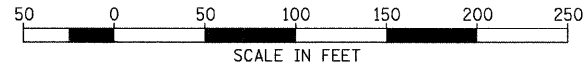


**LEGEND**

-  WORK AREA
-  TRAFFIC LANE
-  TEMPORARY PAVEMENT

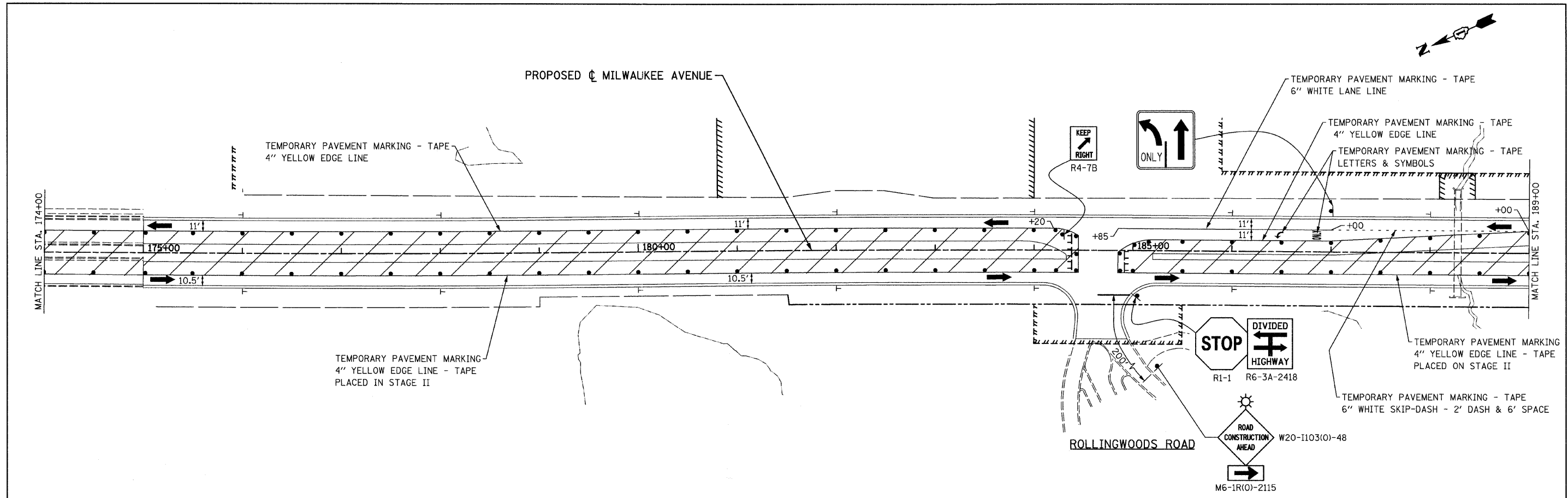
-  TYPE III BARRICADES
-  VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
-  PAVEMENT MARKING REMOVAL

**NOTE:**  
"WORKERS" SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

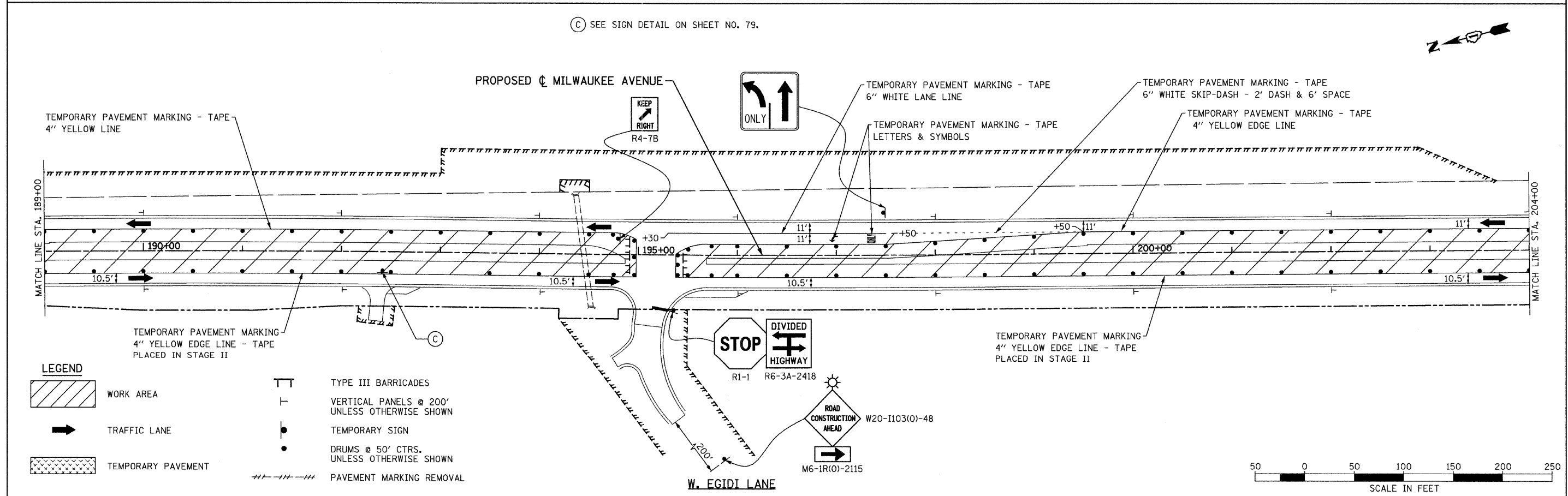


FILE NAME = I:\182901\CADD Sheets\stage3-01.dgn	USER NAME = ID01	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE III IL RTE 21 (MILWAUKEE AVE)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 79
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -		SCALE: 1" = 50'	SHEET NO. 0F	SHEETS	STA. 144+00.00 TO STA. 174+00.00	CONTRACT NO. 60953			
PLOT DATE = 6/11/2011					ILLINOIS FED. AID PROJECT							

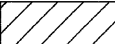






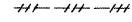


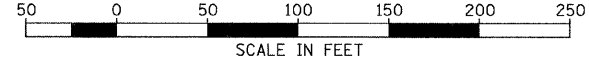


(C) SEE SIGN DETAIL ON SHEET NO. 79.

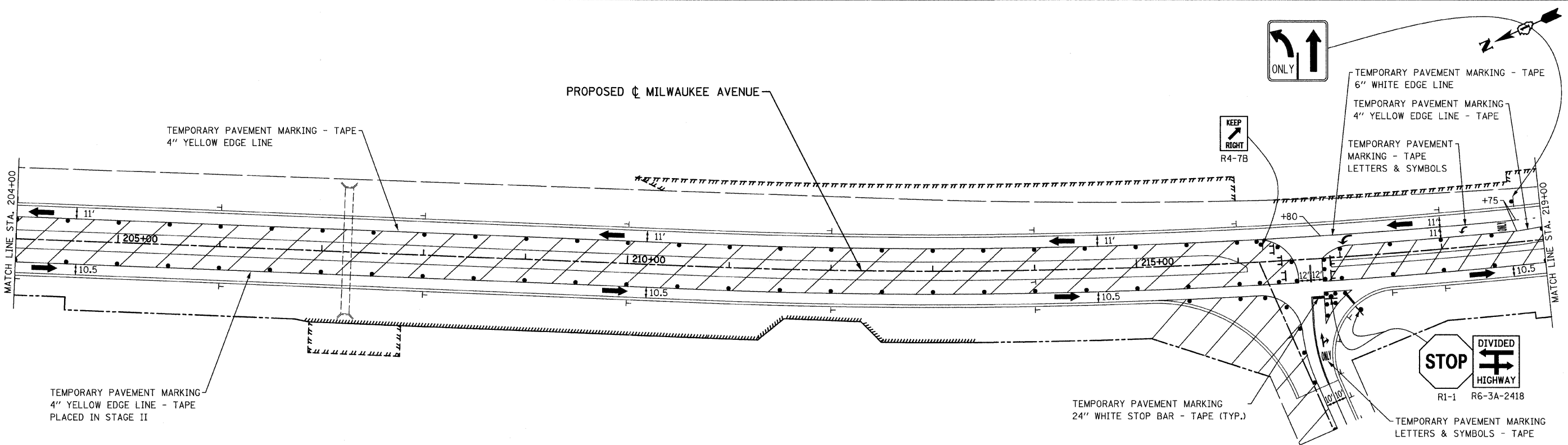


**LEGEND**

-  WORK AREA
-  TRAFFIC LANE
-  TEMPORARY PAVEMENT
-  TYPE III BARRICADES
-  VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
-  TEMPORARY SIGN
-  DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
-  PAVEMENT MARKING REMOVAL

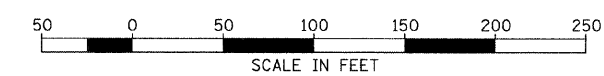
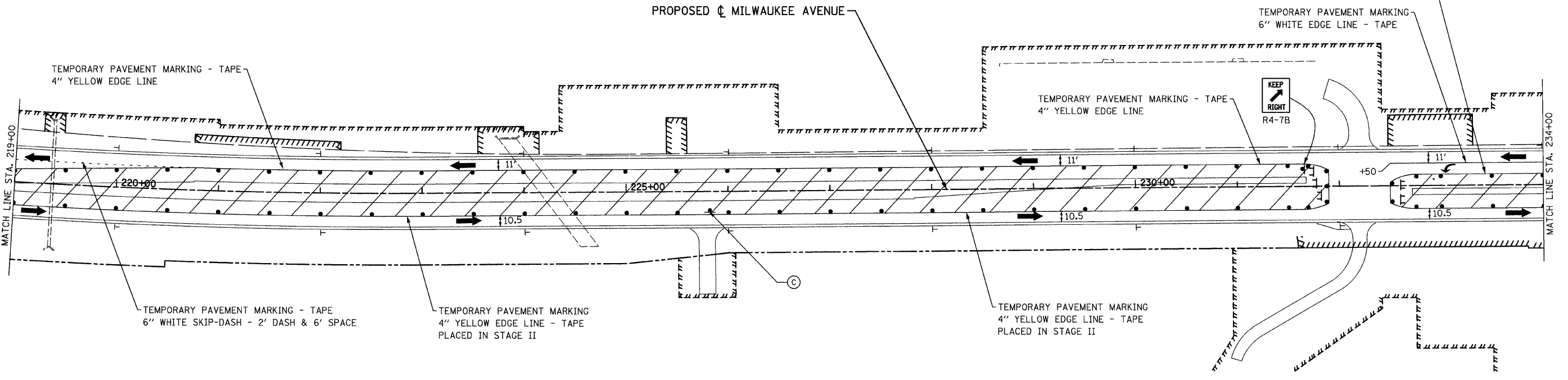


FILE NAME = I:\102901\CADD Sheets\stage3-02.dgn	USER NAME = IDDT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE III IL RTE 21 (MILWAUKEE AVE)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 80
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -		SCALE: 1" = 50'	SHEET NO. OF	SHEETS	STA. 174+00.00 TO STA. 204+00.00	CONTRACT NO. 60953			
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

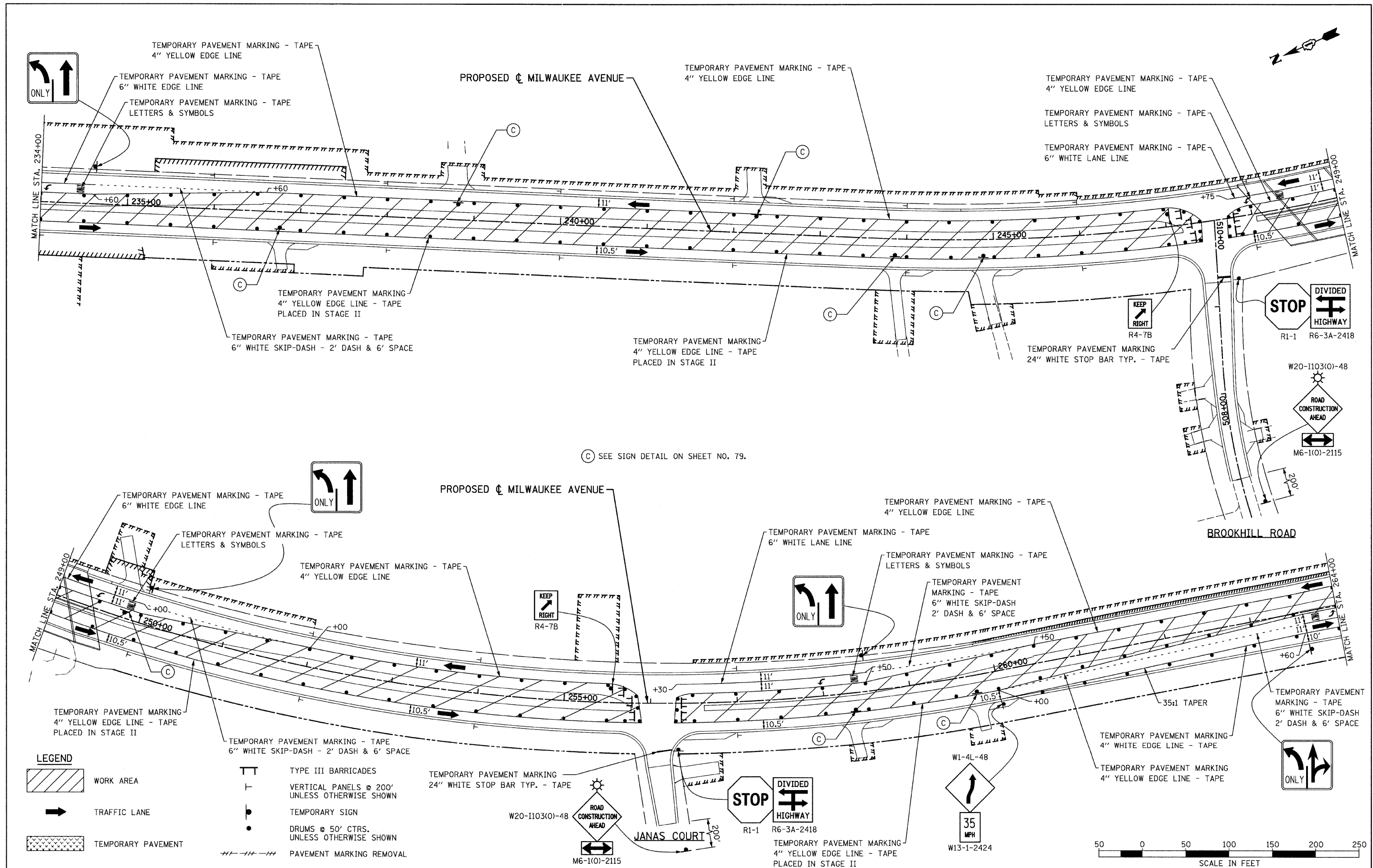


- LEGEND**
- WORK AREA
  - TRAFFIC LANE
  - TEMPORARY PAVEMENT
  - TYPE III BARRICADES
  - VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
  - TEMPORARY SIGN
  - DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
  - PAVEMENT MARKING REMOVAL

(C) SEE SIGN DETAIL ON SHEET NO. 79.

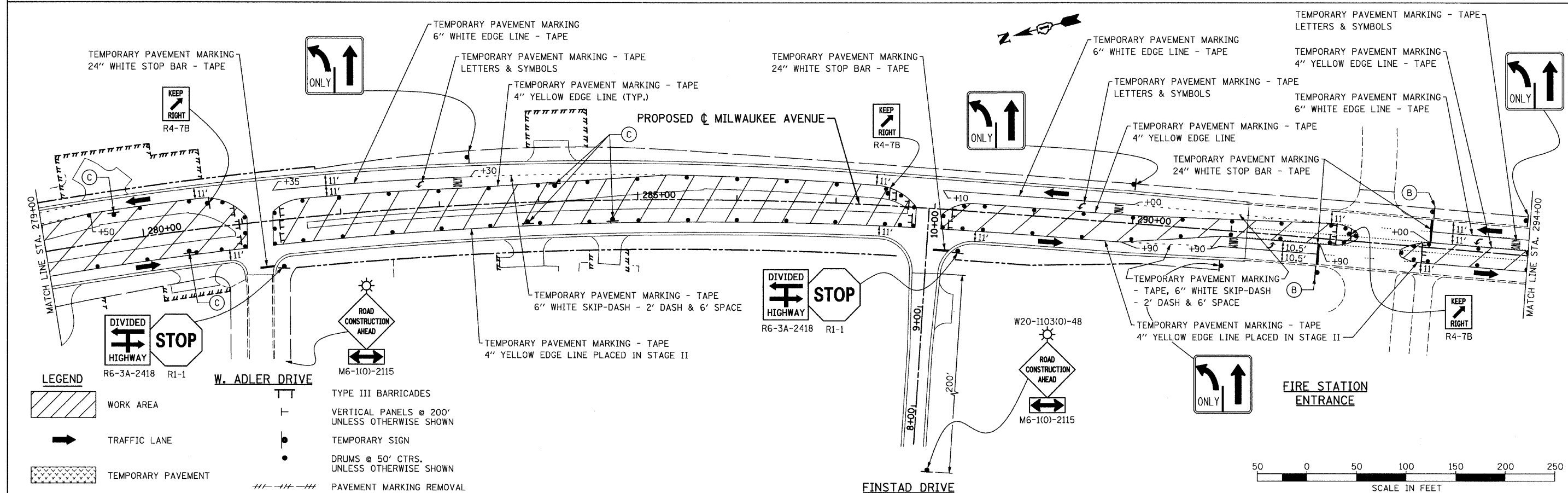
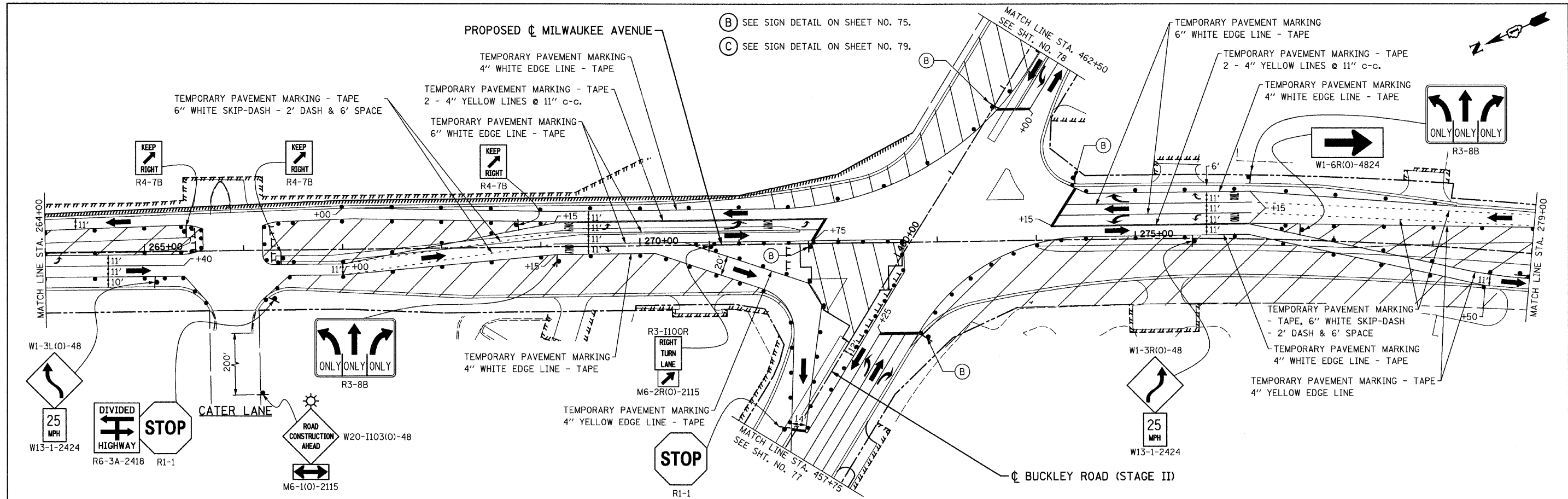


FILE NAME = I:\102901\CADD Sheets\stage3-23.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE III IL RTE 21 (MILWAUKEE AVE)</b>			F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 81
	PLOT SCALE = 50,0000 1/ IN.	DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 204+00.00 TO STA. 234+00.00	CONTRACT NO. 60953		
	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -									
		DATE - 4/30/2011	REVISED -		ILLINOIS FED. AID PROJECT							



© SEE SIGN DETAIL ON SHEET NO. 79.

FILE NAME = I:\102901\CADD Sheets\stage3-04.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL</b> <b>STAGE III</b> <b>IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 82		
PLOT SCALE = 50.0000' / IN.	DRAWN - BK	CHECKED - GFL	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 234+00.00 TO STA. 264+00.00	CONTRACT NO. 60953			
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISOR -	REVISOR -			ILLINOIS FED. AID PROJECT						



**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
			DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

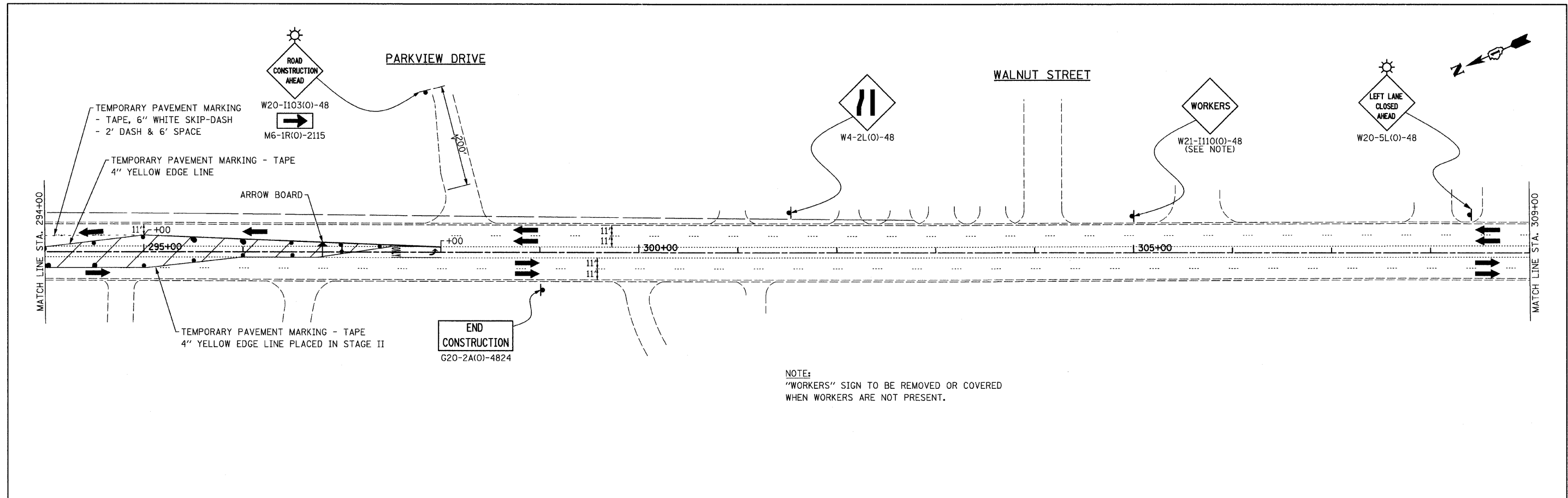
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	PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISED -
	PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

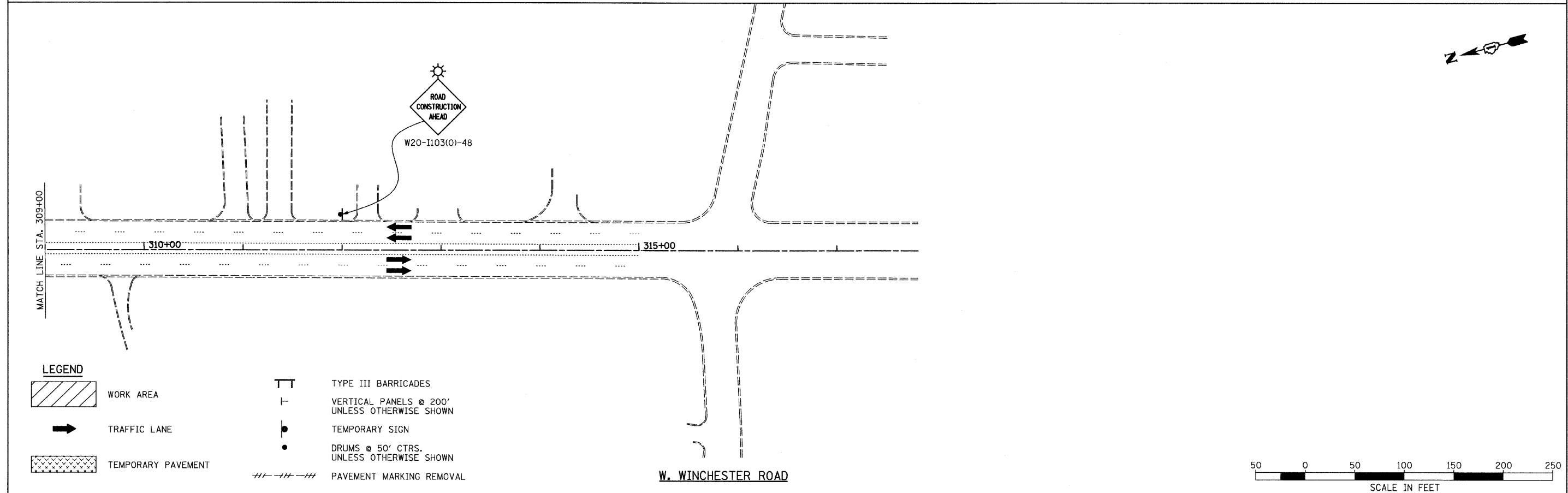
**STAGING AND TRAFFIC CONTROL  
STAGE III  
IL RTE 21 (MILWAUKEE AVE)**

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 264+00.00 TO STA. 294+00.00

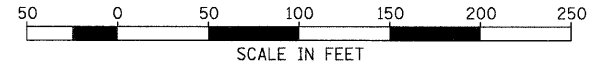
F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 83
CONTRACT NO. 60953				ILLINOIS FED. AID PROJECT



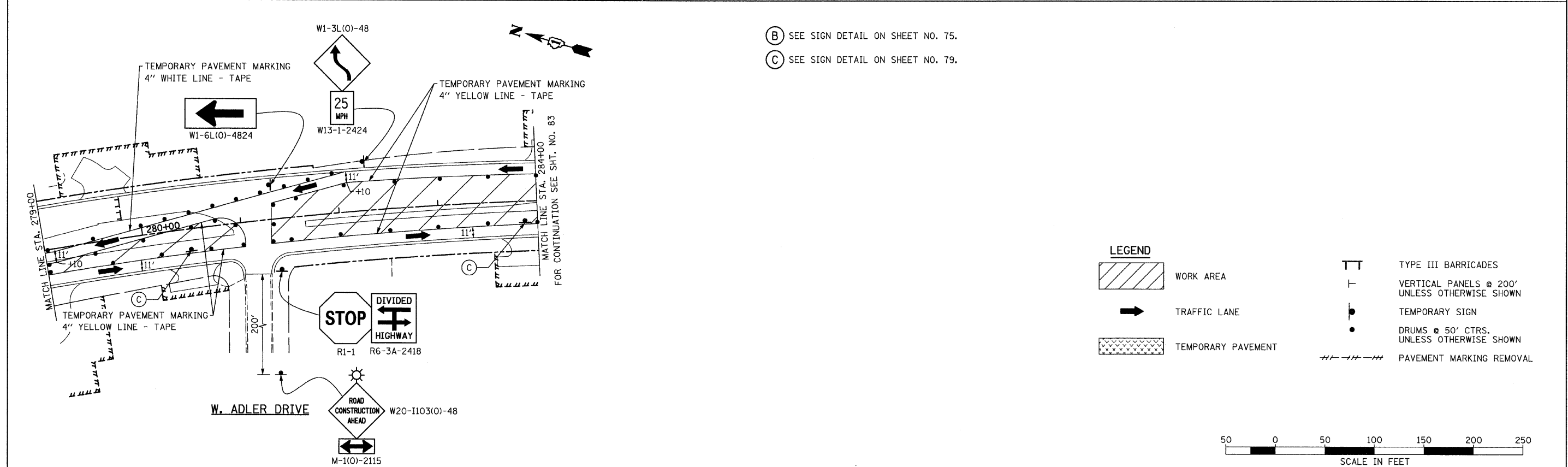
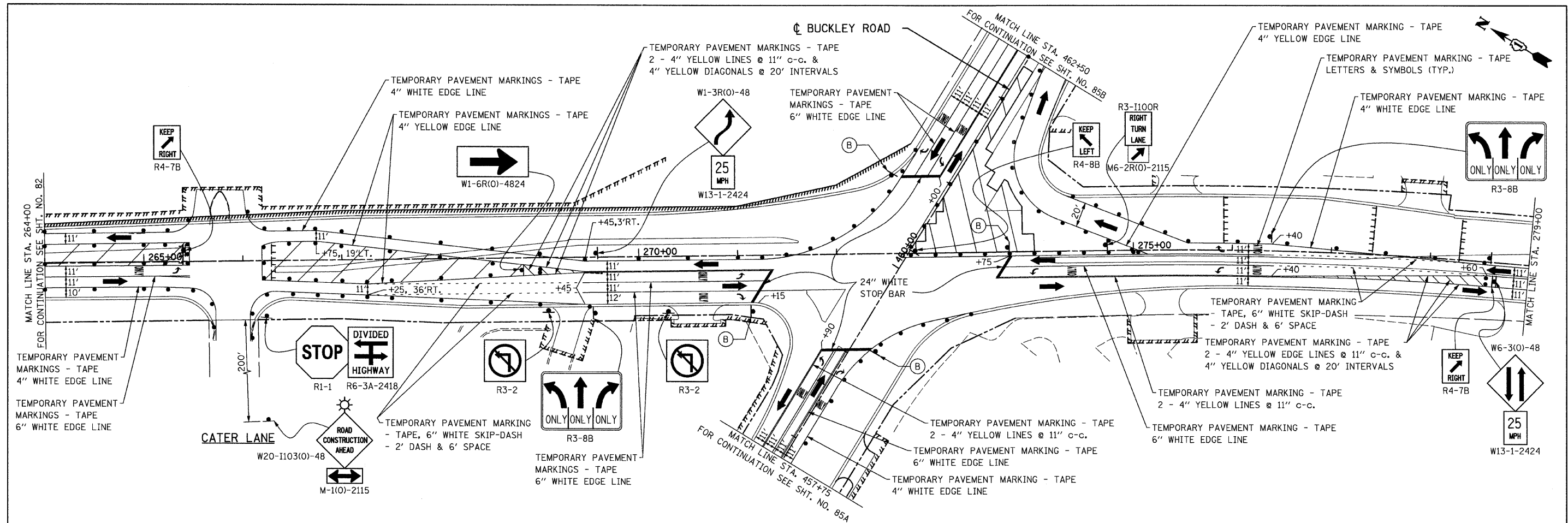
NOTE:  
 "WORKERS" SIGN TO BE REMOVED OR COVERED  
 WHEN WORKERS ARE NOT PRESENT.



LEGEND	
	WORK AREA
	TRAFFIC LANE
	TEMPORARY PAVEMENT
	TYPE III BARRICADES
	VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY SIGN
	DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
	PAVEMENT MARKING REMOVAL



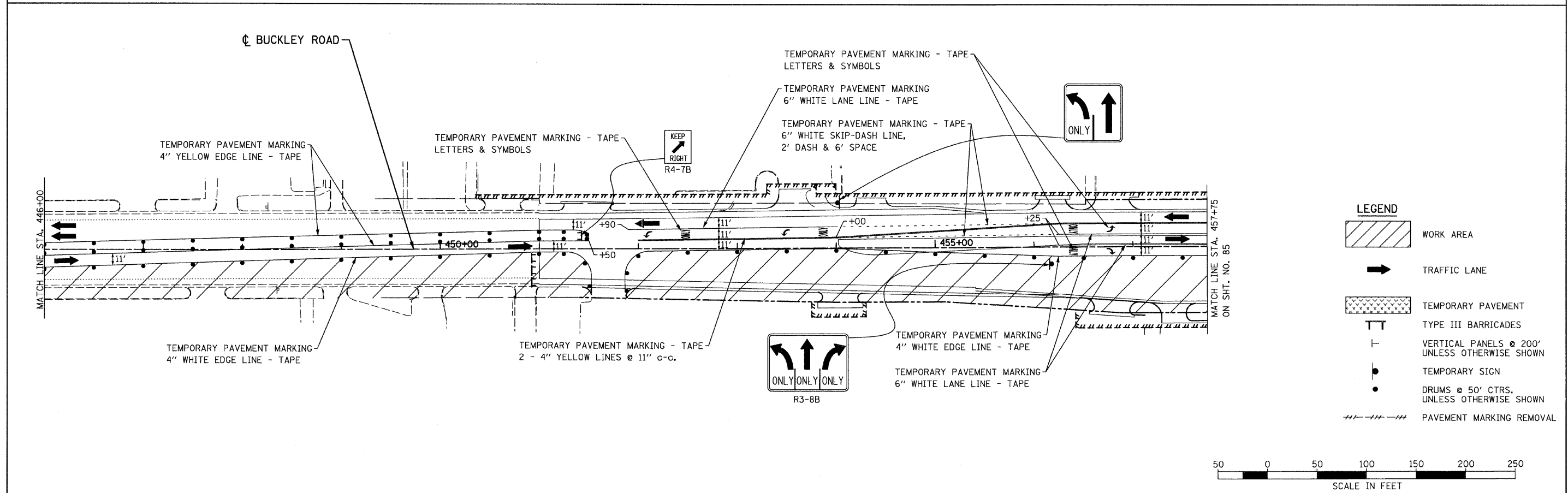
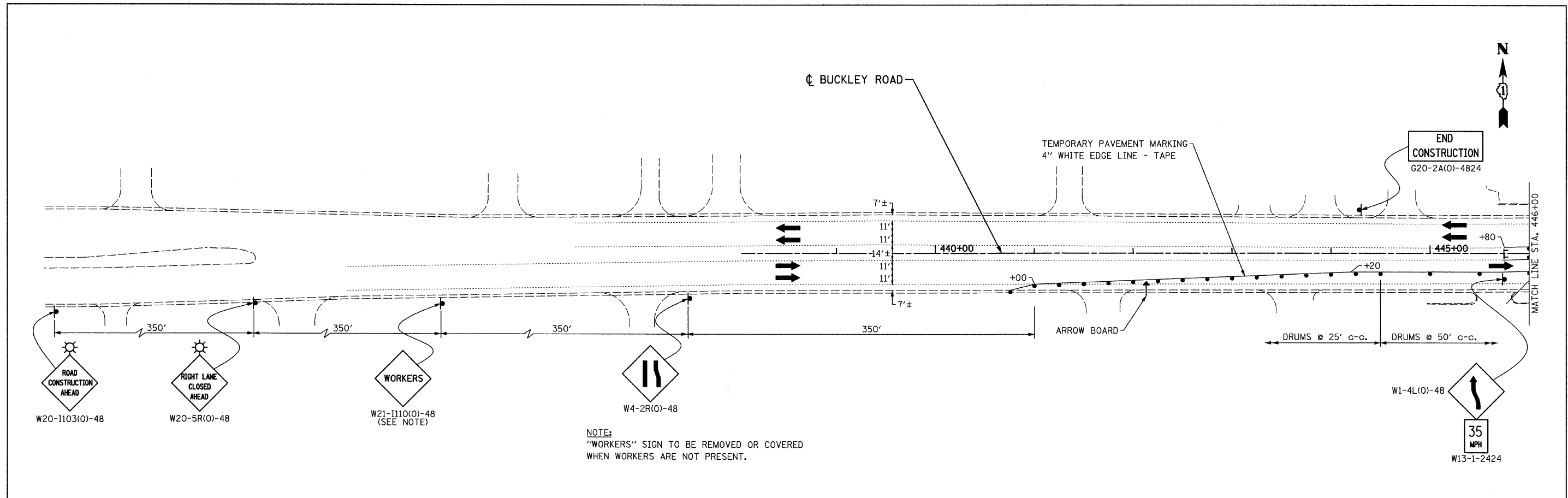
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PLOT SCALE = 50.0000 "/td> <td>CHECKED - GFL</td> <td>REVISED -</td> <td>SCALE: 1" = 50'</td> <td>SHEET NO.</td> <td>OF</td> <td>SHEETS</td> <td>STA. 294+00.00 TO STA. 315+00.00</td> <td colspan="3" style="text-align: center;">CONTRACT NO. 60953</td>	CHECKED - GFL	REVISED -	SCALE: 1" = 50'			SHEET NO.	OF	SHEETS	STA. 294+00.00 TO STA. 315+00.00	CONTRACT NO. 60953		
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	ILLINOIS FED. AID PROJECT									



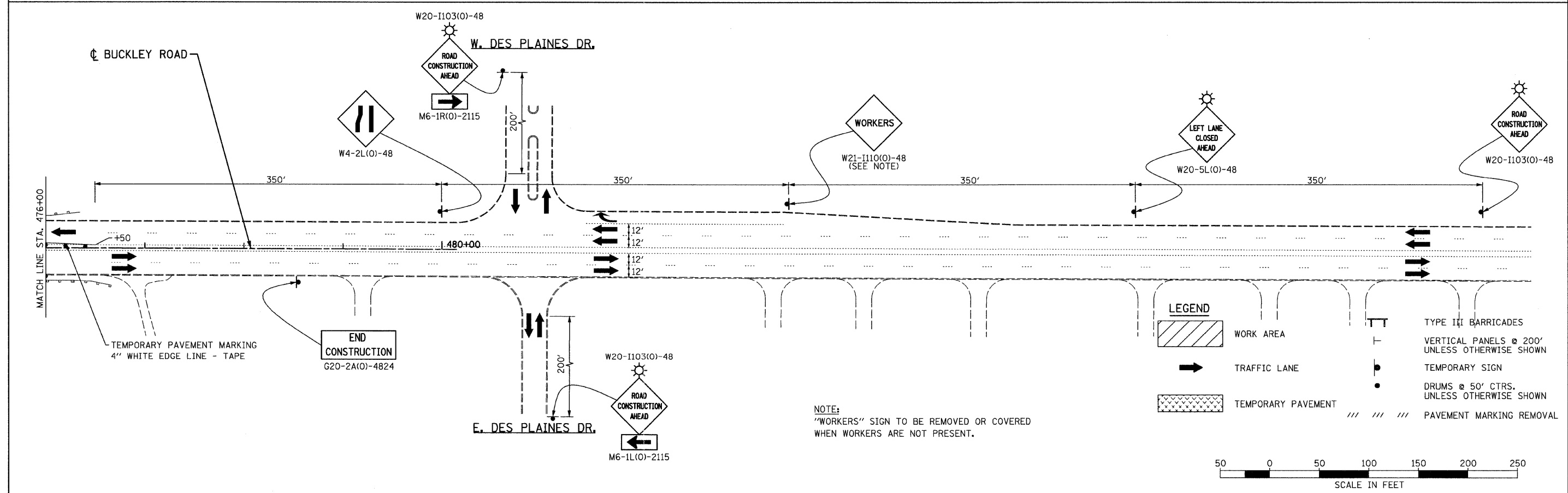
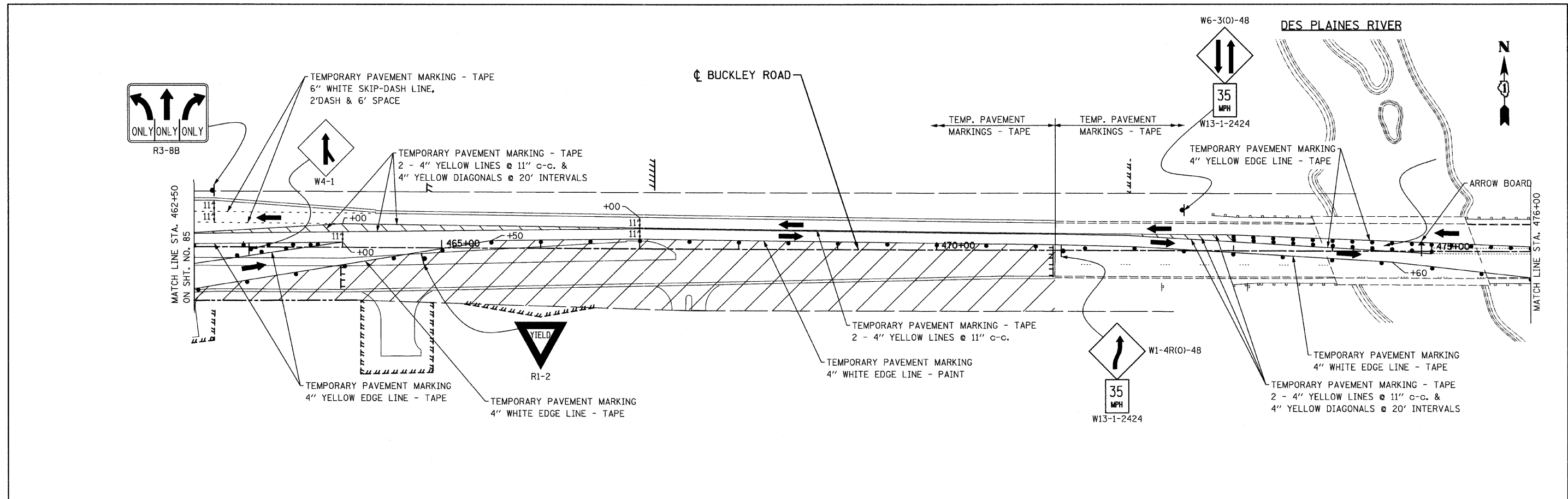
(B) SEE SIGN DETAIL ON SHEET NO. 75.  
 (C) SEE SIGN DETAIL ON SHEET NO. 79.

FILE NAME = I:\102901\CADD Sheets\stage3A-82.dgn	USER NAME = 100T	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGING AND TRAFFIC CONTROL STAGE IIIA IL RTE 21 (MILWAUKEE AVE)</b>		F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 85	
PLOT SCALE = 50.0000' / IN.		DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO. OF	SHEETS	STA. 264+00.00 TO STA. 284+00.00		CONTRACT NO. 60953		
PLOT DATE = 8/11/2011		CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									

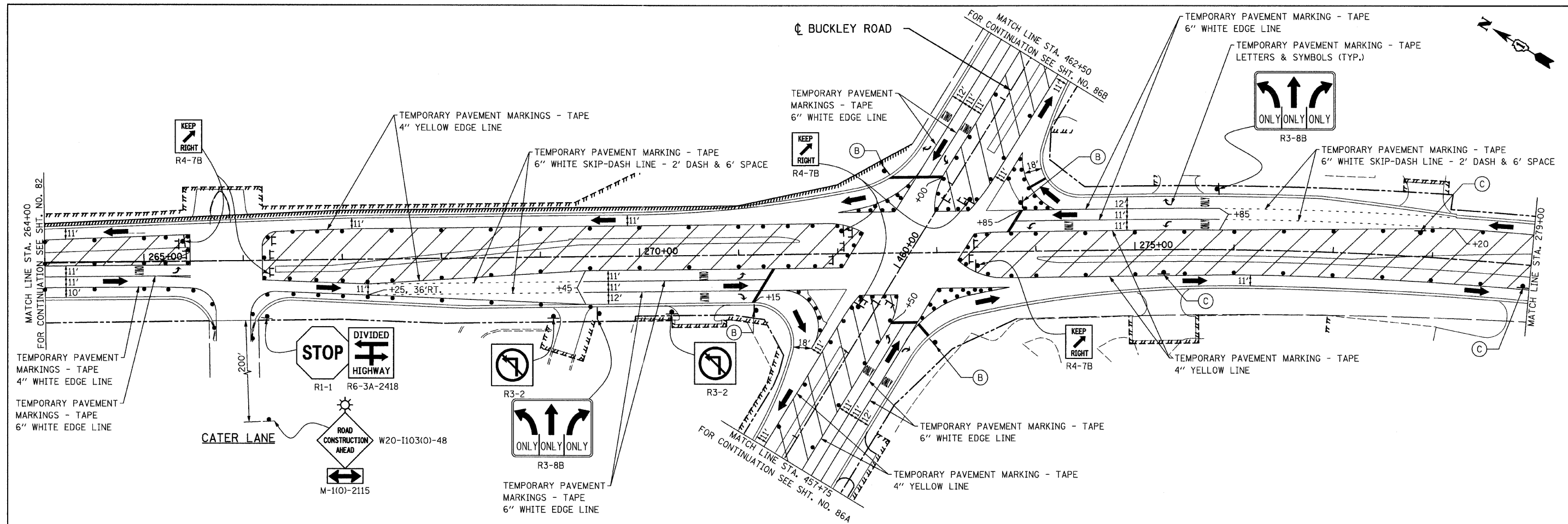




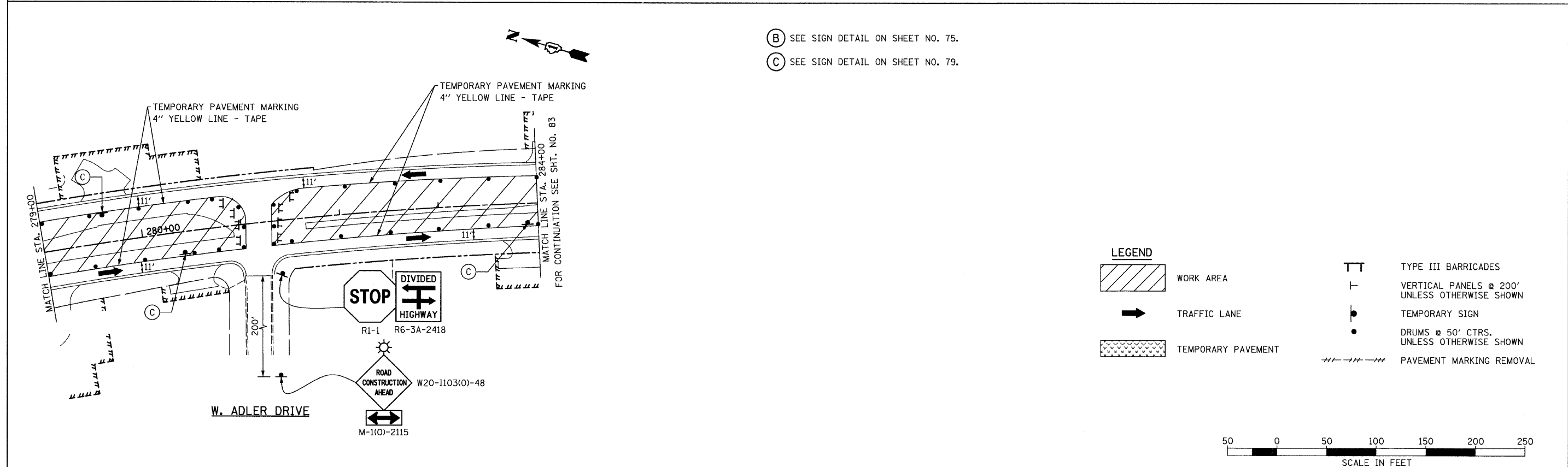
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	PLOT SCALE = 50.0000" / IN.	CHECKED - GFL	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA. 432+00.00 TO STA. 457+75.00	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -		<b>CONTRACT NO. 60953</b>							



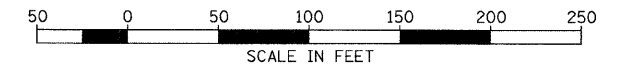
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	PLOT SCALE = 50.0000' / IN.	DRAWN - BK	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA. 462+50.00 TO STA. 488+00.00	CONTRACT NO. 60953				
	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									



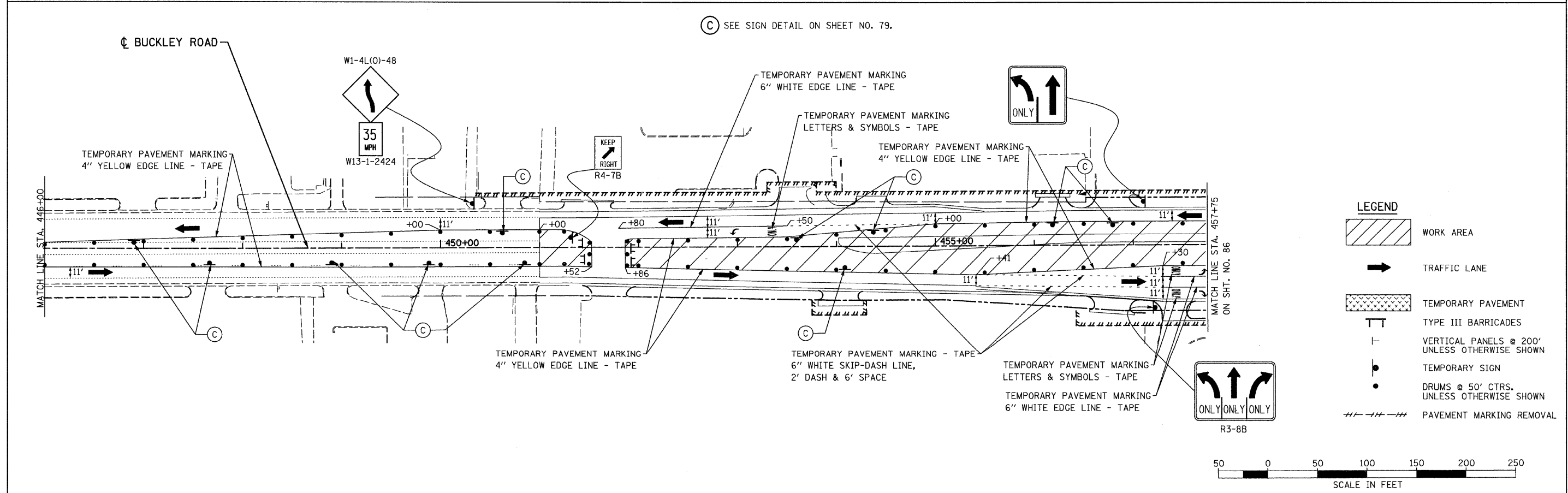
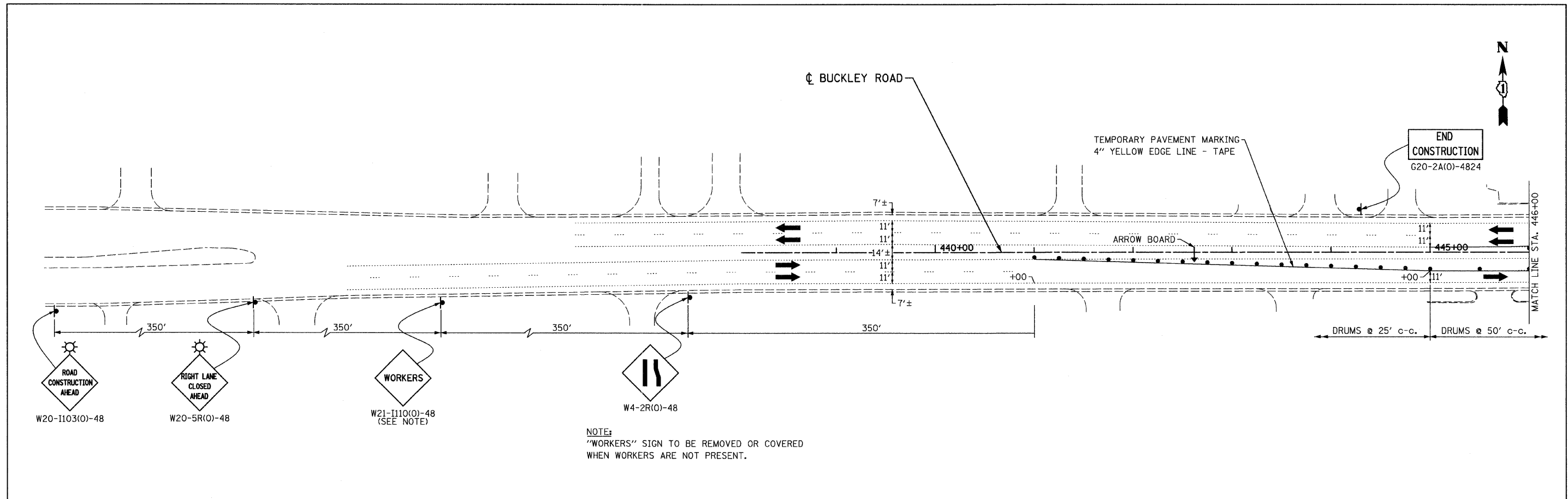
- (B) SEE SIGN DETAIL ON SHEET NO. 75.
- (C) SEE SIGN DETAIL ON SHEET NO. 79.



LEGEND	
	WORK AREA
	TRAFFIC LANE
	TEMPORARY PAVEMENT
	TYPE III BARRICADES
	VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY SIGN
	DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
	PAVEMENT MARKING REMOVAL

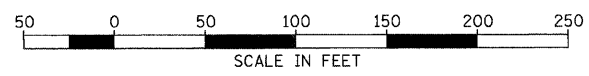


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PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	REVISIONS -	SCALE: 1" = 50'			SHEET NO. OF SHEETS	STA. 264+00.00 TO STA. 284+00.00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISIONS -										
CONTRACT NO. 60953												

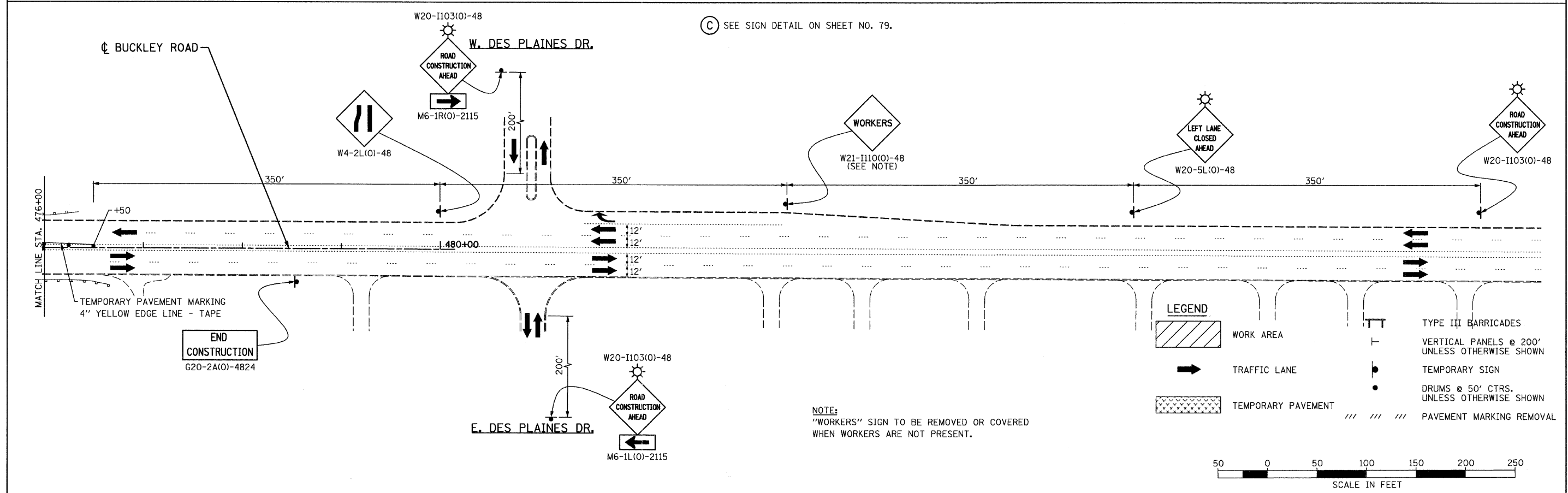
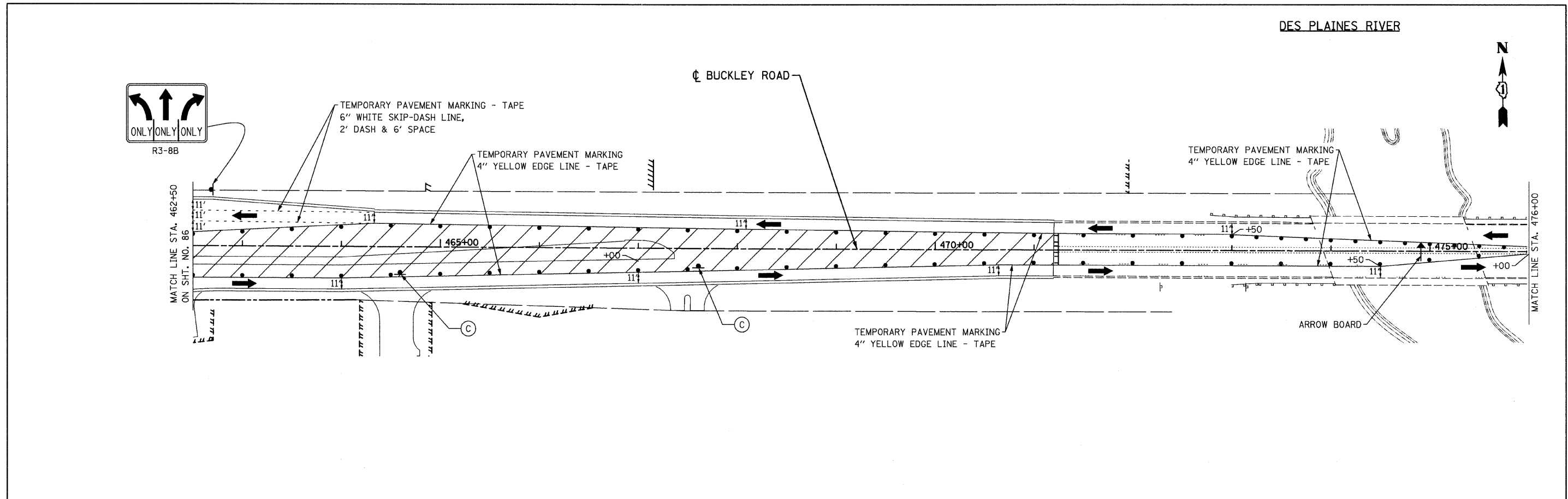


**LEGEND**

	WORK AREA
	TRAFFIC LANE
	TEMPORARY PAVEMENT
	TYPE III BARRICADES
	VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY SIGN
	DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
	PAVEMENT MARKING REMOVAL

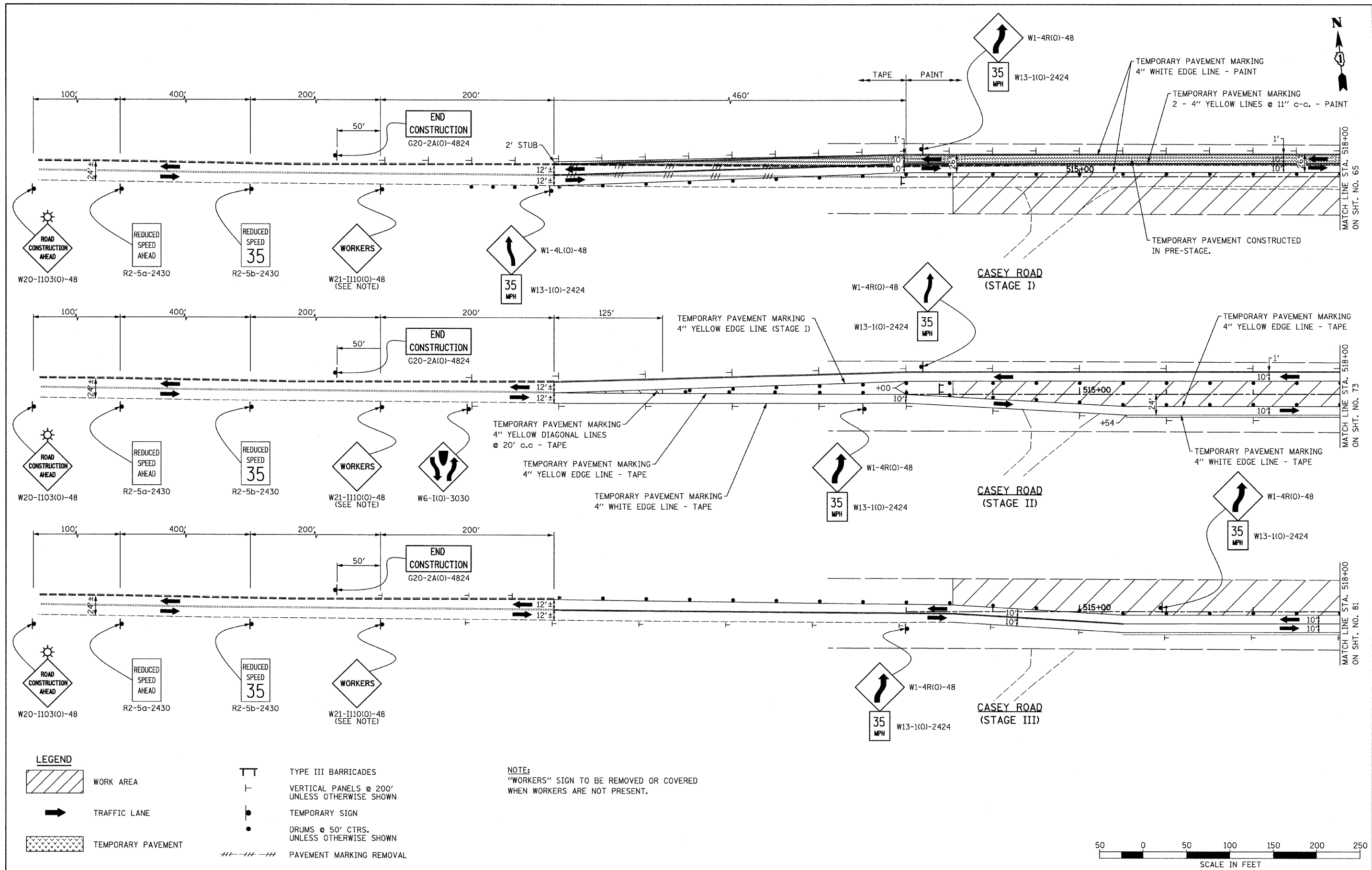


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	PLOT DATE = 8/11/2011	CHECKED - GFL	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 4/30/2011	REVISED -									



NOTE:  
"WORKERS" SIGN TO BE REMOVED OR COVERED  
WHEN WORKERS ARE NOT PRESENT.

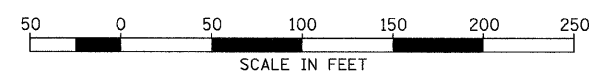
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		DRAWN - BK	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA. 462+50.00 TO STA. 488+00.00	330	128R-3	LAKE	518	86B
		CHECKED - GFL	REVISED -		CONTRACT NO. 60953							
		DATE - 4/30/2011	REVISED -		ILLINOIS FED. AID PROJECT							



**LEGEND**

	WORK AREA		TYPE III BARRICADES
	TRAFFIC LANE		VERTICAL PANELS @ 200' UNLESS OTHERWISE SHOWN
	TEMPORARY PAVEMENT		TEMPORARY SIGN
			DRUMS @ 50' CTRS. UNLESS OTHERWISE SHOWN
			PAVEMENT MARKING REMOVAL

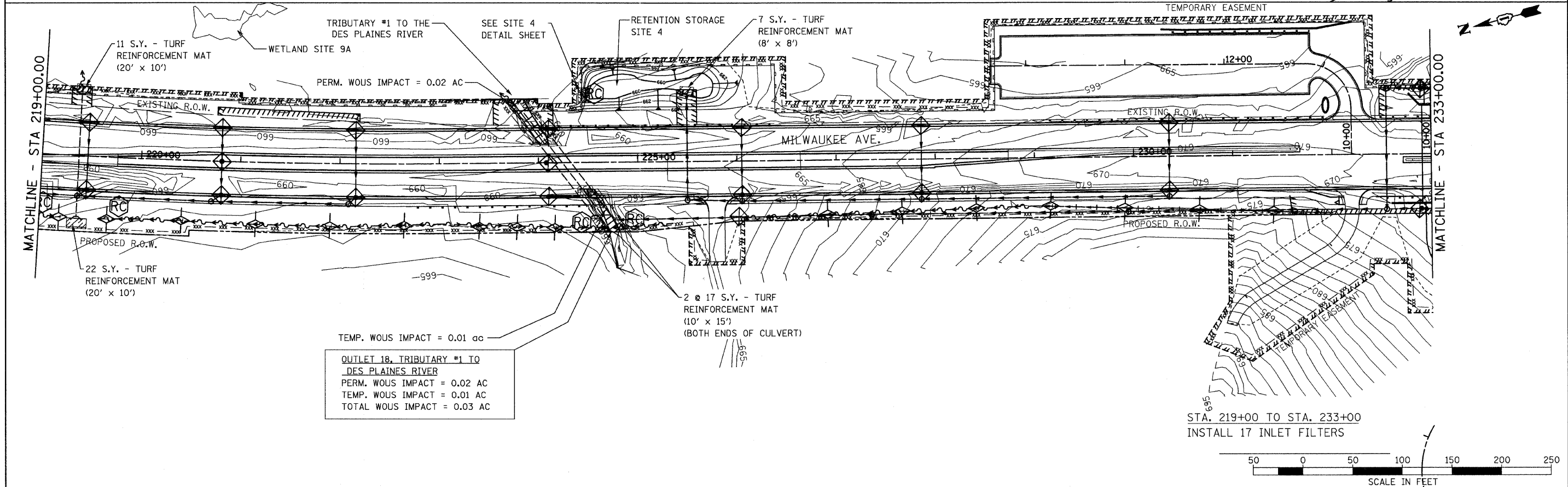
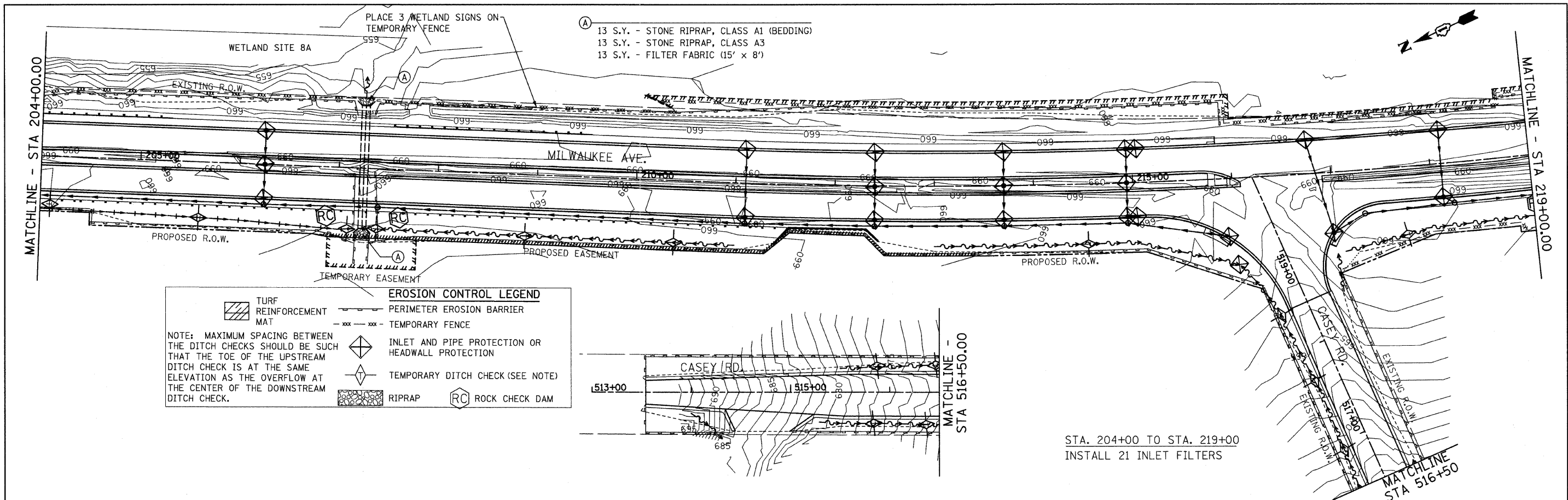
**NOTE:**  
 "WORKERS" SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.



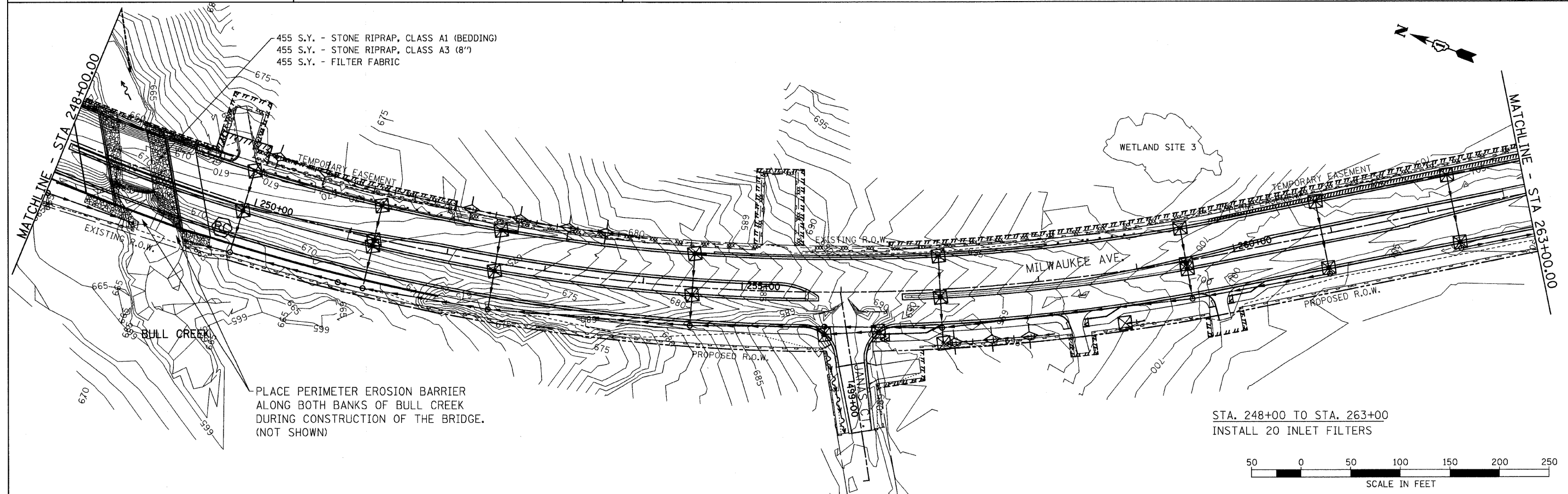
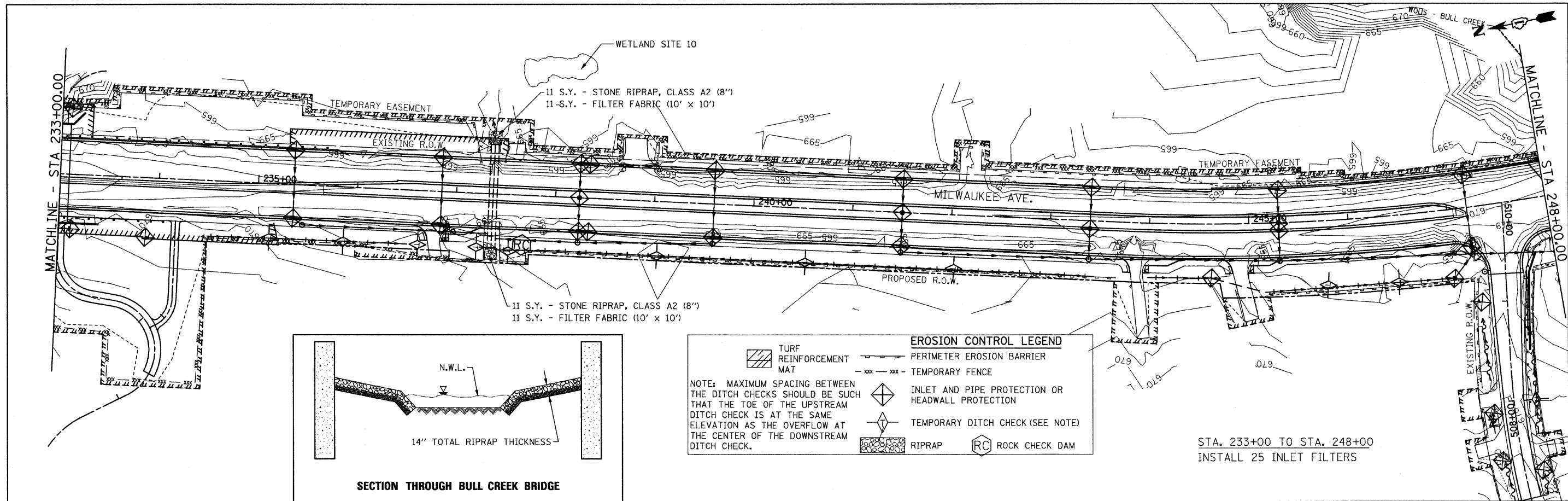
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PLOT DATE = 8/11/2011					ILLINOIS FED. AID PROJECT							



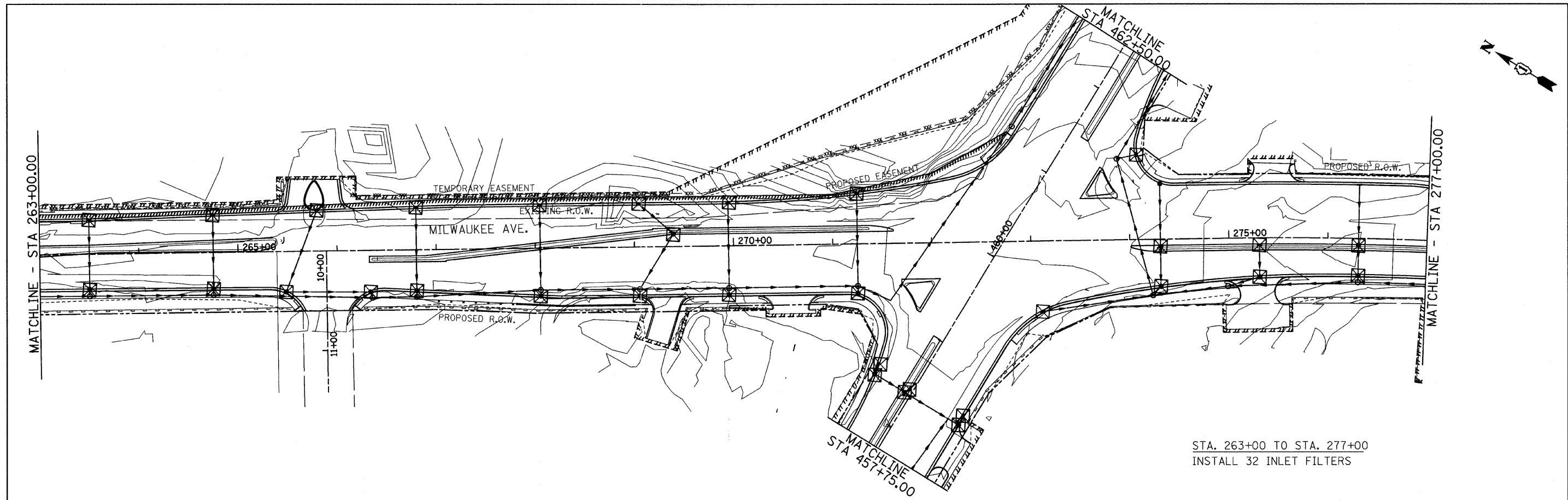




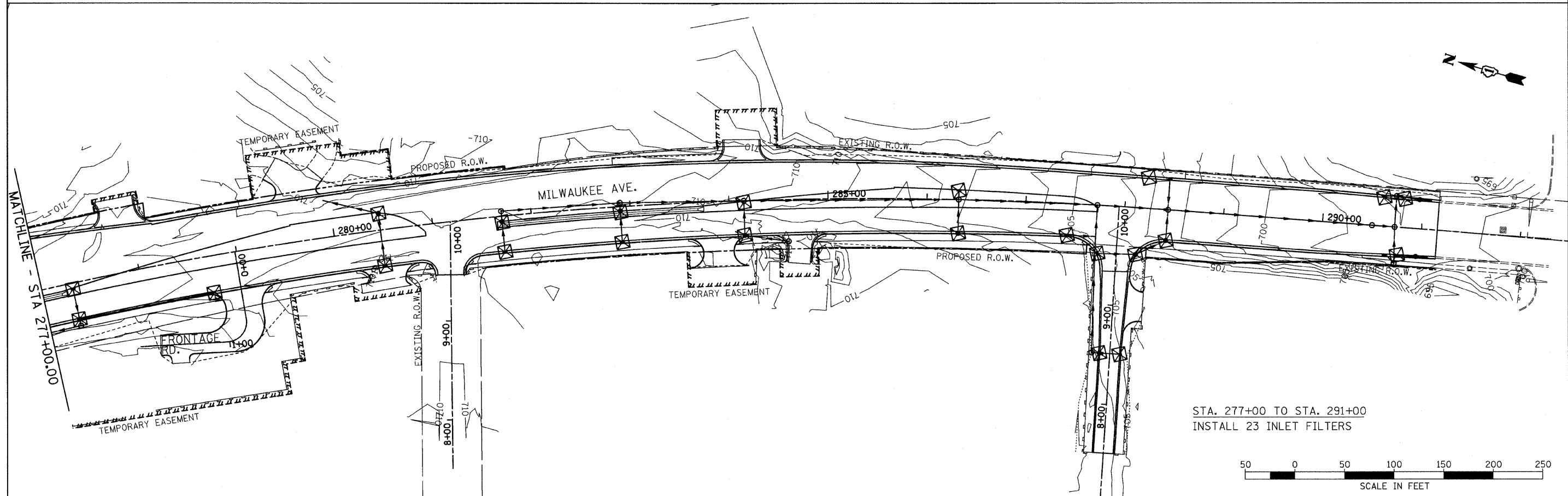
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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISOR -	REVISOR -		ILLINOIS FED. AID PROJECT							



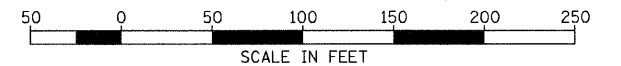
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	PLOT SCALE = 5/8" = 1' / IN.	DRAWN - BK	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	330	128R-3	LAKE	518	90
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		DATE - 4/30/2011	REVISED -					ILLINOIS FED. AID PROJECT					



STA. 263+00 TO STA. 277+00  
INSTALL 32 INLET FILTERS



STA. 277+00 TO STA. 291+00  
INSTALL 23 INLET FILTERS



FILE NAME =  
u:\102981\cadd sheets\shf-eros04.dgn

USER NAME = IDOT  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 8/11/2011

DESIGNED - EJM  
DRAWN - BK  
CHECKED - GFL  
DATE - 4/30/2011

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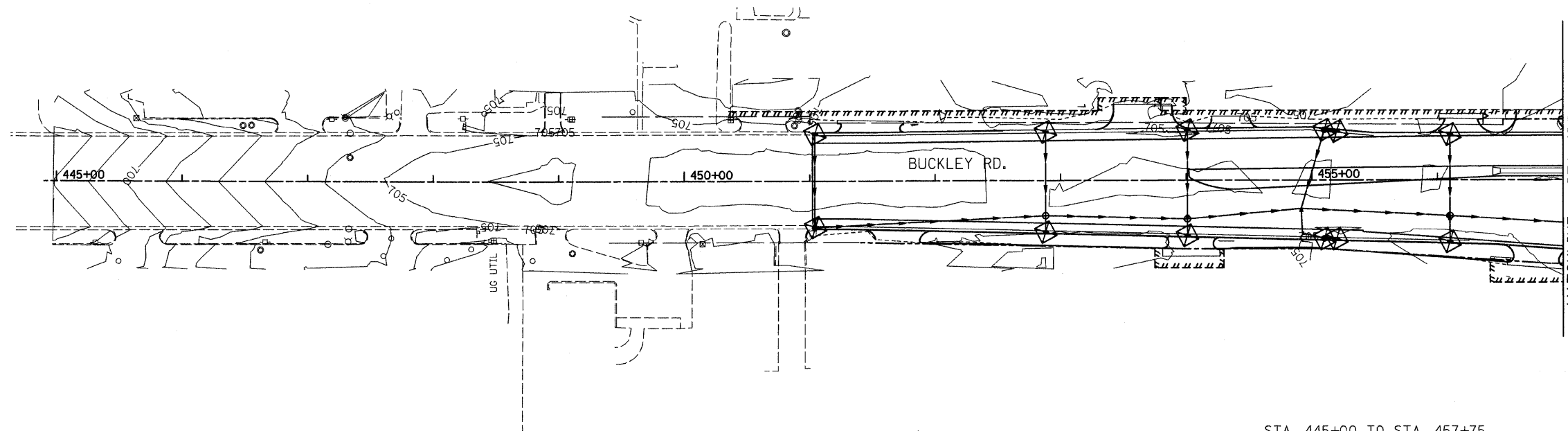
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
IL RTE 21 (MILWAUKEE AVE)**

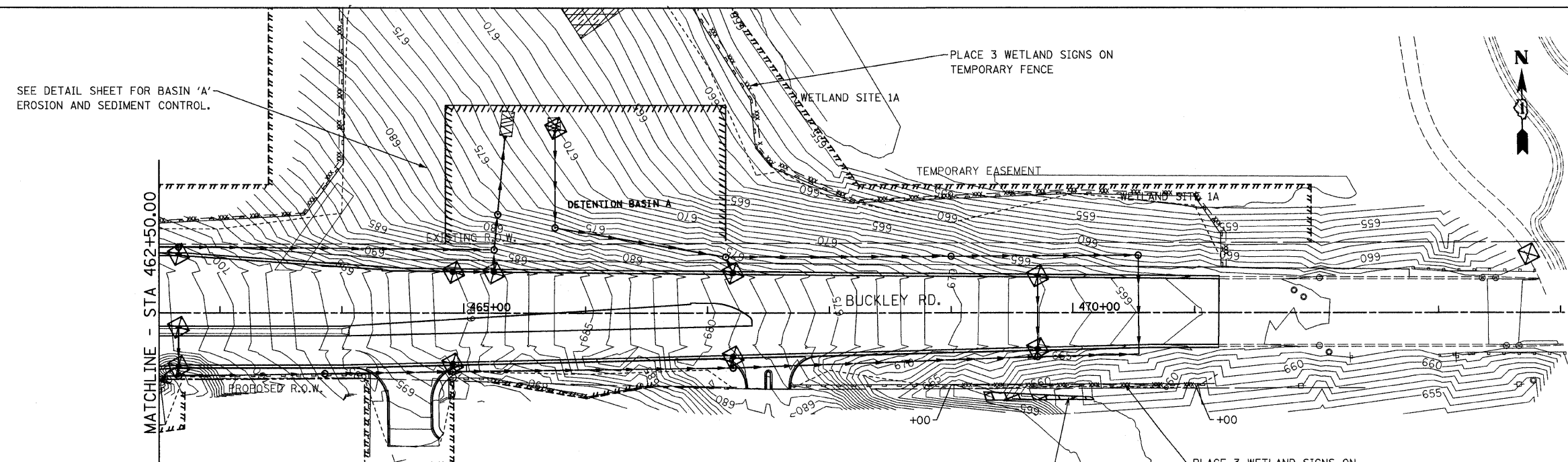
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	128R-3	LAKE	518	91
CONTRACT NO. 60953				
ILLINOIS FED. AID PROJECT				





STA. 445+00 TO STA. 457+75  
INSTALL 12 INLET FILTERS



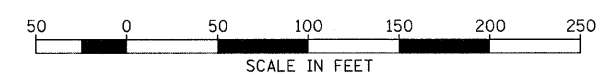
SEE DETAIL SHEET FOR BASIN 'A'  
EROSION AND SEDIMENT CONTROL.

STA. 462+50 TO STA. 471+20  
INSTALL 10 INLET FILTERS

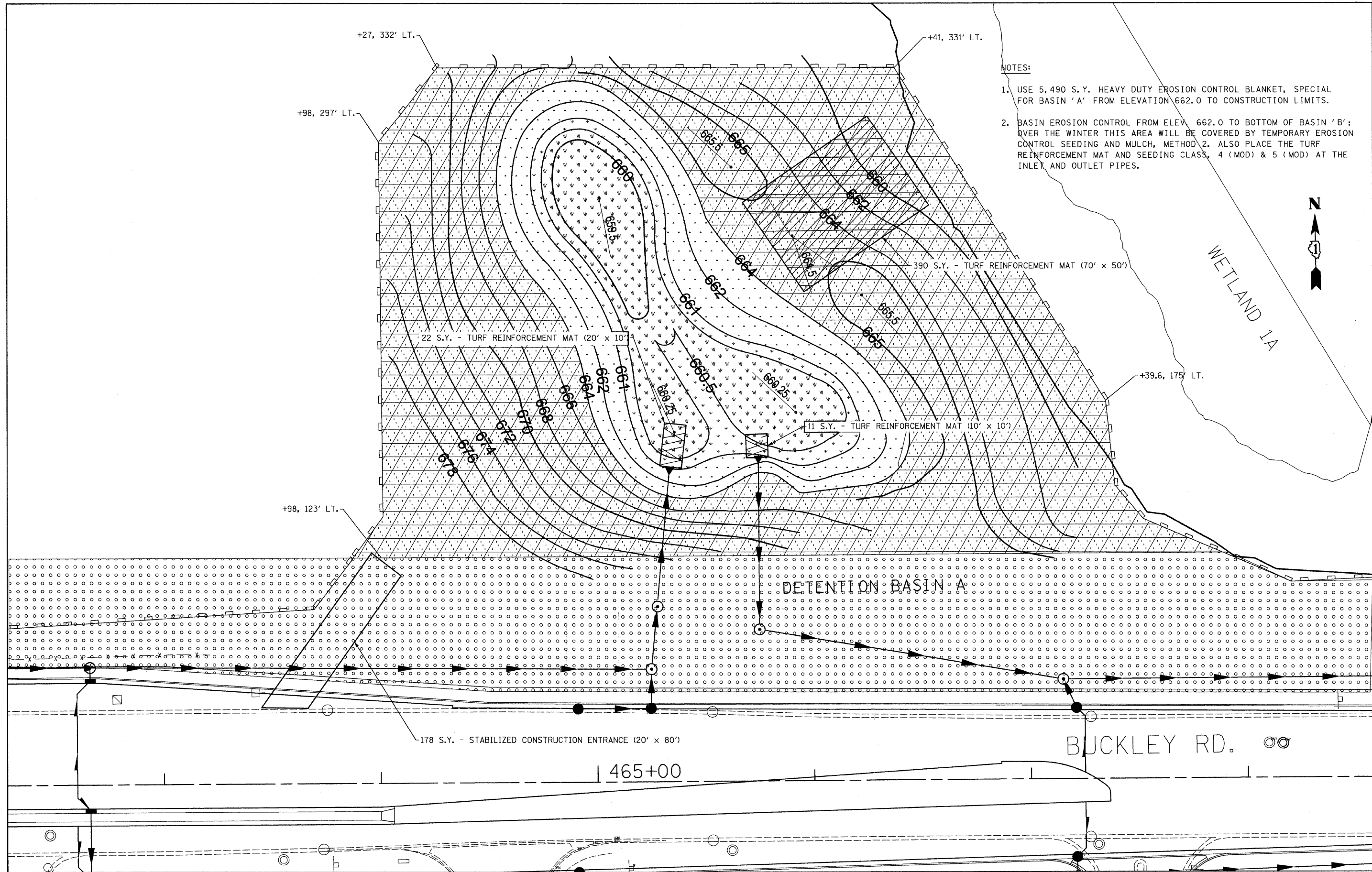
**EROSION CONTROL LEGEND**

	TURF REINFORCEMENT MAT		PERIMETER EROSION BARRIER
	TEMPORARY FENCE		INLET AND PIPE PROTECTION OR HEADWALL PROTECTION
	RIPRAP		TEMPORARY DITCH CHECK (SEE NOTE)
	ROCK CHECK DAM		

NOTE: MAXIMUM SPACING BETWEEN THE DITCH CHECKS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DITCH CHECK IS AT THE SAME ELEVATION AS THE OVERFLOW AT THE CENTER OF THE DOWNSTREAM DITCH CHECK.



FILE NAME =	USER NAME = IDDT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL PLAN IL RTE 137 (BUCKLEY ROAD)</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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PLOT DATE = 8/11/2011		DATE - 4/30/2011	REVISED -					ILLINOIS FED. AID PROJECT							



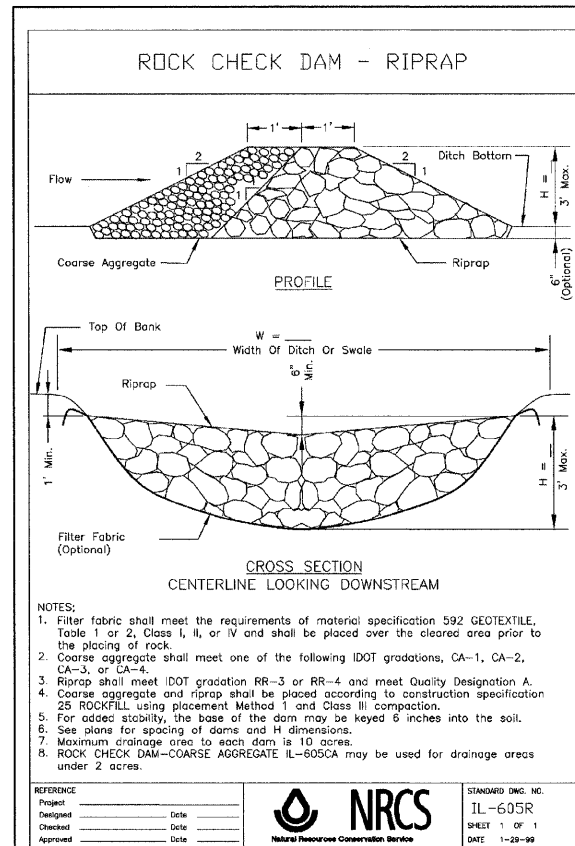
**NOTES:**

1. USE 5,490 S.Y. HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR BASIN 'A' FROM ELEVATION 662.0 TO CONSTRUCTION LIMITS.
2. BASIN EROSION CONTROL FROM ELEV. 662.0 TO BOTTOM OF BASIN 'B'; OVER THE WINTER THIS AREA WILL BE COVERED BY TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2. ALSO PLACE THE TURF REINFORCEMENT MAT AND SEEDING CLASS. 4 (MOD) & 5 (MOD) AT THE INLET AND OUTLET PIPES.

FILE NAME =	USER NAME = JDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION AND SEDIMENT CONTROL</b> <b>RETENTION/DETENTION BASIN A</b>	F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 93	
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PLOT SCALE = 20,0000 ' / IN.						ILLINOIS FED. AID PROJECT					
PLOT DATE = 8/11/2011						CONTRACT NO. 60953					



**EROSION & SEDIMENT CONTROL DETAILS**



- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
  2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
  3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
  4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
  5. For added stability, the base of the dam may be keyed 6 inches into the soil.
  6. See plans for spacing of dams and H dimensions.
  7. Maximum drainage area to each dam is 10 acres.
  8. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

REFERENCE	STANDARD DWG. NO.
Project _____	IL-605R
Design _____	SHEET 1 OF 1
Checked _____	DATE 1-22-99
Approved _____	



**ROCK CHECK DAM NOTES:**

1. THE RIPRAP SIZE FOR THE ROCK CHECK DAM SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE DETAIL. THIS MATERIAL SHALL BE PAID FOR PER TON AS "AGGREGATE (EROSION CONTROL)". THIS UNIT PRICE SHALL INCLUDE THE FILTER FABRIC. 6 TONS AGGREGATE PER CHECK DAM.
2. THE REMOVAL OF THE ROCK CHECK DAMS, INCLUDING THE FILTER FABRIC, SHALL BE INCLUDED IN THE COST OF "AGGREGATE (EROSION CONTROL)".
3. THE LIMITS OF THE ROCK CHECK DAM SHALL EXTEND 1 FOOT ABOVE THE OVERFLOW HEIGHT.
4. ROCK CHECK DAMS SHALL BE USED DURING ROUGH GRADING OPERATIONS BEFORE THE PLACEMENT OF DITCH CHECKS IS PRACTICAL. CONSTRUCT 100' x 15' x 1' DEEP SEDIMENTATION BASIN DIRECTLY UPSTREAM OF EACH CHECK DAM (55 C.Y. EARTH EXCAVATION EROSION CONTROL).

**EROSION CONTROL NOTES:**

1. TEMPORARY DITCH CHECKS SHALL BE INSTALLED AS SOON AS POSSIBLE.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE USED ON THIS PROJECT.
3. TEMPORARY EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. PERIMETER EROSION BARRIER SHALL BE INSTALLED ALONG CONTOUR PER BDE DESIGN MANUAL CHAPTER 41, PAGE 41.3-4.
5. TEMPORARY SEEDING AND MULCHING MAY BE OMITTED IF PERMANENT LANDSCAPING IS INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING.
6. INLET AND PIPE PROTECTION TO BE INSTALLED FOLLOWING INSTALLATION OF THAT STRUCTURE OR CULVERT. STRAW BALES SHALL NOT BE ALLOWED. USE A COMBINATION OF TEMPORARY SEED, EROSION CONTROL BLANKET, AND TEMPORARY DITCH CHECKS FOR INLET AND PIPE PROTECTION.
7. ALL RIPRAP SHALL BE PLACED ON FILTER FABRIC.
8. PERIMETER EROSION BARRIER OR TEMPORARY FENCE SHALL BE INSTALLED AT THE CONSTRUCTION LIMITS. TEMPORARY FENCE MAY BE INSTALLED IN LEU OF PERIMETER EROSION BARRIER, SPECIAL IF RUNOFF IS TOWARDS THE RIGHT OF WAY AND IF APPROVED BY THE ENGINEER.
9. AT THE END OF THE CONTRACT, AS DIRECTED BY THE RE, CONTRACTOR SHALL MAINTAIN BMP'S TO RENDER THEM FUNCTIONAL, AND FUNCTIONAL BMP'S ARE TO REMAIN IN PLACE. ALL OTHER BMP'S ARE TO BE REMOVED AS DIRECTED BY THE RE.
10. "PROTECTED WETLAND - NO INTRUSION" SIGNAGE SHALL BE ERECTED AT WETLAND AND WATERS TO BE PRESERVED. "WETLANDS" SIGNS SHALL BE ATTACHED TO THE POST OF THE PERIMETER EROSION BARRIER ITEM. SIGNS ARE AVAILABLE FROM THE ROADSIDE DEVELOPMENT UNIT, 847-705-4172. THE SIGNS WILL BE INCIDENTAL TO THE PERIMETER EROSION BARRIER. 3 SIGNS SHALL BE POSTED AT EACH LOCATION.
11. THE CONTRACTOR SHALL INSTALL INLET PROTECTION ON ALL EXISTING INLETS AND CULVERTS. THESE SHALL BE MAINTAINED UNTIL THE DRAINAGE STRUCTURE IS NO LONGER NEEDED.
12. QUANTITIES FOR MULCH METHOD 1 TO 4 HAVE BEEN INCLUDED IN THE CONTRACT FOR USE BY THE CONTRACTOR AS NEEDED BASED ON FIELD CONDITIONS.
13. INLET FILTERS SHALL BE INSTALLED ON ALL PROPOSED INLETS AND CATCH BASINS WHEN INLET PROTECTION TREATMENT IS APPLICABLE.
14. THE CONTRACTOR SHALL PLACE EROSION AND SEDIMENT CONTROL TREATMENTS ON EXISTING CATCH BASINS, INLETS AND CULVERTS AS NEEDED USING THE APPROPRIATE PAY ITEMS AS SHOWN ON THE SUMMARY OF QUANTITIES.



**WETLANDS SIGN**  
12"x12"

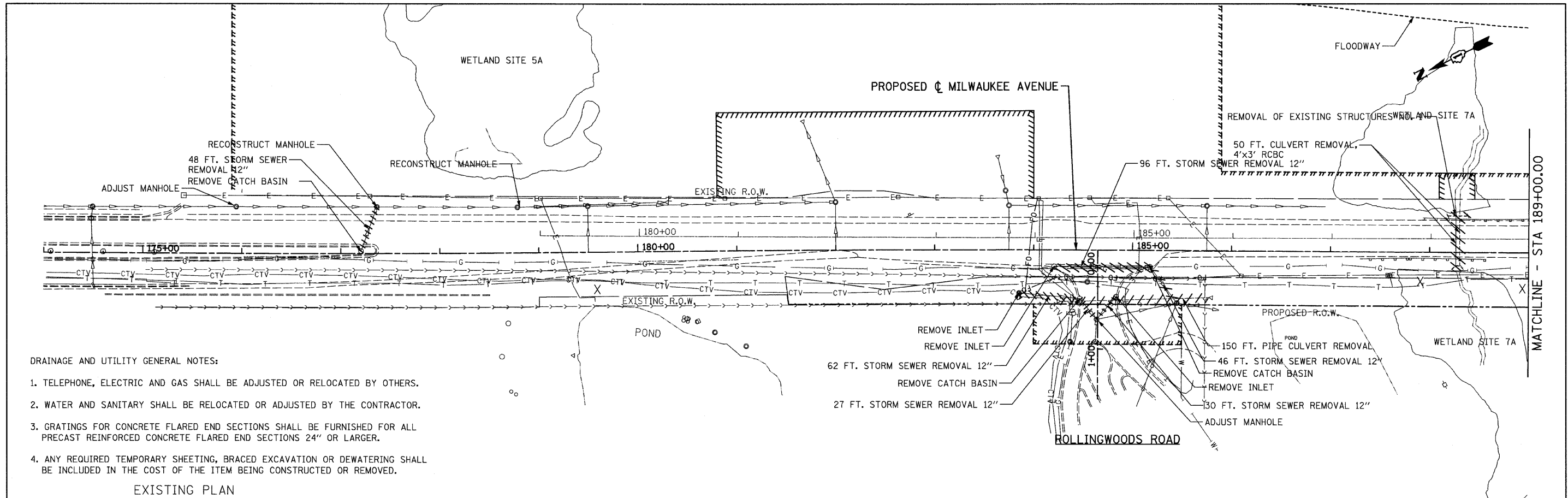
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL DETAILS AND NOTES**  
**IL. RTE. 21 (MILWAUKEE AVE.)**

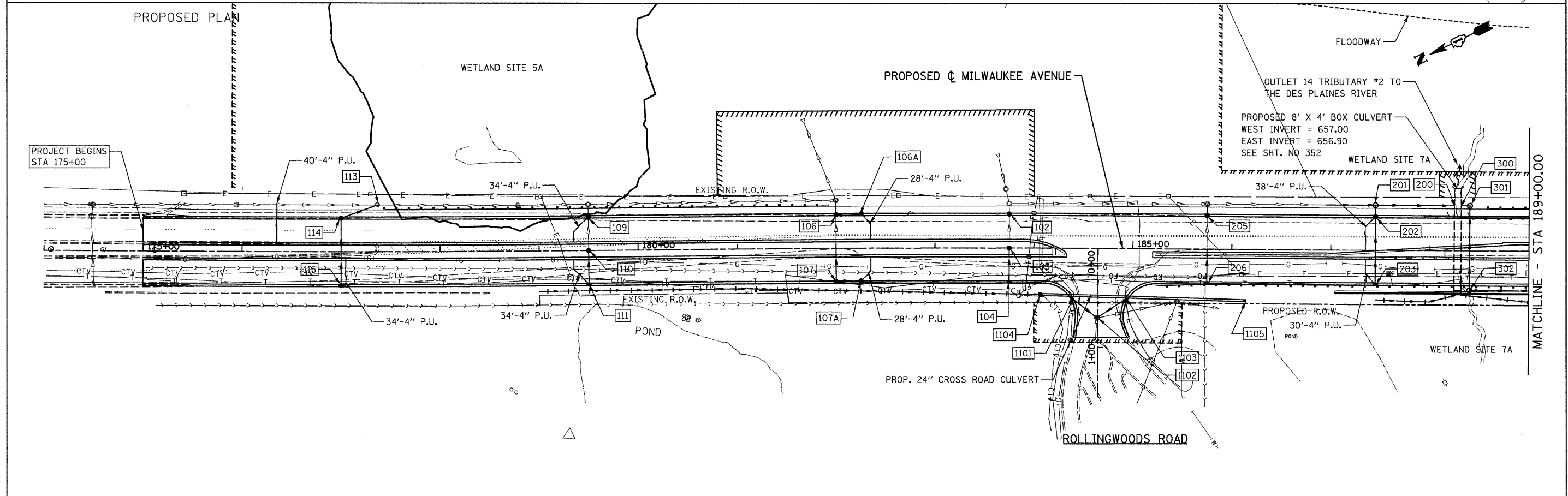
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60953				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

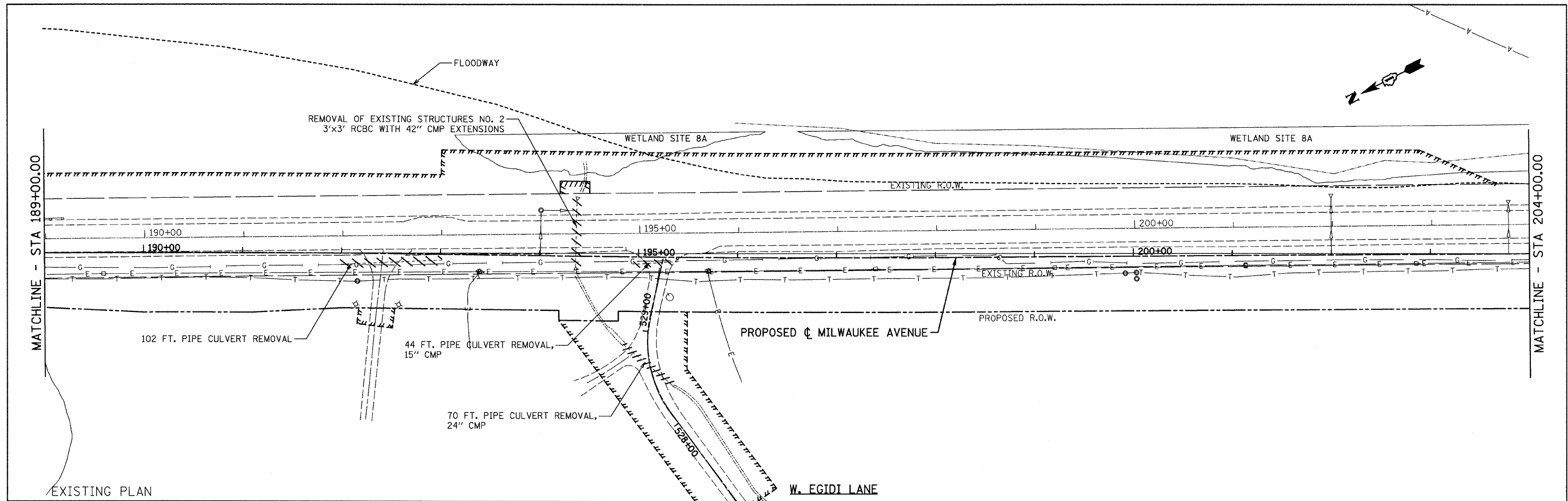


**DRAINAGE AND UTILITY GENERAL NOTES:**

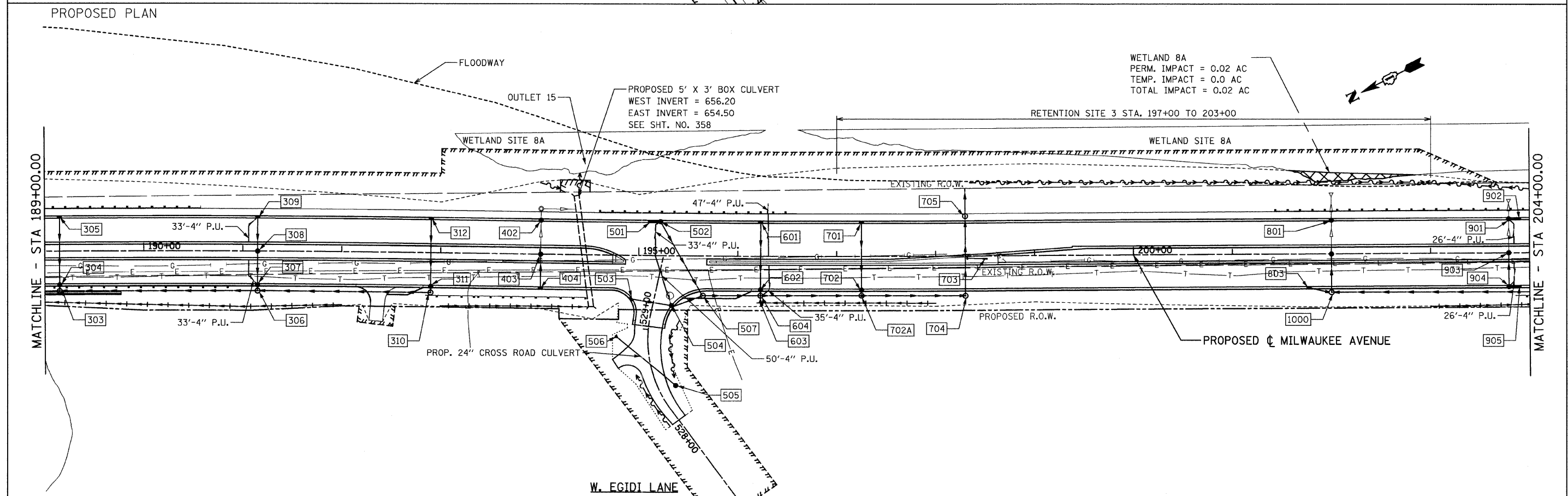
1. TELEPHONE, ELECTRIC AND GAS SHALL BE ADJUSTED OR RELOCATED BY OTHERS.
2. WATER AND SANITARY SHALL BE RELOCATED OR ADJUSTED BY THE CONTRACTOR.
3. GRATINGS FOR CONCRETE FLARED END SECTIONS SHALL BE FURNISHED FOR ALL PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" OR LARGER.
4. ANY REQUIRED TEMPORARY SHEETING, BRACED EXCAVATION OR DEWATERING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING CONSTRUCTED OR REMOVED.



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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -								

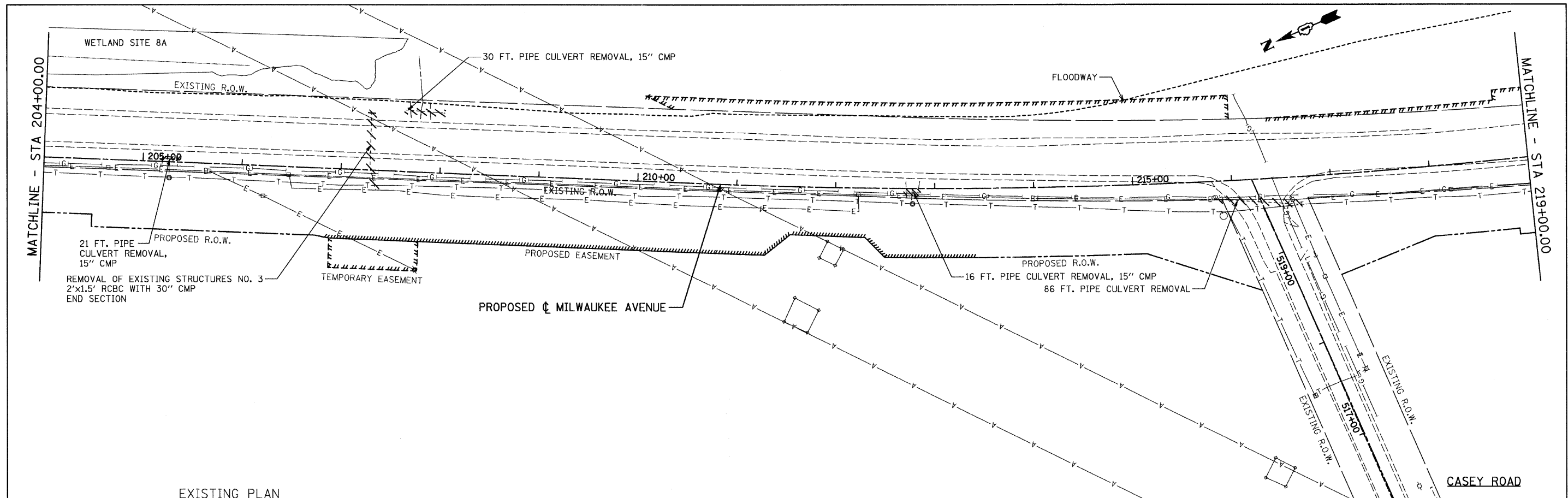


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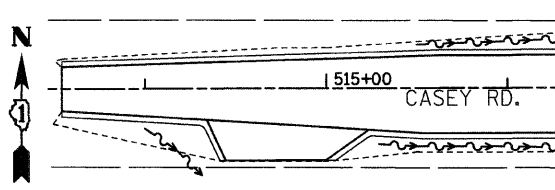
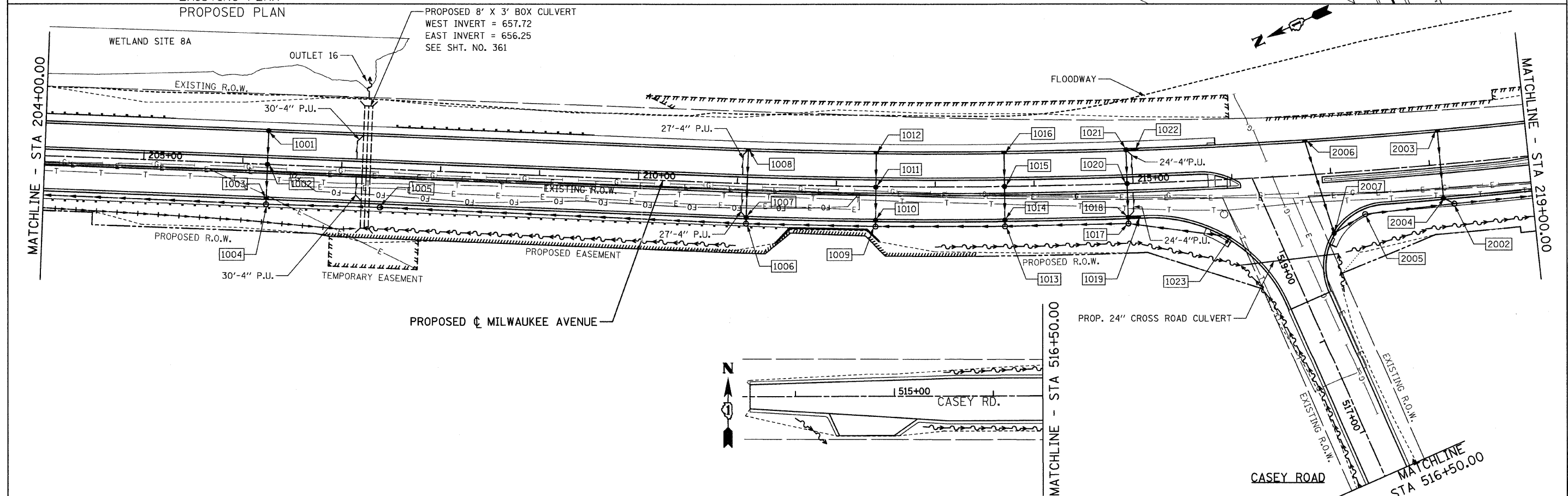


PROPOSED PLAN

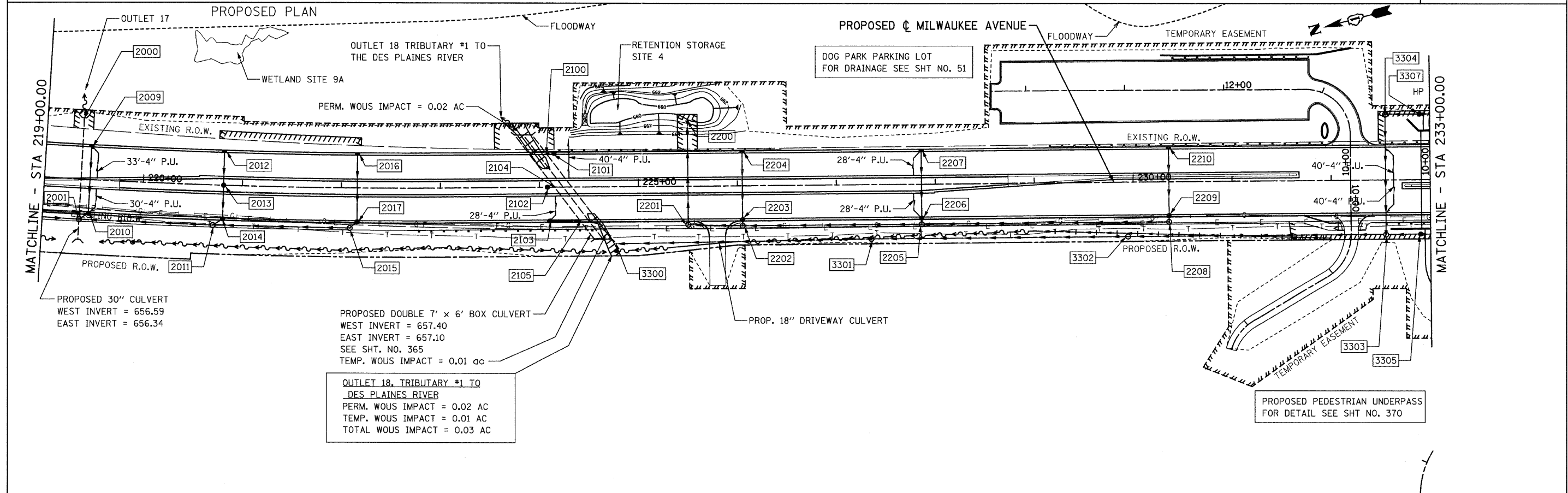
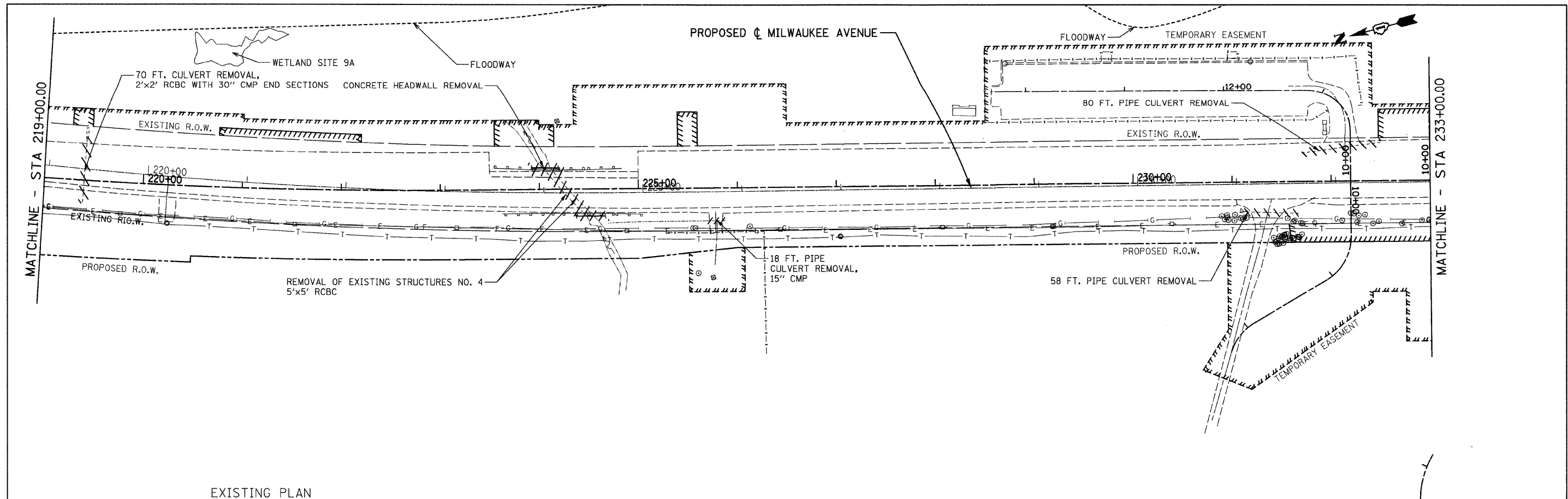
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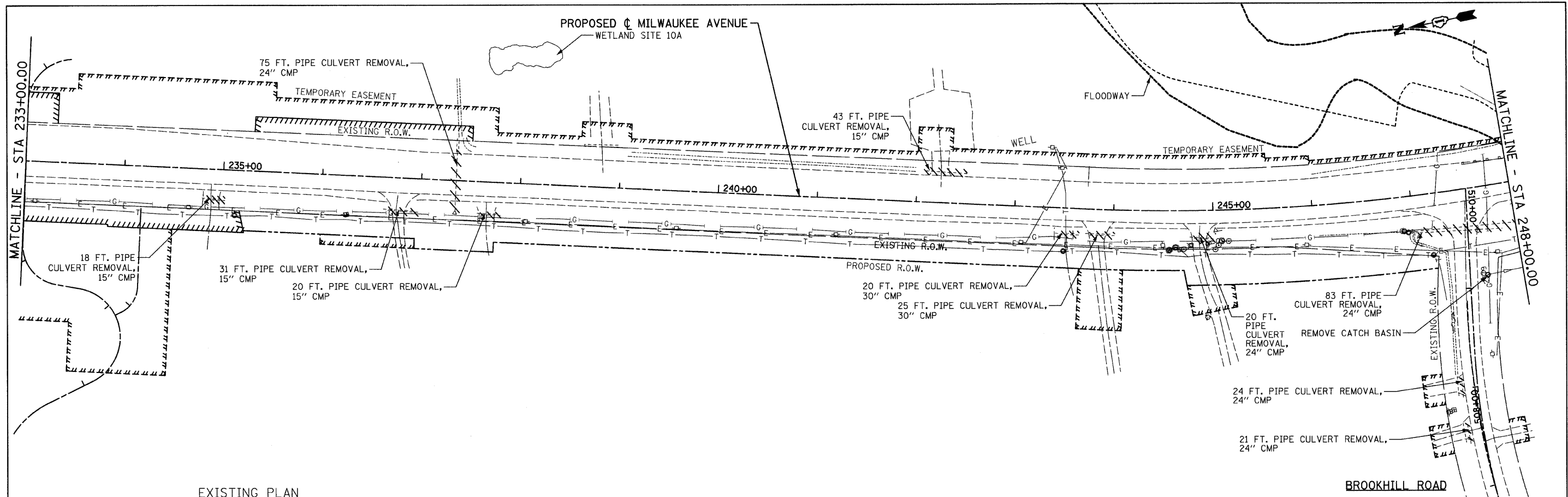
EXISTING PLAN  
PROPOSED PLAN



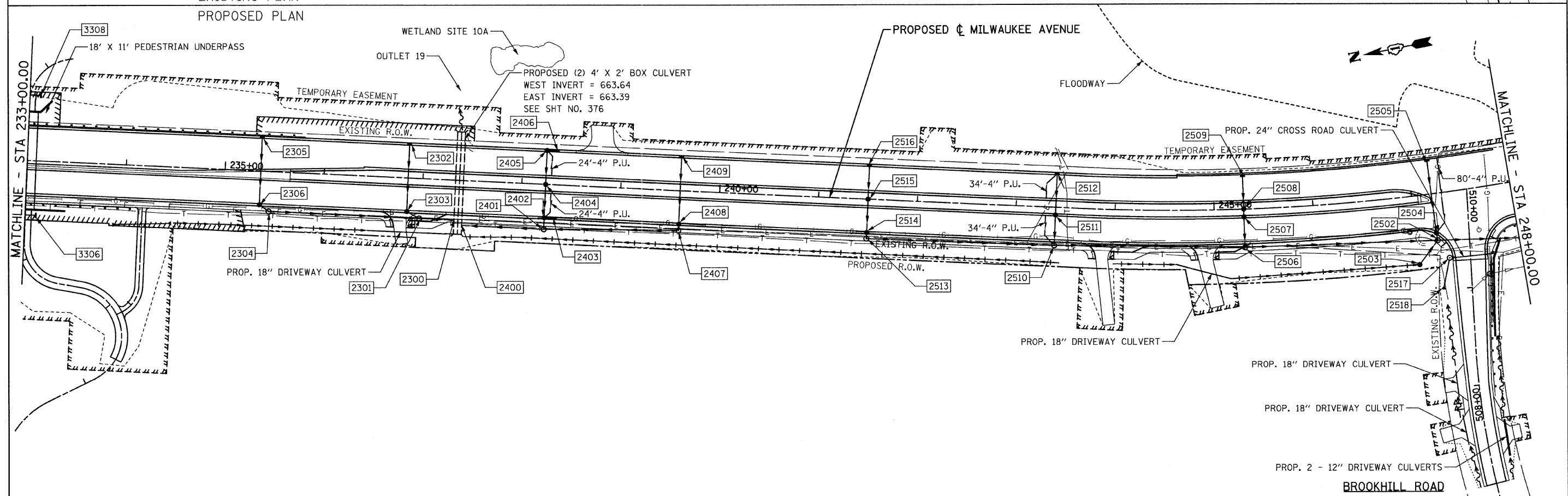
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PLOT DATE = 8/11/2011		DATE - 4/30/2011	REVISED -		ILLINOIS FED. AID PROJECT								



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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -								

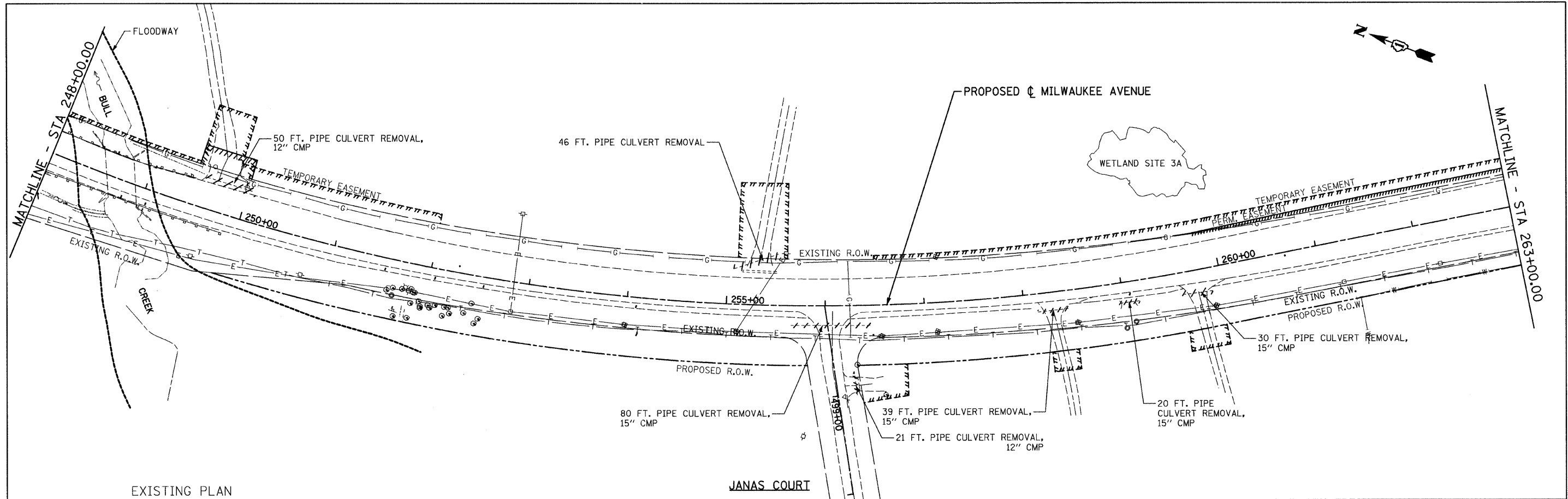


EXISTING PLAN  
PROPOSED PLAN

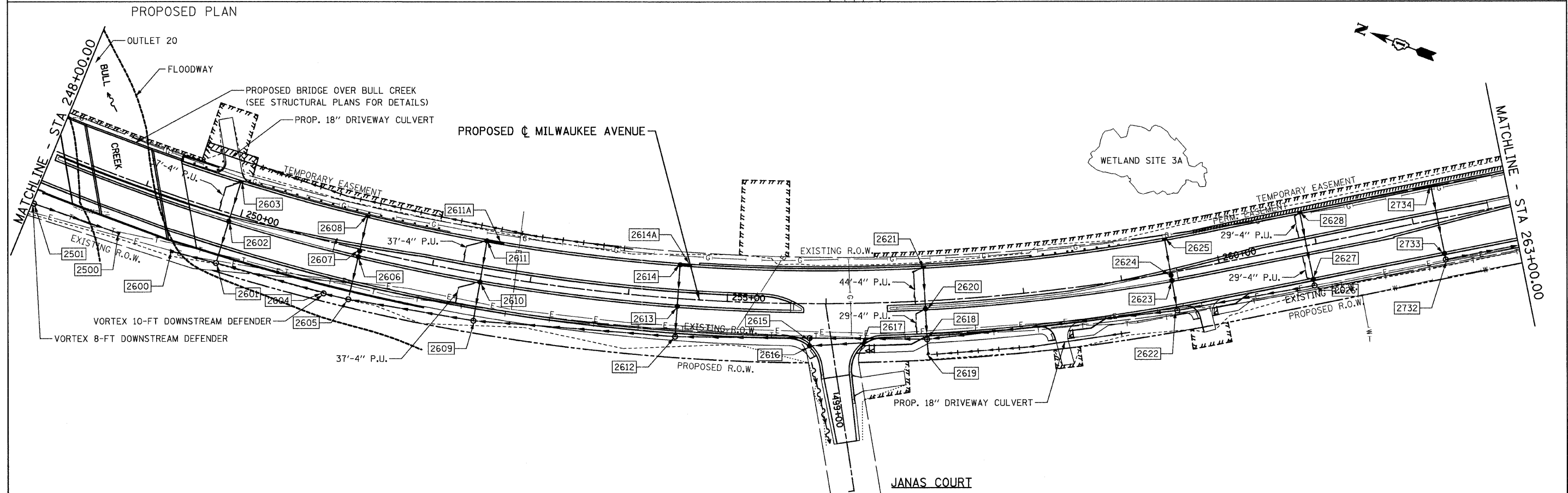


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PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -			ILLINOIS FED. AID PROJECT								

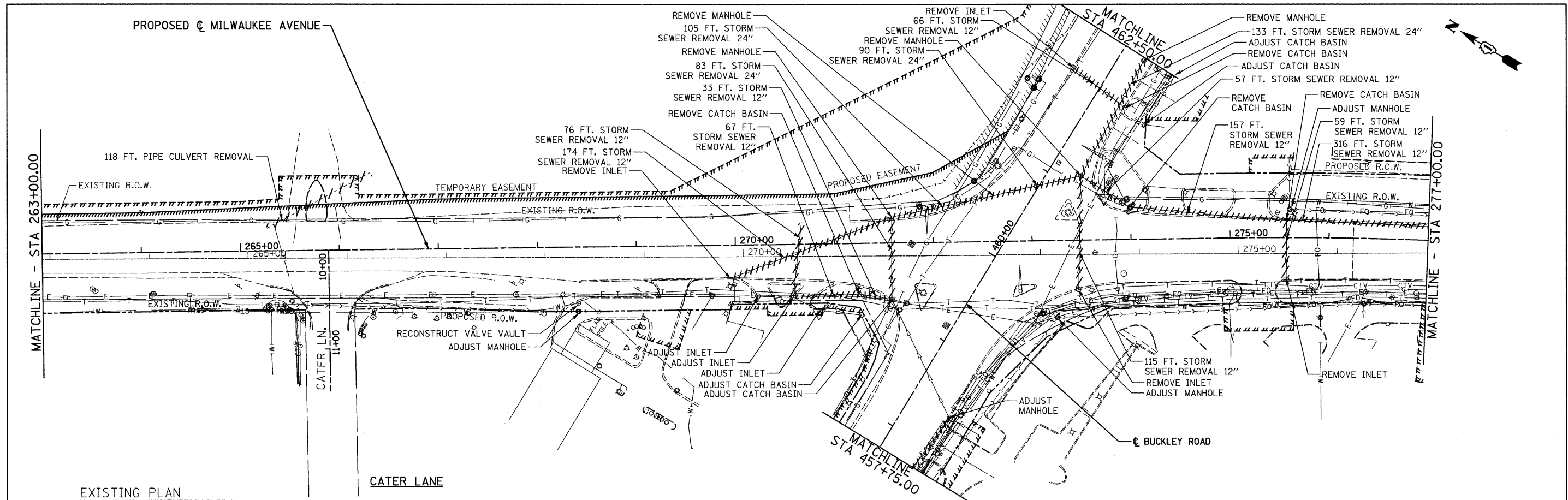




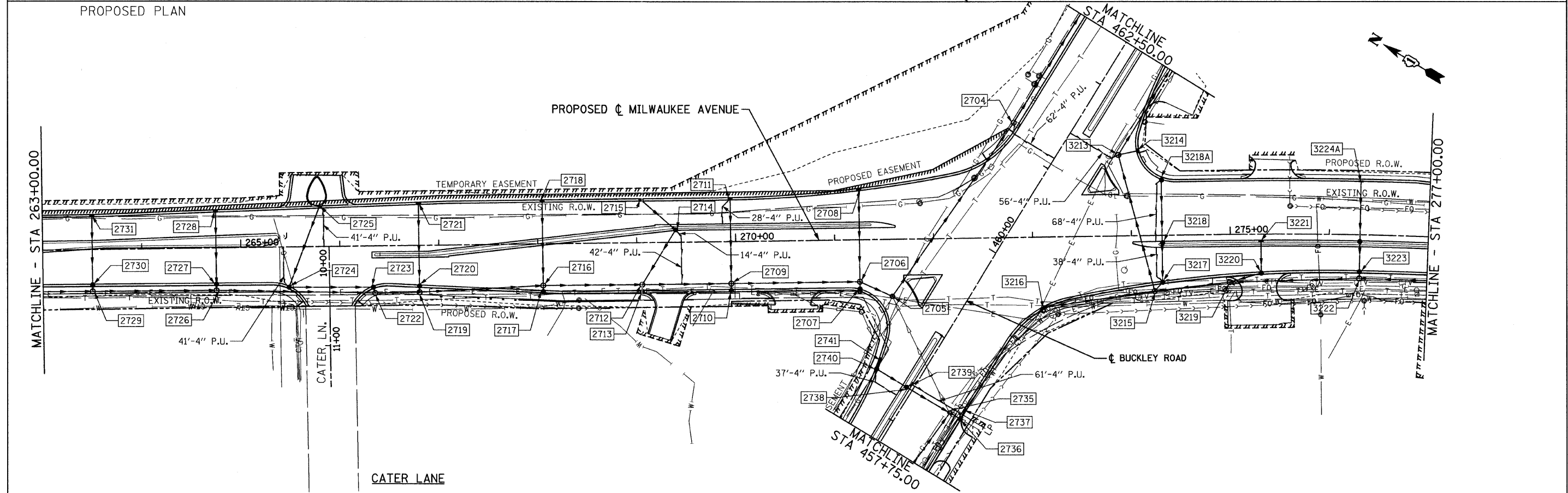
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FILE NAME = u:\102981\cadd sheets\hst-drain06.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -			330	128R-3	LAKE	518	99	
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -			SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 248+00.00 TO STA. 263+00.00	
						CONTRACT NO. 60953 ILLINOIS FED. AID PROJECT					



EXISTING PLAN  
PROPOSED PLAN



FILE NAME = u:\102901\cadd sheets\shd-drain07.dgn	USER NAME = IDOT	DESIGNED - EJM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN IL RTE 21 (MILWAUKEE AVE)</b>	F.A.P. RTE. 330	SECTION 128R-3	COUNTY LAKE	TOTAL SHEETS 518	SHEET NO. 100	
PLOT SCALE = 50.0000' / IN.	CHECKED - GFL	DATE - 4/30/2011	REVISED -			SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 263+00.00 TO STA. 277+00.00	CONTRACT NO. 60953		ILLINOIS FED. AID PROJECT
PLOT DATE = 8/11/2011	DATE - 4/30/2011	REVISED -	REVISED -								