

FEDERAL AID DESIGN ENGINEER CONTACT: MARLIN SOLOMON 847-705-4407
CONSULTING ENGINEER: ENGINEERING ENTERPRISES, INC. CONTACT: RON NAYLOR 630-466-9350

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	1

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**MUNICIPAL DRIVE, FROM BASTIAN DRIVE TO GALENA BOULEVARD
FAU 1521 (GALENA BOULEVARD), FROM WEST OF IL. ROUTE 47 TO MUNICIPAL DRIVE**

SECTION 06-00017-00-PV

PROJECT NUMBER: HPP 2879 (001)

JOB NUMBER: C91 193 06

**PAVEMENT CONSTRUCTION, UTILITY,
AND INTERSECTION IMPROVEMENTS
KANE COUNTY**

**FOR INDEX OF SHEETS AND
PAVEMENT DESIGN INFORMATION,
STRUCTURAL PAVEMENT DESIGN
INFORMATION, SPEED LIMITS
AND ADT SEE SHEET NO. 2**



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.

DATED AT SUGAR GROVE, ILLINOIS

THIS 29 DAY OF MAY 2008

Ronald G. Naylor
RONALD G. NAYLOR, P.E.
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 028491
EXPIRATION DATE: 11/30/09

AGENCY RESPONSIBLE FOR LETTING

APPROVED *Anthony Spencel*

LOCAL AGENCY, PUBLIC WORKS DIRECTOR

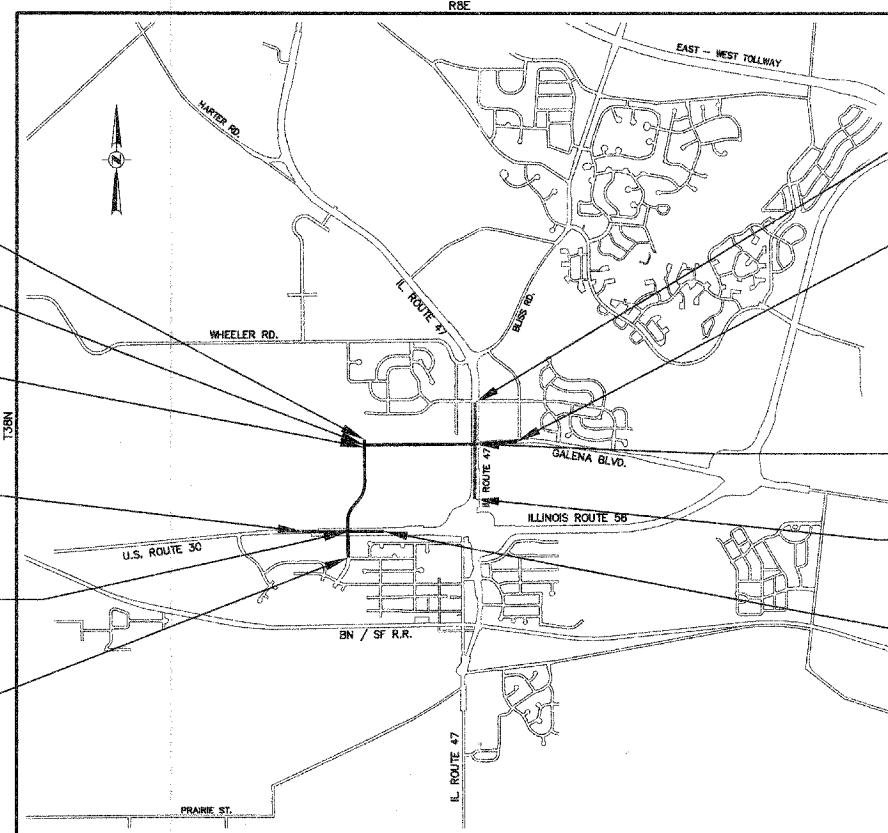
PASSED *May 30, 2008*

Chas Holt
DISTRICT ENGINEER OF LOCAL ROADS & STREETS
STATE OF ILLINOIS

RELEASING FOR BID BASED ON LIMITED REVIEW
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

May 30, 2008

DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER



LOCATION MAP

TOTAL LENGTH OF PROJECT = 12,544 FEET (2.37 MILES)
MUNICIPAL DRIVE = 3,400 FEET (0.64 MILES)
GALENA BOULEVARD = 4,966 FEET (0.94 MILES)
US ROUTE 30 = 2,210 FEET (0.42 MILES)
IL. ROUTE 47 = 1,968 FEET (0.37 MILES)

PROJECT LIMITS
STA. 310+61
IL. ROUTE 47

PROJECT LIMITS
STA. 249+66
GALENA BLVD.

PROJECT LIMITS
STA. 79+00
MUNICIPAL DR.

MUNICIPAL DRIVE STA. 77+50.06
GALENA BOULEVARD STA. 200+00

PROJECT LIMITS
STA. 200+00
GALENA BLVD.

PROJECT LIMITS
STA. 627+40
US ROUTE 30

ILL. RTE 47 STA. 300+00
GALENA BOULEVARD STA. 230+80.41

PROJECT LIMITS
STA. 290+93
IL. ROUTE 47

U.S. RTE 30 STA. 642+73.97
MUNICIPAL DRIVE STA. 51+94.53

PROJECT LIMITS
STA. 45+00
MUNICIPAL DR.

PROJECT LIMITS
STA. 649+90
US ROUTE 30

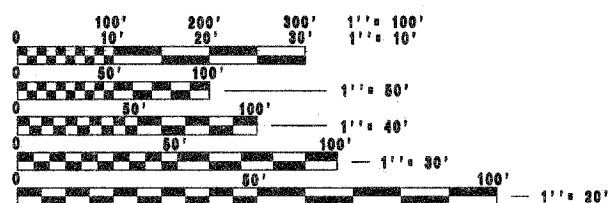


PROJECT DRAWINGS #E-1 TO #E-15 ARE PREPARED BY SUNJOY INC.

PROJECT ENGINEER



Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
Phone: (630) 466-9350



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

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



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	2
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

IDOT HIGHWAY STANDARDS

SHEET NO. SHEET DESCRIPTION

1.	COVER AND LOCATION MAP
2.	INDEX
3.	GENERAL NOTES
4.	FOX METRO WATER RECLAMATION DISTRICT NOTES
5.-10.	SUMMARY OF QUANTITIES
11.-25.	TYPICAL CROSS SECTIONS
26.-37.	SCHEDULE OF QUANTITIES (DRAINAGE, STRUCTURES, PAVEMENT MARKING, SIGN, WATER MAIN, SANITARY, EARTH WORK, AND RESTORATION)
38.	ALIGNMENT, TIES, AND BENCHMARKS
39.	GENERAL PLAN
40.-46.	EXISTING CONDITIONS AND REMOVAL PLAN
47.-50.	MUNICIPAL DRIVE - PLAN & PROFILE
51.-55.	GALENA BOULEVARD - PLAN & PROFILE
56.-57.	U.S. ROUTE 30 - PLAN & PROFILE
58.-60.	ILLINOIS ROUTE 47 - PLAN & PROFILE
61.-78.	TRAFFIC CONTROL AND STAGING PLAN
79.-86.	WATER MAIN & SANITARY SEWER PLAN
87.-92.	STORM SEWER PLAN
93.	GALENA BOULEVARD RETAINING WALL PLAN AND DETAILS
94.-95.	DETENTION BASIN DETAILS
96.	MUNICIPAL DRIVE & U.S. ROUTE 30 - INTERSECTION DETAIL
97.	GALENA BOULEVARD & ILLINOIS ROUTE 47 - INTERSECTION DETAIL
98.-103.	EROSION CONTROL & LANDSCAPING PLAN
104.-114.	STRIPING & SIGNAGE PLAN
115.-118.	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
119.-127.	GALENA BLVD. AND ILLINOIS ROUTE 47 - TRAFFIC SIGNAL REMOVAL AND TEMPORARY SIGNAL PLAN
128.-134.	GALENA BOULEVARD AND ILLINOIS ROUTE 47 - TRAFFIC SIGNAL MODERNIZATION PLAN
135.-139.	MUNICIPAL DRIVE AND U.S. ROUTE 30 - TRAFFIC SIGNAL PLAN
140.-154.	EXISTING, TEMPORARY, AND PROPOSED STREET LIGHTING PLANS
155.-168.	TYPICAL DETAILS
169.-173.	SOIL BORING PLANS
174.-183.	MUNICIPAL DRIVE - CROSS SECTIONS
184.-204.	GALENA BOULEVARD - CROSS SECTIONS
205.-218.	U.S. ROUTE 30 - CROSS SECTIONS
219.-232.	ILLINOIS ROUTE 47 - CROSS SECTIONS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
353001-04	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-07	PAVEMENT JOINTS
442201-03	CLASS C&D PATCHES
424001-05	CURB RAMPS FOR SIDEWALKS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
601001-02	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301-01	INLET, TYPE A
602306-01	INLET TYPE B
602401-01	MANHOLE, TYPE A
602406-02	MANHOLE -TYPE A 72 IN DIA
602501	VALVE VAULT - TYPE A
602701-01	MANHOLE STEPS
604001-02	FRAME AND LID, TYPE 1
604036-01	GRATE, TYPE B
604056-02	FRAMES AND GRATES, TYPE 11V
604091-01	FRAMES AND GRATES, TYPE 24
606001-03	CONCRETE CURB AND GUTTER TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
630001-07	STEEL PLATE BEAM GUARDRAIL
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
631011-04	TRAFFIC BARRIER TERMINAL, TYPE 2
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701001-01	OFF ROAD OPERATIONS - 2L2W - 15 FT MIN FROM EOP - 45 MPH+
701006-02	OFF ROAD OPERATIONS - 2L2W - 15FT TO EOP - 45MPH+
701101-01	OFF ROAD OPERATIONS - MULTILANE - LESS THAN 15 FT TO EOP
701106-01	OFF ROAD OPERATIONS - MULTILANE - MORE THAN 15FT AWAY
701306-01	LANE CLOSURE, 2L2W, SLOW MOVING, DAY ONLY
701326-02	LANE CLOSURE, 2L2W, PAVEMENT WIDENING
701421-01	LANE CLOSURE MULTILANE - DAY OPERATIONS ONLY 45-55 MPH
701422-01	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-02	LANE CLOSURE MULTILANE - INTERMITTENT OR MOVING OP 45 MPH+

701501-04	URBAN LANE CLOSURE, 2L2W, UNDIVIDED
701502-02	URBAN LANE CLOSURE, 2L2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-05	URBAN LANE CLOSURE MULTILANE 1W2W + NONTRAVESABLE MED
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL MOUNTING DETAILS
720021-01	SIGN PANELS - EXTRUDED ALUM TYPE
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVT. MARKER
805001	ELECTRIC SERVICE INSTALLATION DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STD PHASE DESIGNATION DIAGRAMS & PHASE SEQ
862001	UNINTERRUPTIBLE POWER SUPPLY
873001-01	TRAFFIC SIGNAL GROUND & BOND
876001	PEDESTRIAN PUSH BUTTON POST
877001-03	STEEL MAST ARM ASSEMBLY & POLE 16' THRU 55'
878001-06	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNT SIGNALS & FLASH BEACON INSTALL
880006	TRAFFIC SIGNAL MOUNT DETAILS - POST & BRACKET MOUNT
886001	DETECTOR LOOP INSTALLATIONS
BLR2-2	COMBINATION SECTION & ROW MARKERS

PLAN	DATE
SURVEYS	BY
GRADES CHECKED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO. _____	
STRUCTURE NOTATION CHKD	
NO. _____	

PROFILE	DATE
SURVEYS	BY
GRADES CHECKED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO. _____	
STRUCTURE NOTATION CHKD	
NO. _____	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE

PAY ITEM DESCRIPTION	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 2" (IL-9.5mm)	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22*	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	SBS/SBR PG 70-22*	4% @ 90 GYR.
HOT-MIX ASPHALT SHOULDERS, 8" (HMA BINDER IL-19mm) (BOTTOM 6") (HMA SURFACE IL-9.5mm) (TOP 2")	PG 64-22	4% @ 50 GYR.
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (IL-9.5mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED HOT-MIX ASPHALT LEVEL BINDER (MM), N50, (IL-4.75mm)	SBS/SBR PG 70-22	4% @ 50 GYR.
INCIDENTAL HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	PG 64-22	4% @ 70 GYR.

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

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT QUANTITIES IS 112 LBS/SQ. YD./INCH.

ROADWAY CLASSIFICATION	STRUCTURAL PAVEMENT DESIGN INFORMATION			
	MUNICIPAL DR.	GALENA BLVD	US 30	IL 47
POSTED SPEED LIMIT	URBAN COLLECTOR S. OF US 30: 30 MPH N. OF US 30: N/A	E. OF IL 47: MINOR URBAN ARTERIAL W. OF IL 47: URBAN COLLECTOR E. OF IL 47: 55 MPH W. OF IL 47: N/A	OTHER PRINCIPAL ARTERIAL 55 MPH	STRATEGIC REGIONAL ARTERIAL 45 MPH
DESIGN DESIGNATION	1,200(30) COLLECTOR 1.91 (FD 20) S. OF US 30: 1,300 (2007), 130 N. OF US 30: 12,000 (2030), 1,200 92%, 6%, 2%	1,600(30) COLLECTOR 2.53 (FD20) E. OF IL 47: 7,200 (2007), 720 W. OF IL 47: 16,000 (2030), 1,600 92%, 6%, 2%	13,000 (2007), 1,300 91.3%, 3.0%, 7.2%	19,000 (2007), 1,900 86.9%, 5.9%, 7.2%
STR. DESIGN TRAFFIC (YEAR), DIV VEHICLE BREAKDOWN %: PV, SU, MU % STR. DESIGN TRAF. IN DESIGN LANE TRAFFIC FACTOR ACTUAL, MINIMUM	PV: 32%, SU: 45%, MU: 45% 1.91, NO MINIMUM	PV: 32%, SU: 45%, MU: 45% 2.53, NO MINIMUM	PV: 32%, SU: 45%, MU: 45%	PV: 32%, SU: 43%, MU: 45%
AC TYPE	AC 20	AC 20	AC 20	AC 20
PG GRADE BINDER / SURFACE	PG 64 / PG 64	PG 64 / PG 64	PG 70 / PG 70	PG 70 / PG 70
SUBGRADE SUPPORT RATING	POOR	POOR	POOR	POOR

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<p style="text-align: center; font-size: 2em;">INDEX OF SHEETS</p>	
SCALE: NTS		DRAWN BY:	
DATE: 02/07/08		CHECKED BY: WBR	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

**FOX METRO WATER RECLAMATION DISTRICT
MANHOLE / SEWER PIPE MATERIALS AND INSTALLATION SPECIFICATIONS**

REVISED 5/4/07

MATERIALS

1. PIPE & FITTINGS

PIPE AND FITTINGS USED IN SANITARY SEWER CONSTRUCTION, SHALL BE POLYVINYL CHLORIDE (PVC) PIPE. PVC PIPE AND FITTINGS DATED OVER ONE YEAR OLD SHALL NOT BE PERMITTED FOR USE. THE TYPES OF PVC PIPE AND FITTINGS THAT SHALL BE USED IN THE DISTRICT INCLUDE:

0 POLY VINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS (ASTM - SDR SERIES), CONFORMING TO ASTM NUMBERS D-1784, D-3034, D-3212, F-412, AND F-477.

0 POLY VINYL CHLORIDE (PVC) PRESSURE RATED PIPE AND FITTINGS (ASTM - SDR SERIES), CONFORMING TO ASTM NUMBERS D-1784, D-2241, D-3139, F-412 AND F-477.

0 POLY VINYL CHLORIDE (PVC) PRESSURE RATED PIPE AND FITTINGS (AWWA DR-SERIES) CONFORMING TO AWWA C-900, AWWA C-905, AND ASTM NUMBERS D-1784, D-3139, F-412, AND F-477.

ALL PVC PLASTIC PIPE AND FITTINGS SHALL HAVE A CELL CLASSIFICATION OF 12454 AS DEFINED IN ASTM D-1784 AND SHALL HAVE MINIMUM PIPE STIFFNESS AS SHOWN BELOW IN TABLE 1. THE REQUIRED STANDARD DIMENSION RATIO (SDR) OR DIMENSION RATIO (DR) FOR PVC PIPE AND FITTINGS SHALL BE SELECTED BASED UPON THE DEPTH OF COVER, AS ALSO SHOWN IN TABLE 1.

DEPTH OF COVER	PIPE DIAMETER	MINIMUM THICKNESS	NATIONAL STANDARD	MINIMUM PIPE STIFFNESS
0' - 15'	6" - 12"	SDR 26	ASTM D-3034	115
0' - 15'	6" - 12"	SDR 26	ASTM D-2241	115
0' - 20'	6" - 12"	SDR 21	ASTM D-2241	224
0' - 30'	6" - 12"	DR-18	AWWA C-900	364
0' - 30'	14"	DR 18	AWWA C-905	364

PVC PIPE FITTINGS CONFORMING TO ASTM D-3034 AND ASTM D-2241 SHALL HAVE A MINIMUM WALL THICKNESS OF SDR 26 PLASTIC PIPE AS DEFINED IN TABLE 1 (ASTM D-3034 OR ASTM D-2241), AND AT LEAST THE SAME THICKNESS OF THE MAIN SEWER LINE IN WHICH THEY ARE BEING INSTALLED.

FITTINGS IN SIZES THROUGH TWELVE (12) INCHES SHALL BE MOLDED IN ONE PIECE (RE-DESIGNED 3-PIECE PLASTIC TRENCH FITTINGS INCLUDED) WITH ELASTOMERIC JOINTS AND MINIMUM SOCKET DEPTHS AS SPECIFIED IN EACH RESPECTIVE SECTION. FITTINGS ABOVE TWELVE (12) INCHES SHALL BE MOLDED OR FABRICATED WITH ELASTOMERIC JOINTS IN ACCORDANCE WITH ASTM STANDARDS D-1784 AND D-3139 INCORPORATING THE MANUFACTURER'S STANDARD PIPE BELLS AND GASKETS. GASKETS SHALL CONFORM TO ASTM F-477 AND ASTM F-913.

JOINTS SHALL MEET THE REQUIREMENTS OF ASTM STANDARD D-3212 OR D-3139, WHICHEVER IS APPLICABLE. FITTINGS WITH A GASKET RETENTION RACE FORMED BY HEATING OR CRIMPING ARE NOT PERMITTED THROUGHOUT THE DISTRICT. FOX METRO WATER RECLAMATION DISTRICT RESERVES THE RIGHT TO APPROVE ALL PIPE AND FITTINGS ON A CASE-BY-CASE BASIS.

2. BEDDING, HAUNCHING, AND INITIAL BACKFILL

BEDDING MATERIAL SHALL BE CA-7 CLASS 1A, AS OUTLINED IN ASTM D-2321 AND SHALL BE CERTIFIED BY THE MANUFACTURER AND APPROVED BY THE DISTRICT PRIOR TO INSTALLATION, TO HAVE THE FOLLOWING CHARACTERISTICS:

- 0 DESCRIPTION: SHALL BE CRUSHED STONE OR CRUSHED GRAVEL, AS PRODUCED FROM CRUSHING BY MECHANICAL MEANS.
- 0 GRADATION: SHALL MEET THE IDOT GRADATION OF CA-7
- 0 PLASTICITY INDEX: SHALL MEET A PLASTICITY INDEX OF 0 TO 4 PERCENT AS DETERMINED BY THE METHOD GIVEN IN AASHTO T 90.
- 0 SPECIFIC GRAVITY: SHALL HAVE A SPECIFIC GRAVITY (DRY) OF GREATER THAN 2.45.
- 0 SOURCES OF SUPPLY: ALL SOURCES OF SUPPLY SHALL BE APPROVED BY THE DISTRICT. ONLY COARSE AGGREGATES FROM THESE SOURCES SHALL BE USED ON THE JOB UNLESS APPROVAL IN WRITING IS OBTAINED FROM THE DISTRICT.

LABORATORY TEST

THE DISTRICT RESERVES THE RIGHT TO REQUIRE A CONTRACTOR TO SUBMIT CERTIFIED COPIES OF ALL REPORTS OF TESTS CONDUCTED BY AN INDEPENDENT LABORATORY BEFORE INSTALLATION OF PVC PLASTIC PIPE. TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH STANDARD METHOD OF TEST FOR PLASTIC PIPE. STANDARD SPECIFICATIONS FOR RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES. A MAXIMUM OF 8 INCHES OF ADJUSTING RINGS (2 TOTAL RINGS) IS ALLOWED. THE FRAME, CHIMNEY, AND TOP "LIP" OF THE CONE SECTION SHALL BE REQUIRED TO BE SEALED WITH A CHIMNEY SEAL. ONLY "ADAPTOR-SEAL", "INFI-SHIELD", CANUSA (WRAPID SEAL) OR AN APPROVED EQUAL WILL BE ALLOWED. DO NOT USE UNAPPROVED SEALS.

INTERNAL DIAMETER

PIPE SHALL BE CONSTRUCTED SO THAT THE INTERNAL DIAMETER DOES NOT DECREASE BY MORE THAN FIVE (5) PERCENT, IN ORDER TO PROVIDE THE COMPLETE HYDRAULIC CARRYING CAPACITY, AND TO OBTAIN THE JOINT PERFORMANCE AT FIVE (5) PERCENT MAXIMUM DIAMETRIC DEFLECTION.

PIPE INSTALLATION AND FIELD TESTING

1. INSTALLATION

WHEN A SPAN DUE TO OVER-DIG AT ANY WALL OR FOUNDATION EXCEEDS TWO (2) FEET, A SIX (6) INCH SDR 21 (OR THICKER) PVC PIPE SLEEVE THROUGH THE WALL SHALL BE ADDED THROUGH THE SPAN OF THE OVER-DIG AREA. THIS SLEEVE MUST EXTEND AN ADDITIONAL TWO (2) FEET BEYOND THE OVER-DIG AREA, RESTING ON UNDISTURBED SOIL. THIS SLEEVE WILL ACCOMMODATE A FOUR (4) INCH PVC SCHEDULE 40 (OR APPROVED EQUAL) PIPE THAT MUST BE SEALED AT THE SLEEVE, USING A SIX (6) INCH X FOUR (4) INCH REGULAR BRAND MISSION COUPLING. THE SLEEVE PIPE SHALL INCREASE AS NECESSARY TO ACCOMMODATE A LARGER SEWER SERVICE PIPE WHEN REQUIRED, AND SHALL BE SUPPORTED BY CA-7 CLASS 1A CRUSHED STONE OR GRAVEL. SEE FOX METRO'S "TRENCH DETAIL FOR SANITARY SEWER & MAINS".

TRENCH WIDTHS SHOULD BE STABLE OR SUPPORTED, PROVIDE A WIDTH SUFFICIENT, BUT NO GREATER THAN NECESSARY, TO ENSURE WORKING ROOM TO PROPERLY AND SAFELY PLACE AND CONSOLIDATE HAUNCHING AND OTHER EMBEDMENT MATERIALS. THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDE ENOUGH TO HAND WORK AND PLACE THE HAUNCHING MATERIAL FROM THE TRENCH FLOOR TO TWELVE (12) INCHES ABOVE THE TOP OF PIPE. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS SIXTEEN (16) INCHES AND THE MAXIMUM TRENCH WIDTH SHALL BE THE DIAMETER OF THE PIPE PLUS TWENTY FOUR (24) INCHES.

WHEN TRENCH WALL SUPPORTS SUCH AS TRENCH SHEETING, TRENCH JACKS, TRENCH SHIELDS OR BOXES ARE USED, ENSURE THE SUPPORT OF THE PIPE AND ITS EMBEDMENT IS MAINTAINED THROUGHOUT INSTALLATION, INCLUDING DURING AND AFTER THE REMOVAL OF SUCH SUPPORTS.

THE PIPE SHALL BE LAID SO THAT IT WILL BE UNIFORMLY SUPPORTED FOR ITS ENTIRE LENGTH. NO BLOCKING OF ANY KIND SHALL BE USED TO ADJUST THE PIPE TO GRADE EXCEPT WHEN EMBEDMENT CONCRETE IS USED. BEDDING SHALL BE A MINIMUM OF SIX (6) INCHES IN DEPTH. THE BEDDING MATERIAL SHALL BE PLACED AND WORKED IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT, THEN AROUND AND OVER THE CROWN OF THE PIPE BY A MINIMUM THICKNESS OF TWELVE (12) INCHES. THE GRANULAR EMBEDMENT MATERIAL SHALL BE PLACED AND CONSOLIDATED THE FULL WIDTH OF THE TRENCH. THE CONTRACTOR SHALL BE REQUIRED TO INSTALL THE PIPE IN SUCH A MANNER THAT THE DIAMETRIC DEFLECTION OF THE PIPE SHALL NOT EXCEED FIVE (5) PERCENT AND THE MATERIALS SURROUNDING THE PIPE SHALL BE PLACED AS OUTLINED IN ASTM D-2321.

PVC TRANSITION FITTINGS SHALL BE USED IN ALL NEW CONSTRUCTION WHEN JOINING PVC PIPES OF DIFFERENT OUTSIDE DIMENSIONS.

SERVICE CONNECTIONS TO NEW MAINS SHALL BE WITH A TEE/WYE FITTING WITH A 6" BRANCH. CAST IRON CLEAN OUT COVERS CONFORMING TO ASTM CLASS 25 OR HIGHER SHALL BE REQUIRED FOR ALL SANITARY SEWER SERVICES LOCATED IN ANY PAVED SURFACE. LOCATIONS OF SAID COVERS SHALL BE CONSTRUCTED PER THE APPROVED ENGINEERING PLAN.

THE USE OF DUCTILE IRON PIPE IS NOT ALLOWED FOR THE USE OF GRAVITY SEWERS IN THE FOX METRO WATER RECLAMATION DISTRICT. DUCTILE IRON PIPE MAY BE USED IN THE CONSTRUCTION OF "CASINGS" OR "SLEEVES" AROUND PVC CARRIER PIPES, AS WELL AS IN THE CONSTRUCTION OF PUMP STATION PIPING AND FORCE MAINS.

**GENERAL NOTES
FOR SANITARY SEWER CONSTRUCTION
IN THE FOX METRO WATER RECLAMATION DISTRICT**

REVISED 3/9/07

- ALL SANITARY SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "FOX METRO WATER RECLAMATION DISTRICT SEWER USE ORDINANCE NO. 633" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (SEE ITEM #5 BELOW).
- FINAL APPROVED SET OF PLANS AND SPECIFICATIONS MUST BE KEPT ON THE JOB SITE. FAILURE TO COMPLY WITH THIS PROVISION MAY RESULT IN A FINE AND/OR BE CONSIDERED CAUSE TO STOP THE JOB.
- THE SANITARY SEWER CONTRACTORS FOR ALL SANITARY SEWER MAIN EXTENSION PROJECTS SHALL NOTIFY THE FOX METRO WATER RECLAMATION DISTRICT'S ENGINEERING DEPARTMENT TWO (2) WORKING DAYS PRIOR TO START OF WORK. NOTIFICATION SHALL BE DONE VIA TELEPHONE AT (630) 301-6882, AND FAX AT (630) 892-4394 TO THE ENGINEERING DEPARTMENT. FOR SERVICE CONNECTIONS, CALL 24 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION AT (630) 301-6811.
- TO PREVENT ANY POSSIBLE INFILTRATION OR INFLOW FROM ENTERING THE EXISTING DOWNSTEAM SANITARY SYSTEM, A FACTORY-MADE PLUG(S) SHALL BE PLACED IN THE MANHOLE(S) BY THE CONTRACTOR, AS INDICATED ON THE FINAL APPROVED PLANS. THE PLACEMENT OF THE PLUG(S) SHOULD NOT INTERRUPT THE SERVICE OF ANY USER OF THE FOX METRO WATER RECLAMATION DISTRICT SEWER SYSTEM. THIS REQUIREMENT ONLY APPLIES TO EXISTING MANHOLES OWNED BY THE ENGINEERING DEPARTMENT, AND ONLY AFTER ANY ACCUMULATED WATER AND/OR CONSTRUCTION DRAINAGE HAS BEEN PROPERLY REMOVED. UNDER NO CIRCUMSTANCES IS NEW CONSTRUCTION TO BE ALLOWED TO DRAIN INTO THE EXISTING SYSTEM.
- ALL SANITARY SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 31-1.11 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". IN ADDITION, ALL MANHOLES SHALL BE VACUUM TESTED (MANHOLE TESTING WILL BE IN ACCORDANCE WITH ASTM-1244-93 OR IN ACCORDANCE WITH FOX METRO W.R.D. REQUIREMENTS. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENT WILL APPLY).
- ALL SANITARY SEWER PIPE AND FITTING TYPES SHALL CONFORM TO THOSE LISTED IN FOX METRO WATER RECLAMATION DISTRICT MANHOLE/SEWER PIPE SPECIFICATIONS. PIPE SIZE SHALL BE A MINIMUM OF 8" FOR SEWERS AND 6" FOR SEWER SERVICES.
- WHEN CONNECTING TO AN EXISTING SANITARY MAIN WHEN A TEE OR WYE IS NOT PROVIDED, AN "INSERTA TEE" FITTING MUST BE INSTALLED. THE MINIMUM DISTANCE BETWEEN FITTINGS IS 4 FEET CENTER TO CENTER. DISRUPTION OF ANY EXISTING SANITARY MAIN BY BREAKING OR CUTTING IN A WYE/TEE IS PROHIBITED UNLESS THE EXISTING MAIN IS CRACKED OR BROKEN AT THE POINT OF CONNECTION WITH "INSERTA TEE". A REPRESENTATIVE OF THE CITY OR VILLAGE SHALL DETERMINE THE EXISTING MAIN REPAIR OR REPLACEMENT REQUIRED ON A CASE BY CASE BASIS PRIOR TO CONNECTION, CONSTRUCTION OR INSTALLATION.
- "ADAPTOR-SEAL", "INFI-SHIELD", CANUSA (WRAPID SEAL) OR APPROVED EQUAL CHIMNEY SEALS SHALL BE INSTALLED ON ALL MANHOLES AND GREASE TRAPS. NO UNAPPROVED SEAL SHALL BE INSTALLED IN THE DISTRICT.
- PVC TRANSITION FITTINGS SHALL BE USED IN ALL NEW CONSTRUCTION WHEN JOINING PVC PIPES OF DIFFERENT OUTSIDE DIMENSIONS. REPAIRS DURING CONSTRUCTION ARE NOT PERMITTED. IF A PIPE IS DAMAGED DURING CONSTRUCTION, THE DAMAGED PIPE SHALL BE REMOVED TO THE CLOSEST DOWNSTEAM JOINT AND RE-LAID. FOR EXISTING SEWER MAINS OR SERVICE REPAIRS, A NON-SHEAR "MISSION" BRAND COUPLING MAY BE USED WHEN JOINING PIPES MADE OF DISSIMILAR MATERIAL OR WHERE NO "HUB" END EXISTS.
- ALL SANITARY INTERCEPTOR (MAINS 15" IN DIAMETER OR GREATER) MANHOLE FRAMES LOCATED WITHIN ANY PROPOSED DEVELOPMENT WILL BE REQUIRED TO BE ADJUSTED TO GRADE. UNDER NO CIRCUMSTANCES MAY THE AMOUNT (TWO TOTAL) OF ADJUSTING RINGS EXCEED 8 INCHES (SEE OUR TYPE A MANHOLE DETAIL). EXTREME CARE SHOULD BE TAKEN WHEN WORKING NEAR SANITARY MANHOLES.
- CAST IRON CLEAN-OUT COVERS ARE REQUIRED FOR ALL SEWER SERVICES THAT ARE PROPOSED IN PAVED AREAS (SEE OUR MANHOLE/SEWER PIPE SPECIFICATIONS).
- THE USE OF DUCTILE IRON PIPE IS NOT ALLOWED FOR THE USE OF GRAVITY SEWERS IN THE FOX METRO WATER RECLAMATION DISTRICT. DUCTILE IRON PIPE MAY BE USED IN THE CONSTRUCTION OF "CASINGS" OR "SLEEVES" AROUND PVC CARRIER PIPES, AS WELL AS IN THE CONSTRUCTION OF PUMP STATION PIPING AND FORCE MAINS.
- LANDSCAPING WITHIN ANY FOX METRO EASEMENT IS PROHIBITED WITHOUT WRITTEN APPROVAL. IT IS VITAL FOR ALL FOX METRO PERSONNEL TO BE ABLE TO ACCESS THE ENTIRE LENGTH OF ANY INTERCEPTOR OR EASEMENT FOR THE PURPOSE OF MAINTAINING THE INTEGRITY OF THE SANITARY SEWER SYSTEM.
- FOR COMMERCIAL AND INDUSTRIAL SERVICE LINES ONLY: ALL EXTERIOR SANITARY SERVICE LINES WILL NEED TO BE CONNECTED TO THE INTERIOR PLUMBING SYSTEM BY THE BONDED CONTRACTOR WHO IS NAMED ON THE FOX METRO WATER RECLAMATION DISTRICT CONNECTION PERMIT. IN THE EVENT THE OUTSIDE CONTRACTOR INSTALLS THE SANITARY SERVICE BEFORE THE INTERIOR PLUMBER HAS "STUBBED" THE SEWER LINE TO A POINT FIVE (5) FEET PAST THE FOUNDATION WALL, THE OUTSIDE CONTRACTOR SHALL BE REQUIRED TO TERMINATE THE CONSTRUCTION OF SAID SERVICE AT A POINT NO LESS THAN FIFTEEN (15) FEET FROM THE FOUNDATION WALL. ONLY FOX METRO WILL INSPECT THE FINAL CONNECTION.
- ALL SANITARY RISERS SHALL BE REQUIRED TO BE CONSTRUCTED TO A DEPTH OF NO GREATER THAN NINE (9) FEET DEEP WHEN THE DEVELOPER DESIRES GRAVITY SANITARY SERVICE CONNECTIONS. IN THE EVENT THE DEVELOPER PROPOSES ALL OVERHEAD OR "HUNG" SEWERS, SAID SEWER RISERS SHALL BE CONSTRUCTED TO A DEPTH OF NO GREATER THAN 6"-7" FEET DEEP (OR AS SHALLOW AS POSSIBLE IN ORDER TO AVOID CONFLICT ISSUES). IF A CONFLICT ARISES, ILLINOIS EPA WATER & SEWER SEPARATION REQUIREMENTS TAKE PRECEDENCE OVER FOX METRO'S MAXIMUM RISER DEPTH REQUIREMENTS.

**FOX METRO WATER RECLAMATION DISTRICT
SANITARY SEWER INSTALLATION RULES AND REGULATIONS**

REVISED 7/25/07

THE FOX METRO WATER RECLAMATION DISTRICT HAS FIRST JURISDICTION IN THE METROPOLITAN SEWER AREA, AND ALL DISCHARGES TO THE SANITARY SYSTEM WILL BE CONTROLLED AND MONITORED BY THE FOX METRO WATER RECLAMATION DISTRICT.

- ILLEGAL DISCHARGES
- FAILURE TO COMPLY WITH DISTRICT ORDINANCES MAY RESULT IN PENALTIES NOT TO EXCEED \$2,000.00 FOR EACH VIOLATION, AND IN SOME OCCASIONS RESULT IN THE REVOCATION OR REJECTION OF BOND. THE FOLLOWING REPRESENT THE MOST COMMON VIOLATIONS THAT ARE SUBJECT TO FINES AS REQUIRED BY THE SEWER USE ORDINANCE OF THE DISTRICT:
 - MAINLINE SEWER CONSTRUCTION WITHOUT 48 HOUR NOTICE
 - CONSTRUCTION OF SANITARY SERVICE OR REPAIR WITHOUT INSPECTION
 - CONSTRUCTION OF SANITARY SERVICES, OR REPAIRS WITHOUT BOND
 - UNSECURED SYSTEM (NO PLUG)
 - CONSTRUCTION USING UNAPPROVED PLANS
 - GROUND WATER RELEASE INTO THE PUBLIC SEWER SYSTEM.

PLEASE PAY PARTICULAR ATTENTION TO THIS ITEM. THERE HAVE BEEN MANY INSTANCES RECENTLY WHICH HAVE RESULTED IN FINES FOR VARIOUS CONTRACTORS. UNDER NO CIRCUMSTANCES WILL FOX METRO ALLOW ANY AGGREGATES, MUD, CLAY OR GROUND WATER TO ENTER THE SANITARY SEWER SYSTEM. FAILURE TO COMPLY WILL RESULT IN MAXIMUM FINES, AS WELL AS POSSIBLE CLEANING AND TREATMENT COSTS. REPEAT OFFENDERS MAY BECOME SUBJECT TO HAVING THEIR BOND REVOKED AND DENIED FUTURE WORK IN FOX METRO'S SERVICE AREA. CALL THE ENGINEERING DEPARTMENT AT (630) 301-6882 WITH QUESTIONS.

THESE ITEMS ARE STRICTLY PROHIBITED AND SUBJECT TO A MAXIMUM FINE OF \$2,000.00 FOR EACH. THESE FINES DOUBLE WITH EACH OCCURRENCE BY THE SAME COMPANY, INDIVIDUAL OR CONTRACTOR. USAGE AND CLEANING FEES ARE LEVIED FOR ALL WATER RELEASES INTO THE EXISTING SEWER SYSTEM.

2. ALL NEW SANITARY CONSTRUCTION MUST BE SECURELY PLUGGED. THIS PLUG MUST BE MAINTAINED TO PREVENT UNNECESSARY FLOW OR DISCHARGE INTO THE EXISTING SANITARY SYSTEM. THIS PLUG MAY ONLY BE REMOVED AFTER ALL CONSTRUCTION DRAINAGE HAS BEEN PROPERLY REMOVED AND COMPLETE AIR AND VACUUM TEST RESULTS HAVE BEEN RECEIVED AND APPROVED BY THE ENGINEERING DEPARTMENT.

DATE	BY

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
FOX METRO WATER RECLAMATION DISTRICT NOTES	
SCALE: NTS	DRAWN BY:
DATE: 02/07/08	CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	5
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE						
					1000-2A	Y002 - TRAFFIC SIGNS	Y030 -/E HIGHWAY LIGHTING	Y031 -/F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	Y080 - TRAINING	Y060 100% VILLAGE
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	198	198						
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	75	75						
	20200100	EARTH EXCAVATION	CU YD	27455	27455						
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	186	186						
	20700300	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	100	100						
	20800150	TRENCH BACKFILL	CU YD	1946	882						1064
	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	1688	1688						
	25000110	SEEDING, CLASS 1A	ACRE	7	7						
	25000200	SEEDING, CLASS 2	ACRE	7	7						
	25000314	SEEDING, CLASS 4B	ACRE	1	1						
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1286	1286						
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1286	1286						
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1286	1286						
	25100125	MULCH, METHOD 3	ACRE	15	15						
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4080	4080						
	28000300	TEMPORARY DITCH CHECKS	EACH	18	18						
	28000400	PERIMETER EROSION BARRIER	FOOT	12926	12926						
	28000500	INLET AND PIPE PROTECTION	EACH	9	9						
	28000510	INLET FILTERS	EACH	73	73						
	28100105	STONE RIPRAP, CLASS A3	SQ YD	124	124						
	28200200	FILTER FABRIC	SQ YD	124	124						
	31101600	SUB-BASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	913	246				667		
	35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	5864	5864						
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	13579	13579						
	40600300	AGGREGATE (PRIME COAT)	TON	20	20						
	40600895	CONSTRUCTING TEST STRIP	EACH	4	4						
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1034	1034						
	40600990	TEMPORARY RAMPS	SQ YD	150	150						
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3329	3329						
	40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	11410	11410						
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	75					75		
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2493	2493						
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	7146	7146						
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	338	338						
	44000100	PAVEMENT REMOVAL	SQ YD	1285	1285						
	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	3733	3733						
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	24625	24625						
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	180	180						
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1621	1621						
	44000600	SIDEWALK REMOVAL	SQ FT	2870	2870						
	44003100	MEDIAN REMOVAL	SQ FT	2658	2658						
	44004250	PAVED SHOULDER REMOVAL	SQ YD	2581	2581						
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	52	52						
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	26	26						
	44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	56	56						
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5812	5812						

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	NO. _____	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	6
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE						
					1000-2A	Y002 - TRAFFIC SIGNS	Y030 - /E HIGHWAY LIGHTING	Y031 - /F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	Y080 - TRAINING	Y060 100% VILLAGE
	50105220	PIPE CULVERT REMOVAL	FOOT	327	327						
	50300225	CONCRETE STRUCTURES	CJ YD	189	189						
	50800105	REINFORCEMENT BARS	POUND	14670	14670						
	54001000	BOX CULVERT END SECTIONS	EACH	4	4						
	54010302	PRECAST CONCRETE BOX CULVERT 3' X 2'	FOOT	145	145						
	54010402	PRECAST CONCRETE BOX CULVERT 4' X 2'	FOOT	215	215						
	542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	40	40						
	542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	24	24						
	54206739	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE, EQUIVALENT ROUND-SIZE 24"	FOOT	144	144						
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	16	16						
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	5	5						
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2						
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1						
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2565	2565						
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	553	553						
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	521	521						
	550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	131	131						
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	639	639						
	550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	285	285						
	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	68	68						
	550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	262	262						
	550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	187	187						
	550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	468	468						
	55100500	STORM SEWER REMOVAL 12"	FOOT	60	60						
	55100700	STORM SEWER REMOVAL 15"	FOOT	45	45						
	55100900	STORM SEWER REMOVAL 18"	FOOT	282	282						
*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	31							31
*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	30							30
*	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	3596							3596
*	56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1							1
	59100100	GECOMPOSITE WALL DRAIN	SQ YD	265	265						
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	15	15						
	60107600	PIPE UNDERDRAIN 4"	FOOT	1322	1322						
	60108100	PIPE UNDERDRAIN 4" (SPECIAL)	FOOT	180	180						
	60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	2	2						
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	11	11						
	60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	11	11						
	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	6	6						
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12						
	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3	3						
	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2						
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5						

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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	7
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE						
					1000 - 2A	Y002 - TRAFFIC SIGNS	Y030 - /E HIGHWAY LIGHTING	Y031 - /F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	Y080 - TRAINING	Y060 100% VILLAGE
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
	60228110	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6							6
	60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	11	11						
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	13	13						
	60240312	INLETS, TYPE B, TYPE 11V FRAME AND GRATE	EACH	5	5						
	60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	8	8						
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7						
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2						
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1						
	60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	4	4						
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3	3						
	60500050	REMOVING CATCH BASINS	EACH	1	1						
	60500060	REMOVING INLETS	EACH	4	4						
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3728	3728						
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	5819	5819						
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	17929	17929						
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	11044	11044						
	61100605	MISCELLANEOUS CONCRETE	CU YD	5	5						
	61101007	STORM SEWERS PROTECTED, CLASS A, 6"	FOOT	50	50						
	61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	50	50						
	61101011	STORM SEWERS PROTECTED, CLASS A, 10"	FOOT	50	50						
	61133100	FIELD TILE JUNCTION VAULT 2'	EACH	5	5						
	61139900	STORM SEWER (SPECIAL) 6"	FOOT	50	50						
	61140000	STORM SEWER (SPECIAL) 8"	FOOT	50	50						
	61140100	STORM SEWER (SPECIAL) 10"	FOOT	50	50						
*	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	438	438						
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2						
	67100100	MOBILIZATION	L SUM	1	1						
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	60						
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	32	30			2			
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5220	5220						
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1706	1706						
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	39264	39264						
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	9513	9513						
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1289	1289						
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	401	401						
	70300320	PAVEMENT MARKING TAPE, TYPE I 4"	FOOT	750	750						
	70300360	PAVEMENT MARKING TAPE, TYPE I 12"	FOOT	320	320						
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	860	860						
	72000100	SIGN PANEL - TYPE 1	SQ FT	455		327		128			
	72000200	SIGN PANEL - TYPE 2	SQ FT	32		32					
	72000300	SIGN PANEL - TYPE 3	SQ FT	378		378					
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1					
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	810		810					

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS DRAWN BY:

DATE: 02/07/08 CHECKED BY: WBR

PLAN	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BY	
	ALIGNED	
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NOTE BOOK	GRADES CHECKED	BY
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE					Y060 100% VILLAGE
					1000-2A	Y002 - TRAFFIC SIGNS	Y030 - /E HIGHWAY LIGHTING	Y031 - /F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	
	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	3		3				
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1994	1994					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	30504	30504					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10591	10591					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1446	1446					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	520	520					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	357	357					
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	10	10					
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2					
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	1730	1730					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	300	300					
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1			
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1			
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2134				2134		
*	81000700	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL	FOOT	590				590		
*	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	292			240	52		
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	212				212		
*	81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	34				34		
*	81018500	CONDUIT, PUSHED 2" DIA., GALVANIZED STEEL	FOOT	522				522		
*	81018600	CONDUIT, PUSHED 2-1/2" DIA., GALVANIZED STEEL	FOOT	301			190	111		
*	81018900	CONDUIT, PUSHED 4" DIA., GALVANIZED STEEL	FOOT	1298			306	992		
*	81400100	HANDHOLE	EACH	10				10		
*	81400200	HEAVY-DUTY HANDHOLE	EACH	7				7		
*	81400300	DOUBLE HANDHOLE	EACH	4				4		
*	81603210	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE	FOOT	4469				4469		
	81701345	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 3/0	FOOT	280				280		
*	81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	800				800		
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3715			500	3215		
*	82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	4				4		
*	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	22				22		
*	82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1				1		
*	83050730	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. DAVIT ARM	EACH	8				8		
*	83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	14				14		
*	83057220	LIGHT POLE, WOOD, 40 FOOT, CLASS 4	EACH	2				2		
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	180				180		
*	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	40				40		
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	22				22		
*	84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	2				2		
*	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	2				2		
*	84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	6				6		
*	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		
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1				1		

PLAN	REVISIONS	DATE
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PROFILE	REVISIONS	DATE
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. N/A	SECTION 06-00017-00-PV	COUNTY KANE	TOTAL SHEETS 232	SHEET NO. 9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE						
					1000 - 2A	Y002 - TRAFFIC SIGNS	Y030 - /E HIGHWAY LIGHTING	Y031 - /F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	Y080 - TRAINING	Y060 100% VILLAGE
*	85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1				1			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2388				2388			
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4647				4647			
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4851				4851			
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7540				7540			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	337				337			
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8				8			
*	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1				1			
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1				1			
*	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1				1			
*	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1				1			
*	87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1				1			
*	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1				1			
*	87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	3				3			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36				36			
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8				8			
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	120				120			
*	87900200	DRILL EXISTING HANDHOLE	EACH	1				1			
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12				12			
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10				10			
*	88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2				2			
*	88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	6				6			
*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED ALUMINUM	EACH	22				22			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	30				30			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	4122				4122			
*	88700200	LIGHT DETECTOR	EACH	9				9			
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	4				4			
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1				1			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5432				5432			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1			
*	89502380	REMOVE EXISTING HANDHOLE	EACH	7				7			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		2		7			
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6491				6491			
*	X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4			4				
*	X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1				1			
*	X0502600	TEMPORARY LIGHTING	L SUM	1			1				
*	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	166	166						
*	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	2				2			
*	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	6491				6491			
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2458				2458			
*	X8730250	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDE	FOOT	2562				2562			
*	XX000836	PRESSURE TESTING AND DISINFECTION	L SUM	1							1
*	XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	POUND	2876							2876
*	XX003787	FIRE HYDRANT ASSEMBLY & VALVE	EACH	7							7

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS
 DATE: 02/07/08
 DRAWN BY:
 CHECKED BY: WBR

PLAN	DATE
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	10
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

SPECIALTY ITEMS	PAY ITEM NUMBER	PAY ITEM DESCRIPTION	UNITS	QUANTITY	80 % FEDERAL 20% VILLAGE						
					1000-2A	Y002 - TRAFFIC SIGNS	Y030 - /E HIGHWAY LIGHTING	Y031 - /F TRAFFIC SIGNALS	Y046 - BICYCLE & PEDESTRIAN FACILITY	Y080 - TRAINING	Y060 100% VILLAGE
	XX003919	FLAGPOLE RELOCATION	L SUM	1	1						
	XX004096	REMOVE AND RE-INSTALL CONCRETE FLARED END SECTIONS	EACH	7	7						
	* XX004731	CONNECTION TO EXISTING WATERMAIN	EACH	4							4
	* XX004907	GATE VALVE 12" WITH VAULT, 5' DIAMETER	EACH	8							8
	* X0325705	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1				1			
	* XX005084	LIGHTING CONTROLLER FOUNDATION	EACH	1			1				
	* XX005106	PVC CASING PIPE, 18"	FOOT	25							25
	* XX005401	STEEL CASING PIPE 24" (BORED AND JACKED)	FOOT	365							365
	* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	2				2			
	* XX006937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	20			20				
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	34,661	34,661						
	Z0002750	BARRICADES, TYPE III	EACH	9	9						
	Z0076600	TRAINEES	HOUR	3,500						3,500	
	* XX007558	GATE VALVE 6" WITH VAULT, 4' DIAMETER	EACH	1							1
	* XX007559	GATE VALVE 8" WITH VAULT, 4' DIAMETER	EACH	1							1
	* XX007560	SANITARY SEWER, PVC SDR-21, 10"	FOOT	815							815
	* XX007561	SANITARY SEWER, PVC SDR-21, 12"	FOOT	545							545
	XX007562	SIGN REMOVAL, SPECIAL	L SUM	1			1				
	X0324879	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4	4						
	* XX007563	TEMPORARY LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT 310 WATT WITH PHOTOCCELL	EACH	4				4			
	* XX007564	TEMPORARY LUMINAIRE, SODIUM VAPOR HORIZONTAL MOUNT 400 WATT WITH PHOTOCCELL	EACH	4				4			
	* XX007565	POLYETHYLENE DUCT BORED AND PULLED, 1 1/4" DIA WITH ELECTRIC CABLE 600 V (EPR-TYPE RHW) 3-1/C NO. 6 AND 1/C NO. 6 GROUND	FOOT	5,350				5,350			
	XX007566	STORM SEWER REMOVAL AND REINSTALLATION, 15"	FOOT	25	25						

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STRUCTURE NOTATION GRID	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

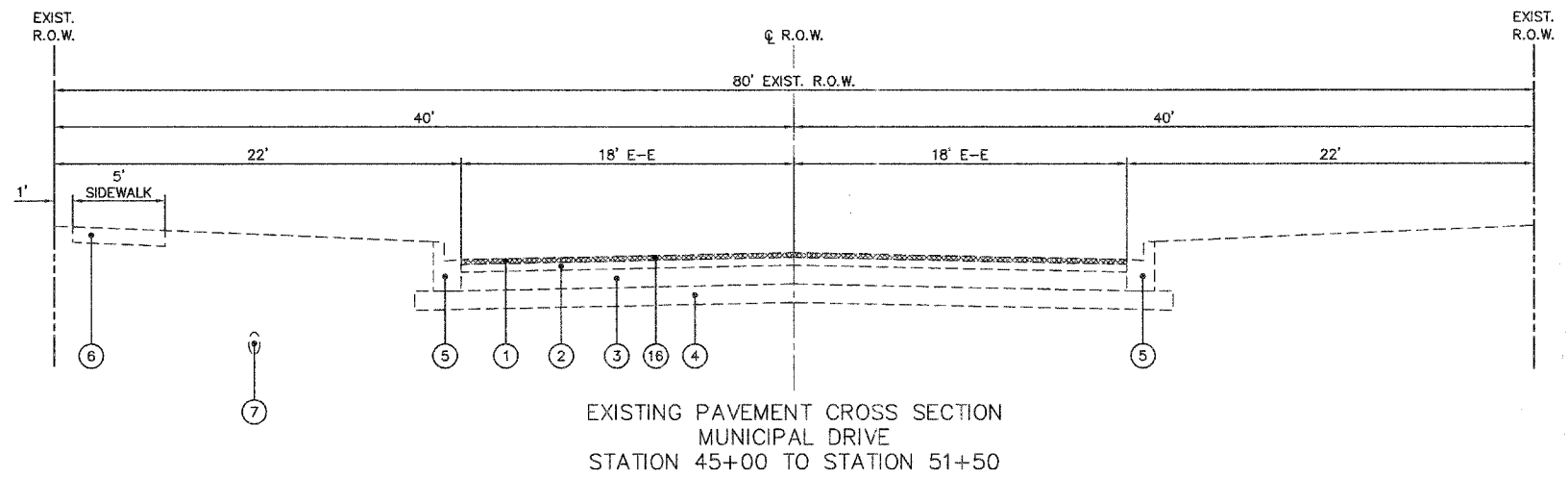
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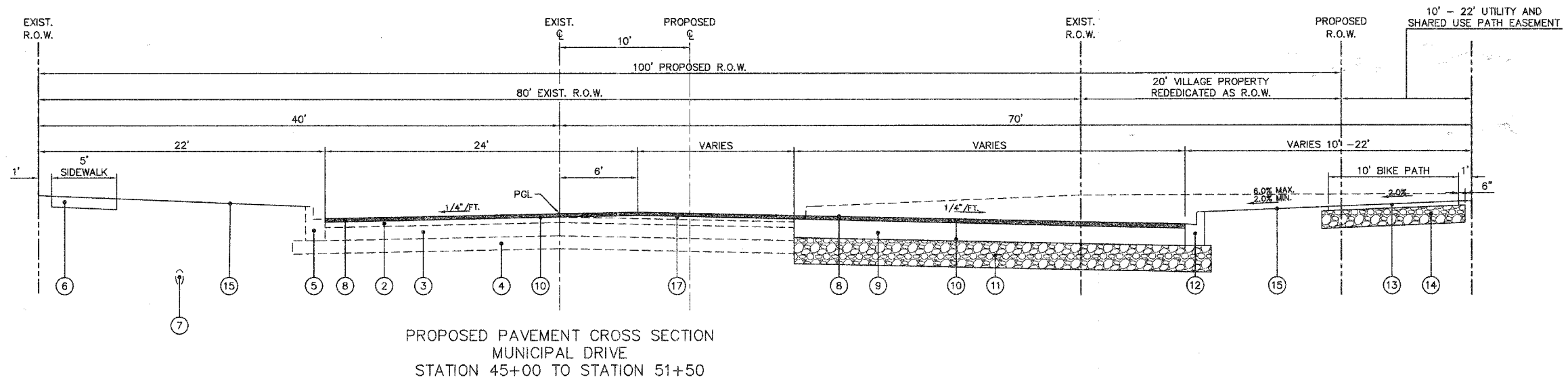
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	11
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
BY	
DESIGNED	
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EXISTING PAVEMENT CROSS SECTION
MUNICIPAL DRIVE
STATION 45+00 TO STATION 51+50

PROFILE	DATE
BY	
DESIGNED	
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GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. _____	
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PROPOSED PAVEMENT CROSS SECTION
MUNICIPAL DRIVE
STATION 45+00 TO STATION 51+50

LEGEND

- | | |
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| ① EXISTING BITUMINOUS CONCRETE SURFACE, 1.5" | ⑩ BITUMINOUS MATERIAL (PRIME COAT) |
| ② EXISTING BITUMINOUS CONCRETE BINDER, 2.5" | ⑪ AGGREGATE SUBGRADE, 12" |
| ③ EXISTING BITUMINOUS BASE COURSE, 6" | ⑫ COMBINATION CONCRETE CURB AND GUTTER, B-6.12 |
| ④ EXISTING AGGREGATE CASE COURSE, 6" | ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" |
| ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12 | ⑭ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" |
| ⑥ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK | ⑮ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ⑦ EXISTING 10" WATER MAIN | ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| ⑧ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" | ⑰ POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 (0 - 1.5") |
| ⑨ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8.5" | |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS
DATE: 02/07/08

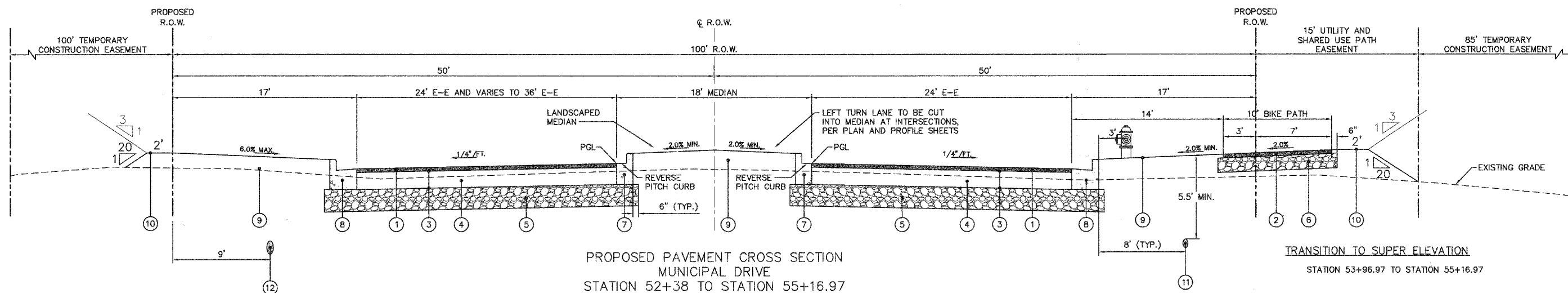
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F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-FV	KANE	232	12
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

PLAN	REVISIONS	DATE
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LEGEND

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| ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" | ⑧ COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ② HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" | ⑨ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ③ BITUMINOUS MATERIAL (PRIME COAT) | ⑩ 4" TOPSOIL, SEEDING CLASS 2, AND MULCH METHOD 3 |
| ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9" | ⑪ WATER MAIN |
| ⑤ AGGREGATE SUBGRADE, 12" | ⑫ STORM SEWER |
| ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" | ⑬ CONCRETE MEDIAN, TYPE SB-6.12 |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, B-6.12 | |

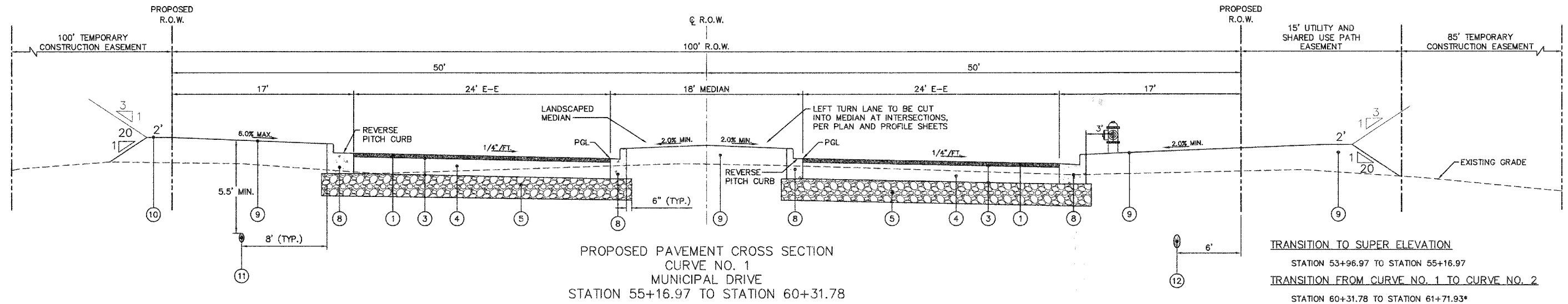
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NAME	DATE	<p style="text-align: center;">TYPICAL CROSS SECTIONS</p> <p>SCALE: NTS DATE: 02/07/08 DRAWN BY: CHECKED BY: WBR</p>	

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

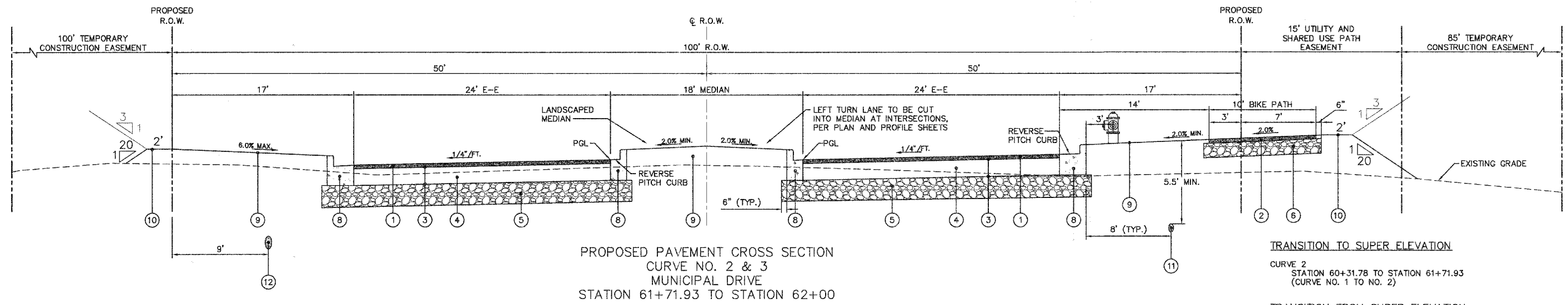
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PROPOSED PAVEMENT CROSS SECTION
 CURVE NO. 1
 MUNICIPAL DRIVE
 STATION 55+16.97 TO STATION 60+31.78

TRANSITION TO SUPER ELEVATION
 STATION 53+96.97 TO STATION 55+16.97
 TRANSITION FROM CURVE NO. 1 TO CURVE NO. 2
 STATION 60+31.78 TO STATION 61+71.93*

*NOTE: THIS IS LOCATION IN CURVE NO. 2



PROPOSED PAVEMENT CROSS SECTION
 CURVE NO. 2 & 3
 MUNICIPAL DRIVE
 STATION 61+71.93 TO STATION 62+00

TRANSITION TO SUPER ELEVATION
 CURVE 2
 STATION 60+31.78 TO STATION 61+71.93
 (CURVE NO. 1 TO NO. 2)
 TRANSITION FROM SUPER ELEVATION
 CURVE 2
 STATION 66+81.31 TO STATION 68+01.34

LEGEND

- | | |
|---|--|
| ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (STA. 55+16.97 TO 58+50) | ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" |
| ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (STA. 58+50 TO 62+00) | ⑦ COMBINATION CONCRETE CURB AND GUTTER, B-6.12 |
| ③ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" | ⑧ COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ④ BITUMINOUS MATERIAL (PRIME COAT) | ⑨ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ⑤ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9" | ⑩ 4" TOPSOIL, SEEDING CLASS 2, AND MULCH METHOD 3 |
| ⑥ AGGREGATE SUBGRADE, 12" | ⑪ WATER MAIN |
| | ⑫ STORM SEWER |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS

DATE: 02/07/08

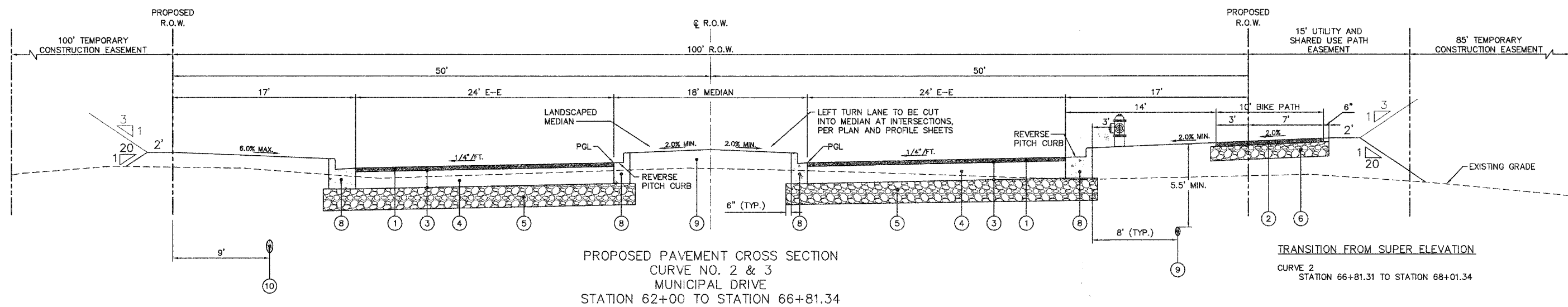
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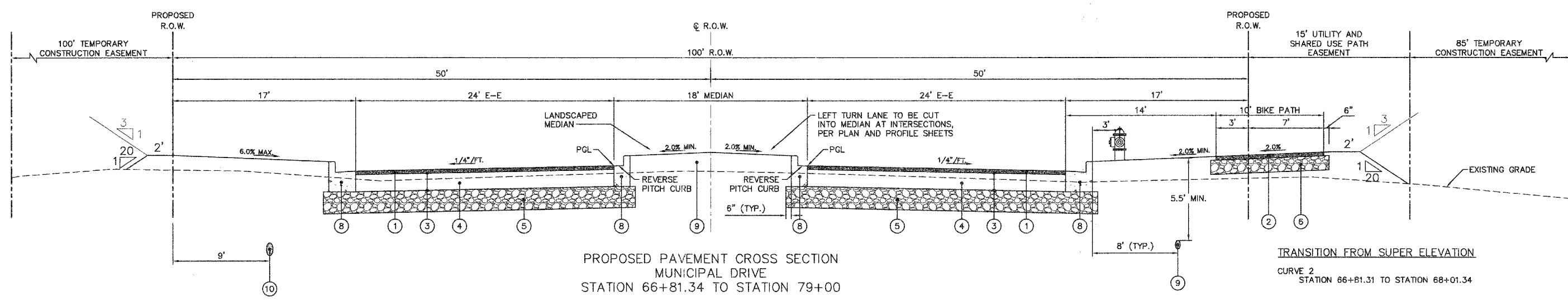
Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	14
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

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LEGEND

- | | |
|---|---|
| ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" | ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE B, 8" |
| ② EXISTING HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" | ⑦ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12 |
| ③ EXISTING BITUMINOUS MATERIAL (PRIME COAT) | ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ④ EXISTING HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9" | ⑨ EXISTING WATER MAIN |
| ⑤ EXISTING AGGREGATE SUBGRADE, 12" | ⑩ EXISTING STORM SEWER |
| | ⑪ EXISTING CONCRETE MEDIAN, TYPE SB-6.12 |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS
DATE: 02/07/08

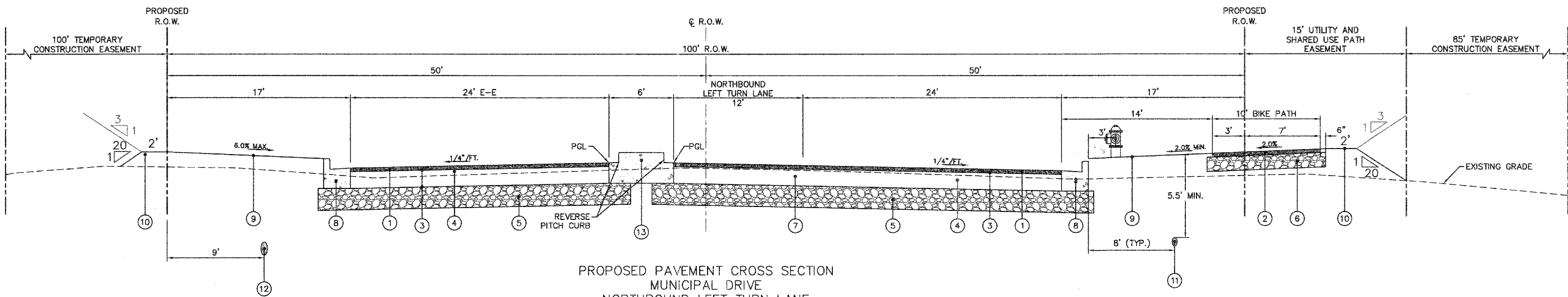
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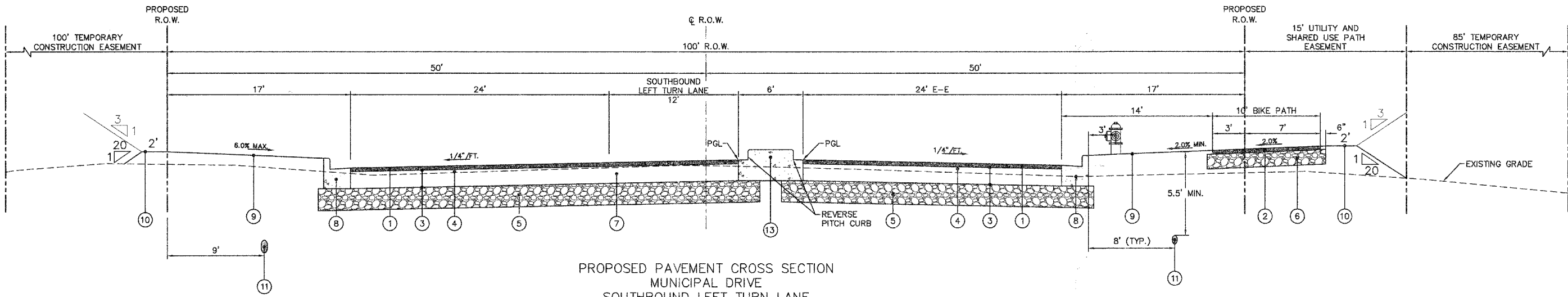
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

DATE	BY



PROPOSED PAVEMENT CROSS SECTION
MUNICIPAL DRIVE
NORTHBOUND LEFT TURN LANE
(SEE PLAN AND PROFILE SHEETS FOR LOCATION)



PROPOSED PAVEMENT CROSS SECTION
MUNICIPAL DRIVE
SOUTHBOUND LEFT TURN LANE
(SEE PLAN AND PROFILE SHEETS FOR LOCATION)

LEGEND

- | | |
|--|--|
| ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" (STA. 53+00 TO 58+50) | ⑦ COMBINATION CONCRETE CURB AND GUTTER, B-6.12 |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (STA. 58+50 TO 79+00) | ⑧ COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ② HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" | ⑨ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ③ BITUMINOUS MATERIAL (PRIME COAT) | ⑩ 4" TOPSOIL, SEEDING CLASS 2, AND MULCH METHOD 3 |
| ④ EXISTING HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9" | ⑪ WATER MAIN |
| ⑤ AGGREGATE SUBGRADE, 12" | ⑫ STORM SEWER |
| ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" | ⑬ CONCRETE MEDIAN, TYPE SB-6.12 |

REVISIONS	
NAME	DATE

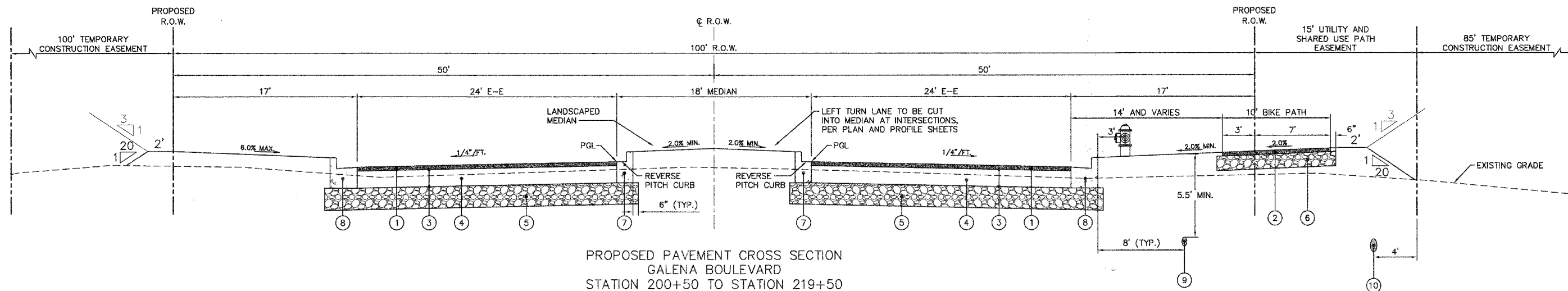
ILLINOIS DEPARTMENT OF TRANSPORTATION	
TYPICAL CROSS SECTIONS	
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DATE: 02/07/08	CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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NOTE BOOK		
GRADES CHECKED		
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DATE		
STRUCTURE NOTATION		
NO.		
BY		
DATE		



PROPOSED PAVEMENT CROSS SECTION
GALENA BOULEVARD
STATION 200+50 TO STATION 219+50

LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ③ EXISTING BITUMINOUS MATERIAL (PRIME COAT)
- ④ EXISTING HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9.5"
- ⑤ EXISTING AGGREGATE SUBGRADE, 12"
- ⑥ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ⑦ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- ⑧ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- ⑨ EXISTING WATER MAIN
- ⑩ EXISTING STORM SEWER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS
DATE: 02/07/08

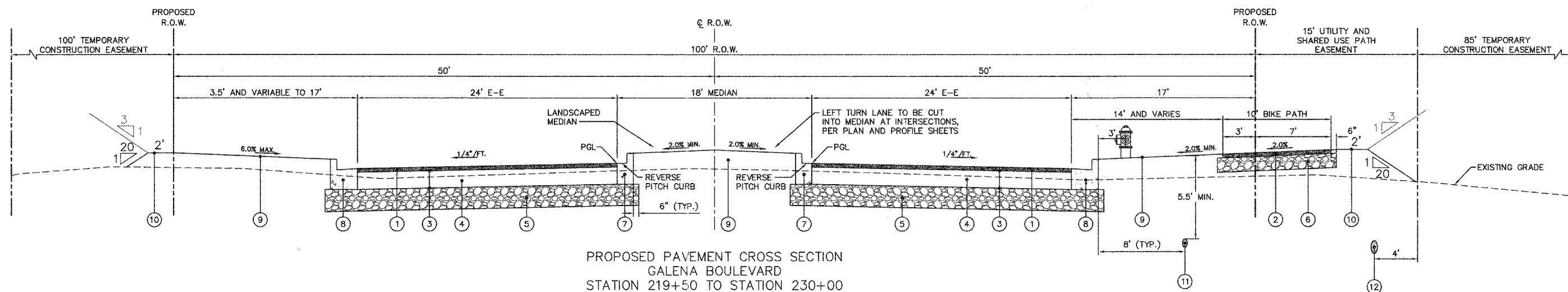
DRAWN BY:
CHECKED BY: WBR

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	17
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

PLAN	REVISIONS	DATE
NO.	NO.	
BY	BY	
DATE	DATE	

PROFILE	REVISIONS	DATE
NO.	NO.	
BY	BY	
DATE	DATE	



PROPOSED PAVEMENT CROSS SECTION
GALENA BOULEVARD
STATION 219+50 TO STATION 230+00

LEGEND

- | | |
|--|--|
| ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" | ⑧ COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ② HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" | ⑨ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ③ BITUMINOUS MATERIAL (PRIME COAT) | ⑩ 4" TOPSOIL, SEEDING CLASS 2, AND MULCH METHOD 3 |
| ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9.5" | ⑪ WATER MAIN |
| ⑤ AGGREGATE SUBGRADE, 12" | ⑫ STORM SEWER |
| ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" | |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, B-6.12 | |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

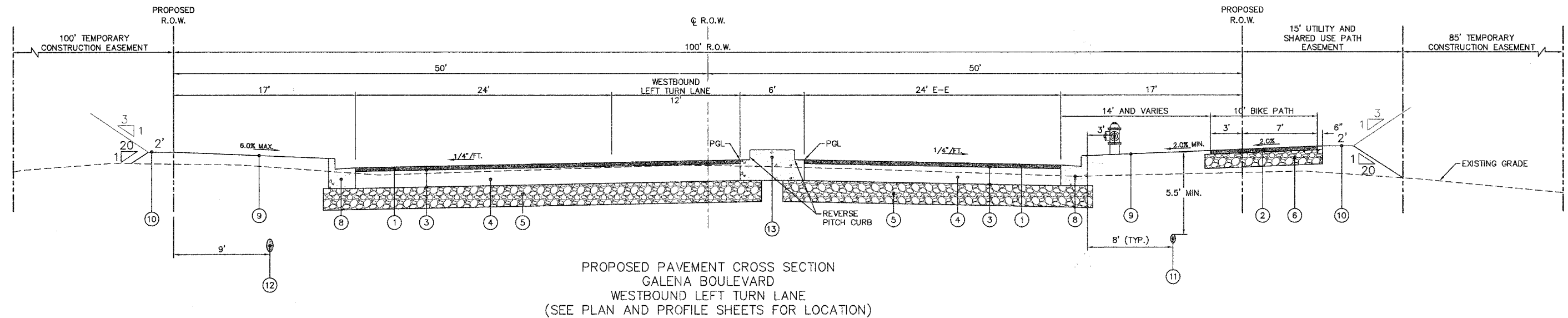
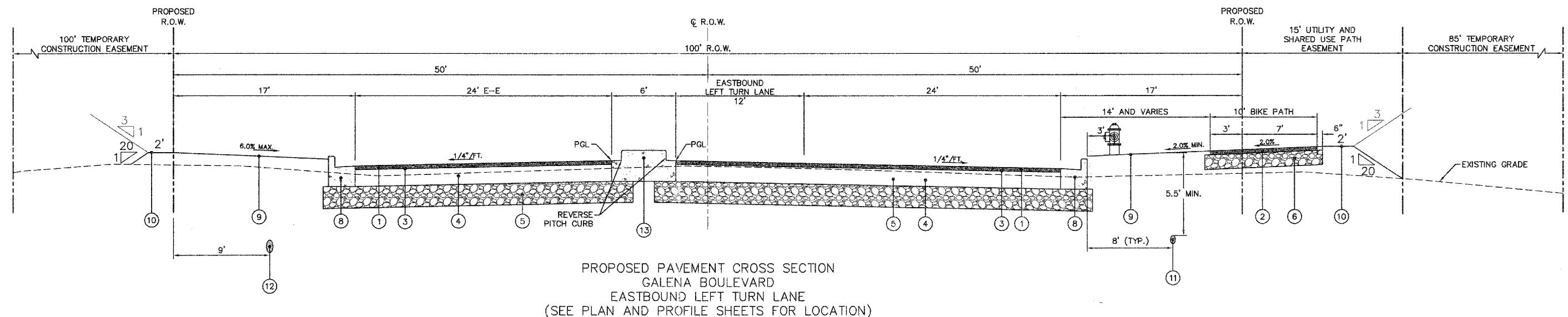
SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	18
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

PLAN	DATE
SURVEYED	BY
GRADES CHECKED	
ALIGNED	
NOTED	
STRUCTURE NOTATION	
NO.	



PROFILE	DATE
SURVEYED	BY
GRADES CHECKED	
ALIGNED	
NOTED	
STRUCTURE NOTATION	
NO.	

LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (STA. 200+50 TO 224+00)
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ③ BITUMINOUS MATERIAL (PRIME COAT)
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9.5"
- ⑤ AGGREGATE SUBGRADE, 12"
- ⑥ SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- ⑧ COMBINATION CONCRETE CURB AND GUTTER, B-6.24
- ⑨ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3"
- ⑩ 4" TOPSOIL, SEEDING CLASS 2, AND MULCH METHOD 3
- ⑪ WATER MAIN
- ⑫ STORM SEWER
- ⑬ CONCRETE MEDIAN, TYPE SB-6.12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

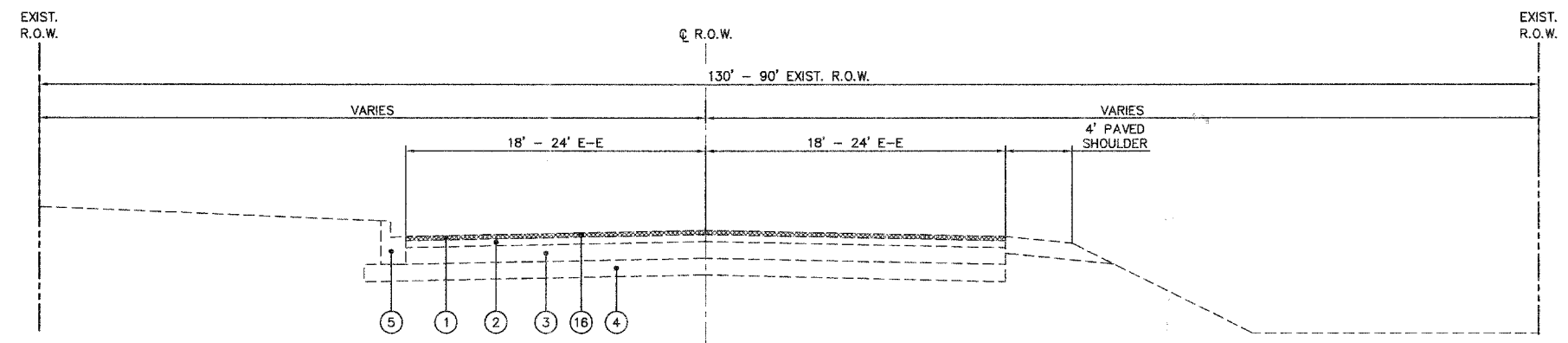
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DATE: 02/07/08

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CHECKED BY: WBR

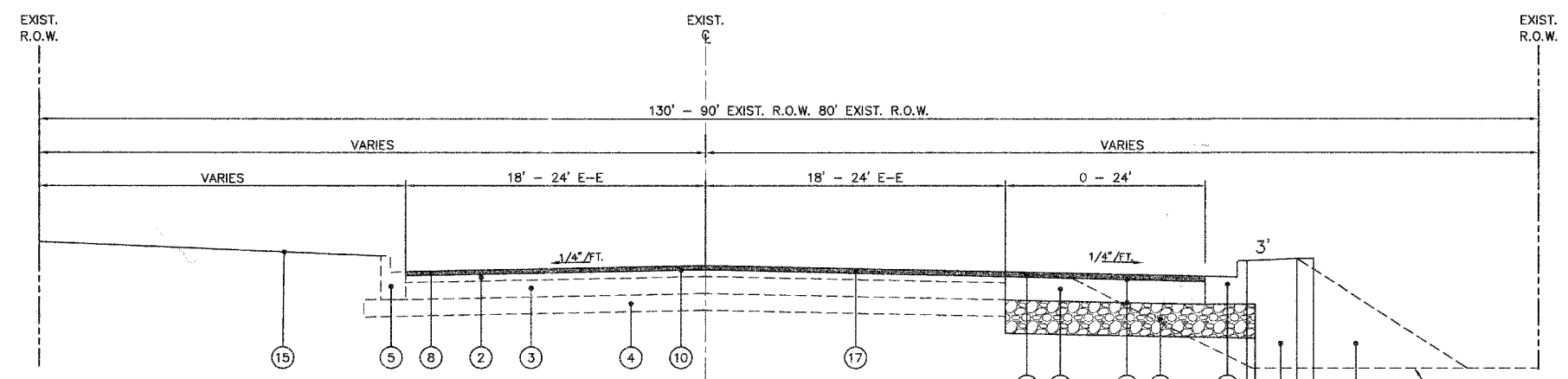


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	19
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	BY	
	NOTE BOOK NO.	
	FILE NAME	



EXISTING PAVEMENT CROSS SECTION
GALENA BOULEVARD
STATION 231+50 TO STATION 249+66



PROPOSED PAVEMENT CROSS SECTION
GALENA BOULEVARD
STATION 231+50 TO STATION 249+66

LEGEND

- | | |
|--|--|
| ① EXISTING BITUMINOUS CONCRETE SURFACE, 1.5" | ⑩ BITUMINOUS MATERIAL (PRIME COAT) |
| ② EXISTING BITUMINOUS CONCRETE BINDER, 2.5" | ⑪ AGGREGATE SUBGRADE, 12" |
| ③ EXISTING BITUMINOUS BASE COURSE, 6" | ⑫ COMBINATION CONCRETE CURB AND GUTTER, B-6.24 |
| ④ EXISTING AGGREGATE CASE COURSE, 6" | ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" |
| ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12 | ⑭ SUB-BASE GRANULAR MATERIAL, TYPE B, 8" |
| ⑥ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK | ⑮ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3 |
| ⑦ EXISTING 10" WATER MAIN | ⑯ HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| ⑧ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2" | ⑰ POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 (0 - 1.5") |
| ⑨ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 11.5" | ⑱ CONCRETE RETAINING WALL (STA. 237+10 TO 240+80) |
| | ⑲ POROUS GRANULAR EMBANKMENT (BEHIND RETAINING WALL) |

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	BY	
	NOTE BOOK NO.	
	FILE NAME	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

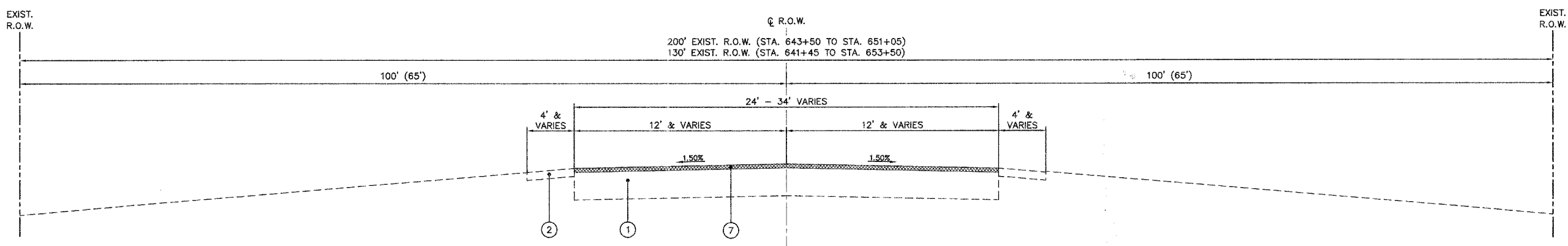
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DATE: 02/07/08

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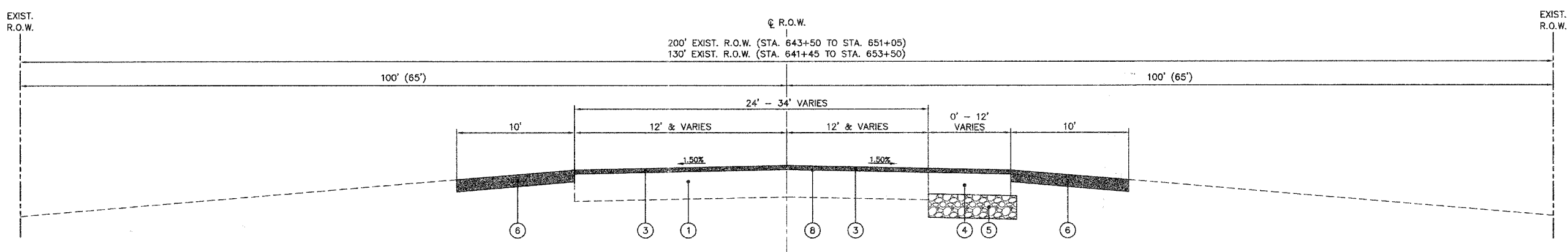


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	NOTED	
	CADD FILE NAME	



EXISTING PAVEMENT CROSS SECTION
US ROUTE 30
STATION 627+40 TO STATION 632+35



PROPOSED PAVEMENT CROSS SECTION
US ROUTE 30
STATION 627+40 TO STATION 632+35

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING AGGREGATE SHOULDER
- ③ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 11.5"
- ⑤ AGGREGATE SUBGRADE, 12"
- ⑥ HOT-MIX ASPHALT SHOULDER, 8"
- ⑦ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑧ BITUMINOUS MATERIALS (PRIME COAT)

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

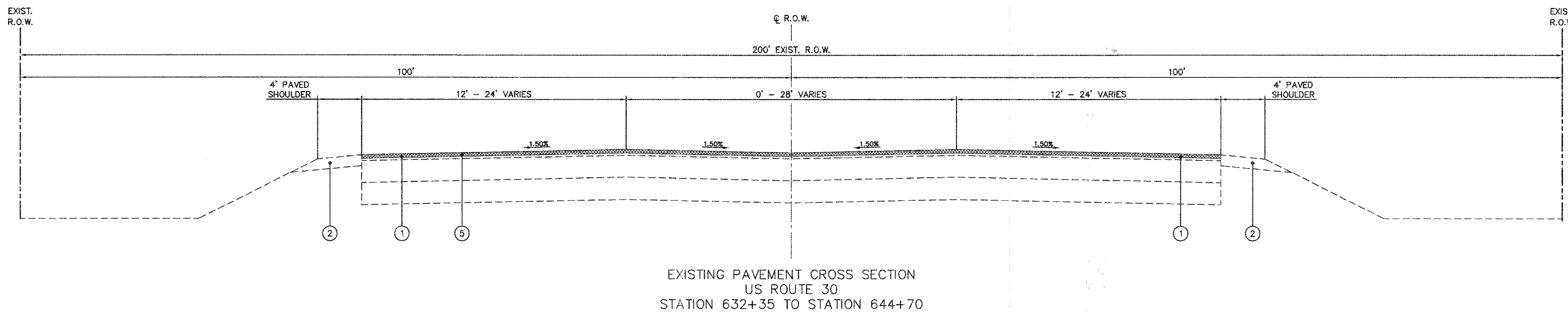
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DRAWN BY:
CHECKED BY: WBR

Engineering Enterprises, Inc.

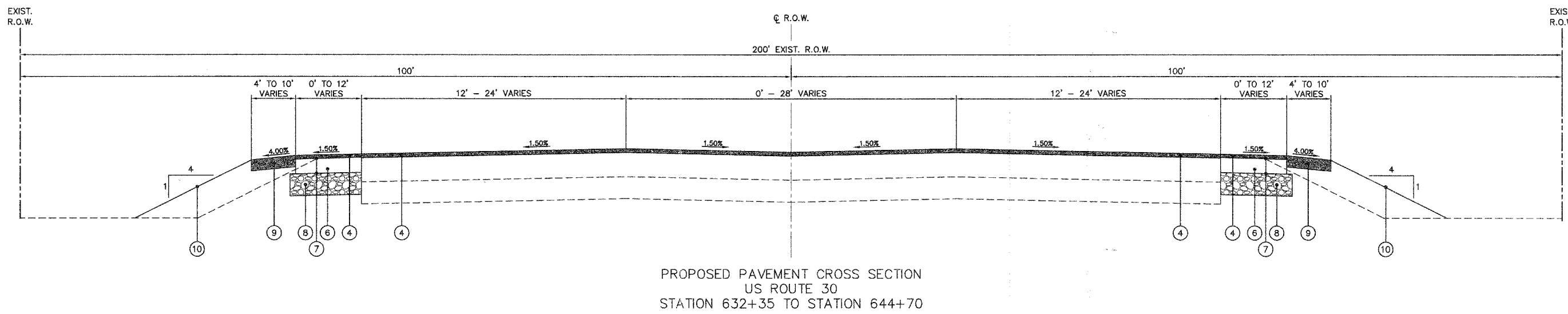
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	21
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
SURVEYED	BY
PLOTTED	
ALIGNMENT CHECKED	
AS BUILT	
NO. _____	
ADD FILE NAME	



EXISTING PAVEMENT CROSS SECTION
US ROUTE 30
STATION 632+35 TO STATION 644+70

PROFILE	DATE
SURVEYED	BY
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO. _____	



PROPOSED PAVEMENT CROSS SECTION
US ROUTE 30
STATION 632+35 TO STATION 644+70

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING ASPHALT SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 11.5"
- ⑦ BITUMINOUS MATERIALS (PRIME COAT)
- ⑧ AGGREGATE SUBGRADE, 12"
- ⑨ HOT-MIX ASPHALT SHOULDER, 8"
- ⑩ 4" TOPSOIL, SEEDING CLASS 1A, AND MULCH METHOD 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS
DATE: 02/07/08

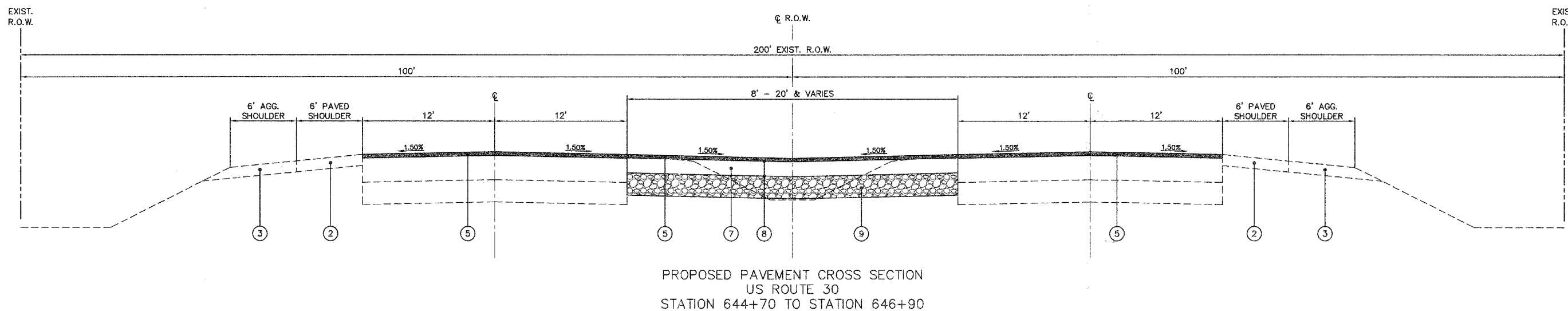
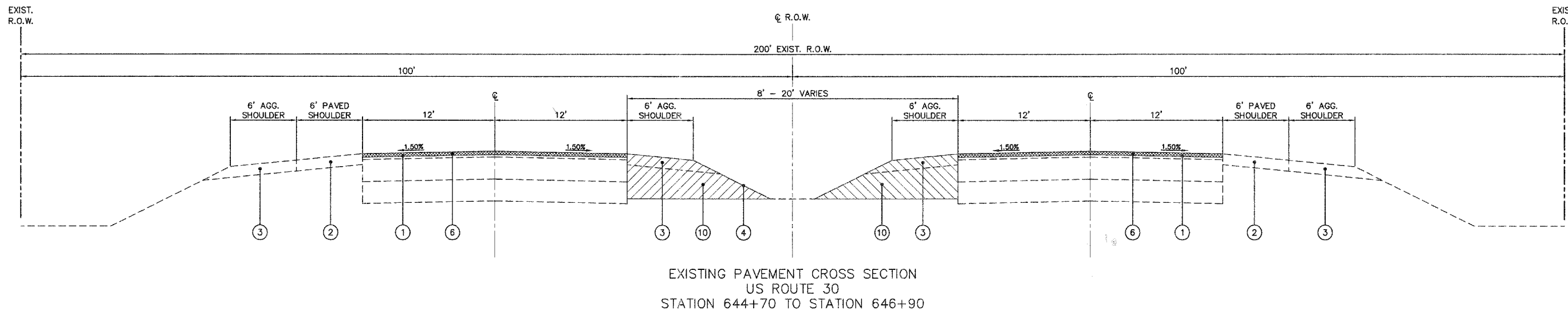
DRAWN BY:
CHECKED BY: WBR

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	22
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	
FILE NAME	

PROFILE	DATE
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	
FILE NAME	



LEGEND

- ① EXISTING BITUMINOUS PAVEMENT
- ② EXISTING ASPHALT SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING MEDIAN (TRANSITION TO A FLUSH MEDIAN AT THE INTERSECTION OF MUNICIPAL DRIVE)
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ⑥ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 11.5"
- ⑧ BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ AGGREGATE SUBGRADE, 12"
- ⑩ EARTH EXCAVATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

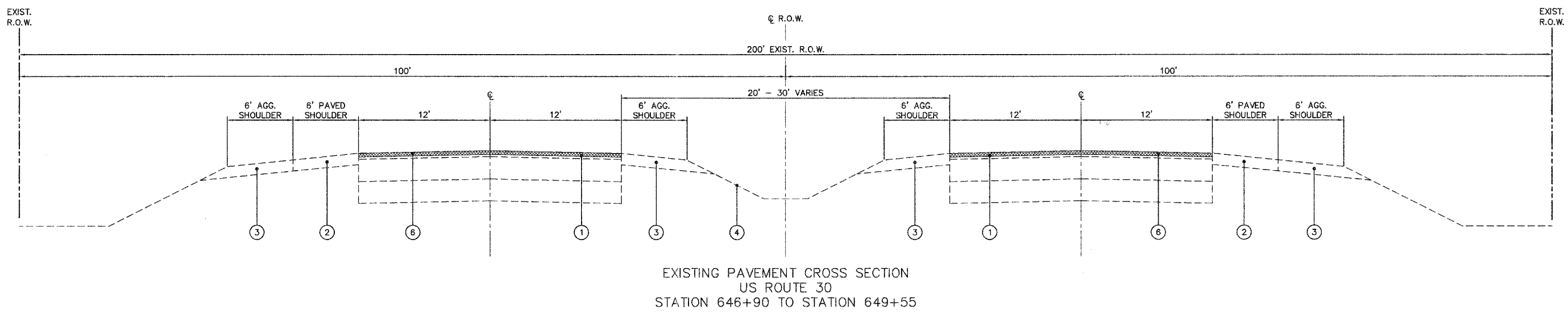
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DATE: 02/07/08

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CHECKED BY: WBR



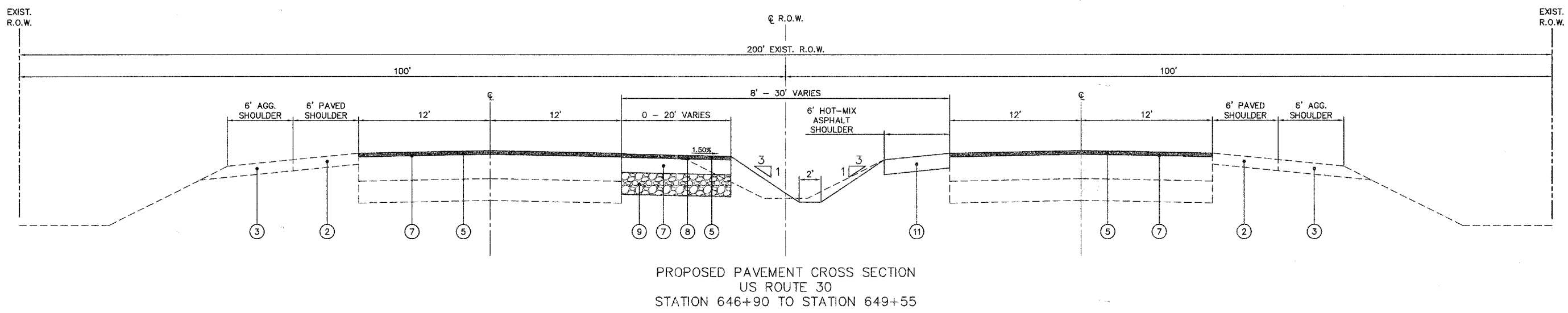
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	23
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

PLAN	SURVEY	DATE
NOTE BOOK NO.	PLOTTED	
	ALIGNMENT CHECKED	
	AS NOTED	
	CADD FILE NAME	



EXISTING PAVEMENT CROSS SECTION
US ROUTE 30
STATION 646+90 TO STATION 649+55

PROFILE	SURVEY	DATE
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATION OK'D	



PROPOSED PAVEMENT CROSS SECTION
US ROUTE 30
STATION 646+90 TO STATION 649+55

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT
- ② EXISTING ASPHALT SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING MEDIAN (TRANSITION TO A FLUSH MEDIAN AT THE INTERSECTION OF MUNICIPAL DRIVE)
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ⑥ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑦ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 11.5"
- ⑧ BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ AGGREGATE SUBGRADE, 12"
- ⑩ EARTH EXCAVATION
- ⑪ HOT-MIX ASPHALT SHOULDER, 8"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

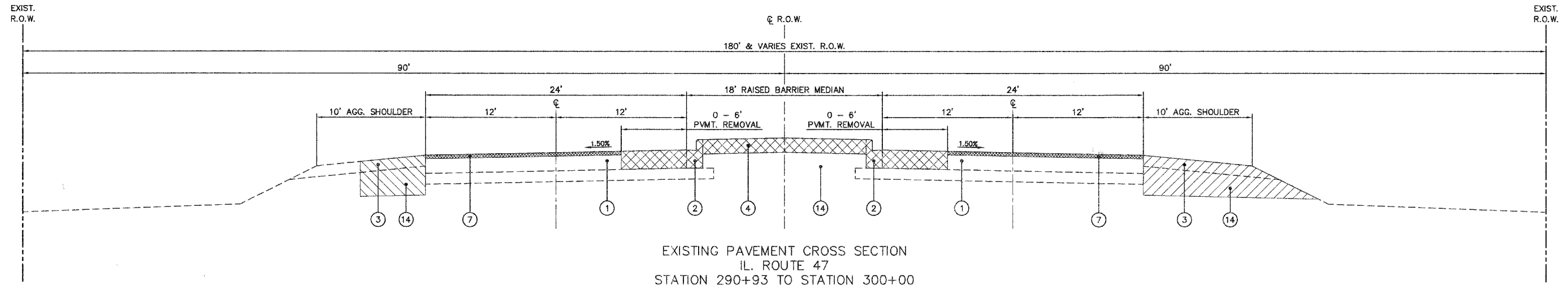
SCALE: NTS
DATE: 02/07/08

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CHECKED BY: WBR

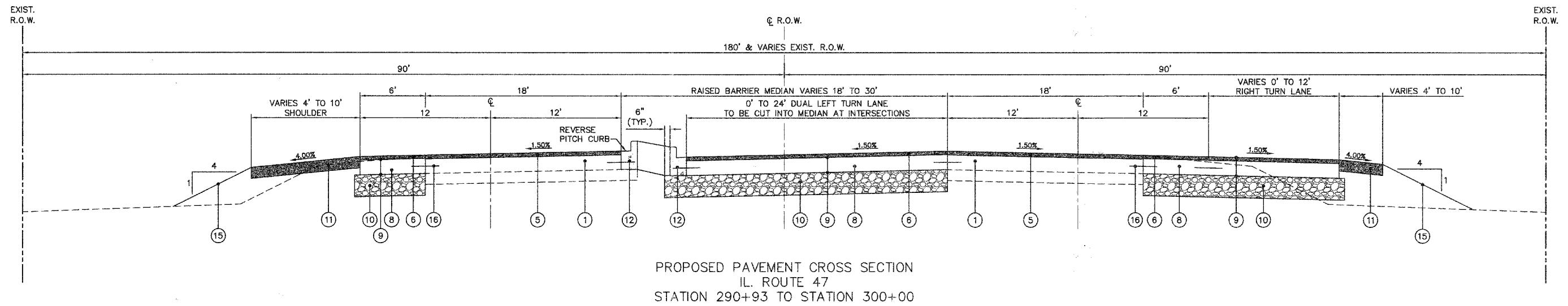


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	24
STA.		TO STA.		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

PLAN	REVISIONS	DATE
NO.	BY	
NOTE BOOK	ALIGNED	CHECKED
	STRUCTURE	NO. DATE



PROFILE	REVISIONS	DATE
NO.	BY	
NOTE BOOK	GRADES	CHECKED
	STRUCTURE	NO. DATE



LEGEND

- | | |
|---|--|
| ① EXISTING PCC PAVEMENT W/ HOT-MIX ASPHALT SURFACE | ⑨ BITUMINOUS MATERIAL (PRIME COAT) |
| ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12 | ⑩ AGGREGATE SUBGRADE, 12" |
| ③ EXISTING AGGREGATE SHOULDER | ⑪ HOT-MIX ASPHALT SHOULDER, 8" |
| ④ EXISTING MEDIAN REMOVAL | ⑫ CONCRETE MEDIAN, TYPE SB-6.12 |
| ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1.75" | ⑬ CONCRETE MEDIAN SURFACE, 4" |
| ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25" | ⑭ EARTH EXCAVATION |
| ⑦ HOT-MIX ASPHALT SURFACE REMOVAL, 2" | ⑮ 4" TOPSOIL, CLASS 1A SEEDING, AND MULCH METHOD 3 |
| ⑧ PCC BASE COURSE, 10" | ⑯ #6 TIE BAR, 30" |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

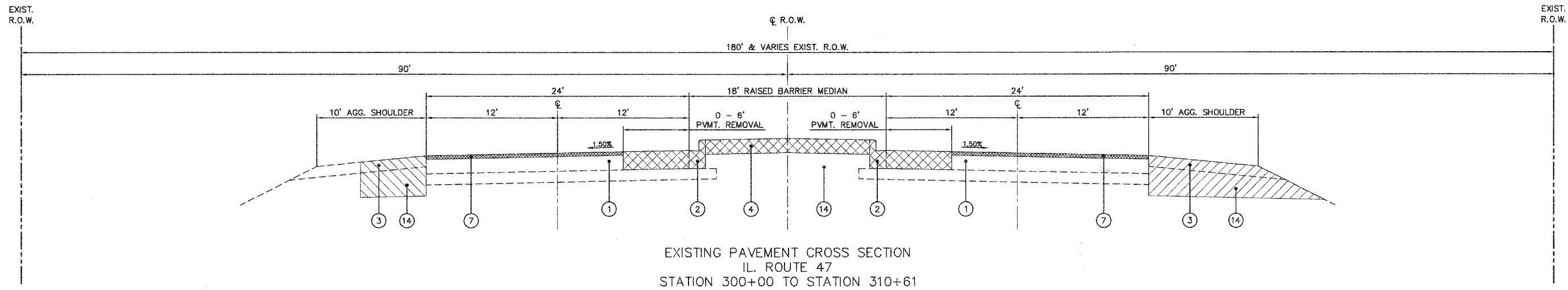
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DATE: 02/07/08

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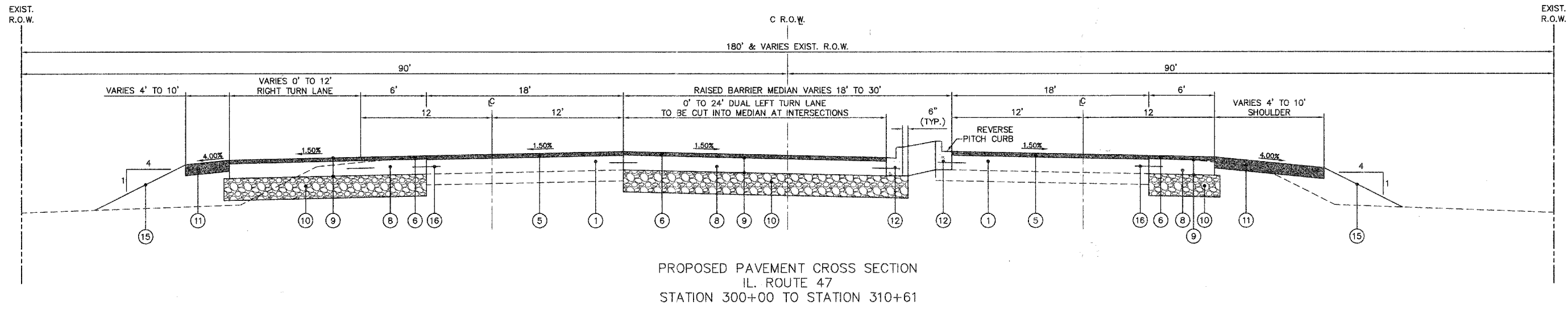
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	25
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
SURVEY	BY
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK CHECKED	
CADD FILE NAME	
NO.	



EXISTING PAVEMENT CROSS SECTION
IL. ROUTE 47
STATION 300+00 TO STATION 310+61

PROFILE	DATE
SURVEY	BY
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NO.	



PROPOSED PAVEMENT CROSS SECTION
IL. ROUTE 47
STATION 300+00 TO STATION 310+61

LEGEND

- ① EXISTING PCC PAVEMENT W/ HOT-MIX ASPHALT SURFACE
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER, B-6.12
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING MEDIAN REMOVAL
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1.75"
- ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2.25"
- ⑦ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑧ PCC BASE COURSE, 10"
- ⑨ BITUMINOUS MATERIAL (PRIME COAT)
- ⑩ AGGREGATE SUBGRADE, 12"
- ⑪ HOT-MIX ASPHALT SHOULDER, 8"
- ⑫ CONCRETE MEDIAN, TYPE SB-6.12
- ⑬ CONCRETE MEDIAN SURFACE, 4"
- ⑭ EARTH EXCAVATION
- ⑮ 4" TOPSOIL, CLASS 1A SEEDING, AND MULCH METHOD 3
- ⑯ #6 TIE BAR, 30"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. RITE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	26
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY1 12" FOOT	SSRG CL A TY1 12" FOOT	PIPE CULVERT CL A TY 1 12" FOOT	SS CL A TY1 15" FOOT	SSRG CL A TY1 15" FOOT	SS CL A TY 1 18" FOOT	SSRG CL A TY 1 18" FOOT	SS CL A TY 1 21" FOOT	SS CL A TY 1 24" FOOT	SSRG CL A TY 1 24" FOOT	PIPE CULVERT CL A TY 1 24ERS" FOOT	PIPE CULVERT CL A TY 1 36ERS" FOOT	SS CL A TY 1 36" FOOT	CLASS D PATCH TYPE 2 6" SQ YD	CLASS D PATCH TYPE 2 15" SQ YD			
100A	100	100A	18	50	0.26								50											
100B	100A	100B	12	9	0.42	3.9	9																	
100C	100A	100C	12	80	0.54	27.4	80																	
100D	100C	100D	12	10	0.83	1.9	10																	
101A	101	101A	18	65	0.55	5.8							65											
101B	101A	101B	18	47	0.49	11.1						47												
101C	101B	101C	15	28	0.81	5.9			28															
101D	101B	101D	12	62	0.46	13.8	62																	
101E	101B	101E	12	50	2.74	12.7	50																	
101F	101E	101F	12	51	0.47	1.8	51																	
102	101C	102	15	148	0.70				148															
102A	102	102A	12	5	1.25		5																	
102B	102A	102B	12	31	1.03	5.2	31																	
102C	102B	102C	12	33	1.00	9.9	33																	
103	102	103	15	135	0.72																			
103A	103	103A	12	6	0.56		6				135													
103B	103A	103B	12	41	0.81	11.1	41																	
104	103	104	12	116	0.46		116																	
104A	104	104A	12	5	1.25		5																	
104B	104A	104B	12	41	1.16	12.4	41																	
105A	105	105A	18	53	0.40						53													
106	104	106	12	154	0.49	18.9	154																	
106A	106	106A	12	30	0.44	3.9	30																	
106B	106A	106B	12	43	0.43	6.5	43																	
601	600	601	36	21	0.32															21				
602	601	602	36	264	0.19															264				
602A	602	602A	15	127	0.76	64.1					127													
603	602	603	12	143	1.05	29.2	143																	
603A	603	603A	12	31	0.57	3.0		31																
603B	603A	603B	12	65	0.44	19.6	65																	
605	604	605	24	100	0.17										100									
606	605	606	24	191	0.17										191									
607	606	EXIST	24	444	0.17	172.5										444								
701	700	701	18	72	0.31	3.6									72									
702	701	702	18	82	0.29	51.9						82												
703	702	703	18	41	0.31	5.5						41												
704A	704	704A	18	14	0.30							14												
704B	704A	704B	18	22	0.60							22												
801	602	801	24	175	0.74										175									
801A	801	801A	12	37	0.49	8.8																		
801B	801A	801B	12	63	0.45	19.7	63	37																
SUBTOTAL							530.1	1038.0	68.0	0.0	176.0	262.0	259.0	187.0	0.0	466.0	444.0	0.0	0.0	285.0	0.0	0.0		

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Plotted: May 27, 2008 @ 2:51 PM By: Kris Pung - Tab: 26 SCH-1 (22x34)

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE

SCALE: NTS
DATE: 02/07/08

DRAWN BY: _____
CHECKED BY: WBR

 Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	06-00017-00-PV	KANE	232	27
	STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 1 12" FOOT	SSRG CLA TY 1 12" FOOT	PIPE CULVERT CL A TY 1 12" FOOT	SS CL A TY 1 15" FOOT	SSRG CLA TY 1 15" FOOT	SS CL A TY 1 18" FOOT	SSRG CLA TY 1 18" FOOT	SS CL A TY 1 21" FOOT	SS CL A TY 1 24" FOOT	SSRG CLA TY 1 24" FOOT	PIPE CULVERT CL A TY 1 24ERS" FOOT	PIPE CULVERT CL A TY 1 36ERS" FOOT	SS CL A TY 1 36" FOOT	CLASS D PATCH TYPE 2 6" SQ YD	CLASS D PATCH TYPE 2 15" SQ YD
802	801	802	24	151	0.68										151						
803	802	803	24	24	0.71	5.4										24					
803A	803	803A	15	8	1.25					8											
803B	803A	803B	12	11	4.29	1.8	11														
803C	803A	803C	12	13	3.75	2.1	13														
803D	803A	803D	15	70	0.68	13.2				70											
803E	803D	803E	12	12	1.33	1.7	12														
803F	803D	803F	15	25	0.52	2.5				25											
804	803	804	21	131	0.59								131								
804A	804	804A	18	9	0.77							9									
804B	804E	804B	12	9	2.92	6.7	9														
804C	804A	804C	18	84	0.52	13.5						84									
804D	804C	804D	18	19	0.68	2.9						19									
804E	804	804E	18	56	0.67							56									
805	804E	805	18	94	0.62							94									
805A	805	805A	12	8	0.83		8														
805B	805A	805B	12	58	0.49	13.1	58														
805C	805B	805C	12	31	0.45	6.0	31														
806	805	806	15	108	0.36					108											
806A	806	806A	12	8	1.25		8														
806B	806A	806B	12	27	0.50	5.5	27														
806C	806A	806C	12	58	1.23	13.7	58														
806D	806C	806D	12	34	0.42	6.2	34														
1100A	1100	1100A	12	36	0.51	2.5	36														
1101A	1101	1101A	15	36	0.60	2.0				36											
1101B	1101A	1101B	12	36	0.51	0.5	36														
1102A	1102	1102A	12	31	0.59	6.5	31														
1103A	1103	1103A	12	70	1.04	13.4	70														
1103B	1103A	EXIST	12	40	0.45	5.5	40														
1104A	EXIST	1104A	12	36	0.47	5.0	36														
1105A	EXIST	1105A	12	9	1.09	1.9	9														
1106	1106	EXIST	24ERS	24	0.67	4.0											24				
1106A	EXIST	1106A	24ERS	48	0.69	4.1											48				
1107	1107	EXIST	24ERS	24	0.67	3.8											24				
1107A	EXIST	1107A	24ERS	48	0.69	3.9											48				
1109	1109	EXIST	36ERS	16	1.00													16			
1109A	EXIST	1109A	36ERS	8	0.25													8			
1111	EXIST	1111	12	40	1.72					40											
1200A	1200	1200A	24	22	0.33	1.6									22						
1201A	1201	1201A	12	9	1.25		9														
1202A	1202	1202A	12	35	0.50	3.3	35														
1203A	1203	1203A	12	4	1.09		4														
SUBTOTAL						152.3	575.0	0.0	40.0	247.0	0.0	262.0	0.0	131.0	173.0	24.0	144.0	24.0	0.0	0.0	0.0

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<h1>DRAINAGE SCHEDULE</h1> <p>SCALE: NTS DRAWN BY:</p> <p>DATE: 02/07/08 CHECKED BY: WBR</p>	

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	06-00017-00-PV	KANE	232	28
	STA. TO STA.		ILLINOIS FED. AID PROJECT		

PLAN	DESIGNED	DATE
	PLOTTED	
	ALIGNED / CHECKED	
	NO. _____	

PROFILE	DESIGNED	DATE
	PLOTTED	
	BRANDED / CHECKED	
	NO. _____	

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 1 12" FOOT	SSRG CL A TY 1 12" FOOT	PIPE CULVERT CL A TY 1 12" FOOT	SS CL A TY 1 15" FOOT	SSRG CL A TY 1 15" FOOT	SS CL A TY 1 18" FOOT	SSRG CL A TY 1 18" FOOT	SS CL A TY 1 21" FOOT	SS CL A TY 1 24" FOOT	SSRG CL A TY 1 24" FOOT	PIPE CULVERT CL A TY 1 24ERS" FOOT	PIPE CULVERT CL A TY 1 36ERS" FOOT	SS CL A TY 1 36" FOOT	CLASS D PATCH TYPE 2 6" SQ YD	CLASS D PATCH TYPE 2 15" SQ YD	
1204A	1204	1204A	12	4	1.18		4															
1205A	1205	1205A	12	3	0.70		3															
1206A	1206	1206A	12	2	1.11		2															
1207	EXIST	1207	24	5	1.00	1.9	5															
1208	1207	1208	12	120	0.44	41.0	120															
1208A	1208	1208A	12	2	0.56		2															
1209	1208	1209	12	12	0.67	3.5	12															
1210	1207	1210	15	130	0.34	30.2				130												
1211	1210	1211	12	122	0.44	26.9	122															
1212	1211	1212	12	123	0.96	33.4	123															
1213A	1213	1213A	12	1	1.25		1															
1215	1214	1215	12	76	0.44		76															
1216	1215	1216	12	33	0.44	5.7	33														20	
1217	1216	1217	12	122	0.44		122															
1218	1217	1218	12	29	0.44	5.0	29														20	
1219	1218	1219	12	80	0.33		80															
1220	1219	1220	12	21	0.33	3.6	21														12	
1300A	1300	1300A	12	58	0.46	18.6	58															16
1301A	1301	1301A	12	70	0.52	18.1	70															24
1302A	1302	1302A	12	56	0.57	11.3	56															16
1303	1303A	1303	12	15	0.80		15															
						SUBTOTAL	199	954	0	0	130	0	0	0	0	0	0	0	0	0	52	56
						TOTAL	882	2567	68	40	553	262	521	187	131	639	468	144	24	285	52	56

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SCALE: NTS		DRAWN BY:
DATE: 02/07/08		

DRAINAGE SCHEDULE



F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	29
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET				CB				MH				REM & REL FES	PRC FES 12"	PRC FES 18"	PRC FES 24"	PRC FES 36"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV						
				TY A 11V F&G	TY B 11V F&G	TY A 24 F&G	TY B 24 F&G	A 4' DIA	TY A 4' DIA	TY C 2' DIA	TY C 2' DIA	A 4' DIA	TY A 4' DIA	TY A 4' DIA	TY A 4' DIA						TY A 5' DIA	TY A 6' DIA	LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S		E	W				
100	5411.8	105.4	LT																		12	6	8			701.70					N/A			
100A	5411.8	47.5	LT							1																	701.85	701.85	701.85		706.06			
100B	5399.3	47.5	LT			1																				701.90					705.91			
100C	5411.8	35.5	RT				1																				702.30		702.30		706.12			
100D	5399.3	35.5	RT			1																				702.40					706.13			
101	5480.1	95.0	LT																											NE 701.70	N/A			
101A	5530.0	46.6	LT							1																		702.10		SW 702.10	707.82			
101B	5530.0	4.5	RT																								702.35	702.35	702.35	702.35	706.88			
101C	5530.0	35.5	RT				1																						702.60	NE 702.60	706.63			
101D	5465.1	4.5	RT	1																							702.65				706.75			
101E	5583.6	4.5	RT		1																						703.80	703.80			707.28			
101F	5636.8	4.3	RT	1																							704.05				707.61			
102	5689.6	44.0	RT									1															703.65	703.65			708.35			
102A	5689.6	35.5	RT																										703.75	703.75	707.75			
102B	5689.6	1.2	RT			1																						704.10		704.10		708.35		
102C	5724.4	0.9	LT	1																								704.45				708.50		
103	5837.7	44.0	RT										1															704.65	704.65		704.65	708.95		
103A	5837.7	35.5	RT																										704.70	704.70		708.16		
103B	5837.8	7.5	LT	1																									705.05			708.40		
104	5965.0	44.0	RT											1														705.20	705.20		705.20	709.35		
104A	5965.0	35.5	RT																										705.25	705.25		708.80		
104B	5965.0	7.5	LT	1																									705.65			709.04		
105	5469.8	177.5	LT																												NW 701.70	N/A		
105A	5518.0	205.2	LT																												SE 701.90	N/A		
106	6129.9	44.0	RT											1														705.90		705.90		710.55		
106A	6129.9	9.0	RT																											706.05	706.05		710.55	
106B	6130.1	33.0	LT				1																							706.25			710.30	
600	22167.8	369.1	RT																												NW 700.70			
601	22156.5	339.9	RT																												SE 700.80	710.00		
602	22157.8	70.8	RT																													710.85		
602A	22157.8	61.2	LT																													710.85		
603	22010.0	70.6	RT																													711.50		
603A	22010.0	35.5	RT																													710.80		
603B	22010.0	35.5	LT			1																										710.80		
604	22570.2	372.5	RT																												NE 700.43	N/A		
605	22670.9	334.5	RT																												700.24	709.50		
606	22603.1	152.9	RT																												SE 699.91	709.50		
700	5357.0	103.2	LT																												SE 701.70	N/A		
701	5300.0	47.5	LT																												701.95	NW 701.95	706.66	
702	5300.0	37.8	RT				1																								702.20	702.20	706.80	
703	5310.0	82.3	RT																													702.35	N/A	
704	5300.0	250.1	LT																														N/A	
704A	5330.0	250.8	LT																														707.50	
704B	5353.2	251.2	LT																														N/A	
801	22340.0	71.0	RT																													704.70	710.05	
801A	22340.0	30.2	RT																													704.90	709.20	
SUBTOTALS																																		
				5	2	4	6	1	5	0	0	6	1	1	0	4	1	0	2	5	1	1												

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<h2>STRUCTURE SCHEDULE</h2> <p>SCALE: NTS DATE: 02/07/08</p> <p>DRAWN BY: CHECKED BY: WBR</p>	

PLAN	DATE
BY	
REVISIONS	
NOTES	
NO.	

PROFILE	DATE
BY	
REVISIONS	
NOTES	
NO.	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	30
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET	INLET	INLET	INLET	CB TY	CB	CB	CB	MH TY	MH	MH	MH	MH	MH	MH	REM & REL	PRC FES	PRC FES	PRC FES	PRC FES	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV	
				TY A	TY B	TY A	TY B	A 4'	TY A	TY C	TY C	A 4'	TY A	4' DIA	TY A	4' DIA	TY A	4' DIA						TY A	5'	6'	LENGTH	WIDTH	AREA	N		S
				F&G	F&G	F&G	F&G	TY 11	TY 24	11V	TY 24	FR&CL	TY 8	TY 11V	TY 24	FR&CL	FR&CL						FOOT	FOOT	SQ. YD.							
801B	22340.0	36.3	LT			1																									709.20	
802	22495.0	71.0	RT													1															709.35	
803	22494.9	42.5	RT										1																		708.80	
803A	22494.9	30.4	RT													1															708.50	
803B	22480.0	29.6	RT			1																									708.55	
803C	22510.1	31.2	RT			1																									708.55	
803D	22494.9	43.4	LT																												708.60	
803E	22479.9	43.0	LT			1																									708.65	
803F	22494.9	52.4	LT																												709.35	
804	22630.0	50.5	RT													1															709.30	
804A	22630.0	37.8	RT													1															709.05	
804B	22690.0	38.5	RT																												709.50	
804C	22630.0	50.5	LT																												709.30	
804D	22630.0	71.5	LT																												709.35	
804E	22690.0	50.5	RT																												709.75	
805	22787.8	50.5	RT																												709.75	
805A	22787.8	38.5	RT																												709.50	
805B	22787.8	25.0	LT			1																									709.90	
805C	22787.8	56.5	LT																												709.75	
806	22900.0	50.5	RT																												711.30	
806A	22900.0	38.5	RT																												711.05	
806B	22930.0	38.5	RT																												711.25	
806C	22900.0	25.5	LT			1																									711.85	
806D	22900.0	58.9	LT																												711.25	
1100	4528.6	30.0	LT																												701.15	
1100A	4568.2	29.4	LT																												701.30	
1101	4529.3	34.9	RT																												701.68	
1101A	4529.6	76.6	RT																												N/A	
1101B	4568.2	36.2	RT																												701.56	
1102	4759.1	59.1	RT																												702.19	
1102A	4725.6	50.5	RT																												702.13	
1103	4915.6	52.1	RT																												703.22	
1103A	4988.4	51.1	RT			1																									704.42	
1104A	5097.2	49.1	RT																												705.60	
1105A	5095.7	38.0	LT																												705.86	
1106	5124.5	82.9	LT																												N/A	
1106A	5122.1	89.6	RT																												N/A	
1107	5128.8	83.0	LT																												N/A	
1107A	5126.7	90.0	RT																												N/A	
1109	5113.1	250.9	LT																												N/A	
1109A	5267.3	246.9	LT																												N/A	
1111	64850.0	3.0	RT																												N/A	
1200	23147.4	65.9	RT																												N/A	
1200A	23135.4	38.1	RT																												N/A	
1201	23223.2	43.4	RT																												N/A	
1201A	23224.3	29.8	RT																												N/A	
1202	23315.3	35.9	RT																												N/A	
SUBTOTALS						0	3	7	1	1	4	6	1	6	2	3	1	1	0	7	3	0	1	0								

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<p style="text-align: center; font-size: 24px;">STRUCTURE SCHEDULE</p> <p>SCALE: NTS DATE: 02/07/08</p> <p>DRAWN BY: CHECKED BY: WBR</p>	

PLAN	DATE
BY	
CHECKED	
DATE	
NO.	

PROFILE	DATE
BY	
CHECKED	
DATE	
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	31
STA.			TO STA.	
FED. ROAD DIST. NO. _			ILLNOIS	FED. AID PROJECT

PLAN		DATE	
DATE	BY	DATE	BY

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PROFILE		DATE	
DATE	BY	DATE	BY

SURVEYED
 PLOTTED
 CHECKED
 REVISIONS
 DATE
 STRUCTURE NOTATIONS OK'D
 NO.

STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET				CB				MH				REM & REL	PRC FES 12"	PRC FES 18"	PRC FES 24"	PRC FES 36"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV						
				TY A F&G	TY B F&G	TY A F&G	TY B F&G	A 4' DIA F&G	TY A 4' DIA F&G	2' DIA F&G	TY C 2' DIA F&G	A 4' DIA FR&CL	TY A 4' DIA FR&CL	11V F&G	TY 8 11V F&G						4' DIA F&G	TY A 4' DIA FR&CL	5' DIA F&G	A 6' DIA F&G	FR&CL	FR&CL	LENGTH FOOT		WIDTH FOOT	AREA SQ. YD.	N	S	E	W
1202A	23315.3	4.5	LT																													711.45		
1203	23349.5	35.7	RT							1																				708.08	708.20		N/A	
1203A	23349.5	24.4	RT																											708.20		710.90		
1204	23467.0	30.6	RT																											708.27		N/A		
1204A	23467.0	20.0	RT																											708.40		710.80		
1205	23500.0	28.8	RT																											708.33		N/A		
1205A	23500.0	18.7	RT																											708.40		710.70		
1206	23591.0	24.8	RT																											708.50		N/A		
1206A	23591.0	15.3	RT																											708.60		710.65		
1207	23823.8	8.0	RT							1																			707.50	707.50	707.50	710.95		
1208	23700.0	20.4	RT							1																				708.05	708.05	708.05	710.55	
1208A	23700.0	11.2	RT																											708.10		N/A		
1209	23685.1	11.7	RT																											708.15		710.55		
1210	23957.7	7.5	RT																											707.95	707.95	712.30		
1211	24032.7	7.5	RT																											708.50	708.50	712.65		
1212	24207.7	7.5	RT																											709.70		713.75		
1213	24900.0	1.5	RT																											710.65		713.00		
1213A	24900.0	5.1	LT																											710.55		N/A		
1214	23818.9	64.3	LT																												707.00		N/A	
1215	23740.8	64.3	LT	1																											707.34	707.34	710.02	
1216	23704.1	64.3	LT	1																											707.49	707.49	710.22	
1217	23581.4	64.3	LT	1																											708.04	708.04	710.32	
1218	23548.6	64.3	LT	1																											708.17	708.17	710.22	
1219	23466.9	64.3	LT	1																											708.45	708.45	710.52	
1220	23444.1	64.3	LT	1																											708.52	708.52	710.47	
1300	29877.4	69.2	LT																												NE 708.1		N/A	
1300A	29899.1	10.5	LT																												SW 708.4		714.65	
1301	30278.5	66.9	LT																												707.50		N/A	
1301A	30278.5	10.5	RT																												707.90		713.25	
1302	30611.1	64.3	LT																												706.99		N/A	
1302A	30611.1	1.5	LT																												707.35		712.25	
1303	30232.5	44.5	RT																												708.35		712.32	
1303A	30233.2	66.0	RT																												708.24		N/A	
SUBTOTALS				6	0	2	1	0	2	5	5	0	0	0	1	0	0	0	0	0	11	0	0	0							8			
TOTAL				11	5	13	8	2	11	11	6	12	3	4	2	5	1	7	16	5	2	1										124		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<h1>STRUCTURE SCHEDULE</h1>	
SCALE: NTS		DRAWN BY:	
DATE: 02/07/08		CHECKED BY: WBR	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	32
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PAVEMENT QUANTITIES SCHEDULE

STATION	STATION	L FT	PAVT W FT	SHLD W FT	PAVT A SY	SHLD A SY	MEDIAN REM SY	PAVED SHOULDER REM SY	PAVEMENT REM SY	SUB-BASE GRAN MATL. TY. B 8"	AGG. SUBGRADE 12"	COMB CC&G TY B-6.12	COMB CC&G TY B-6.24	CONC MED SURF 4"	CONC MED TY SB 6.12	BIT. MATL. PR. CT	HMA POLY. LEVEL BIND (MM), IL-4.75, N50	HMA BIND CSE IL-19.0, N70	HMA BIND. CSE IL-19.0, N90	HMA SURF REM. 2"	HMA SURF REM. 3/4"	HMA SURF REM BUTT JOINT	HMA SURF CSE, MIX D, N 50, 2"	INCLD BIT SURF	HMA SURF CSE, MIX D, N70	HMA POLYMER SURF CSE, MIX F, N90	HMA SHLD 8"	PCC BASE COURSE, 10"
MUNICIPAL DRIVE																												
SOUTH OF US 30 (WIDENING AREA)																												
4490.00	4680.26	190.26	24		507						561.9	190.3				190												56.8
4680.26	4752.68	72.42	30		241						262.2	72.4				91												27.0
4752.68	5150.00	397.32	36		1589						1717.5	447.3				596												178.0
4941.62	5141.64				150						207.3	200.0				56												16.8
ENTRANCES																												
					180					180.0						68								20.2				
SOUTH OF US 30 (RESURFACING AREA ONLY)																												
4490.00	5150.00	660.00	36		2640											211	166.3			2640.0								221.8
NB																												
US 30 TO 53+00 INTERSECTION																												
5300.00	5640.00	340	24		906.6667						849.0	202.0		114.0	284													84.7
5640.00	5830.00	190.00	30		633						1268.6	340.0		2040.0	340													101.5
5830.00	5850.00	20.00	36		80						835.6	190.0		1140.0	238													70.9
5850.00	6020.00	170.00	36		680						101.3	20.0		120.0	30													9.0
6020.00	6100.00	80.00	24		213						861.0	170.0		1020.0	255		342.7											
6100.00	6200.00	100.00	36		400						1266.1	250.0			438		588.0											130.7
6200.00	6290.00	90.00	36		360						306.4	100.0		600.0	150		201.6											29.9
6290.00	6480.00	190.00	30		633										51													209.1
6480.00	6900.00	420.00	24		1120										90													29.9
6900.00	7000.00	100.00	42		467										37													29.9
7000.00	7185.00	185.00	36		740										59													199.3
7185.00	7385.01	200.01	30		667										53													48.8
7385.01	7667.40	282.39	24		753										60													20.7
7667.40	7830.73	163.33	42		762										61													
7830.73	7900.00	69.27	36		277										22													
ENTRANCES																												
					450						450.0														50.4			
ENTRANCES (SURFACE ONLY)																												
					450																				50.4			
GALENA BOULEVARD																												
EB																												
MUNICIPAL TO 20140.92																												
20140.92	20414.99	274.07	24		731											94												131.9
20414.99	20615.00	200.01	30		667										58													81.9
20615.00	20800.00	185.00	36		740										53													74.7
20800.00	20900.00	100.00	42		467										59													82.9
20900.00	21648.67	748.67	24		1996										37													52.3
21648.67	21848.67	200.00	30		667										160													223.6
21848.67	21950.00	101.33	36		405										53													74.7
21950.00	22033.67	83.67	36		335										32													45.4
22033.67	22400.00	366.33	42		1710						423.7	83.7		502.0	126		178.0											37.5
22400.00	22450.00	50.00	42		233						1855.3	366.3			641		909.5											191.5
22450.00	22500.00	100.00	42		467						253.2	50.0			88							124.1						26.1
											506.4	100.0			175							248.3						52.3
WB																												
20098.00	20900.00	802.00	24		2139											171												239.5
20900.00	21085.00	185.00	36		740										59													82.9
21085.00	21285.00	200.00	30		667										53													74.7
21285.00	21950.00	665.00	24		1773										142													198.6
21950.00	22400.00	450.00	24		1200										96		638.4											134.4
22400.00	22500.00	100.00	24		267						306.4	100.0			100			141.9										29.9

PLAN

DATE	BY

REVISIONS

NO.	DESCRIPTION	DATE

PROFILE

DATE	BY

REVISIONS

NO.	DESCRIPTION	DATE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	<p style="text-align:center">PAVEMENT QUANTITIES SCHEDULE</p> <p>SCALE: NTS DRAWN BY: DATE: 02/07/08 CHECKED BY: WBR</p>	

Printed: May 27, 2008 @ 3:07 PM By: Kris Pung - Job: 32 S01-7 (23x34)

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	33
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	CHECKED	
	BY	
NO.	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	CHECKED	
	BY	
NO.	DATE	

PAVEMENT QUANTITIES SCHEDULE

STATION	STATION	L FT	PAVT W FT	SHLD W FT	PAVT A SY	SHLD A SY	MEDIAN REM SY	PAVED SHOULD ER REM SY	PAVEME NT REM SY	SUB-BASE GRAN MATL, TY B 8"	AGG. SUBGRA DE 12" SY	COMB CC&G TY B-6.12 FT	COMB CC&G TY B-6.24 FT	CONC MED SURF 4" SF	CONC MED TY SB 6.12 SQ FT	BIT. MATL. PR. CT GAL	HMA POLY. LEVEL BIND (MM), IL- 4.75, N50 TON	HMA BIND CSE IL- 19.0, N70 TON	HMA BIND. CSE IL- 19.0, N90 TON	HMA SURF REM, 2" SY	HMA SURF REM, 1 3/4" SY	HMA SURF REM BUTT JOINT SY	HMA SURF CSE, MIX D, N 50, 2" TON	INCID BIT SURF TON	HMA SURF CSE, MIX D, N70 TON	HMA POLYME R SURF CSE, MIX F, N90 TON	HMA SHLD 8" SY	PCC BASE COURSE, 10" SY								
GALENA BOULEVARD																																				
EB & WB COMBINED																																				
22500.00	22800.00	300.00		57		1900						2138.7		600.0																						
22800.00	23000.00	200.00		48		1067						1359.1		400.0		1200.0																				
ENTRANCES																																				
ENTRANCES (SURFACE ONLY)																																				
INTERSECTION WITH IL 47																																				
EAST OF IL 47 (WIDENING)																																				
23150	23210.00	60.00		32		213						237.2		60.0		360.0																				
23210.00	23270.00	60.00		24		160						183.9		60.0		360.0																				
23270.00	23900.00	630.00		18		1260						1510.6		630.0	570.0	240.0																				
23900.00	24365.00	465.00		12		620						805.0		465.0	960.0																					
24365.00	24965.00	600.00		6		400						638.7		600.0																						
EAST OF IL 47 (RESURFACING)																																				
23150	23310.00	160.00		48		853																														
23310.00	23460.00	150.00		48		800																														
23460.00	23750.00	290.00		48		1547																														
23750.00	24030.00	280.00		42		1307																														
24030.00	24965.00	935.00		36		3740																														
ENTRANCES																																				
US 30																																				
WIDENING AREA																																				
62750.00	63500.00	750.00				617	1691					340.0					659.0																			
63500.00	64150.00	650.00				1016	1208					600.0	80.0				1052.0																			
64150.00	64960.00	840.00				2361	460					442.0	14.0				2423.0																			
RESURFACING AREA																																				
62750.00	63500.00	750.00				2183																														
63500.00	64150.00	650.00				3871																														
64150.00	64960.00	840.00				7684																														
ENTRANCES																																				
IL 47																																				
WIDENING AREA																																				
29093	29750	657.00				1396	1292	1356.0				519.0					1674.7	1206.0																		
29750	30400	650.00				3596	362	660.0				316.0					3732.8	592.0																		
30400	31061	661.00				872	799	642.0	711.0			248.0					1107.7	1020.0																		
RESURFACING AREA																																				
NB																																				
29093	30880					5536																														
SB																																				
31061	29093					5266																														
ENTRANCES																																				
BIKE PATH																																				
MUNICIPAL DRIVE																																				
4400	4860	380.00				422						464.4																								
6090	6200	110.00				122						134.4																								
GALENA BLVD																																				
21950	22060	110.00				122						134.4																								
		TOTALS										2658	2581	1285	913	34661	3728	5819	17929	11044	13579	166	3329	11410	24625	3733	1034	75	338	2493	7146	5812	5864			

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	PAVEMENT QUANTITIES SCHEDULE SCALE: NTS DATE: 02/07/08 DRAWN BY: CHECKED BY: WBR	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

	THERMOPLASTIC PAVEMENT MARKINGS										PAVEMENT MARKING TAPE TYPE 1		TEMPORARY PAVEMENT MARKINGS					PAVEMENT MARKING REMOVAL	WORKZONE PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING	RAISED REFLECTIVE PAVEMENT MARKERS
	4"			6"		12"		24"	LETTERS & SYMBOLS	4"	12"	4"	6"	12"	24"	LETTERS & SYMBOLS	SQ FT				
	SKIP DASH WHITE LF	YELLOW LF	WHITE LF	DOTTED WHITE LF	LANE LINE WHITE	DIAGONAL YELLOW LF	DIAGONAL WHITE LF	STOP BAR WHITE LF	ARROW & ONLY WHITE SQ FT	YELLOW LF	DIAGONAL YELLOW LF	LF	LF	LF	LF	SQ FT	SQ FT	SQ FT	LF	EACH	
MUNICIPAL DRIVE																					
45+00	51+25	280	2285		124	665	71		50	182.0			2565	789	71	50	182.0				
51+25	57+50	400			100	590		50		145.6											
57+50	64+00	480			142	370				72.8											
64+00	70+00	320			44																
70+00	76+85	340			50	185		28		72.8	365	140									
76+85	79+00	40																			
GALENA BOULEVARD																					
200+47	207+00	230			50	85		41		72.8	385	180									
207+00	214+50	380			50	285				36.4											
214+50	222+00	380	280		50	250	10			36.4											
222+00	229+50	380	2320		214	768	205			145.6											
229+50	235+50	160	920	440		1023	60	115		355.8			1520	1023	60	115	355.8			41	
235+50	241+00	140	1464	210	166	330	24			72.8			1814	496	24	0	72.8			33	
241+00	245+50	110	400	435		350	105			36.4			945	350	105	0	36.4			17	
245+50	250+00		800	400			225						1200	0	225	0	0.0			24	
ROUTE 30																					
627+39	635+00	40	2120	1520			45						3680	0	45	0	0.0			38	
635+00	642+15	320	2800	1480	114	1010	202	136	58	145.6			4600	1124	338	58	145.6			67	
642+15	649+90	320	2580	1350	72	1205	70	184	58	145.6			4250	1277	254	58	145.6			66	
STAGE 1B													2060	250			84.3	920			
STAGE 2													5200					810			
STAGE 3																			607	2940	
ROUTE 47																					
290+10	299+50	460		1820	186	694		60		218.4			2280	880	0	60	218.4			30	
299+50	306+00	260		1080	76	890		34	60	254.8			1340	966	34	60	254.8			25	
306+00	310+60	200		560	88	365		75					760	453	75	0	0.0			16	
STAGE 1A													1300								
STAGE 2													1450	1690			68.7				
STAGE 3													4300	215	58		141.5				
STAGE 4A																			133	1200	
STAGE 4B																			120	1080	
SUBTOTALS		5240	15969	9295	1526	9065	1017	429	520												
TOTAL		30504			10591		1446		520	1993.8	750	320	39264	9513	1289	401	1705.9	1730	860	5220	357

PLAN	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION PAVEMENT MARKING SCHEDULE SCALE: NTS DATE: 02/07/08 DRAWN BY: CHECKED BY: WBR
NAME	DATE	



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	35
STA.			TO STA.	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SIGN SCHEDULE

LOCATION	R3-5R-2430		M1-4-24		R1-1-30		M6-4-2115		R3-5L-2430		R4-7-2430		R2-1-2430		W9-3L(FO)-48		R3-8-30		W8-3-30		W16-2-2418		W3-1-30		TELESCOPING STEEL SIGN SUPPORT. LF		
	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF			
MUNICIPAL DRIVE																											
51+15.20 RT			1	4.00					1	2.19																15	
52+81.77 LT			1	4.00					1	2.19																15	
52+83.69 MEDIAN																										15	
52+95 LT	1	5.00							1	5.00	1	5.00														15	
54+50 RT													1	5.00												15	
60+16.2 MEDIAN									1	5.00	1	5.00														15	
61+05.88 MEDIAN									1	5.00	1	5.00														15	
67+00 RT															1	16.00										15	
68+00 LT													1	5.00												15	
68+91 MEDIAN											1	5.00														15	
70+03 MEDIAN									1	5.00	1	5.00														15	
70+50 RT													1	5.00												15	
72+00 RT																	1	6.25								15	
73+00 RT																		1	6.25			1	3.00			15	
74+50 RT																								1	6.25	15	
74+50 MEDIAN																								1	6.25	15	
76+00 RT																		1	6.25							15	
76+58.4 MEDIAN					1	6.25					1	5.00														15	
76+58.4 RT					1	6.25																				15	
79+02.60																										15	
GALENA BLVD.																											
200+67.50 MEDIAN					1	6.25					1	5.00														15	
200+67.50 LEFT					1	6.25																				15	
201+25 LT																									1	6.25	
202+75 LT																									1	6.25	
202+75 MEDIAN																										15	
203+45 RT														1	5.00											15	
206+00 LT																										15	
207+97 MEDIAN									1	5.00	1	5.00														15	
209+03 MEDIAN									1	5.00	1	5.00														15	
211+00 LT																										15	
220+30.67 MEDIAN									1	5.00	1	5.00														15	
227+82.80 RT	1	5.00																								15	
229+80.75 MEDIAN																										15	
229+84.15 RT	1	5.00																								15	
231+61.39 LT	1	5.00																								15	
231+63.90 MEDIAN																										15	
233+76 RT																										15	
233+00.73 LT																										15	
237+10.60 RT																										15	
240+52.04 LT																										15	
US 30																											
635+92.54 RT																											15
643+43.48	1	5.00																								15	
649+48.54 LT																										15	
INTERCHANGE SIGN TRUSS																											
IL 47																											
296+50 RT	1	5.00																									15
298+99.83 RT	1	5.00																									15
299+04.83 MEDIAN																											15
301+13.99 MEDIAN																											15
303+00 LT	1	5.00																									15
305+49.17 RT	1	5.00																									15
TOTAL	9	45.00	2	8.00	4	25.00	2	4.38	7	35.00	14	70.00	4	20.00	1	16.00	2	12.50	1	6.25	1	3.00	4	25.00	555		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

DATE	
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REVISIONS	
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REVISIONS	
PLANNED	
NOTED	
NO.	

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SIGN SCHEDULE

LOCATION	R3-5R-2430		M1-4-24		R1-1-30		M6-4-2115		R3-5L-2430		R4-7-2430		R2-1-2430		W9-3L(FO)-48		R3-8-30		W8-3-30		W16-2-2418		W3-1-30		TELESCOPING STEEL SIGN SUPPORT, LF	
	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF	NUMBER REQUIRED	AREA, SF		
MUNICIPAL DRIVE																										
51+15.20 RT			1	4.00			1	2.19																		15
52+81.77 LT			1	4.00			1	2.19																		15
52+83.69 MEDIAN										1	5.00	1	5.00													15
52+95 LT	1	5.00																								15
54+50 RT														1	5.00											15
60+16.2 MEDIAN										1	5.00	1	5.00													15
61+05.88 MEDIAN										1	5.00	1	5.00													15
67+00 RT																1	16.00									15
68+00 LT														1	5.00											15
68+91 MEDIAN												1	5.00													15
70+03 MEDIAN										1	5.00	1	5.00													15
70+50 RT														1	5.00											15
72+00 RT																		1	6.25							15
73+00 RT																			1	6.25	1	3.00				15
74+50 RT																							1	6.25		15
74+50 MEDIAN																							1	6.25		15
76+00 RT																	1	6.25								15
76+58.4 MEDIAN					1	6.25						1	5.00													15
76+58.4 RT					1	6.25																				15
79+02.60																										15
GALENA BLVD.																										
200+67.50 MEDIAN					1	6.25						1	5.00													15
200+67.50 LEFT					1	6.25																				15
201+25 LT																										15
202+75 LT																								1	6.25	15
202+75 MEDIAN																							1	6.25		15
203+45 RT														1	5.00											15
206+00 LT																										15
207+97 MEDIAN										1	5.00	1	5.00													15
209+03 MEDIAN										1	5.00	1	5.00													15
211+00 LT																										15
220+30.67 MEDIAN										1	5.00	1	5.00													15
227+82.80 RT	1	5.00																								15
229+80.75 MEDIAN														1	5.00											15
229+84.15 RT	1	5.00																								15
231+61.39 LT	1	5.00																								15
231+63.90 MEDIAN													1	5.00												15
233+76 RT																										15
233+00.73 LT																										15
237+10.60 RT																										15
240+52.04 LT																										15
US 30																										
635+92.54 RT																										15
643+43.48	1	5.00																								15
649+48.54 LT																										15
INTERCHANGE SIGN TRUSS																										
IL 47																										
296+50 RT	1	5.00																								15
298+99.83 RT	1	5.00																								15
299+04.83 MEDIAN													1	5.00												15
301+13.99 MEDIAN													1	5.00												15
303+00 LT	1	5.00																								15
305+49.17 RT	1	5.00																								15
TOTAL	9	45.00	2	8.00	4	25.00	2	4.38	7	35.00	14	70.00	4	20.00	1	16.00	2	12.50	1	6.25	1	3.00	4	25.00	555	

PLAN

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	

PROFILE

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	SIGN SCHEDULE	
SCALE: NTS	DRAWN BY:	CHECKED BY: WBR	
DATE: 02/07/08			



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

WATER MAIN SCHEDULE

STA. FROM	STA. TO	6" WM LIN FT	8" WM LIN FT	12" WM LIN FT	TRENCH BACKFILL CU YDS	FIRE HYDRANT EACH	6" GATE VALVE & 4' VAULT EACH	8" GATE VALVE & 4' VAULT EACH	12" GATE VALVE & 5' VAULT EACH	DUCTILE IRON FITTINGS AND ACCESSORIES							BORE & JACK 24" STEEL CASING LIN FT	VALVE VAULT ADJUST EACH	FIRE HYDRANT RELOCATE EACH	
										CONNECTION TO EXISTING WATERMAIN (NON PRESSURE) EACH	12"-45 BEND 111#/EA EACH	12" X 6" TEE 115#/EA EACH	12" X 8" TEE 123#/EA EACH	12" X 12" TEE 165#/EA EACH	6" PLUG 23#/EA EACH	8" PLUG 32#/EA EACH				12" PLUG 49#/EA EACH
MUNICIPAL DRIVE																				
44+00	53+00			560	50					1	8					125	3			
53+00	62+00	31	30	1150	176	3	1	1	3	1	4	1	1	1	1					
GALENA BLVD																				
219+50	223+50			502	82		1			1			1							
223+50	231+00			734	48		3		3			2			1					
ROUTE 30																				
																	1			
IL 47																				
298+00	302+00			305	60				1		2									
302+00	304+00			345					1		2					115				
TOTAL		31	30	3596	416	7	1	1	8	4	16	1	1	4	1	1	3	240	3	1

SANITARY SCHEDULE

STA. FROM	STA. TO	10" PVC SDR-21 LIN FT	12" PVC SDR-21 LIN FT	SANITARY MANHOLE EACH	TRENCH BACKFILL CY	CONNECTION TO EXISTING SANITARY SEWER EACH	BORE & JACK 24" STEEL CASING LIN FT
MUNICIPAL DRIVE							
44+00	53+00	815			5	648	
53+00	63+00						
63+00	74+50						
74+50	79+00						
GALENA BLVD							
200+00	212+00						
212+00	223+50						
223+50	231+00						
ROUTE 30							
			545		1		1
TOTAL		815	545	6	648	1	125

FOUNDATION REMOVAL SCHEDULE

STATION	LOCATION	QUANTITY	DESCRIPTION
ROUTE 47			
294+25	LT	2	SIGN POST FOUNDATION REMOVAL
299+57	RT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
299+91	MEDIAN	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
300+12	LT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
300+43	LT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
300+62	RT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
300+83	LT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
301+09	RT	1	TRAFFIC SIGNAL FOUNDATION REMOVAL
TOTAL		9	

STREET LIGHT FOUNDATION REMOVAL

STATION	LOCATION	QUANTITY	DESCRIPTION
GALENA BOULEVARD			
234+00	LT	1	LIGHT POLE FOUNDATION REMOVAL
231+40	RT	1	LIGHT POLE FOUNDATION REMOVAL
IL 47			
292+70	LT	1	LIGHT POLE FOUNDATION REMOVAL
298+38	RT	1	LIGHT POLE FOUNDATION REMOVAL
300+00	LT	1	LIGHT POLE FOUNDATION REMOVAL
301+26	RT	1	LIGHT POLE FOUNDATION REMOVAL
304+60	LT	1	LIGHT POLE FOUNDATION REMOVAL
308+37	LT	1	LIGHT POLE FOUNDATION REMOVAL
TOTAL		8	

EARTH WORK SCHEDULE

LOCATION	EARTH EXCAVATION		EMBANKMENT, CY	EARTH WORK BALANCE WASTE(+) OR SHORTAGE (-)
	EARTH EXCAVATION, CY	ADJUSTED FOR SHRINKAGE, CY		
MUNICIPAL DRIVE				
Sta. 45+00 - 51+94	1,668	1,252	707	545
Sta. 51+94 - 55+00	388	292	4,319	-4,027
Sta. 55+00 - 62+00	3,036	2,278	6,537	-4,259
SUBTOTAL	5,092	3,822	11,563	-7,741
GALENA BLVD.				
Sta. 219+50 - 225+00	2,140	1,607	1,687	-80
Sta. 225+00 - 230+00	2,406	1,805	2,026	-221
Sta. 230+00 - 235+00	1,411	1,059	783	276
Sta. 235+00 - 242+00	1,150	866	632	234
SUBTOTAL	7,107	5,337	5,128	209
US 30				
Sta. 627+00 - 630+00	110	82	51	31
Sta. 630+00 - 635+00	965	724	46	678
Sta. 635+00 - 640+00	823	619	486	133
Sta. 640+00 - 644+71	1,061	797	588	209
SUBTOTAL	2,959	2,222	1,171	1,051
IL 47				
Sta. 292+00 - 295+00	-120	-89	124	-213
Sta. 295+00 - 300+00	891	668	778	-110
Sta. 300+00 - 305+00	2,745	2,061	787	1,274
Sta. 305+00 - 311+00	1,223	919	459	460
SUBTOTAL	4,739	3,559	2,148	1,411
DETENTION BASIN A	7,558	5,669	0	5,669
SUBTOTAL	7,558	5,669	0	5,669
TOTALS	27,455	20,609	20,010	599

NOTE: STRIPPING AND PLACING TOP SOIL IS INCIDENTAL TO EARTHWORK.
EARTH EXCAVATION WIDENING IS INCIDENTAL TO THE EARTH EXCAVATION
SHRINKAGE FACTOR = 0.25

RESTORATION SCHEDULE

LOCATION	SEEDING CLASS 1A AC	SEEDING CLASS 2 AC	SEEDING CLASS 4B AC	NITROGEN FERTILIZER NUTRIENT LBS	PHOSPHORUS FERTILIZER NUTRIENT LBS	POTASSIUM FERTILIZER NUTRIENT LBS	MULCH METHOD 3 AC
45+00	53+00	0.34	0.00	0.00	31	31	31
53+00	61+00	0.45	2.83	0.00	295	295	295
GALENA BOULEVARD							
219+50	223+50	0.38	1.52	0.00	171	171	171
223+50	234+00	0.72	1.81	0.00	228	228	228
234+00	241+00	0.37	0.00	0.00	34	34	34
ROUTE 30							
627+39	637+50	0.97	0.00	0.00	87	87	87
637+50	649+25	1.52	0.00	0.00	137	137	137
ROUTE 47							
291+00	295+00	0.74	0.00	0.00	67	67	67
295+00	304+00	1.00	0.00	0.00	90	90	90
304+00	310+60	0.74	0.00	0.00	67	67	67
BASIN "A"							
BASIN		0.00	0.90	0.78	61	61	61
TOTAL		7.2	7.1	0.8	1,286	1,286	1,286

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATERMAIN, SANITARY, FOUNDATION REMOVAL, EARTH WORK & RESTORATION SCHEDULES

SCALE: NTS
DATE: 02/07/08
DRAWN BY:
CHECKED BY: WBR

DATE: _____ BY: _____
PLAN NO. _____
REVISIONS: _____
CHECKED: _____
DATE: _____

DATE: _____ BY: _____
PROFILE NO. _____
REVISIONS: _____
CHECKED: _____
DATE: _____



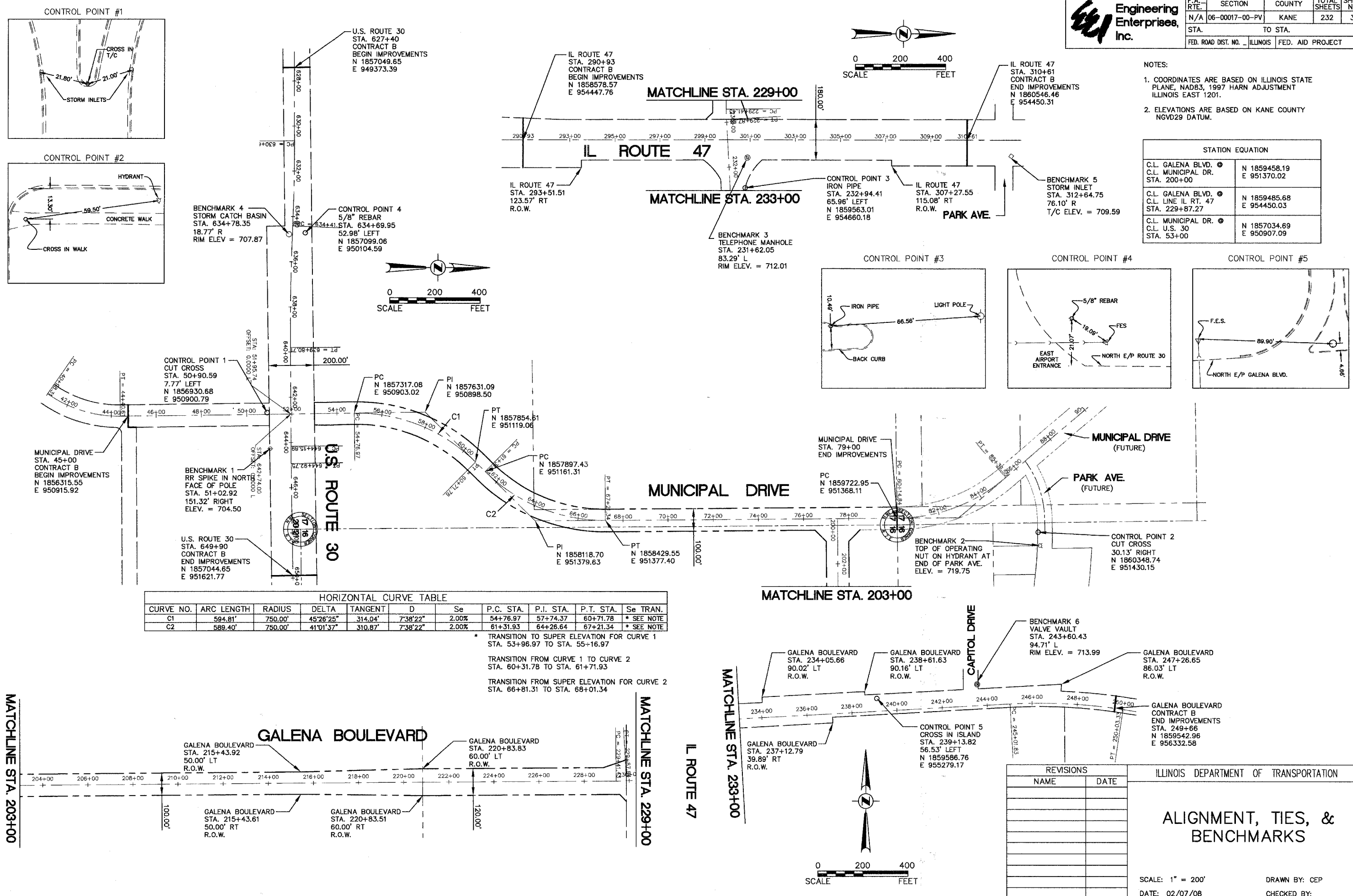
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	38
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- NOTES:
- COORDINATES ARE BASED ON ILLINOIS STATE PLANE, NAD83, 1997 HARN ADJUSTMENT ILLINOIS EAST 1201.
 - ELEVATIONS ARE BASED ON KANE COUNTY NGVD29 DATUM.

STATION EQUATION	
C.L. GALENA BLVD. @ C.L. MUNICIPAL DR. STA. 200+00	N 1859458.19 E 951370.02
C.L. GALENA BLVD. @ C.L. LINE IL RT. 47 STA. 229+87.27	N 1859485.68 E 954450.03
C.L. MUNICIPAL DR. @ C.L. U.S. 30 STA. 53+00	N 1857034.69 E 950907.09

DATE	BY

DATE	BY



HORIZONTAL CURVE TABLE										
CURVE NO.	ARC LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.	Se TRAN.
C1	594.81'	750.00'	45°26'25"	314.04'	7°38'22"	2.00%	54+76.97	57+74.37	60+71.78	* SEE NOTE
C2	589.40'	750.00'	41°01'37"	310.87'	7°38'22"	2.00%	61+31.93	64+26.64	67+21.34	* SEE NOTE

* TRANSITION TO SUPER ELEVATION FOR CURVE 1
STA. 53+96.97 TO STA. 55+16.97

TRANSITION FROM CURVE 1 TO CURVE 2
STA. 60+31.78 TO STA. 61+71.93

TRANSITION FROM SUPER ELEVATION FOR CURVE 2
STA. 66+81.31 TO STA. 68+01.34

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS

SCALE: 1" = 200'

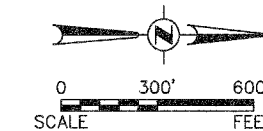
DATE: 02/07/08

DRAWN BY: CEP

CHECKED BY:

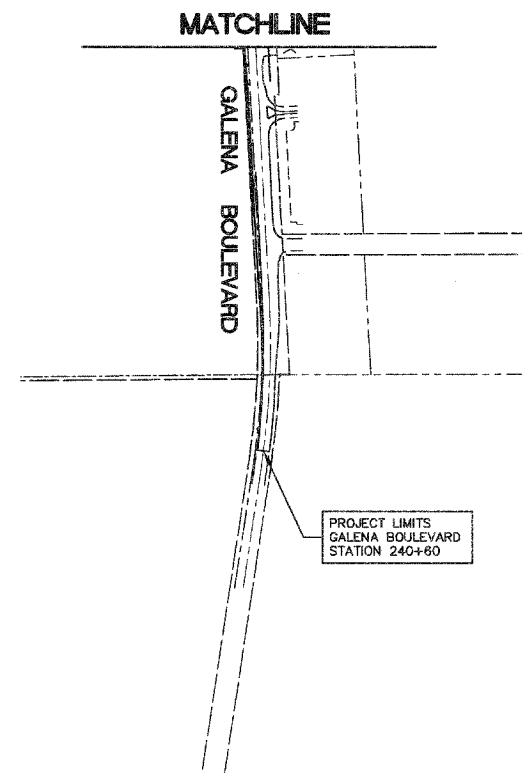
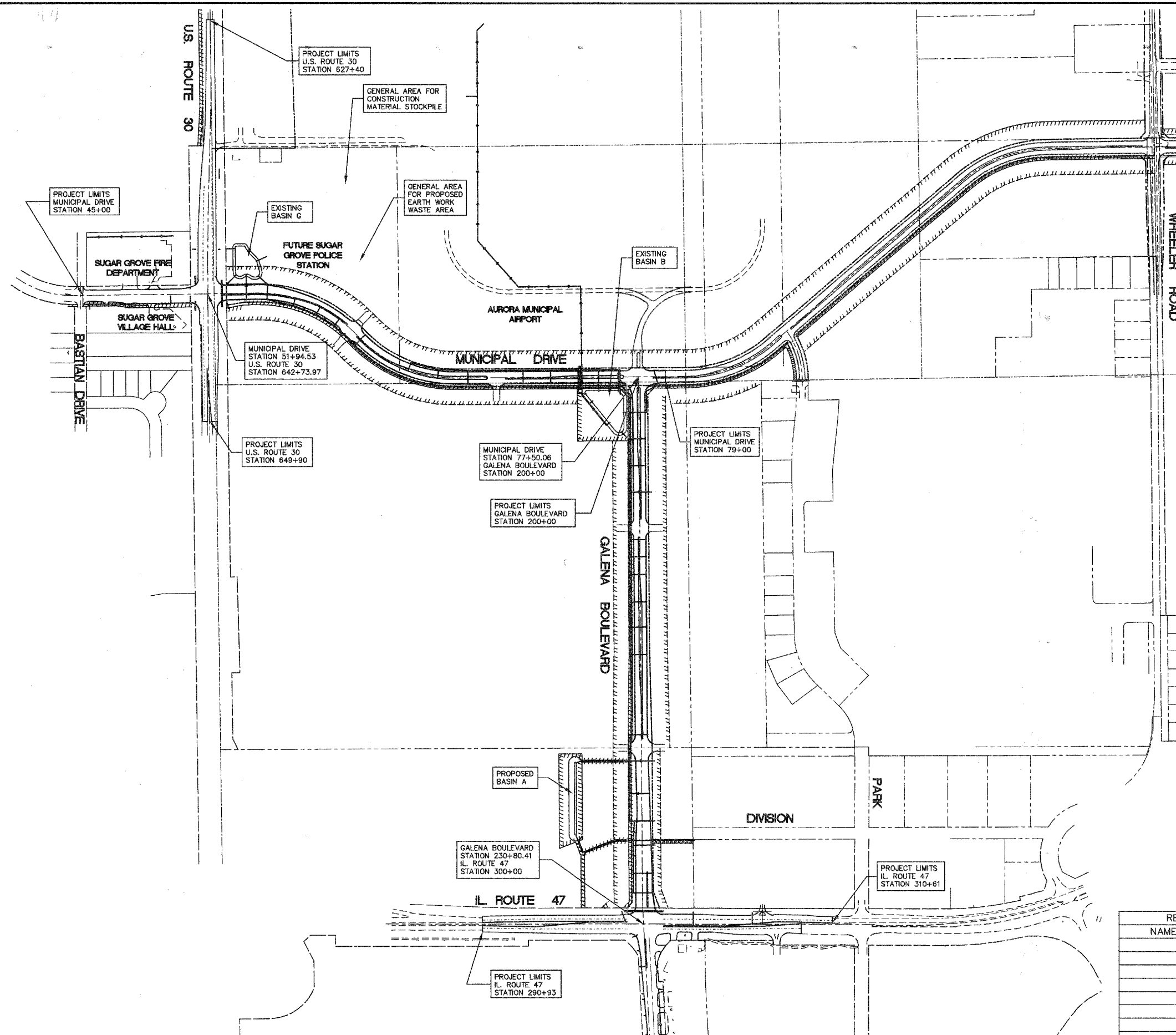
Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN	DATE
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
CONSTRUCTION CHECKED	
ADD FILE NAME	
NO.	

PROFILE	DATE
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO.	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

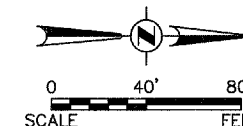
GENERAL PLAN

SCALE: 1" = 300'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

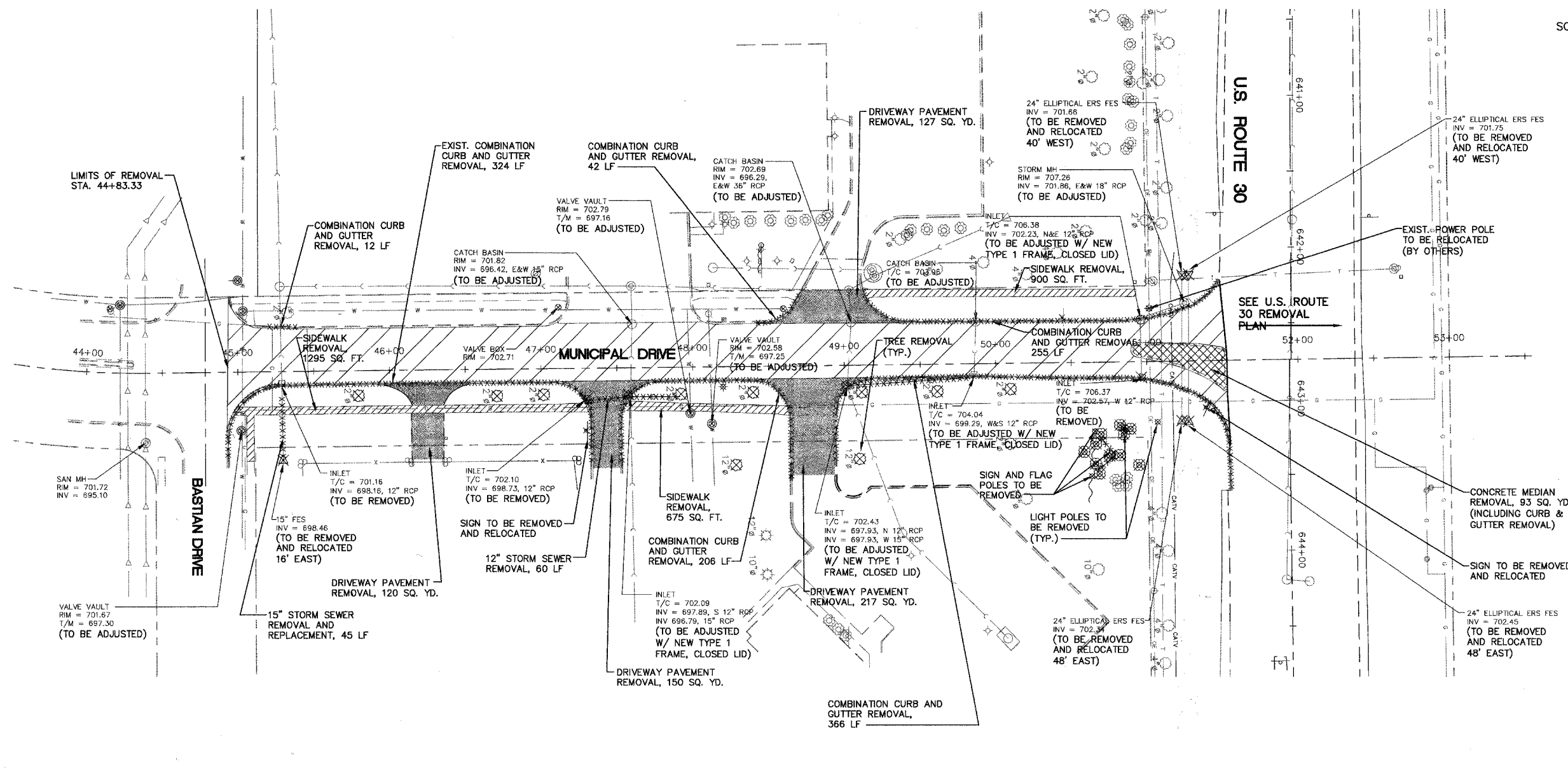


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	40
STA. 44+00		TO STA. 53+50		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MUNICIPAL DRIVE EXISTING CONDITIONS AND REMOVAL PLAN

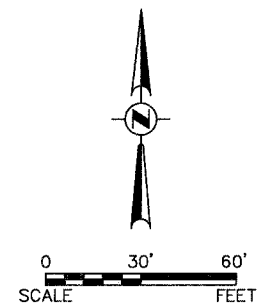
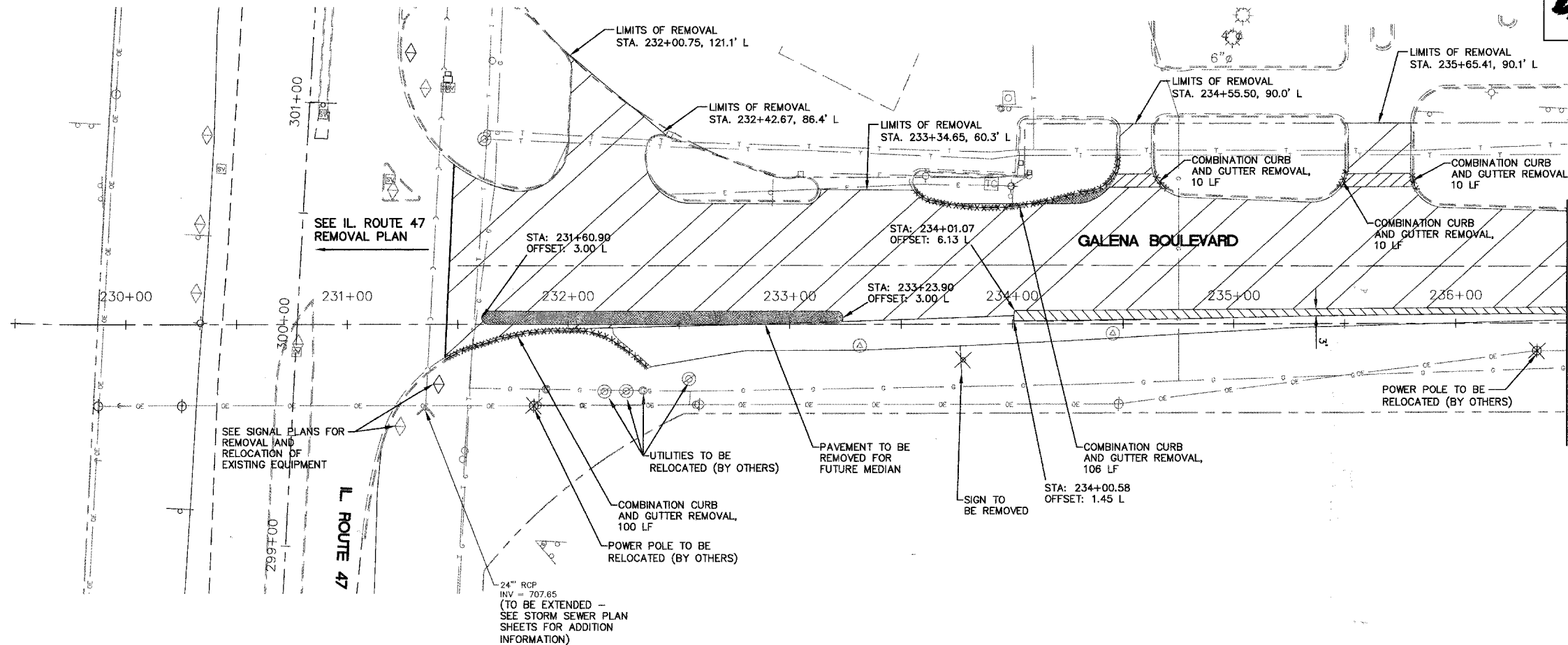
SCALE: 1" = 40'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

Engineering Enterprises, Inc.

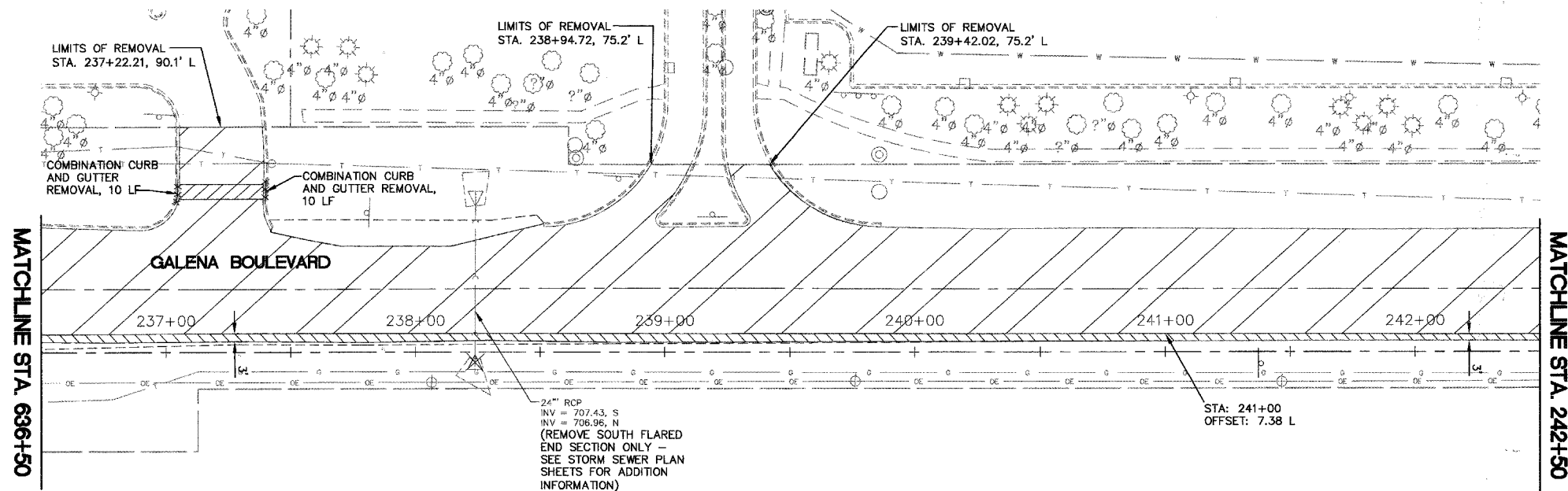
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	41
STA. 230+00		TO STA. 241+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

DATE	BY
PLANNED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NO.	



- HOT-MIX ASPHALT SURFACE REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- SHOULDER REMOVAL
- CLASS "D" PATCH

DATE	BY
PROFILE	
GRADES	
CHECKED	
B.L. NOTED	
STRUCTURE	
NOTATION	
CH/KO	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GALENA BOULEVARD
EXISTING CONDITIONS
AND REMOVAL PLAN**

SCALE: 1" = 30'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

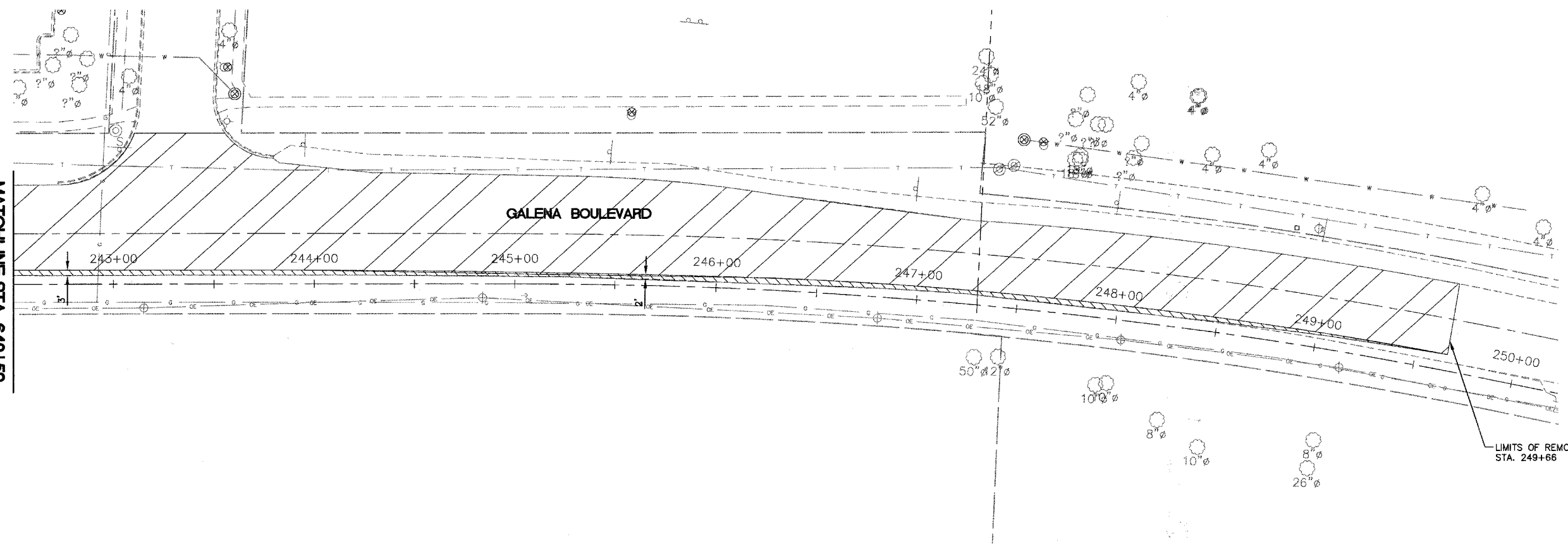


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	42
STA. 230+00		TO STA. 241+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
NO. OF MAN CHECKED	
CADD FILE NAME	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
NO. OF MAN CHECKED	
STRUCTURE NOTATIONS CHRD	
NO.	

MATCHLINE STA. 642+50



LIMITS OF REMOVAL STA. 249+66

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

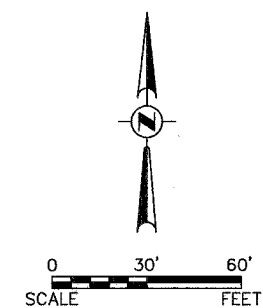
GALENA BOULEVARD EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 30'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

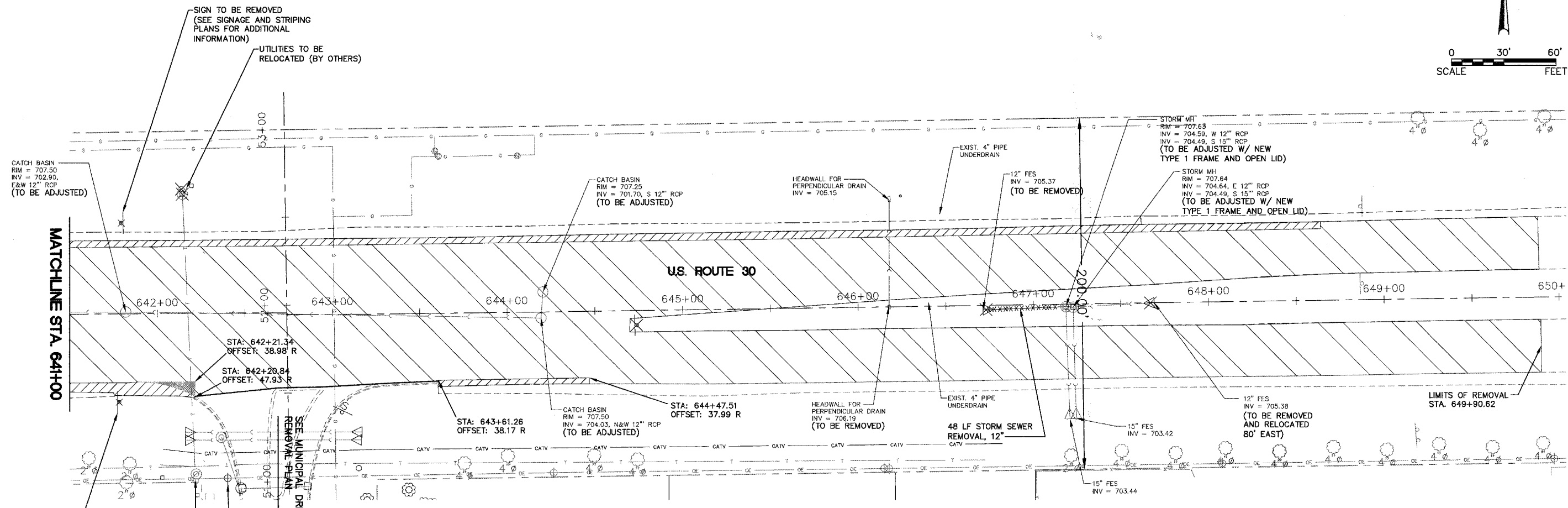


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	44
STA. 641+50		TO STA. 650+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY: _____	
NOTE BOOK NO. _____	
CADD FILE NAME _____	

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY: _____	
NOTE BOOK NO. _____	
STRUCTURE NOTATIONS OK'D	



- HOT-MIX ASPHALT SURFACE REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- SHOULDER REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

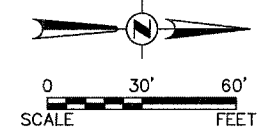
U.S. ROUTE 30 EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1" = 30'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

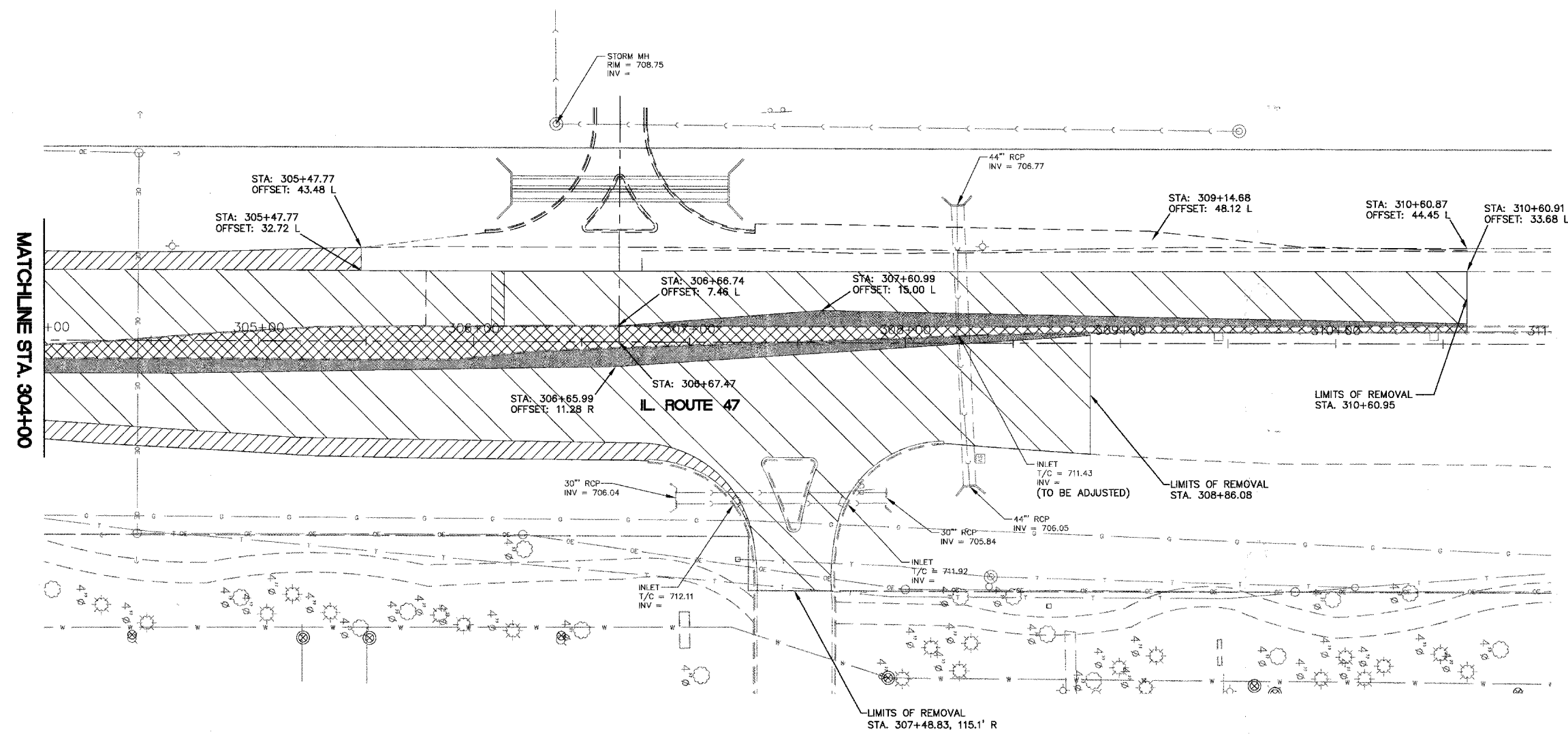


F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	46
STA. 304+00		TO STA. 311+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



PLAN	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	
BY	

PROFILE	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	
BY	



- HOT-MIX ASPHALT REMOVAL, 2"
- MEDIAN REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER REMOVAL
- CLASS "D" PATCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**ILLINOIS ROUTE 47
EXISTING CONDITIONS
AND REMOVAL PLAN**

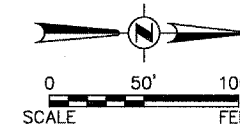
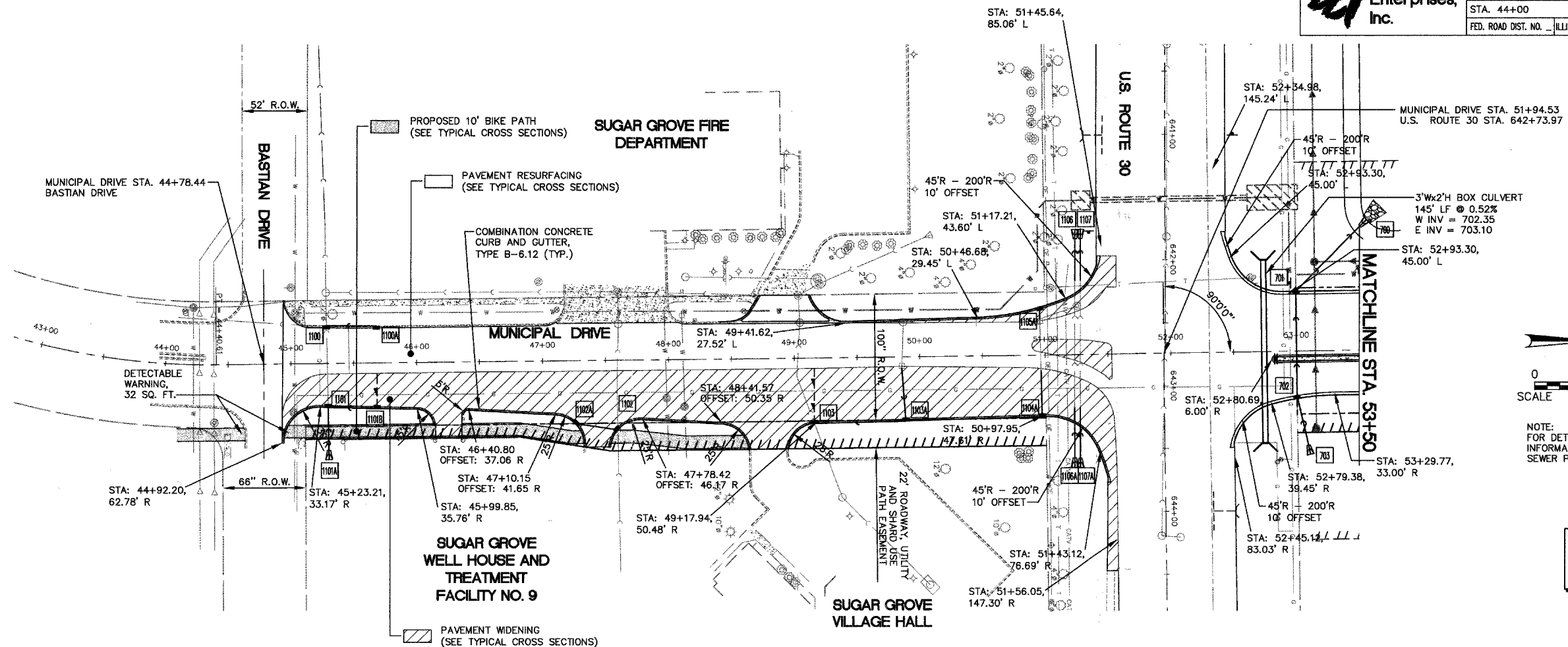
SCALE: 1" = 30'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	47
STA. 44+00 TO STA. 53+50				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

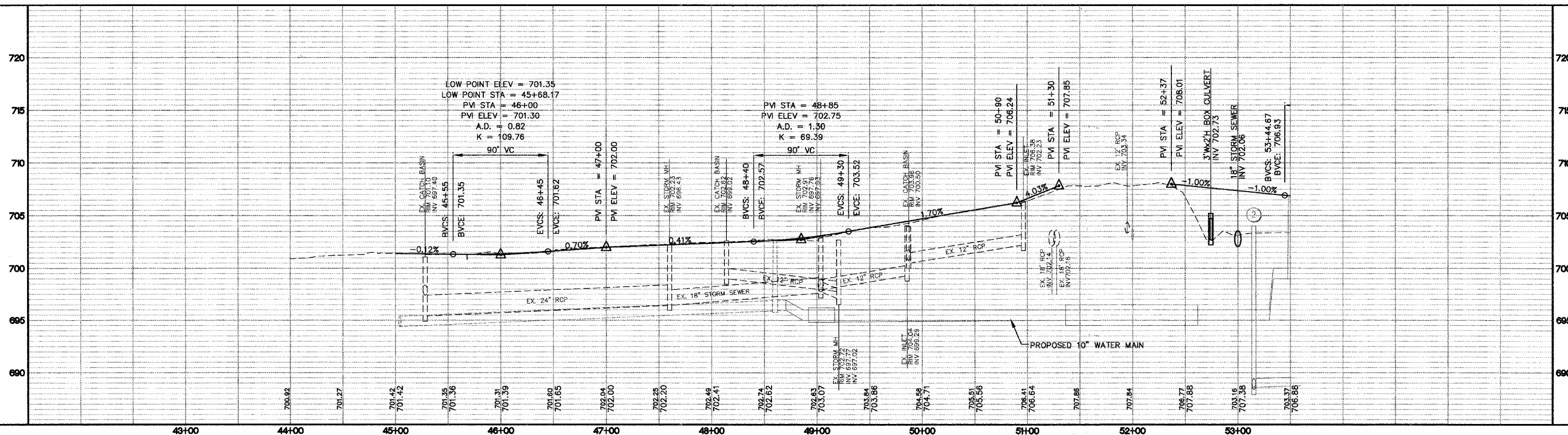
PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NO.	



NOTE: FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

SCALE:
 HORIZ. 1" = 50'
 VERT. 1" = 5'

PROFILE	DATE
SURVEYED	
PLOTTED	
CHECKED	
BY	
NO.	



MUNICIPAL DRIVE PLAN & PROFILE



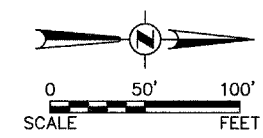
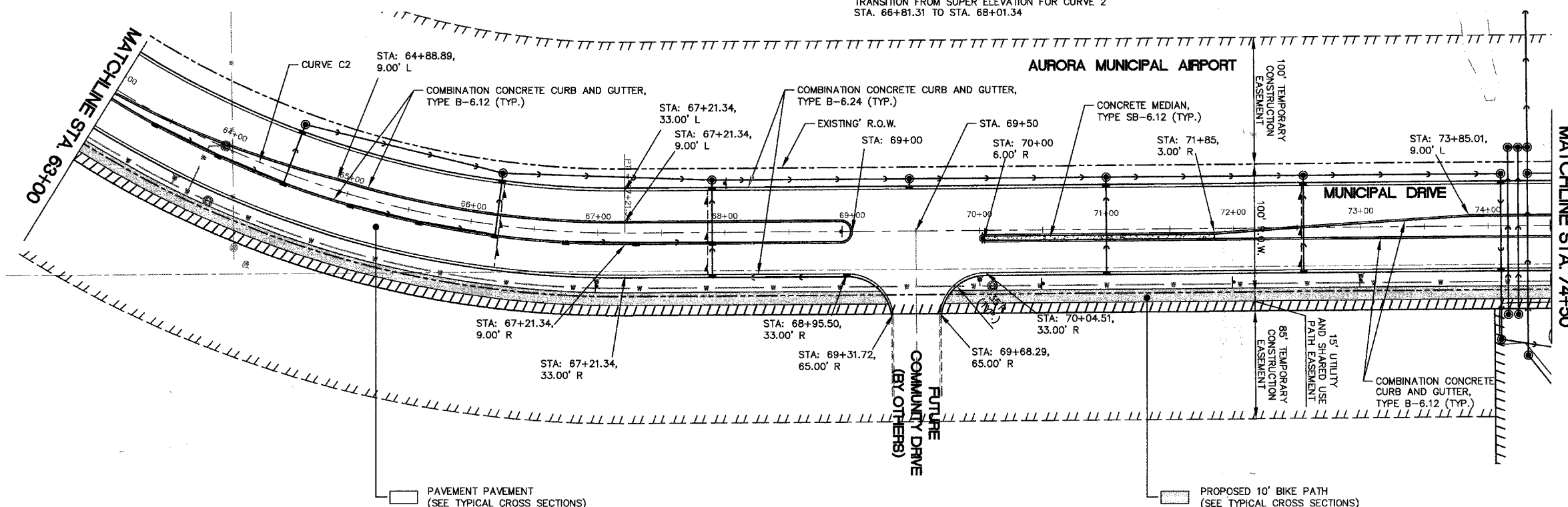
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	49
STA. 63+00		TO STA. 74+50		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

CURVE NO.	ARC LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.	Se TRAN.
C2	589.40'	750.00'	41°01'37"	310.87'	7°38'22"	2.00%	61+31.83	64+28.64	67+21.34	* SEE NOTE

NOTES FOR INFORMATION PURPOSES ONLY

* TRANSITION TO SUPER ELEVATION FOR CURVE 2
STA. 60+31.78 TO STA. 61+71.93
TRANSITION FROM SUPER ELEVATION FOR CURVE 2
STA. 66+81.31 TO STA. 68+01.34

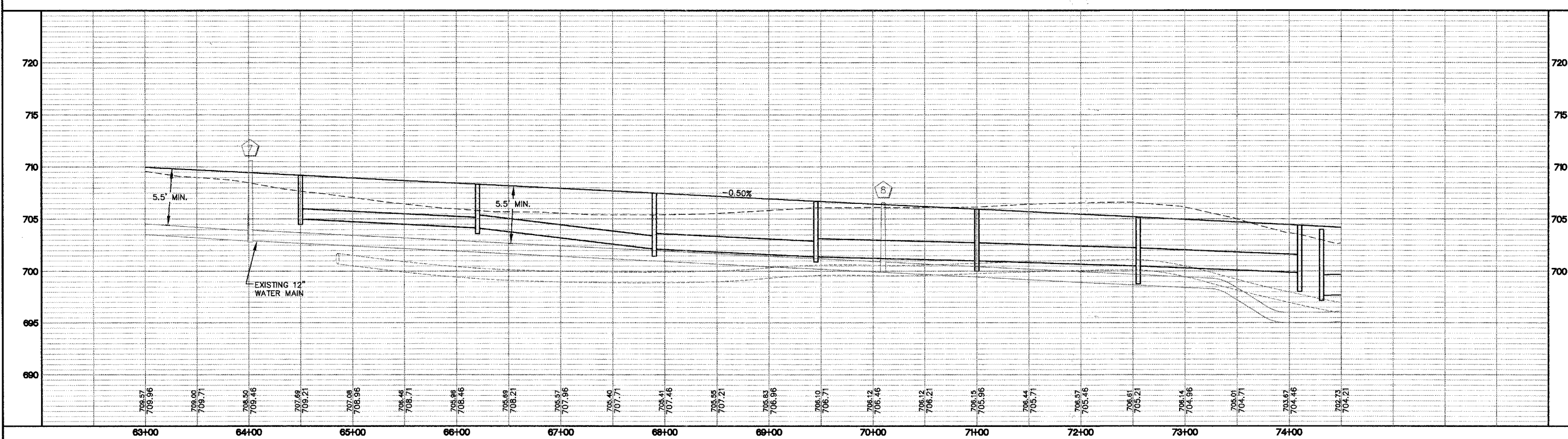
PLAN	DATE
SURVEYED	
PLOTTED	
NOTED	
CHECKED	
BY	



NOTE: FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

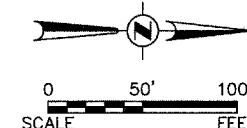
PROFILE	DATE
SURVEYED	
PLOTTED	
NOTED	
CHECKED	
BY	



MUNICIPAL DRIVE PLAN & PROFILE

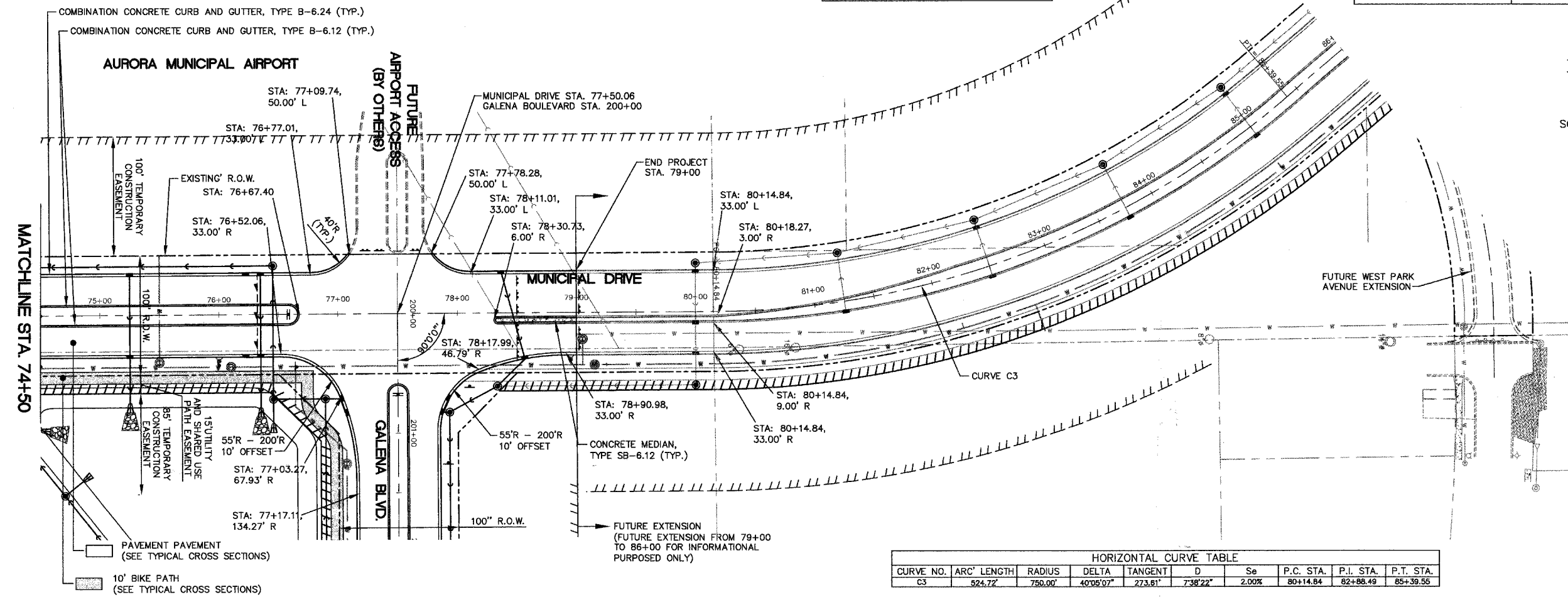
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	50
STA. 74+50		TO STA. 79+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

NOTES FOR INFORMATION PURPOSES ONLY



NOTE: FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

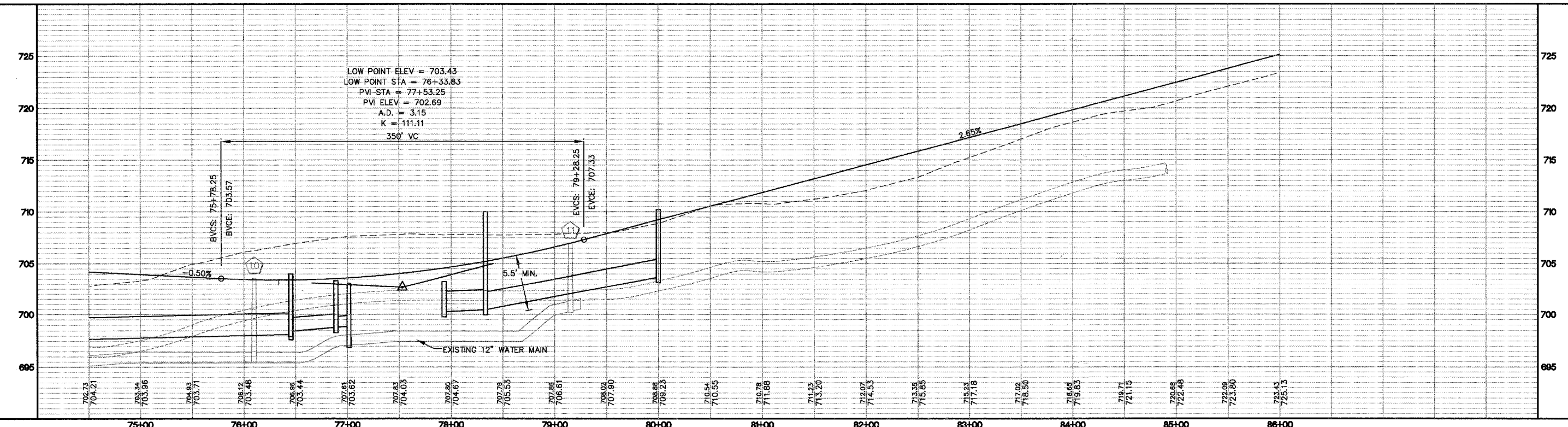
SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'



HORIZONTAL CURVE TABLE									
CURVE NO.	ARC LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
C3	524.72'	750.00'	40°06'07"	273.61'	7°38'22"	2.00%	80+14.84	82+88.49	85+39.56

DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
NO. _____	
NO. _____	
NO. _____	
NO. _____	

DATE	
BY	
PROFILE	
DESIGNED	
CHECKED	
NO. _____	
NO. _____	
NO. _____	
NO. _____	



MUNICIPAL DRIVE PLAN & PROFILE

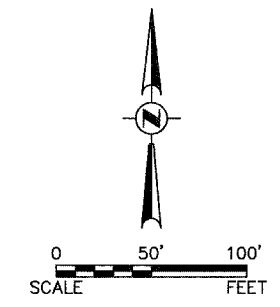
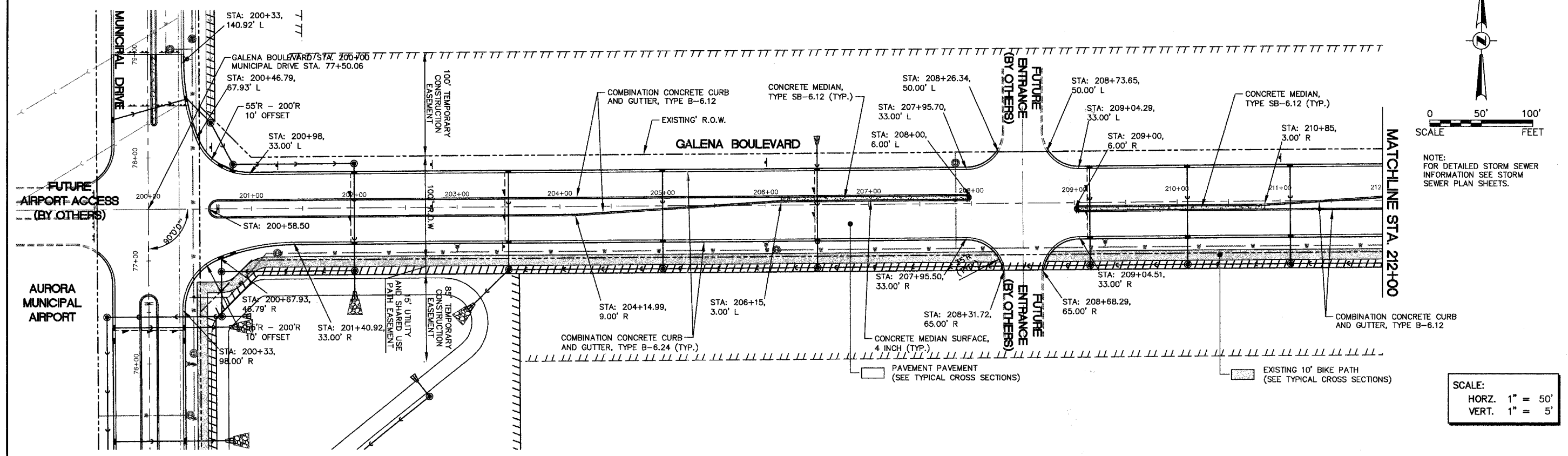


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	51
STA. 200+00		TO STA. 212+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

NOTES FOR INFORMATION PURPOSES ONLY

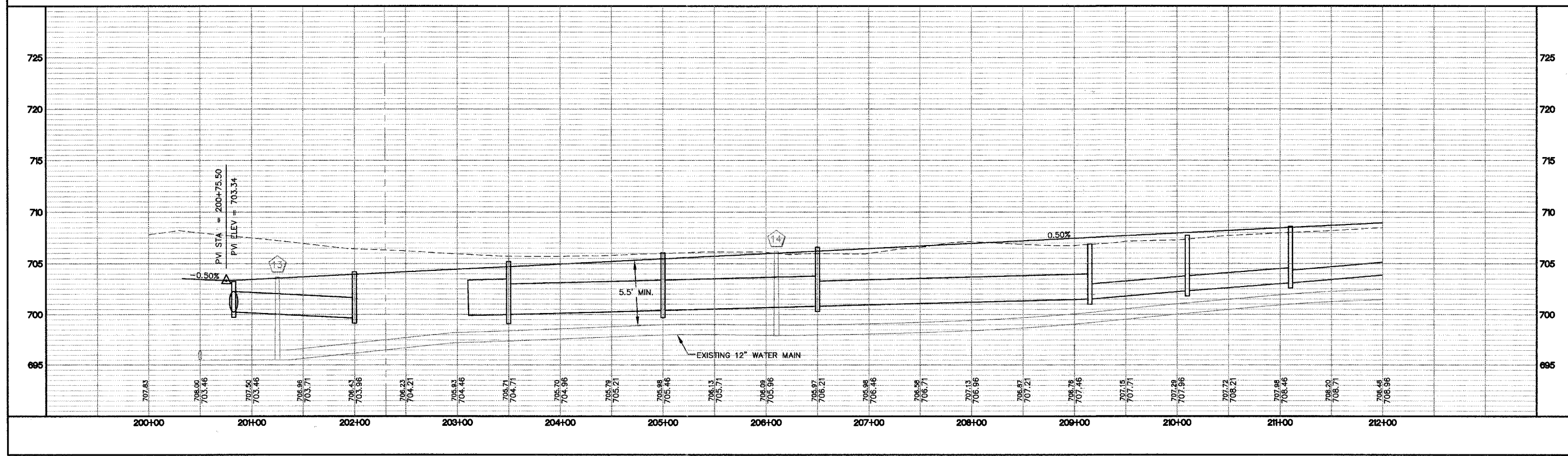
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SURVEYED		
ALIGNMENT CHECKED		
NOTE BOOK NO.		
FILE NO.		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NOTE BOOK NO.		
STRUCTURE NOTATIONS OK'D		



NOTE: FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'



GALENA BOULEVARD PLAN & PROFILE

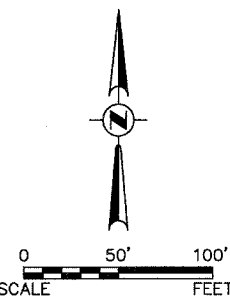
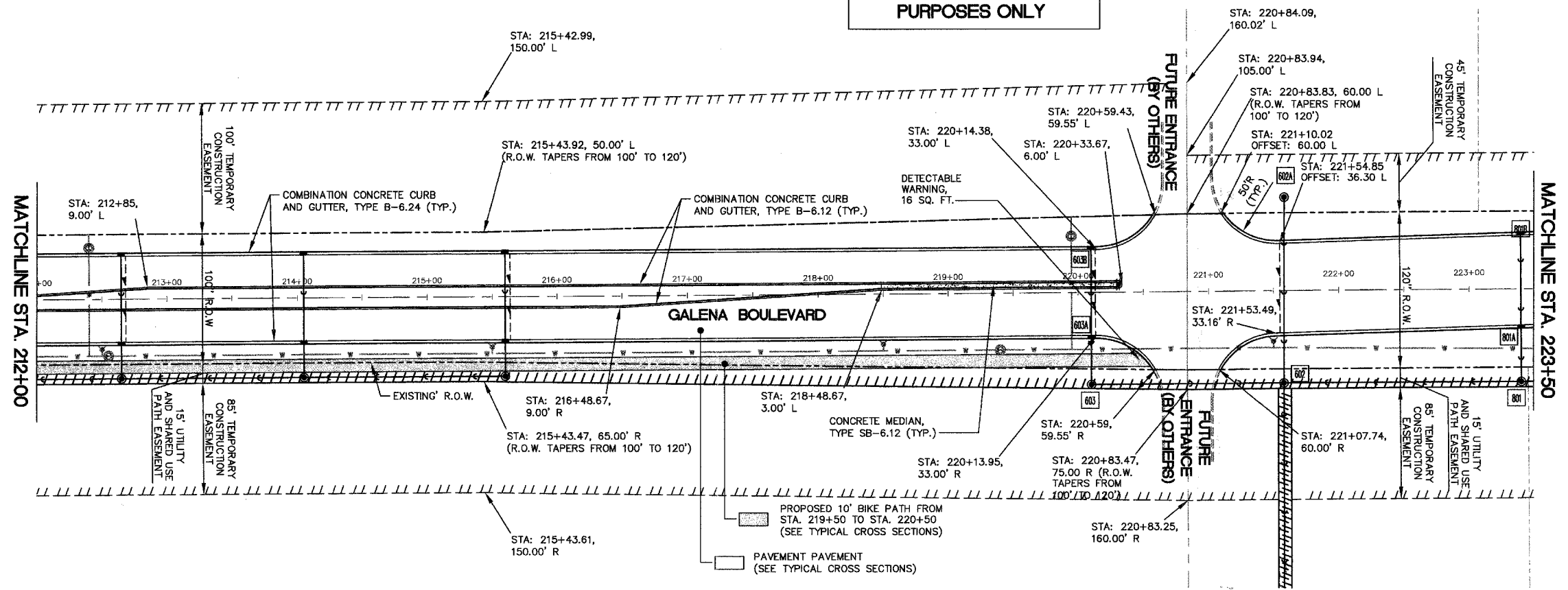
Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	52

STA. 212+00 TO STA. 223+50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

STA. 212+00 TO 219+50
NOTES FOR INFORMATION
PURPOSES ONLY

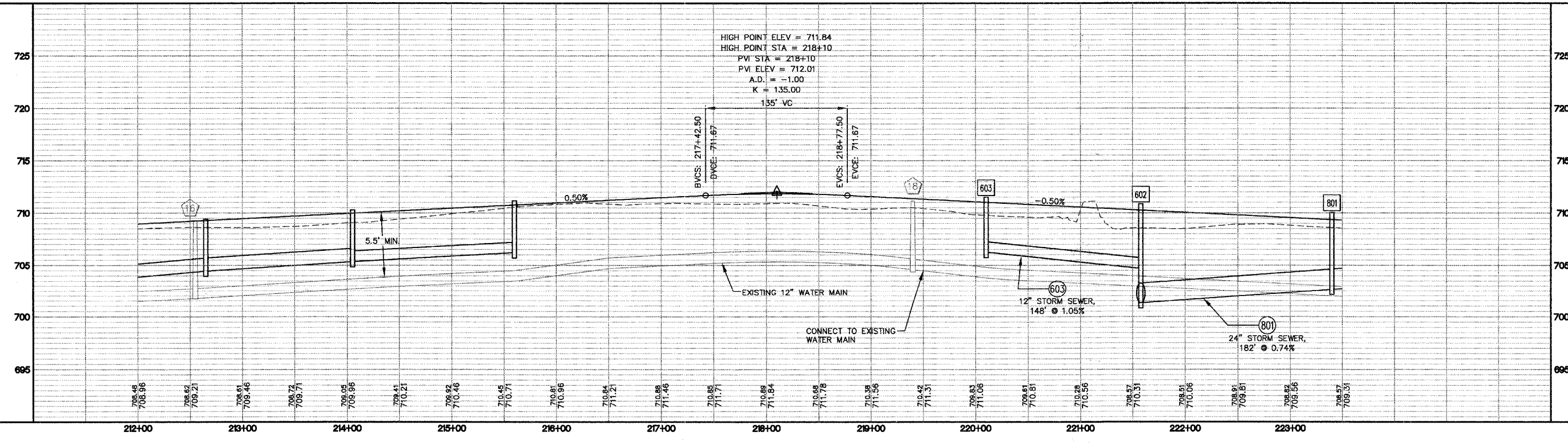
PLAN	DATE	BY
SURVEYED		
PLOTTED		
REVISIONS		
NO. DATE		
NOTE: REVISIONS TO BE CHECKED BY CAD FILE NAME		



NOTE:
FOR DETAILED STORM SEWER
INFORMATION SEE STORM
SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
REVISIONS		
NO. DATE		
NOTE: REVISIONS TO BE CHECKED BY CAD FILE NAME		



GALENA BOULEVARD PLAN & PROFILE

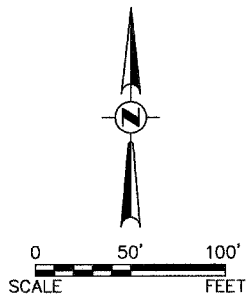
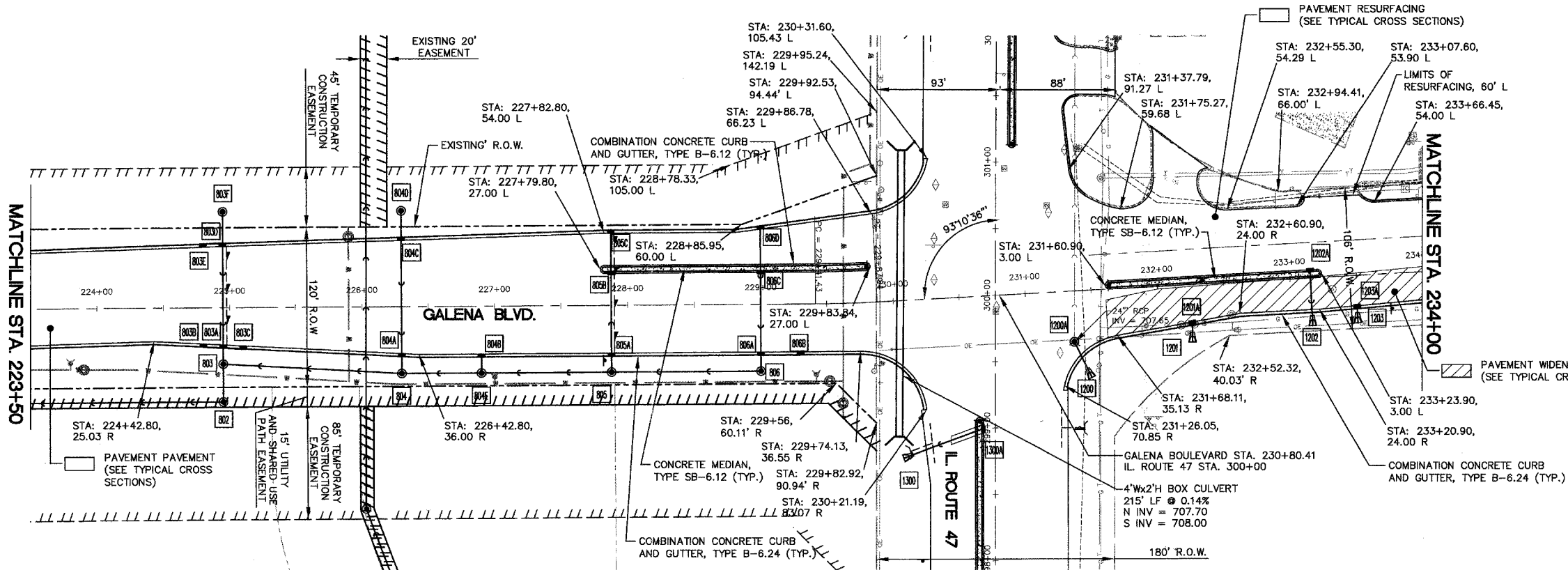
Plotted: May 27, 2008 @ 3:43 PM By: Kris Pung - Tab: 52 P&E (22x34)

\\SRVPR001\S0546\JWG\S03\S2\JWG_FINAL_ENG\CONTRACT B\B-S0546-ROAD_PP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	53

HORIZONTAL CURVE TABLE									
CURVE NO.	ARC LENGTH	RADIUS	DELTA	TANGENT	D	S_e	P.C. STA.	P.I. STA.	P.T. STA.
C3	46.41'	1000.00'	2'39'33"	23.21'	7'38'22"	0.75%	229+41.43	229+64.64	229+87.84

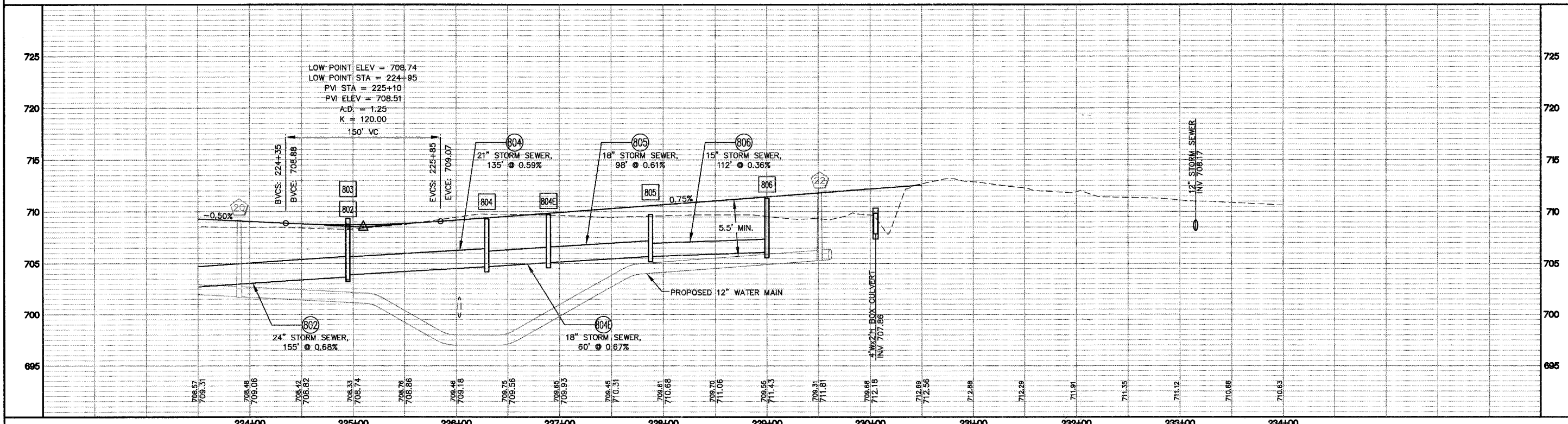
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BY	
PLANNED	
DESIGNED	
CHECKED	
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NO.	



NOTE:
FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

DATE	
BY	
PROFILE	
DESIGNED	
CHECKED	
NO.	
NO.	



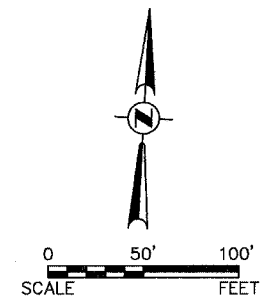
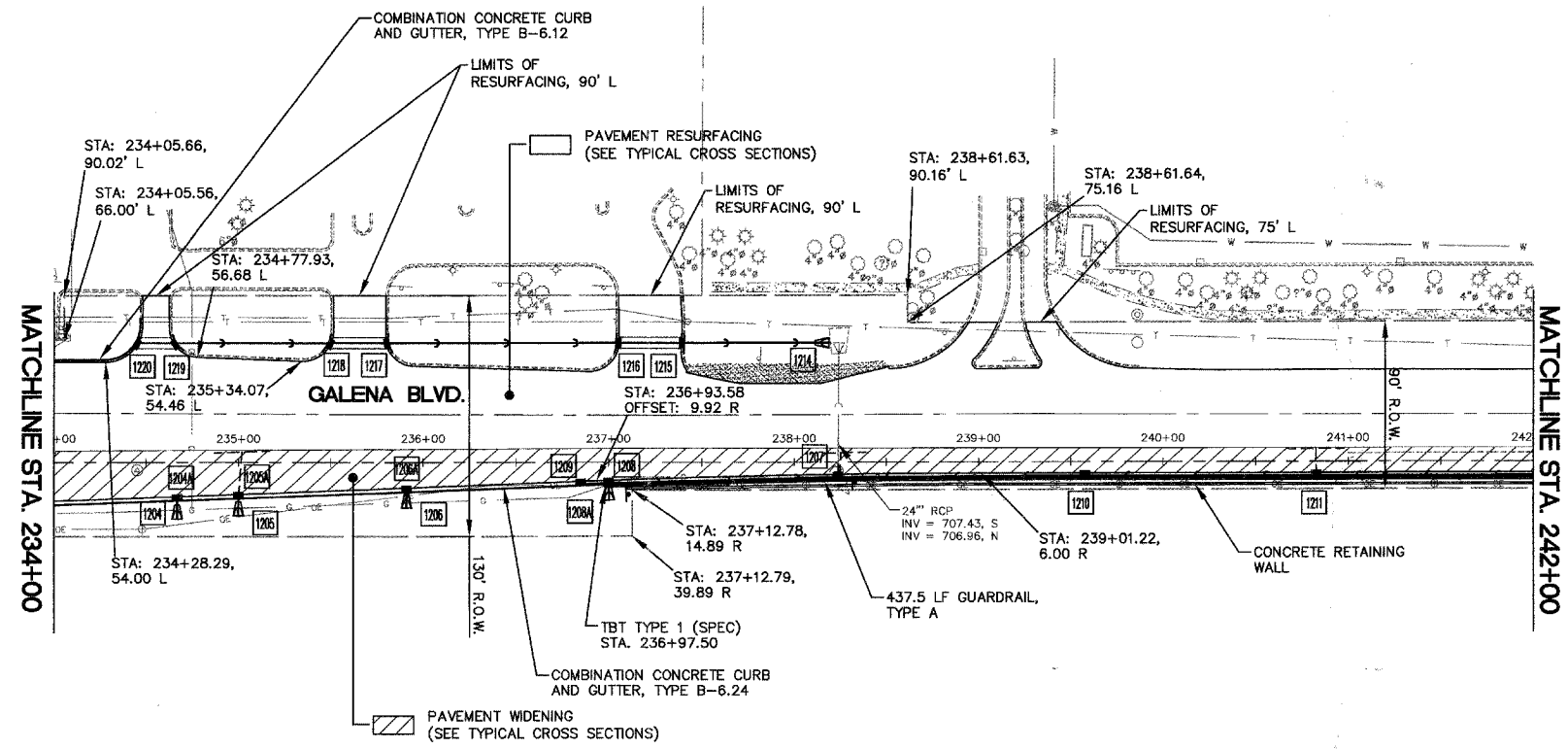
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GALENA BOULEVARD PLAN & PROFILE

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	08-00017-00-PV	KANE	232	54
STA. 234+00 TO STA. 241+00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

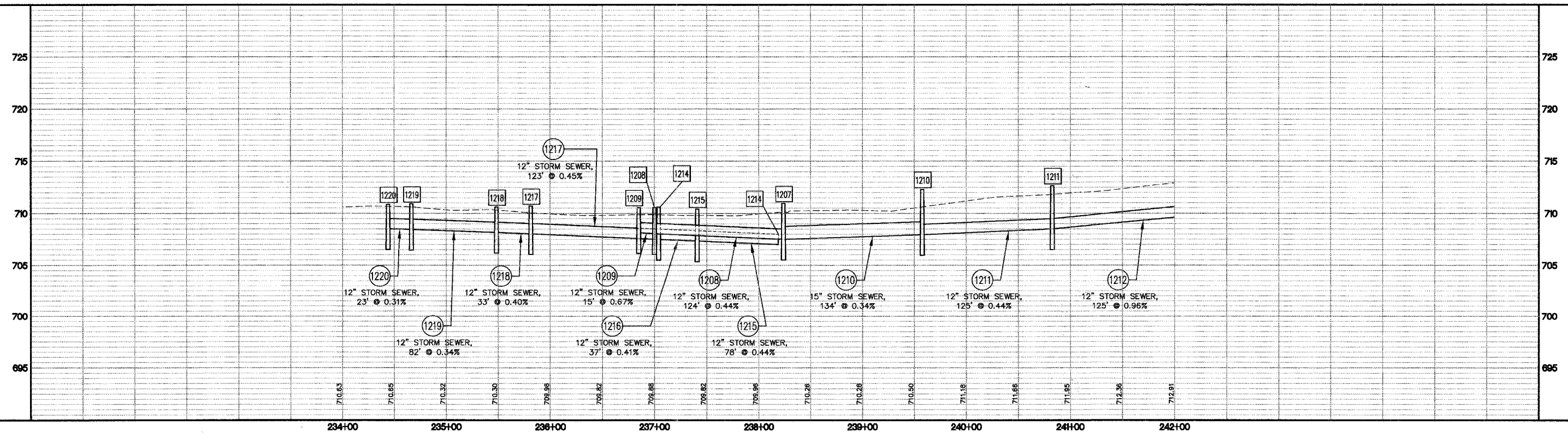
PLAN	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
NO.	



NOTE:
FOR DETAILED STORM SEWER
INFORMATION SEE STORM
SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

PROFILE	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
NO.	

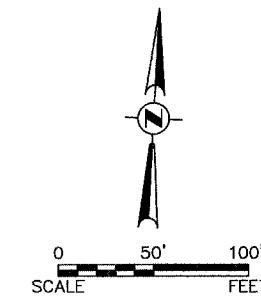
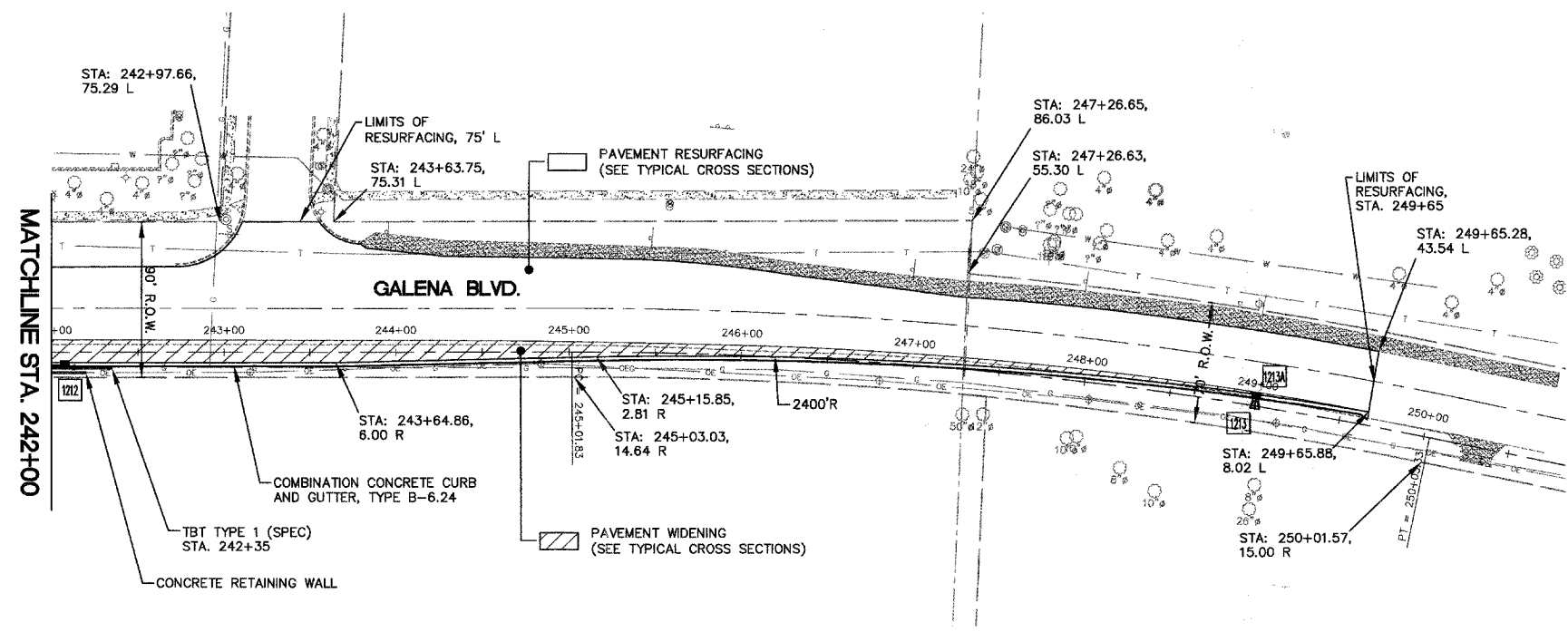




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	55
STA. 234+00		TO STA. 241+00		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

HORIZONTAL CURVE TABLE									
CURVE NO.	ARC LENGTH	RADIUS	DELTA	TANGENT	D	Se	P.C. STA.	P.I. STA.	P.T. STA.
C4	501.50'	2465.00'	11°39'24"	251.62'	2°19'28"	NC	245+01.83	247+52.58	250+03.33

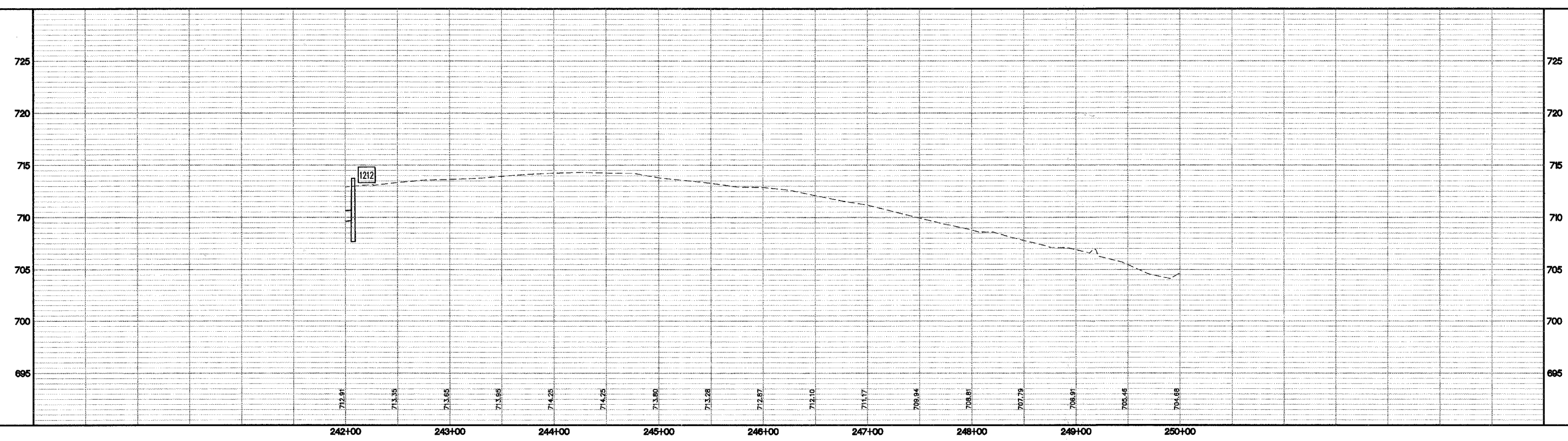
PLAN	SURVEYED	DATE
	PLOTTED	
	REVISIONS	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
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NOTE:
FOR DETAILED STORM SEWER
INFORMATION SEE STORM
SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

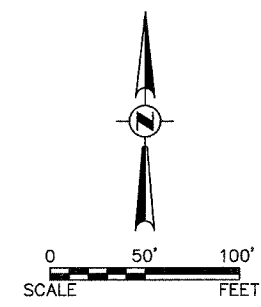
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	PLOTTED	
	REVISIONS	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATION CHKD	
	NO.	



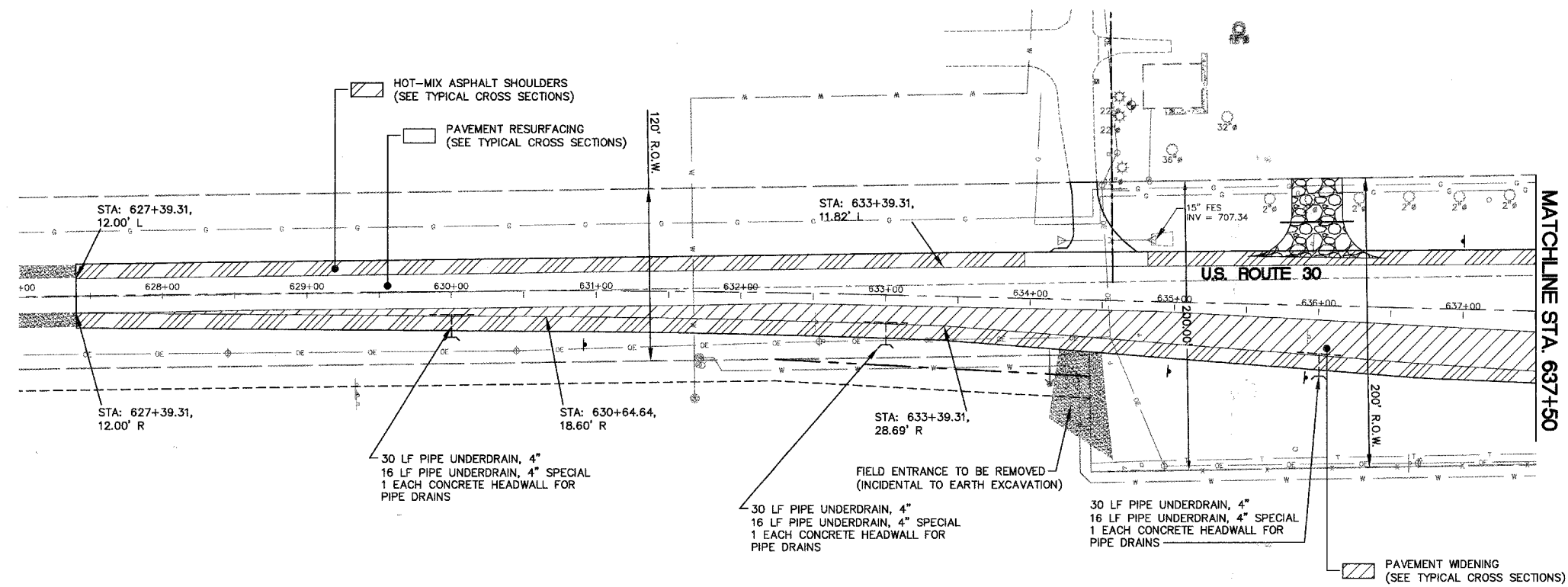
GALENA BOULEVARD PLAN & PROFILE

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	56
STA. 627+00		TO STA. 637+50		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

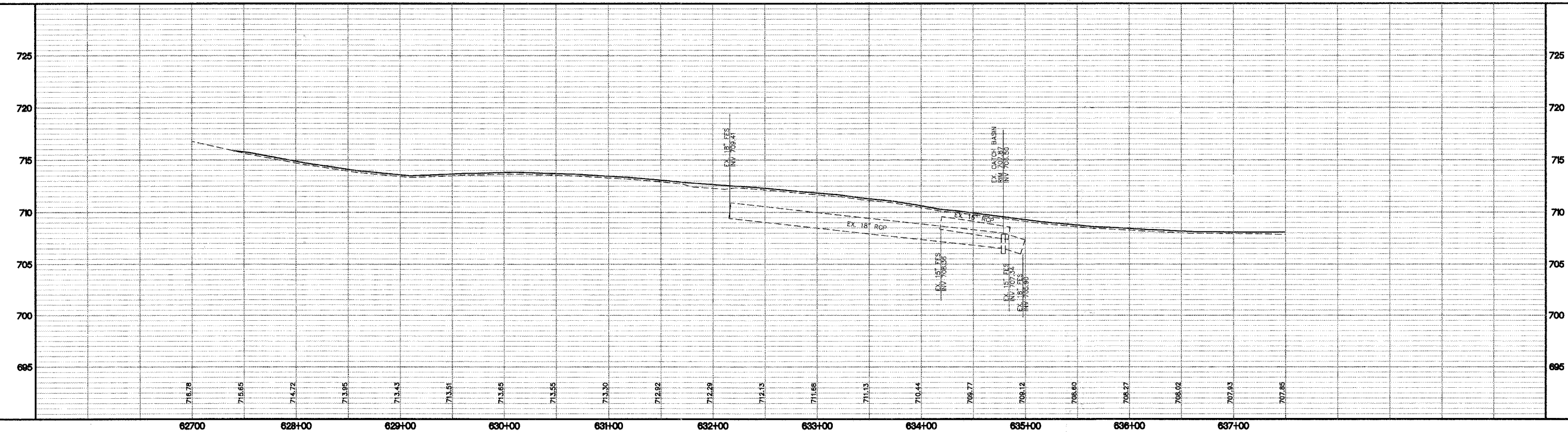


PLAN	DATE
BY	
REVIEWED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	



SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'

PROFILE	DATE
BY	
REVIEWED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CKD	

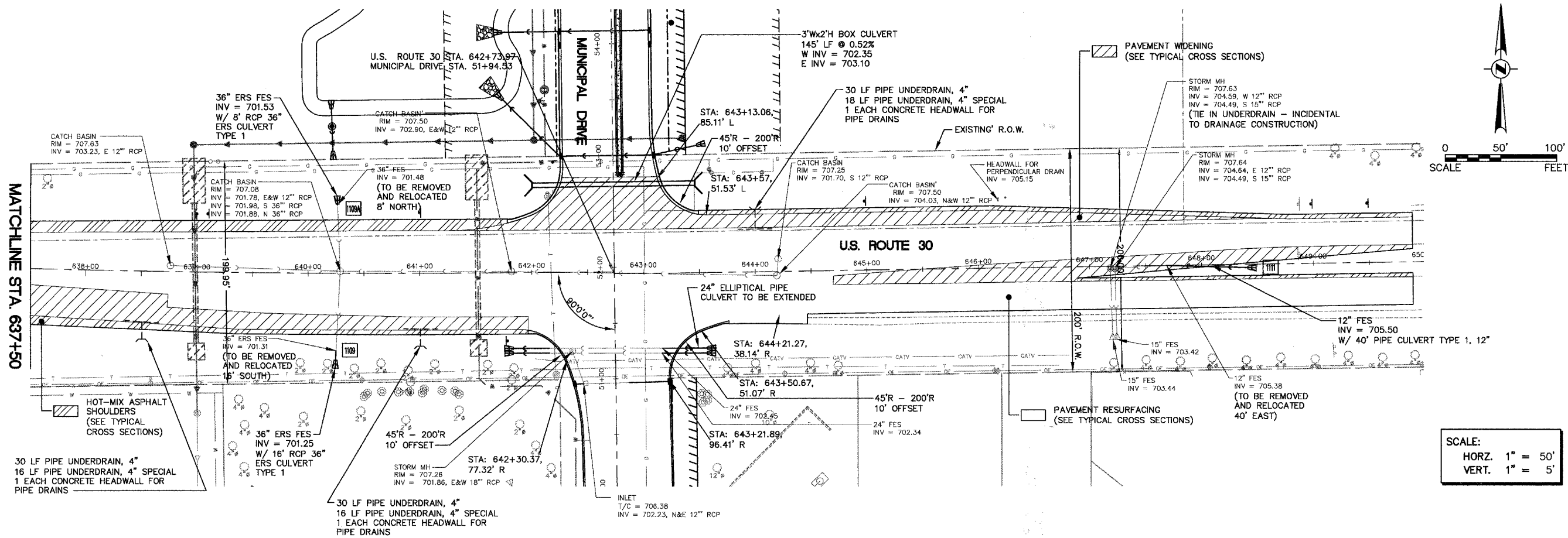


U.S. ROUTE 30 PLAN & PROFILE

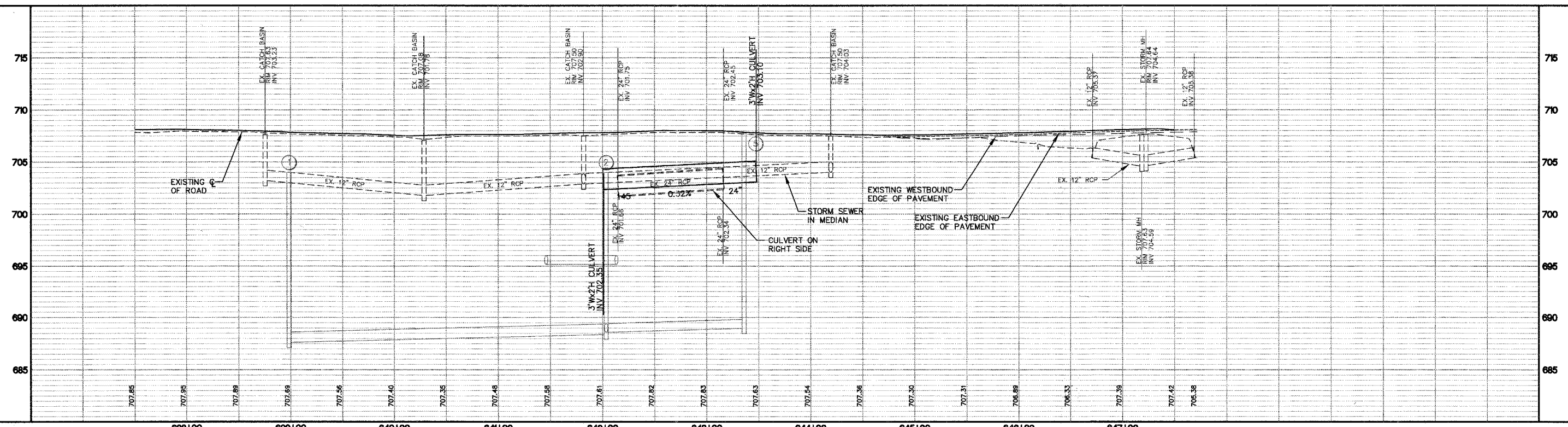


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	57
STA. 637+50		TO STA. 650+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

PLAN	DATE
SURVEYED	
DESIGNED	
CHECKED	
NO. OF WAYS CHECKED	
NO. OF CADD FILE NAME	



PROFILE	DATE
SURVEYED	
DESIGNED	
CHECKED	
NO. OF WAYS CHECKED	
NO. OF STRUCTURE NOTATIONS CHKD	

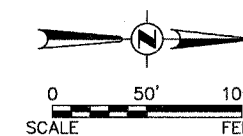
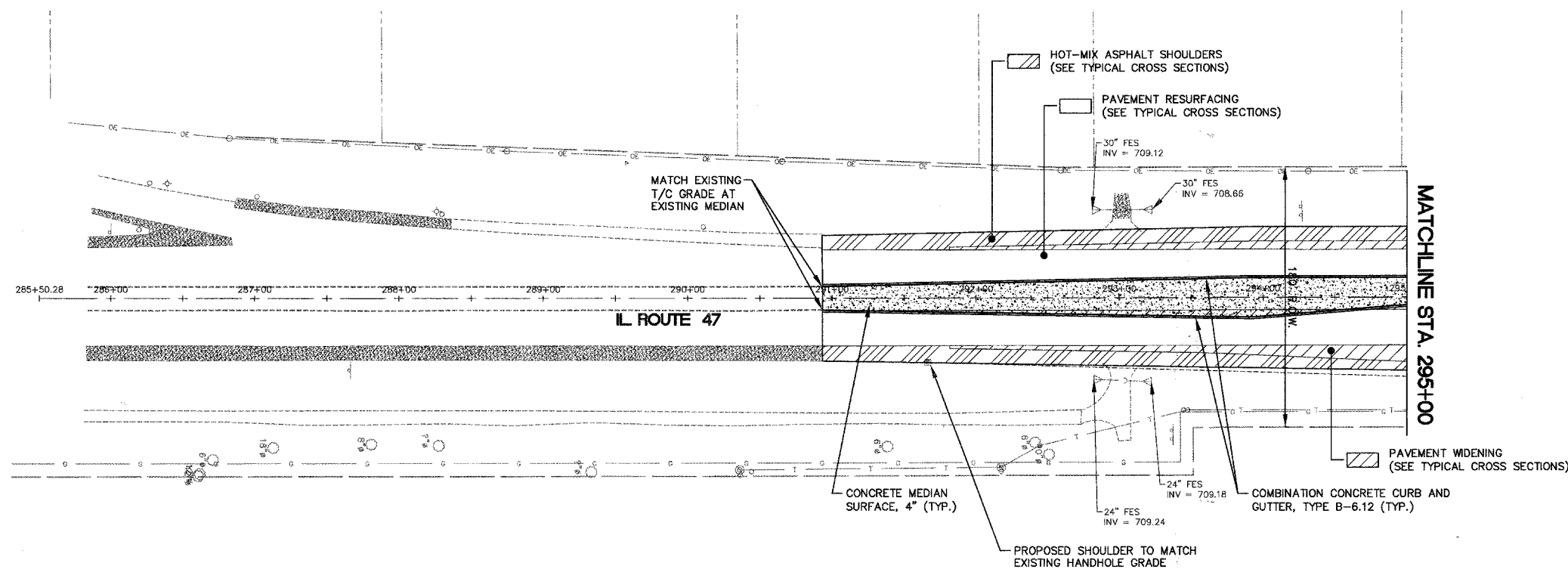


U.S. ROUTE 30 PLAN & PROFILE



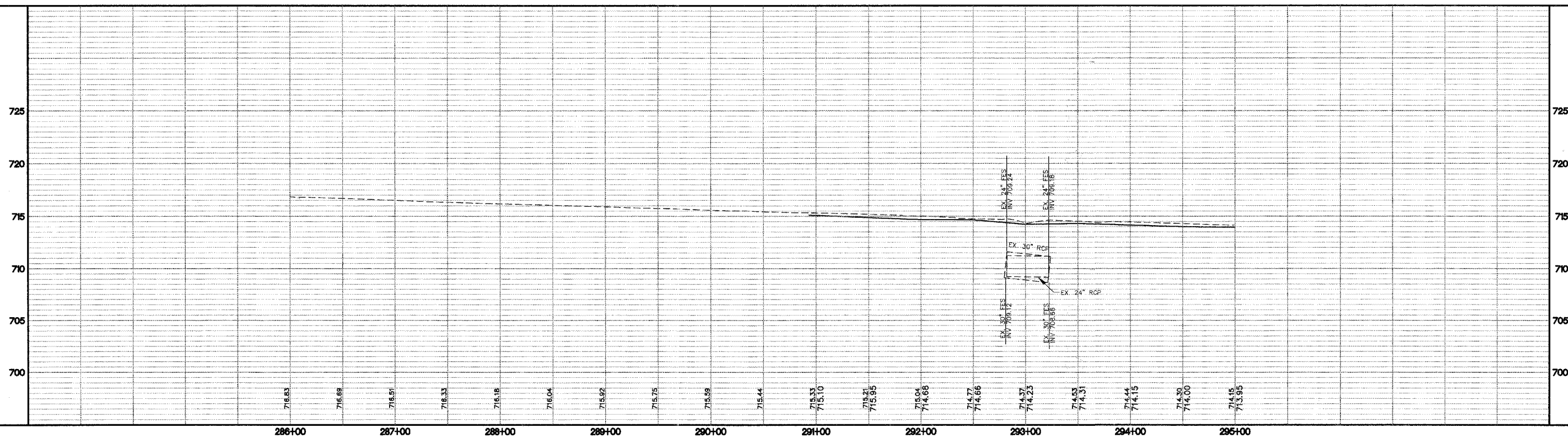
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	58
STA. 286+00		TO STA. 295+00		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
NO. _____	PLOTTED		
	REVISIONS		
	BY		
	DATE		



SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

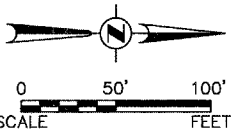
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NO. _____	PLOTTED		
	REVISIONS		
	BY		
	DATE		



ILLINOIS ROUTE 47 PLAN & PROFILE

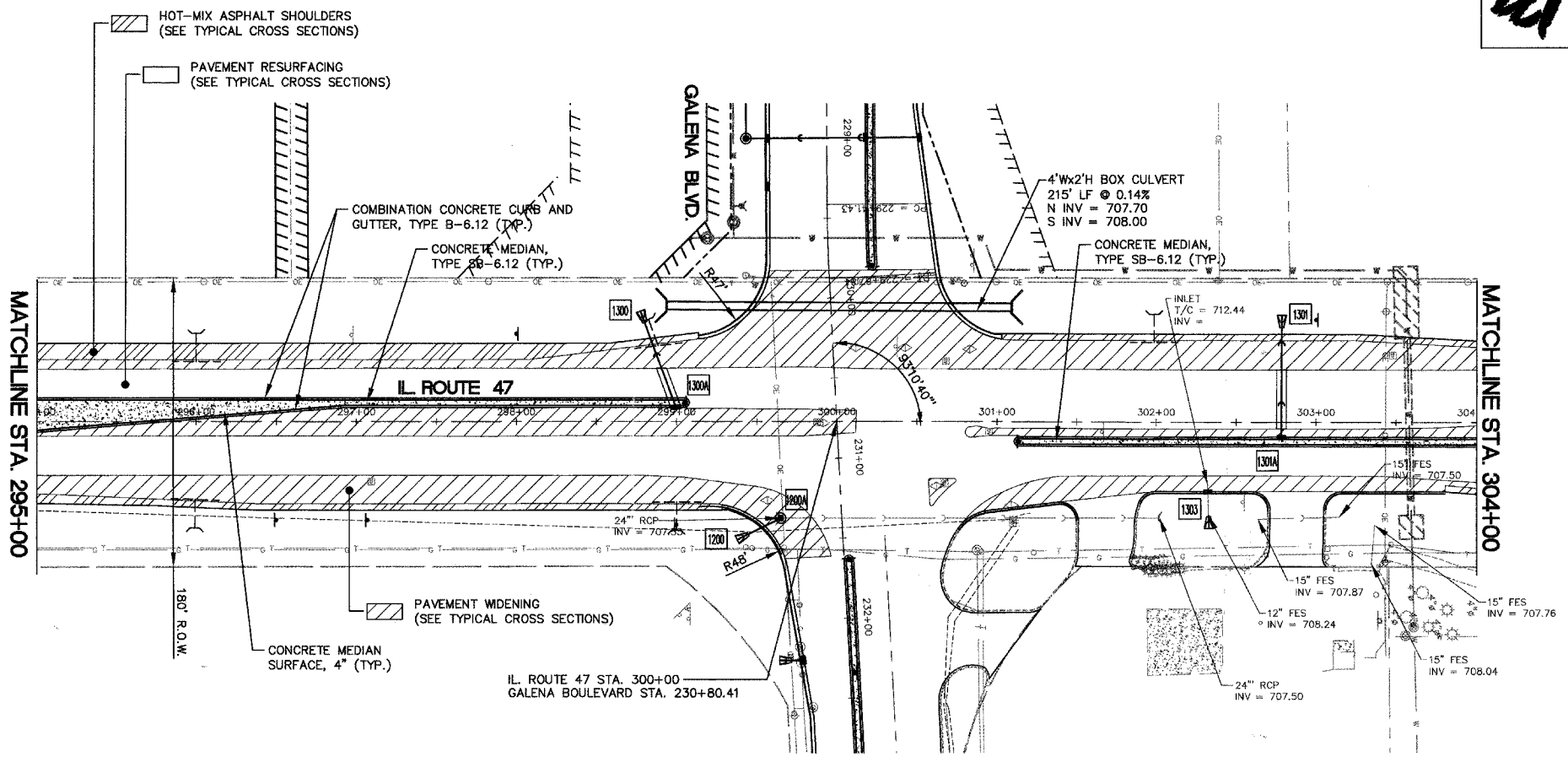


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	59
STA. 295+00		TO STA. 304+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



NOTE:
FOR DETAILED STORM SEWER
INFORMATION SEE STORM
SEWER PLAN SHEETS.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'



MATCHLINE STA. 295+00

MATCHLINE STA. 304+00

IL ROUTE 47 STA. 300+00
GALENA BOULEVARD STA. 230+80.41

PLAN

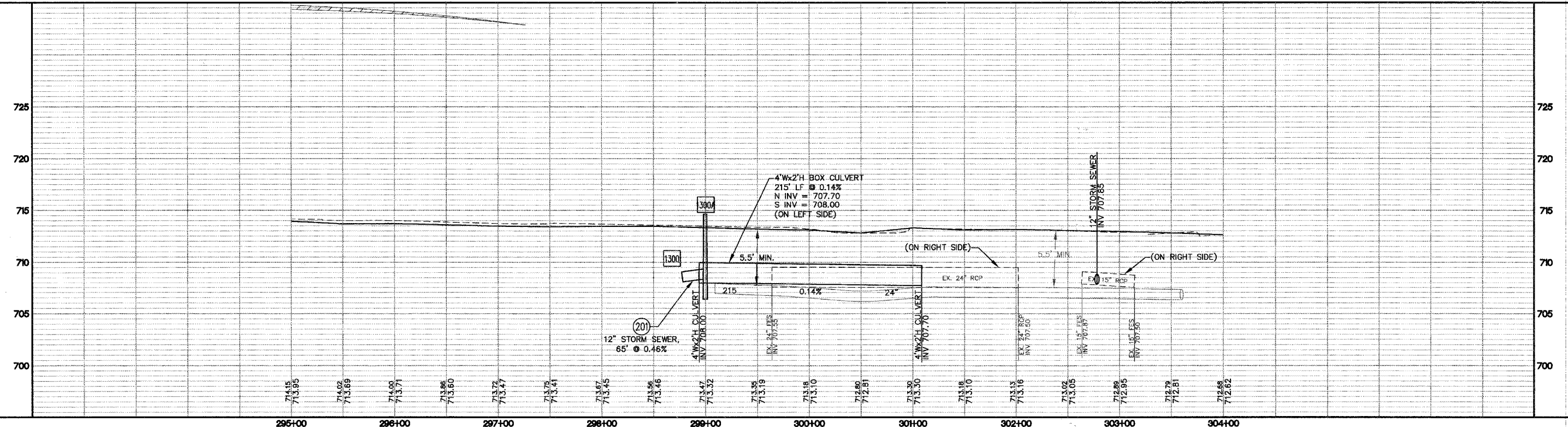
DATE	BY

NO. _____

PROFILE

DATE	BY

NO. _____



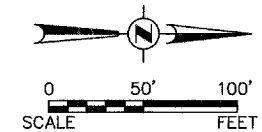
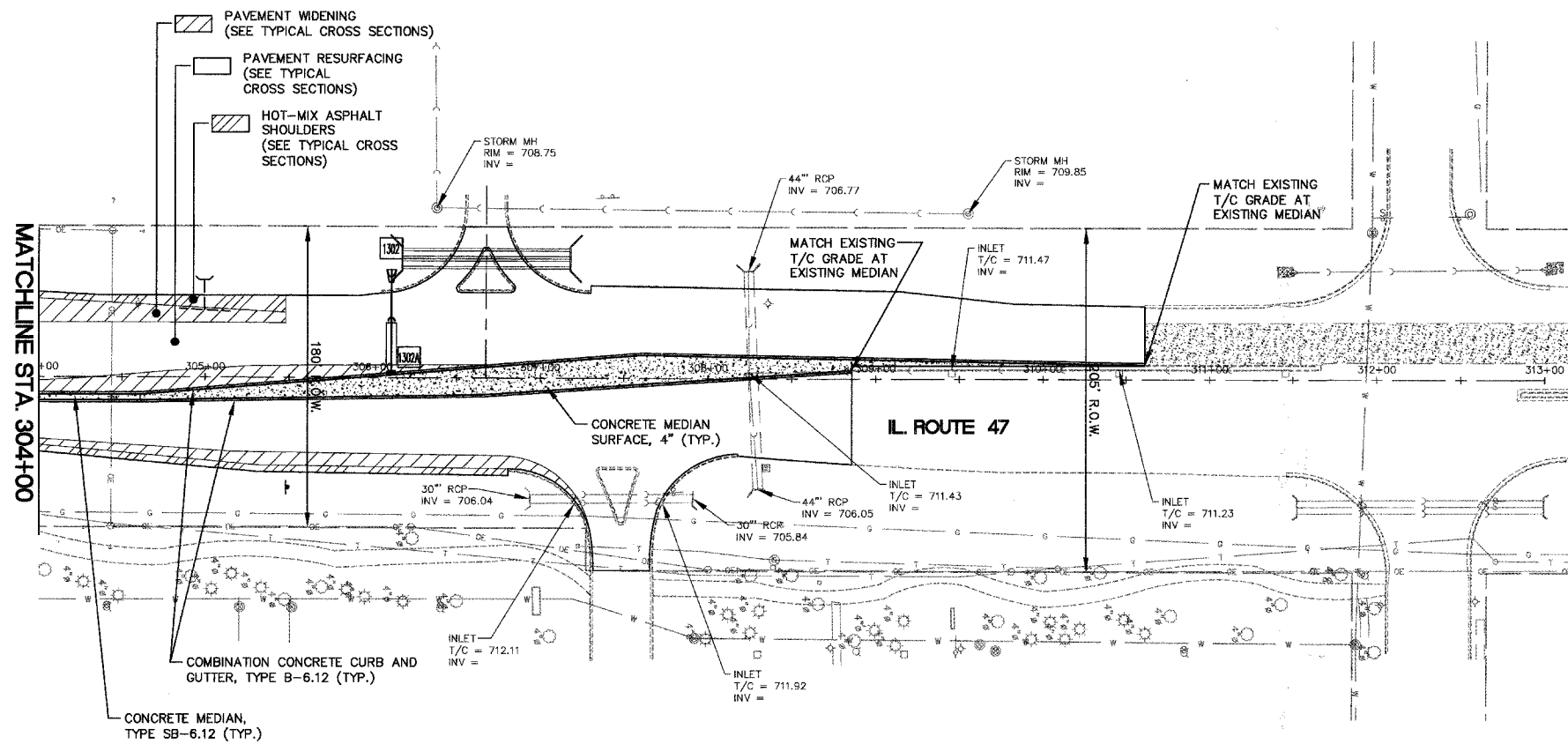
ILLINOIS ROUTE 47 PLAN & PROFILE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	60
STA. 304+00		TO STA. 313+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

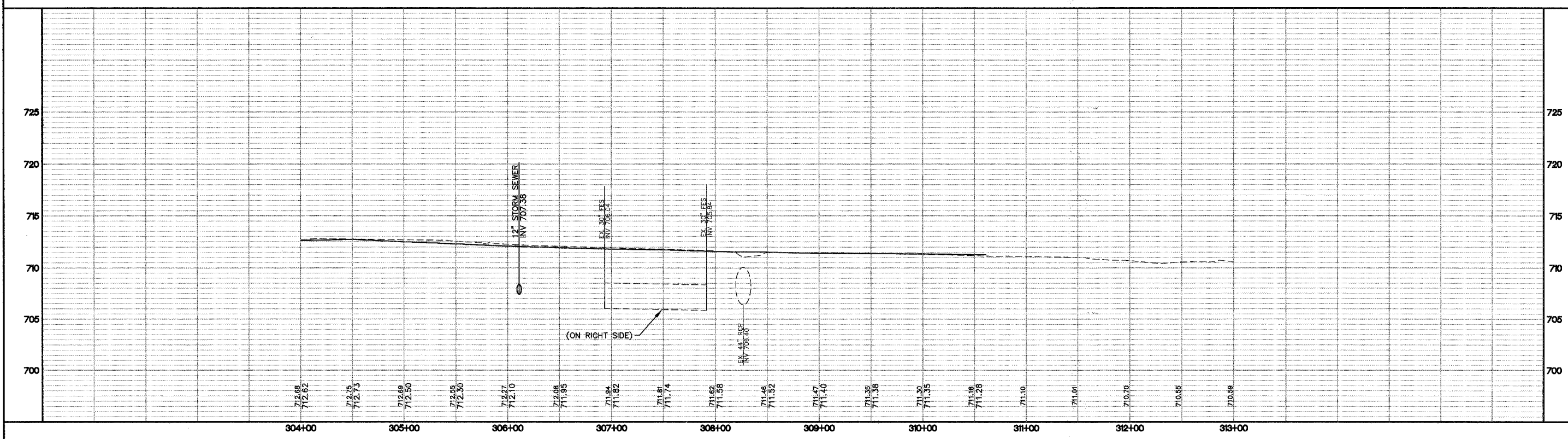
PLAN	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



NOTE: FOR DETAILED STORM SEWER INFORMATION SEE STORM SEWER PLAN SHEETS.

SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'



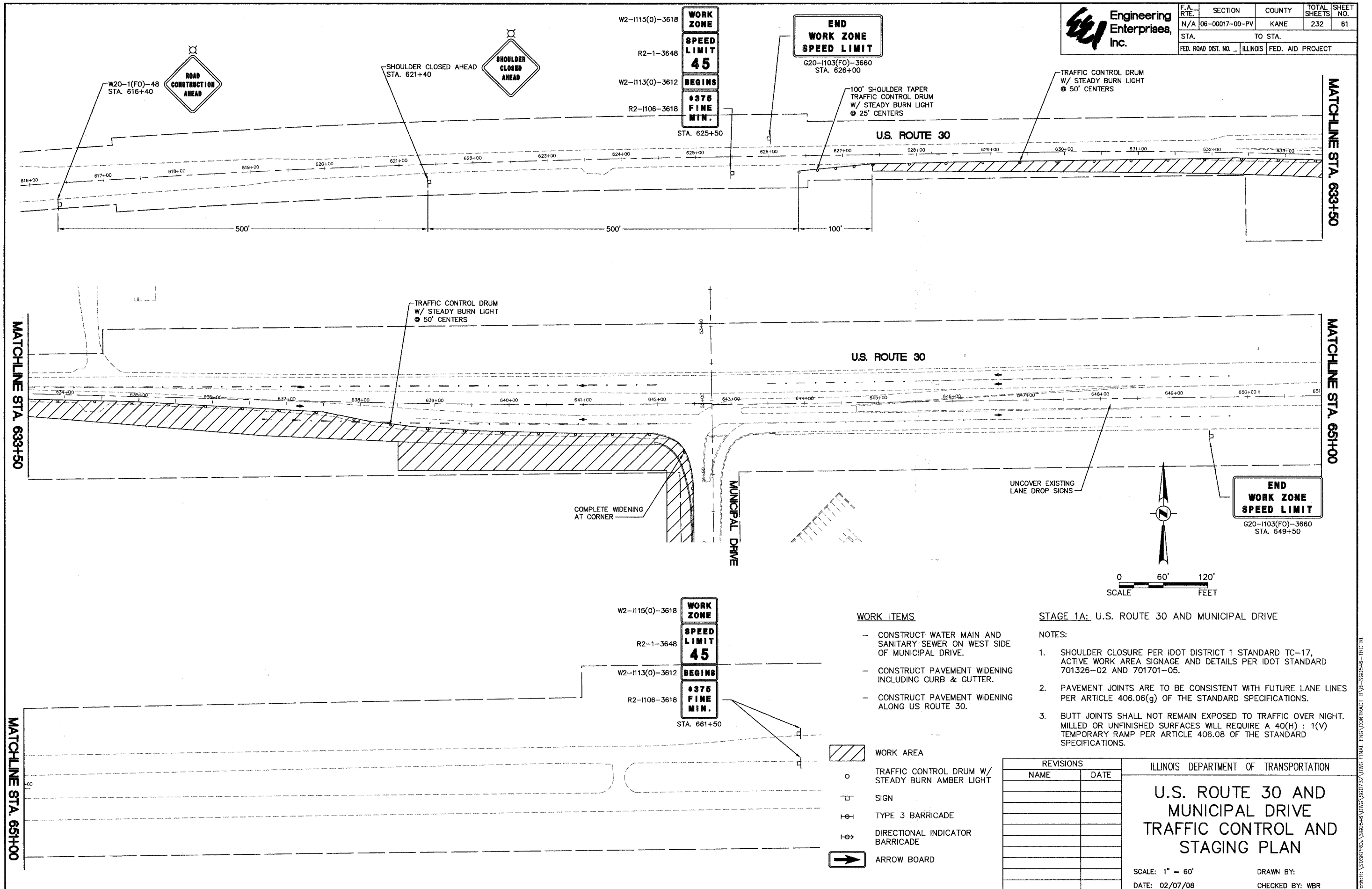
ILLINOIS ROUTE 47 PLAN & PROFILE



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	61
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____		

DATE	BY

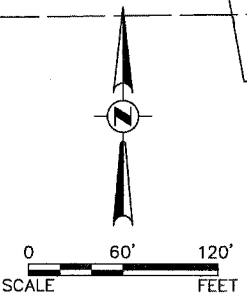
DATE	BY



WORK ZONE
SPEED LIMIT 45
BEGINS
375 FINE MIN.
 STA. 625+50

END WORK ZONE
SPEED LIMIT
 G20-1103(F0)-3660
 STA. 626+00

END WORK ZONE
SPEED LIMIT
 G20-1103(F0)-3660
 STA. 649+50



WORK ITEMS

- CONSTRUCT WATER MAIN AND SANITARY SEWER ON WEST SIDE OF MUNICIPAL DRIVE.
- CONSTRUCT PAVEMENT WIDENING INCLUDING CURB & GUTTER.
- CONSTRUCT PAVEMENT WIDENING ALONG US ROUTE 30.

STAGE 1A: U.S. ROUTE 30 AND MUNICIPAL DRIVE

- NOTES:**
1. SHOULDER CLOSURE PER IDOT DISTRICT 1 STANDARD TC-17, ACTIVE WORK AREA SIGNAGE AND DETAILS PER IDOT STANDARD 701326-02 AND 701701-05.
 2. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
 3. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

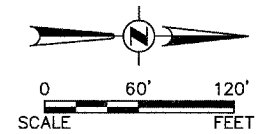
U.S. ROUTE 30 AND MUNICIPAL DRIVE TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
 DATE: 02/07/08

DRAWN BY:
 CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	62
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

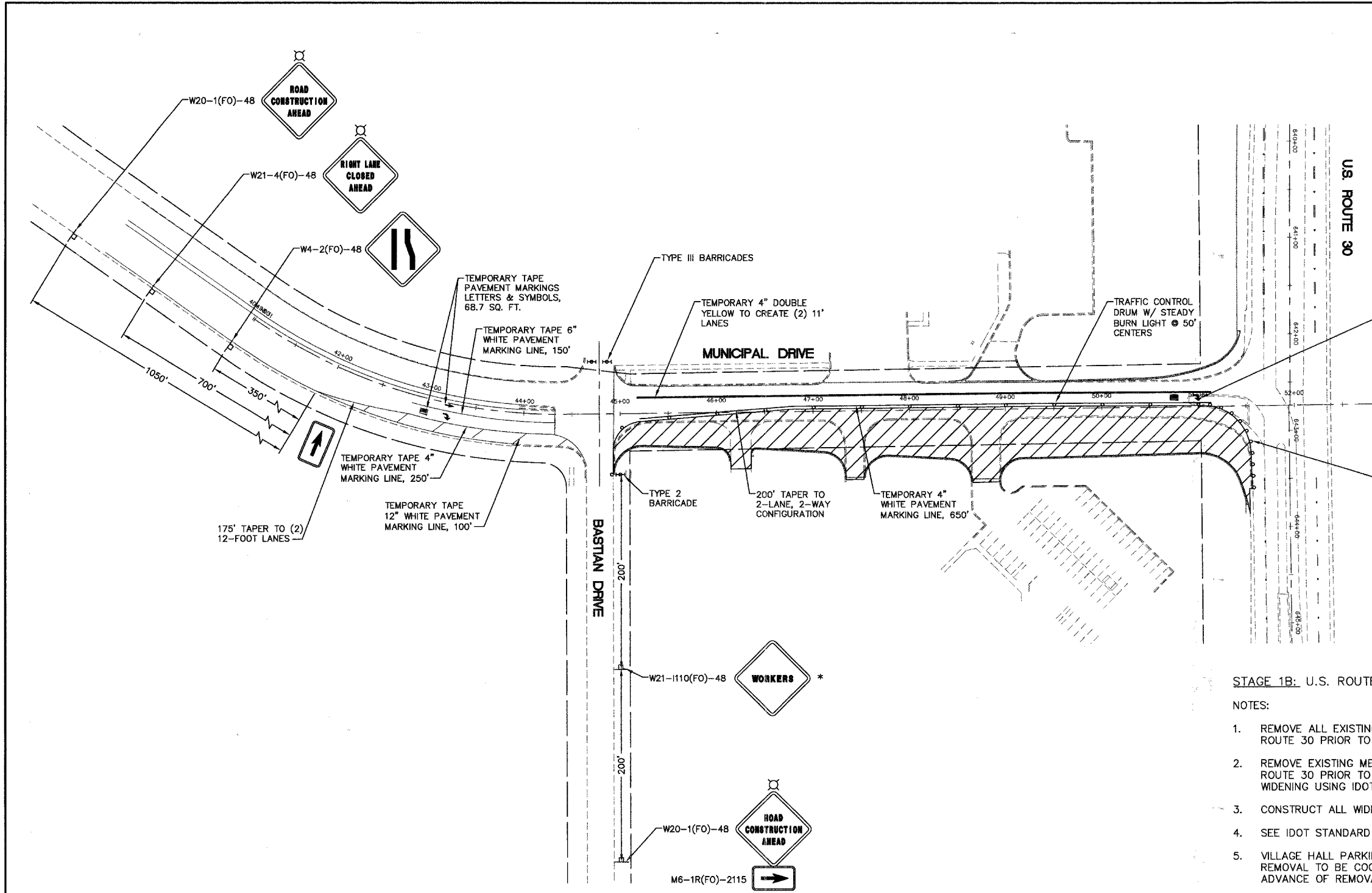
WORK ITEMS

- REMOVE CURB AND GUTTER, TREES, AND OTHER MISCELLANEOUS ITEMS AS SHOWN IN REMOVAL PLAN.
- CONSTRUCT DRAINAGE ITEMS.
- CONSTRUCT PAVEMENT AND WIDENING INCLUDING CURB & GUTTER, STORM SEWER, LIGHTING, AND DRIVEWAYS WITH THE EXCEPTION OF FINAL SURFACE.
- BIKE PATH.

PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	DATE	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	DATE	

Plotted: May 27, 2008 @ 3:59 PM By: Kris Pung - Tab: 62, STAGE 1B (22434)



STAGE 1B: U.S. ROUTE 30 AND MUNICIPAL DRIVE

NOTES:

1. REMOVE ALL EXISTING CONFLICTING PAVEMENT MARKINGS BETWEEN BASTIAN DRIVE AND US ROUTE 30 PRIOR TO STAGE I.
2. REMOVE EXISTING MEDIAN ISLAND AT INTERSECTION OF MUNICIPAL DRIVE AND US ROUTE 30 PRIOR TO STAGE I. REPLACE WITH SAME TYPICAL SECTION AS PAVEMENT WIDENING USING IDOT STANDARD 701701-05.
3. CONSTRUCT ALL WIDENING OPERATIONS ALONG EAST SIDE OF MUNICIPAL DRIVE.
4. SEE IDOT STANDARD 701502-02 FOR STAGE I WIDENING SET-UP, SIGNAGE AND DETAILS.
5. VILLAGE HALL PARKING LOTS TO REMAIN ACCESSIBLE AT ALL TIMES. DRIVEWAY REMOVAL TO BE COORDINATED WITH THE VILLAGE OR ITS REPRESENTATIVES 48 HOURS IN ADVANCE OF REMOVAL OPERATIONS.
6. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
7. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

* WORKERS SIGNS SHALL ONLY BE IN PLACE WHILE WORKERS ARE PRESENT (TYP.)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AND MUNICIPAL DRIVE TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

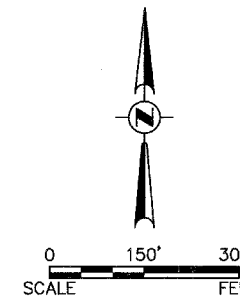
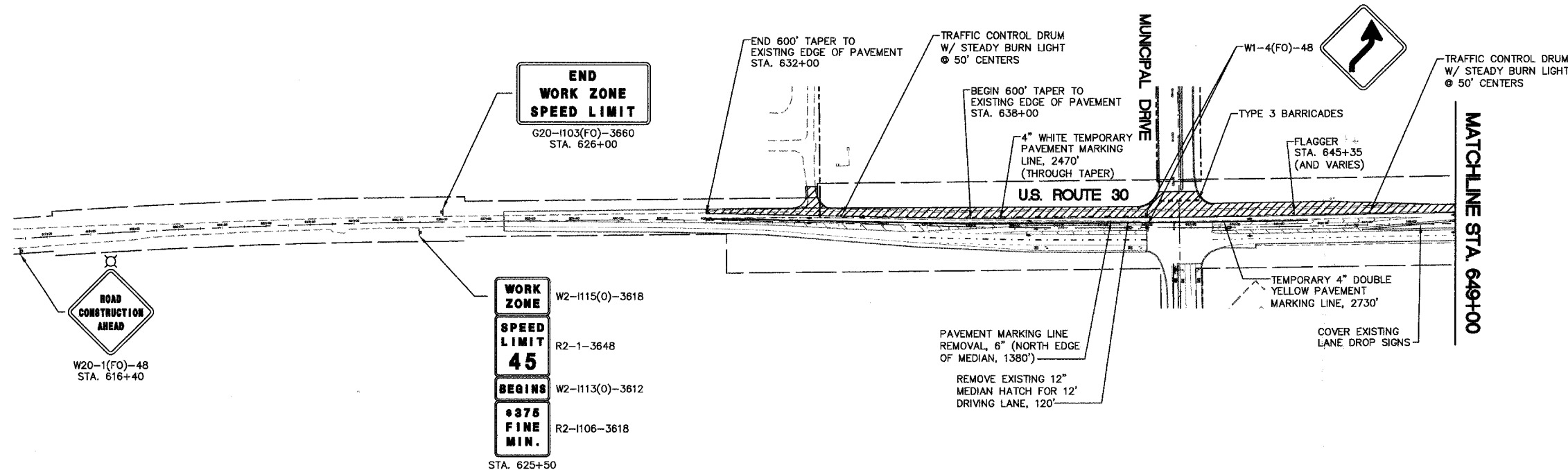
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-0017-00-PV	KANE	232	63
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

PLAN	DATE
SURVEYED _____	BY _____
PLOTTED _____	BY _____
NOTE BOOK _____	NO. _____
NO. _____	CADD FILE NAME _____

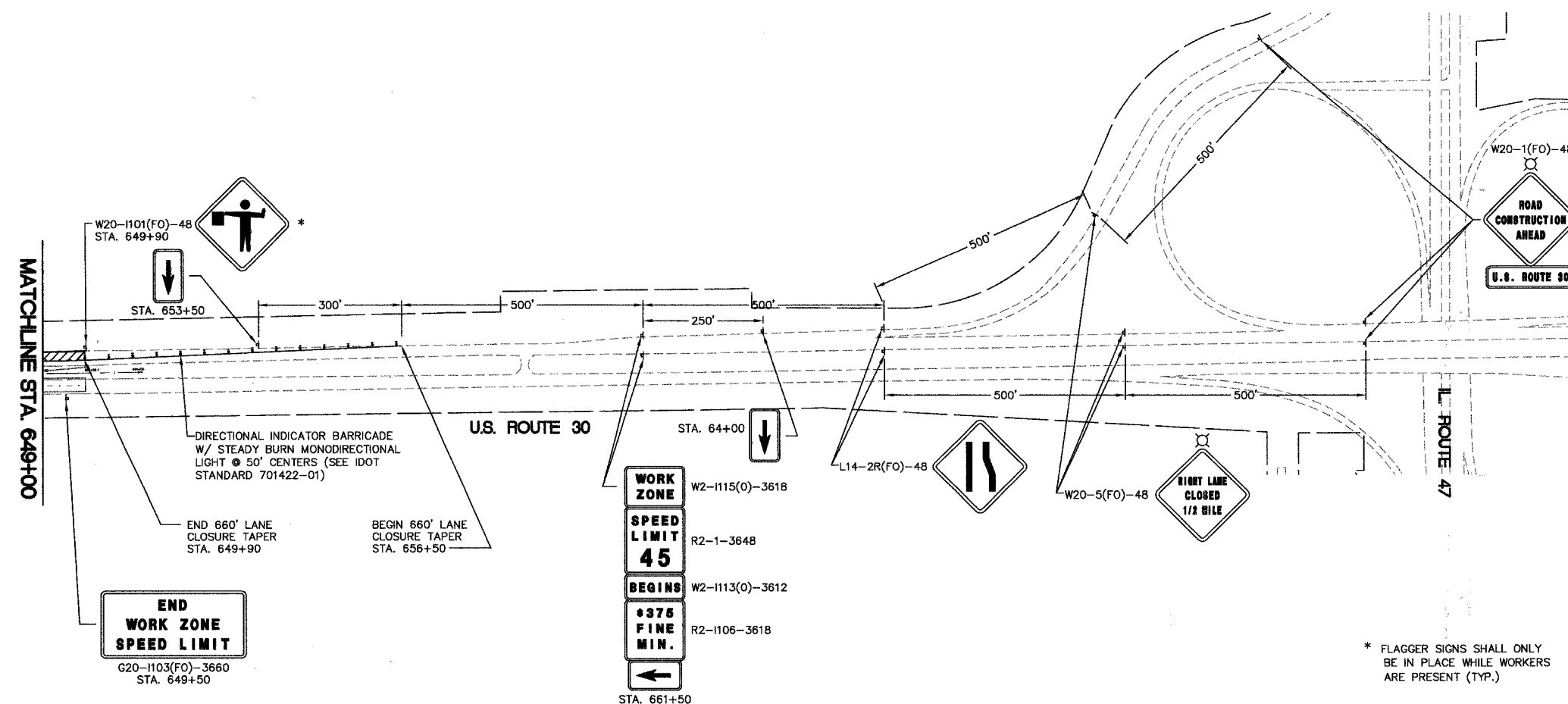
PROFILE	DATE
SURVEYED _____	BY _____
PLOTTED _____	BY _____
NOTE BOOK _____	NO. _____
NO. _____	STRUCTURE NOTATIONS CPFD _____



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

WORK ITEMS

- REMOVE SHOULDER PAVEMENT AND PERFORM SUBGRADE EXCAVATION.
- CONSTRUCT PAVEMENT WIDENING INCLUDING CURB & GUTTER TO RADIUS RETURN WITH THE EXCEPTION OF SURFACE COURSE.
- DRAINAGE, SANITARY & WATER MAIN.



STAGE 2: U.S. ROUTE 30 AND MUNICIPAL DRIVE

NOTES:

1. SEE IDOT STANDARD 701422-01 FOR ADDITIONAL INFORMATION.
2. CHANGEABLE MESSAGE SIGN PLACEMENT WILL BE AT DIRECTION OF THE ENGINEER. MESSAGE SIGN TO REMAIN THROUGH US ROUTE 30 CONSTRUCTION.
3. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
4. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		

U.S. ROUTE 30 AND MUNICIPAL DRIVE TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60' DRAWN BY: _____
 DATE: 02/07/08 CHECKED BY: WBR

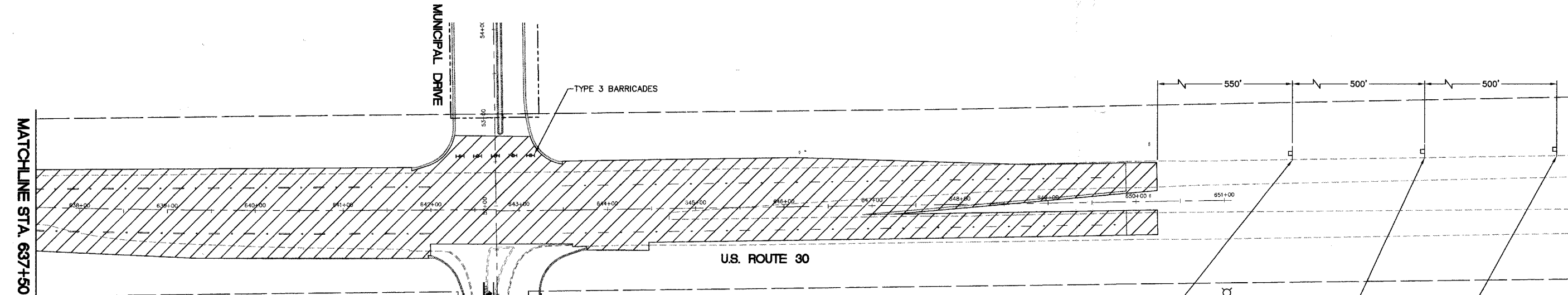
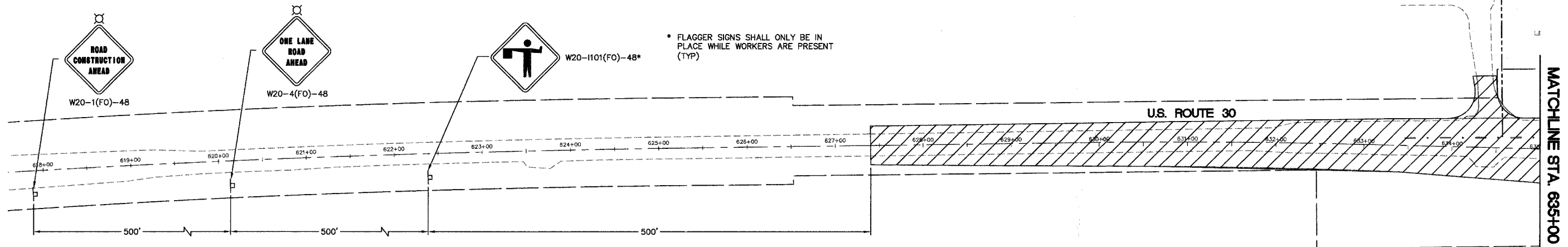
* FLAGGER SIGNS SHALL ONLY BE IN PLACE WHILE WORKERS ARE PRESENT (TYP.)



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	FILED	
	NOTE BOOK NO.	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	FILED	
	NOTE BOOK NO.	
	NO.	



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

- WORK ITEMS**
- MILL AND OVERLAY U.S. ROUTE 30.
 - PERMANENT PAVEMENT MARKINGS.

STAGE 3: U.S. ROUTE 30 AND MUNICIPAL DRIVE

NOTES:

- SEE IDOT STANDARD 701606-05 AND 701306-01-01 FOR DETAILS OF DAYTIME LANE CLOSURES. FLAGGERS WILL BE REQUIRED FOR CONSTRUCTION IN THIS AREA. SEE IDOT STANDARD 701306-01 AND 701606-05 FOR FLAGGER AND SIGNAGE LOCATION
- VILLAGE HALL PARKING AREAS TO REMAIN FULLY ACCESSIBLE DURING WORKING HOURS. FIRE DEPARTMENT DRIVES TO REMAIN FULLY ACCESSIBLE AT ALL TIMES. SURFACE REMOVAL AND PAVING OPERATIONS TO BE COORDINATED WITH THE VILLAGE OR ITS REPRESENTATIVES AT LEAST 48 HOURS IN ADVANCE OF SAID OPERATIONS.
- PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
- BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.
- SWITCH "RIGHT LANE CLOSED 1/2 MILE" SIGNS FROM STAGE 2 TO W20-4(FO)-48 "ONE LANE ROAD AHEAD" SIGN. MAINTAIN "ROAD CONSTRUCTION AHEAD" SIGNS FROM STAGE 2.
- TO BE COMPLETED CONCURRENTLY WITH MUNICIPAL DRIVE OVERLAY / STAGE 3.

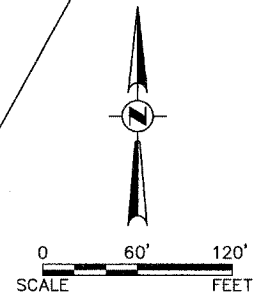
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AND MUNICIPAL DRIVE TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

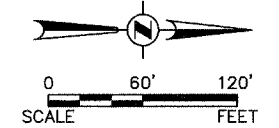




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

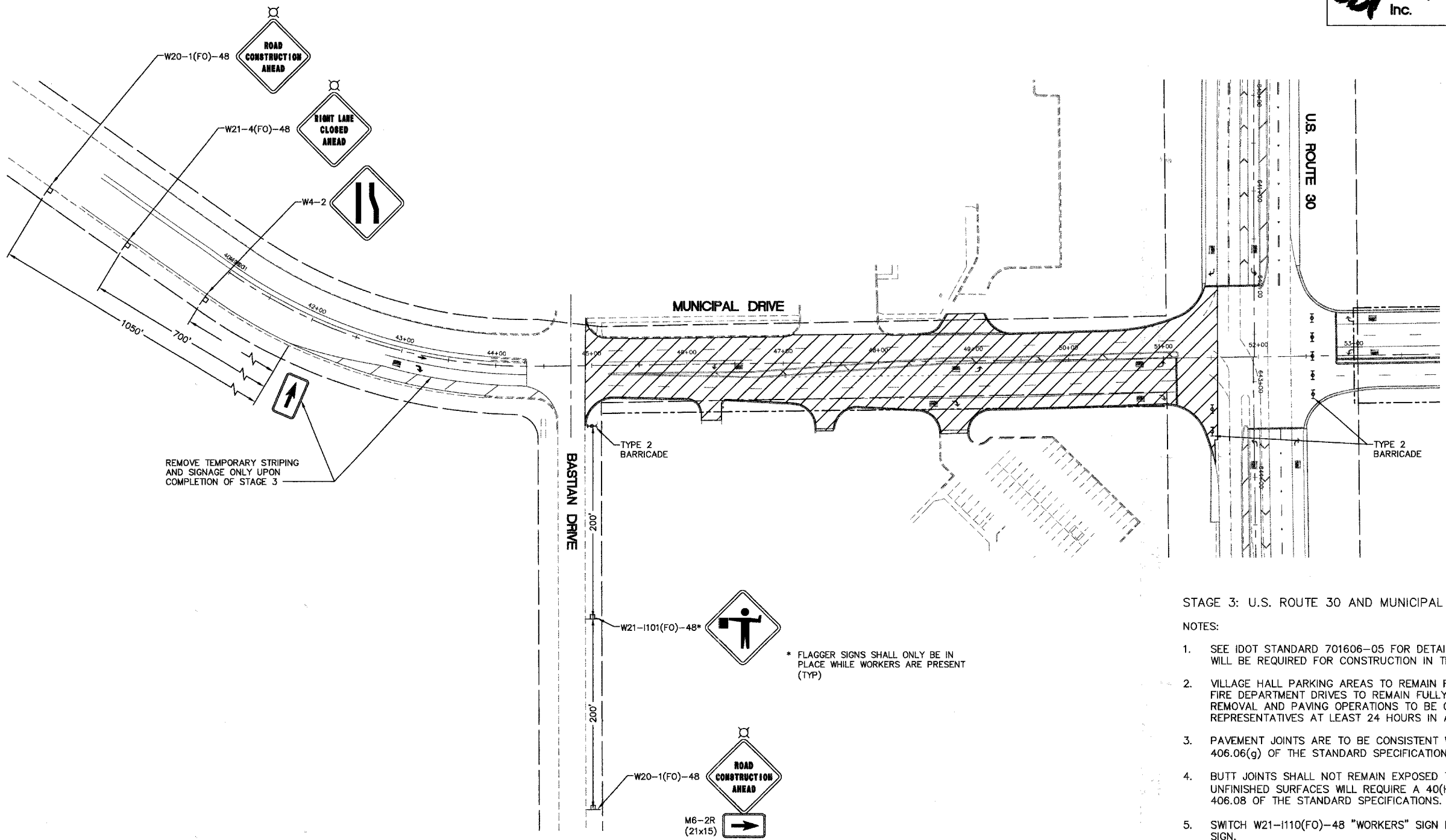
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DATE	BY
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
NO.	
STRUCTURE	
NOTATIONS CHYD	



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

- WORK ITEMS**
- MILL AND OVERLAY MUNICIPAL DRIVE.
 - PERMANENT PAVEMENT MARKINGS.



REMOVE TEMPORARY STRIPING AND SIGNAGE ONLY UPON COMPLETION OF STAGE 3

* FLAGGER SIGNS SHALL ONLY BE IN PLACE WHILE WORKERS ARE PRESENT (TYP)

STAGE 3: U.S. ROUTE 30 AND MUNICIPAL DRIVE

NOTES:

1. SEE IDOT STANDARD 701606-05 FOR DETAILS OF DAYTIME LANE CLOSURES. FLAGGERS WILL BE REQUIRED FOR CONSTRUCTION IN THIS AREA.
2. VILLAGE HALL PARKING AREAS TO REMAIN FULLY ACCESSIBLE DURING WORKING HOURS. FIRE DEPARTMENT DRIVES TO REMAIN FULLY ACCESSIBLE AT ALL TIMES. SURFACE REMOVAL AND PAVING OPERATIONS TO BE COORDINATED WITH THE VILLAGE OR ITS REPRESENTATIVES AT LEAST 24 HOURS IN ADVANCE OF SAID OPERATIONS.
3. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
4. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.
5. SWITCH W21-1110(FO)-48 "WORKERS" SIGN FROM STAGE 1 TO W20-1101(FO)-48 "FLAGGER" SIGN.
6. TO BE COMPLETED CONCURRENTLY WITH US ROUTE 30 OVERLAY / STAGE 3.
7. MUNICIPAL DRIVE STAGE 3 TRAFFIC CONTROL AND PROTECTION IS FOR FINAL RESURFACING AND PAVEMENT MARKINGS TO BE COMPLETED WITH U.S. ROUTE 30 STAGE 3 TRAFFIC CONTROL AND PROTECTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 30 AND MUNICIPAL DRIVE TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

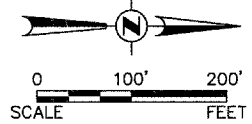
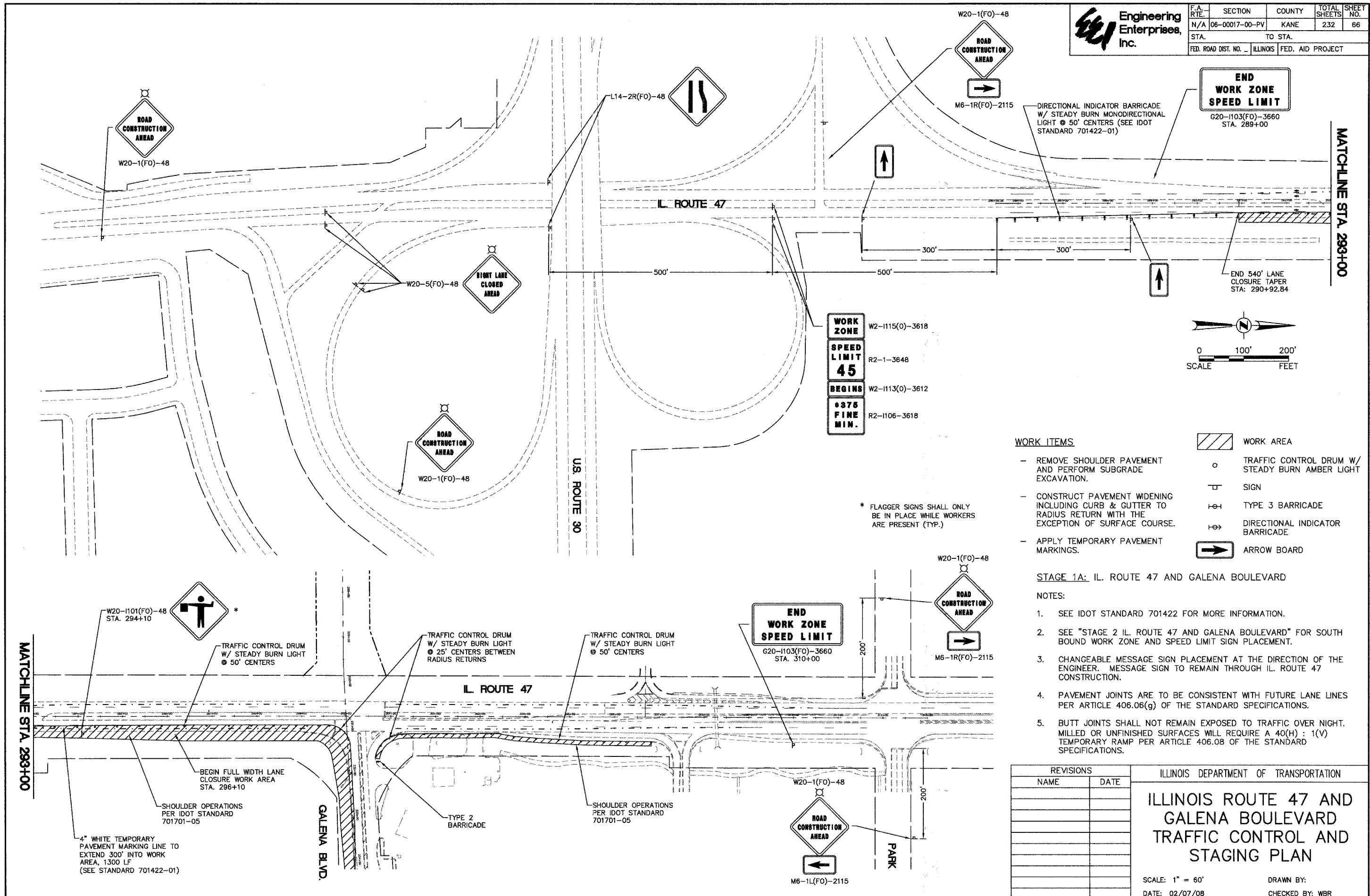
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CHECKED BY: WBR

Engineering Enterprises, Inc.

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

PLAN	DATE
BY	
REVISIONS	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
REVISIONS	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	



WORK ITEMS

- REMOVE SHOULDER PAVEMENT AND PERFORM SUBGRADE EXCAVATION.
 - CONSTRUCT PAVEMENT WIDENING INCLUDING CURB & GUTTER TO RADIUS RETURN WITH THE EXCEPTION OF SURFACE COURSE.
 - APPLY TEMPORARY PAVEMENT MARKINGS.
- WORK AREA
 - TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
 - SIGN
 - TYPE 3 BARRICADE
 - DIRECTIONAL INDICATOR BARRICADE
 - ARROW BOARD

STAGE 1A: IL. ROUTE 47 AND GALENA BOULEVARD

- NOTES:**
- SEE IDOT STANDARD 701422 FOR MORE INFORMATION.
 - SEE "STAGE 2 IL. ROUTE 47 AND GALENA BOULEVARD" FOR SOUTH BOUND WORK ZONE AND SPEED LIMIT SIGN PLACEMENT.
 - CHANGEABLE MESSAGE SIGN PLACEMENT AT THE DIRECTION OF THE ENGINEER. MESSAGE SIGN TO REMAIN THROUGH IL. ROUTE 47 CONSTRUCTION.
 - PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
 - BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

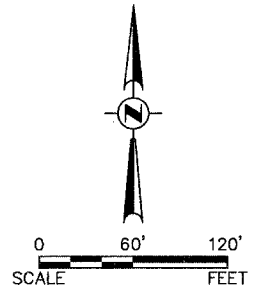
ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

WORK ITEMS

- REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS. APPLY TEMPORARY PAVEMENT MARKINGS.
- REMOVE SHOULDER PAVEMENT AND PERFORM SUBGRADE EXCAVATION.
- CONSTRUCT PAVEMENT WIDENING INCLUDING CURB & GUTTER WITH THE EXCEPTION OF SURFACE COURSE.
- CONSTRUCT MEDIAN ON GALENA BOULEVARD.

STAGE 1B: IL. ROUTE 47 AND GALENA BOULEVARD

NOTES:

1. SEE IDOT STANDARD 701326 FOR MORE INFORMATION.
2. CHANGEABLE MESSAGE SIGN PLACEMENT WILL BE AT THE DIRECTION OF THE ENGINEER. MESSAGE SIGN TO REMAIN THROUGH IL. ROUTE 47 CONSTRUCTION.
3. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
5. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.
5. TO BE COMPLETED CONCURRENTLY WITH STAGE V IL. ROUTE 47.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

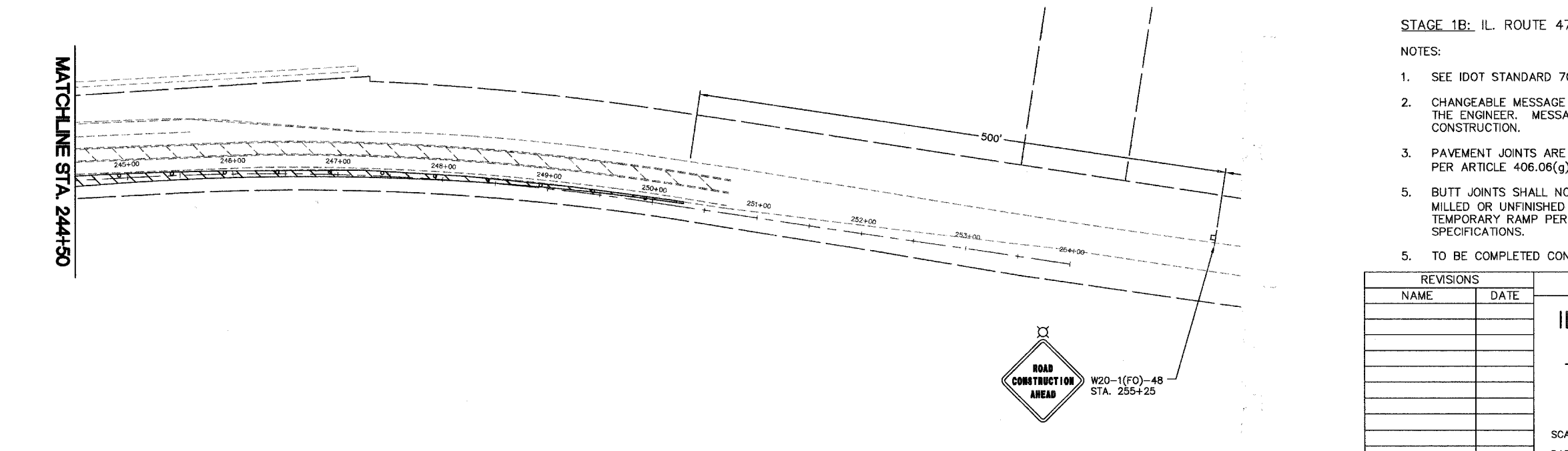
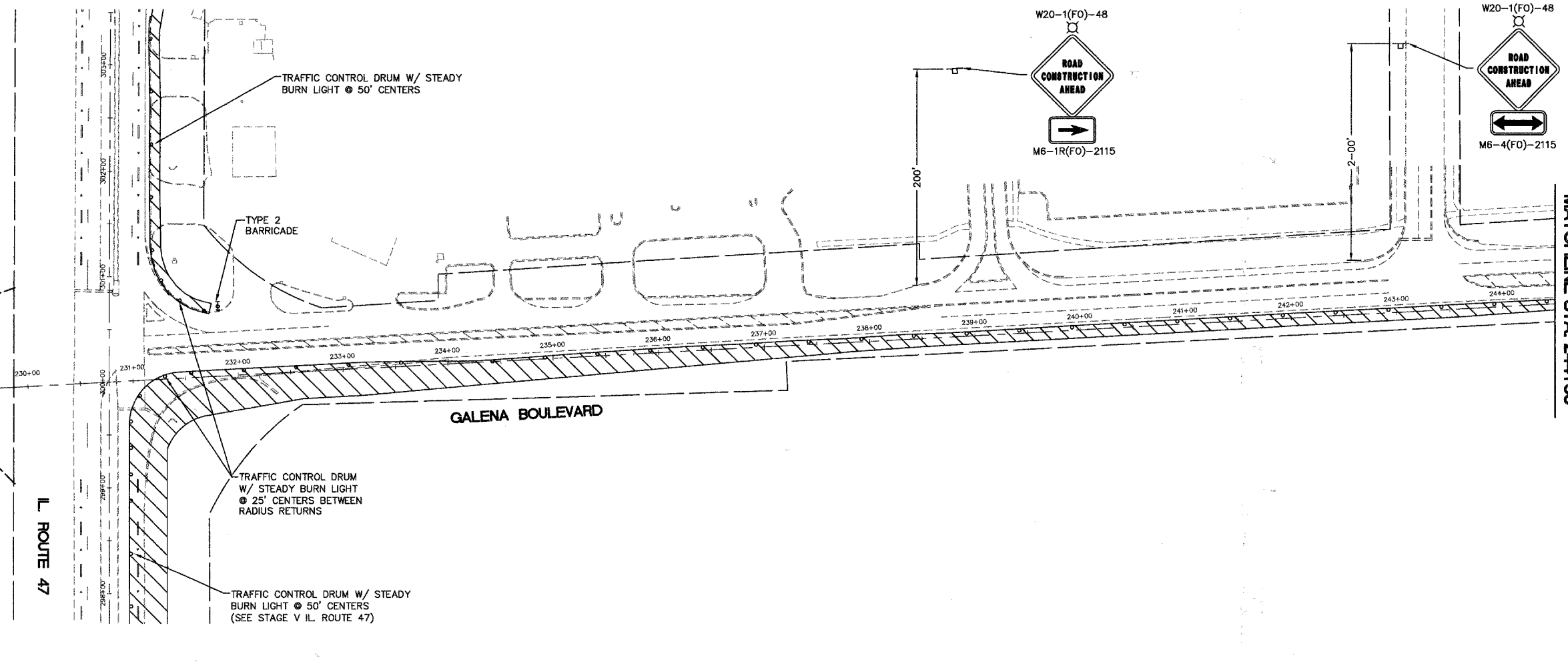
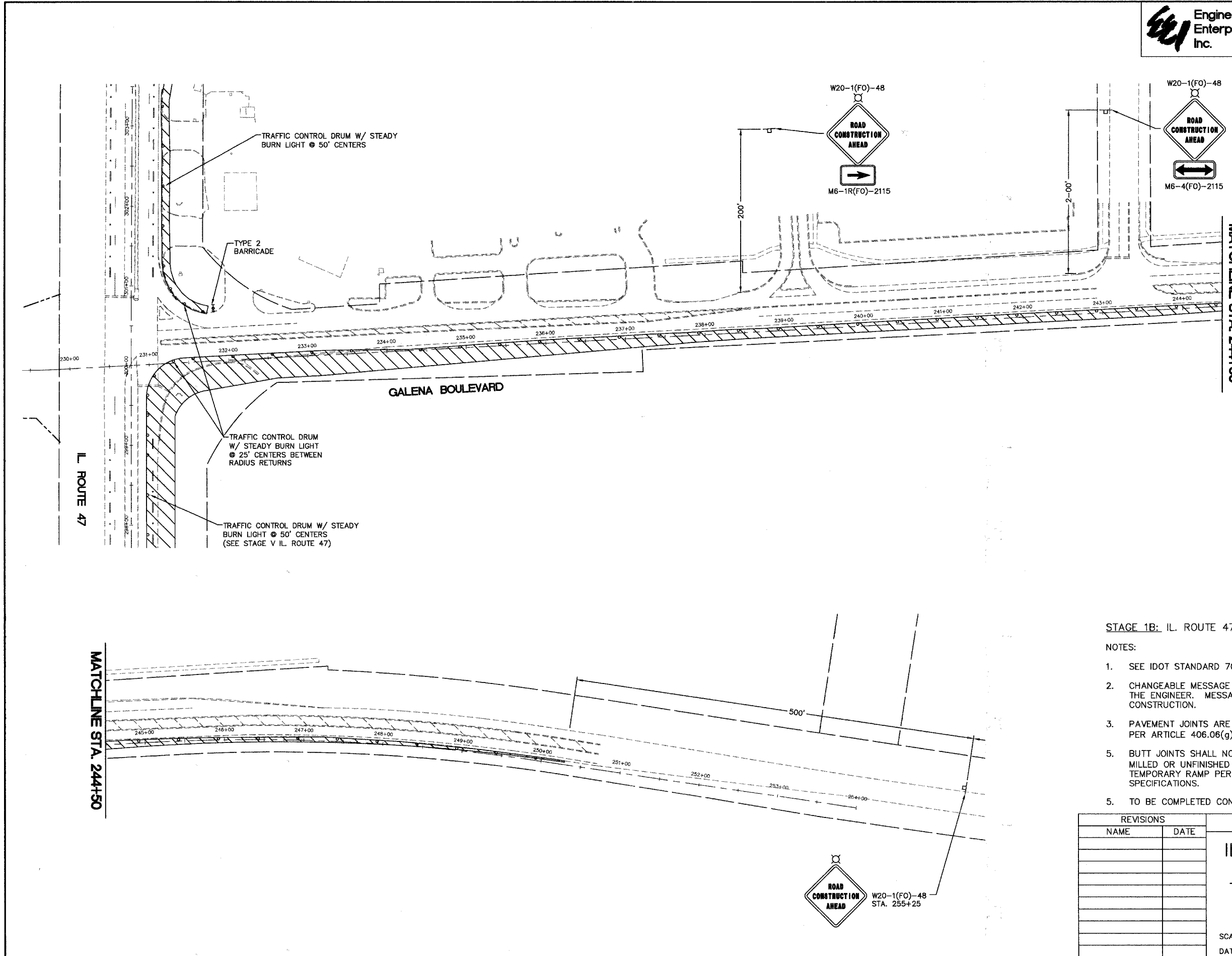
ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

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PROFILE	DATE	BY

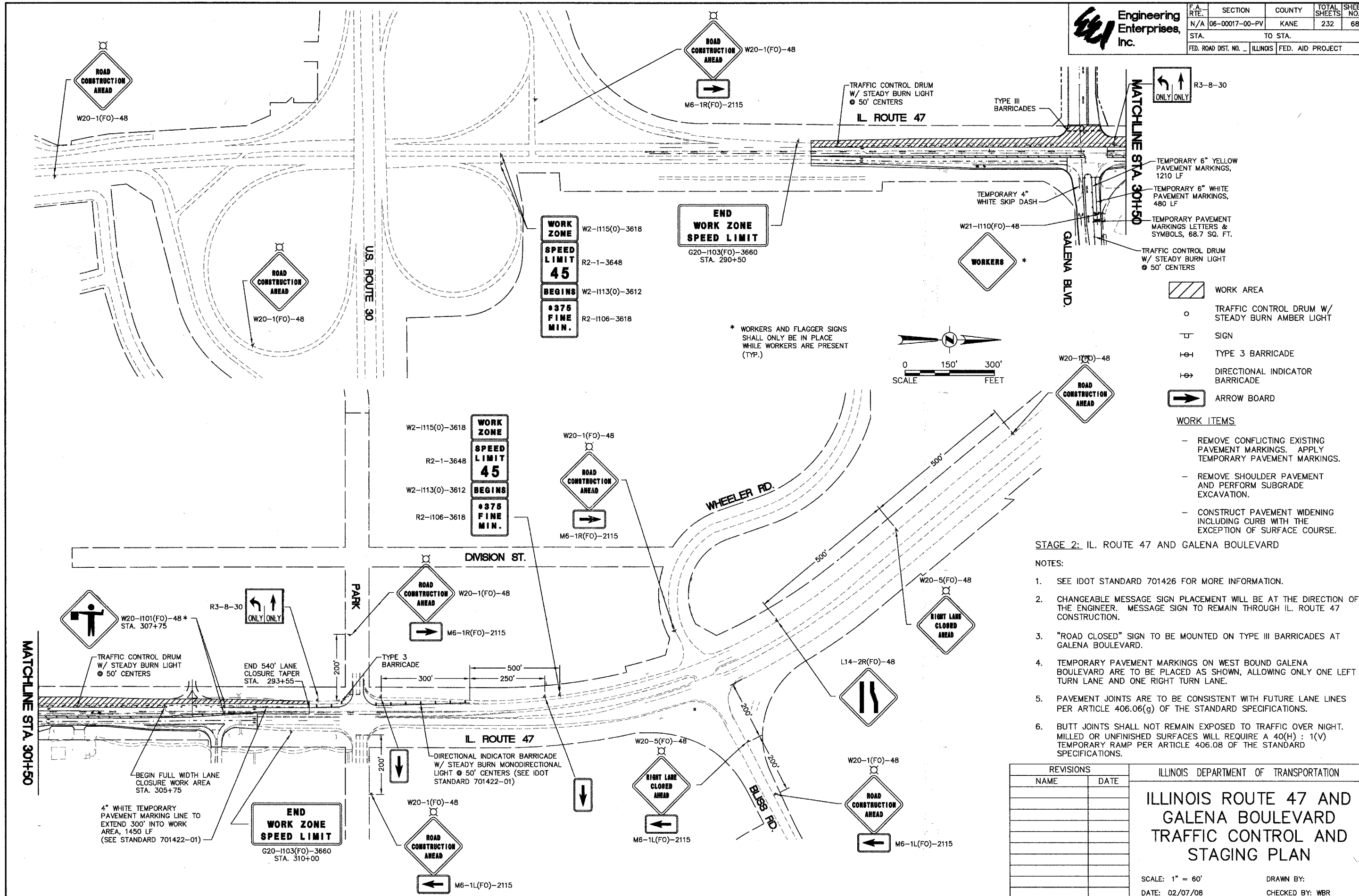


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F.A. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A 06-00017-00-PV	KANE	232	68
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

DATE	BY

DATE	BY



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

- WORK ITEMS**
- REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS. APPLY TEMPORARY PAVEMENT MARKINGS.
 - REMOVE SHOULDER PAVEMENT AND PERFORM SUBGRADE EXCAVATION.
 - CONSTRUCT PAVEMENT WIDENING INCLUDING CURB WITH THE EXCEPTION OF SURFACE COURSE.

- STAGE 2: IL. ROUTE 47 AND GALENA BOULEVARD**
- NOTES:**
1. SEE IDOT STANDARD 701426 FOR MORE INFORMATION.
 2. CHANGEABLE MESSAGE SIGN PLACEMENT WILL BE AT THE DIRECTION OF THE ENGINEER. MESSAGE SIGN TO REMAIN THROUGH IL. ROUTE 47 CONSTRUCTION.
 3. "ROAD CLOSED" SIGN TO BE MOUNTED ON TYPE III BARRICADES AT GALENA BOULEVARD.
 4. TEMPORARY PAVEMENT MARKINGS ON WEST BOUND GALENA BOULEVARD ARE TO BE PLACED AS SHOWN, ALLOWING ONLY ONE LEFT TURN LANE AND ONE RIGHT TURN LANE.
 5. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
 6. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

Plotted: May 27, 2008 @ 4:04 PM By: Kris Puring - Tab: 6B STAGE 2 (22x34)

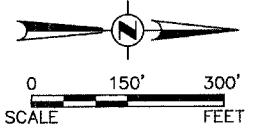
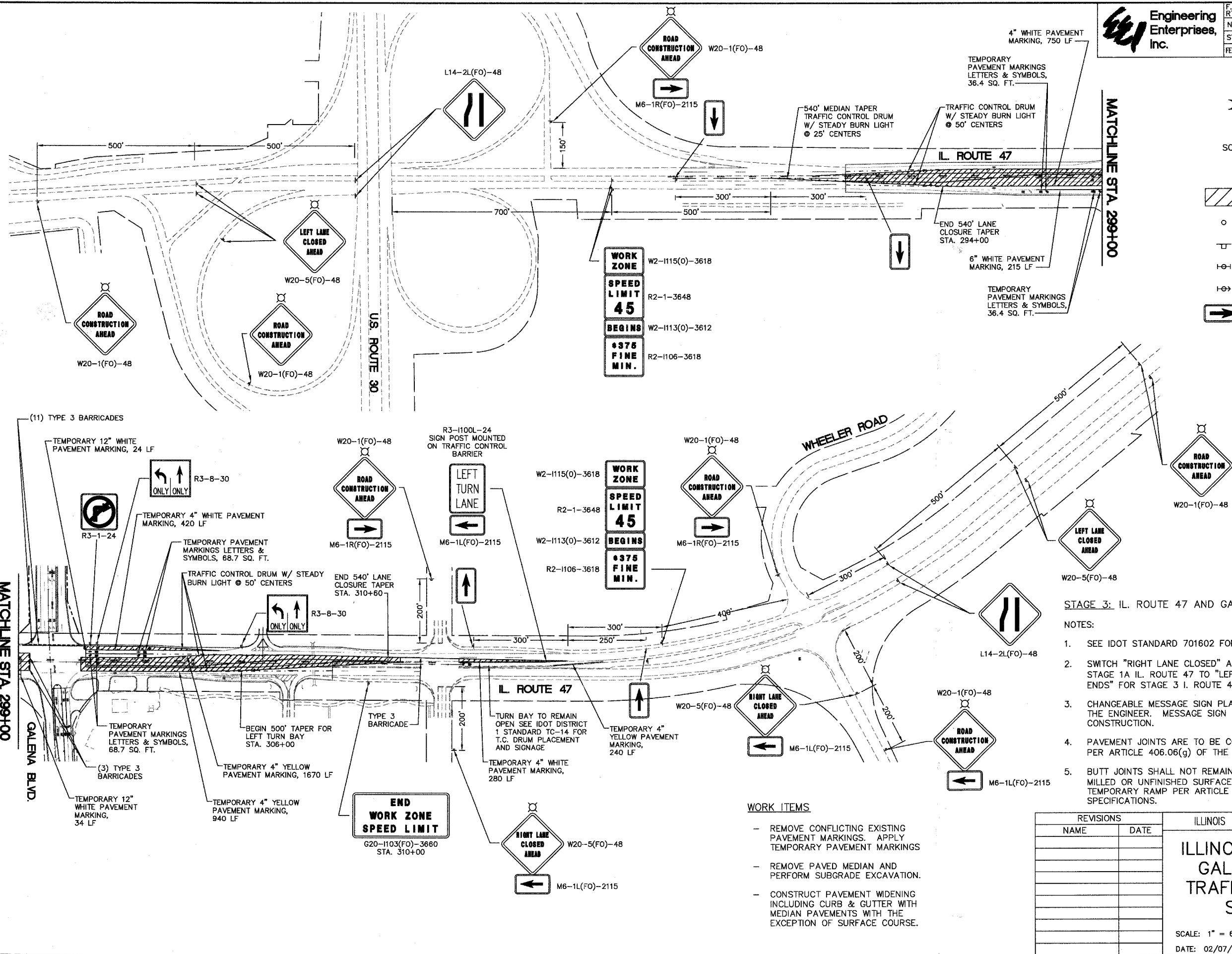
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Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	DATE
SURVEYED	BY
ALIGNED	
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PAID FILE NAME	
NO.	

PROFILE	DATE
SURVEYED	BY
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NOTED	
STRUCTURE NOTATIONS	
NO.	



- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

- STAGE 3: IL. ROUTE 47 AND GALENA BOULEVARD**
- NOTES:
- SEE IDOT STANDARD 701602 FOR MORE INFORMATION.
 - SWITCH "RIGHT LANE CLOSED" AND "RIGHT LANE ENDS" SIGNS FROM STAGE 1A IL. ROUTE 47 TO "LEFT LANE CLOSED" AND "LEFT LANE ENDS" FOR STAGE 3 I. ROUTE 47.
 - CHANGEABLE MESSAGE SIGN PLACEMENT WILL BE AT THE DIRECTION OF THE ENGINEER. MESSAGE SIGN TO REMAIN THROUGH IL. ROUTE 47 CONSTRUCTION.
 - PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
 - BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.

- WORK ITEMS**
- REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS. APPLY TEMPORARY PAVEMENT MARKINGS
 - REMOVE PAVED MEDIAN AND PERFORM SUBGRADE EXCAVATION.
 - CONSTRUCT PAVEMENT WIDENING INCLUDING CURB & GUTTER WITH MEDIAN PAVEMENTS WITH THE EXCEPTION OF SURFACE COURSE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'

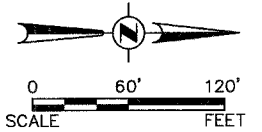
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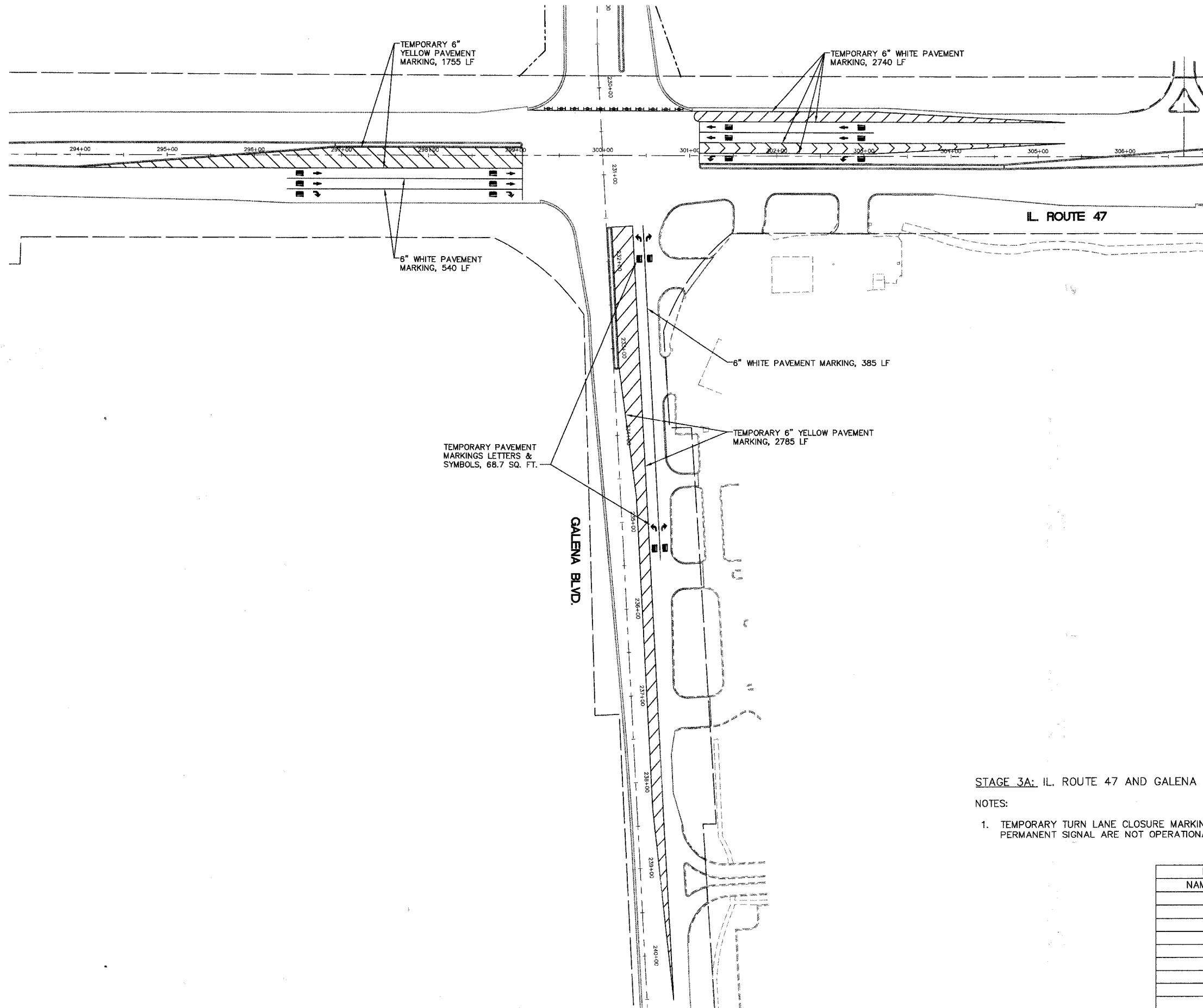


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STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		



PLAN	SURVEYED	DATE
NOTE BOOK NO.	BY	
	ALIGNED	
	GRADES CHECKED	
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	STRUCTURE NOTATIONS CRVD	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	BY	
	ALIGNED	
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CRVD	



STAGE 3A: IL. ROUTE 47 AND GALENA BOULEVARD

WORK ITEMS

NOTES:

- TEMPORARY TURN LANE CLOSURE MARKING TO BE USED ONLY IF PERMANENT SIGNAL ARE NOT OPERATIONAL.

- REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS. APPLY TEMPORARY PAVEMENT MARKINGS

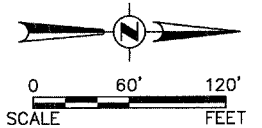
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 47 AND
GALENA BOULEVARD
TRAFFIC CONTROL AND
STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08
DRAWN BY:
CHECKED BY: WBR

Engineering Enterprises, Inc.

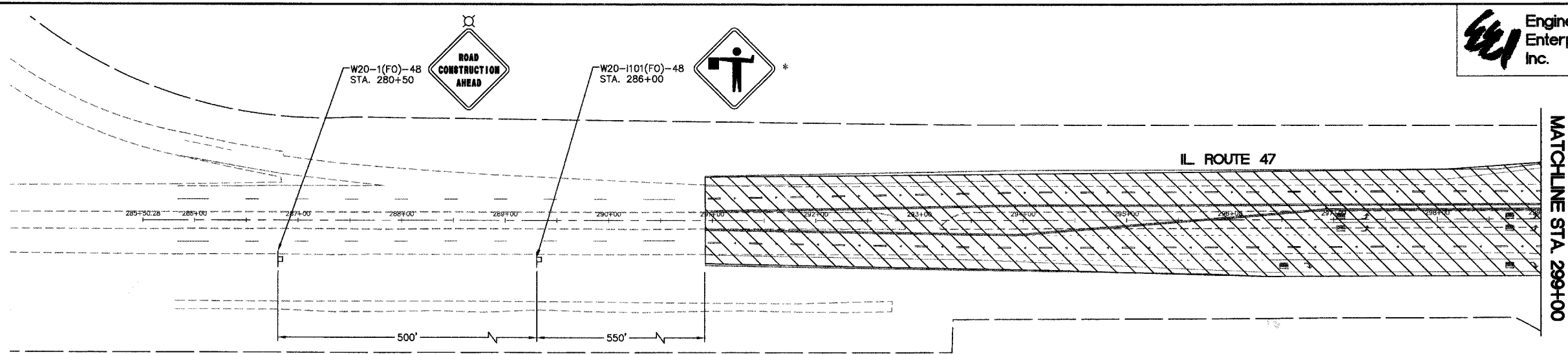
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



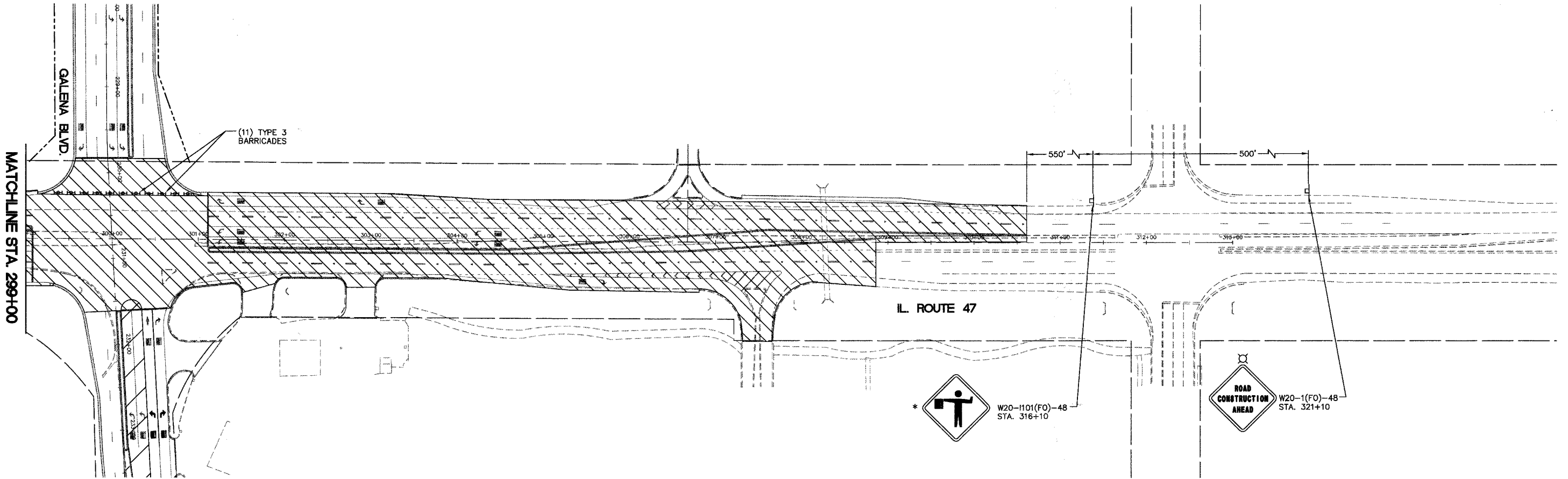
- WORK AREA
- TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT
- SIGN
- TYPE 3 BARRICADE
- DIRECTIONAL INDICATOR BARRICADE
- ARROW BOARD

PLAN	SURVEYED	DATE
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	RT. OF WAY CHECKED	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	STRUCTURE NOTATION CHECKED	
	NO.	



* FLAGGER SIGNS SHALL ONLY BE IN PLACE WHILE WORKERS ARE PRESENT (TYP.)



WORK ITEMS

- REMOVE CONFLICTING TEMPORARY PAVEMENT MARKINGS
- MILL AND OVERLAY IL. ROUTE 47.
- PERMANENT PAVEMENT MARKINGS.

STAGE 4A: IL. ROUTE 47 AND GALENA BOULEVARD

NOTES:

1. SEE IDOT STANDARD 701606-05 FOR DETAILS ON DAYTIME LANE CLOSURES.
2. PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
3. BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.
4. TO BE COMPLETED WITH STAGE 4 GALENA BOULEVARD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

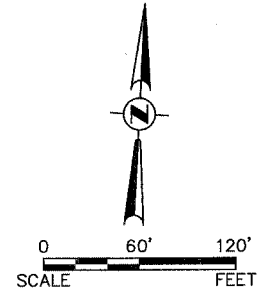
ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



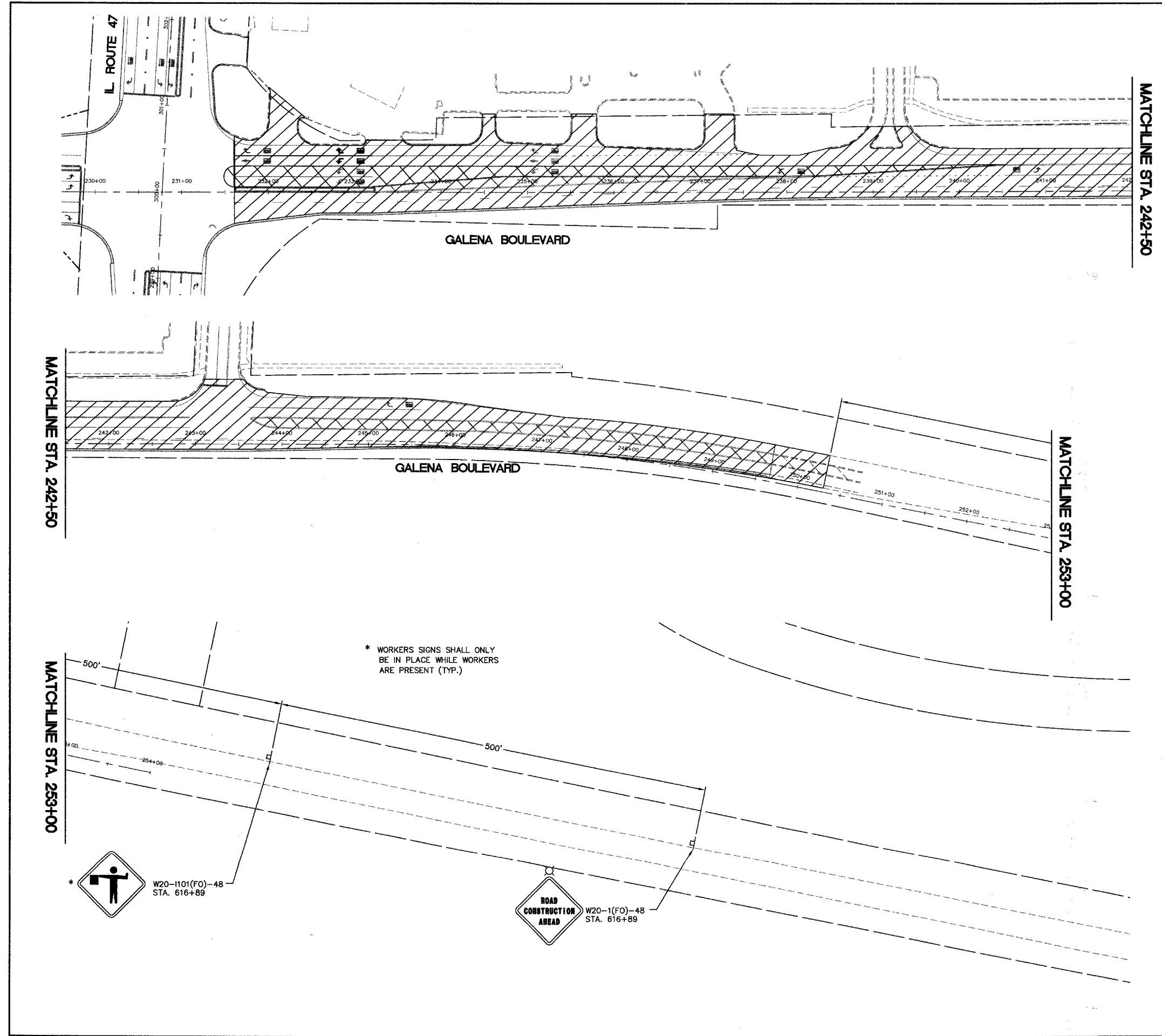
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N/A	06-00017-00-PV	KANE	232	72
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



	WORK AREA	WORK ITEMS
	TRAFFIC CONTROL DRUM W/ STEADY BURN AMBER LIGHT	- REMOVE CONFLICTING TEMPORARY PAVEMENT MARKINGS
	SIGN	- MILL AND OVERLAY GALENA BOULEVARD.
	TYPE 3 BARRICADE	- PERMANENT PAVEMENT MARKINGS.
	DIRECTIONAL INDICATOR BARRICADE	
	ARROW BOARD	

PLAN	DATE
SURVEYED	
DESIGNED	
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RT. OF WAY CHECKED	
CADD FILE NAME	
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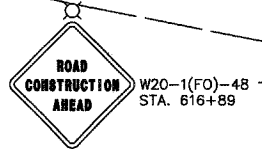
PROFILE	DATE
SURVEYED	
DESIGNED	
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B.M. NOTED	
STRUCTURE NOTATIONS OK'D	
NO.	



STAGE 4B: IL. ROUTE 47 AND GALENA BOULEVARD

NOTES:

- SEE IDOT STANDARD 701606-05 FOR DETAILS ON DAYTIME LANE CLOSURES.
- WESTBOUND GALENA BOULEVARD PAVEMENT MARKINGS TO MATCH THOSE SHOWN ON STAGE 2 IL. ROUTE 47 UNTIL WESTBOUND THROUGH MOVEMENTS ARE ALLOWED AT THIS INTERSECTION.
- PAVEMENT JOINTS ARE TO BE CONSISTENT WITH FUTURE LANE LINES PER ARTICLE 406.06(g) OF THE STANDARD SPECIFICATIONS.
- BUTT JOINTS SHALL NOT REMAIN EXPOSED TO TRAFFIC OVER NIGHT. MILLED OR UNFINISHED SURFACES WILL REQUIRE A 40(H) : 1(V) TEMPORARY RAMP PER ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS.
- TO BE COMPLETED WITH STAGE 4 IL. ROUTE 47.
- GALENA BOULEVARD STAGE 4 TRAFFIC CONTROL AND PROTECTION IS FOR FINAL RESURFACING AND PAVEMENT MARKINGS TO BE COMPLETED WITH ILLINOIS ROUTE 47 STAGE 4 TRAFFIC CONTROL AND PROTECTION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AND GALENA BOULEVARD TRAFFIC CONTROL AND STAGING PLAN

SCALE: 1" = 60'

DATE: 02/07/08

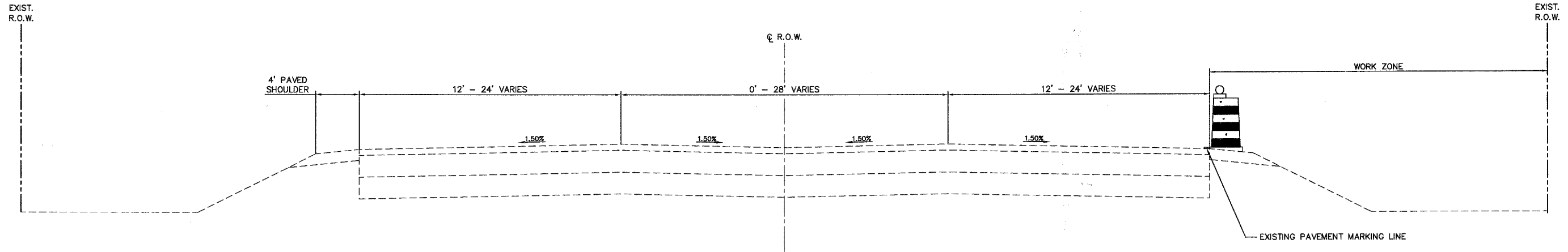
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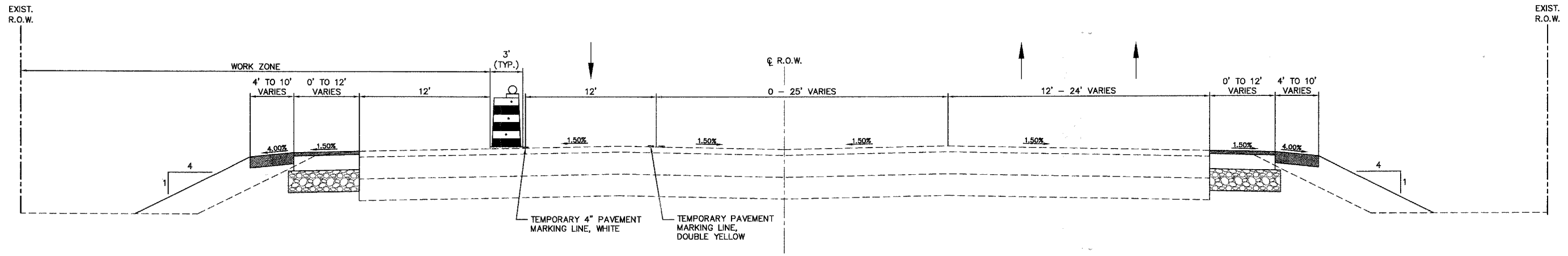
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N/A	06-00017-00-PV	KANE	232	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	DESIGNED	
	CHECKED	
	BY	
	DATE	



STAGE 1A TRAFFIC CONTROL AND PROTECTION
U.S. ROUTE 30
STATION 632+35 TO STATION 644+70

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	DESIGNED	
	CHECKED	
	BY	
	DATE	



STAGE 2 TRAFFIC CONTROL AND PROTECTION
U.S. ROUTE 30
STATION 632+35 TO STATION 644+70

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

SCALE: NTS
DATE: 02/07/08

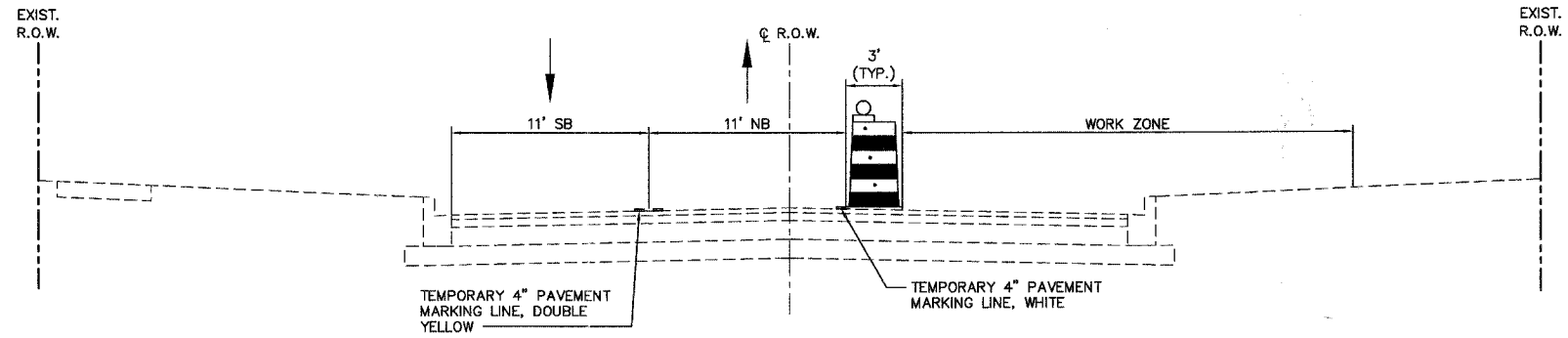
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	ALIGNED		
NOTE BOOK NO.	RT. OF WAY CHECKED		
	CAAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	STRUCTURE NOTATION CHFD		
NOTE BOOK NO.	S.M. NOTED		
	STRUCTURE NOTATION CHFD		



STAGE 1B TRAFFIC CONTROL AND PROTECTION
MUNICIPAL DRIVE
STATION 45+00 TO STATION 51+50

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

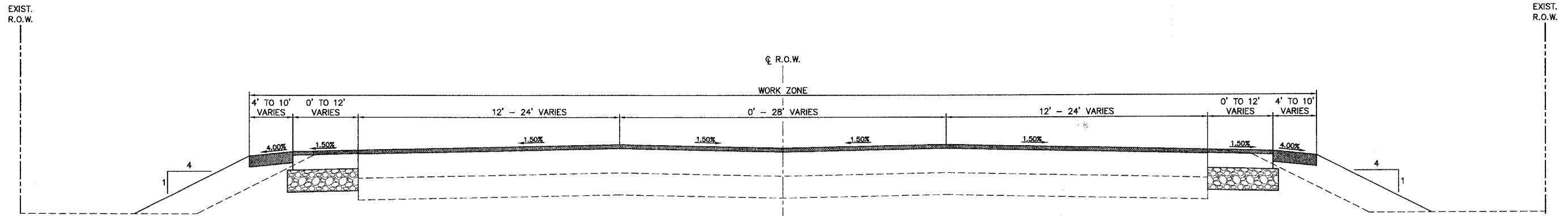
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DATE: 02/07/08

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CHECKED BY: WBR



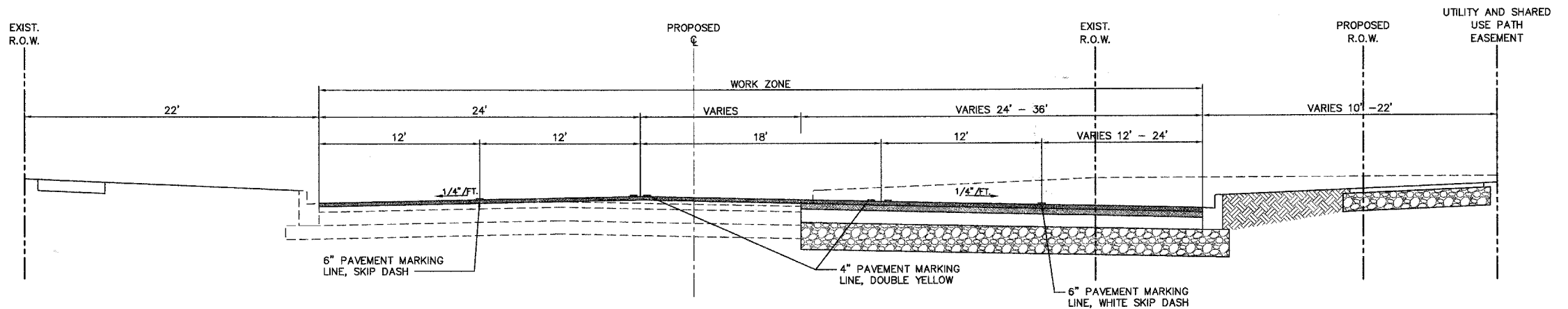
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	75
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
	DESIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	



STAGE 3 TRAFFIC CONTROL AND PROTECTION
U.S. ROUTE 30
STATION 632+35 TO STATION 644+70

PROFILE	SURVEYED	DATE
	DESIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHRD	
	NO.	



STAGE 3 TRAFFIC CONTROL AND PROTECTION
MUNICIPAL DRIVE
STATION 45+00 TO STATION 51+50

NOTE:
MUNICIPAL DRIVE STAGE 3 TRAFFIC CONTROL AND PROTECTION IS FOR FINAL RESURFACING AND PAVEMENT MARKING TO BE COMPLETED WITH U.S. ROUTE 30 STAGE 3 TRAFFIC CONTROL AND PROTECTION. THERE ARE NO MUNICIPAL DRIVE TRAFFIC CONTROL AND PROTECTION STAGES 2.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

SCALE: NTS
DATE: 02/07/08

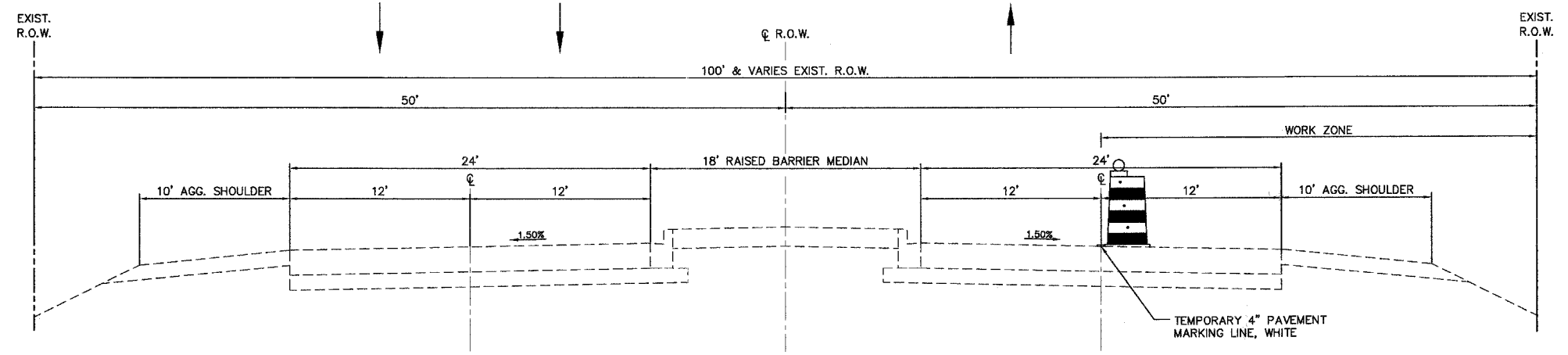
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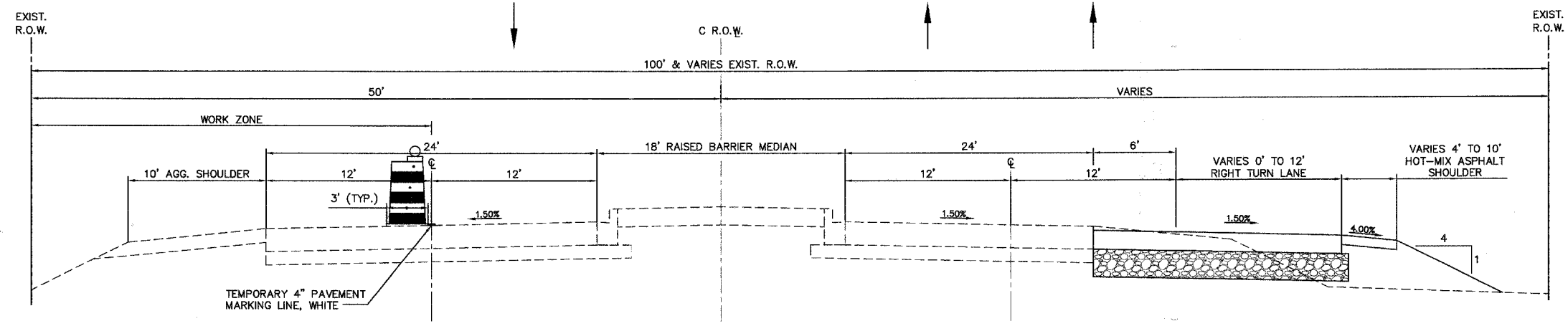
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	DATE
BY	
SURVEYED	
DESIGNED	
CHECKED	
DATE	
NOTE BOOK NO.	
FILE NAME	

PROFILE	DATE
BY	
SURVEYED	
DESIGNED	
CHECKED	
DATE	
NOTE BOOK NO.	
FILE NAME	



STAGE 1A TRAFFIC CONTROL AND PROTECTION
IL. ROUTE 47



STAGE 2 TRAFFIC CONTROL AND PROTECTION
IL. ROUTE 47

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

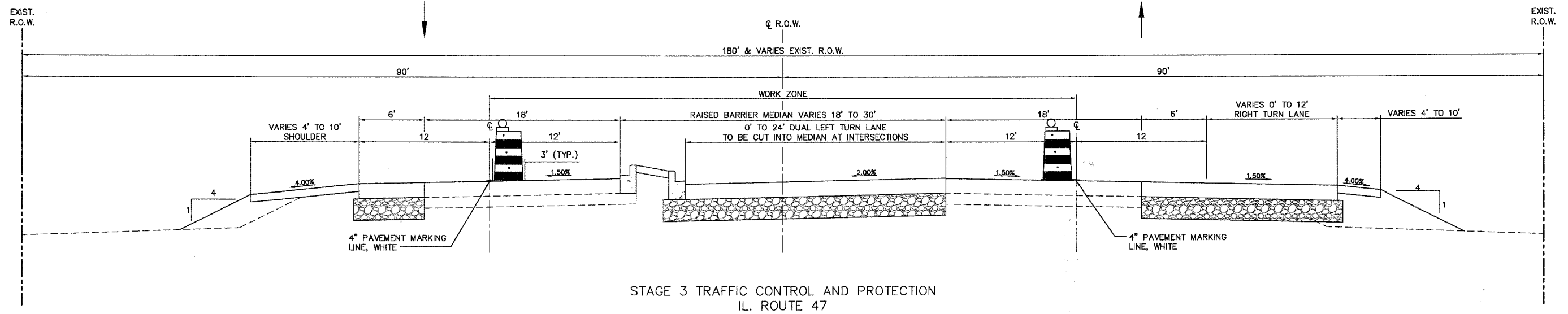
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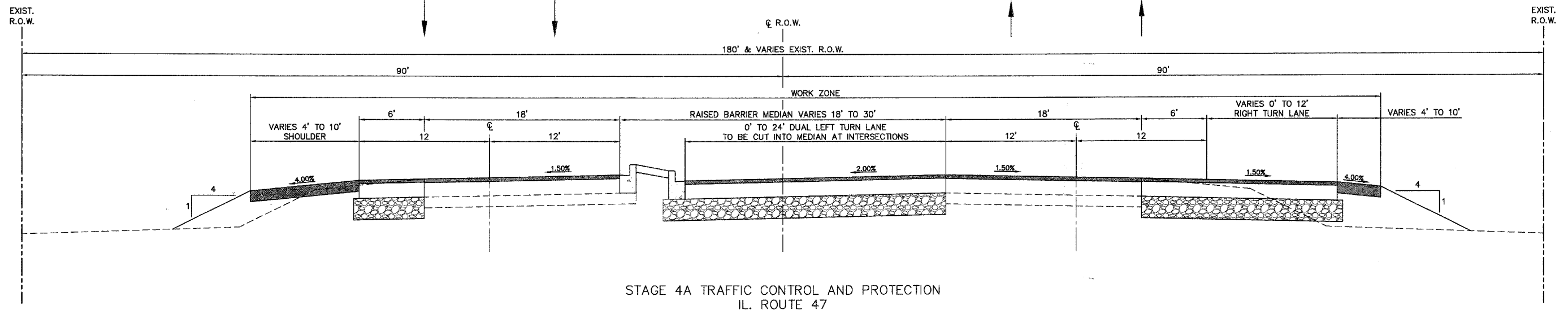


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	ALIGNED	
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	



PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATION	CHRD
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

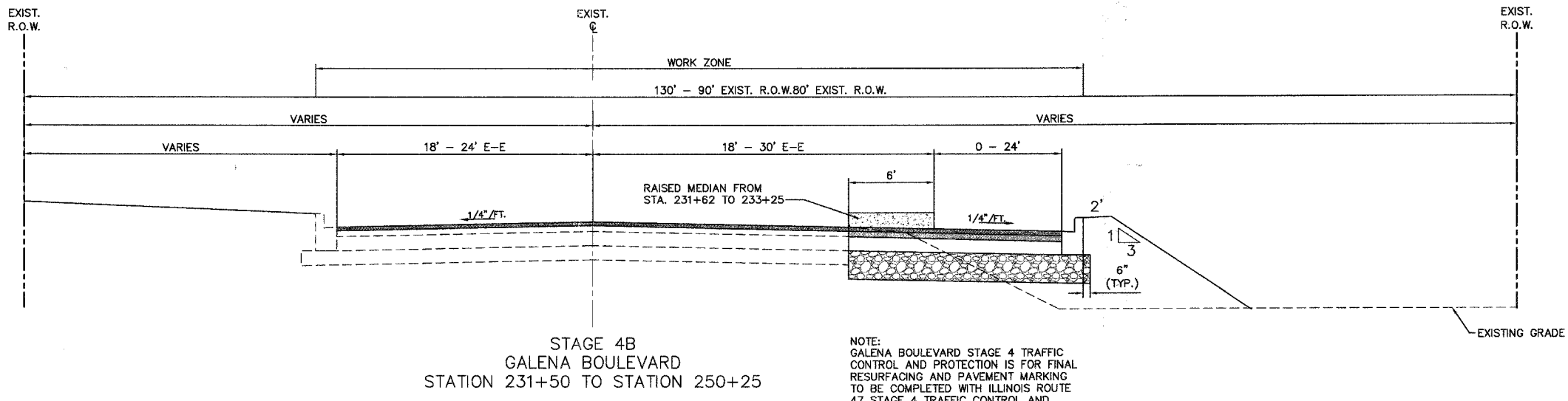
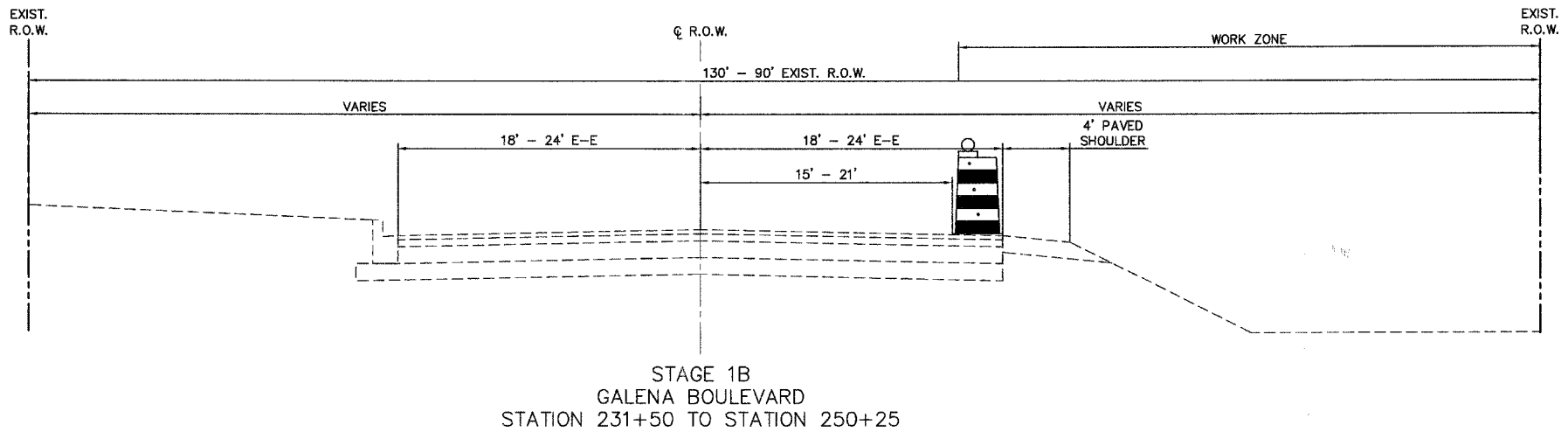
SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	DATE
SURVEYED	BY
DESIGNED	BY
CHECKED	BY
NOTED	BY
STRUCTURE	NOTATIONS
NO.	CHRD



NOTE:
GALENA BOULEVARD STAGE 4 TRAFFIC CONTROL AND PROTECTION IS FOR FINAL RESURFACING AND PAVEMENT MARKING TO BE COMPLETED WITH ILLINOIS ROUTE 47 STAGE 4 TRAFFIC CONTROL AND PROTECTION. THERE ARE NO GALENA BOULEVARD TRAFFIC CONTROL AND PROTECTION STAGES 2 AND 3.

PROFILE	DATE
SURVEYED	BY
DESIGNED	BY
CHECKED	BY
NOTED	BY
STRUCTURE	NOTATIONS
NO.	CHRD

REVISIONS	
NAME	DATE

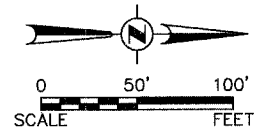
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTION FOR TRAFFIC CONTROL AND PROTECTION

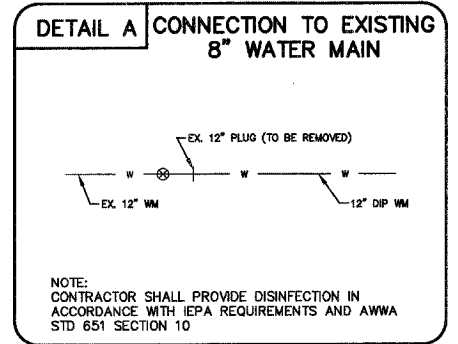
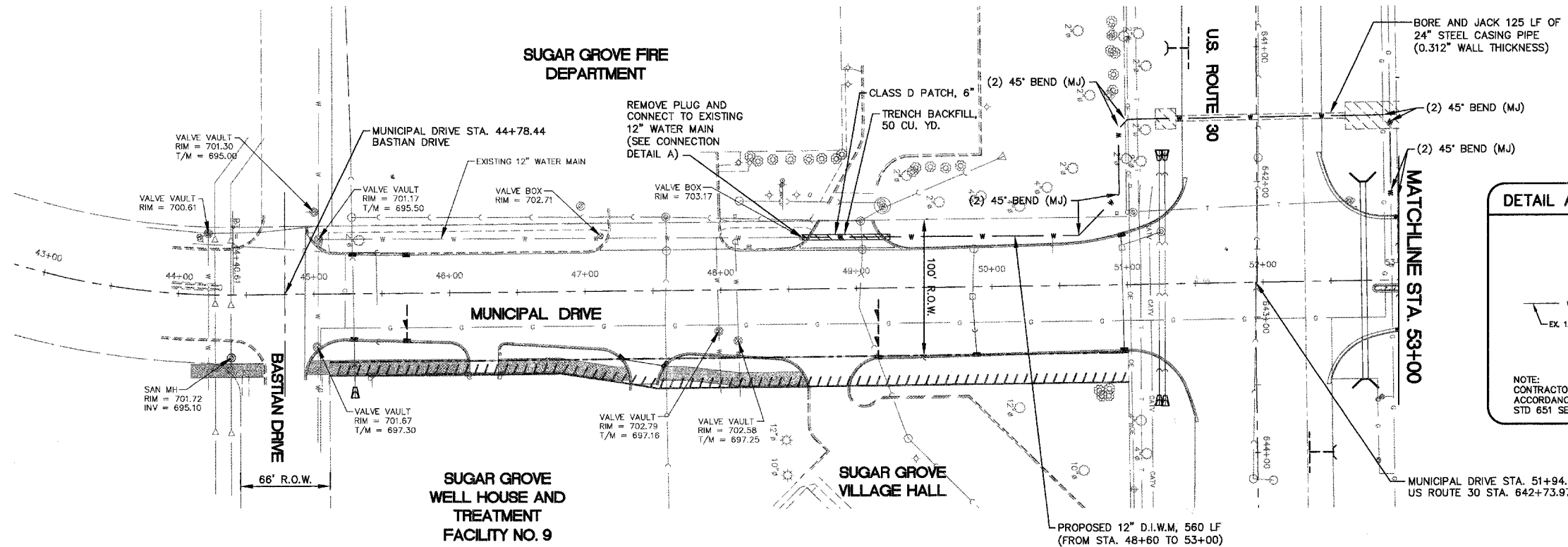
SCALE: NTS
DATE: 02/07/08

DRAWN BY:
CHECKED BY: WBR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	79
STA. 44+00		TO STA. 53+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



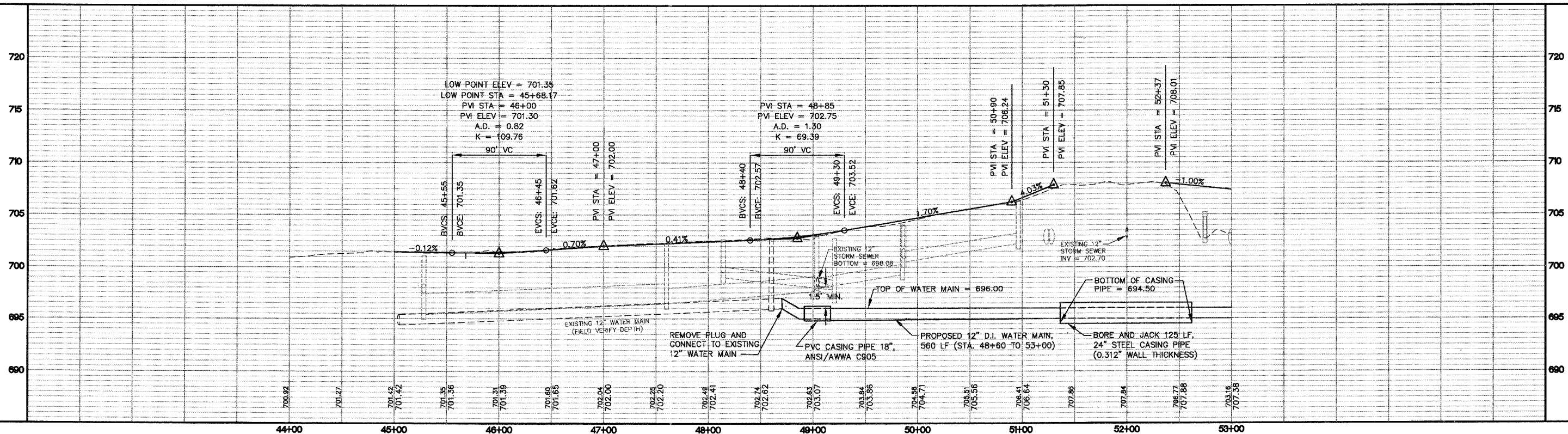
PLAN	DATE
BY: _____	DATE: _____
NO. _____	



SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'

NOTE:
 DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM WATER MAIN DEPTH.

PROFILE	DATE
BY: _____	DATE: _____
NO. _____	

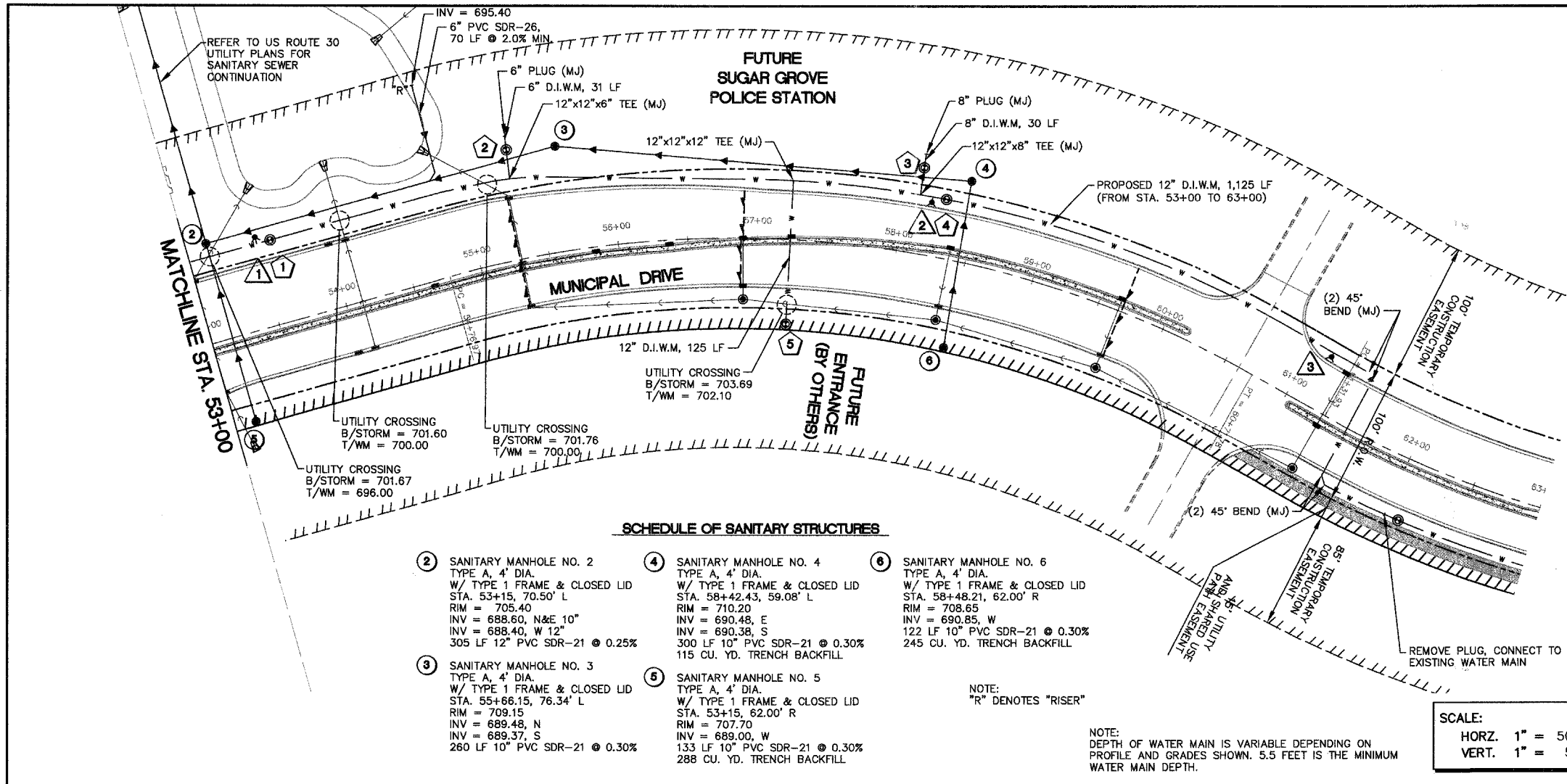


MUNICIPAL DRIVE WATER MAIN & SANITARY SEWER PLAN



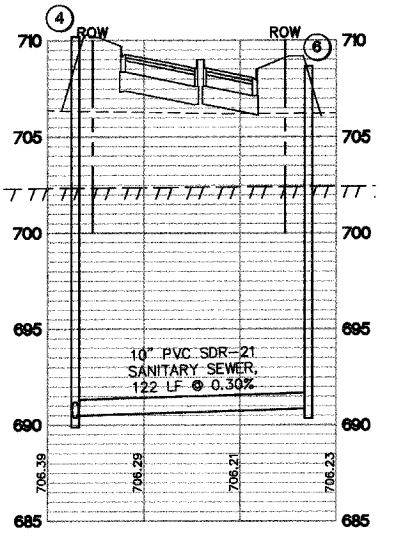
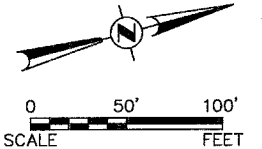
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	80
STA. 53+00		TO STA. 63+00		
FED. ROAD DIST. NO. _____		ILLINOIS		
		FED. AID PROJECT		

PLAN	DATE	BY
REVISION		
PLANNED		
CHECKED		
BY		
NOTE BOOK		
NO.		



SCHEDULE OF WATER MAIN STRUCTURES

- 1 VALVE VAULT NO. 1
STA. 53+60, 60.50' L
12" GATE VALVE IN 60" VAULT
RIM = 706.70
- 2 VALVE VAULT NO. 2
STA. 55+34.60, 79.95' L
6" GATE VALVE IN 48" VAULT
RIM = 709.00
- 3 VALVE VAULT NO. 3
STA. 58+09.86, 82.37' L
8" GATE VALVE IN 48" VAULT
RIM = 710.00
- 4 VALVE VAULT NO. 4
STA. 58+28.36, 42.50' L
12" GATE VALVE IN 60" VAULT
RIM = 709.80
- 5 VALVE VAULT NO. 5
STA. 57+23.55, 61.00' R
12" GATE VALVE IN 60" VAULT
RIM = 708.10
- 5A VALVE VAULT NO. 5A
STA. 62+10, 43.50' R
12" GATE VALVE IN 60" VAULT
RIM = 711.45
- 1 FIRE HYDRANT NO. 1
STA. 53+50, 65.50' L
6" (M) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 706.90
- 2 FIRE HYDRANT NO. 2
STA. 58+18.92, 38.50' L
6" (M) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 709.65
- 3 FIRE HYDRANT NO. 3
STA. 61+15.02, 39.20' L
6" (M) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 709.95



SCHEDULE OF SANITARY STRUCTURES

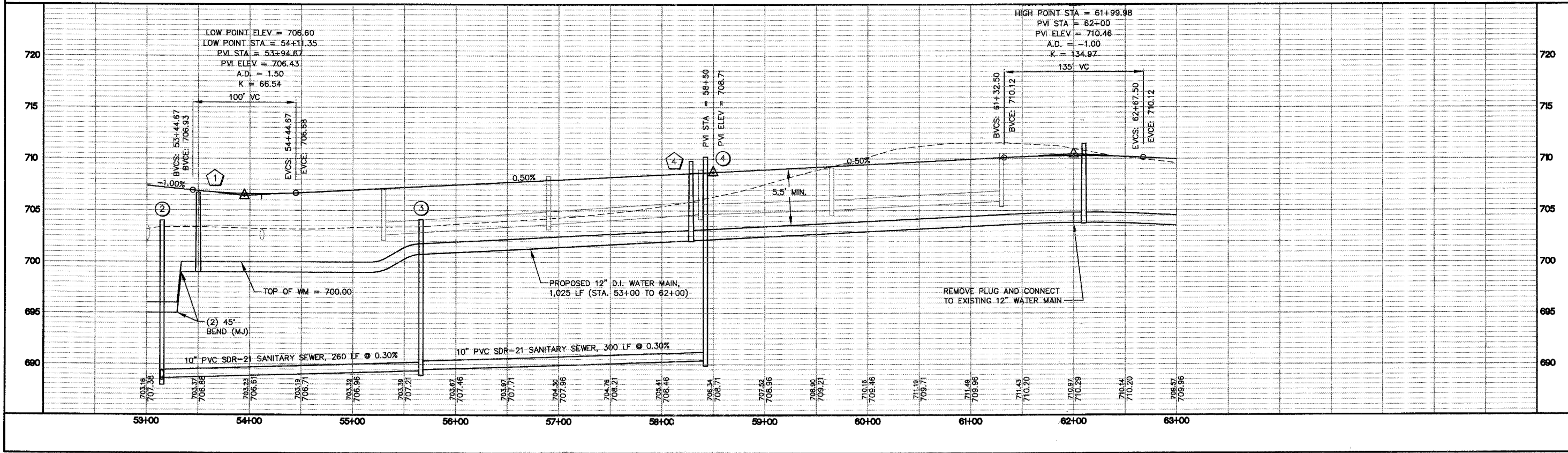
- 2 SANITARY MANHOLE NO. 2
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 53+15, 70.50' L
RIM = 705.40
INV = 688.60, N&E 10"
INV = 688.40, W 12"
305 LF 12" PVC SDR-21 @ 0.25%
- 3 SANITARY MANHOLE NO. 3
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 55+66.15, 76.34' L
RIM = 709.15
INV = 689.48, N
INV = 689.37, S
260 LF 10" PVC SDR-21 @ 0.30%
- 4 SANITARY MANHOLE NO. 4
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 58+42.43, 59.08' L
RIM = 710.20
INV = 690.48, E
INV = 690.38, S
300 LF 10" PVC SDR-21 @ 0.30%
- 5 SANITARY MANHOLE NO. 5
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 53+15, 62.00' R
RIM = 707.70
INV = 689.00, W
INV = 689.00, W
133 LF 10" PVC SDR-21 @ 0.30%
- 6 SANITARY MANHOLE NO. 6
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 58+48.21, 62.00' R
RIM = 708.65
INV = 690.85, W
122 LF 10" PVC SDR-21 @ 0.30%

NOTE:
"R" DENOTES "RISER"

NOTE:
DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON
PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM
WATER MAIN DEPTH.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

PROFILE	DATE	BY
REVISION		
PLANNED		
CHECKED		
BY		
NOTE BOOK		
NO.		



MUNICIPAL DRIVE WATER MAIN & SANITARY SEWER PLAN

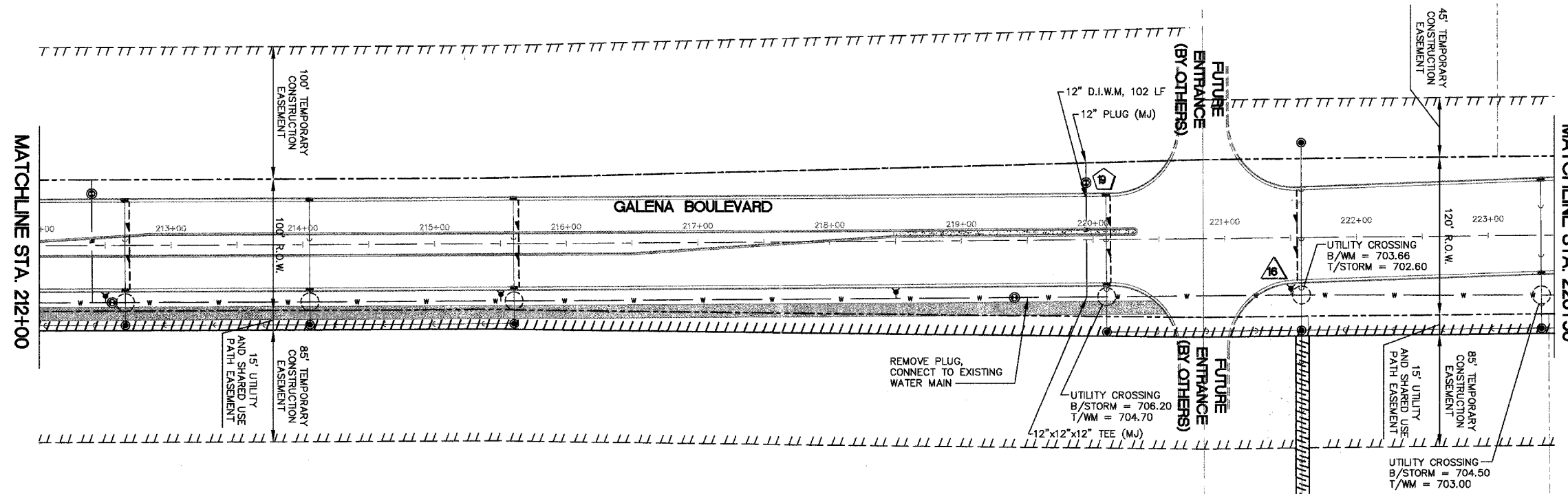
STA. 212+00 TO 219+50
NOTES FOR INFORMATION
PURPOSES ONLY

Engineering Enterprises, Inc.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	81
STA. 212+00 TO STA. 223+50				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

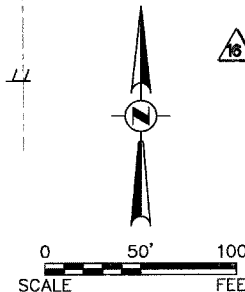
SCHEDULE OF WATER MAIN STRUCTURES

- 16 VALVE VAULT NO. 16
STA. 212+55, 43.50' R
12" GATE VALVE IN 60" VAULT
RIM = 709.30
- 17 VALVE VAULT NO. 17
STA. 212+40, 38.50' L
12" GATE VALVE IN 60" VAULT
RIM = 709.06
- 18 VALVE VAULT NO. 18
STA. 219+40, 43.50' R
12" GATE VALVE IN 60" VAULT
RIM = 711.30
- 19 VALVE VAULT NO. 19
STA. 219+95, 43.50' L
12" GATE VALVE IN 60" VAULT
RIM = 711.15
- 13 FIRE HYDRANT NO. 13
STA. 212+50, 38.50' R
6" (M.J) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 709.20
- 14 FIRE HYDRANT NO. 14
STA. 215+50, 38.50' R
6" (M.J) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 710.70
- 15 FIRE HYDRANT NO. 15
STA. 218+50, 38.50' R
6" (M.J) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 711.50
- 16 FIRE HYDRANT NO. 16
STA. 221+50, 38.50' R
6" (M.J) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 710.30



NOTE:
DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON
PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM
WATER MAIN DEPTH.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'



DATE	BY

PLAN

SURVEYED, PLOTTED, ALIGNED, CHECKED, AND FILED

NOTE BOOK NO. _____

STRUCTURE NO. _____

DATE _____

DATE	BY

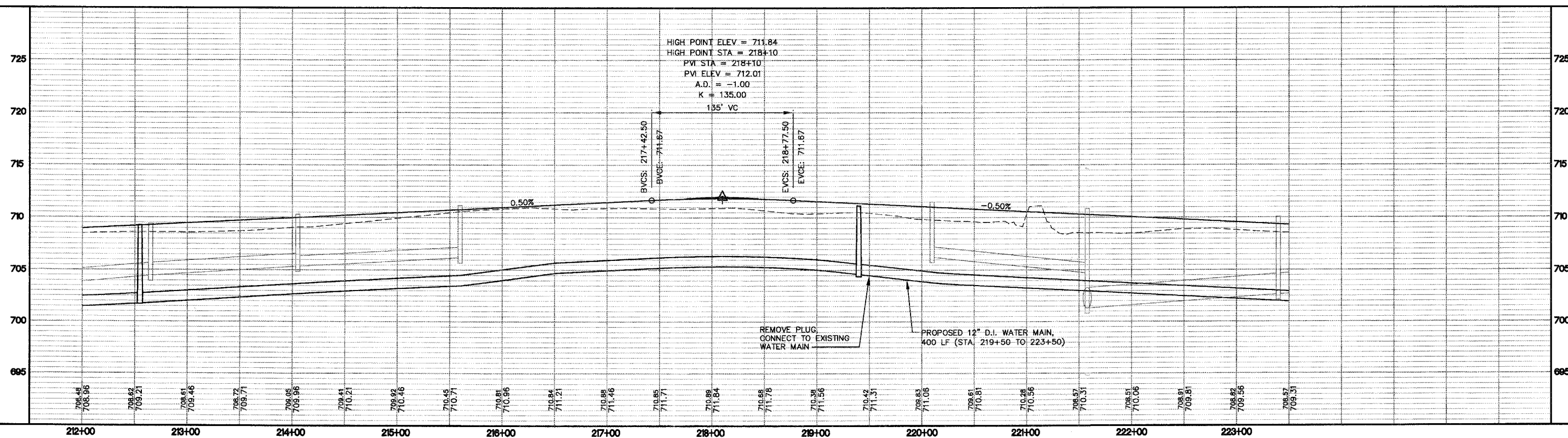
PROFILE

SURVEYED, PLOTTED, GRADES CHECKED, AND FILED

NOTE BOOK NO. _____

STRUCTURE NO. _____

DATE _____



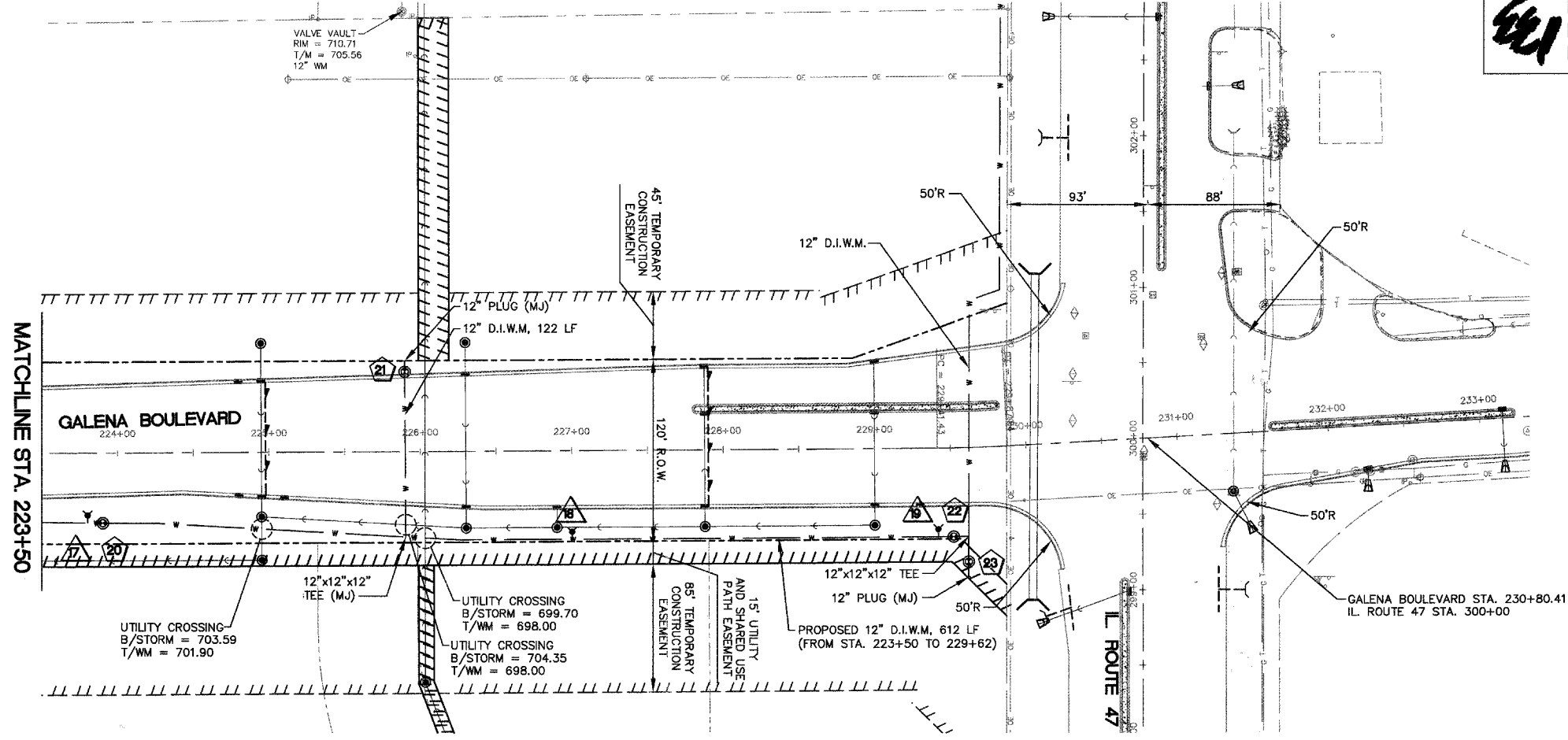
GALENA BOULEVARD WATER MAIN & SANITARY SEWER PLAN



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	82
STA. 223+50		TO STA. 233+00		
FED. ROAD DIST. NO. _ ILLINOIS		FED. AID PROJECT		

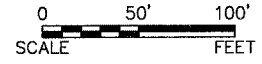
SCHEDULE OF WATER MAIN STRUCTURES

- 20 VALVE VAULT NO. 20
STA. 223+90, 46.10' R
12" GATE VALVE IN 60" VAULT
RIM = 709.25
- 21 VALVE VAULT NO. 21
STA. 225+90, 52.71' L
12" GATE VALVE IN 60" VAULT
RIM = 708.65
- 22 VALVE VAULT NO. 22
STA. 229+51.35, 58.55' R
12" GATE VALVE IN 60" VAULT
RIM = 711.85
- 23 VALVE VAULT NO. 23
STA. 229+61.35, 68.55' R
12" GATE VALVE IN 60" VAULT
RIM = 712.20
- 17 FIRE HYDRANT NO. 17
STA. 223+80, 41.00' R
6" (MJ) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 709.20
- 18 FIRE HYDRANT NO. 18
STA. 227+00, 53.50' R
6" (MJ) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 709.80
- 19 FIRE HYDRANT NO. 19
STA. 229+41.91, 53.50' R
6" (MJ) AUXILIARY GATE VALVE
AND TRENCH ADAPTOR
GROUND RING ELEV. = 711.67



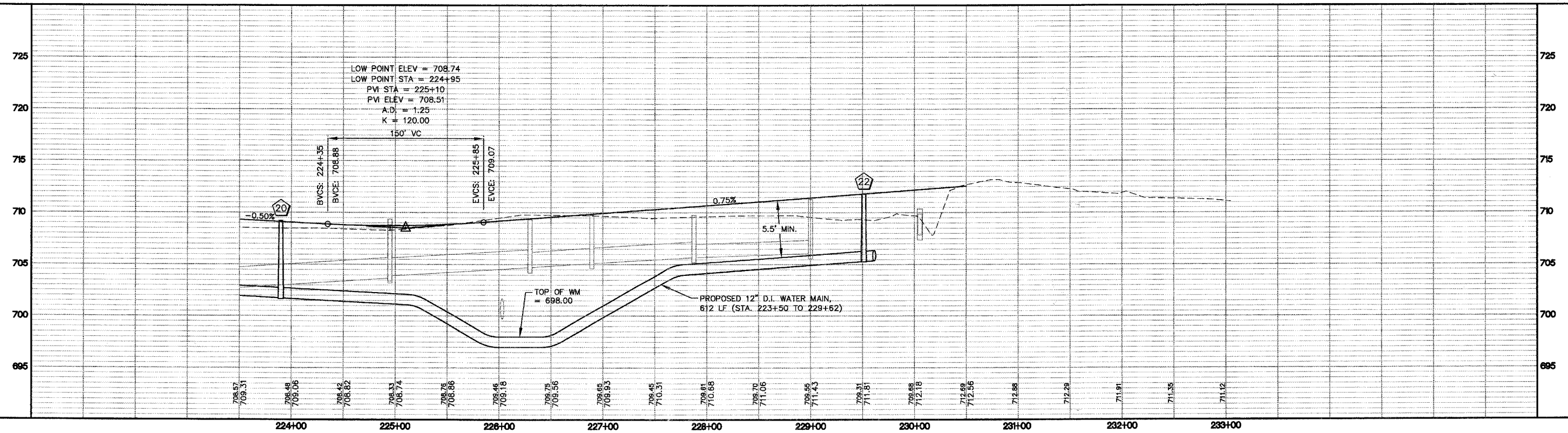
NOTE:
DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON
PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM
WATER MAIN DEPTH.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'



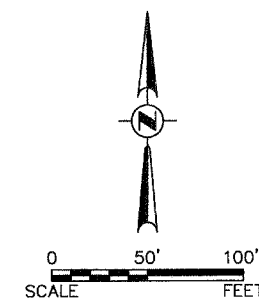
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PROFILE	DATE
SURVEYED	
PLOTTED	
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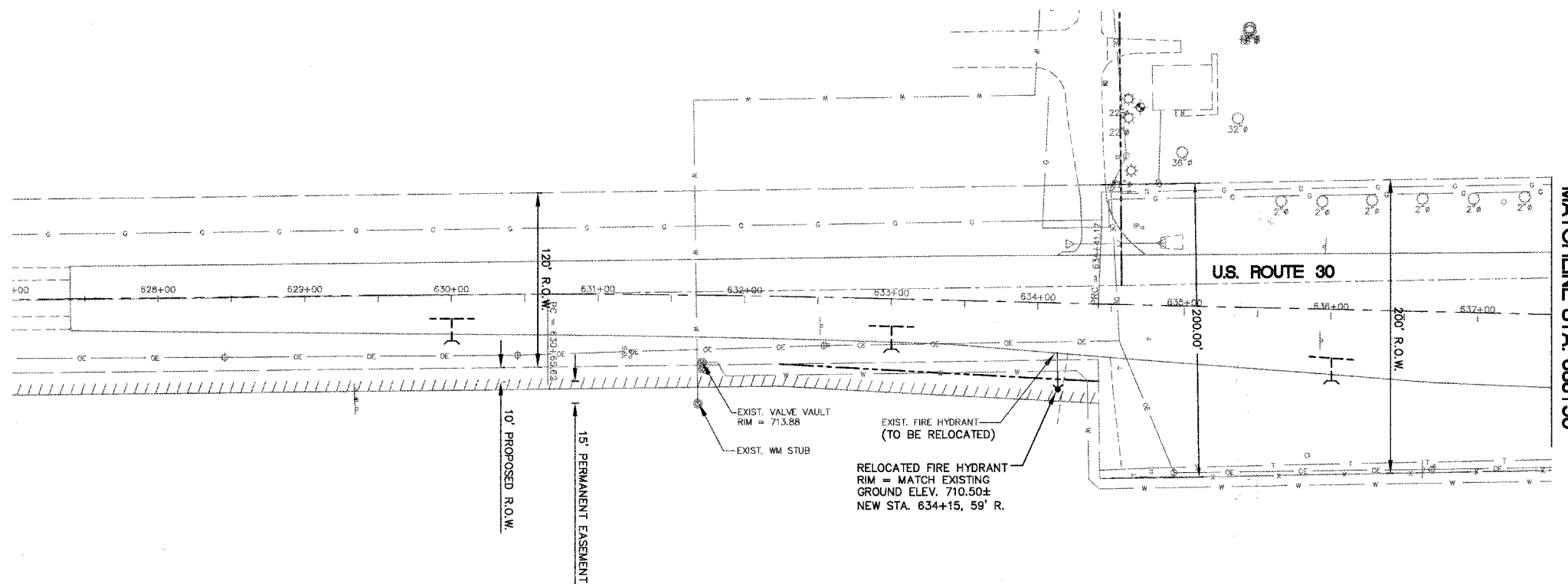


GALENA BOULEVARD WATER MAIN & SANITARY SEWER PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	83
STA. 627+00		TO STA. 637+50		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



PLAN	DATE
SURVEYED	
PLOTTED	
REVISIONS	
NOTE BOOK NO.	
BY	

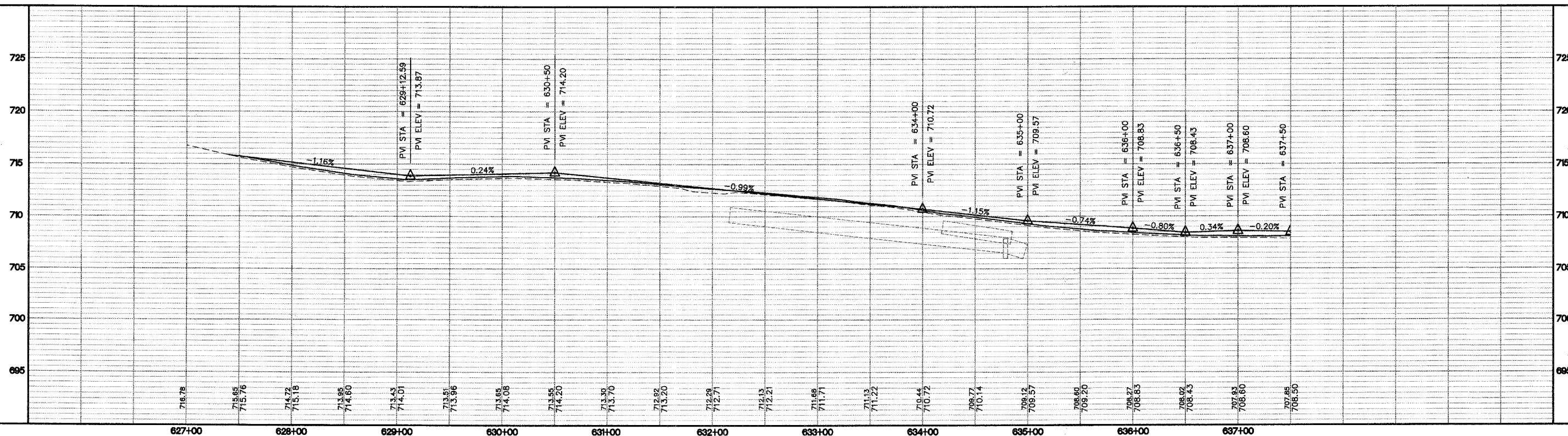


MATCHLINE STA. 638+50

SCALE:	
HORZ.	1" = 50'
VERT.	1" = 5'

NOTE:
DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM WATER MAIN DEPTH.

PROFILE	DATE
SURVEYED	
PLOTTED	
REVISIONS	
NOTE BOOK NO.	
BY	



U.S. ROUTE 30 WATER MAIN & SANITARY SEWER PLAN



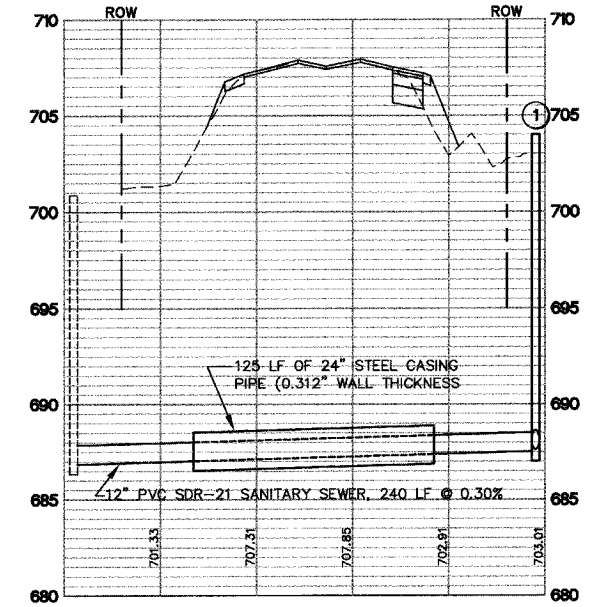
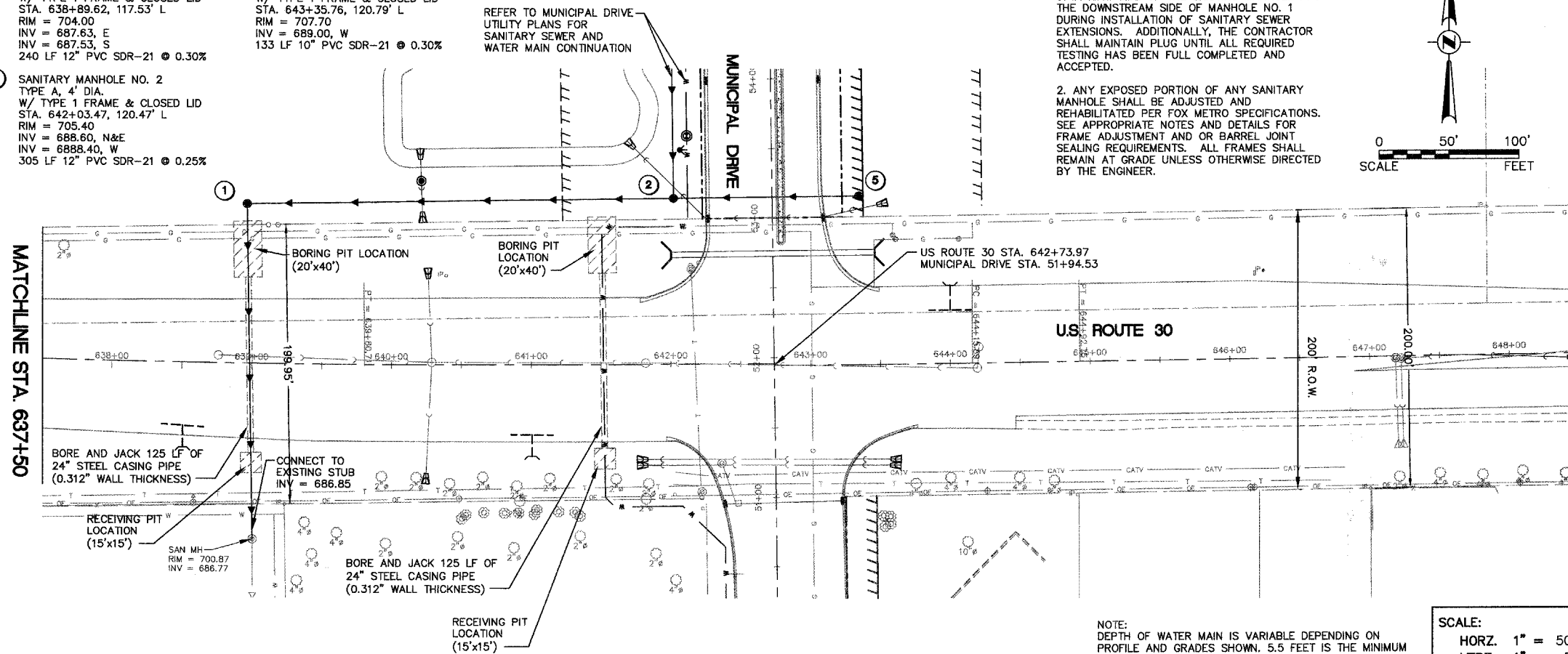
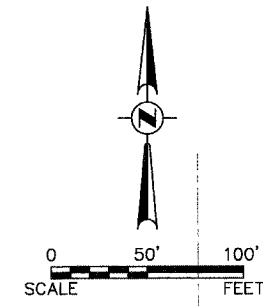
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	84
STA. 637+50		TO STA. 649+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF SANITARY STRUCTURES

- ① SANITARY MANHOLE NO. 1
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 638+89.62, 117.53' L
RIM = 704.00
INV = 687.63, E
INV = 687.53, S
240 LF 12" PVC SDR-21 @ 0.30%
- ② SANITARY MANHOLE NO. 2
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 642+03.47, 120.47' L
RIM = 705.40
INV = 688.60, N&E
INV = 6888.40, W
305 LF 12" PVC SDR-21 @ 0.25%
- ⑤ SANITARY MANHOLE NO. 5
TYPE A, 4' DIA.
W/ TYPE 1 FRAME & CLOSED LID
STA. 643+35.76, 120.79' L
RIM = 707.70
INV = 689.00, W
133 LF 10" PVC SDR-21 @ 0.30%

NOTES:

- THE CONTRACTOR SHALL PLUG THE UPSTREAM SIDE OF THE EXISTING MANHOLE AND THE DOWNSTREAM SIDE OF MANHOLE NO. 1 DURING INSTALLATION OF SANITARY SEWER EXTENSIONS. ADDITIONALLY, THE CONTRACTOR SHALL MAINTAIN PLUG UNTIL ALL REQUIRED TESTING HAS BEEN FULL COMPLETED AND ACCEPTED.
- ANY EXPOSED PORTION OF ANY SANITARY MANHOLE SHALL BE ADJUSTED AND REHABILITATED PER FOX METRO SPECIFICATIONS. SEE APPROPRIATE NOTES AND DETAILS FOR FRAME ADJUSTMENT AND OR BARREL JOINT SEALING REQUIREMENTS. ALL FRAMES SHALL REMAIN AT GRADE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



NOTE: DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM WATER MAIN DEPTH.

SCALE:
HORZ. 1" = 50'
VERT. 1" = 5'

DATE	BY

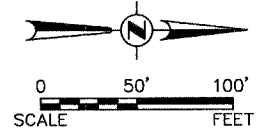
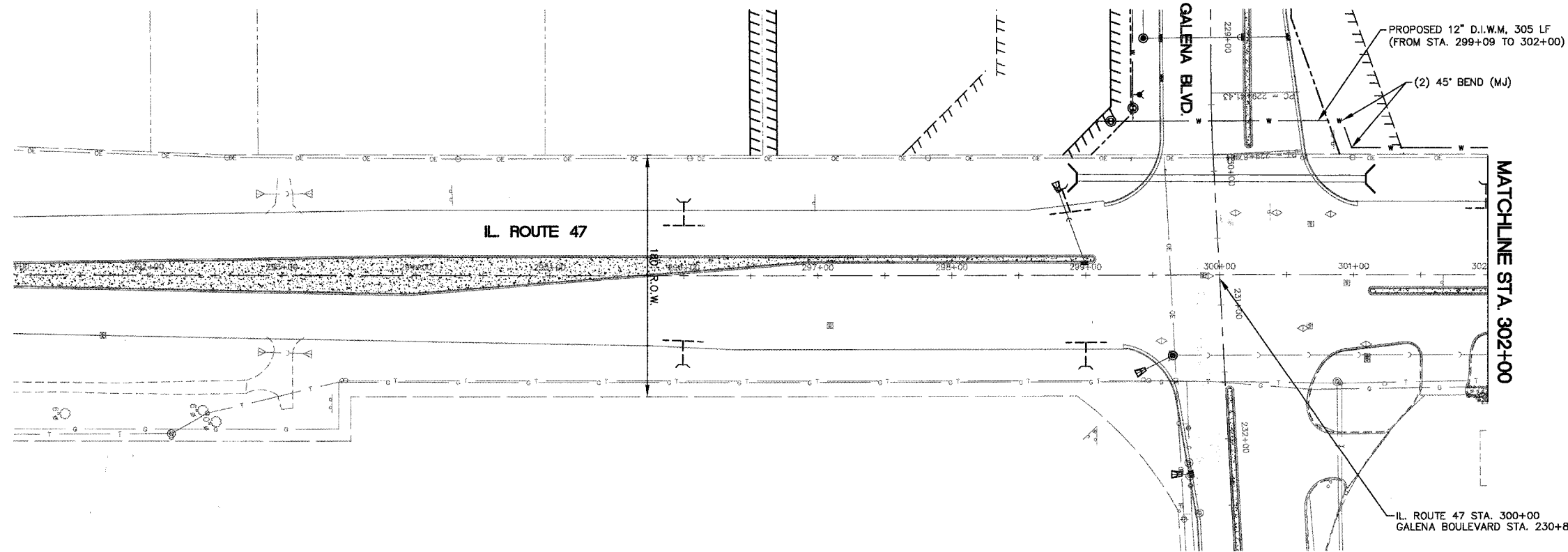
DATE	BY

U.S. ROUTE 30 WATER MAIN & SANITARY SEWER PLAN



F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	85
STA. 292+50		TO STA. 302+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

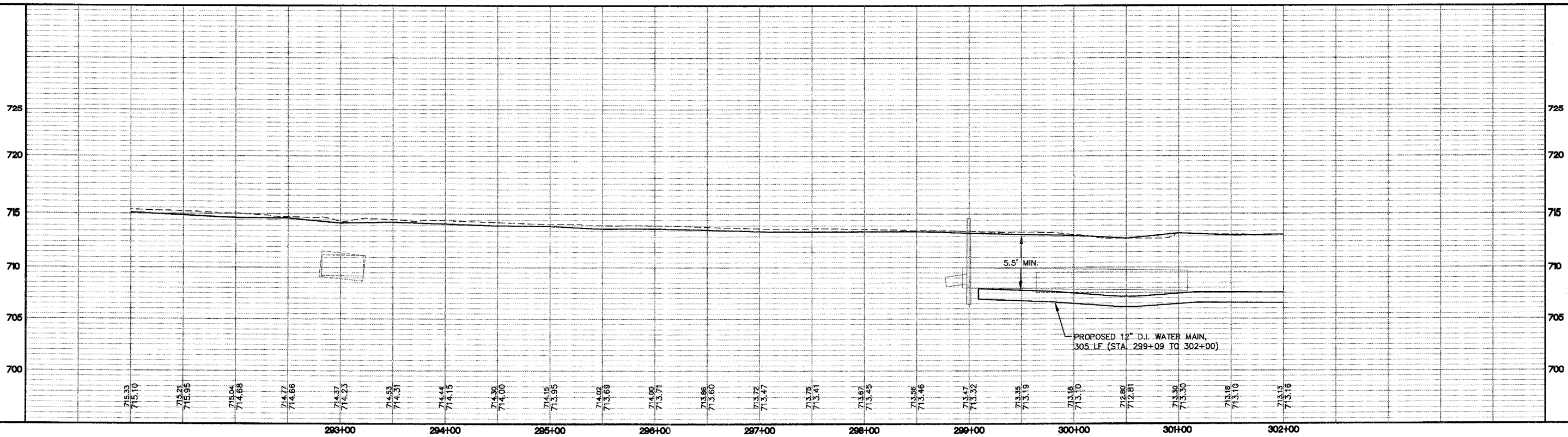
PLAN	BY	DATE
SURVEYED		
ALIGNED		
NOTES CHECKED		
NO. OF WAY CHECKED		
CADD FILE NAME		



SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'

NOTE:
 DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON
 PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM
 WATER MAIN DEPTH.

PROFILE	BY	DATE
SURVEYED		
GRADES CHECKED		
BLM. NOTED		
STRUCTURE NOTATIONS CHECKED		

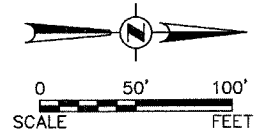
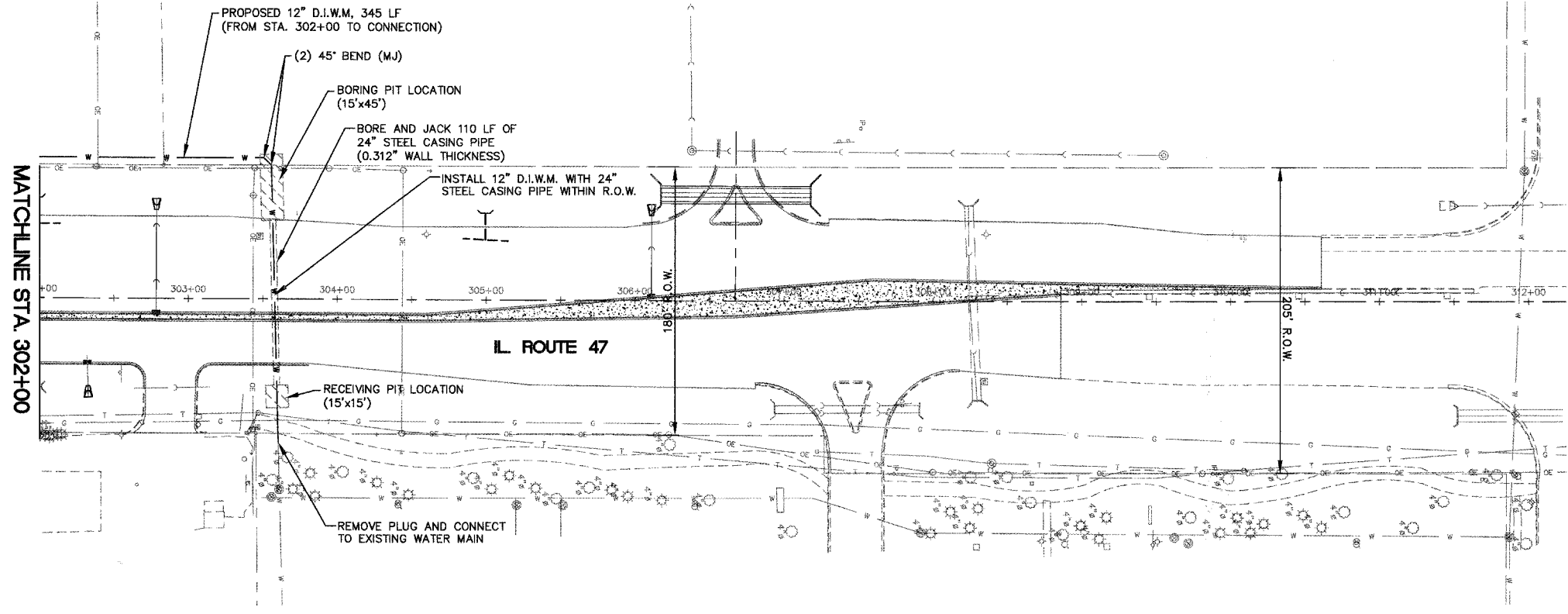


IL. ROUTE 47 WATER MAIN & SANITARY SEWER PLAN



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	86
STA. 302+00		TO STA. 311+50		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

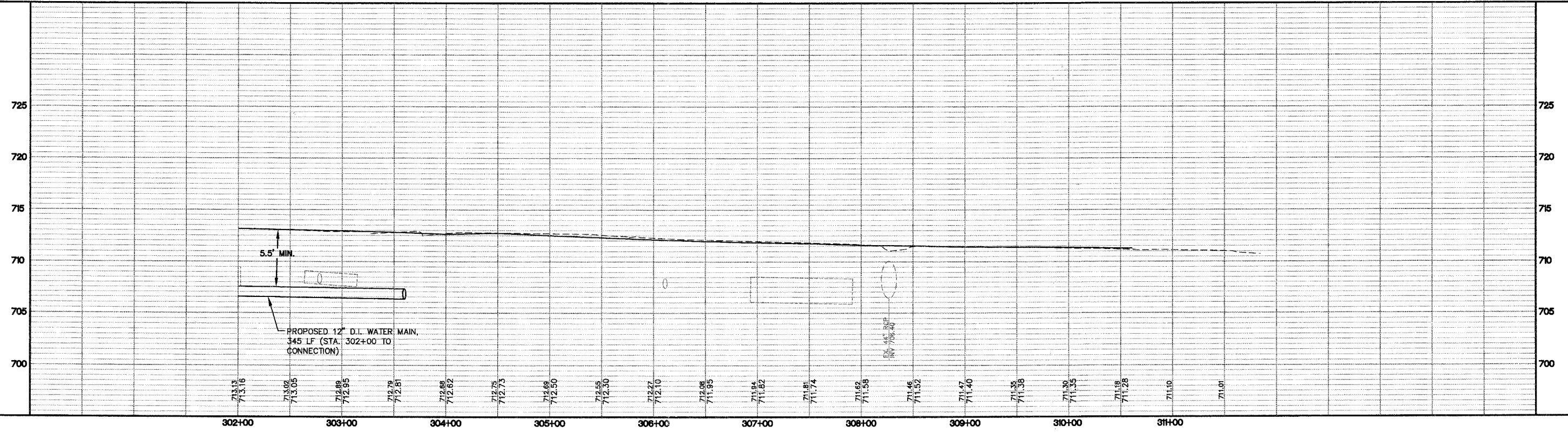
PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK NO.	
FIELD FILE NAME	



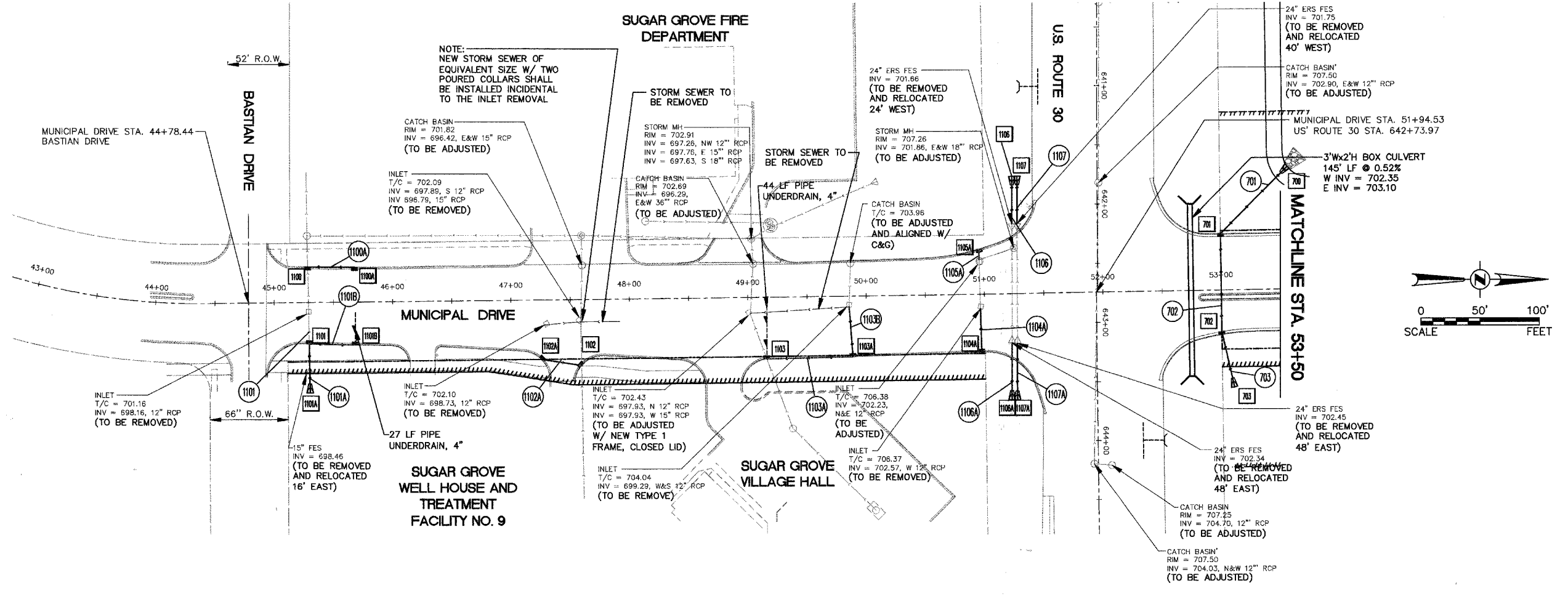
SCALE:
 HORZ. 1" = 50'
 VERT. 1" = 5'

NOTE:
 DEPTH OF WATER MAIN IS VARIABLE DEPENDING ON PROFILE AND GRADES SHOWN. 5.5 FEET IS THE MINIMUM WATER MAIN DEPTH.

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
BY	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CRD	



IL. ROUTE 47 WATER MAIN & SANITARY SEWER PLAN



STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY B	INLET TY B	CB 2' DIA	MH 4' DIA	CB 4' DIA	PRC 18"	REM & REL	STONE RIPRAP CLASS A3	STRUCTURE INVERTS				RIM ELEV				
				F&G	F&G	F&G	F&G	F&G	F&G	F&G	LENGTH	WIDTH	AREA	N	S	E	W			
											FOOT	FOOT	SQ. YD.							
1100	4528.6	30.0	LT				1							697.70					701.15	
1100A	4568.2	29.4	LT			1									697.90				701.30	
1101	4529.3	34.9	RT				1							698.30					701.68	
1101A	4529.6	76.6	RT						1		12	6	8						N/A	
1101B	4568.2	36.2	RT			1								698.50					701.56	
1102	4759.2	49.6	RT				1							697.00					702.19	
1102A	4726.6	49.5	RT				1							697.15					702.13	
1103	4915.6	52.1	RT				1							698.34					703.22	
1103A	4988.4	51.1	RT	1										699.10		699.10			704.42	
1104	5097.2	49.1	RT				1												705.60	
1105A	5095.7	38.0	LT				1												705.86	
1106	5124.5	82.9	LT						1		12	6	8						N/A	
1106A	5122.1	89.6	RT						1		12	6	8						702.67	
1107	5128.8	83.0	LT						1		12	6	8						N/A	
1107A	5126.7	90.0	RT						1		12	6	8						702.78	
700	5357.0	103.2	LT						1		12	6	8					SE 701.70	N/A	
701	5300.0	47.5	LT															NW 701.95	706.66	
702	5300.0	37.8	RT		1									702.20					706.80	
703	5310.0	82.3	RT																702.35	
TOTALS				1	1	5	4	1	2	5			48							

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 1 12" FOOT	SS CL A TY 1 15" FOOT	SS CL A TY 1 18" FOOT	SSRG CL A TY 1 18" FOOT	PIPE CULVERT CL A TY 1 24ERS" FOOT	
1100A	1100	1100A	12	36	0.51	2.5	36					
1101A	1101	1101A	15	36	0.60	2.0		36				
1101B	1101A	1101B	12	36	0.51	0.5	36					
1102A	1102	1102A	12	29	0.47	6.5	29					
1103A	1103	1103A	12	70	1.04	13.4	70					
1103B	1103A	EXIST	12	40	0.45	5.5	40					
1104A	EXIST	1104A	12	36	0.47	5.0	36					
1105A	EXIST	1105A	12	9	1.09	1.9	9					
1106	1106	EXIST	24ERS	24	0.67	4.0					24	
1106A	EXIST	1106A	24ERS	48	0.69	4.1					48	
1107	1107	EXIST	24ERS	24	0.67	3.8					24	
1107A	EXIST	1107A	24ERS	48	0.69	3.9					48	
701	700	701	18	72	0.31	3.6					72	
702	701	702	18	82	0.29	51.9					82	
703	702	703	18	41	0.31	5.5					41	
TOTAL							53	256	36	123	72	144

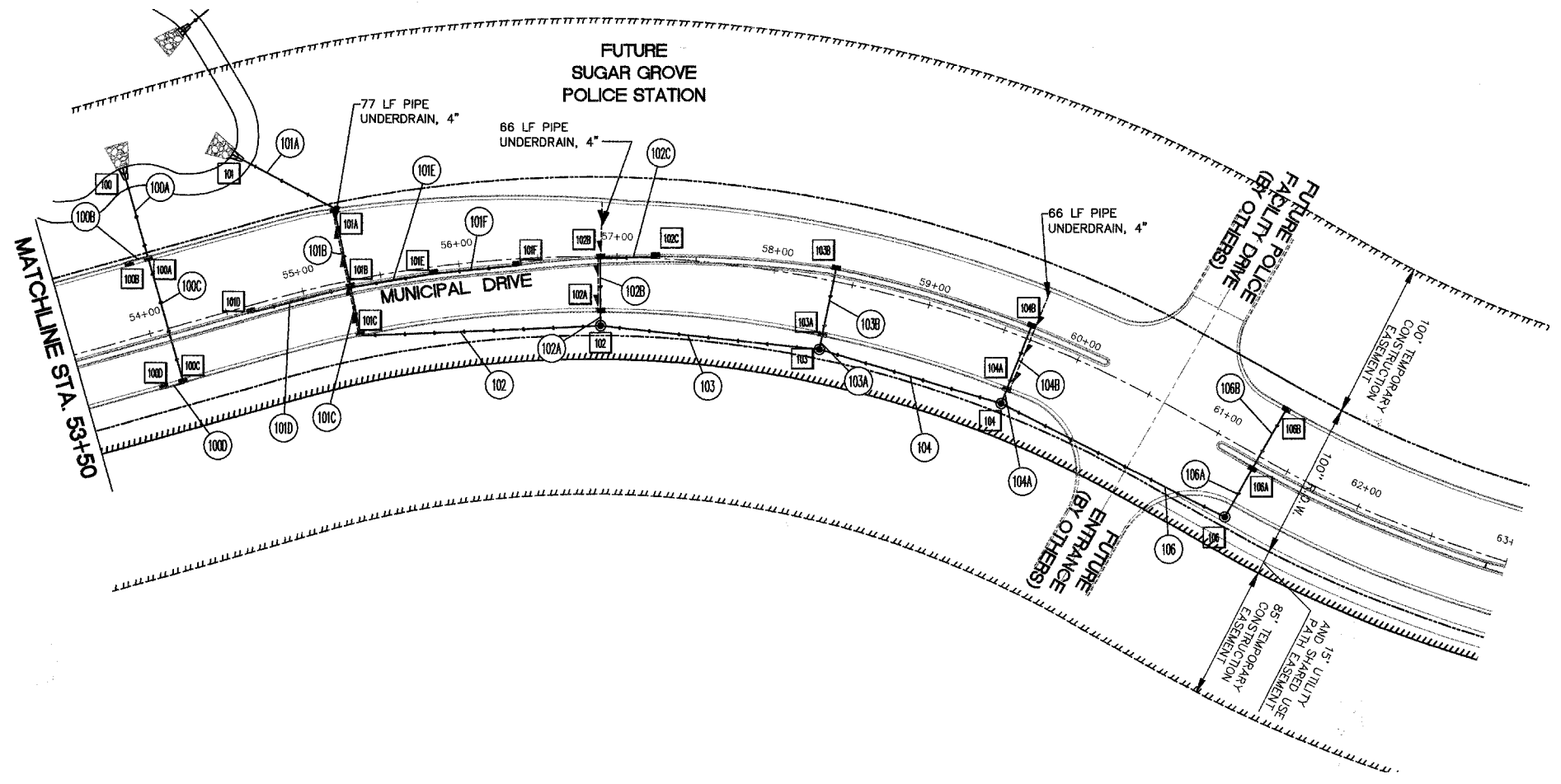
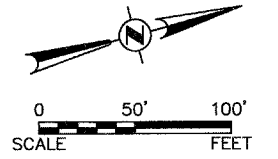
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		

MUNICIPAL DRIVE STORM SEWER PLAN

SCALE: 1" = 50' DRAWN BY: KKP
DATE: 02/07/08 CHECKED BY: WBR

DATE	BY

DATE	BY



PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	NO. OF FILE NAME	

PROFILE	SURVEYED	DATE
	GAUGED	
	CHECKED	
	BY	
	NO. OF NOTED	
	STRUCTURE NOTATIONS CTRD	

STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET				CB TY				MH TY				STONE RIPRAP CLASS A3				STRUCTURE INVERTS				RIM ELEV
				TY A	TY B	TY 24	TY 24	A 4	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	TY A	
100	5411.8	105.4	LT																					
100A	5411.8	47.5	LT																					
100B	5399.3	47.5	LT																					
100C	5411.8	35.5	RT																					
100D	5399.3	35.5	RT																					
101	5480.1	95.0	LT																					
101A	5530.0	46.6	LT																					
101B	5530.0	4.5	RT																					
101C	5530.0	35.5	RT																					
101D	5465.1	4.5	RT																					
101E	5583.6	4.5	RT																					
101F	5636.8	4.3	RT																					
102	5689.6	44.0	RT																					
102A	5689.6	35.5	RT																					
102B	5689.6	1.2	RT																					
102C	5724.4	0.9	LT																					
103	5837.7	44.0	RT																					
103A	5837.7	35.5	RT																					
103B	5837.8	7.5	LT																					
104	5965.0	44.0	RT																					
104A	5965.0	35.5	RT																					
104B	5965.0	7.5	LT																					
106	6129.9	44.0	RT																					
106A	6129.9	9.0	RT																					
106B	6130.1	33.0	LT																					
TOTALS				5	2	3	5	1	2	4	1	2												

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL TY 12' FOOT	SS CL TY 15' FOOT	SSRG CL TY 15' FOOT	SS CL TY 18' FOOT	SSRG CL TY 18' FOOT	
100A	100	100A	18	50	0.26						50	
100B	100A	100B	12	9	0.42	3.9	9					
100C	100A	100C	12	80	0.54	27.4	80					
100D	100C	100D	12	10	0.83	1.9	10					
101A	101	101A	18	65	0.56	5.8					65	
101B	101A	101B	18	47	0.49	11.1				47		
101C	101B	101C	15	28	0.81	5.9		28				
101D	101B	101D	12	62	0.46	13.8	62					
101E	101B	101E	12	50	2.74	12.7	50					
101F	101E	101F	12	51	0.47	1.8	51					
102	101C	102	15	148	0.70			148				
102A	102	102A	12	5	1.25		5					
102B	102A	102B	12	31	1.03	5.2	31					
102C	102B	102C	12	33	1.00	9.9	33					
103	102	103	15	135	0.72	18.9			135			
103A	103	103A	12	6	0.56		6					
103B	103A	103B	12	41	0.81	11.1	41					
104	103	104	12	116	0.46		116					
104A	104	104A	12	5	1.25		5					
104B	104A	104B	12	41	1.16	12.4	41					
106	104	106	12	154	0.49		154					
106A	106	106A	12	30	0.44	3.9	30					
106B	106A	106B	12	43	0.43	6.5	43					
TOTAL							152	767	176	135	47	115

REVISIONS	
NAME	DATE

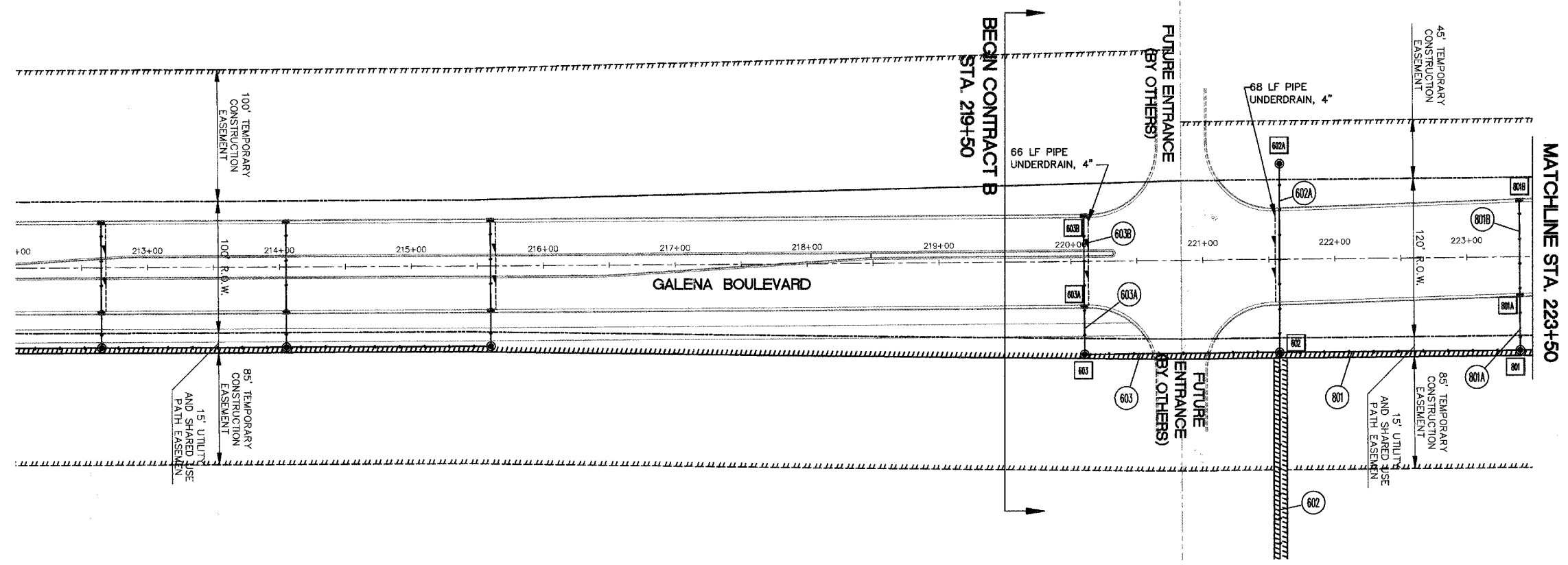
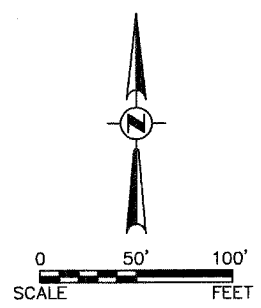
ILLINOIS DEPARTMENT OF TRANSPORTATION

MUNICIPAL DRIVE STORM SEWER PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	89
STA. 212+00		TO STA. 223+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN	SURVEYED	DATE
NOTE BOOK NO.	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	BY	
	DATE	

STR.	STATION	OFFSET	LT./RT.	INLET TY A 24 F&G	CB TY A 4' DIA F&G	MH TY A 4' DIA FR&CL	MH TY A 6' DIA FR&CL	STRUCTURE INVERTS				RIM ELEV
								N	S	E	W	
602	22157.8	70.8	RT				1	701.30	701.30	701.30	701.30	710.85
602A	22157.8	61.2	LT									710.85
603	22010.0	70.6	RT		1			706.25		706.25		711.50
603A	22010.0	35.5	RT	1				706.45		706.45		710.80
603B	22010.0	35.5	LT	1				706.75		706.75		710.80
801	22340.0	71.0	RT			1		704.70		702.65	702.65	710.05
801A	22340.0	30.2	RT		1			704.90		704.90		709.20
801B	22340.0	36.3	LT	1				705.20		705.20		709.20
TOTALS				2	2	2	1					

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL TY 12" FOOT	SSRG CL TY 12" FOOT	SSRG CL TY 15" FOOT	SS CL TY 1 24" FOOT	
602A	602	602A	15	127	0.76	64.1			127		
603	602	603	12	143	1.05	29.2	143				
603A	603	603A	12	31	0.57	3.0		31			
603B	603A	603B	12	65	0.44	19.6	65				
801	602	801	24	175	0.74					175	
801A	801	801A	12	37	0.49	8.8		37			
801B	801A	801B	12	63	0.45	19.7	63				
TOTAL							144	271	68	127	175

REVISIONS	
NAME	DATE

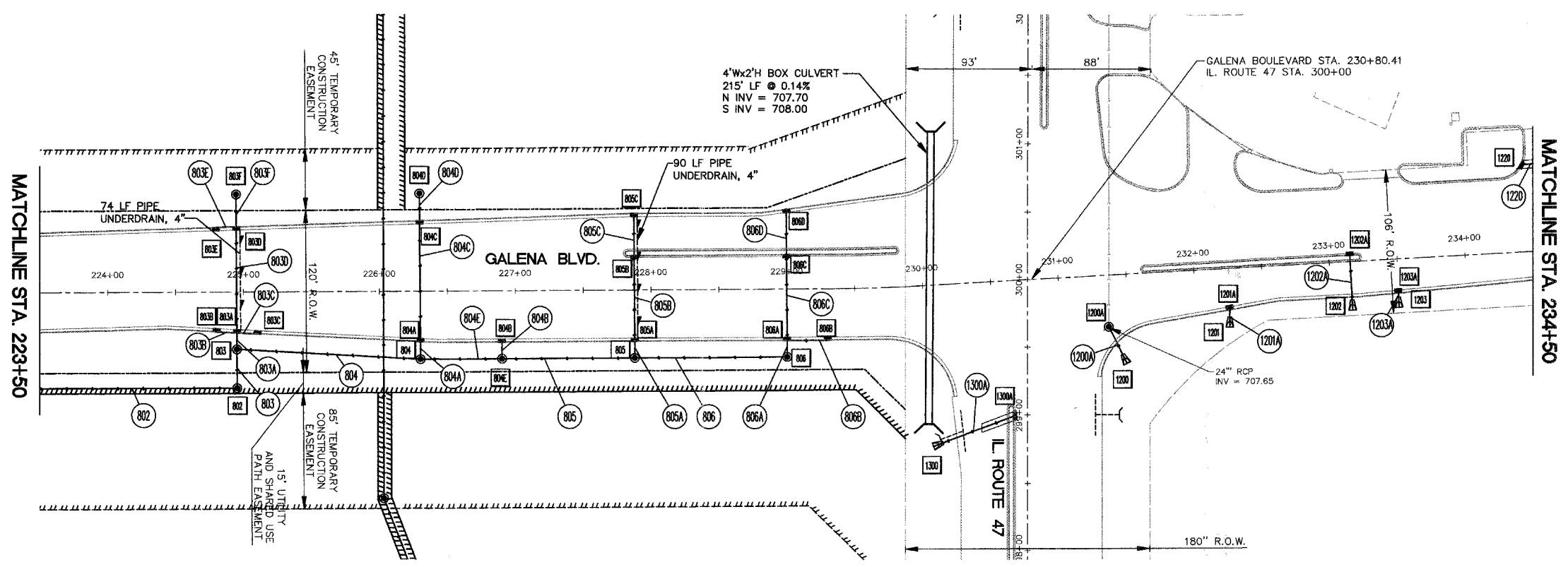
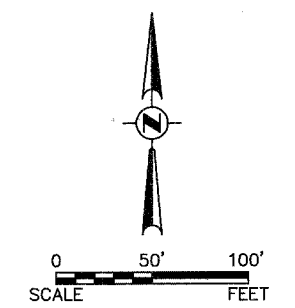
ILLINOIS DEPARTMENT OF TRANSPORTATION

GALENA BOULEVARD STORM SEWER PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	90
STA. 223+50		TO STA. 234+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN	DATE
SURVEYED	BY
NOTED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NO.	

PROFILE	DATE
SURVEYED	BY
NOTED	
GRADES	
CHECKED	
S.M. NOTED	
STRUCTURE	
NOTATIONS	
CHFD	

STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	INLET TY 11V F&G	CB TY C 2' DIA TY 11V F&G	MHTY A 4' DIA TY 1 FR&CL	PRC FES 12"	PRC FES 24"	CURB & GUTTER REM	CONC C&G TY B-6.12	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV	
											LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W		
1200	23147.4	65.9	RT		EACH	EACH	EACH	EACH	FOOT	FOOT	14	8	12					NW 707.65	N/A
1200A	23135.4	38.1	RT			1												SE 707.55	712.05
1201	23223.2	43.4	RT				1											707.80	N/A
1201A	23224.3	29.8	RT		1													708.00	711.25
1202	23315.3	35.9	RT				1											707.99	N/A
1202A	23315.3	4.5	LT		1													708.20	711.45
1203	23349.5	35.7	RT				1											708.08	N/A
1203A	23349.5	24.4	RT		1													708.20	710.90
1220	23444.1	64.3	LT	1					10	10									
TOTALS				1	3	1	3	1	10	10									

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 1 12" FOOT	SS CL A TY 1 15" FOOT	SS CL A TY 1 18" FOOT	SS CL A TY 1 21" FOOT	SS CL A TY 1 24" FOOT	SSRG CL A TY 1 24" FOOT
802	801	802	24	151	0.68							
803	802	803	24	24	0.71	5.4						24
803A	803A	803A	15	8	1.25			8				
803B	803A	803B	12	11	4.29	1.8	11					
803C	803A	803C	12	13	3.75	2.1	13					
803D	803A	803D	15	70	0.68	13.2		70				
803E	803D	803E	12	12	1.33	1.7	12					
803F	803D	803F	15	25	0.52	2.5		25				
804	803	804	21	131	0.59					131		
804A	804	804A	18	9	0.77			9				
804B	804E	804B	12	9	2.92	6.7	9					
804C	804A	804C	18	84	0.52	13.5		84				
804D	804C	804D	18	19	0.68	2.9		19				
804E	804	804E	18	56	0.67			56				
805	804E	805	18	94	0.62			94				
805A	805	805A	12	8	0.83		8					
805B	805A	805B	12	58	0.49	13.1	58					
805C	805B	805C	12	31	0.45	6.0	31					
806	805	806	15	108	0.36			108				
806A	806	806A	12	8	1.25		8					
806B	806A	806B	12	27	0.50	5.5	27					
806C	806A	806C	12	58	1.23	13.7	58					
806D	806C	806D	12	34	0.42	6.2	34					
1200A	1200	1200A	24	22	0.33	1.6					22	
1201A	1201	1201A	12	9	1.25		9					
1202A	1202	1202A	12	35	0.50	3.3	35					
1203A	1203	1203A	12	4	1.09		4					
TOTAL						99	317	211	262	131	173	24

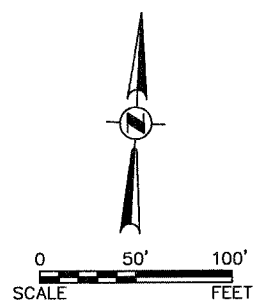
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

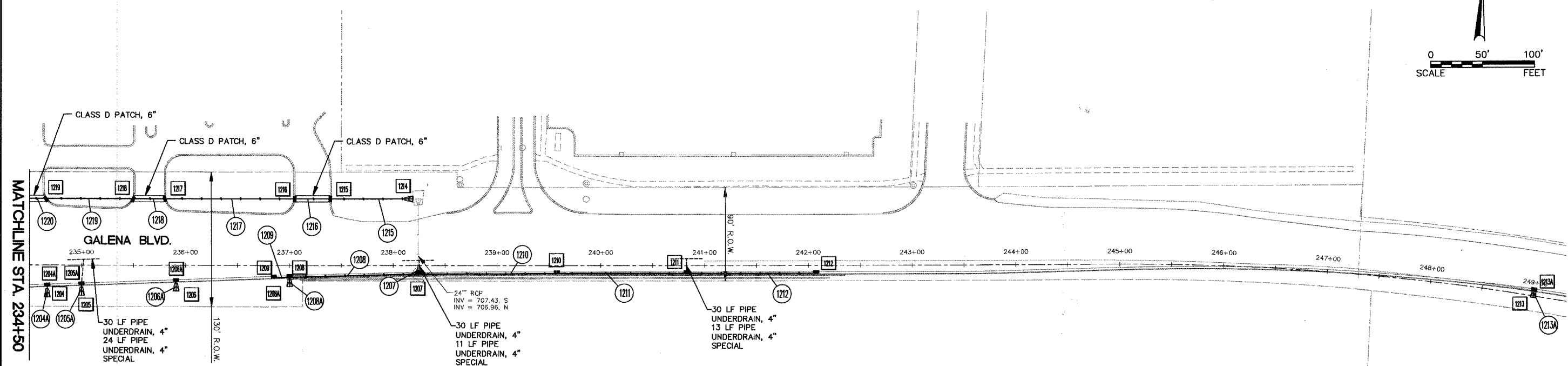
GALENA BOULEVARD STORM SEWER PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



PLAN	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
NO.	



PROFILE	DATE
SURVEYED	
DESIGNED	
CHECKED	
BY	
NO.	

STR.	STATION	OFFSET	LT/RT	INLET TY A 11V F&G	INLET TY B 11V F&G	CB TY A 4' DIA F&G	CB TY C 2' DIA F&G	MH TY A 4' DIA F&G	PRC FES 12"	CURB & GUTTER REM FOOT	CONC C&G TY B-6.12 FOOT	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV	
												LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W		
1204	23467.0	30.6	RT																	
1204A	23467.0	20.0	RT					1												N/A
1205	23500.0	28.8	RT						1											710.80
1205A	23500.0	18.7	RT					1												N/A
1206	23591.0	24.8	RT						1											710.70
1206A	23591.0	15.3	RT					1												N/A
1207	23823.8	8.0	RT					1												710.65
1208	23700.0	20.4	RT					1												710.95
1208A	23700.0	11.2	RT						1											710.55
1209	23685.1	11.7	RT	1																710.60
1210	23857.7	7.5	RT					1												710.85
1211	24032.7	7.5	RT		1															710.30
1212	24207.7	7.5	RT	1																712.65
1213	24900.0	1.5	RT					1												713.75
1213A	24900.0	5.1	LT						1											710.00
1214	23818.9	64.3	LT						1											710.55
1215	23740.8	64.3	LT	1						10	10									710.02
1216	23704.1	64.3	LT	1						10	10									707.34
1217	23581.4	64.3	LT	1						10	10									707.49
1218	23548.6	64.3	LT	1						10	10									708.04
1219	23466.9	64.3	LT	1						10	10									708.17
TOTALS				7	1	2	4	1	6	50	50									708.45

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL. A TY 1 12" FOOT	SS CL. A TY 1 15" FOOT	CLASS D PATCH TYPE 2 6" SQ YD
1204A	1204	1204A	12	4	1.18		4		
1205A	1205	1205A	12	3	0.70		3		
1206A	1206	1206A	12	2	1.11		2		
1207	EXIST	1207	24	5	1.00	1.9	5		
1208	1207	1208	12	120	0.44	41.0	120		
1208A	1208	1208A	12	2	0.56		2		
1209	1208	1209	12	12	0.67	3.5	12		
1210	1207	1210	15	130	0.34	30.2		130	
1211	1210	1211	12	122	0.44	26.9	122		
1212	1211	1212	12	123	0.96	33.4	123		
1213A	1213	1213A	12	1	1.25		1		
1215	1214	1215	12	76	0.44		76		
1216	1215	1216	12	33	0.44	5.7	33		20
1217	1216	1217	12	122	0.44		122		
1218	1217	1218	12	29	0.44	5.0	29		20
1219	1218	1219	12	80	0.33		80		
1220	1219	1220	12	21	0.33	3.6	21		12
TOTAL						151	755	130	52

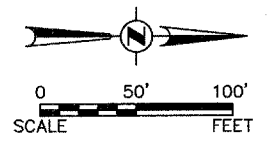
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GALENA BOULEVARD STORM SEWER PLAN

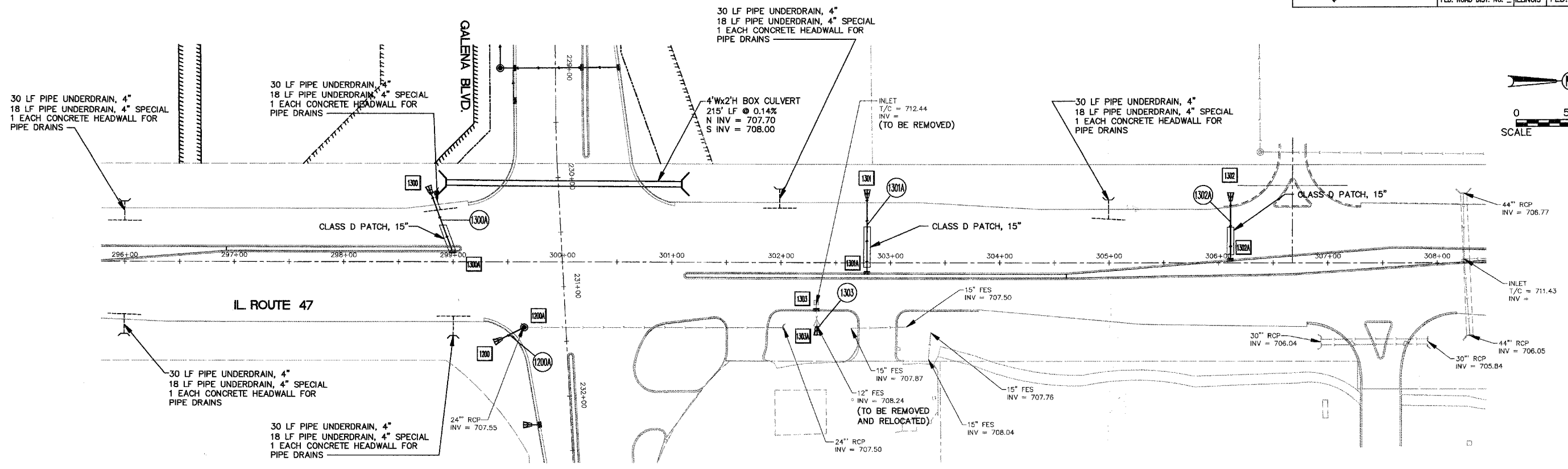
SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
DATE	

DATE	
BY	
PROFILING	
DESIGNED	
CHECKED	
DATE	



STR.	STATION	OFFSET	LT./RT.	CB TY C 2" DIA TY 11V F&G	PRC FES 12"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV	
						LENGTH	WIDTH	AREA	N	S	E	W		
1300	29877.4	69.2	LT	1	1	12	6	8					NE 708.1	N/A
1300A	29859.1	10.5	LT	1	1	12	6	8					SW 708.4	714.65
1301	30278.5	66.9	LT	1	1	12	6	8					707.50	N/A
1301A	30278.5	10.5	RT	1	1	12	6	8					707.90	713.25
1302	30611.1	64.3	LT	1	1	12	6	8					706.99	N/A
1302A	30611.1	1.5	LT	1	1	12	6	8					707.35	712.25
1303	30232.5	44.5	RT	1	1	12	6	8					708.35	712.32
TOTALS				4	3			24						

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CL A TY 1 12" FOOT	CLASS D PATCH TYPE 2 15" SQ YD
1300A	1300	1300A	12	58	0.46	18.6	58	16
1301A	1301	1301A	12	70	0.52	18.1	70	24
1302A	1302	1302A	12	56	0.57	11.3	56	16
1303	1303A	1303	12	15	0.80		15	
TOTAL						48	199	56



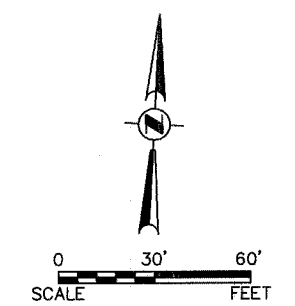
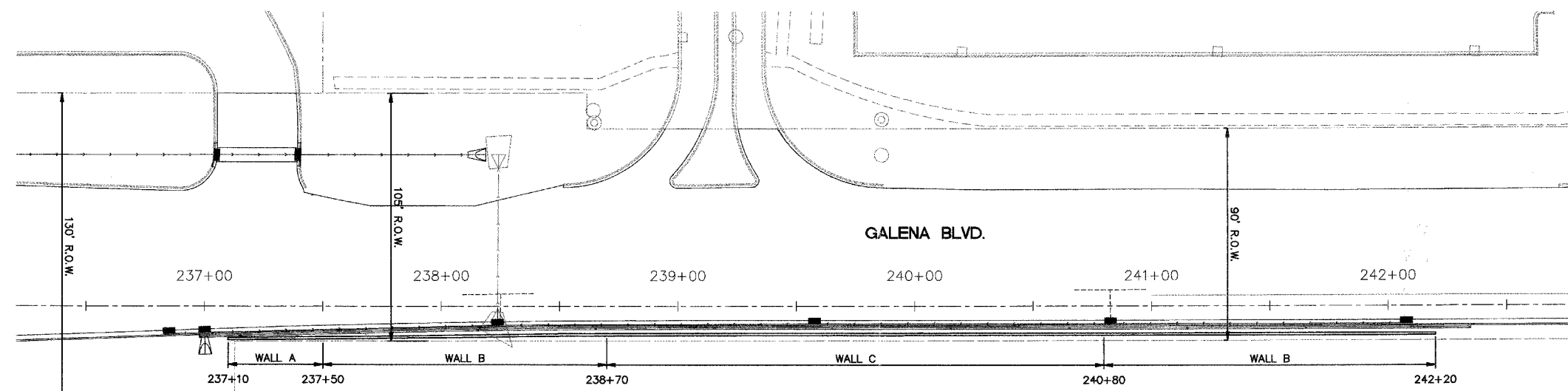
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 STORM SEWER PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



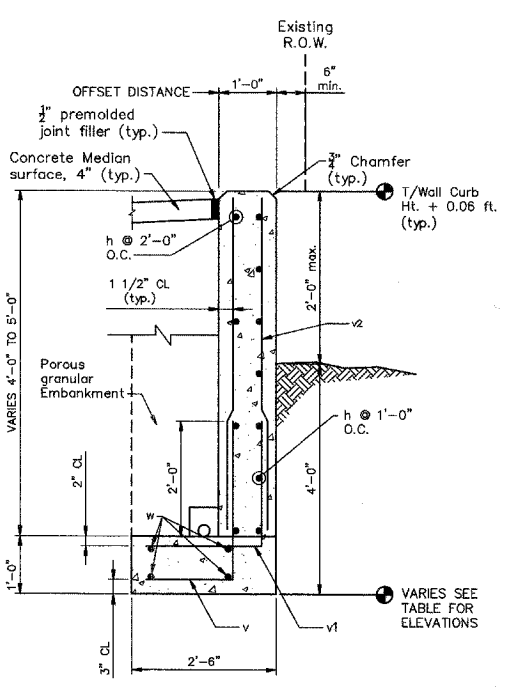
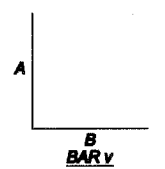
BILL OF MATERIAL

Bar	No	Size	length	Shape
v	41	4	5.33	└─┘
v1	41	4	5.17	└─┘
v2	82	4	3.83	└─┘
v3	261	4	5.17	└─┘
v4	261	4	5.67	└─┘
v5	522	4	5.33	└─┘
v6	211	5	6.67	└─┘
v7	211	5	6.17	└─┘
v8	422	4	6.33	└─┘
w	4	4	21.75	└─┘
w1	4	4	19.67	└─┘
w2	48	4	31.75	└─┘
w3	23	4	29.67	└─┘
w4	4	4	19.67	└─┘
h	8	4	21.75	└─┘
h1	8	4	19.67	└─┘
h2	125	4	31.75	└─┘
h3	58	4	29.67	└─┘
h4	11	4	19.67	└─┘
Porous Granular Embankment				CU. YD. 186
Reinforcement Bars				LB 14670
Geocomposite Wall Drain				SQ. YD. 265
Pipe Underdrains 4"				FT 510
Concrete Structures				CU. YD. 189

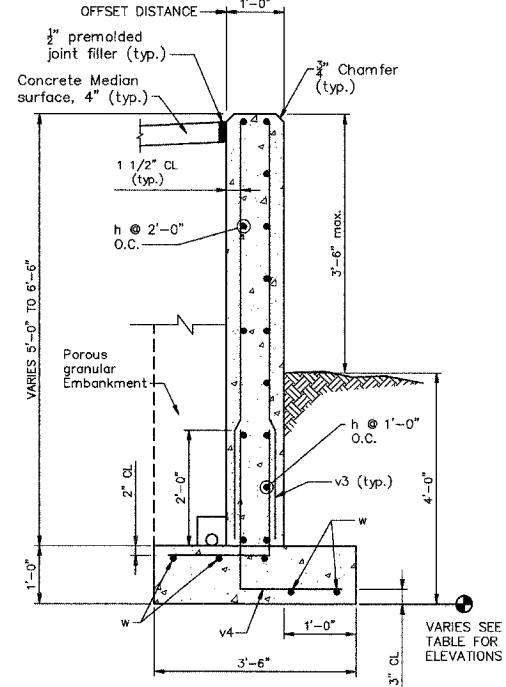
TABLE OF WALL STATION, OFFSETS, AND B/FTG ELEV.

station	offset (ft)	Joint	BTM of Footing
237+10	13.39	n/a	704'-9"
237+30	13.18	e	704'-9"
237+50	12.96	e	704'-9"
237+80	12.65	c	704'-9"
238+00	12.43	n/a	704'-9"
238+10	12.26	e	704'-9"
238+40	11.84	e	704'-9"
238+50	11.74	n/a	704'-0"
238+70	11.59	c	704'-0"
239+00	11.5	e	703'-6"
239+30	11.5	e	703'-6"
239+50	11.5	n/a	703'-6"
239+60	11.5	c	703'-6"
239+90	11.5	e	703'-6"
240+00	11.5	n/a	704'-3"
240+20	11.5	e	704'-3"
240+50	11.5	c	705'-0"
240+80	11.5	e	705'-0"
241+00	11.5	n/a	705'-9"
241+10	11.5	e	705'-9"
241+40	11.5	c	706'-9"
241+50	11.5	n/a	706'-9"
241+70	11.5	e	706'-9"
242+00	11.5	e	706'-9"
242+20	11.5	n/a	706'-9"

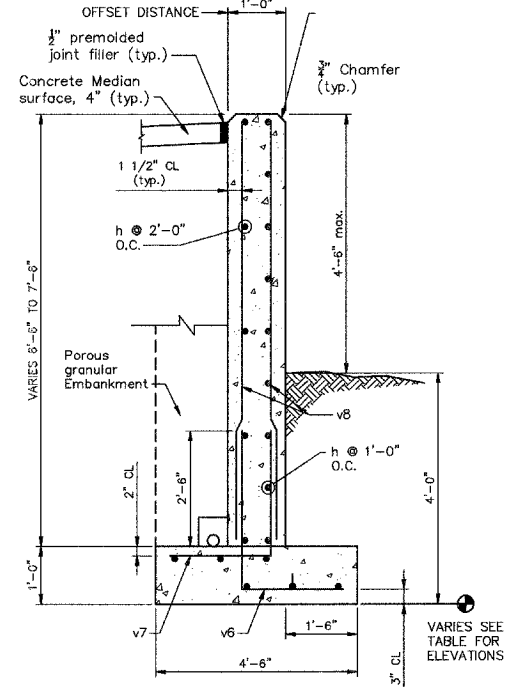
BAR	A	B
v	4'-0"	1'-4"
v1	3'-0"	2'-2"
v3	3'-0"	2'-2"
v4	4'-0"	1'-8"
v6	4'-6"	2'-2"
v7	3'-6"	2'-8"



WALL A
STA. 237+10 TO 237+50



WALL B
STA. 237+50 TO 238+70
STA. 240+80 TO 242+20



WALL C
STA. 238+70 TO 240+80

e = expansion joint
c = construction joint
Note: Slope btm of footing uniformly between Stations and Elevations given.

General Notes:

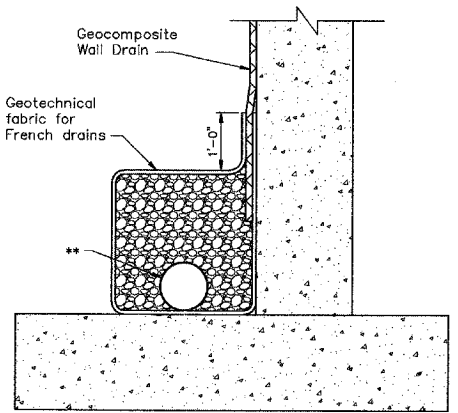
- Reinforcement shall conform to the requirements of ASTM A706 Gr 60 (IL Modified). See Special Provisions
- All Concrete shall be Class SI with a minimum compressive strength of 3,500 psi at 14 days
- Contractor shall verify location of all utilities prior to excavation and construction of retaining walls
- Backfill shall be placed evenly on both sides of the wall
- All foundations shall bear on native soil or properly compacted fill having a net minimum allowable soil bearing capacity of 1,800 psi
- Construction Joints shall be at 30 ft or less as noted in the Table of Stations and Offsets
- Expansion Joints shall be at 90 ft or less as noted in the Table of Stations and Offsets

PLAN

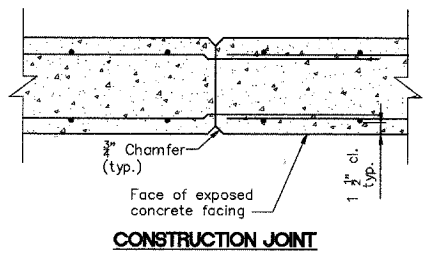
DATE	
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DESIGNED	
CHECKED	
IN CHARGE	
DATE	
BY	
DATE	
BY	

PROFILE

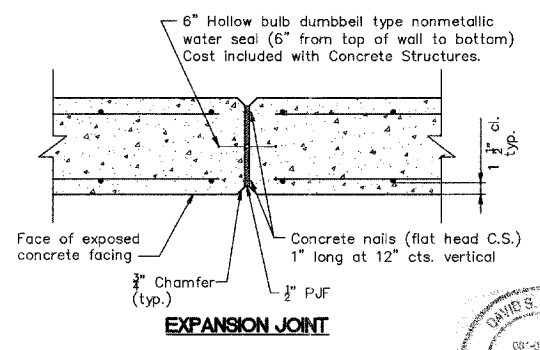
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LONGITUDINAL DRAIN DETAIL
***4\"/>

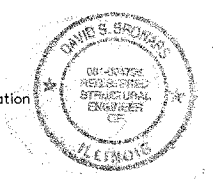


CONSTRUCTION JOINT



EXPANSION JOINT

See Table for location of joints.



ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION.
DATED AT SUGAR GROVE, ILLINOIS,
THIS 29th DAY OF May, 2008.
David S. Bronars
DAVID S. BRONARS, P.E.
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 081-004796
EXPIRATION DATE: 11/30/08

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

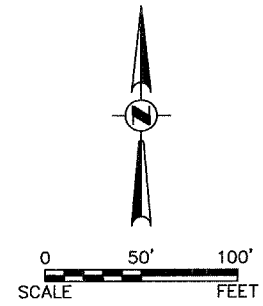
**GALENA BOULEVARD
RETAINING WALL PLAN
AND DETAILS**

SCALE: 1" = 30'
DATE: 05/27/08

DRAWN BY: KKP
CHECKED BY: DSB

Engineering Enterprises, Inc.

F.A. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	94
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN

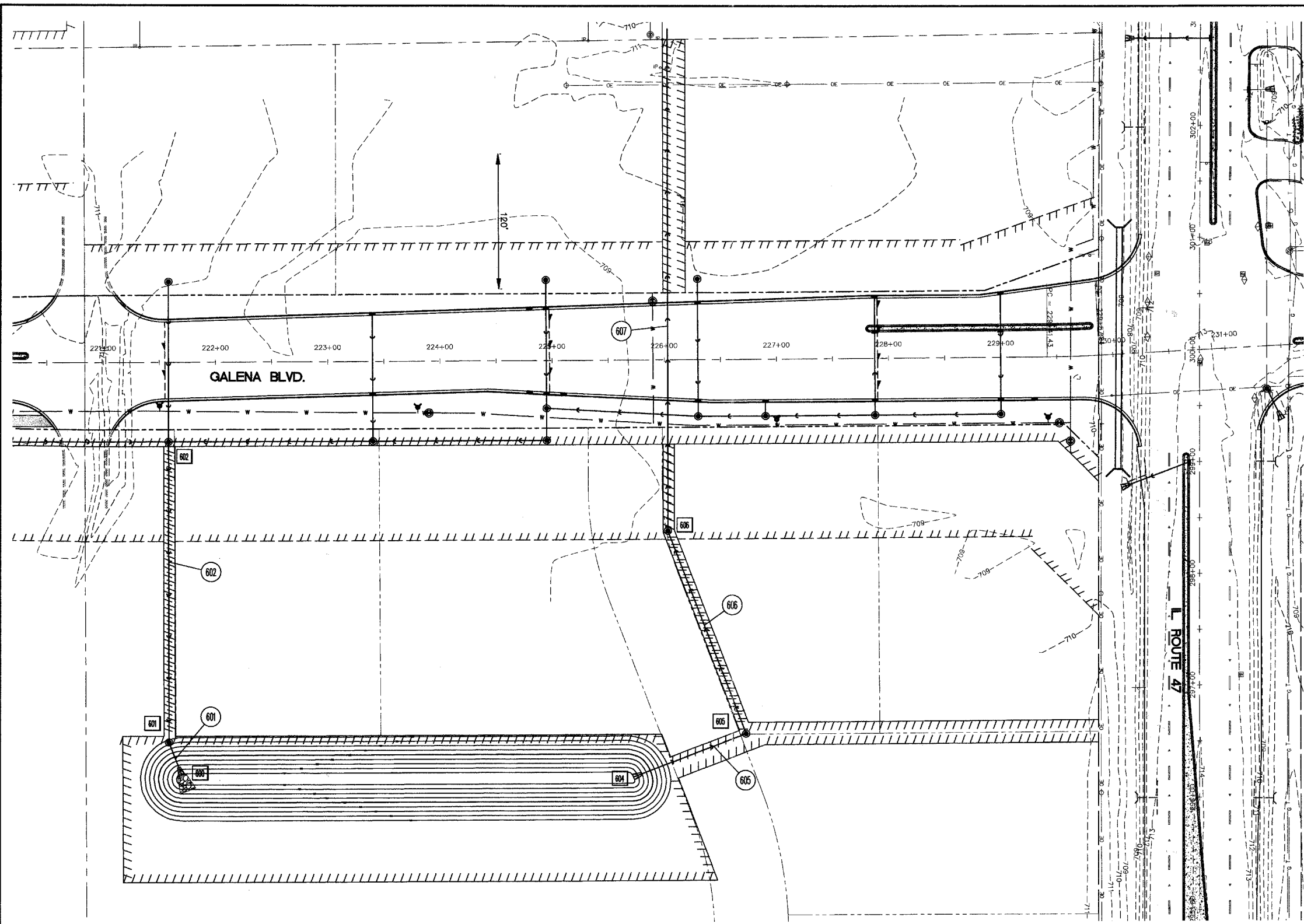
DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

NOTE BOOK NO. _____
 CHECKED BY _____
 DATE _____

PROFILE

DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

NOTE BOOK NO. _____
 CHECKED BY _____
 DATE _____



STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	FR&CL	MH TY A 4'	MH TY A 5'	PRC FES 24"	PRC FES 36"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV
									LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W	
600	22167.8	389.1	RT			1		16	9	16					SE 700.70	710.00
601	22156.5	339.9	RT			1									SE 700.80	710.00
604	22570.2	372.5	RT				1			14	8	12			NE 700.27	N/A
605	22670.9	334.5	RT			1									700.11	709.50
606	22803.1	152.9	RT			1									SE 699.82	709.50
TOTALS						1	2	1	1			28				

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN.)	LENGTH (FT)	SLOPE %	TRENCH BACKFILL CY	SS CLA TY 1 24" FOOT	SS CLA TY 1 36" FOOT
601	600	601	36	31	0.32			31
602	601	602	36	269	0.19			269
605	604	605	24	108	0.15		108	
606	605	606	24	195	0.15		195	
607	607	EXIST	24	444	0.15	172.5	444	
TOTAL						173	747	300

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

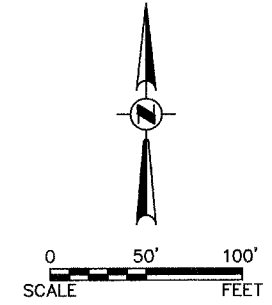
DETENTION BASIN A DETAILS

SCALE: 1" = 50'
 DATE: 02/07/08

DRAWN BY: KKP
 CHECKED BY: WBR

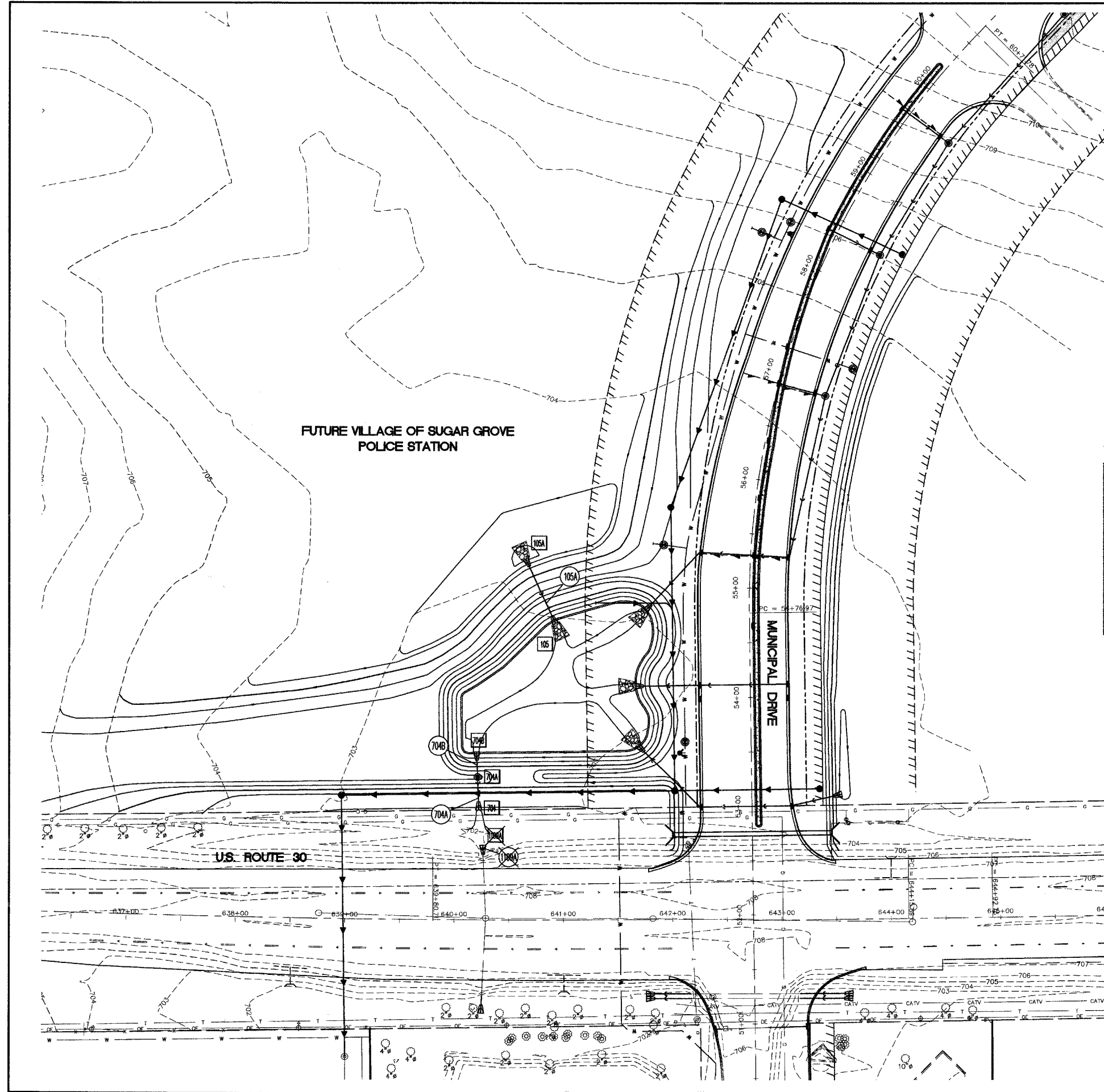


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	95
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLAN	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	

PROFILE	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	



STRUCTURE SCHEDULE

STR.	STATION	OFFSET	LT./RT.	MH DIA 5' TY 1 FR&CL	PRC FES 12"	PRC FES 18"	STONE RIPRAP CLASS A3			STRUCTURE INVERTS				RIM ELEV	
							LENGTH FOOT	WIDTH FOOT	AREA SQ. YD.	N	S	E	W		
105	5469.8	177.5	LT			1								NW 701.70	N/A
105A	5511.5	201.0	LT			1	12	6	8					SE 701.92	N/A
704	5300.0	250.1	LT		1		12	6	8	701.52					N/A
704A	5330.0	250.8	LT	1						701.63	701.63				707.50
704B	5353.2	251.2	LT		1		12	6	8			701.70			N/A
TOTALS				1	2	2			24						

DRAINAGE SCHEDULE

PIPE #	D.S. STR.	U.S. STR.	PIPE DIA. (IN)	LENGTH (FT)	SLOPE %	SS CL A TY 1 18" FOOT
105A	105	105A	18	53	0.40	53
704A	704	704A	18	14	0.30	14
704B	704A	704B	18	22	0.60	22
TOTAL						89

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

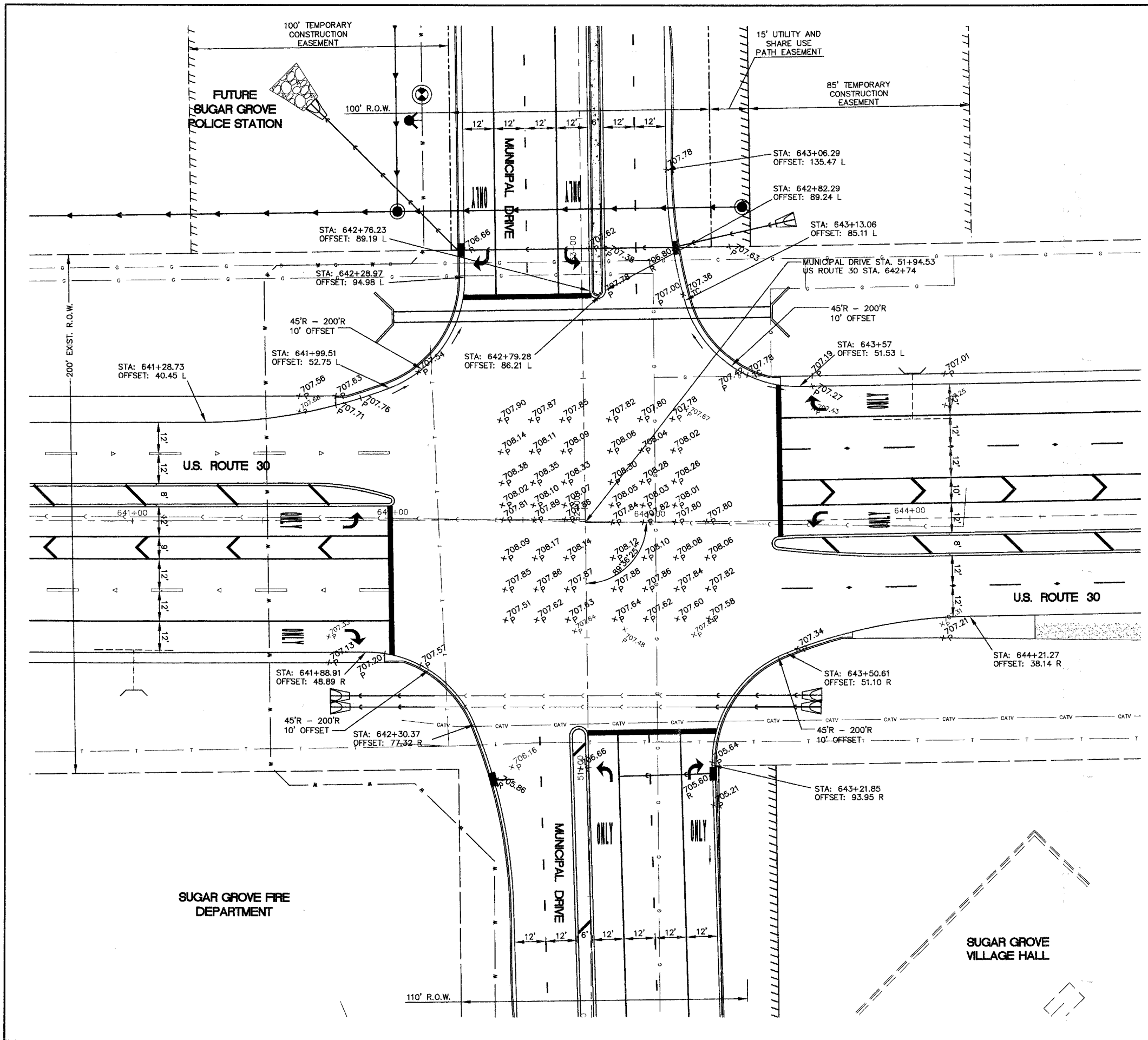
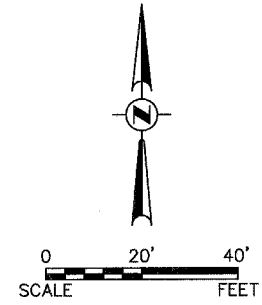
DETENTION BASIN G
DETAILS

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	96
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



PLAN	
DATE	
BY	
NO.	
FILE NAME	
NO.	
NO.	
NO.	

PROFILE	
DATE	
BY	
NO.	
NO.	
NO.	
NO.	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL – MUNICIPAL DRIVE AND U.S. ROUTE 30

SCALE: 1" = 20'
DATE: 02/07/08

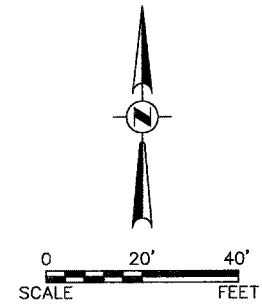
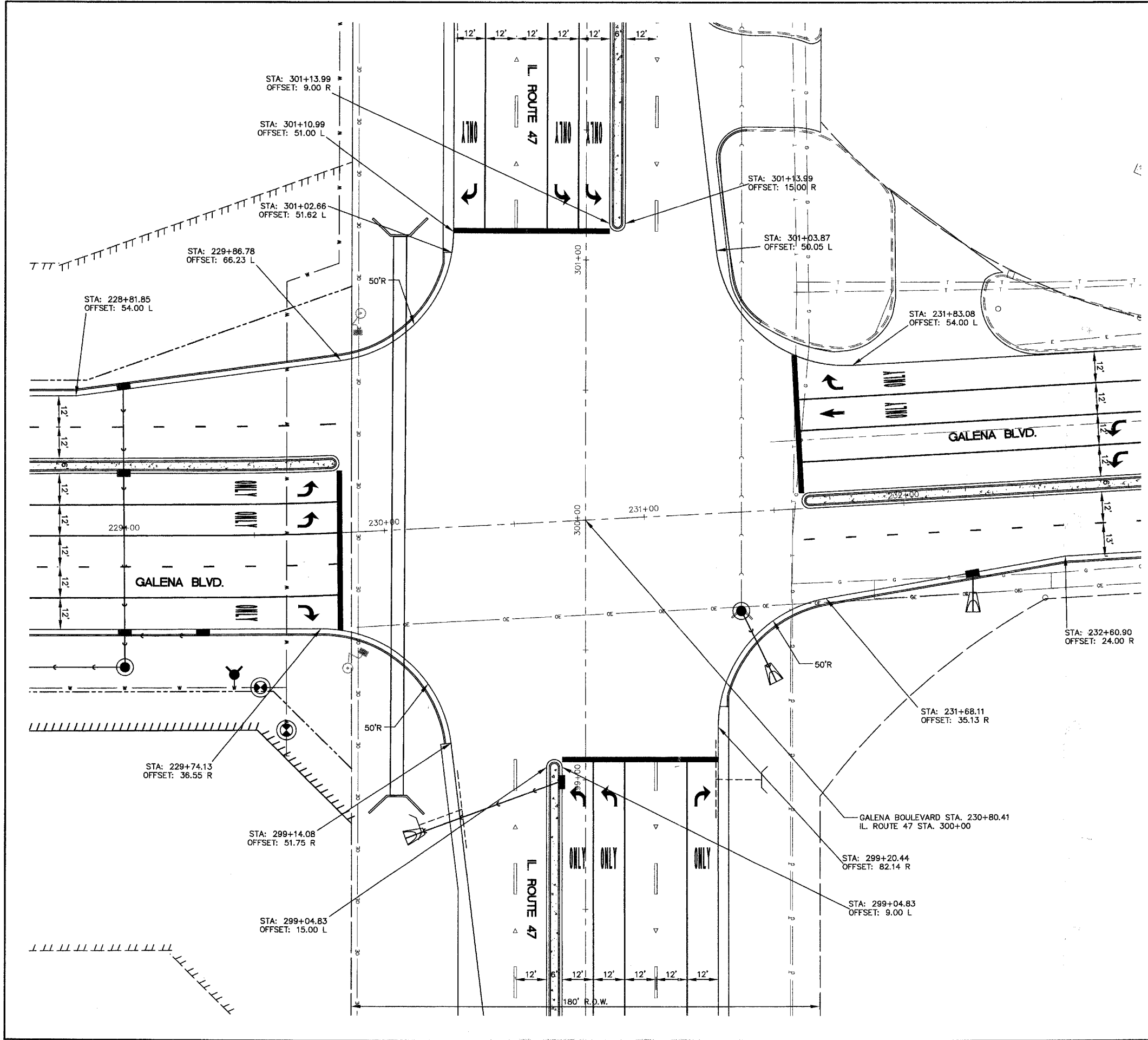
DRAWN BY: KKP
CHECKED BY: WBR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	97
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	DATE
REVISIONS	
NOTED	
ALIGNED	
CHECKED	
DATE	
BY	
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PROFILE	DATE
REVISIONS	
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GRADES	
CHECKED	
STRUCTURE	
NOTATIONS	
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DATE	
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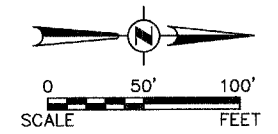
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAIL —
GALENA BOULEVARD AND
ILLINOIS ROUTE 47**

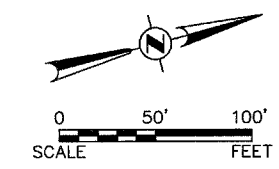
SCALE: 1" = 20'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR



- CLASS 1A SEEDING AND MULCH METHOD 3
- CLASS 2 SEEDING AND MULCH METHOD 3
- CLASS 4B SEEDING
- PERIMETER EROSION BARRIER
- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)
- INLET FILTER
- TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL SHALL BE A MINIMUM OF 4".



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MUNICIPAL DRIVE EROSION CONTROL AND SEEDING PLAN

SCALE: 1" = 50'
DATE: 02/07/08

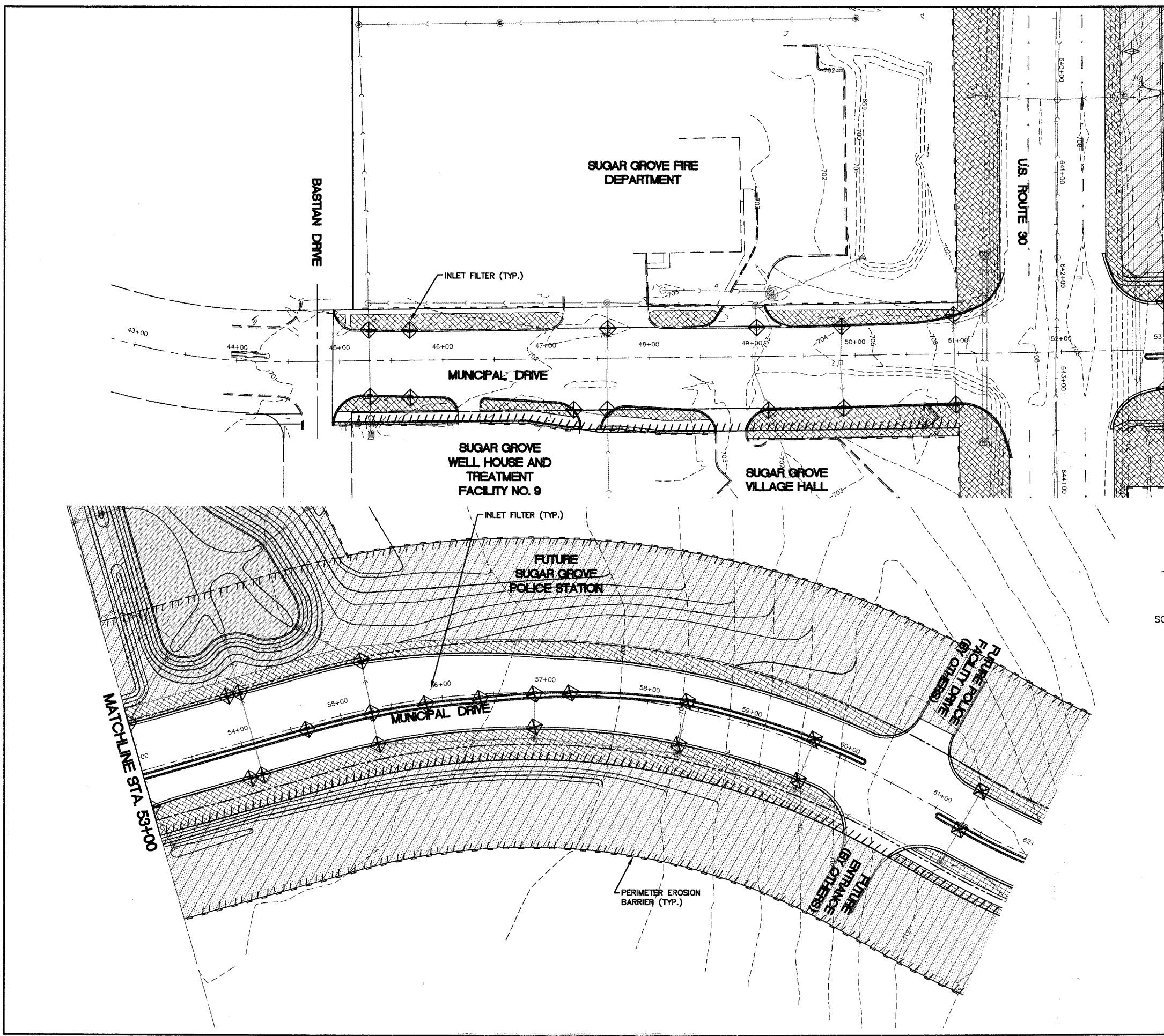
DRAWN BY: KKP
CHECKED BY: WBR

PLAN	DATE	BY

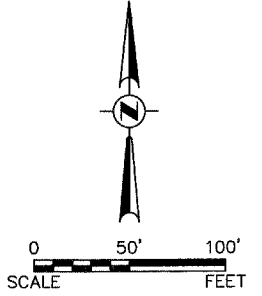
PROFILE	DATE	BY

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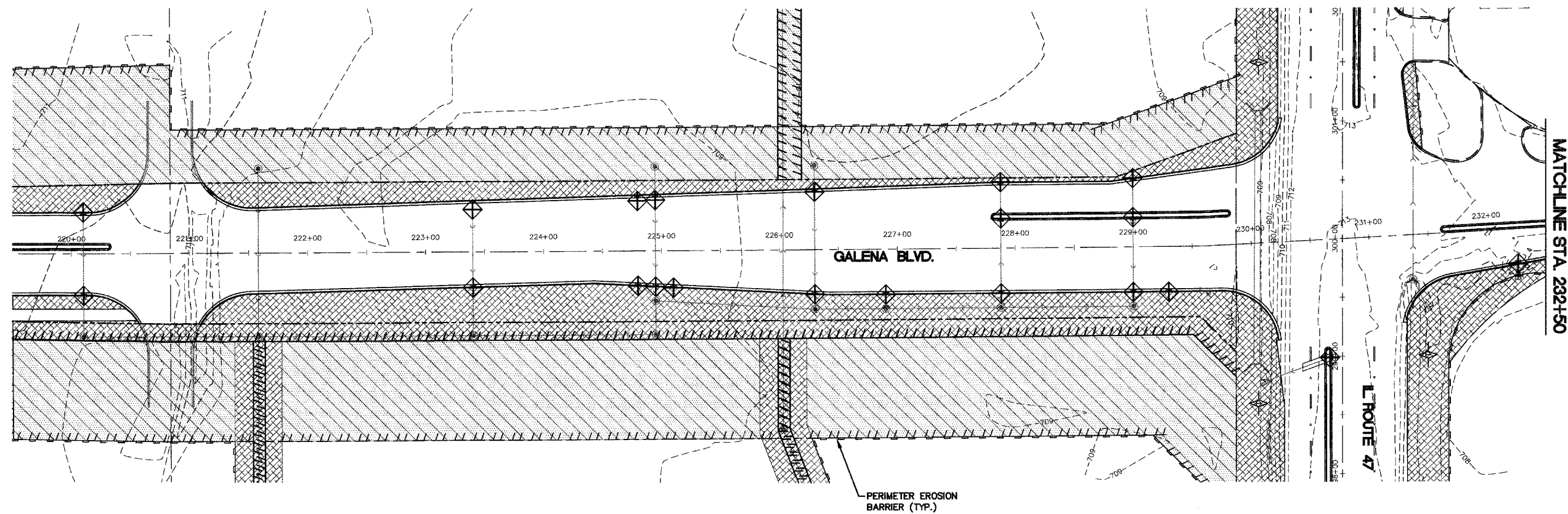
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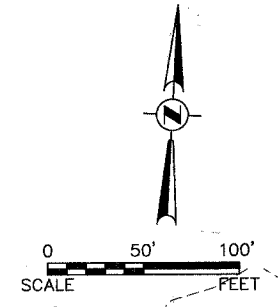
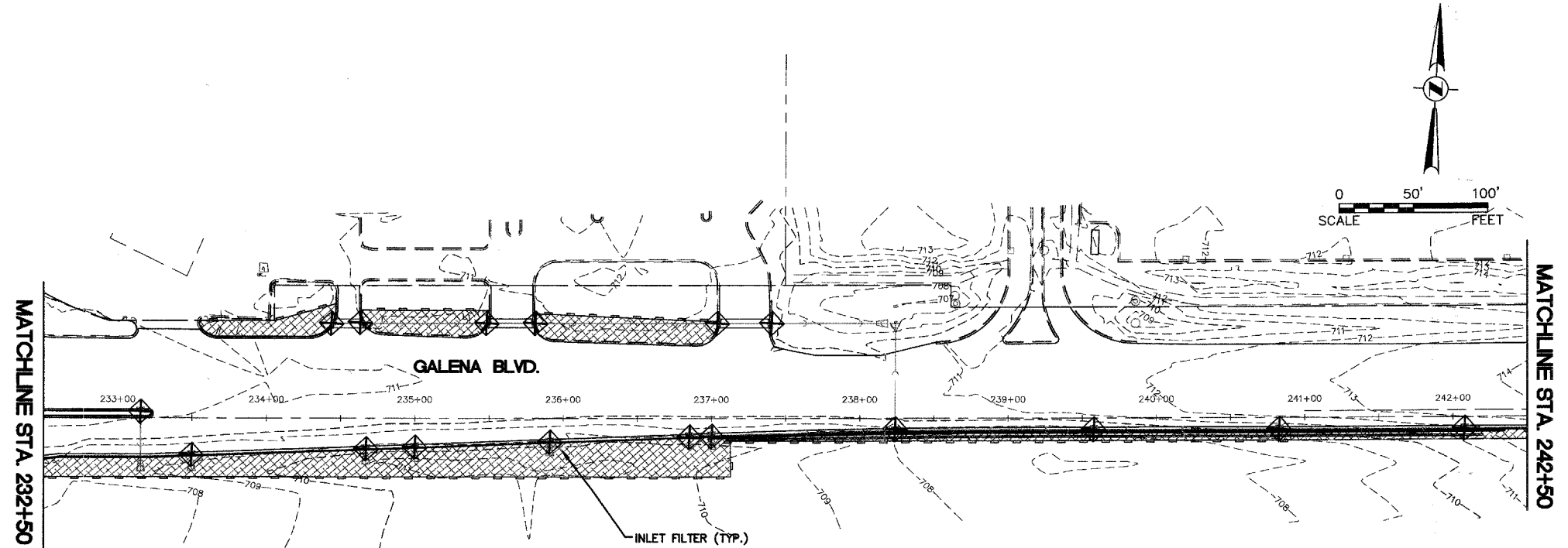
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00017-00-PV	KANE	232	99
STA. 233+50		TO STA. 241+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



PLAN	SURVEYED	DATE
	GRADES	
	ALIGNED	
	CHECKED	
	RT. OF WAY	
	CHECKED	
	NO.	
	CAUD FILE NAME	



PROFILE	SURVEYED	DATE
	GRADES	
	ALIGNED	
	CHECKED	
	B.M. NOTED	
	STRUCTURE	
	NOTATION	
	CHFD	



- CLASS 1A SEEDING AND MULCH METHOD 3
- CLASS 2 SEEDING AND MULCH METHOD 3
- CLASS 4B SEEDING
- PERIMETER EROSION BARRIER
- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)
- INLET FILTER
- TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

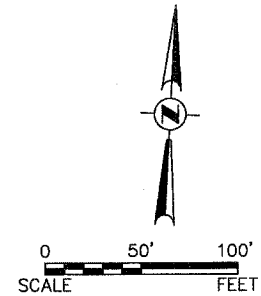
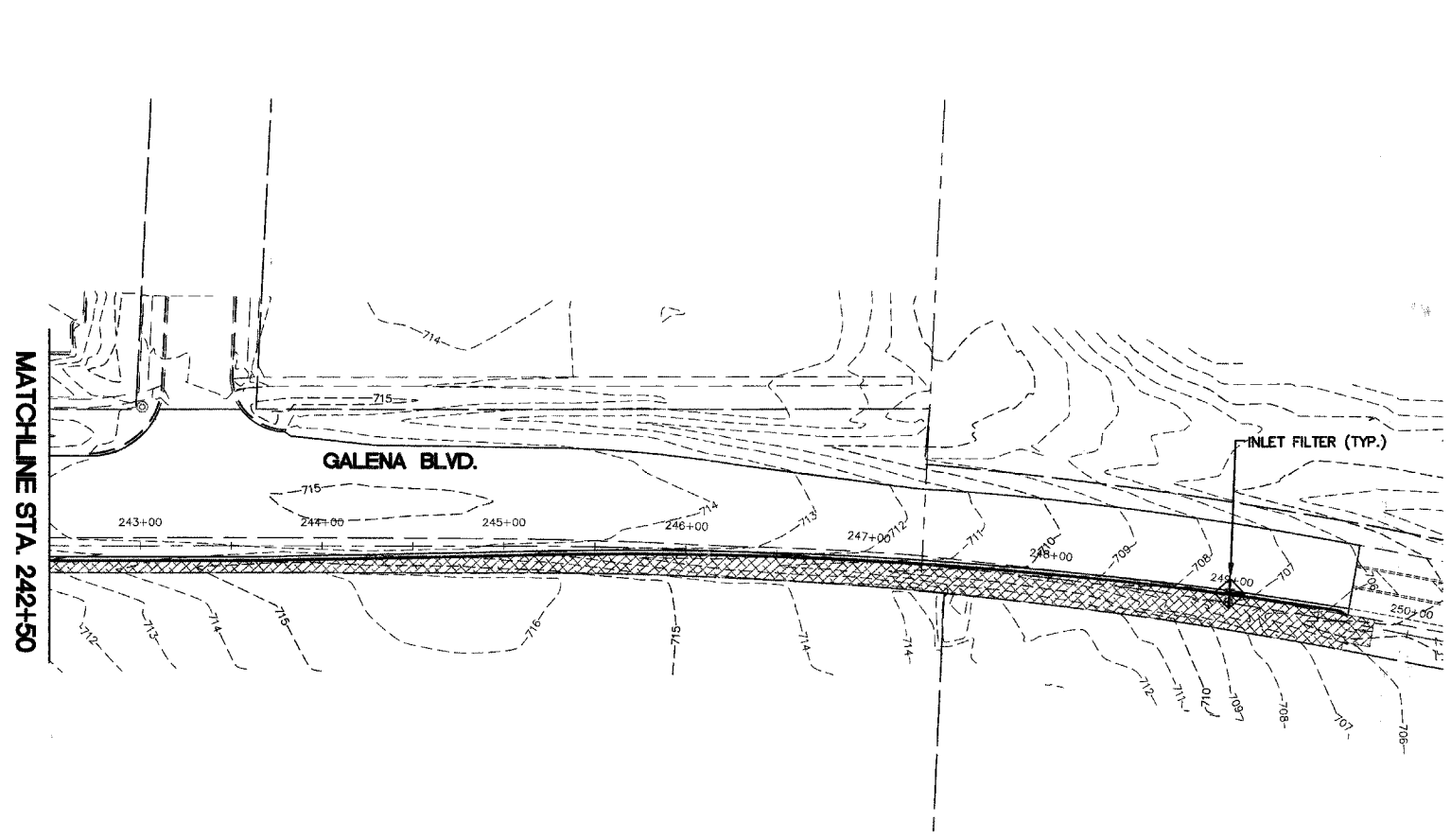
GALENA BOULEVARD EROSION CONTROL AND SEEDING PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR

PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
AS BUILT CHECKED	
NO. _____	
NOTE BOOK	
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PROFILE	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. _____	
BY	
DATE	



- CLASS 1A SEEDING AND MULCH METHOD 3
- CLASS 2 SEEDING AND MULCH METHOD 3
- CLASS 4B SEEDING
- PERIMETER EROSION BARRIER
- NITROGEN FERTILIZER NUTRIENT (90 LBS/AC)
- POTASSIUM FERTILIZER NUTRIENT (90 LBS/AC)
- PHOSPHORUS FERTILIZER NUTRIENT (90 LBS/AC)
- INLET FILTER
- TEMPORARY DITCH CHECK

THE THICKNESS OF THE TOPSOIL SHALL BE A MINIMUM OF 4".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GALENA BOULEVARD EROSION CONTROL AND SEEDING PLAN

SCALE: 1" = 50'
DATE: 02/07/08

DRAWN BY: KKP
CHECKED BY: WBR