

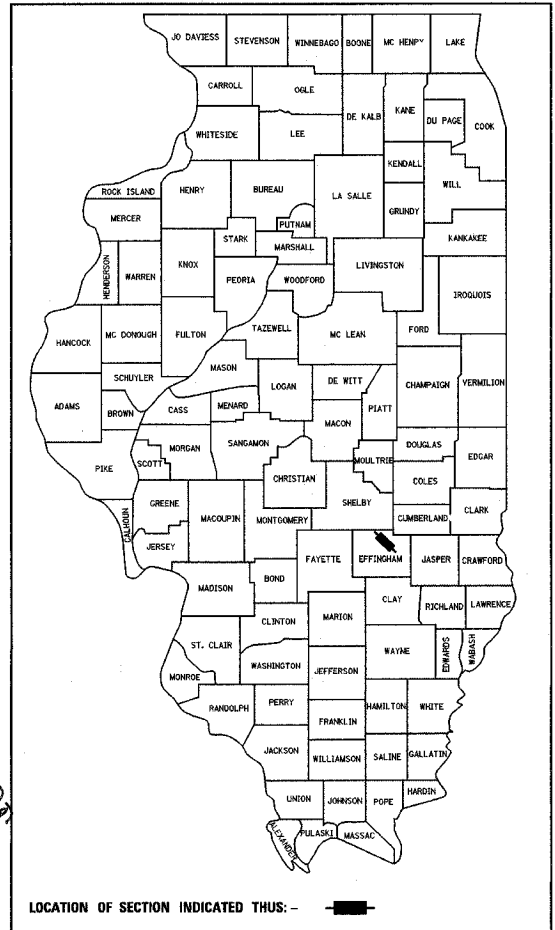
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL HIGHWAY PROJECT

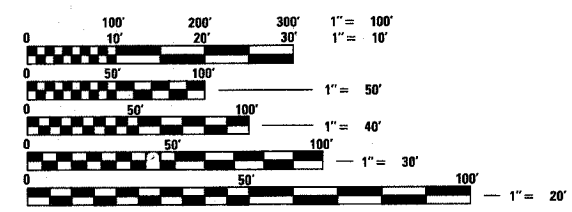
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO'S 4-9

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	1
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

D-97-012-01

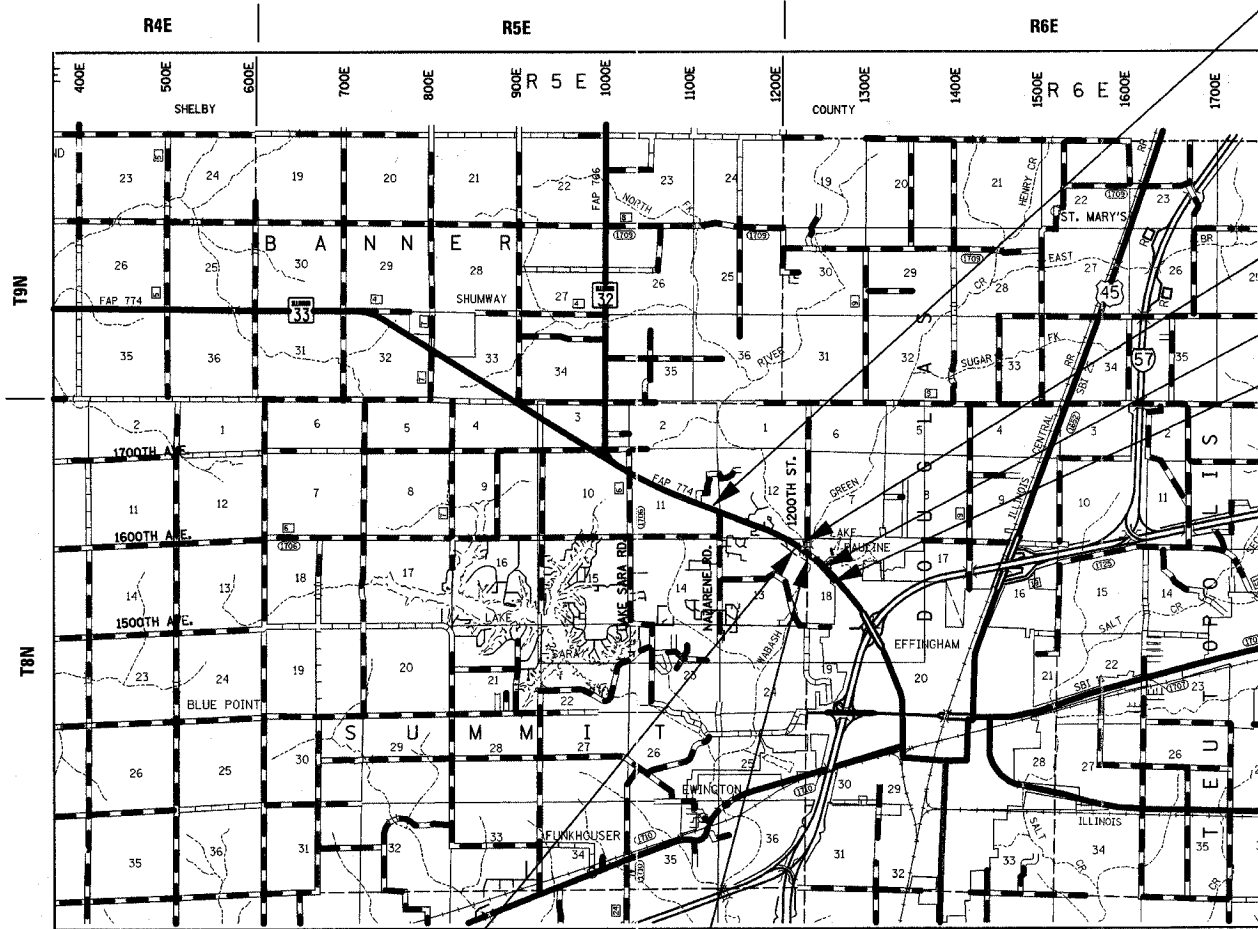


F.A.P. ROUTE 774 (ILLINOIS ROUTE 32/33)  
SECTION 107WRS-1, 107BY, 107BY-1 & 107B-2  
PROJECT: ACF-0774-(023)  
EFFINGHAM COUNTY  
C- 97-099-01



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.

FOR UNDERGROUND UTILITY LOCATIONS CALL J.U.L.I.E. TOLL FREE 1-800-892-0123 SUMMIT TOWNSHIP DOUGLAS TOWNSHIP



PROPOSED IMPROVEMENT BEGINS STA. 942 + 50.00

STRUCTURE NO. 025-3161 (EX) BRIDGE SECTION 107B-2 BEGINS STA. 203 + 77.58 ENDS STA. 204 + 90.24

STATION EQUATION STA. 1039 + 00.00 (BK) = STA. 39 + 00.00 (AH)

PROPOSED IMPROVEMENT ENDS STA. 46 + 80.05

STRUCTURE NO. 025-0078 BRIDGE SECTION 107BY BEGINS STA. 1010 + 18.59 ENDS STA. 1012 + 82.59

STRUCTURE NO. 025-0077 BRIDGE SECTION 107BY-1 BEGINS STA. 1017 + 74.09 ENDS STA. 1019 + 99.75



GROSS AND NET LENGTH OF PROJECT = 10,430 FT. = 1.98 MILES

PROJECT ENGINEER: BILL STANLEY  
SQUAD LEADER:  
TELEPHONE: 217-342-8320

DESIGN DESIGNATION: 1803 (24) ARTERIAL 3.87 (FD 20)  
ADT = 13300 (2001)

CONTRACT NO. 94827  
SUMMIT TOWNSHIP  
DOUGLAS TOWNSHIP

SHEILA J. KIMLINGER  
062-049175  
REGISTERED  
PROFESSIONAL  
ENGINEER  
STATE OF ILLINOIS

*Sheila Kimlinger*  
SHEILA J. KIMLINGER, P.E.  
DATE: March 2, 2005  
EXPIRES: 11/30/2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED MARCH 9 2005  
*Christine M. Reed*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION  
March 25, 2005  
*Mike Hine*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 2005  
*Victor Maden*  
DIRECTOR, DIVISION OF HIGHWAYS

FHWA \_\_\_\_\_ 23 \_\_\_\_\_  
DIVISION ADMINISTRATOR

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OF THE STATE OF ILLINOIS

## HIGHWAY STANDARDS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NUMBER: 273

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATION, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
420001-05	PAVEMENT JOINTS
420401-05	BRIDGE APPROACH PAVEMENT
420701-01	PAVEMENT FABRIC
482001	BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
503001-02	CONCRETE PARAPET SLIP-FORMING OPTION
515001-02	NAME PLATE FOR BRIDGES
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401	METAL END SECTION FOR PIPE CULVERTS
542406	METAL END SECTION FOR PIPE ARCHES
542606	REINFORCED CONCRETE PIPE TEE
601001	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
602301	INLET, TYPE A
602306	INLET, TYPE B
602401	MANHOLE, TYPE A
602406-01	MANHOLE, TYPE A, 72" DIAMETER
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604006-02	FRAME AND GRATE, TYPE 3
604036-01	GRATE, TYPE 8
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606101-01	TYPE A GUTTER (INLET, OUTLET AND ENTRANCE)
606301-02	PC CONCRETE ISLANDS AND MEDIANS
609006-02	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-05	STEEL PLATE BEAM GUARDRAIL
630201-09	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631026-02	TRAFFIC BARRIER TERMINAL, TYPE 5 & 5A
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
666001	RIGHT OF MARKERS
667101	PERMANENT SURVEY MARKERS
701001-01	OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') MIN. AWAY FOR SPEEDS ≥ 45 MPH
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO PAVEMENT EDGE FOR SPEEDS > 45 MPH
701011-01	OFF-ROAD MOVING OPERATIONS 2L, 2W DAY ONLY FOR SPEEDS ≥ 45 MPH
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY ON-ROAD TO 600 mm (24") OFF-ROAD FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45 MPH
701321-08	LANE CLOSURE, 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701501-03	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 21-6	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		HIGHWAY STANDARDS AND INDEX OF SHEETS
DATE 8/02		DRAWN BY ASB CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	3

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

## GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.
- THE WORK INCLUDED IN THIS SECTION CONSISTS OF REHABILITATING AND WIDENING APPROXIMATELY 1.98 MILES OF F.A.P. ROUTE 774 (IL RTE 32/33) BY MILLING, WIDENING OF PAVEMENT, SHOULDERS, REALIGNING DITCHES, RESURFACING, EXTENDING, REMOVING AND REPLACING CULVERTS, RETAINING WALLS, AND PAVEMENT REMOVAL.
- THIS PROJECT ALSO INCLUDES WIDENING OF BRIDGES OVER LITTLE WABASH RIVER AND LITTLE WABASH RIVER OVERFLOW AND TOTAL REPLACEMENT OF BRIDGE OVER GREEN CREEK.
- THE PROPOSED PROJECT BEGINS 0.23 MILES WEST OF THE INTERSECTION OF IL ROUTE 32/33 AND NAZARENE RD AT STA. 942+50.00 AND EXTENDS IN AN EASTERLY DIRECTION A DISTANCE OF 1.98 MILES TO STA. 46+80.05 EAST OF FORD AVE IN EFFINGHAM, IL.
- PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, AS SHOWN ON THE PLANS, AND AS DETERMINED BY THE ENGINEER.

TEMPORARY PAINT PAVEMENT MARKING APPLIED TO BINDER COURSE CONSISTS OF THE FOLLOWING:

	STAGE I	STAGE II	STAGE III
LETTERS & SYMBOLS	37	0	0
LINE 4"	20,820	19,592	544
LINE 12"	510	510	0

PAVEMENT MARKING TAPE, TYPE III, 4" APPLIED AT THE BRIDGES CONSISTS OF THE FOLLOWING:

	STAGE I	STAGE II	STAGE III
	0	1,373	1,373

SHORT TERM PAVEMENT MARKING APPLIED ON THE FINAL SURFACE SHALL BE TAPE. STAGE III FINAL SURFACE 1,057 5,006

TEMPORARY PAVEMENT MARKING APPLIED ON THE FINAL SURFACE SHALL BE TAPE. EXCEPT, MARKING PLACED PRIOR TO THE WINTER SHUTDOWN SHALL BE PAINT. QUANTITIES CONSIST OF:

LETTER & SYMBOLS	1,222 SQUARE FEET OF WHITE.
LINE 4"	27,088 FEET OF YELLOW AND 21,223 FEET OF WHITE.
LINE 6"	4,631 FEET OF YELLOW.
LINE 12"	489 FEET OF YELLOW AND 781 FEET OF WHITE.
LINE 24"	182 FEET OF WHITE.

FINAL PAVEMENT MARKINGS:

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LETTERS & SYMBOLS CONSISTS OF 1,222 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 4" CONSISTS OF 27,088 FEET OF YELLOW AND 21,233 FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 6" CONSISTS OF 4,631 FEET OF YELLOW.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 12" CONSISTS OF 489 FEET OF YELLOW AND 781 FEET OF WHITE.

THE TOTAL QUANTITY OF EPOXY PAVEMENT MARKING - LINE 24" CONSISTS OF 182 FEET OF WHITE.

- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, THE PLANS, AND AS DETERMINED BY THE ENGINEER. THE FINAL PAVEMENT MARKINGS SHALL BE PLACED PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS. ESTIMATED QUANTITIES:

CRYSTAL (MONODIRECTIONAL)	467 EACH
CRYSTAL (BIDIRECTIONAL)	0 EACH
AMBER (MONODIRECTIONAL)	445 EACH
AMBER (BIDIRECTIONAL)	38 EACH
TOTAL	952 EACH

- THE CONTRACTOR SHALL PROVIDE AN ENGINEERS FIELD OFFICE TYPE A IN ACCORDANCE WITH ARTICLE 670.02 OF THE STANDARD SPECIFICATIONS.
- THE FOLLOWING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE D, N70 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE-MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP% (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5
FRICITION AGGREGATE:	MIXTURE D

- THE FOLLOWING LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	LEVELING BINDER-MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP% (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS CONCRETE BASE COURSE, SUPERPAVE, 11 3/4" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BASE COURSE-MAINLINE
AC/PG:	PG 64-22
RAP% (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-19.0
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D N90 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE - MAINLINE & PUBLIC ROADS
AC/PG:	SBS PG 70-22
RAP% (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5
FRICITION AGGREGATE:	MIXTURE D

- THE FOLLOWING LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90 MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	LEVELING BINDER - MAINLINE & PUBLIC ROADS
AC/PG:	PG 64-22
RAP% (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5
FRICITION AGGREGATE:	N/A

- THE FOLLOWING BITUMINOUS SHOULDERS, SUPERPAVE, 8" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BITUMINOUS SHOULDERS
AC/PG:	PG 58-22
RAP% (MAX)	50%
DESIGN AIR VOIDS:	2.0% @ NDESIGN = 30
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	N/A
FRICITION AGGREGATE:	N/A

- THE FOLLOWING INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE - DRIVEWAYS
AC/PG:	PG 64-22
RAP% (MAX)	15%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5
FRICITION AGGREGATE:	MIXTURE C

- THE FOLLOWING BITUMINOUS BASE COURSE SUPERPAVE 6", 8", AND 9 1/2" MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	BASE COURSE-PUBLIC ROADS & DRIVEWAYS
AC/PG:	PG 64-22
RAP% (MAX)	25%
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-19.0
FRICITION AGGREGATE:	N/A

- THE CONTRACTOR WILL BE REQUIRED TO FOG COAT ALL INTERMEDIATE LIFTS OF BITUMINOUS BASE COURSE SUPERPAVE, 9 1/4" AND 11 3/4" WITH AN EMULSIFIED POLYMER PRIME PRODUCT CLASSIFIED AS SS-IHP. THIS PRODUCT WILL ALSO BE USED AS THE BITUMINOUS MATERIAL (PRIME COAT) BEFORE ANY LEVELING BINDER IS LAID.

- ANY AREAS OF NEW WIDENING OVER EXISTING DITCHES WHERE SHOWN ON THE PLANS TO BE UNDERCUT BEYOND TOP SOIL REMOVAL SHALL BE PAID FOR AS EARTH EXCAVATION. THE MATERIAL OBTAINED FROM THE UNDERCUT AND CHANNEL EXCAVATION OPERATIONS SHALL NOT BE INCORPORATED INTO THE PROPOSED PAVEMENT OR SUB-BASE, BUT MAY BE USED IN THE EMBANKMENT SIDE SLOPES. THE EXCAVATED ROOT ZONE MATERIAL SHALL NOT BE INCORPORATED INTO THE PROPOSED EMBANKMENT.

FROM THE BEGINNING OF THE PROJECT TO STATION 1026+03.00 AND FROM STATION 1033+86.00 TO THE END OF THE PROJECT THE EXISTING TOP SOIL WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED, STOCKPILED AND PLACED ON DISTURBED AREAS AS SHOWN ON THE PLANS.

- POINTS OF GRADE FOR STORM SEWER CASTINGS ARE AS FOLLOWS:

TYPE 1 - TOP OF CASTING
TYPE 3 - EDGE OF PAVEMENT
TYPE 8 - TOP OF HORIZONTAL RIM OF CASTINGS

- PORTIONS OF EXISTING CULVERTS MAY BE REMOVED TO FACILITATE THEIR EXTENSION. THE LOCATIONS AND REMOVAL AREAS SHALL BE DETERMINED BY THE ENGINEER. THE COST OF THE REMOVAL SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF THE PROPOSED CULVERTS INVOLVED AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.

- ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON U.S.G.S. DATUM.

- RIGHT-OF-WAY MARKERS SHALL BE ERECTED WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT-OF-WAY MARKER WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE.

- ANY SECTION CORNERS DISTURBED DURING CONSTRUCTION SHALL BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. A LIST OF SECTION CORNERS WITHIN THE PROJECT LIMITS IS CONTAINED IN THE RIGHT-OF-WAY PLANS.

- ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEED. SEEDING SHALL BE CLASS 2 IN ACCORDANCE WITH THE SPECIFIC PROVISIONS AND THE APPLICABLE ARTICLES OF SECTION 250 OF THE STANDARD SPECIFICATIONS. THE FOLLOWING APPLICATION RATE SHALL BE USED FOR THE VARIOUS ITEMS NECESSARY FOR SEEDING:

NITROGEN FERTILIZER NUTRIENTS	- 90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	- 90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENTS	- 90 LB/ACRE
AGRICULTURAL GROUND LIMESTONE	- 2 TONS/ACRE

- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF ACTIVITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

- THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO MAINTAIN DRAINAGE DURING STAGE CONSTRUCTION OF THE BOX AND PIPE CULVERTS.

- THE TEMPORARY CONCRETE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS AND AS FOLLOWS:

TEMPORARY CONCRETE BARRIERS (STATE OWNED) REQUIRED FOR THE STAGE CONSTRUCTION OF THE BRIDGES ARE STORED AT THE EFFINGHAM IDOT MAINTENANCE YARD. THIS YARD IS LOCATED 1.6 KM (1 MILE) WEST OF EFFINGHAM ON U.S. 40. A MINIMUM OF 48 HOURS NOTICE WILL BE REQUIRED TO ARRANGE PICK UP AND RETURN OF THE BARRIERS. STATE MAINTENANCE FORCES WILL NOT LOAD OR UNLOAD THE BARRIERS.

- THE CONTRACTOR WILL BE RESPONSIBLE FOR RELOCATING SIGNS OR DELIVERING EXISTING SIGNS TO THE IDOT DISTRICT 7 SIGN SHOP AS DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL ITEMS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROUTE-SIGNS SUCH AS STOP SIGNS, SPEED LIMIT SIGNS ETC. AND THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL PAY ITEMS.

- ALL DRIVEWAYS AND PUBLIC ROADS BEING RECONSTRUCTED SHALL BE COMPLETED IN STAGES TO ALLOW ACCESS AT ALL TIMES.

- COURSE AGGREGATE FOR "AGGREGATE SURFACE COURSE TYPE B" AND "AGGREGATE SHOULDERS" SHALL BE CRUSHED STONE, WITH MINIMUM IBR=80.

- THE TOP 12 INCHES OF EMBANKMENT UNDER THE PAVEMENT WIDENING AND SHOULDERS SHALL BE MATERIALS COMPATIBLE WITH "PROCESSING LIME MODIFIED SOILS."

- EXISTING REMOVED RIPRAP MAY BE USED IN EMBANKMENT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THIS WORK IS NOT PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF EARTHWORK.

- TOPSOIL AND EARTH STOCK PILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS. COST INCLUDED IN COST OF VARIOUS EARTHWORK AND TOPSOIL QUANTITIES.

- THE AREA AND DEPTH OF UNSUITABLE UNDERCUT SHOWN ON THE PLANS STA. 952+00.00 TO STA. 962+00.00 IS AN ESTIMATE ONLY. THE FINAL AREA AND DEPTH OF UNDERCUT SHALL BE DETERMINED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

- ALL BACK SLOPES SHALL BE PLANTED IN NATIVE GRASSES AND FORBS AS PER SECTION 250 FOR CLASS 4A AND CLASS 5 EXCEPT IN THE LITTLE WABASH RIVER BOTTOM LAND WHERE A CLASS 4B AND 5B WETLAND SHALL BE USED.

## COMMITMENTS

- IN ORDER TO REDUCE DAMAGE TO THE LITTLE WABASH RIVER, THE STANDARD SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL SHOULD BE STRICTLY ADHERED TO. THE CONTRACTOR WILL STRICTLY APPLY EROSION CONTROL MEASURES (WITH DAILY INSPECTIONS) TO AVOID SEDIMENT FROM ENTERING THE RIVER. THE OPERATION OF HEAVY EQUIPMENT IN THE RIVER SHOULD BE AVOIDED OR MINIMIZED.
- IN ORDER TO AVOID INFESTATION OF THE LITTLE WABASH RIVER WITH ZEBRA MUSSELS, THE CONTRACTOR WILL GIVE WRITTEN CERTIFICATION THAT (1) ALL EQUIPMENT TO BE USED IN THE RIVER HAS NEVER BEEN IN ZEBRA MUSSEL INFESTED WATERS (SUCH AS THE OHIO, ILLINOIS, OR MISSISSIPPI RIVERS, OR LAKE MICHIGAN), OR (2) IF IT HAS, IT HAS BEEN COMPLETELY DRY FOR AT LEAST 21 DAYS (INCLUDING BILGES, WELLS, OR OTHER PARTS OF THE EQUIPMENT THAT COULD HOLD MOISTURE, OR CLUMPS OF WEEDS THAT MAY HAVE BECOME STUCK TO THE EQUIPMENT) AND HAS BEEN INSPECTED FOR ZEBRA MUSSEL ADULTS AND JUVENILES (WHICH CAN BE MICROSCOPIC, GIVING THE EQUIPMENT A GRITTY FEELING) PRIOR TO ENTERING THE LITTLE WABASH RIVER, OR (3) AS THE LEAST DESIRABLE OPTION, HAS HAD ALL VISIBLE VEGETATION REMOVED FROM PARTS THAT WERE IN THE WATER, AND HAS BEEN APPROPRIATELY CLEANED (E.G. WITH BLEACH OR A HOT PRESSURE SPRAY OF AT LEAST 140 F FOR AT LEAST 5 MINUTES), AND HAS BEEN INSPECTED FOR ZEBRA MUSSEL ADULTS AND JUVENILES PRIOR TO ENTERING THE RIVER. "EQUIPMENT" INCLUDES WORKING PLATFORM, AS WELL AS BOATS, CRANES, CONSTRUCTION VEHICLES, ETC. SEE SPECIAL PROVISIONS FOR CONTRACTOR CERTIFICATION STATEMENT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p style="text-align: center;">GENERAL NOTES AND COMMITMENTS</p> <p style="text-align: right;">DRAWN BY MLO CHECKED BY SJK</p>

DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	4
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
2010010	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	685	657	28					
2010020	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	739	504	235					
20100500	TREE REMOVAL, ACRES	ACRE	3.9	0.3	3.6					
20200100	EARTH EXCAVATION	CU YD	59,872	31,742	28,130					
20200300	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	356	12	344					
20200410	EARTH EXCAVATION (SPECIAL)	CU YD	13,527						13,527	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,743	1,743						
20300100	CHANNEL EXCAVATION	CU YD	3,724	3,724						
20400800	FURNISHED EXCAVATION	CU YD	1,779	1,779						
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,130			568	509	53		
20800150	TRENCH BACKFILL	CU YD	200	97	103					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	10,331		10,331					
2101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	15,912	13,639	2,273					
25000210	SEEDING, CLASS 2A	ACRE	12.7	9.3	3.4					
25000312	SEEDING, CLASS 4A	ACRE	5.4	4.0	1.4					
25000314	SEEDING, CLASS 4B	ACRE	2.4	2.4						
25000320	SEEDING, CLASS 5	ACRE	5.4	4.0	1.4					
25000324	SEEDING, CLASS 5B	ACRE	2.4	2.4						
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,845	1,413	432					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,845	1,413	432					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,845	1,413	432					
25000700	AGRICULTURAL GROUND LIMESTONE	TON	41.0	31.4	9.6					
25100120	MULCH, METHOD 2	TON	41.0	31.4	9.6					
25100630	EROSION CONTROL BLANKET	SQ YD	1,160	110	1,050					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,050	1,570	480					
28000300	TEMPORARY DITCH CHECKS	EACH	154	95	59					
28000400	PERIMETER EROSION BARRIER	FOOT	1,615	1,080	535					
28000500	INLET AND PIPE PROTECTION	EACH	30	15	15					
28100107	STONE RIPRAP, CLASS A4	SQ YD	8,276	2,812	1,071	2,295	1,010	1,088		
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	8,771	2,812	1,566	2,295	1,010	1,088		
28400100	GABIONS	CU YD	603	12	591					
30200650	PROCESSING MODIFIED SOILS 12"	SQ YD	43,730	35,765	3,965					
30201500	LIME	TON	1,021	1,002.1	100.0					
3100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	4,122	3,094	1,028					
3100500	SUB-BASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	10,331		10,331					
3101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	3,310	2,579	731					
35101400	AGGREGATE BASE COURSE, TYPE B	TON	312	193	119					
40200700	AGGREGATE SURFACE COURSE, TYPE A, 8"	SQ YD	510	510						
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	216	191	25					
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	33,213	24,222	8,991					
40600300	AGGREGATE (PRIME COAT)	TON	150	101	49					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2						
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	209	209						

**NOTE:**

RURAL STA. 942+50.00 TO STA. 1016+00.00  
 URBAN STA. 1016+00.00 TO STA. 46+80.05

\* DENOTES SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
DATE 8/02		DRAWN BY ASB CHECKED BY SJK

DATE PLOTTED: 8/2/02 11:28:03 AM



SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
40600990	TEMPORARY RAMP	SQ YD	1,251	928	323					
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	1,064	532	532					
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	212	106	106					
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	509	314	195					
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	29,753	20,645	9,108					
44000100	PAVEMENT REMOVAL	SQ YD	1,133	945	188					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,916	1,052	864					
44000400	GUTTER REMOVAL	FOOT	1,860	200	1,660					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	664	151	513					
44001430	BITUMINOUS SHOULDER REMOVAL	SQ YD	3,793	2,333	1,460					
44002500	GUTTER OUTLET REMOVAL	EACH	3		3					
44002805	ISLAND REMOVAL	SQ FT	217	217						
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	1,618		1,618					
44004000	PAVED DITCH REMOVAL	FOOT	365		365					
44004510	PORTLAND CEMENT CONCRETE SHOULDER REMOVAL	SQ YD	1,748	1,443	305					
48101500	AGGREGATE SHOULDERS, TYPE B 6'	SQ YD	3,371	2,931	440					
48101600	AGGREGATE SHOULDERS, TYPE B 8'	SQ YD	157		157					
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8'	SQ YD	15,010	11,604	3,406					
48300100	PORTLAND CEMENT CONCRETE SHOULDER, 6'	SQ YD	173		173					
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1					1		
50102400	CONCRETE REMOVAL	CU YD	135.9			77.0	58.9			
50104650	SLOPE WALL REMOVAL	SQ YD	1,502			642	860			
50105200	REMOVE EXISTING CULVERTS	EACH	25	19	6					
50200100	STRUCTURE EXCAVATION	CU YD	747			366	310	71		
50300100	FLOOR DRAINS	EACH	24			12	12			
50300225	CONCRETE STRUCTURES	CU YD	394.8			236.3	121.1	37.4		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,249.8			676.2	573.6			
50300260	BRIDGE DECK GROOVING	SQ YD	4,105			2,213	1,892			
50300300	PROTECTIVE COAT	SQ YD	4,620			2,491	2,129			
50300310	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	40			20	20			
50300320	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10			10				
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3,101					3,101		
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			.48	.52			
50500505	STUD SHEAR CONNECTORS	EACH	4,260			2,460	1,800			
50800105	REINFORCEMENT BARS	POUND	10,796	66	130	7,160	3,440			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	375,576			205,600	165,430	4,546		
50900205	STEEL RAILING, TYPE SI	FOOT	222					222		
51201400	FURNISHING STEEL PILES HP 10x42	FOOT	448			448				
51201500	FURNISHING STEEL PILES HP 10x57	FOOT	294				294			
51201600	FURNISHING STEEL PILES HP 12x53	FOOT	680					680		

**NOTE:**  
RURAL STA. 942+50.00 TO STA. 1016+00.00  
URBAN STA. 1016+00.00 TO STA. 46+80.05  
\*DENOTES SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  SUMMARY OF QUANTITIES SHEET 2 OF 6  DRAWN BY ASB CHECKED BY SJK DATE 8/02
NAME	DATE	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	6
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
51202700	DRIVING STEEL PILES	FOOT	1,422			448	294	680		
51203400	TEST PILE STEEL HP 10x42	EACH	2			2				
51203500	TEST PILE STEEL HP 10x57	EACH	2				2			
51203600	TEST PILE STEEL HP 12x53	EACH	2					2		
51204315	CONCRETE ENCASMENT	CU YD	31.4					31.4		
51205200	TEMPORARY SHEET PILING	SQ FT	1,240			900	340			
51500100	NAME PLATES	EACH	3			1	1	1		
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2	2						
54001002	BOX CULVERT END SECTION, CULVERT NO. 2	EACH	1		1					
54001003	BOX CULVERT END SECTION, CULVERT NO. 3	EACH	1		1					
54002020	EXPANSION BOLTS 3/4 INCH	EACH	50	20	30					
54010202	PRECAST CONCRETE BOX CULVERT 2' X 2'	FOOT	45		45					
54010303	PRECAST CONCRETE BOX CULVERT 3' X 3'	FOOT	30		30					
54010403	PRECAST CONCRETE BOX CULVERT 4' X 3'	FOOT	133	48	85					
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	236	200	36					
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	12		12					
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	391	280	111					
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	76	32	44					
542D0226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	58	58						
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	159	121	38					
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	55	55						
542D1066	PIPE CULVERTS, CLASS D, TYPE 2 21"	FOOT	80	80						
542D1075	PIPE CULVERTS, CLASS D, TYPE 2 30"	FOOT	166	166						
542D5470	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND-SIZE 15"	FOOT	225	225						
542JA030	PIPE CULVERTS, CLASS A 30" (JACKED)	FOOT	182	182						
54213447	END SECTIONS 12"	EACH	4	2	2					
54213450	END SECTIONS 15"	EACH	16	12	4					
54213453	END SECTIONS 18"	EACH	4	2	2					
54213456	END SECTIONS 21"	EACH	4	4						
54213459	END SECTIONS 24"	EACH	6	4	2					
54213465	END SECTIONS 30"	EACH	6	6						
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3						
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3		3					
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4						
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2		2					
54214290	END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	10	10						
54216930	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 18" RISER	EACH	1	1						
54217680	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 24" RISER	EACH	1		1					
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	15		15					
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	685		685					
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	276		276					

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\*DENOTES SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
SHEET 3 OF 6  
DRAWN BY ASB  
CHECKED BY SJK  
DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	7
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I, 12"	FOOT	51		51					
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I 18"	FOOT	21		21					
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE I 24"	FOOT	342		342					
55100500	STORM SEWER REMOVAL 12"	FOOT	8		8					
55100700	STORM SEWER REMOVAL 15"	FOOT	52	43	9					
55100900	STORM SEWER REMOVAL 18"	FOOT	126	126						
55101100	STORM SEWER REMOVAL 21"	FOOT	331	331						
55101200	STORM SEWER REMOVAL 24"	FOOT	638	11	627					
55101900	STORM SEWER REMOVAL 48"	FOOT	50	50						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	490							490
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	15	7	8					
60100905	PIPE DRAINS 4"	FOOT	4,152						320	3,832
60100945	PIPE DRAINS 12"	FOOT	261	140	121					
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	238	102	136					
60109520	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	5,641	2,660	2,981					
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1		1					
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1					
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1		1					
60222805	MANHOLES, TYPE A, 5'-DIAMETER WITH MEDIAN INLET (604106)	EACH	1		1					
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1					
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1		1					
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1		1					
60246605	MEDIAN INLET (604101)	EACH	1		1					
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2		2					
60266600	VALVES BOXES TO BE ADJUSTED	EACH	3	3						
60266700	VALVE BOXES TO BE RECONSTRUCTED	EACH	1	1						
60500040	REMOVING MANHOLES	EACH	8	2	6					
60500060	REMOVING INLETS	EACH	9		9					
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	14.0		14.0					
60602500	CONCRETE GUTTER, TYPE A	FOOT	1,465		1,465					
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,026	214	812					
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	152	152						
60900315	TYPE D INLET BOX, STANDARD 609006	EACH	4	2	2					
60900515	CONCRETE THRUST BLOCKS	EACH	4	2	2					
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1,100.0	687.5	412.5					
* 63000130	STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	FOOT	112.0	88.0	24.0					
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	4						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	4	4					
* 63100167	TRAFFIC BARRIER TERMINAL TYPE I, SPECIAL (TANGENT)	EACH	9	6	3					
63200310	GUARDRAIL REMOVAL	FOOT	716	337	379					
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	56	53	3					
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	8	5	3					

**NOTE:**  
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URBAN STA. 1016+00.00 TO STA. 46+80.05  
\* DENOTES SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
DATE 8/02		SUMMARY OF QUANTITIES SHEET 4 OF 6
DRAWN BY ASB		CHECKED BY SJK

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	17	12	5					
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	17	12	5					
67100100	MOBILIZATION	L SUM	1	.7	.3					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	.7	.3					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	.7	.3					
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	78	55	23					
70104490	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 1	EACH	1	.7	.3					
70104495	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 2	EACH	1	.7	.3					
70104500	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 3	EACH	1	.7	.3					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7,287	5,329	1,958					
70300210	TEMPORARY PAVEMENT MARKING, LETTERS & SYMBOLS	SQ FT	1,222	826.8	395.2					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	48,311	35,555	12,756					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4,631	3,185	1,446					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,270	1,270						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	182	30	152					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2,746	1,458	1,288					
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS & SYMBOLS	SQ FT	37	37						
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	53,671	40,412	13,259					
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	1,020	1,020						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	24,424	17,723	6,701					
70400500	TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	1,231	633	598					
70400600	RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	1,181	633	548					
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,222	826.8	395.2					
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	48,311	35,555	12,756					
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	4,631	3,185	1,446					
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	1,270	1,270						
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	182	30	152					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	952	655	297					
* 78200405	GUARDRAIL MARKERS	EACH	21	16	5					
* 78200500	BARRIER WALL MARKERS	EACH	10	5	5					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	5	3					
78300500	PAINT PAVEMENT MARKING REMOVAL	SQ FT	7,288	5,836	1,452					
Z0002600	BAR SPLICERS	EACH	2,903			1,643	1,260			
* Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1						
* Z0007602	BUILDING REMOVAL NO. 2	L SUM	1	1						
* Z0008236	DRILLED SHAFT IN SOIL 36"	FOOT	169			119	50			
* Z0008330	DRILLED SHAFT IN ROCK 30"	FOOT	128			81	47			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	.7	.3					
Z0023500	FILLING EXISTING CULVERTS	CU YD	6.1	6.1						
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	20	17	3					
Z0028700	GRANULAR SUBGRADE REPLACEMENT	CU YD	1,387	1,387						
Δ Z0030040	IMPACT ATTENUATORS, TEMPORARY (FULLY-REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	3	1					
Δ Z0030320	IMPACT ATTENUATORS, RELOCATE (FULLY-REDIRECTIVE), TEST LEVEL 2	EACH	4	3	1					

Δ SFTY 3-N

**NOTE:**  
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URBAN STA. 1016+00.00 TO STA. 46+80.05  
\* DENOTES SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  SUMMARY OF QUANTITIES SHEET 5 OF 6  DRAWN BY ASB CHECKED BY SJK DATE 8/02
NAME	DATE	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827

80% FED  
20% STATE

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		X080-2A	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
Z0031301	JACKING AND CRIBBING, LOCATION NO. 1	L SUM	1				1			
Z0031302	JACKING AND CRIBBING, LOCATION NO. 2	L SUM	1			1				
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	3,568	1,614	1,954					
Z0043900	PREFORMED JOINT FILLER	FOOT	780		780					
* Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1		1					
* Z0049902	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1		1					
Z0075300	TIE BARS	EACH	391		391					
⊙ Z0076600	TRAINEES	HOUR	1,000	500	500					
XX000610	RELOCATE EXISTING MAILBOX	EACH	18	9	9					
XX003915	BRICK WALL	FOOT	32	32						
XX001017	REMOVE RIGHT-OF-WAY MARKERS	EACH	14	2	12					
X0300230	FURNISH RIGHT-OF-WAY MARKERS, SPECIAL	EACH	33		33					
X0321461	PILLAR REMOVAL	EACH	2		2					
X0321690	BRICK WALL REMOVAL	FOOT	31	31						
X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	22,716						1,901	20,815
X0322924	RETAINING WALL REMOVAL	SQ FT	5,325		5,325					
X0322936	FLARED END SECTION REMOVE EXISTING	EACH	5	2	3					
X0323080	DRAINAGE SCUPPER, DS-12	EACH	5			3	2			
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	90				90			
X0751105	REMOVAL OF EXISTING CONCRETE DECK NO. 1	EACH	1				1			
X0751205	REMOVAL OF EXISTING CONCRETE DECK NO. 2	EACH	1			1				
X3550300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	3,635	2,721	914					
X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	3,938	2,747	1,191					
X3550610	BITUMINOUS BASE COURSE SUPERPAVE 9 1/2"	SQ YD	8	8						
X3550815	BITUMINOUS BASE COURSE SUPERPAVE 11 3/4"	SQ YD	38,314	28,215	10,099					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	16	13	3					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	3	2					
X4023000	TEMPORARY ACCESS (ROAD)	EACH	12	9	3					
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	7,915	6,130	1,785					
X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	599		599					
X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	1,136	905	231					
X4066775	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	TON	160		160					
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE N50	TON	227	131	96					
X4402815	ISLAND PAVEMENT REMOVAL AND REPLACEMENT	SQ FT	97		97					
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 1	EACH	1					1		
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 2	EACH	1					1		
X5020503	UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 3	EACH	1			1				
X5020504	UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 4	EACH	1			1				
X6050700	REMOVE INLET BOX	EACH	6	2	4					
* X0324751	SOIL NAILED WALL	SQ FT	14,690							14,690
X0324752	STORM SEWER TO BE FILLED	CU YD	125.7		125.7					

© Y080

NOTE:

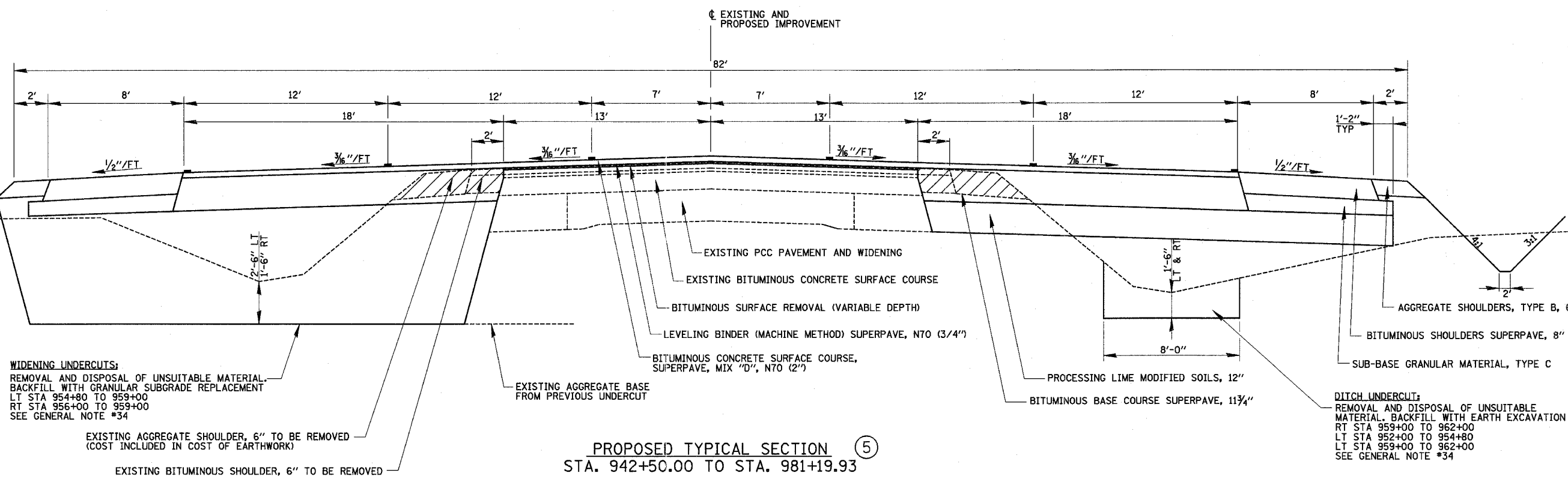
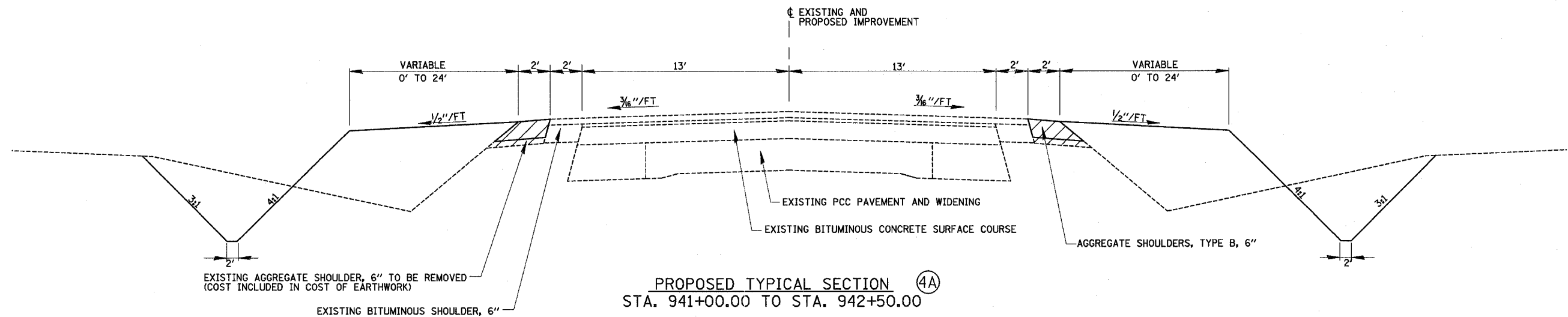
RURAL STA. 942+50.00 TO STA. 1016+00.00  
URBAN STA. 1016+00.00 TO STA. 46+80.05

\* DENOTES SPECIALTY ITEM

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
SUMMARY OF QUANTITIES SHEET 6 OF 6		DRAWN BY ASB CHECKED BY SJK
DATE 8/02		

TYPICAL SECTIONS NO. ① THRU ④ NOT USED

F.A.P. RTE. 774	SECTION *	COUNTY EFFINGHAM	TOTAL SHEETS 273	SHEET NO. 10
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107 WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



**WIDENING UNDERCUTS:**  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. BACKFILL WITH GRANULAR SUBGRADE REPLACEMENT  
LT STA 954+80 TO 959+00  
RT STA 956+00 TO 959+00  
SEE GENERAL NOTE #34

**DITCH UNDERCUT:**  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. BACKFILL WITH EARTH EXCAVATION  
RT STA 959+00 TO 962+00  
LT STA 952+00 TO 954+80  
LT STA 959+00 TO 962+00  
SEE GENERAL NOTE #34

\* OUTLET AT BOX CULVERT STATION 951+40 INTO TRANSVERSE DITCH. USE NON-SLOTTED PIPE, OMIT FABRIC AND BACKFILL WITH SOIL STA 951+40 TO 951+50. SOIL PLUG SHALL REPLACE AGGREGATE BACKFILL AT COMMERCIAL ENTRANCE AND WEBB STREET TO THE BOTTOM OF BASE COURSE OR PAVEMENT. MINIMUM TRENCH WIDTH IS 12".

**STRUCTURAL DESIGN INFORMATION**  
STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
PV = 92.9% SU = 3.0% MU = 4.1%  
ROAD/STREET CLASSIFICATION: CLASS I  
PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
P = 50% S = 50% M = 50%  
MINIMUM SOIL SUPPORT: IBR = 2  
TRAFFIC FACTOR T<sub>F</sub> = 3.87

TYPICAL SECTION ⑥ NOT USED

REVISIONS	
NAME	DATE

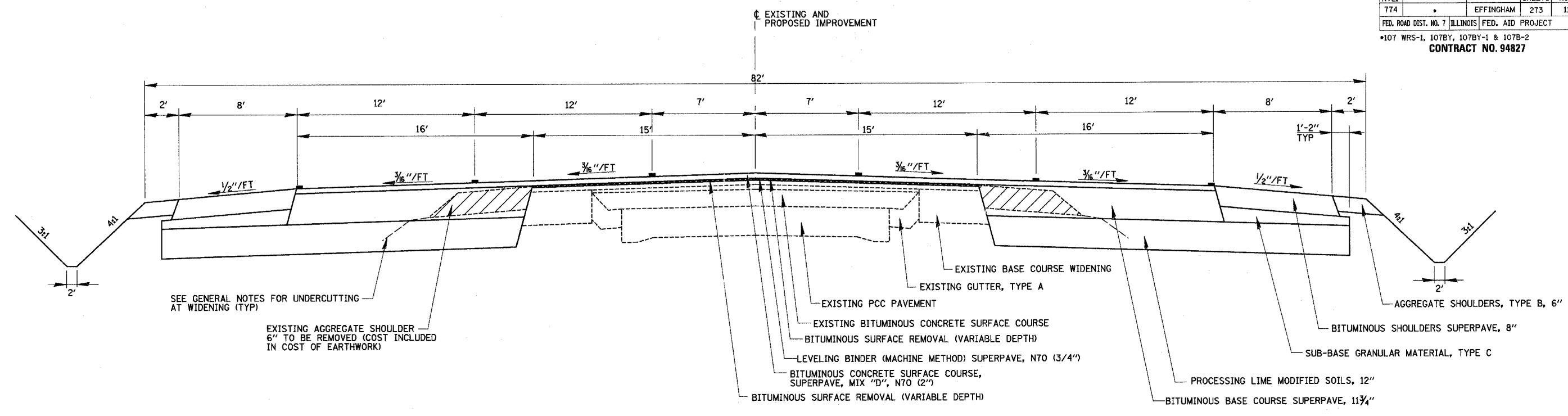
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
SHEET 1 OF 8

DRAWN BY MLO  
CHECKED BY SJK  
DATE 8/02

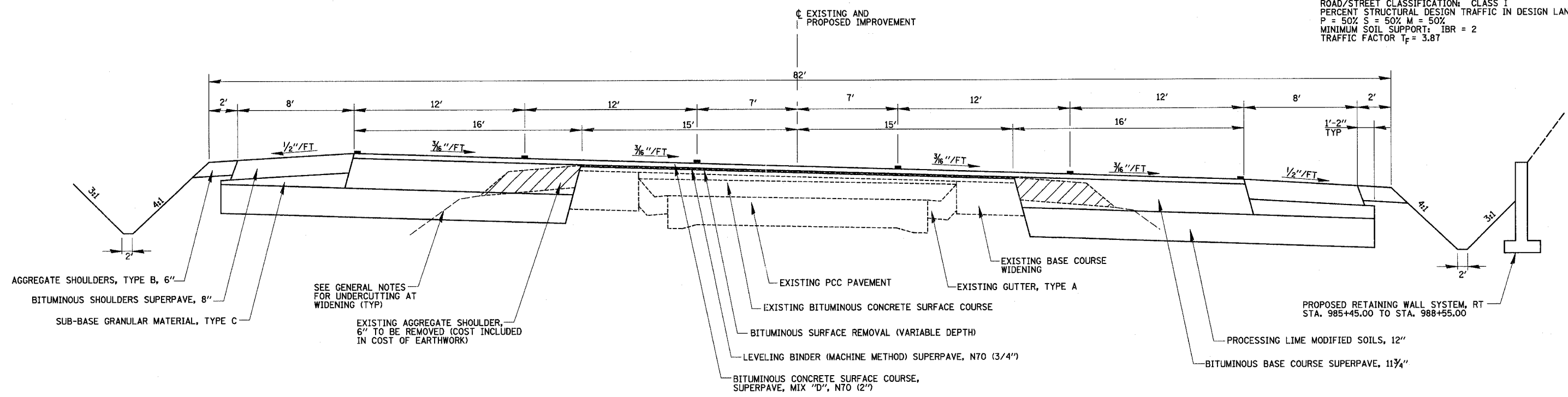


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	11
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
•107 WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



PROPOSED TYPICAL SECTION  
STA. 981+19.93 TO STA. 988+35.24 (7)

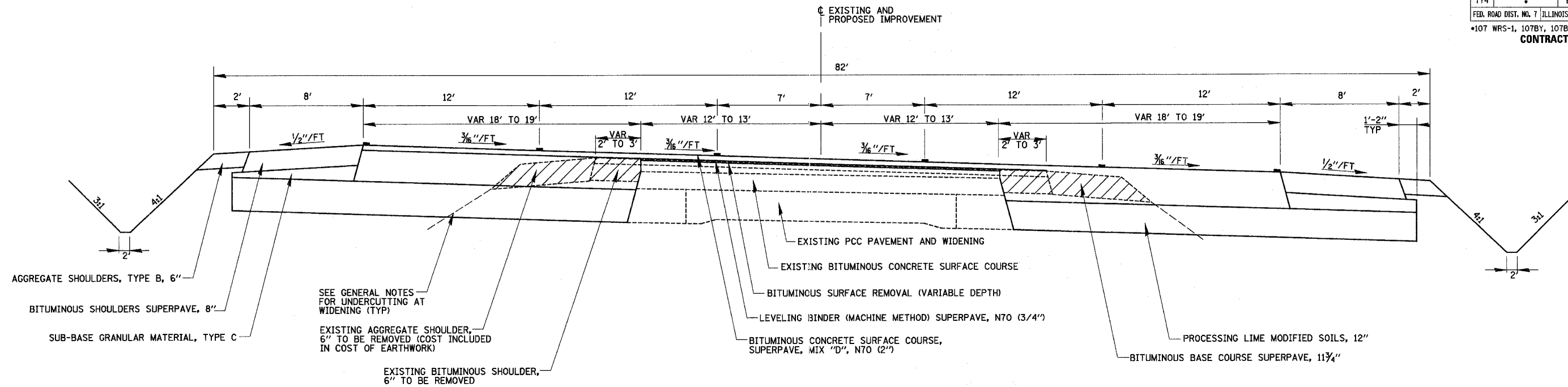
STRUCTURAL DESIGN INFORMATION  
 STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 50% S = 50% M = 50%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR  $T_f = 3.87$



PROPOSED TYPICAL SECTION  
STA. 988+35.24 TO STA. 995+37.93 (8)

REVISIONS	
NAME	DATE

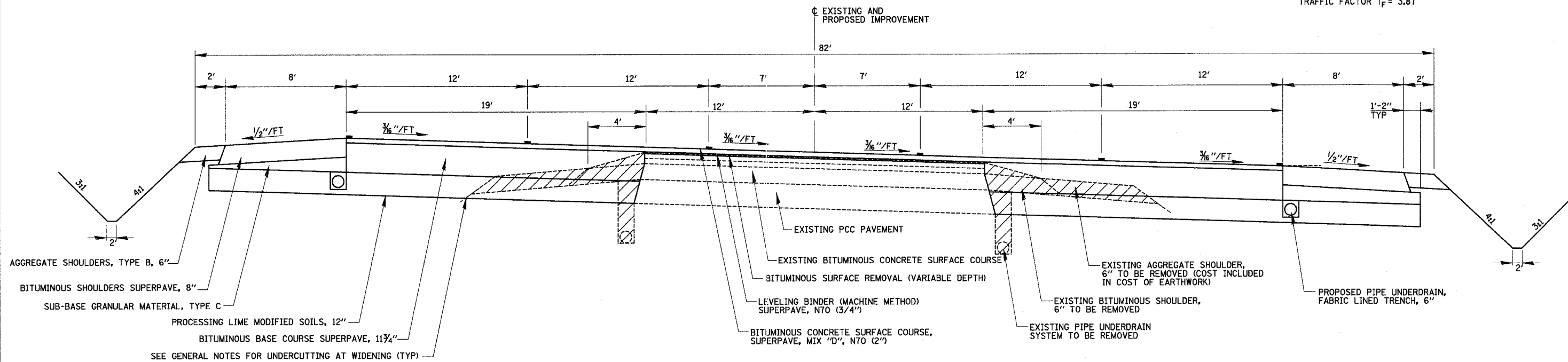
ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
 TYPICAL SECTIONS  
SHEET 2 OF 8  
  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



PROPOSED TYPICAL SECTION 9  
 STA. 995+37.93 TO STA. 1004+69.93

STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC YEAR ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 50% S = 50% M = 50%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 3.87



PROPOSED TYPICAL SECTION 10  
 STA. 1004+69.93 TO STA. 1007+60.00  
 STA. 1022+06.00 TO STA. 1023+19.93

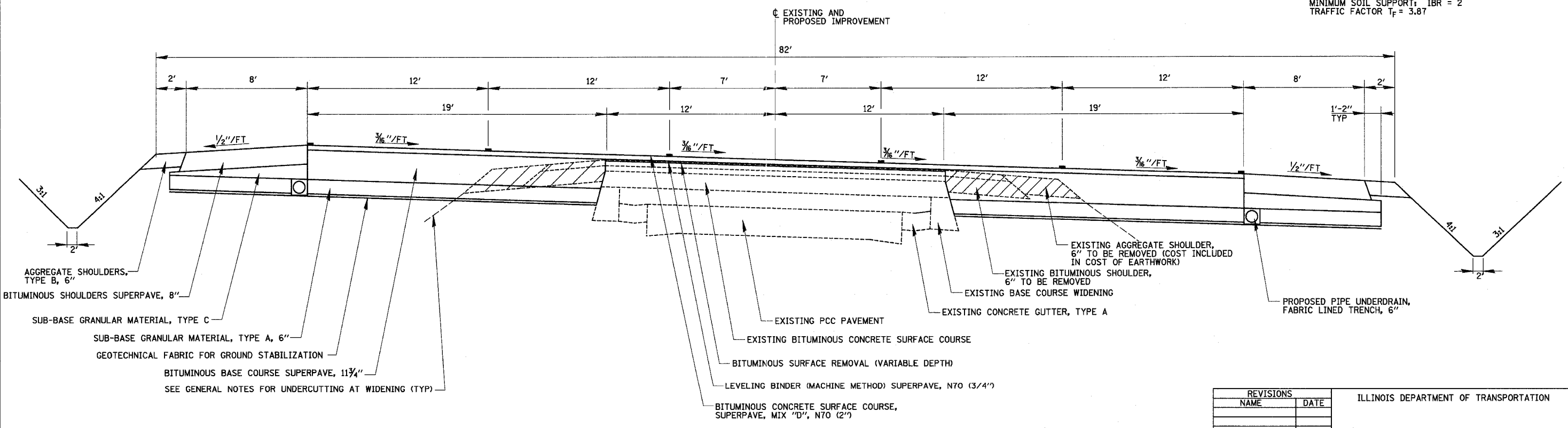
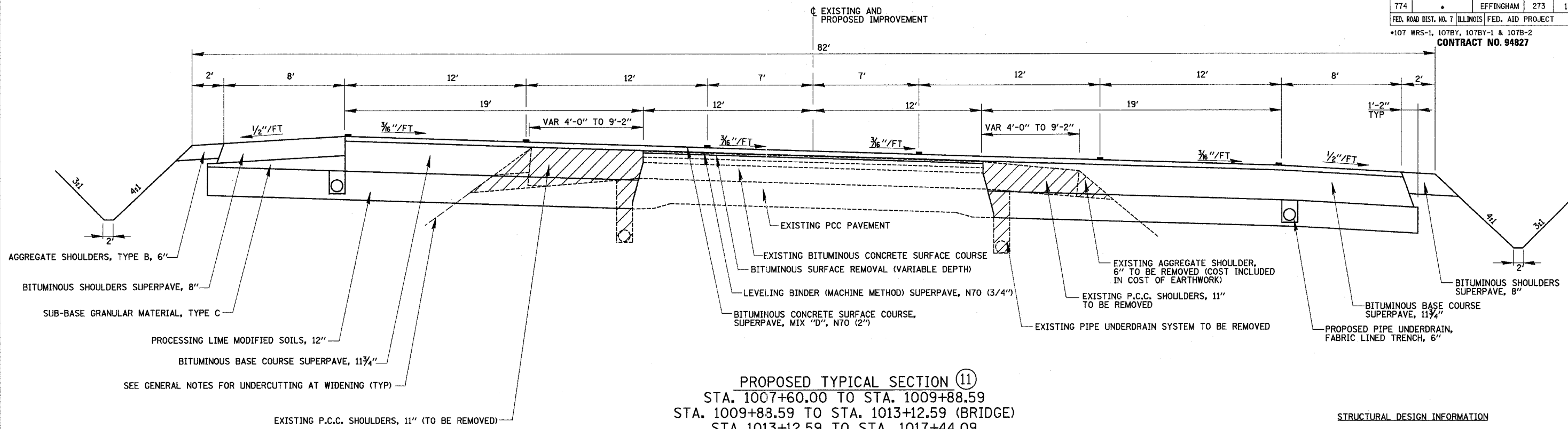
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 SHEET 3 OF 8

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	13

FEB. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107 WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

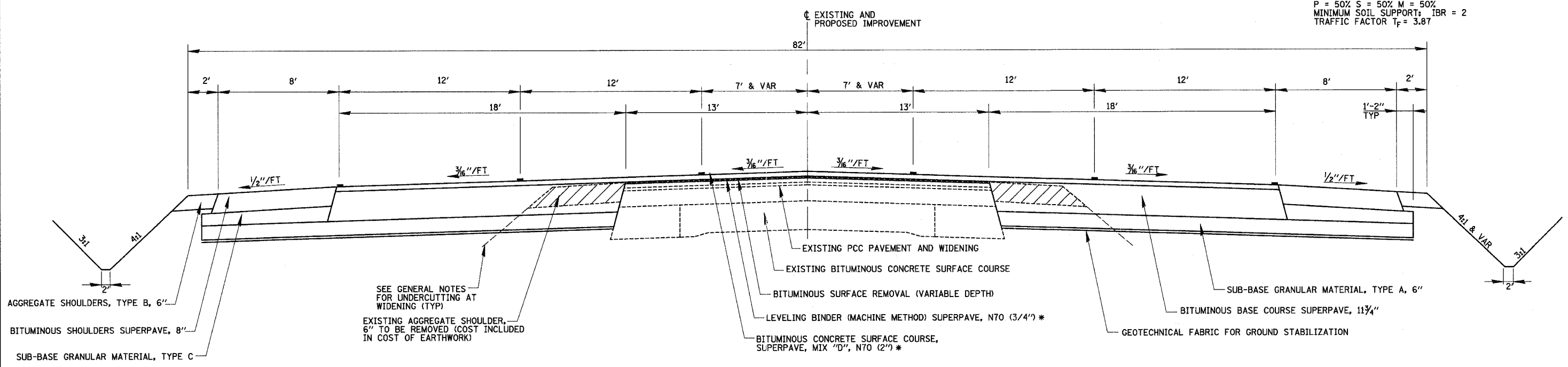
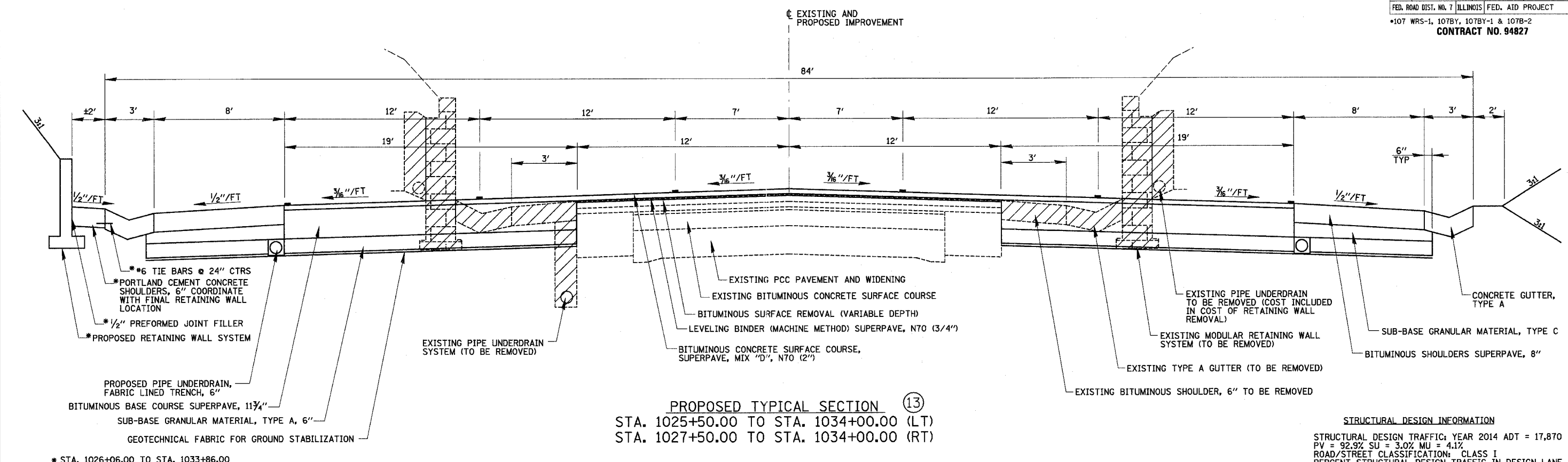


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 SHEET 4 OF 8  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	14

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107 WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



REVISIONS	
NAME	DATE

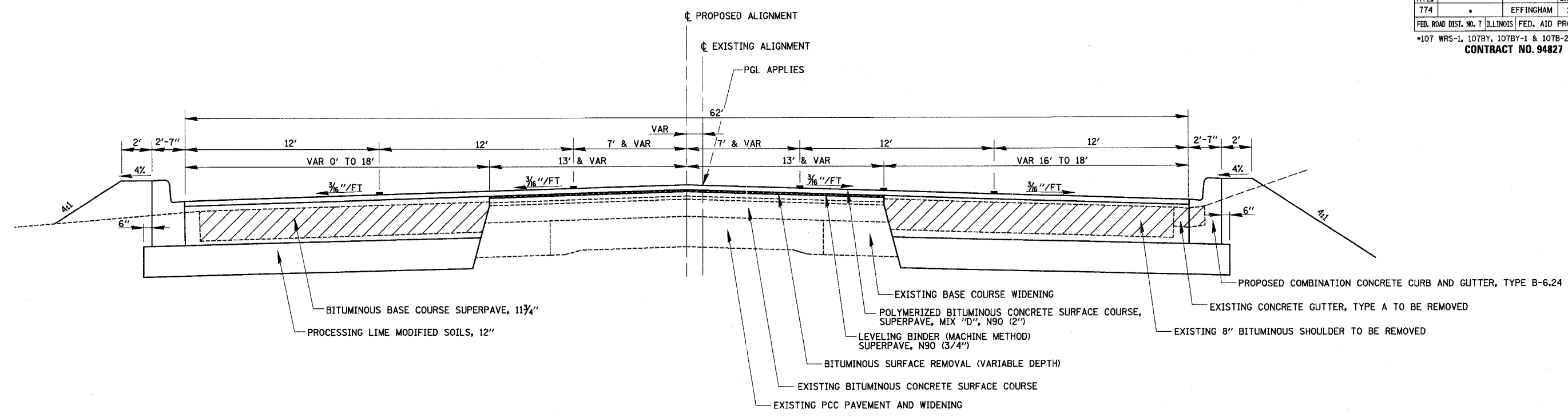
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 SHEET 5 OF 8

DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK

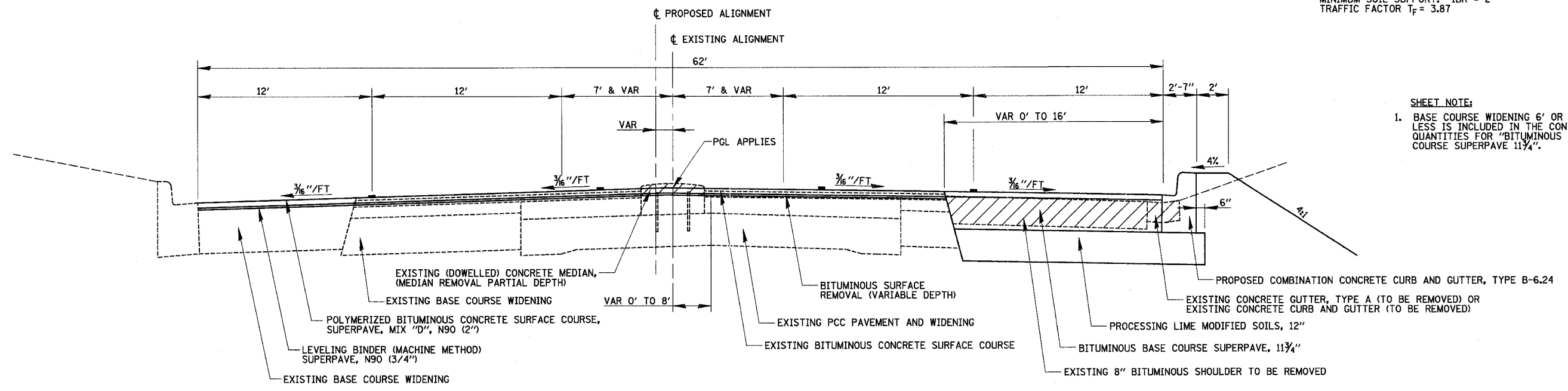
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	15
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107 WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



**PROPOSED TYPICAL SECTION** (15)  
 STA. 40+10.00 TO STA. 41+31.63

**STRUCTURAL DESIGN INFORMATION**  
 STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 P = 50% S = 50% M = 50%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 3.87

**SHEET NOTE:**  
 1. BASE COURSE WIDENING 6' OR LESS IS INCLUDED IN THE CONTRACT QUANTITIES FOR "BITUMINOUS BASE COURSE SUPERPAVE 11 3/4".



**PROPOSED TYPICAL SECTION** (16)  
 STA. 41+31.63 TO STA. 46+80.05

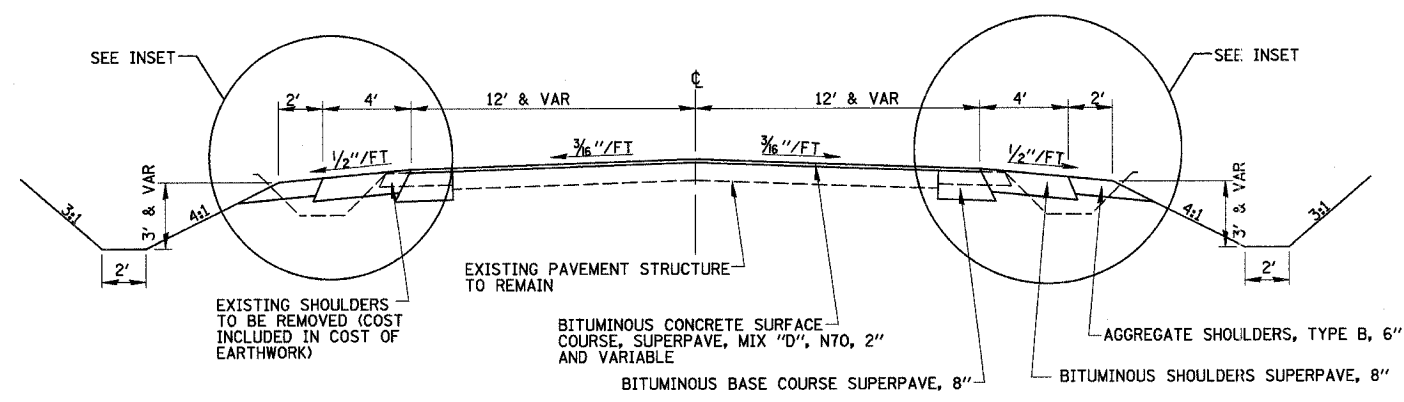
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 SHEET 6 OF 8  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

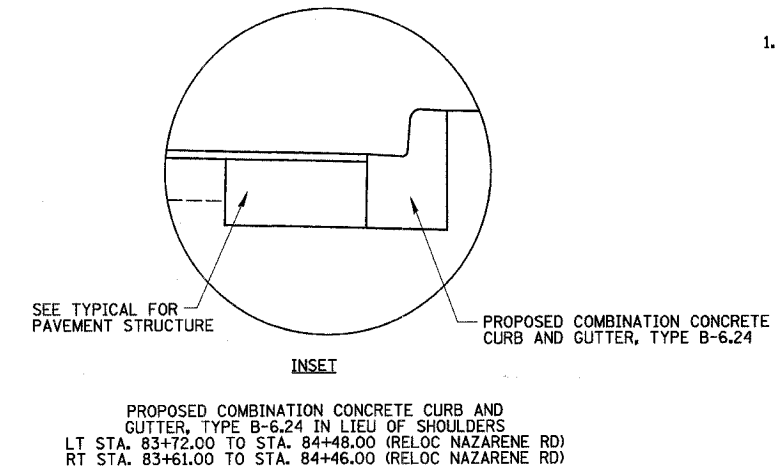
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	16
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

TYPICAL SECTION (17) NOT USED

TYPICAL SECTION (18) NOT USED



PROPOSED TYPICAL SECTION (19)  
 STA. 82+36.29 TO STA. 84+56.47 (RELOCATED NAZARENE RD)



SHEET NOTE:  
 1. BASE COURSE WIDENING 6' OR LESS IS INCLUDED IN THE CONTRACT QUANTITIES FOR "BITUMINOUS BASE COURSE SUPERPAVE 8".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 SHEET 7 OF 8

DATE 8/02

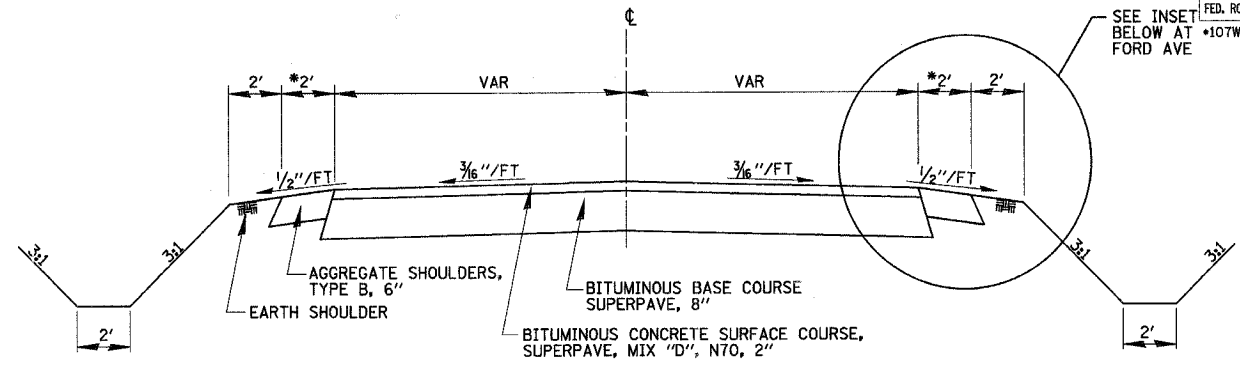
DRAWN BY MLO  
 CHECKED BY SJK



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	17

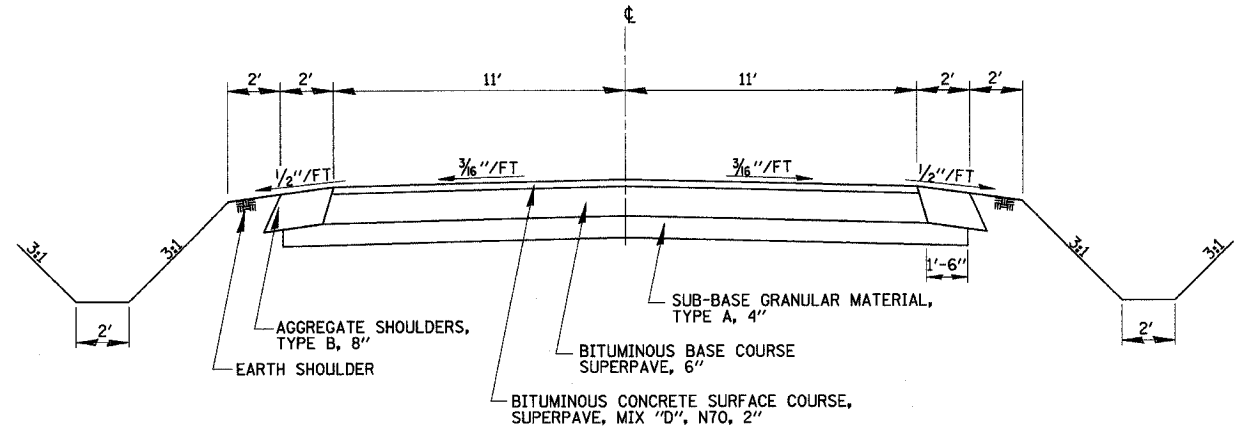
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

TYPICAL SECTION (20) NOT USED



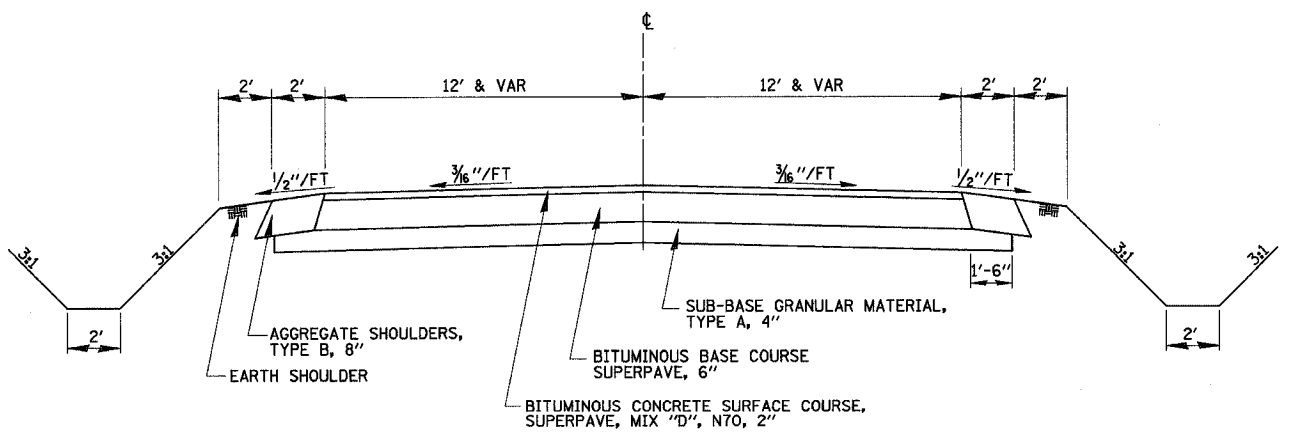
\* 2' AGGREGATE SHOULDERS, TYPE B, 8" AT 1200TH ST AND WOOD BIRD DR.  
 COMBINATION CONCRETE CURB & GUTTER AT FORD AVE.

- TYPICAL PUBLIC ROAD RETURN SECTION (23)**
- STA. 240+31.00 TO STA. 241+75.00 (WEBB ST)
  - STA. 90+33.47 TO STA. 91+25.00 (BRIARWOOD DR)
  - STA. 98+75.00 TO STA. 99+68.58 (LYNN ACRES DR)
  - STA. 105+31.00 TO STA. 106+00.00 (COUNTRY ESTATE RD)
  - STA. 110+31.00 TO STA. 110+61.00 (LEPRECHAUN LN)
  - STA. 120+32.16 TO STA. 121+00.00 (IRISH HILL RD)
  - STA. 128+00.00 TO STA. 129+68.92 (WABASH RIVER HILL RD)
  - STA. 200+32.01 TO STA. 200+73.94 (RELOCATED 1200TH ST)
  - STA. 150+31.07 TO STA. 151+05.03 (LAKE RD)
  - STA. 299+38.92 TO STA. 299+68.92 (RELOCATED WOOD BIRD DR)
  - STA. 184+00.00 TO STA. 184+66.38 (FORD AVE SOUTH)



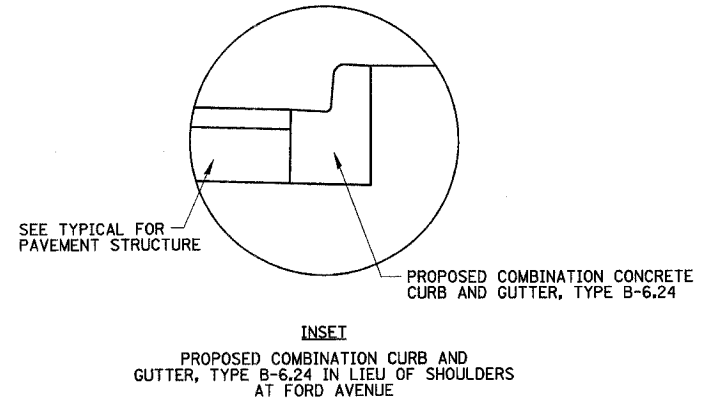
**PROPOSED TYPICAL SECTION (21)**

- STA. 200+73.94 TO STA. 203+77.58 (RELOCATED 1200TH ST)
- STA. 203+77.58 TO STA. 204+90.24 (BRIDGE)
- STA. 204+90.24 TO STA. 213+00.00 (RELOCATED 1200TH ST)



**PROPOSED TYPICAL SECTION (22)**

- STA. 297+30.74 TO STA. 299+38.92 (RELOCATED WOOD BIRD DR)
- STA. 309+88.00 TO STA. 308+74.14 (RELOCATED WOOD BIRD DR)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 SHEET 8 OF 8

DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK

STATION	OFFSET	UNITS
970+68.92	49' LT	7
970+81.24	49' LT	6
970+93.56	49' LT	6
971+05.88	50' LT	7
971+18.19	50' LT	7
971+30.51	50' LT	7
971+55.15	50' LT	8
971+67.47	50' LT	8
971+79.78	50' LT	8
972+81.92	46' LT	6
972+92.92	46' LT	6
973+11.71	44' LT	6
973+49.56	43' LT	6
973+61.58	43' LT	6
973+73.60	43' LT	7
973+85.62	43' LT	6
973+97.64	43' LT	6
1008+24.04	92' LT	10
1008+66.24	87' RT	8
1008+72.08	90' RT	6
1009+03.31	86' LT	10
1009+06.59	85' LT	10
1009+24.65	85' LT	12
1009+46.69	84' LT	10
1009+59.60	82' LT	10
1009+62.93	88' LT	6
1009+63.34	82' LT	10
1009+65.95	88' LT	6
1009+69.07	83' LT	12
1009+81.00	77' LT	6
1009+81.57	73' LT	6
1009+83.51	82' LT	6
1009+85.07	77' LT	6
1010+43.18	81' RT	8
1010+46.78	81' RT	8
1033+69.48	70' LT	14
1033+96.54	67' LT	14
	13 - 7"	91
	4 - 8"	32
	3 - 9"	27
	2 - 10"	20
	3 - 12"	36
	5 - 14"	70
	2 - 15"	30
	2 - 7"	14
	3 - 10"	30
	1 - 14"	14
	2 - 15"	30
TOTAL		685

STATION	OFFSET	UNITS
990+73.37	89' LT	16
990+89.74	78' LT	20
981+06.17	109' LT	24
1009+14.84	86' LT	18
1012+02.41	60' LT	60
1012+20.03	83' RT	24
1012+21.33	97' RT	24
1021+44.99	43' LT	40
1024+08.72	40' LT	48
1024+55.40	43' LT	30
1024+79.33	43' LT	24
1025+01.61	43' LT	26
1025+26.23	43' LT	42
1034+09.87	63' LT	25
	1 - 16"	16
	3 - 18"	54
	2 - 22"	44
	2 - 23"	46
	1 - 24"	24
	2 - 26"	52
	1 - 32"	32
	1 - 18"	18
	1 - 32"	32
TOTAL		739

STATION TO STATION	OFFSET	AREA (SQ. YD.)
1023+19.93	1025+50.00	LT 720
1023+19.93	1027+50.00	RT 1346
1025+50.00	1034+00.00	LT 2597
1027+50.00	1034+00.00	RT 1986
1034+00.00	1039+00.00	LT 1509
1034+00.00	1039+00.00	RT 1509
39+00.00	40+10.00	LT 332
39+00.00	40+10.00	RT 332
TOTAL		10331

STATION TO STATION	OFFSET	AREA (SQ. YD.)	LIME (TON)
942+50.00	1016+00.00	LT&RT 39765	1002.1
1016+00.00	1023+19.93	LT&RT 2718	68.5
40+10.00	46+80.05	LT&RT 1247	31.5
TOTAL		43730	1102.1

STATION TO STATION	OFFSET	AREA (CU. YD.)
956+00.00	959+00.00	RT 656
954+80.00	959+00.00	LT 731
TOTAL		1387

LOCATION	STATION TO STATION	OFFSET	ACRES
WABASH RIVER HILLS RD.	991+00.00	992+00.00	RT 0.1
LITTLE WABASH RIVER	1010+00.00	1010+55.00	LT 0.1
LITTLE WABASH RIVER	1010+85.00	1011+30.00	RT 0.1
LITTLE WABASH RIVER	1025+50.00	1033+30.00	LT 0.8
SOUTH OF RETAINING WALLS	1027+60.00	1036+60.00	RT 1.4
RETAINING WALLS	1034+28.00	1038+28.00	LT 0.4
ALL OF PARCEL #7007149	1035+88.00	1038+86.00	RT 0.8
WOOD BIRD DR. TO FORD AVE.	1037+65.00	39+75.00	RT 0.2
TOTAL			3.9

LOCATION	STATION TO STATION	SO YD	
1200TH ST.	200+73.94	203+77.58	844
1200TH ST.	204+90.24	213+00.00	2250
WOOD BIRD DR.	297+30.74	297+65.42	131
WOOD BIRD DR.	297+65.42	299+38.92	521
WOOD BIRD DR.	308+74.14	309+08.63	124
WOOD BIRD DR.	309+08.63	309+73.00	193
WOOD BIRD DR.	309+73.00	309+88.00	59
TOTAL		4122	

ITEM	STATION	OFFSET	CU. YD.
CULVERT	955+28.27	RT	24
CULVERT	958+10.00	LT	6
CULVERT	969+63.16	LT	10
CULVERT	974+61.71	RT	6
CULVERT	977+46.69	LT	5
CULVERT	982+15.24	LT	11
CULVERT	991+30.47	LT	18
CULVERT	991+35.27	RT	17
CULVERT	150+48.86	-	7
CULVERT	309+76.00	-	11
STORM SEWER	299+37.84	-	39
STORM SEWER	184+45.58	-	28
STORM SEWER	184+23.92	-	12
STORM SEWER	42+00.00	RT	6
TOTAL			200

STATION TO STATION	OFFSET	AREA (SQ. YD.)
1023+19.93	1025+50.00	LT 720
1023+19.93	1027+50.00	RT 1346
1025+50.00	1034+00.00	LT 2597
1027+50.00	1034+00.00	RT 1986
1034+00.00	1039+00.00	LT 1509
1034+00.00	1039+00.00	RT 1509
39+00.00	40+10.00	LT 332
39+00.00	40+10.00	RT 332
TOTAL		10331

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	942+50.00	981+19.93	LT&RT 1458
MAINLINE	981+19.93	995+37.93	LT&RT 541
MAINLINE	995+37.93	1009+88.59	LT&RT 534
MAINLINE	1013+12.59	1017+44.09	LT 74
MAINLINE	1020+29.75	40+10.00	LT&RT 703
TOTAL			3310

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
SHEET 1 OF 4

DATE 03/03

DRAWN BY ASB  
CHECKED BY SJK

BITUMINOUS MATERIALS (PRIME COAT)				
LOCATION	STATION TO STATION	OFFSET		GALLONS
<b>BASE COURSE</b>				
MAINLINE	942+50.00 1016+00.00	LT&RT		14109
MAINLINE	1016+00.00 46+80.05	LT&RT		5052
NAZARENE	82+36.29 84+56.47	LT&RT		102
WEBB ST.	240+31.00 241+75.00	LT&RT		213
BRIARWOOD	90+33.47 91+25.00	LT&RT		147
WOOD BIRD	297+30.74 299+68.92	LT&RT		352
WOOD BIRD	308+74.14 309+88.00	LT&RT		167
FORD AVE.	184+00.00 184+65.00	LT&RT		252
LAKE RD.	150+31.07 151+05.03	LT&RT		113
LYNN ACRES	98+75.00 99+68.58	LT&RT		158
COUNTRY EST.	105+31.00 106+00.00	LT&RT		107
LEPRECHAUN	110+31.00 110+61.00	LT&RT		61
IRISH HILL	120+32.16 121+00.00	LT&RT		119
WABASH	128+00.00 129+68.92	LT&RT		232
1200TH ST.	200+32.01 213+00.00	LT&RT		1437
<b>LEVELING BINDER</b>				
MAINLINE	942+50.00 1016+00.00	LT&RT		2064
MAINLINE	1016+00.00 46+80.05	LT&RT		929
<b>SURFACE COURSE</b>				
MAINLINE	942+50.00 1016+00.00	LT&RT		4887
MAINLINE	1016+00.00 46+80.05	LT&RT		1950
NAZARENE	82+36.29 84+56.47	LT&RT		92
WEBB ST.	240+31.00 241+75.00	LT&RT		43
BRIARWOOD	90+33.47 91+25.00	LT&RT		29
WOOD BIRD	297+30.74 309+88.00	LT&RT		103
FORD AVE.	184+00.00 184+65.00	LT&RT		50
LAKE RD.	150+31.07 151+05.03	LT&RT		23
LYNN ACRES	98+75.00 99+68.58	LT&RT		32
COUNTRY EST.	105+31.00 106+00.00	LT&RT		21
LEPRECHAUN	110+31.00 110+61.00	LT&RT		12
IRISH HILL	120+32.16 121+00.00	LT&RT		24
WABASH	128+00.00 129+68.92	LT&RT		46
1200TH ST.	200+32.01 213+00.00	LT&RT		287
<b>TOTAL</b>				<b>33,213</b>

AGGREGATE (PRIME COAT)				
LOCATION	STATION TO STATION	OFFSET		TONS
<b>LEVELING BINDER</b>				
MAINLINE	942+50.00 1016+00.00	LT&RT		41.3
MAINLINE	1016+00.00 46+80.05	LT&RT		18.6
<b>SURFACE COURSE</b>				
MAINLINE	942+50.00 1016+00.00	LT&RT		48.0
MAINLINE	1016+00.00 46+80.05	LT&RT		26.8
NAZARENE	82+36.29 84+56.47	LT&RT		1.8
WEBB ST.	240+31.00 241+75.00	LT&RT		0.9
BRIARWOOD	90+33.47 91+25.00	LT&RT		0.6
LYNN ACRES	98+75.00 99+68.58	LT&RT		0.6
COUNTRY EST.	105+31.00 106+00.00	LT&RT		0.4
LEPRECHAUN	110+31.00 110+61.00	LT&RT		0.2
IRISH HILL	120+32.16 121+00.00	LT&RT		0.5
WABASH	128+00.00 129+68.92	LT&RT		0.9
1200TH ST.	200+32.01 213+00.00	LT&RT		5.8
WOOD BIRD	297+30.74 309+88.00	LT&RT		2.1
FORD AVE.	184+00.00 184+65.00	LT&RT		1.0
LAKE RD.	150+31.07 151+05.03	LT&RT		0.5
<b>TOTAL</b>				<b>150.0</b>

PAVEMENT REMOVAL		
LOCATION	STATION TO STATION	SQ. YD.
WEBB	240+19.82 240+46.01	126
COUNTRY EST.	105+15.99 105+42.89	98
LEPRECHAUN	110+15.54 110+61.00	155
IRISH HILL	120+17.39 121+00.00	256
SN 025-0078	1009+60.55 1010+18.59	155
SN 025-0078	1012+82.59 1013+40.63	155
SN 025-0077	1017+38.92 1017+74.09	94
SN 025-0077	1019+99.75 1020+34.92	94
<b>TOTAL</b>		<b>1133</b>

BITUMINOUS SHOULDER REMOVAL			
STATION TO STATION	OFFSET		SQ. YD.
942+50.00 954+79.71	RT		273
942+50.00 952+89.52	LT		231
953+43.07 957+82.61	LT		98
955+90.49 970+68.57	RT		328
958+37.57 969+30.94	LT		243
969+80.91 977+25.50	LT		165
971+67.00 974+45.07	RT		62
974+89.26 977+32.46	RT		54
977+69.62 981+19.93	LT		78
977+64.94 981+19.93	RT		79
995+37.93 1002+45.00	LT		157
995+37.93 1002+45.00	RT		157
1002+45.00 1004+69.93	LT		75
1002+45.00 1004+69.93	RT		75
1004+69.93 1007+60.00	LT		129
1004+69.93 1007+60.00	RT		129
1021+95.52 1024+42.00	RT		109
1022+44.27 1023+58.47	LT		51
1023+86.78 1025+61.30	LT		78
1024+84.87 1026+49.74	RT		73
1025+61.30 1034+18.35	RT		286
1026+49.74 1034+53.00	LT		268
39+90.00 45+60.00	RT		595
<b>TOTAL</b>			<b>3793</b>

DRIVEWAY PAVEMENT REMOVAL		
STATION	OFFSET	SQ. YD.
952+50.00	LT	104
953+15.73	LT	145
970+42.68	RT	143
973+25.02	LT	21
977+48.03	RT	101
982+13.12	RT	481
1021+73.10	RT	214
1022+11.30	LT	237
1024+56.23	RT	102
1034+14.52	LT	311
105+81.69	LT	57
<b>TOTAL</b>		<b>1,916</b>

PORTLAND CEMENT CONCRETE SHOULDER REMOVAL			
STATION TO STATION	OFFSET		SQ. YD.
1007+60.00 1009+18.60	LT		116
1007+60.00 1009+18.60	RT		116
1009+18.60 1010+18.59	LT		102
1009+18.60 1010+18.59	RT		102
1012+82.59 1017+74.09	LT		501
1012+85.59 1017+74.09	RT		498
1019+99.75 1020+88.75	LT		91
1019+99.75 1020+88.75	RT		91
1020+88.75 1022+06.00	LT		86
1020+88.75 1021+40.00	RT		37
<b>TOTAL</b>			<b>1740</b>

(SEE PLAN AND PROFILE FOR REMAINING QUANTITIES)

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)				
LOCATION	STATION TO STATION	OFFSET		SQ. YD.
MAINLINE	942+50.00 981+19.93	LT&RT		11180
MAINLINE	981+19.93 995+37.93	LT&RT		4726
MAINLINE	995+37.93 1004+69.93	LT&RT		2589
MAINLINE	1004+69.93 1016+00.00	LT&RT		2150
MAINLINE	1016+00.00 1023+19.93	LT&RT		1158
MAINLINE	1023+19.93 1034+00.00	LT&RT		2880
MAINLINE	1034+00.00 1039+00.00	LT&RT		1444
MAINLINE	39+00.00 46+80.05	LT&RT		3626
<b>TOTAL</b>				<b>29753</b>

GUTTER REMOVAL		
STATION TO STATION	OFFSET	FOOT
1025+61.30 1034+18.35	LT	857
1026+49.74 1034+53.00	RT	803
<b>TOTAL</b>		<b>1660</b>

(SEE PLAN AND PROFILE FOR REMAINING QUANTITIES)

AGGREGATE SURFACE COURSE, TYPE A, 8"	
LOCATION	SQ. YD.
WABASH HILL TEMPORARY ROAD	510

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>SCHEDULE OF QUANTITIES</b> SHEET 2 OF 4  DRAWN BY ASB CHECKED BY SJK DATE 03/03

AGGREGATE SHOULDERS, TYPE B, 6"			
STATION TO STATION	OFFSET	SO. YD.	
941+00.00	942+50.00	LT	33
942+50.00	952+80.00	LT	229
953+45.00	957+80.00	LT	97
958+35.00	969+12.00	LT	239
969+67.00	973+12.00	LT	77
973+36.00	977+21.00	LT	86
977+69.00	981+19.93	LT	78
941+00.00	942+50.00	RT	33
942+50.00	954+90.00	RT	276
956+20.00	967+17.00	RT	244
967+40.00	970+26.00	RT	64
970+57.00	972+12.00	RT	34
972+51.00	974+50.00	RT	44
975+00.00	977+31.00	RT	51
977+65.00	981+19.93	RT	79
981+19.93	981+90.00	LT	16
982+35.00	988+35.24	LT	133
981+19.93	981+97.00	RT	17
982+30.00	988+35.24	RT	134
988+35.24	990+90.00	LT	57
991+40.00	995+37.93	LT	88
988+35.24	991+13.00	RT	62
991+60.00	995+37.93	RT	84
995+37.93	1004+69.93	LT	207
995+37.93	1004+69.93	RT	207
1004+69.93	1007+60.00	LT	64
1004+69.93	1007+60.00	RT	64
1007+60.00	1008+72.92	LT	25
1007+60.00	1007+66.89	RT	2
1015+12.00	1016+00.00	LT	20
1013+63.50	1014+99.70	RT	30
1016+00.00	1016+49.30	LT	11
1021+24.66	1021+48.00	RT	5
1021+98.50	1022+06.00	RT	2
1022+27.00	1023+19.93	LT	21
1022+06.00	1023+19.93	RT	25
1023+19.93	1023+47.00	LT	6
1023+93.00	1025+50.00	LT	35
1023+19.93	1024+29.00	RT	24
1024+85.00	1027+50.00	RT	59
1034+35.00	1039+00.00	LT	103
1034+00.00	1037+30.00	RT	73
1037+75.00	1039+00.00	RT	28
39+00.00	40+10.00	LT	24
39+00.00	40+10.00	RT	24
82+36.29	83+59.97	RT	27
82+36.29	83+72.87	LT	30
TOTAL			3371

AGGREGATE SHOULDERS, TYPE B, 8"			
WOOD BIRD DR STATION TO STATION	OFFSET	SO. YD.	
297+30.74	297+79.29	LT	12
298+33.29	299+38.92	LT	21
297+30.74	299+38.92	RT	54
299+38.92	299+68.92	LT	5
299+38.92	299+68.92	RT	5
308+74.14	309+88.00	LT	32
308+74.14	309+88.00	RT	28
TOTAL			157

BITUMINOUS SHOULDERS, SUPERPAVE, 8"			
STATION TO STATION	OFFSET	SO. YD.	
942+50.00	952+80.00	LT	916
953+45.00	957+80.00	LT	387
958+35.00	969+12.00	LT	957
969+67.00	973+12.00	LT	307
973+36.00	977+21.00	LT	342
977+69.00	981+19.93	LT	312
942+50.00	954+90.00	RT	1102
956+20.00	967+17.00	RT	975
967+40.00	970+26.00	RT	254
970+57.00	972+12.00	RT	138
972+51.00	974+50.00	RT	177
975+00.00	977+31.00	RT	205
977+65.00	981+19.93	RT	315
981+19.93	981+90.00	LT	62
982+35.00	988+35.24	LT	534
981+19.93	981+97.00	RT	69
982+30.00	988+35.24	RT	538
988+35.24	990+90.00	LT	226
991+40.00	995+37.93	LT	354
988+35.24	991+13.00	RT	247
991+60.00	995+37.93	RT	336
995+37.93	1004+69.93	LT	828
995+37.93	1004+69.93	RT	828
1004+69.93	1007+60.00	LT	258
1004+69.93	1007+60.00	RT	258
1007+60.00	1008+72.92	LT	100
1008+72.92	1009+29.38	LT	65
1009+29.38	1009+60.28	LT	34
1007+66.89	1008+23.35	RT	15
1008+23.35	1010+04.87	RT	40
1012+95.11	1014+67.80	LT	192
1015+12.00	1016+00.00	LT	78
1013+41.97	1013+63.50	RT	14
1014+99.70	1015+56.16	RT	15
1015+56.16	1016+00.00	RT	10
1016+00.00	1016+49.30	LT	44
1016+49.30	1017+05.93	LT	66
1017+05.93	1017+38.92	LT	37
1016+00.00	1017+38.92	RT	31
1020+34.92	1021+95.35	LT	178
1020+34.92	1020+68.20	RT	7
1020+68.20	1021+24.66	RT	15
1022+27.00	1023+19.93	LT	83
1022+06.00	1023+19.93	RT	101
1023+19.93	1023+47.00	LT	24
1023+93.00	1025+50.00	LT	140
1023+19.93	1024+29.00	RT	97
1024+85.00	1027+50.00	RT	236
1025+50.00	1034+00.00	LT	756
1027+50.00	1034+00.00	RT	578
1034+35.00	1039+00.00	LT	413
1034+00.00	1037+30.00	RT	293
1037+75.00	1039+00.00	RT	111
39+00.00	40+10.00	LT	98
39+00.00	40+10.00	RT	98
82+36.29	83+59.97	RT	55
82+36.29	83+72.87	LT	61
TOTAL			15010

PORTLAND CEMENT CONCRETE SHOULDERS, 6"			
STATION TO STATION	OFFSET	SO. YD.	
1026+06.00	1033+86.00	LT	173
TOTAL			173

REMOVE EXISTING CULVERTS			
LOCATION	STATION	OFFSET	EACH
MAINLINE	953+15.73	LT	1
MAINLINE	958+10.00	LT	1
MAINLINE	967+27.95	RT	1
MAINLINE	969+63.16	LT	1
MAINLINE	970+80.00	RT	1
MAINLINE	972+37.06	RT	1
MAINLINE	974+61.71	RT	1
MAINLINE	977+46.69	LT	1
MAINLINE	977+48.03	RT	1
MAINLINE	982+15.24	LT	1
MAINLINE	991+30.47	LT	1
MAINLINE	991+35.27	RT	1
MAINLINE	1001+08.52	83' LT	1
MAINLINE	1002+20.00	82' RT	1
MAINLINE	1021+73.10	RT	1
MAINLINE	1022+11.30	LT	1
MAINLINE	1023+77.06	LT	1
MAINLINE	1024+56.23	RT	1
MAINLINE	1034+14.52	83' LT	1
NAZARENE RD.	83+90.45	LT	1
WEBB ST.	241+31.00	RT	1
WEBB ST.	241+31.00	LT	1
COUNTRY ESTATES	105+81.69	LT	1
WBSH RIVER HILLS	128+85.52	-	1
LAKE RD.	150+42.72	-	1
TOTAL			25

GUARDRAIL MARKERS			
STATION TO STATION	OFFSET	EACH	
1008+53.10	1010+13.10	RT	3
1012+89.72	1014+49.72	LT	3
1015+85.94		RT	1
1016+65.94	1017+45.94	RT	4
1020+20.40	1021+80.40	LT	5
203+19.43	205+59.43	RT	2
202+85.89	206+05.89	LT	3
TOTAL			21

BARRIER WALL MARKERS			
STATION TO STATION	OFFSET	EACH	
1010+93.10	1011+73.10	RT	2
1010+49.72	1012+09.72	LT	3
1018+25.94	1019+05.94	RT	2
1017+80.40	1019+40.40	LT	3
TOTAL			10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
SHEET 3 OF 4

DRAWN BY ASB  
CHECKED BY SJK

DATE 03/03

CONTRACT NO. 94827

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

STATION	OFFSET	EACH
940+67.23	75.00' RT	1
940+63.25	85.00' LT	1
944+00.00	85.00' LT	1
948+00.00	90.00' LT	1
951+00.00	90.00' LT	1
953+00.00	70.00' LT	1
954+69.89	75.00' RT	1
955+58.25	290.90' RT	1
955+77.24	283.13' RT	1
955+81.36	79.11' RT	1
956+18.00	65.00' RT	1
957+79.93	70.00' LT	1
958+39.93	70.00' LT	1
966+00.00	65.00' RT	1
966+50.00	70.00' RT	1
969+02.77	70.00' LT	1
969+71.52	60.00' LT	1
970+00.00	70.00' RT	1
970+20.00	60.00' RT	1
974+39.81	60.00' RT	1
975+00.76	60.00' RT	1
977+16.53	60.00' LT	1
977+64.83	60.00' RT	1
977+76.41	70.00' LT	1
980+41.10	80.00' LT	1
980+00.00	70.00' LT	1
990+85.78	118.66' RT	1
991+79.02	207.17' RT	1
991+93.07	192.70' RT	1
996+50.00	100.00' LT	1
996+50.00	120.00' LT	1
998+00.00	100.00' LT	1
1000+00.00	120.00' RT	1
1005+50.00	120.00' RT	1
1005+50.00	140.00' RT	1
1005+50.00	120.00' LT	1
1005+50.00	140.00' LT	1
1011+00.00	114.60' RT	1
1011+00.00	140.00' RT	1
1012+62.89	140.00' LT	1
1015+36.34	110.00' LT	1
1007+34.85	1017.10' LT	1
1007+50.35	1027.49' LT	1
1007+78.91	976.92' LT	1
1008+71.08	852.38' LT	1
1011+41.50	579.44' LT	1
1011+54.43	594.11' LT	1
1013+89.02	372.41' LT	1
1014+27.74	332.44' LT	1
1014+59.54	291.13' LT	1
1014+61.87	357.16' LT	1
1014+91.38	314.19' LT	1
1015+27.37	143.62' LT	1
1019+28.10	110.00' LT	1
1019+28.10	110.00' RT	1
1020+00.00	110.00' RT	1
TOTAL 56		

PREFORMED JOINT FILLER

STATION TO STATION	OFFSET	FEET
1026+06.00	1033+86.00	LT 780
TOTAL 780		

TIE BARS

STATION TO STATION	OFFSET	EACH
1026+06.00	1033+86.00	LT 391
TOTAL 391		

RELOCATE EXISTING MAILBOX

LOCATION	STATION	OFFSET	EACH
MAINLINE	953+43.87	LT	1
MAINLINE	967+27.95	LT	1
MAINLINE	970+60.35	RT	1
MAINLINE	972+51.24	RT	1
MAINLINE	973+13.35	LT	1
MAINLINE	977+64.71	RT	1
MAINLINE	982+32.80	RT	1
MAINLINE	1022+28.92	LT	1
MAINLINE	1024+10.00	LT	6
WEBB ST.	241+07.92	LT	1
COUNTRY EST.	105+96.86	LT	1
WOODBIRD	158+33.21	LT	1
WOODBIRD	158+39.84	LT	1
TOTAL 18			

REMOVE RIGHT-OF-WAY MARKERS

STATION	OFFSET	EACH
956+18.98	RT	1
980+40.55	LT	1
1019+27.90	LT	1
1020+52.46	RT	1
1021+02.89	LT	1
1021+30.02	LT	1
1021+39.99	LT	1
1022+02.77	RT	1
1026+00.19	LT	1
1034+97.34	LT	1
1034+98.42	LT	1
1037+54.11	RT	1
1037+73.63	RT	1
1037+75.06	RT	1
TOTAL 14		

FURNISH RIGHT-OF-WAY MARKERS, SPECIAL

STATION	OFFSET	EACH
1020+50.00	RT	1
1021+75.00	LT	1
1022+00.00	RT	1
1023+35.57	LT	1
1023+41.40	LT	1
1023+96.23	LT	1
1025+62.92	LT	1
1025+74.43	LT	1
1026+01.10	LT	1
1026+16.34	LT	1
1027+00.00	RT	1
1027+62.97	RT	1
1030+50.00	LT	1
1030+71.01	RT	1
1031+00.00	LT	1
1034+00.00	RT	1
1034+00.00	RT	1
1034+32.00	LT	1
1034+32.00	LT	1
1034+52.87	RT	1
1035+00.00	LT	1
1035+78.79	LT	1
1038+00.00	LT	1
1038+34.97	RT	1
1039+00.00	RT	1
40+00.00	RT	1
40+47.48	LT	1
40+50.00	RT	1
41+64.27	RT	1
41+65.68	RT	1
41+73.56	RT	1
43+84.39	RT	1
43+85.53	RT	1
TOTAL 33		

BITUMINOUS BASE COURSE, SUPERPAVE, 6"

LOCATION	STATION TO STATION	OFFSET	SQ. YD.
1200TH ST.	200+73.94	203+77.58	LT&RT 742
1200TH ST.	204+90.24	213+00.00	LT&RT 1979
WOODBIRD	297+30.74	299+38.92	LT&RT 580
WOODBIRD	308+74.14	309+88.00	LT&RT 334
TOTAL 3635			

BITUMINOUS BASE COURSE, SUPERPAVE, 8"

LOCATION	STATION TO STATION	OFFSET	SQ. YD.
NAZARENE	82+36.29	83+65.10	RT 33
NAZARENE	83+65.10	84+56.47	RT 169
TOTAL 202			

(SEE RURAL ENTRANCE SCHEDULE FOR REMAINING QUANTITIES)

BITUMINOUS BASE COURSE, SUPERPAVE, 9 1/2"

LOCATION	STATION TO STATION	OFFSET	SQ. YD.
NAZARENE	955+36.99	955+56.58	RT 8
TOTAL 8			

BITUMINOUS BASE COURSE, SUPERPAVE, 1 1/4"

STATION TO STATION	OFFSET	SQ. YD.
942+50.00	981+19.93	LT&RT 15480
981+19.93	995+37.93	LT&RT 5041
995+37.93	1007+60.00	LT&RT 5057
1007+60.00	1016+00.00	LT&RT 2637
1016+00.00	1023+19.93	LT&RT 2118
1023+19.93	1034+00.00	LT&RT 4560
1034+00.00	1039+00.00	LT&RT 2000
39+00.00	40+10.00	LT&RT 440
40+10.00	41+31.63	LT&RT 357
41+31.63	43+93.20	LT&RT 409
43+93.20	46+80.05	RT 215
TOTAL 38314		

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	942+50.00	1016+00.00	LT&RT 5472
MAINLINE	1016+00.00	1039+00.00	LT&RT 1588
NAZARENE	82+36.29	84+56.47	LT&RT 103
1200TH ST.	200+73.94	213+00.00	LT&RT 305
WOOD BIRD	297+30.74	299+38.92	LT&RT 65
WOOD BIRD	308+74.14	309+88.00	LT&RT 37
TOTAL 7570			

(SEE RURAL ENTRANCE SCHEDULE FOR REMAINING QUANTITIES)

POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	39+00.00	46+80.05	LT&RT 599
TOTAL 599			

LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N70

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	942+50.00	1016+00.00	LT&RT 905
MAINLINE	1016+00.00	1039+00.00	LT&RT 231
TOTAL 1136			

LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N90

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	39+00.00	46+80.05	LT&RT 160
TOTAL 160			

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
SHEET 4 OF 4

DATE 03/03

DRAWN BY ASB  
CHECKED BY SJK

**EARTHWORK STAGE I**

OFFSET	LOCATION	STATION TO	STATION	EARTH EXCAVATION (CUT)	EARTH EXCAVATION (SPECIAL) (CUT)	CHANNEL EXCAVATION (CUT)	*EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
				CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
RT	MAIN LINE	941+00.00	1010+00.00	10,973	-	-	8,230	11,804	-3,574
RT	MAIN LINE	1013+00.00	1016+00.00	113	-	-	85	2,216	-2,131
RT	MAIN LINE	1016+00.00	1017+00.00	42	-	-	32	818	-786
RT	MAIN LINE	1020+00.00	46+80.05	18,890	-	-	14,168	6,745	7,423
LT & RT	NAZARENE RD	82+36.29	84+87.47	100	-	-	75	72	3
LT & RT	LYNN ACRES DR	98+75.00	100+00.00	40	-	-	30	6	24
LT & RT	WBSH RIVER HILL RD	127+05.43	130+00.00	762	-	-	572	277	295
LT & RT	WOOD BIRD DR	297+30.74	310+00.00	5576	-	-	4,182	-	4,182
LT & RT	FORD AVE	183+75.00	185+00.00	351	-	-	263	-	263
STAGE I TOTAL				36,847	0	0	27,637	21,938	5,699

**EARTHWORK STAGE II**

OFFSET	LOCATION	STATION TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
				CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
LT	MAIN LINE	941+00.00	1010+00.00	12,023	-	-	9,017	13,397	-4,380
LT	MAIN LINE	1013+00.00	1016+00.00	100	-	-	75	2,424	-2,349
LT	MAIN LINE	1016+00.00	1017+00.00	36	-	-	27	884	-857
LT	MAIN LINE	1020+00.00	1026+03.00	2,149	-	-	1,612	1,332	280
LT	MAIN LINE	1026+03.00	1033+86.00	-	13,527	-	-	10,145	10,145
LT	MAIN LINE	1033+86.00	46+80.05	1,053	-	-	790	2,218	-1,428
LT & RT	WEBB ST	240+00.00	241+75.00	204	-	-	153	2	151
LT & RT	BRIARWOOD DR	90+00.00	91+25.00	57	-	-	43	3	40
LT & RT	COUNTRY ESTATES	105+00.00	106+00.00	19	-	-	14	9	5
LT & RT	LEPRECHAUN LN	110+00.00	110+61.00	23	-	-	17	3	14
LT & RT	IRISH HILL RD	120+00.00	121+00.00	69	-	-	52	9	43
LT & RT	1200th ST	200+00.00	213+00.00	7,259	-	-	5,444	12,943	-7,499
LT & RT	GREEN CREEK	499+25.00	503+25.00	-	-	3724	2,793	4,458	-1,665
LT & RT	LAKE RD	150+00.00	151+05.03	33	-	-	25	3	22
STAGE II TOTAL				23,025	13,527	3,724	30,207	37,685	-7,478
GRAND TOTAL				59,872	13,527	3,724	57,844	59,623	-1,779

\*EARTH EXCAVATION OR CHANNEL EXCAVATION MULTIPLIED BY SHRINKAGE FACTOR (1 - 0.25 = 0.75)

**TOPSOIL EXCAVATION AND PLACEMENT STAGE I**

OFFSET	LOCATION	STATION TO	STATION	EXCAVATION (CUT)	*EXCAVATION ADJUSTED FOR SHRINKAGE	PLACEMENT (FILL)	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
				CU YD	CU YD	CU YD	CU YD
RT	MAIN LINE	941+00.00	1010+00.00	6,287	5,658	3,691	1,967
RT	MAIN LINE	1013+00.00	1016+00.00	392	353	272	81
RT	MAIN LINE	1016+00.00	1017+00.00	147	132	108	24
RT	MAIN LINE	1020+00.00	46+80.05	1,032	929	1,168	-239
LT & RT	NAZARENE RD	82+36.29	84+87.47	-	-	66	-66
LT & RT	LYNN ACRES DR	98+75.00	100+00.00	-	-	9	-9
LT & RT	WBSH RIVER HILL RD	127+05.43	130+00.00	-	-	93	-93
LT & RT	WOOD BIRD DR	297+30.74	310+00.00	-	-	261	-261
LT & RT	FORD AVE	178+79.12	185+00.00	-	-	190	-190
STAGE I TOTAL				7,858	7,072	5,858	1,214

**TOPSOIL EXCAVATION AND PLACEMENT STAGE II**

OFFSET	LOCATION	STATION TO	STATION	CU YD	CU YD	CU YD	CU YD
				CU YD	CU YD	CU YD	CU YD
LT	MAIN LINE	941+00.00	1010+00.00	6,557	5,901	3,879	2,022
LT	MAIN LINE	1013+00.00	1016+00.00	403	363	189	174
LT	MAIN LINE	1016+00.00	1017+00.00	144	130	106	24
LT	MAIN LINE	1020+00.00	1026+03.00	357	321	207	114
LT	MAIN LINE	1026+03.00	1033+86.00	-	-	198	-198
LT	MAIN LINE	1033+86.00	46+80.05	593	534	301	233
LT & RT	WEBB ST	240+00.00	241+75.00	-	-	27	-27
LT & RT	BRIARWOOD DR	90+00.00	91+25.00	-	-	23	-23
LT & RT	COUNTRY ESTATES	105+00.00	106+00.00	-	-	7	-7
LT & RT	LEPRECHAUN LN	110+00.00	110+61.00	-	-	-	-
LT & RT	IRISH HILL RD	120+00.00	121+00.00	-	-	18	-18
LT & RT	1200th ST	200+00.00	213+00.00	-	-	788	-788
LT & RT	LAKE RD	150+00.00	151+05.03	-	-	9	-9
STAGE II TOTAL				8,054	7,249	5,752	1,497
GRAND TOTAL				15,912	14,321	11,610	2,711

\*TOPSOIL EXCAVATION MULTIPLIED BY SHRINKAGE FACTOR (1 - 0.10 = 0.90)

**SEEDING**

STATION TO	STATION	OFFSET	SEEDING CLASS 2A	SEEDING CLASS 4A	SEEDING CLASS 4B	SEEDING CLASS 5	SEEDING CLASS 5B	NITROGEN FERTILIZER	PHOSPHOROUS FERTILIZER	POTASSIUM FERTILIZER	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING
			ACRE	ACRE	ACRE	ACRE	ACRE	POUND	POUND	POUND	TON	TON	POUND
942+50.00	946+00.00	LT	0.2	0.1	-	0.1	-	27	27	27	0.6	0.6	30
942+50.00	946+00.00	RT	0.1	0.1	-	0.1	-	18	18	18	0.4	0.4	20
946+00.00	957+00.00	LT	0.6	0.3	-	0.3	-	81	81	81	1.8	1.8	90
946+00.00	957+00.00	RT	0.5	0.3	-	0.3	-	72	72	72	1.6	1.6	80
957+00.00	970+00.00	LT	0.4	0.2	-	0.2	-	54	54	54	1.2	1.2	60
957+00.00	970+00.00	RT	0.3	0.2	-	0.2	-	45	45	45	1.0	1.0	50
970+00.00	982+00.00	LT	0.3	0.2	-	0.2	-	45	45	45	1.0	1.0	50
970+00.00	982+00.00	RT	0.2	0.2	-	0.2	-	36	36	36	0.8	0.8	40
982+00.00	994+00.00	LT	0.3	0.6	-	0.6	-	81	81	81	1.8	1.8	90
982+00.00	994+00.00	RT	0.5	0.6	-	0.6	-	99	99	99	2.2	2.2	110
994+00.00	1007+00.00	LT	1.5	0.4	-	0.4	-	171	171	171	3.8	3.8	190
994+00.00	1007+00.00	RT	1.3	0.4	-	0.4	-	153	153	153	3.4	3.4	170
1007+00.00	1016+00.00	LT	1.3	0.2	-	0.2	-	135	135	135	3.0	3.0	150
1007+00.00	1016+00.00	RT	1.0	0.2	-	0.2	-	108	108	108	2.4	2.4	120
203+50.00	213+10.00	LT	0.4	-	1.8	-	1.8	198	198	198	4.4	4.4	220
203+50.00	213+10.00	RT	0.4	-	0.6	-	0.6	90	90	90	2.0	2.0	100
1016+00.00	1021+00.00	LT	0.4	-	-	-	-	36	36	36	0.8	0.8	40
1016+00.00	1021+00.00	RT	0.4	-	-	-	-	36	36	36	0.8	0.8	40
1021+00.00	1032+00.00	LT	0.5	0.3	-	0.3	-	72	72	72	1.6	1.6	80
1021+00.00	1032+00.00	RT	0.3	0.4	-	0.4	-	63	63	63	1.4	1.4	70
1032+00.00	46+80.05	LT	0.6	0.2	-	0.2	-	72	72	72	1.6	1.6	80
1032+00.00	46+80.05	RT	1.2	0.5	-	0.5	-	153	153	153	3.4	3.4	170
TOTALS			12.7	5.4	2.4	5.4	2.4	1,845	1,845	1,845	41.0	41.0	2,050

**REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL**

OFFSET	LOCATION	STATION TO	STATION	EXCAVATION (CUT)
				CU YD
RT	MAIN LINE	957+00.00	962+00.00	743
LT	MAIN LINE	952+00.00	962+00.00	1000
STAGE II TOTAL				1,743

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**EARTHWORK AND SEEDING SCHEDULES**

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY TGC

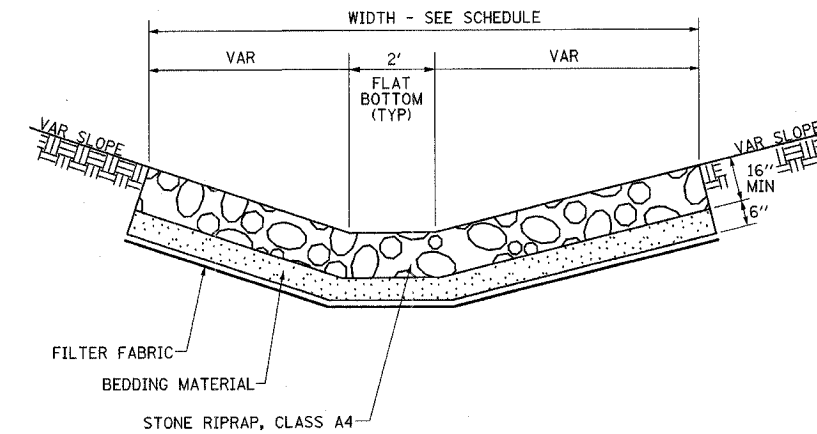


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	23

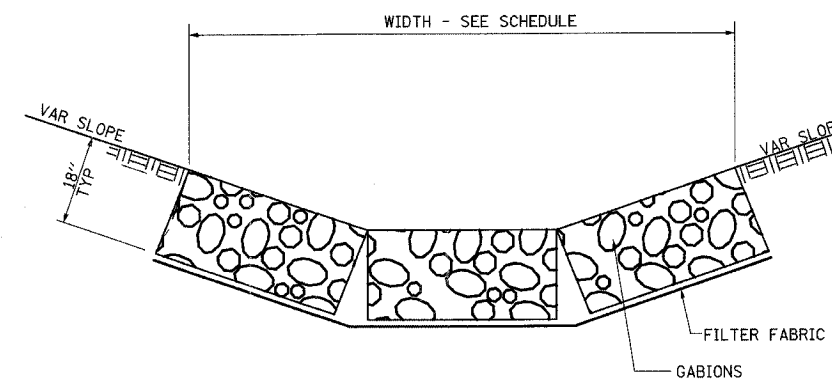
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

\*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

DITCH SCHEDULE							
STATION TO STATION	OFFSET	LENGTH	WIDTH	EROSION CONTROL	STONE RIPRAP	GABIONS	FILTER FABRIC FOR
				BLANKET	CLASS A4		USE W/ RIPRAP
		FEET	FEET	SQ YD	SQ YD	CU YD	SQ YD
951+40.00 - 952+00.00	LT	60	9	-	60	-	60
968+03.00 - 968+15.00	RT	12	19	25	-	-	-
968+15.00 - 969+00.00	RT	85	9	85	-	-	-
982+51.00 - 990+96.00	LT	845	9	-	845	-	845
982+60.00 - 991+13.00	RT	853	9	-	853	-	853
991+52.00 - 996+75.00	LT	523	9	-	523	-	523
991+71.00 - 996+75.00	RT	504	9	-	504	-	504
1020+00.00 - 1021+50.00	RT	150	9	-	150	-	150
1020+50.00 - 1021+00.00	LT	50	9	-	-	25	50
1020+50.00 - 1021+60.00	LT	110	9	-	110	-	110
1022+36.00 - 1023+43.00	LT	107	9	-	107	-	107
1023+50.00 - 1024+00.00	RT	50	9	50	-	-	-
1023+98.00 - 1025+50.00	LT	152	9	-	152	-	152
1024+00.00 - 1024+32.00	RT	32	9	-	32	-	32
1024+78.00 - 1027+50.00	RT	272	9	-	272	-	272
1034+70.00 - 1036+00.00	RT	153	9	-	-	76	153
1034+38.41 - 1037+00.00	LT	292	9	-	-	146	292
TOTALS				160	3,608	247	4,103



DETAIL OF STONE RIPRAP, CLASS A4



DETAIL OF GABIONS

(ASSUMED GABION BASKET SIZE OF 3'Wx6'Lx18"H AND/OR 3'Wx9'Lx18"H)

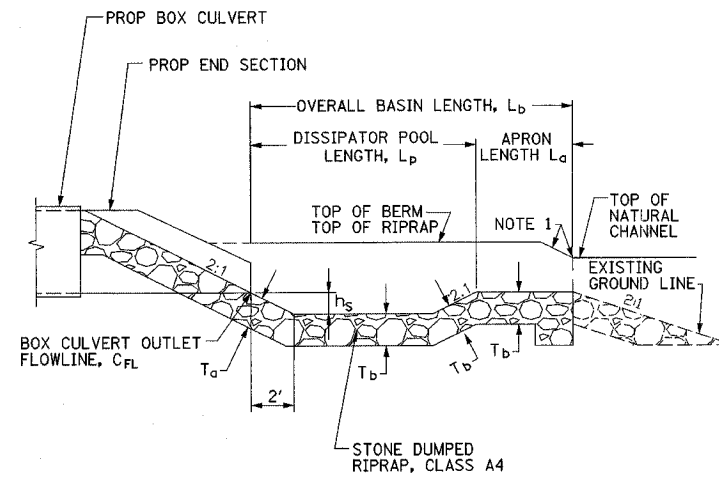
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

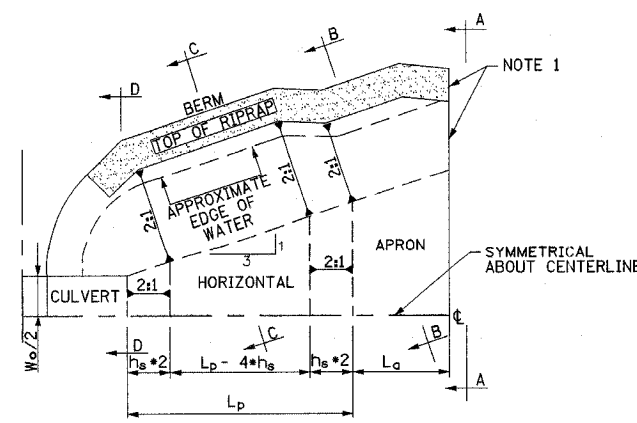
DITCH RIPRAP SCHEDULE AND DETAILS

DRAWN BY MLO  
 CHECKED BY TGC

DATE 8/02

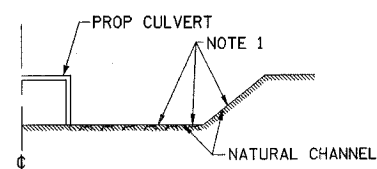


**SECTION**

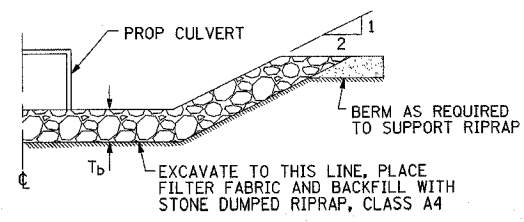


**HALF PLAN**

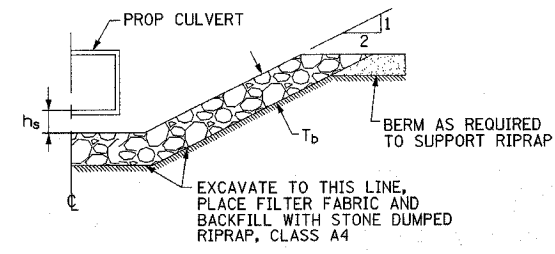
NOTE: WARP BASIN TO CONFORM TO NATURAL STREAM CHANNEL. TOP OF RIPRAP IN FLOOR OF BASIN SHOULD BE AT THE SAME ELEVATION OR LOWER THAN NATURAL CHANNEL BOTTOM AT SECTION A-A.



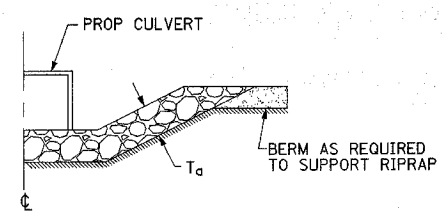
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

RIPRAP STILLING BASIN SCHEDULE													
STATION	OFFSET	BARREL WIDTH OF BOX CULVERT	BOX CULVERT OUTLET FLOWLINE	DISSIPATOR POOL LENGTH	APRON LENGTH	OVERALL BASIN LENGTH	DEPTH OF BASIN BELOW THE CULVERT FLOWLINE	THICKNESS OF APPROACH	TYPICAL THICKNESS OF BASIN	STONE RIPRAP CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP	EARTH EXCAVATION FOR EROSION CONTROL	GABIONS
		$W_o$	$C_{FL}$	$L_p$	$L_a$	$L_b$	$h_s$	$T_a$	$T_b$	(SQ YD)	(SQ YD)	(CU YD)	(CU YD)
		(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)				
951+33.21	LT	4.0	599.87	12.0	4.0	16	0.90	1.5	1.0	27	27	12	12
1034+79.00	RT	4.0	551.40	37.5	18.5	56	3.75	3.0	2.0	248	248	344	344
TOTALS										275	275	356	356

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		RIPRAP STILLING BASIN SCHEDULE AND DETAILS
DATE 8/02		DRAWN BY MLO CHECKED BY TGC

**ENTRANCE CULVERT SCHEDULE**

PROPOSED MATERIAL	TYPE	SIDE/STATION	EXISTING CULVERT SIZE	PIPE CULVERT, CLASS D						END SECTIONS							
				TYPE I			TYPE II			15"	18"	21"	24"	30"	15" EQ RND		
				15"	18"	21"	24"	15" EQ RND	21"							30"	
				FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH
AGG	CE	LT/ 953+15.73	18"Ø			58								2			
AGG	PE	RT/ 967+27.95	12"Ø	31								2					
BIT	PE	RT/ 970+42.68	12"Ø	36								2					
CONC	PE	RT/ 972+37.06	12"Ø					30									2
CONC	PE	RT/ 977+48.03	15"Ø		32							2					
AGG	FE	LT/ 1001+08.52	21"Ø							81						2	
AGG	FE	RT/ 1002+39.03	24"Ø							85						2	
BIT	CE	RT/ 1021+73.10	24"Ø				38						2				
CONC	PE	LT/ 1022+11.30	15"Ø	74								2					
AGG	CE	RT/ 1024+56.23	15"Ø		44							2					
BIT	PE	LT/ 1034+14.52	12"Ø	37								2					
AGG	CE	LT/ 241+31.00 WEBB ST	12"Ø					62									2
AGG	CE	RT/ 241+31.00 WEBB ST	12"Ø					46									2
AGG	FE	RT/ 203+00.00 1200TH ST	N/A						80			2					
TOTAL				178	76	58	38	138	80	166	8	4	4	2	4	6	

**PUBLIC ROAD CULVERT SCHEDULE**

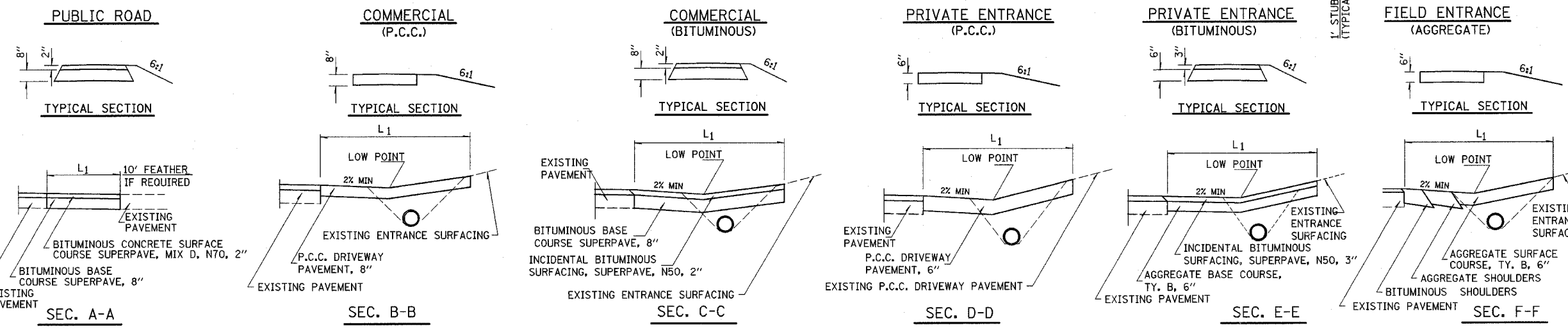
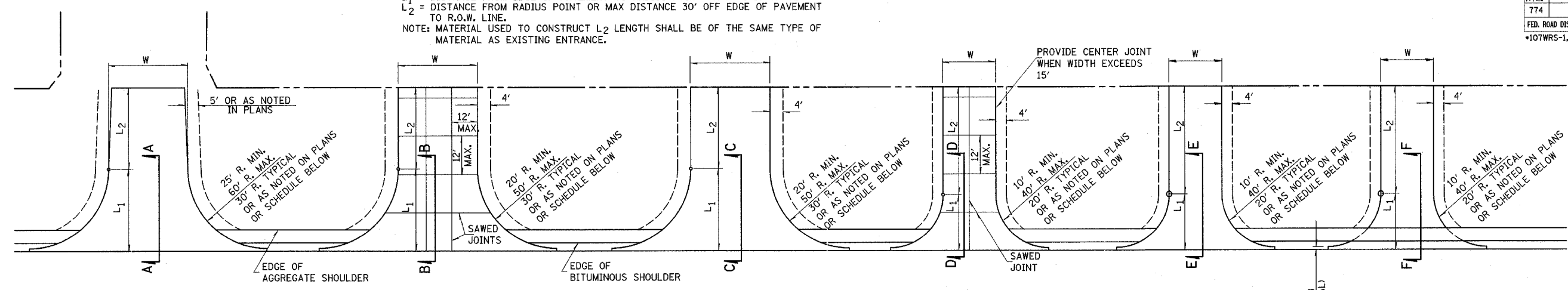
PUBLIC ROAD/SIDE/STATION	EXISTING CULVERT SIZE	PIPE CULVERT, CLASS A, TYPE I		PIPE CULVERT, CLASS D, TYPE I			PRC FLARED END SECTIONS	END SECTIONS						
		18"	15"	24"	30"	15" EQUIV ROUND		18"	15"	24"	30"	15" EQUIV ROUND		
		FT	FT	FT	FT	FT	EACH						EACH	EACH
NAZARENE RD RT/955+28.27	18"Ø	130					3							
WEBB ST LT/958+10.00	15"Ø		47					2						
BRIARWOOD DR LT/969+63.16	15"Ø		50					2						
LYNN ACRES DR RT/974+61.71	12"Ø					47							2	
CTRY ESTS RD LT/977+46.69	15"Ø					40							2	
LEPRECHAUN LN LT/982+15.24	18"Ø			65					2					
IRISH HILL LT/991+30.47	24"Ø			56						2				
WBSH RIVER HILL RT/991+35.27	24"Ø				55								2	
LAKE RD LT/1023+77.06	15"Ø		51						2					
WOOD BIRD 309+76.00	N/A		65						2					
TOTAL		130	213	121	55	87	3	8	4	2	4			

NOTE: SEE PLAN AND PROFILES FOR ADDITIONAL DETAILS

\*DGN-SPEC\*  
\*DATE\*

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>ENTRANCE PIPE CULVERT SCHEDULES</b>  DRAWN BY MLO CHECKED BY SJK  DATE 8/02

L<sub>1</sub> = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT OR MAX. DISTANCE 30'  
L<sub>2</sub> = DISTANCE FROM RADIUS POINT OR MAX DISTANCE 30' OFF EDGE OF PAVEMENT TO R.O.W. LINE.  
NOTE: MATERIAL USED TO CONSTRUCT L<sub>2</sub> LENGTH SHALL BE OF THE SAME TYPE OF MATERIAL AS EXISTING ENTRANCE.



ENTRANCE SCHEDULE

EXIST SURFACE	TYPE	SIDE/STATION	WIDTH	LENGTH		RADIUS	AGGREGATE BASE COURSE TYPE B TON	BITUMINOUS BASE COURSE SUPERPAVE, 8" SQ. YD.	AGGREGATE SURFACE COURSE TYPE B TON	INCLD. BIT. SURFACING, N50, SUPERPAVE, N50 TON	P.C.C. DRIVEWAY PAV'T, 6" SQ. YD.	TEMPORARY ACCESS (PE) EACH	TEMPORARY ACCESS (CE) EACH
				L <sub>1</sub>	L <sub>2</sub>								
AGG	CE	LT/953+15.73	35'	30'	8'	30'							
AGG	PE	RT/967+27.95	12'	20'	18'	20'	16	160	11	18			
BIT	PE	RT/970+42.68	24'	20'	8'	20'	32		8	16			
CONC	PE	RT/972+37.06	17'	20'	31'	20'					115	1	
CONC	PE	LT/973+25.02	12'	20'	8'	20'					56	1	
CONC	PE	RT/977+48.03	22'	20'	8'	20'					88	1	
BIT	PE	RT/982+13.12	22'	20'	20'	20'	133			65		1	
EARTH	FE	LT/1001+08.52	12'	20'	68'	20'			5			1	
AGG	FE	RT/1002+39.03	12'	20'	68'	20'			36			1	
AGG	FE	RT/1013+70.97	15'	20'	105'	20'			66			1	
BIT	CE	RT/1021+73.10	35'	30'	5'	20'		179		20			1
CONC	PE	LT/1022+11.30	20'	20'	31'	20'					195	1	
AGG	CE	RT/1024+56.23	35'	30'	3'	30'		160	4	18			1
BIT	PE	LT/1034+14.52	24'	20'	20'	20'	119			58		1	

ENTRANCE SCHEDULE

EXIST SURFACE	TYPE	SIDE/STATION	WIDTH	LENGTH		RADIUS	AGGREGATE BASE COURSE TYPE B TON	BITUMINOUS BASE COURSE SUPERPAVE, 8" SQ. YD.	AGGREGATE SURFACE COURSE TYPE B TON	INCLD. BIT. SURFACING, N50, SUPERPAVE, N50 TON	P.C.C. DRIVEWAY PAV'T, 6" SQ. YD.	TEMPORARY ACCESS (PE) EACH	TEMPORARY ACCESS (CE) EACH
				L <sub>1</sub>	L <sub>2</sub>								
AGG	FE	LT/81+33.05	20'	10'	-	10'			9			1	
BIT	MB	LT/241+07.92	35'	17'	-	17'	6	80		3			1
AGG	CE	LT/241+31.00	35'	17'	-	17'		80		9			1
AGG	CE	RT/241+31.00	35'	17'	-	17'				9			1
AGG	FE	RT/203+00.00	12'	19'	64'	20'			49			1	
AGG	FE	LT/211+87.45	35'	7'	-	-			7			1	
CONC	PE	LT/105+81.69	24'	10'	8'	10'					55	1	
BIT	MB	LT/105+96.86	16'	34'	-	20'/52'	6		21	3			1
EARTH	FE	LT/184+07.92	16'	34'	-	20'/52'							

PUBLIC ACCESS	STATION RANGE
RELOCATED NAZARENE RD	79+50.00 - 84+87.47
WEBB ST	240+00.00 - 242+00.00
BRIARWOOD DR	90+00.00 - 92+50.00
LYNN ACRES DR	97+50.00 - 100+00.00
COUNTRY ESTATES RD	105+00.00 - 107+00.00
LEPRECHAUN LANE	110+00.00 - 112+37.28
IRISH HILL RD	120+00.00 - 122+64.46
WABASH RIVER HILLS RD	127+05.43 - 130+00.00
RELOCATED 1200TH ST	200+00.00 - 214+52.15
LAKE RD	150+00.00 - 153+00.00
RELOCATED WOOD BIRD DR	300+00.00 - 310+00.00
FORD AVE	178+79.12 - 189+43.16

- ① SEE STANDARD 406201 FOR DETAILS. SEE SECTION E-E FOR SIMILAR SECTION.
- ② SEE PLAN AND PROFILE SHEET FOR DETAILS. NOTE: QUANTITY INCLUDES LANE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

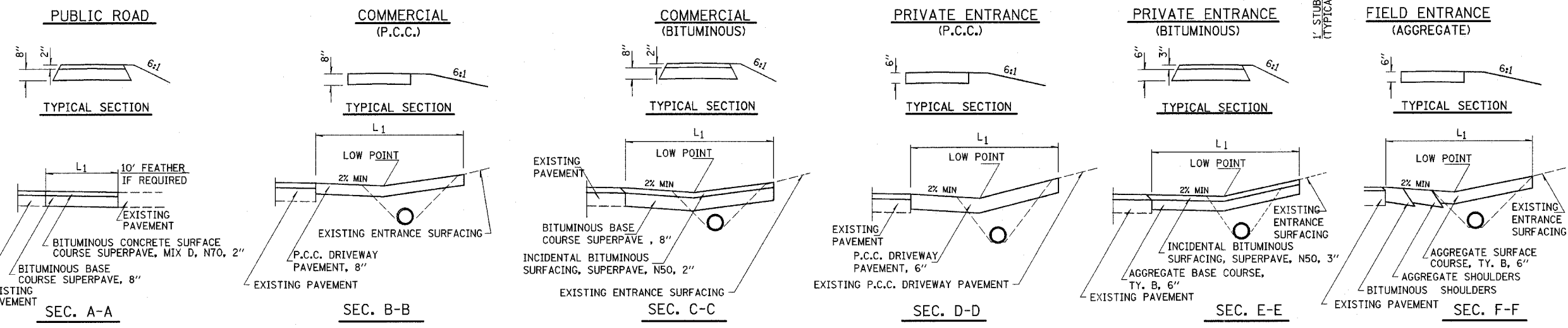
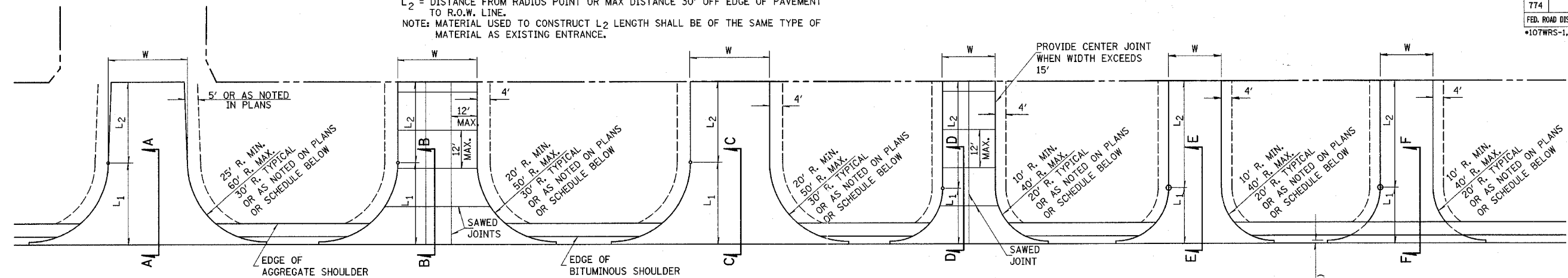
**RURAL ENTRANCE  
DETAILS & SCHEDULES  
SHEET 1 OF 2**

DRAWN BY DIST 7  
CHECKED BY BWC

DATE 8/02

\*DGN-SPEC\*  
\*DATE\*

L<sub>1</sub> = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT OR MAX. DISTANCE 30'  
L<sub>2</sub> = DISTANCE FROM RADIUS POINT OR MAX DISTANCE 30' OFF EDGE OF PAVEMENT TO R.O.W. LINE.  
NOTE: MATERIAL USED TO CONSTRUCT L<sub>2</sub> LENGTH SHALL BE OF THE SAME TYPE OF MATERIAL AS EXISTING ENTRANCE.



PUBLIC ROAD SCHEDULE

EXIST SURFACE	SIDE/STATION	WIDTH	LENGTH		RADIUS	BITUMINOUS BASE COURSE SUPERPAVE, 8"	BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, N70	TEMPORARY ACCESS (ROAD)
			L <sub>1</sub>	L <sub>2</sub>				
O&C	NAZARENE RD RT/955+28.27	①	-	-	-	-	-	1
O&C	WEBB ST LT/958+10.00	-	-	-	-	427	48	1
O&C	BRIARWOOD DR LT/969+63.16	-	-	-	-	293	33	1
O&C	LYNN ACRES DR RT/974+61.71	-	-	-	-	316	35	1
O&C	CTRY ESTS RD LT/977+46.69	-	-	-	-	214	24	1
BIT	LEPRECHAUN LN LT/982+15.24	-	-	-	-	122	14	1

PUBLIC ROAD SCHEDULE

EXIST SURFACE	SIDE/STATION	WIDTH	LENGTH		RADIUS	BITUMINOUS BASE COURSE SUPERPAVE, 8"	BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, N70	TEMPORARY ACCESS (ROAD)
			L <sub>1</sub>	L <sub>2</sub>				
BIT	IRISH HILL LT/991+30.47	-	-	-	-	238	27	1
O&C	WBSH RIVER HILL RT/991+35.27	-	-	-	-	463	52	1
BIT	1200TH ST LT/1015+03.93	-	-	-	-	152	17	1
O&C	LAKE RD LT/1023+77.06	-	-	-	-	226	25	1
O&C	WOOD BIRD DR RT/1037+50.00	-	-	-	-	123	14	1
CONC	FORD AVE RT/42+30.86	-	-	-	-	503	56	1

NOTE:  
FOR GEOMETRY OF PUBLIC ROAD RETURNS, SEE INTERSECTION GEOMETRIC DETAILS.

① AT NAZARENE RD: RETURN NOT REBUILT. EXISTING ROAD WIDENED. SEE "SCHEDULE OF QUANTITIES"

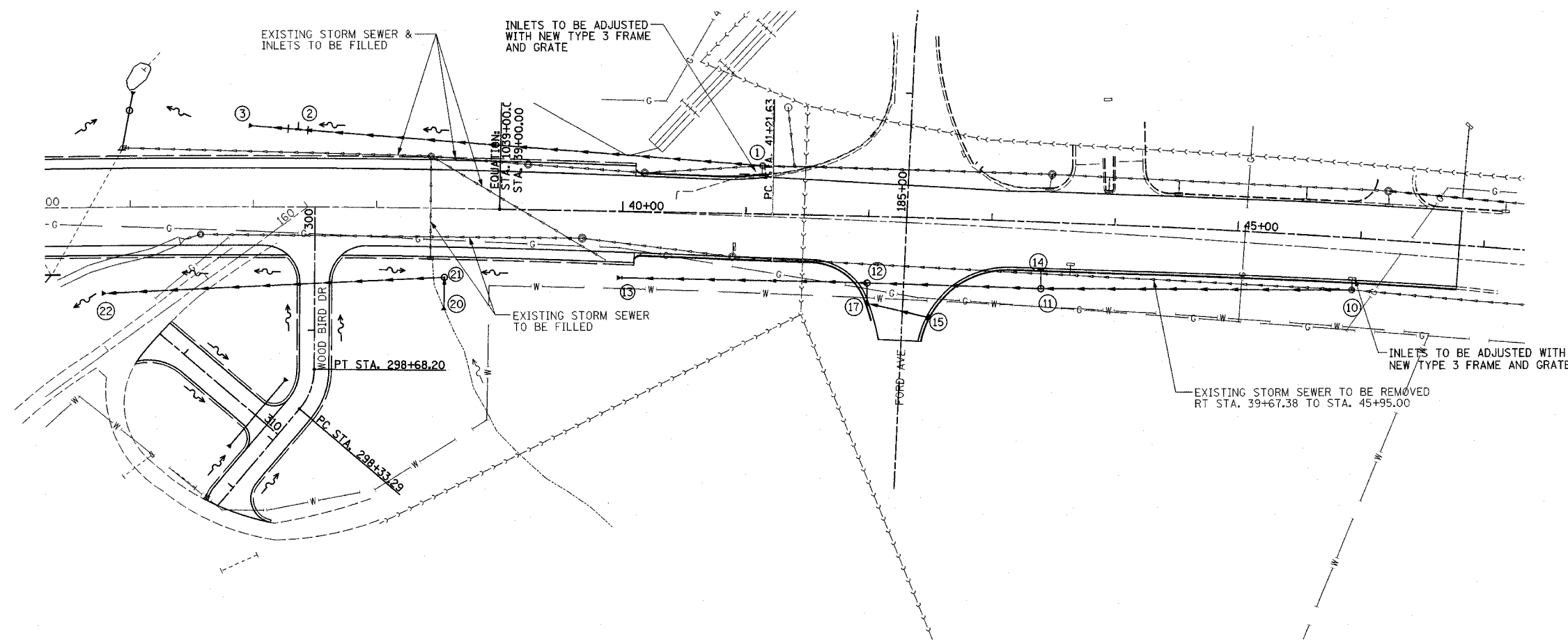
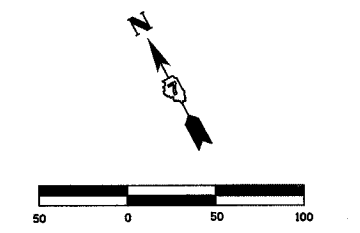
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
RURAL ENTRANCE DETAILS & SCHEDULES  
SHEET 2 OF 2  
DRAWN BY DIST 7  
CHECKED BY BWC  
DATE 8/02

•DCN-SPEC•  
•DATE•

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	28

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



PT	LOCATION	DESCRIPTION	POINT OF GRADE *	INLET	INLET	OUTLET	SYMBOL
1	39.0' LT, STA. 41+12.79	EXISTING MANHOLE **	588.73	584.62 S	578.36 E	578.34 W	⊙
2	62.3' LT, STA. 1037+36.00	PR RC PIPE TEE 24P 24R W/ MEDIAN INLET (604101)	577.10	581.10	--	577.00	⊥
3	64.3' LT, STA. 1037+00.00	PR PRC FES, 24"	--	--	--	577.00	▶
10	43.0' RT, STA. 45+95.00	EXISTING MANHOLE **	596.69	--	590.76 E	590.76 W	⊙
11	54.0' RT, STA. 43+42.00	PR MH, TA, 5'Ø, T8G	593.00	588.38 N	587.73 E	587.63 W	⊙
12	50.0' RT, STA. 42+05.00	PR MH, TA, 5'Ø, T1F CL	589.20	585.10 S	586.00 E	585.00 W	⊙
13	54.0' RT, STA. 40+00.00	PR PRC FES, 24"	--	--	--	584.00	▶
14	39.0' RT, STA. 43+41.40	PR INLET, TY A, T3 F&G	591.60	--	--	588.80	—
15	81' RT, STA. 42+51	PR INLET, TY B, T3 F&G	589.40	--	--	586.53	—
16	NOT USED						
17	69.9' RT, STA. 42+00	PR MH, TA, 4'Ø, T3 F&G	589.04	585.88 SE	--	585.30 N	—
20	79.0' RT, STA. 1038+56.00	PR PRC FES, 24"	--	--	577.00	--	
21	56.0' RT, STA. 1038+56.00	PR MH, TA, 5'Ø, M IN, 604106	581.05	--	576.50 W	576.60 S	⊙
22	71.0' RT, STA. 1035+80.00	PR PRC FES, 36"	--	--	--	573.50	▶

- POINTS OF GRADE  
 TYPE 1 - TOP OF CASTING  
 TYPE 3 - EDGE OF PAVEMENT  
 TYPE 8 - HORIZONTAL RIM OF CASTINGS

\*\* CONNECT PROPOSED STORM SEWER TO EXISTING MANHOLE.  
 COST OF CONNECTION INCLUDED IN COST OF PROPOSED STORM SEWER.

PT TO PT	STORM SEWER, CLASS A, TYPE 1			STORM SEWER, RUBBER GASKET, CLASS A, TYPE 1			SLOPE %
	15"	24"	36"	12"	18"	24"	
1-2		374'					0.32%
2-3		33'					0.32%
10-11		253'					1.20%
11-12					137'		1.20%
12-13					205'		0.49%
14-11	15'						2.80%
15-17				51'			1.27%
17-12					21'		1.00%
20-21		25'					2.00%
21-22			276'				1.06%
TOTALS	15'	685'	276'	51'	21'	342'	

**SPECIAL DRAINAGE NOTE:**

- STRUCTURE ② RC PIPE TEE 24P 24R TO BE INSTALLED WITH THE RISER IN THE VERTICAL POSITION WITH MEDIAN INLET (604101) CONSTRUCTED ABOVE RISER.

FOR DITCH & STORM SEWER PROFILE SEE SHEETS 64-66

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

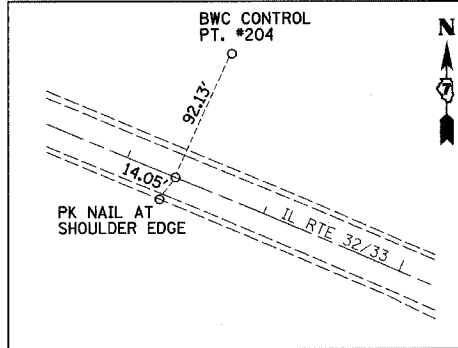
**STORM SEWER SCHEDULE**

DATE 8/02

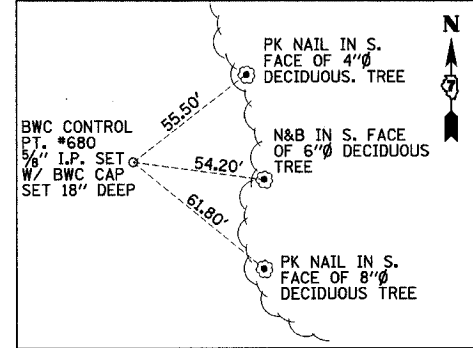
DRAWN BY MLO

CHECKED BY SJK

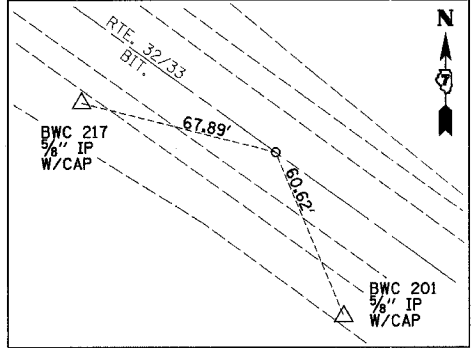




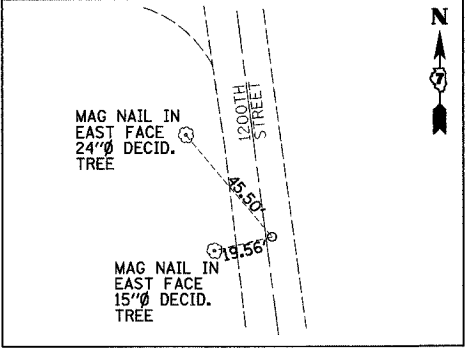
PC OF PROP. 5 STA. 988+35.24 (MAG NAIL)



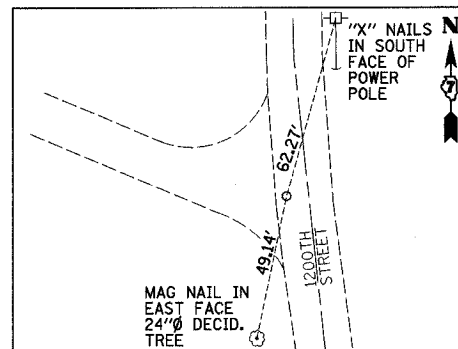
P.O.T. PROP. 5 STA. 1017+37.29 OFFSET 377.64' LT (MAG NAIL)



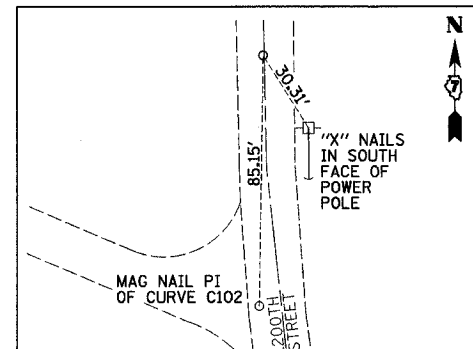
CL RELOCATED 1200TH STREET STA. 200+00.00 = CL RTE. 32/33 STA. 1015+03.93 (MAG NAIL)



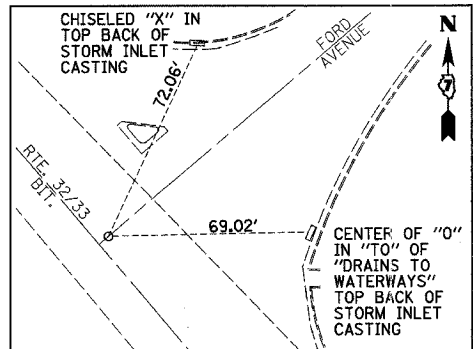
PC PROP. CURVE C102 (RELOCATED 1200TH STREET) STA. 210+96.27 (MAG NAIL)



PI PROP. CURVE C102 (RELOCATED 1200TH STREET) STA. 211+81.42 (MAG NAIL)



PT PROP. CURVE C102 (RELOCATED 1200TH STREET) STA. 212+65.74 (MAG NAIL)



CL PROP. FORD AVE. (SOUTH) STA. 185+00.00 = CL RTE. 32/33 STA. 42+30.72 (MAG NAIL & FLAGGING)

BM #53  
25' RT. STA. 940+57, ELEV. 608.01  
CHISELED "□" SOUTHEAST CORNER  
CONCRETE HEADWALL

BM #6  
30' RT. STA. 951+33, ELEV. 606.30  
CHISELED "□" SOUTH END CONCRETE BOX CULVERT

BM #7  
36' RT. STA. 971+17, ELEV. 606.61  
RR SPIKE IN POWER POLE

BM #55  
45' RT. STA. 974+88, ELEV. 605.86  
PAINT MARK ON NORTH CAP BOLT OF  
FIRE HYDRANT AT LYNN ACRES ROAD AND  
IL RTE 32/33

BM #8  
78' RT. STA. 981+01, ELEV. 600.57  
RR SPIKE IN POWER POLE

BM #9  
121' RT. STA. 991+87, ELEV. 558.84  
CHISELED "X" IN NORTH BOLT OF FIRE  
HYDRANT AT WABASH RIVERHILLS AND  
IL RTE 32/33

BM #250078  
22' RT. STA. 1010+31, ELEV. 543.53  
CHISELED "□" ABOVE BRIDGE NAME PLATE

BM 250077  
22' RT. STA. 1017+17, ELEV. 543.66  
CHISELED "□" ABOVE BRIDGE NAME PLATE

BM #60  
79' RT. STA. 1024+86, ELEV. 548.63  
CHISELED "X" ON NORTH FLANGE BOLT  
OF FIRE HYDRANT

BM #12  
18' RT. STA. 1030+71, ELEV. 570.76  
CHISELED "□" BACK OF GUTTER AT  
SOUTHWEST CORNER OF DROP INLET

BM #59  
56' LT. STA. 47+13, ELEV. 598.48  
CHISELED "□" SOUTH EDGE OF CONCRETE  
PARKING LOT OF EFFINGHAM PLAZA  
10.5' SOUTH OF PLAZA SIGN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTROL TIES  
AND BENCHMARKS  
SHEET 1 OF 1

DRAWN BY NJV  
CHECKED BY TLS

DATE 5/2/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	30
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

PROP. CURVE C1A  
 P.I. STA. = 539+99.97  
 $\Delta = 3^\circ 53' 00''$  (LT)  
 $D = 0^\circ 24' 00''$   
 $R = 14,323.90'$   
 $T = 485.59'$   
 $L = 970.81'$   
 $E = 8.23'$   
 $e = 1.56\%$   
 P.C. STA. = 535+14.38  
 P.T. STA. = 544+85.19  
 SE REMOVED STA. 544+00.00 TO STA. 547+00.00

PROP. CURVE C75  
 P.I. STA. = 223+92.58  
 $\Delta = 31^\circ 32' 36''$  (RT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 84.73'$   
 $L = 165.16'$   
 $E = 11.74'$   
 $e = N/C$   
 P.C. STA. = 223+07.85  
 P.T. STA. = 224+73.01

PRC STA. 223+07.85 =  
 STA. 544+65.39 (IL RTE 33) =  
 STA. 223+07.85 (RELOCATED 1700TH AVE)

STATION EQUATION:  
 STA. 225+23.01 BK =  
 STA. 224+88.76 AH

STATION EQUATION:  
 POT STA. 50+00.00 =  
 STA. 872+16.80

STATION EQUATION:  
 4' LT STA. 872+23.35 =  
 PC STA. 872+20.78

PROP. CURVE C98  
 P.I. STA. = 52+26.30  
 $\Delta = 14^\circ 59' 59''$  (RT)  
 $D = 9^\circ 52' 43''$   
 $R = 580.01'$   
 $T = 76.36'$   
 $L = 151.84'$   
 $E = 5.00'$   
 $e = 4.00\%$   
 P.C. STA. = 51+49.94  
 P.T. STA. = 53+01.78  
 SE ATTAINED STA. 50+20.00 TO STA. 51+90.00  
 SE REMOVED STA. 52+60.00 TO STA. 54+30.00

EXISTING CURVE C5  
 P.I. STA. = 53+04.92  
 $\Delta = 14^\circ 49' 30''$  (RT)  
 $D = 4^\circ 48' 35''$   
 $R = 1191.22'$   
 $T = 154.98'$   
 $L = 308.22'$   
 $E = 10.04'$   
 $e = 1.56\%$   
 P.C. STA. = 51+49.94  
 P.T. STA. = 54+58.16

EXISTING CURVE C4  
 P.I. STA. = 878+53.19  
 $\Delta = 58^\circ 33' 15''$  (LT)  
 $D = 5^\circ 04' 46''$   
 $R = 1127.99'$   
 $T = 632.41'$   
 $L = 1152.77'$   
 $E = 165.18'$   
 $e = 7\%$   
 P.C. STA. = 872+20.78  
 P.T. STA. = 883+73.55

PROP. CURVE TR116A  
 P.I. STA. = 66+50.52  
 $\Delta = 33^\circ 30' 40''$  (LT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 75.00'$   
 $L = 145.70'$   
 $E = 11.05'$   
 $e = N/C$   
 P.C. STA. = 65+75.52  
 P.T. STA. = 67+21.22

PROP. CURVE TR116B  
 P.I. STA. = 68+94.08  
 $\Delta = 17^\circ 57' 11''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 39.35'$   
 $L = 78.06'$   
 $E = 3.09'$   
 $e = N/C$   
 P.C. STA. = 68+54.73  
 P.T. STA. = 69+32.78

PROP. CURVE C8  
 P.I. STA. = 63+14.03  
 $\Delta = 20^\circ 33' 39''$  (RT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 45.18'$   
 $L = 89.39'$   
 $E = 4.06'$   
 $e = N/C$   
 P.C. STA. = 62+68.85  
 P.T. STA. = 63+58.24

PROP. CURVE C71  
 P.I. STA. = 218+88.66  
 $\Delta = 33^\circ 10' 11''$  (RT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 89.35'$   
 $L = 173.68'$   
 $E = 13.02'$   
 $e = N/C$   
 P.C. STA. = 217+99.31  
 P.T. STA. = 219+72.98

PROP. CURVE C72  
 P.I. STA. = 22+60.28  
 $\Delta = 63^\circ 57' 15''$  (LT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 187.29'$   
 $L = 334.86'$   
 $E = 53.67'$   
 $e = N/C$   
 P.C. STA. = 219+72.98  
 P.T. STA. = 223+07.85

PROPOSED CURVE C1  
 P.I. STA. = 551+75.52  
 $\Delta = 3^\circ 52' 10''$  (RT)  
 $D = 0^\circ 24' 01''$   
 $R = 14317.15'$   
 $T = 483.62'$   
 $L = 966.87'$   
 $E = 8.17'$   
 $e = 1.56\%$   
 P.C. STA. = 546+91.90  
 P.T. STA. = 556+58.77  
 SE ATTAINED STA. 547+00.00 TO STA. 549+50.00  
 SE REMOVED STA. 549+50.00 TO STA. 550+00.00

MATCH LINE STA. 905+00.00  
 PC STA. 906+73.50  
 PT STA. 911+43.50

PROPOSED CURVE C2  
 P.I. STA. = 909+09.01  
 $\Delta = 9^\circ 11' 48''$  LT.  
 $D = 1^\circ 57' 24''$   
 $R = 2928.11'$   
 $T = 235.51'$   
 $L = 470.00'$   
 $E = 9.46'$   
 $e = 4.89\%$   
 P.C. STA. = 906+73.50  
 P.T. STA. = 911+43.50  
 SE ATTAINED STA. 905+85.00 TO STA. 908+00.00  
 SE REMOVED STA. 911+00.00 TO STA. 913+15.00

POT STA. 72+51.95  
 STA. 913+90.65 (IL RTE 32/33) =  
 STA. 70+00.00 (STONERIDGE DR)

POT STA. 77+50.00  
 STA. 940+77.10 (IL RTE 32/33) =  
 STA. 75+00.00 (1075TH ST)

STA. 954+77.01 (IL RTE 32/33) =  
 STA. 85+00.00 (NAZARENE RD)

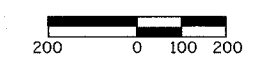
PT STA. 84+87.47 =  
 STA. 955+28.27 (IL RTE 32/33) =  
 STA. 84+87.47 (RELOCATED NAZARENE RD)

PROP. CURVE C16  
 P.I. STA. = 83+78.61  
 $\Delta = 24^\circ 35' 40''$  (RT)  
 $D = 11^\circ 07' 12''$   
 $R = 515.26'$   
 $T = 112.32'$   
 $L = 221.18'$   
 $E = 12.10'$   
 $e =$   
 P.C. STA. = 82+66.29  
 P.T. STA. = 84+87.47

STA. 958+10.00 (IL RTE 32/33) =  
 STA. 240+00.00 (WEBB ST)

POT STA. 80+00.00  
 POT STA. 79+50.00  
 POT STA. 79+50.00

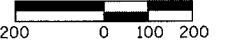
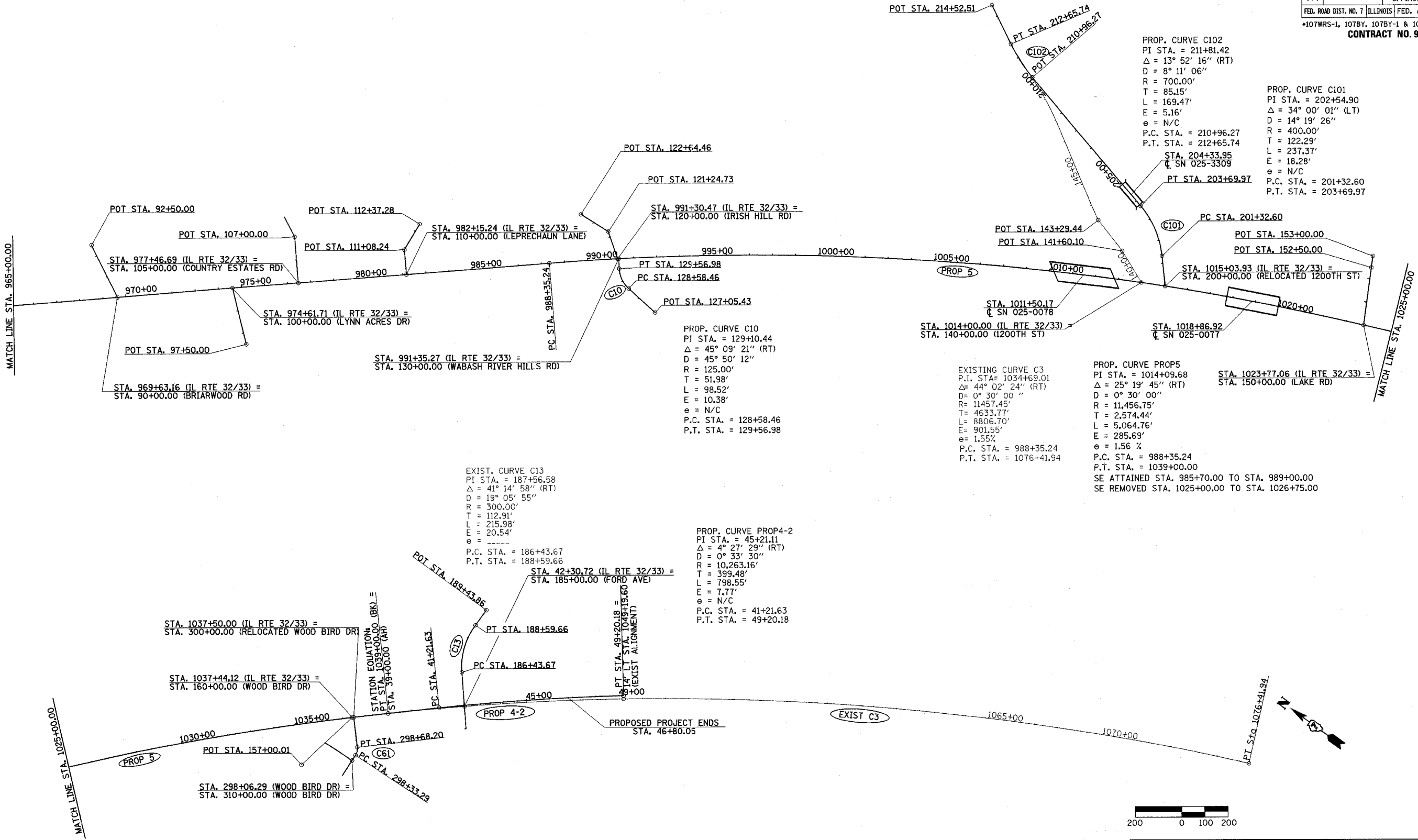
SHOWN FOR PROJECT BEGINS  
 REFERENCE ONLY STA. 942+50.00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 HORIZONTAL ALIGNMENT PLAN  
 SHEET 1 OF 2  
 SCALE: 1"=200'  
 DATE 4/22/02  
 DRAWN BY NJV  
 CHECKED BY BKB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
		*107WRS-1, 107BY, 107BY-1 & 107B-2		
CONTRACT NO. 94827				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT PLAN  
SHEET 2 OF 2

SCALE: 1"=200'  
DATE 4/22/02

DRAWN BY NJV  
CHECKED BY BKB

PROP. CURVE C61  
PI STA. = 298+51.49  
Δ = 40° 00' 00" (LT)  
D = 114° 35' 30"  
R = 50.00'  
T = 18.20'  
L = 34.91'  
E = 3.21'  
e = N/C  
P.C. STA. = 298+33.29  
P.T. STA. = 298+68.20

EXIST. CURVE C13  
PI STA. = 187+56.58  
Δ = 41° 14' 58" (RT)  
D = 19° 05' 55"  
R = 300.00'  
T = 112.91'  
L = 215.98'  
E = 20.54'  
e = ----  
P.C. STA. = 186+43.67  
P.T. STA. = 188+59.66

PROP. CURVE PROP4-2  
PI STA. = 45+21.11  
Δ = 4° 27' 29" (RT)  
D = 0° 33' 30"  
R = 10,263.16'  
T = 399.48'  
L = 798.55'  
E = 7.77'  
e = N/C  
P.C. STA. = 41+21.63  
P.T. STA. = 49+20.18

PROP. CURVE C10  
PI STA. = 129+10.44  
Δ = 45° 09' 21" (RT)  
D = 45° 50' 12"  
R = 125.00'  
T = 51.98'  
L = 98.52'  
E = 10.38'  
e = N/C  
P.C. STA. = 128+58.46  
P.T. STA. = 129+56.98

EXISTING CURVE C3  
P.I. STA. = 1034+69.01  
Δ = 44° 02' 24" (RT)  
D = 0° 30' 00"  
R = 11457.45'  
T = 4633.77'  
L = 8806.70'  
E = 901.55'  
e = 1.55%  
P.C. STA. = 988+35.24  
P.T. STA. = 1076+41.94

PROP. CURVE PROP5  
PI STA. = 1014+09.68  
Δ = 25° 19' 45" (RT)  
D = 0° 30' 00"  
R = 11,456.75'  
T = 2,574.44'  
L = 5,064.76'  
E = 285.69'  
e = 1.56%  
P.C. STA. = 988+35.24  
P.T. STA. = 1039+00.00  
SE ATTAINED STA. 985+70.00 TO STA. 989+00.00  
SE REMOVED STA. 1025+00.00 TO STA. 1026+75.00

PROP. CURVE C102  
PI STA. = 211+81.42  
Δ = 13° 52' 16" (RT)  
D = 8° 11' 06"  
R = 700.00'  
T = 85.15'  
L = 169.47'  
E = 5.16'  
e = N/C  
P.C. STA. = 210+96.27  
P.T. STA. = 212+65.74

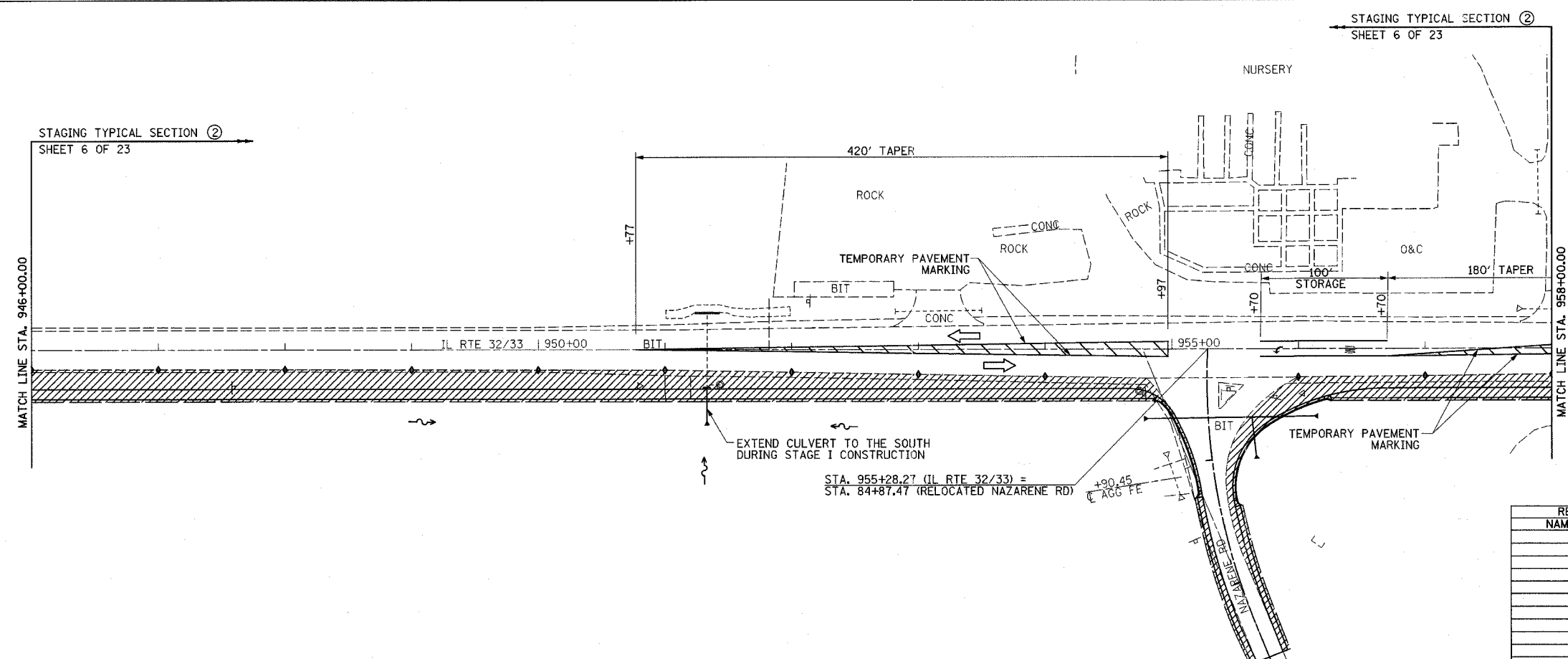
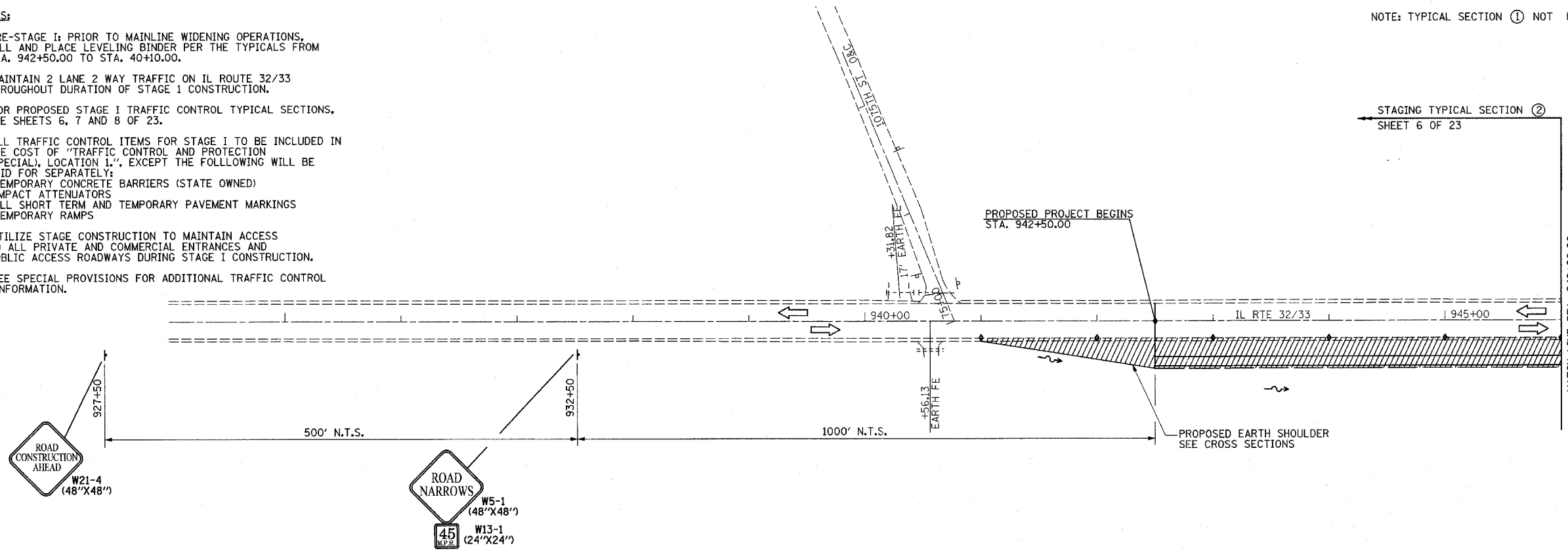
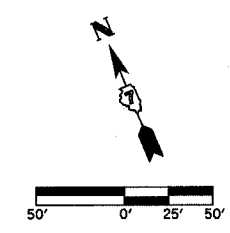
PROP. CURVE C101  
PI STA. = 202+54.90  
Δ = 34° 00' 01" (LT)  
D = 14° 19' 26"  
R = 400.00'  
T = 122.29'  
L = 237.37'  
E = 18.28'  
e = N/C  
P.C. STA. = 201+32.60  
P.T. STA. = 203+69.97

**NOTES:**

1. PRE-STAGE I: PRIOR TO MAINLINE WIDENING OPERATIONS, MILL AND PLACE LEVELING BINDER PER THE TYPICALS FROM STA. 942+50.00 TO STA. 40+10.00.
2. MAINTAIN 2 LANE 2 WAY TRAFFIC ON IL ROUTE 32/33 THROUGHOUT DURATION OF STAGE 1 CONSTRUCTION.
3. FOR PROPOSED STAGE I TRAFFIC CONTROL TYPICAL SECTIONS, SEE SHEETS 6, 7 AND 8 OF 23.
4. ALL TRAFFIC CONTROL ITEMS FOR STAGE I TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 1," EXCEPT THE FOLLOWING WILL BE PAID FOR SEPARATELY:  
 -TEMPORARY CONCRETE BARRIERS (STATE OWNED)  
 -IMPACT ATTENUATORS  
 -ALL SHORT TERM AND TEMPORARY PAVEMENT MARKINGS  
 -TEMPORARY RAMPS
5. UTILIZE STAGE CONSTRUCTION TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES AND PUBLIC ACCESS ROADWAYS DURING STAGE I CONSTRUCTION.
6. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL INFORMATION.

NOTE: TYPICAL SECTION ① NOT USED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	32
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		<b>CONTRACT NO. 94827</b>		

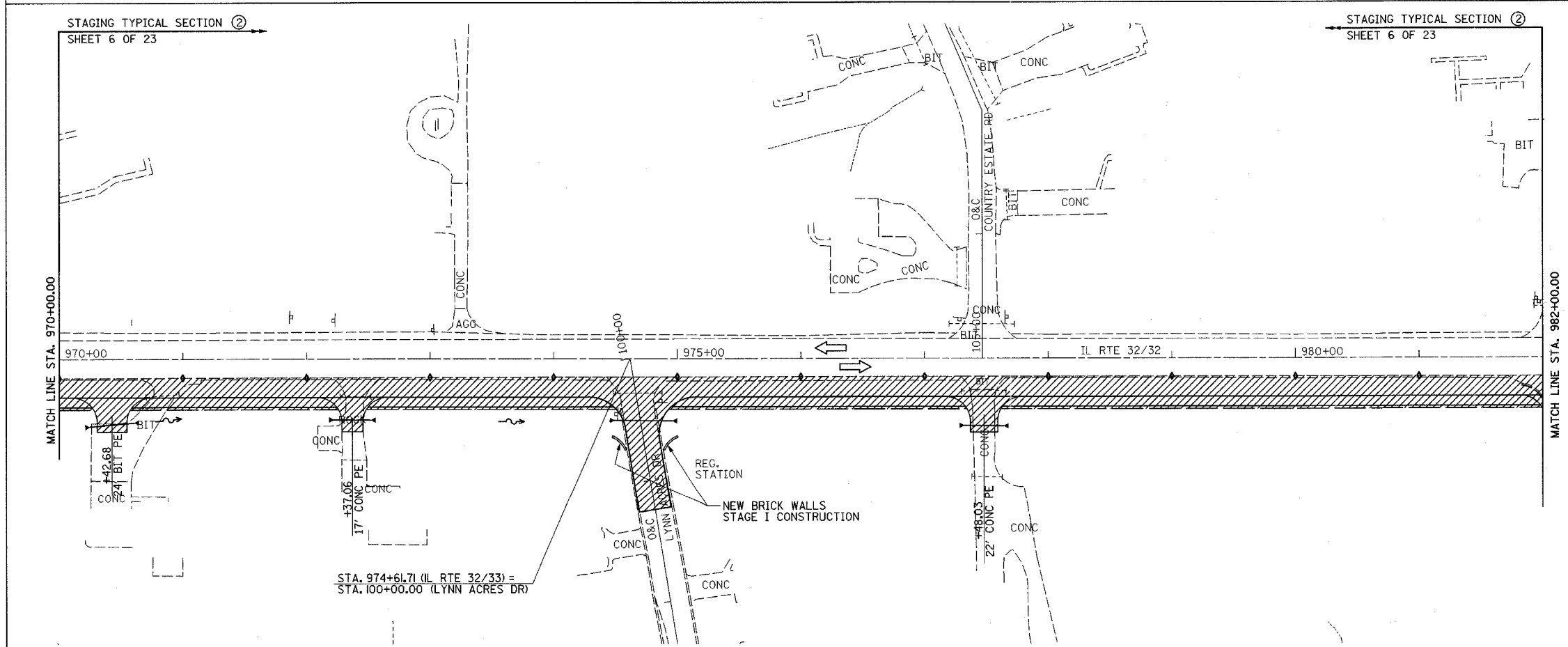
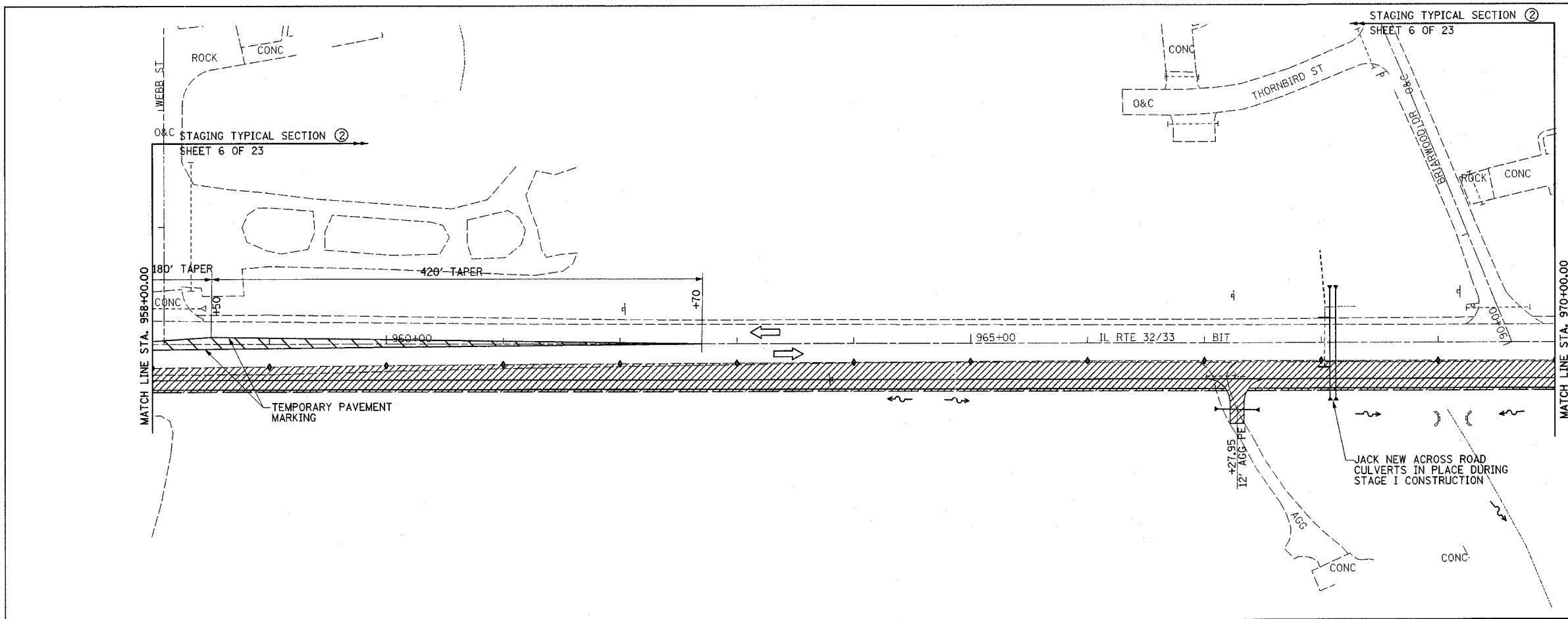
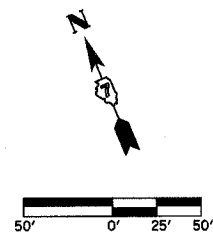


**LEGEND**  
 STAGE 1 CONSTRUCTION  
 BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE I CONSTRUCTION  
 SHEET 1 OF 23  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	33
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



- LEGEND**
- STAGE 1 CONSTRUCTION
  - BARRICADES, TYPE II

REVISIONS	
NAME	DATE

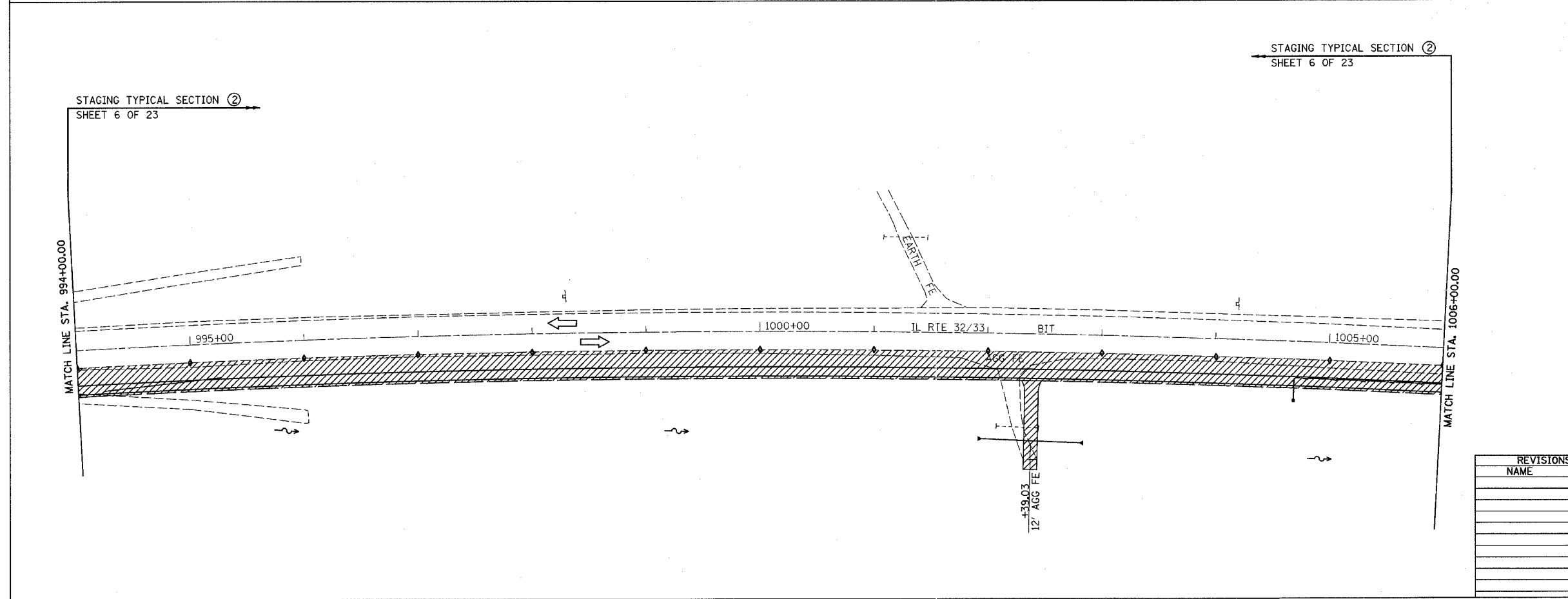
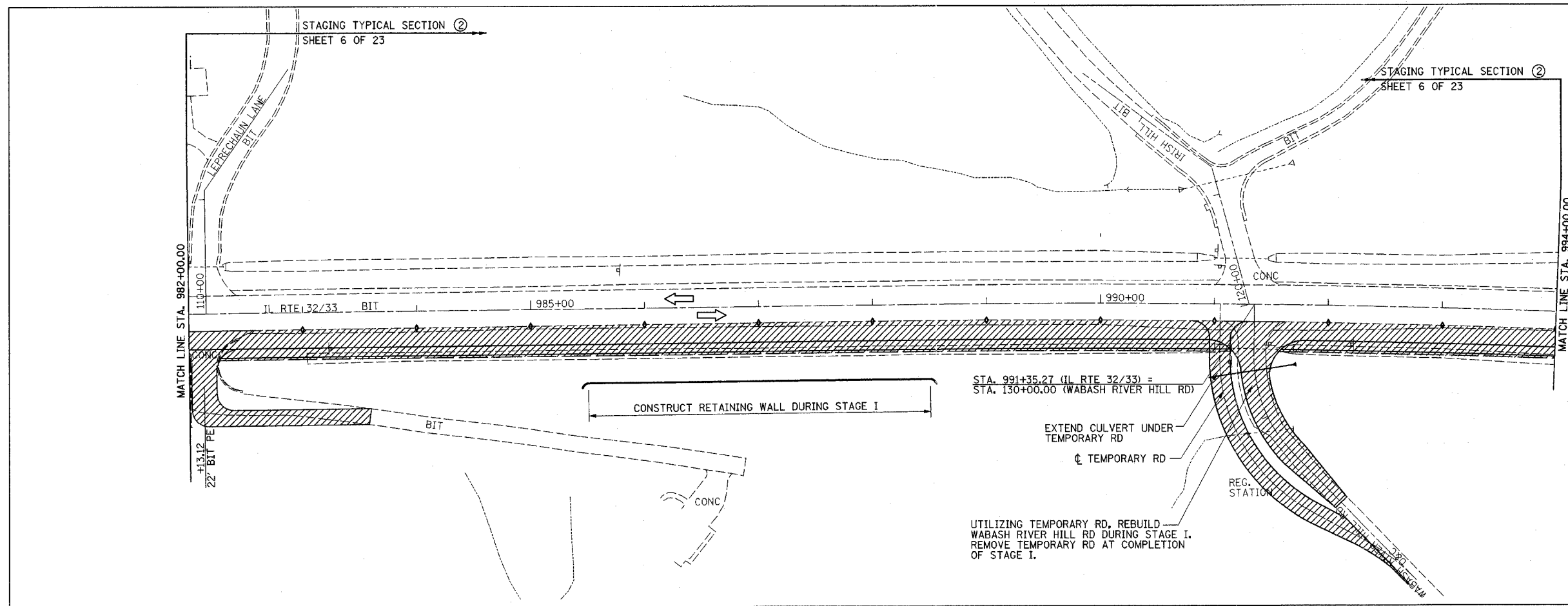
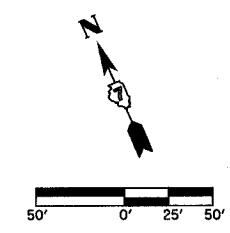
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 2 OF 23

DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	34
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



LEGEND

▨ STAGE I CONSTRUCTION

◆ BARRICADES, TYPE II

REVISIONS	
NAME	DATE

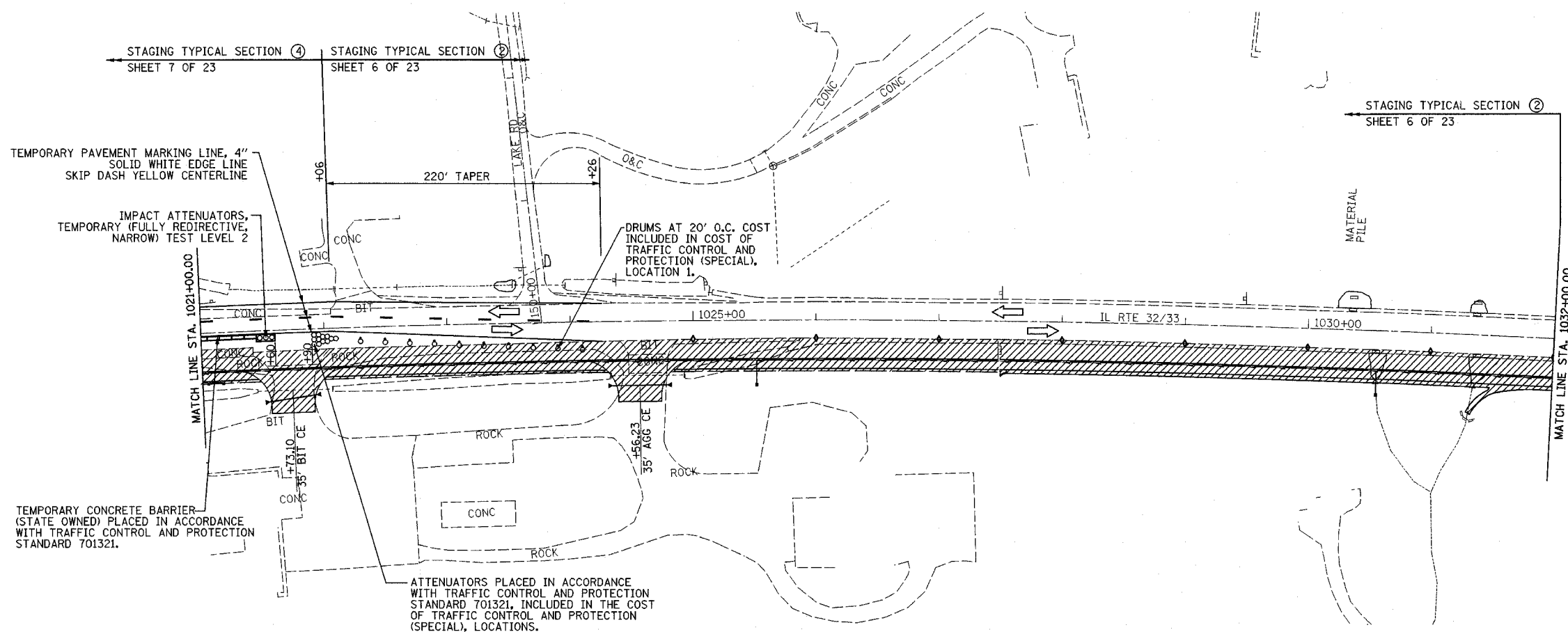
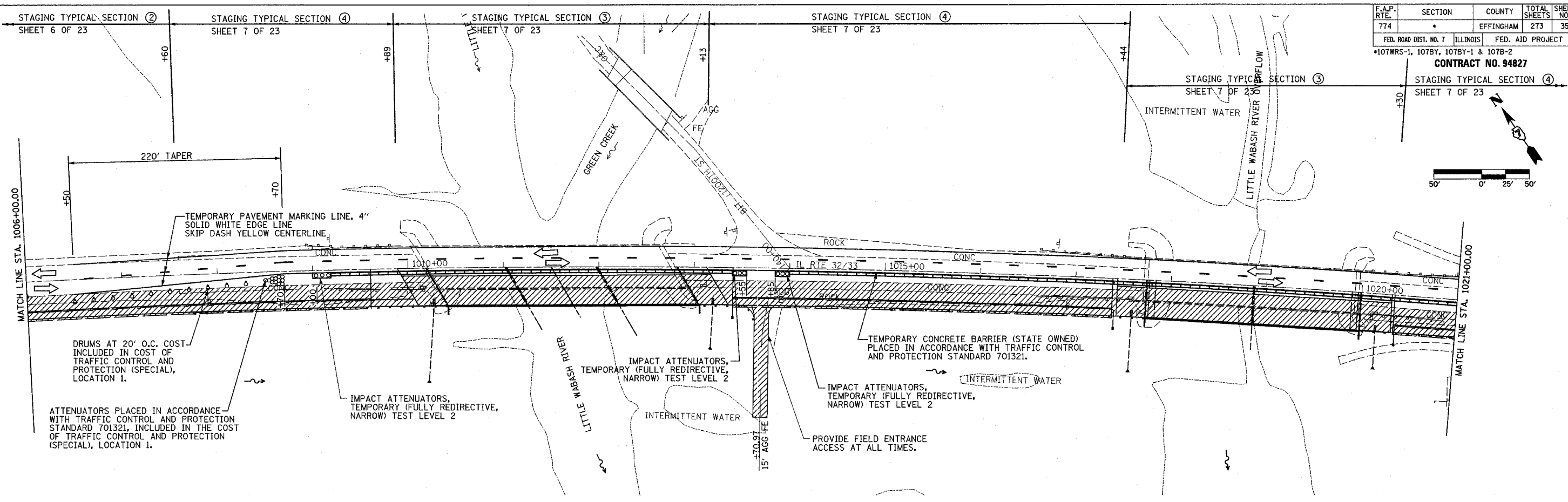
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 3 OF 23

DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	35
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



<b>TEMPORARY CONCRETE BARRIER (STATE OWNED)</b>	
STA. 1009+12.50 - STA. 1013+42.50	430'
STA. 1013+97.50 - STA. 1021+47.50	751'
TOTAL 1181'	
<b>IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 2</b>	
STA. 1009+00.00	1 EACH
STA. 1013+55.00	1 EACH
STA. 1013+85.00	1 EACH
STA. 1021+60.00	1 EACH
TOTAL 4 EACH	

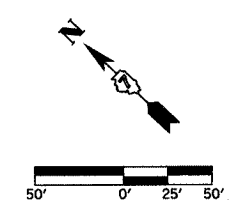
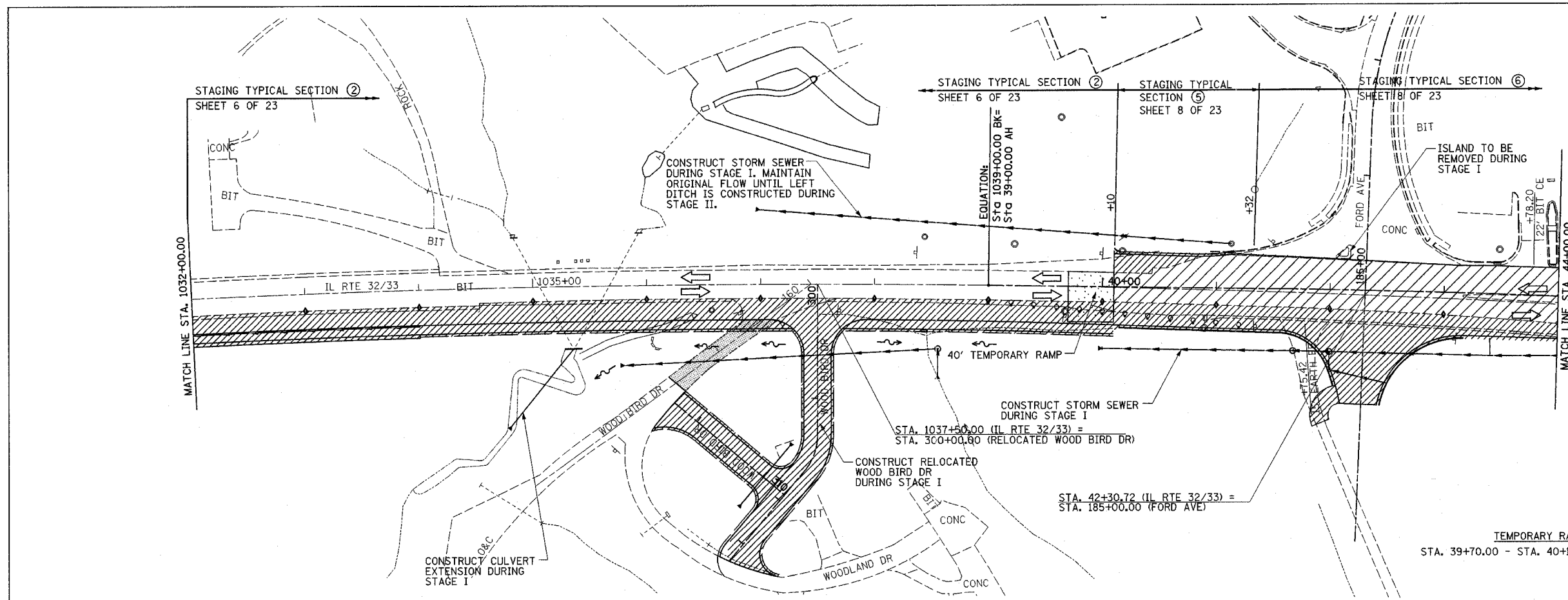
**LEGEND**  
 [Hatched Area] STAGE 1 CONSTRUCTION  
 [Diamond Symbol] BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
**TRAFFIC CONTROL  
 STAGE I CONSTRUCTION  
 SHEET 4 OF 23**  
  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

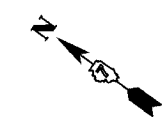
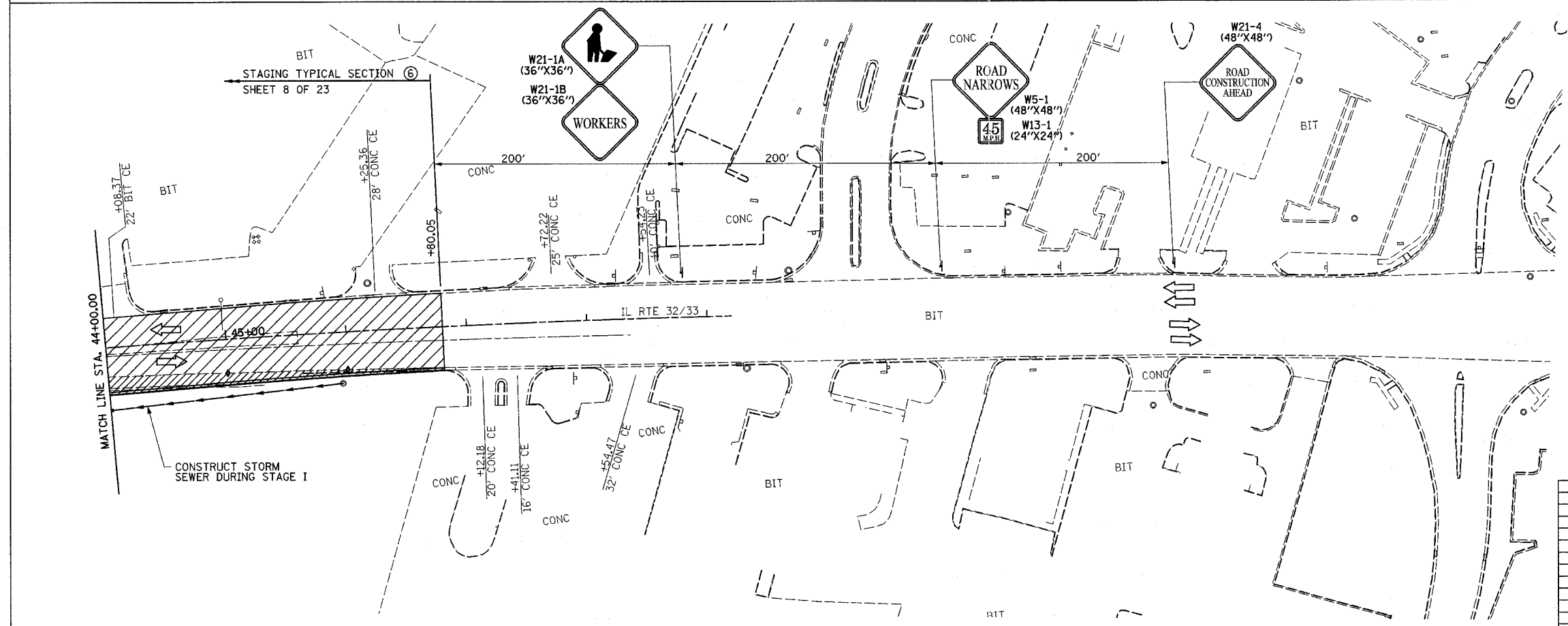
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	36
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



- SHEET NOTES:**
- FROM STA. 40+10 TO END OF PROJECT THE CONTRACTOR IS TO CONFINE CONSTRUCTION TO ONE SIDE OF THE ROAD AT A TIME
  - FROM STA. 40+10.00 TO STA. 46+80.05: THE FOLLOWING CONSTRUCTION TO BE PERFORMED UNDER TRAFFIC UTILIZING FLAGGERS. DURING STAGE I MILL EXISTING PAVEMENT, APPLY LEVELING BINDER AND SURFACE COURSE IN CONJUNCTION WITH WIDENING AND CURB AND GUTTER ON SOUTH SIDE OF IL RTE 32/33.
  - REMOVE WOODBIRD AND WOODLAND DRIVE PAVEMENT DURING STAGE I. SEE SHEET 73 FOR REMOVAL LIMITS.

TEMPORARY RAMP  
 STA. 39+70.00 - STA. 40+10.00 107 SQ YD



- LEGEND**
- STAGE I REMOVAL
  - STAGE I CONSTRUCTION
  - BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
 STAGE I CONSTRUCTION  
 SHEET 5 OF 23

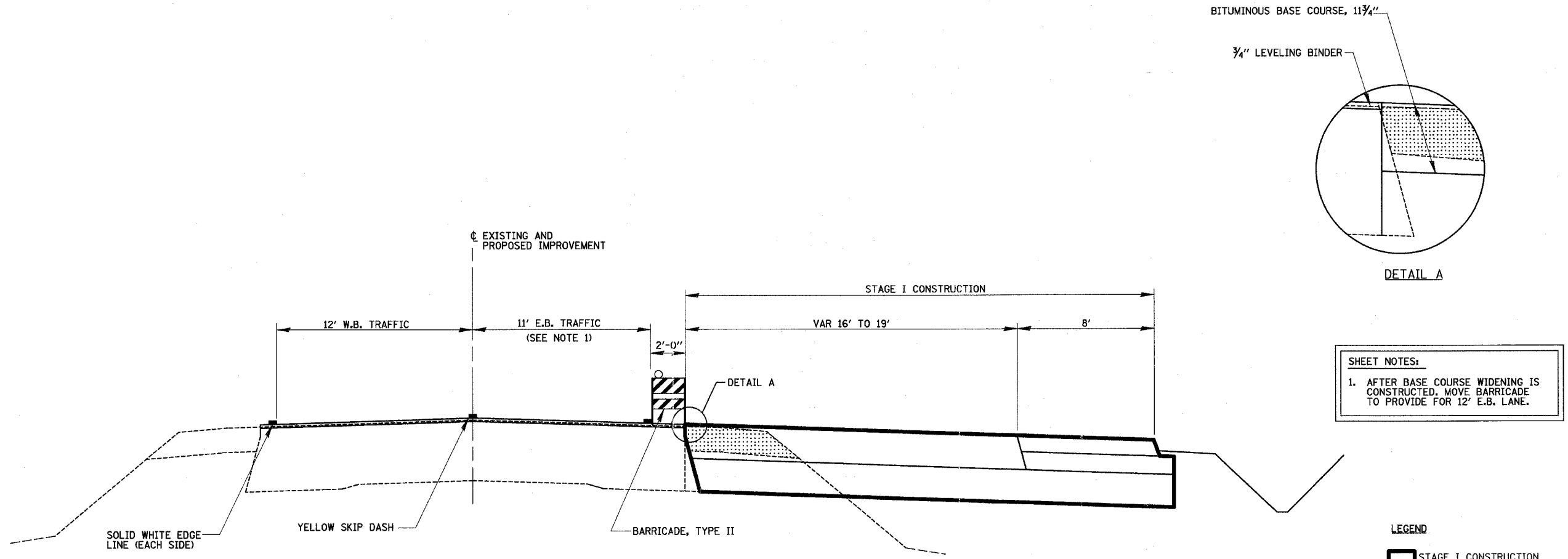
DATE 8/02

DRAWN BY ASB  
 CHECKED BY RDW



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	37
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107 WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		

TYPICAL SECTION ① NOT USED



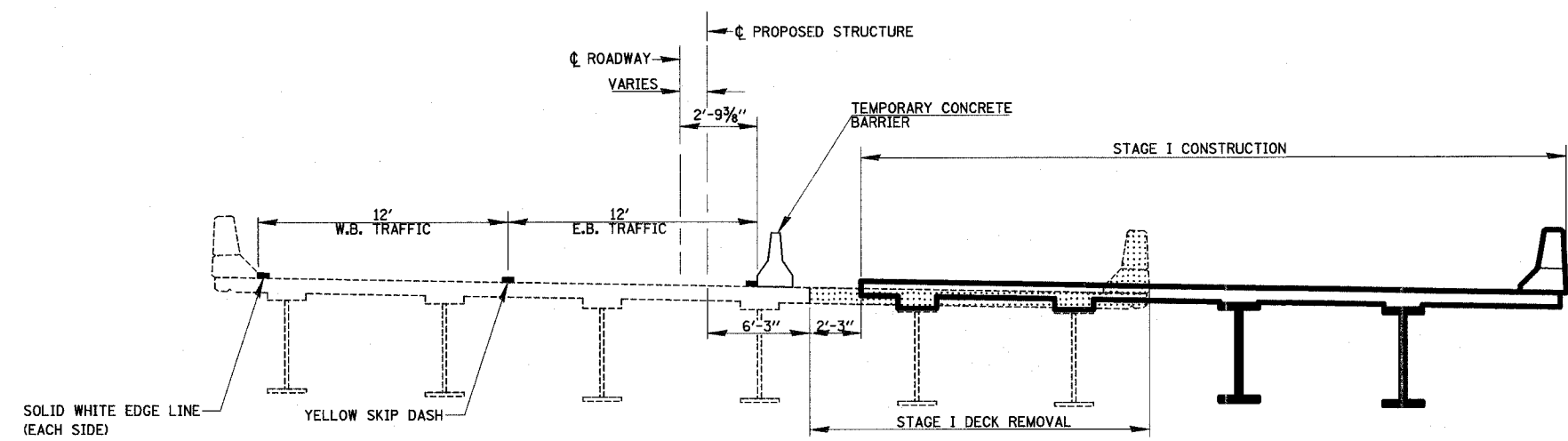
**SHEET NOTES:**  
 1. AFTER BASE COURSE WIDENING IS CONSTRUCTED, MOVE BARRICADE TO PROVIDE FOR 12' E.B. LANE.

**LEGEND**  
 [Hatched Box] STAGE I CONSTRUCTION  
 [Dotted Box] STAGE I REMOVAL

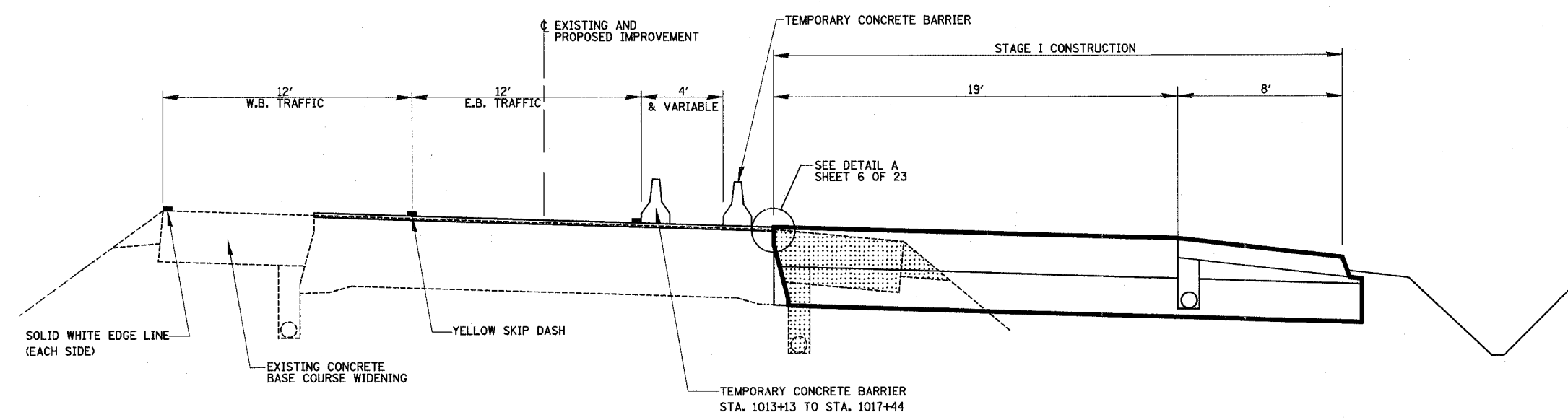
**PROPOSED TRAFFIC CONTROL TYPICAL SECTION ②**  
 STA. 942+50.00 TO STA. 1007+60  
 STA. 1022+06 TO STA. 40+10  
 STATION EQUATION: STA. 1039+00.00 BK = STA. 39+00.00 AH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE I  
 SHEET 6 OF 23  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION ③**  
 STA. 1009+89 TO STA. 1013+13  
 STA. 1017+44 TO STA. 1020+30



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION ④**  
 STA. 1007+60 TO STA. 1009+89  
 STA. 1013+13 TO STA. 1017+44  
 STA. 1020+30 TO STA. 1022+06

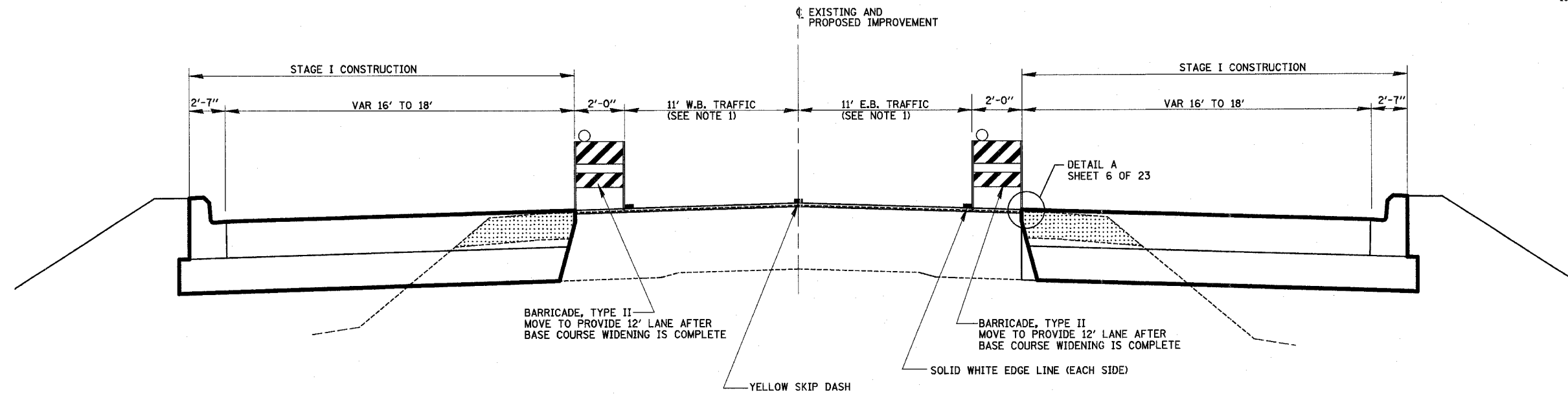
**LEGEND**  
 STAGE I CONSTRUCTION  
 STAGE I REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE I  
 SHEET 7 OF 23  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

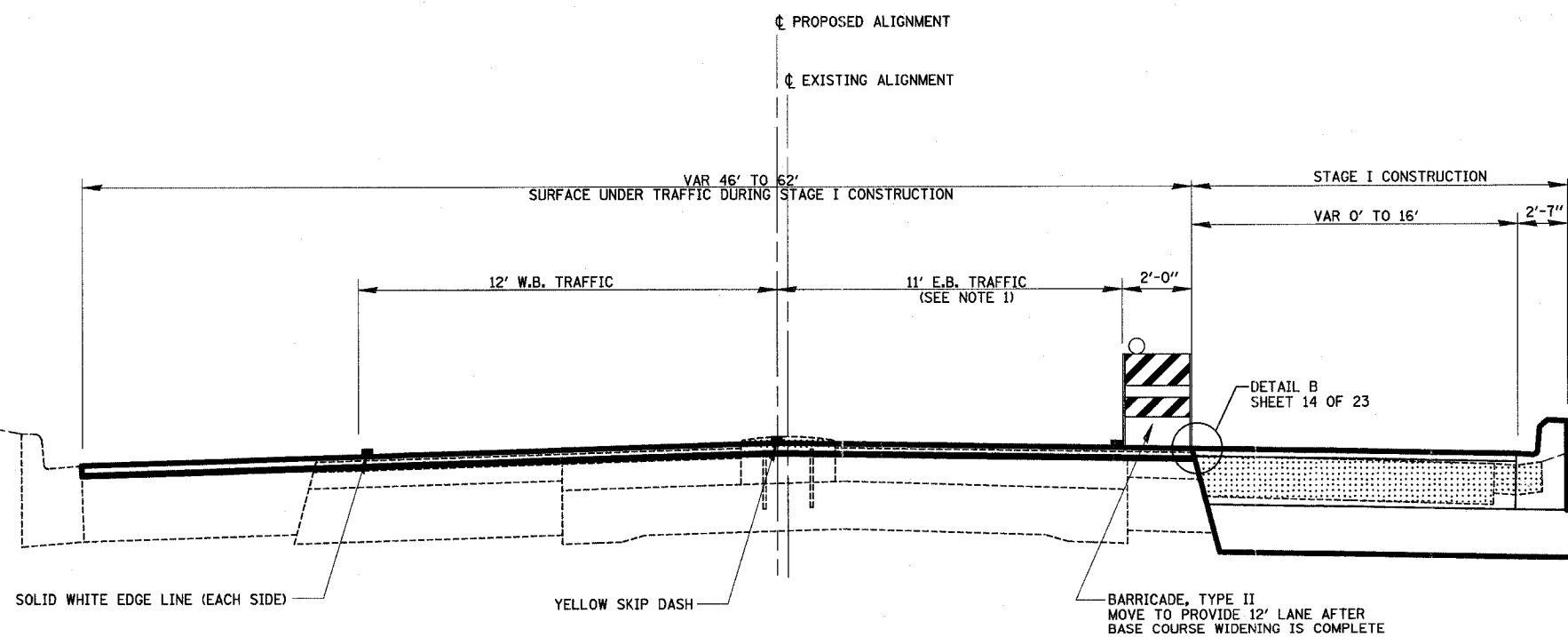
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	39
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107 WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION** (5)  
 STA. 40+10 TO STA. 41+32

- SHEET NOTES:**
1. STATION 40+10 TO STATION 46+80.05 MILL EXISTING PAVEMENT AND APPLY LEVELING BINDER TO EXISTING PAVEMENT.
  2. CONSTRUCT BASE COURSE WIDENING TO SAME ELEVATION AS LEVELING BINDER ON EXISTING PAVEMENT. CONTRACTOR IS TO CONFINE BASE COURSE WIDENING TO ONE SIDE OF ROADWAY AT A TIME.
  3. WHEN BASE COURSE WIDENING IS COMPLETE APPLY SURFACE COURSE TO EXISTING PAVEMENT AND WIDENING. SURFACE COURSE TO BE APPLIED UNDER TRAFFIC UTILIZING FLAGGERS.



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION** (6)  
 STA. 41+32 TO STA. 46+80.05

- LEGEND**
- ▬ STAGE I CONSTRUCTION
  - ▨ STAGE I REMOVAL

REVISIONS	
NAME	DATE

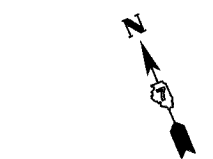
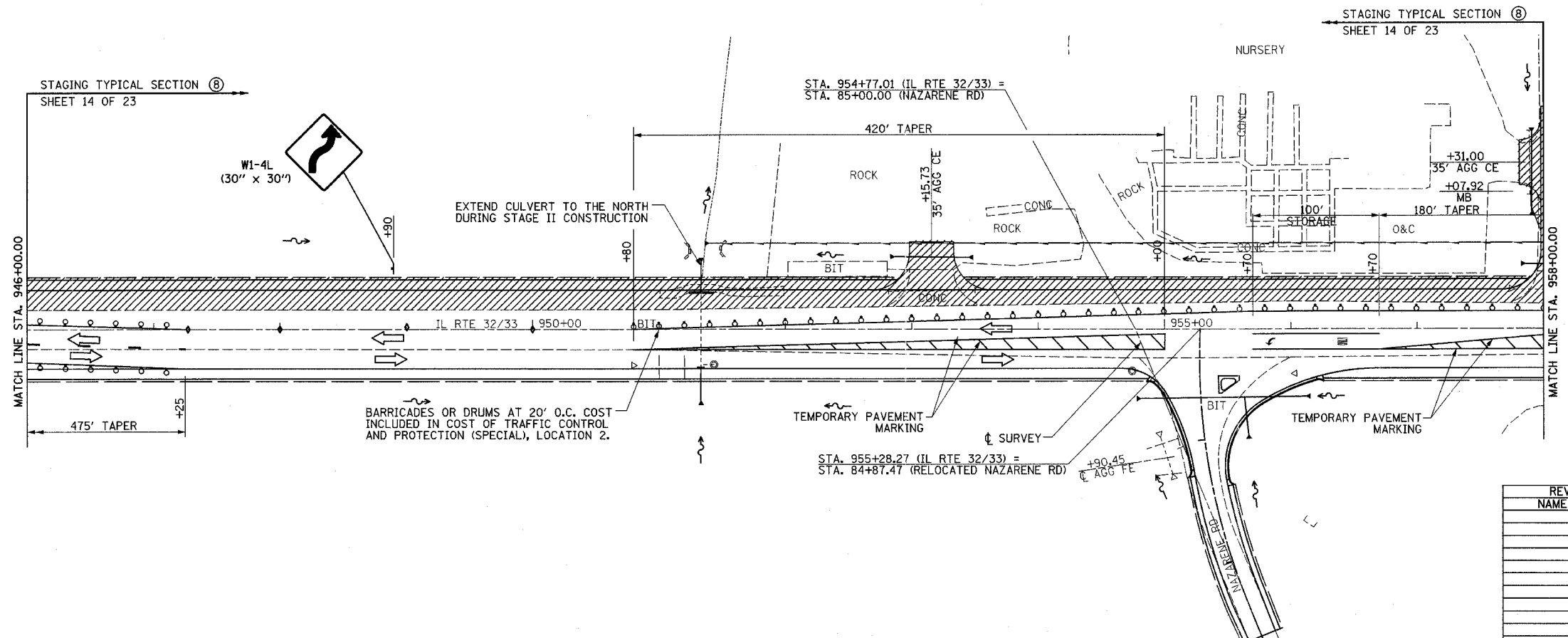
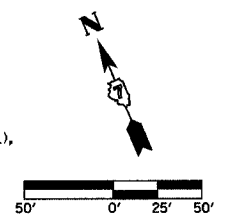
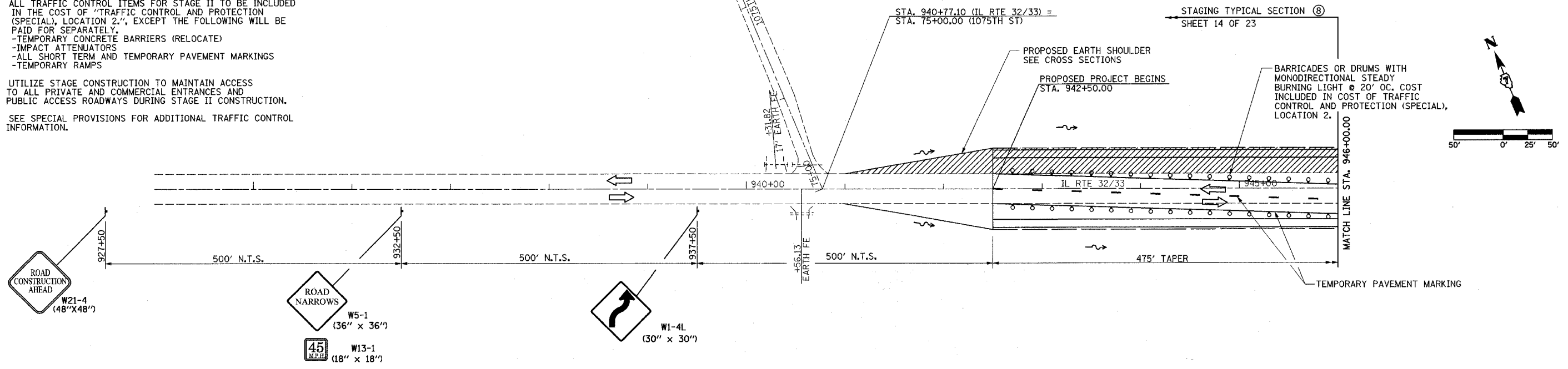
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE I  
 SHEET 8 OF 23

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		

**NOTES:**

1. MAINTAIN 2 LANE 2 WAY TRAFFIC ON IL ROUTE 32/33 THROUGHOUT DURATION OF STAGE II CONSTRUCTION.
2. FOR PROPOSED STAGE II TRAFFIC CONTROL TYPICAL SECTIONS, SEE SHEETS 14, 15 AND 16 OF 23.
3. ALL TRAFFIC CONTROL ITEMS FOR STAGE II TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 2.", EXCEPT THE FOLLOWING WILL BE PAID FOR SEPARATELY.  
 -TEMPORARY CONCRETE BARRIERS (RELOCATE)  
 -IMPACT ATTENUATORS  
 -ALL SHORT TERM AND TEMPORARY PAVEMENT MARKINGS  
 -TEMPORARY RAMPS
4. UTILIZE STAGE CONSTRUCTION TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES AND PUBLIC ACCESS ROADWAYS DURING STAGE II CONSTRUCTION.
5. SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL INFORMATION.



REVISIONS	
NAME	DATE

**LEGEND**  
 [Hatched Box] STAGE II CONSTRUCTION  
 [Diamond] BARRICADES, TYPE II

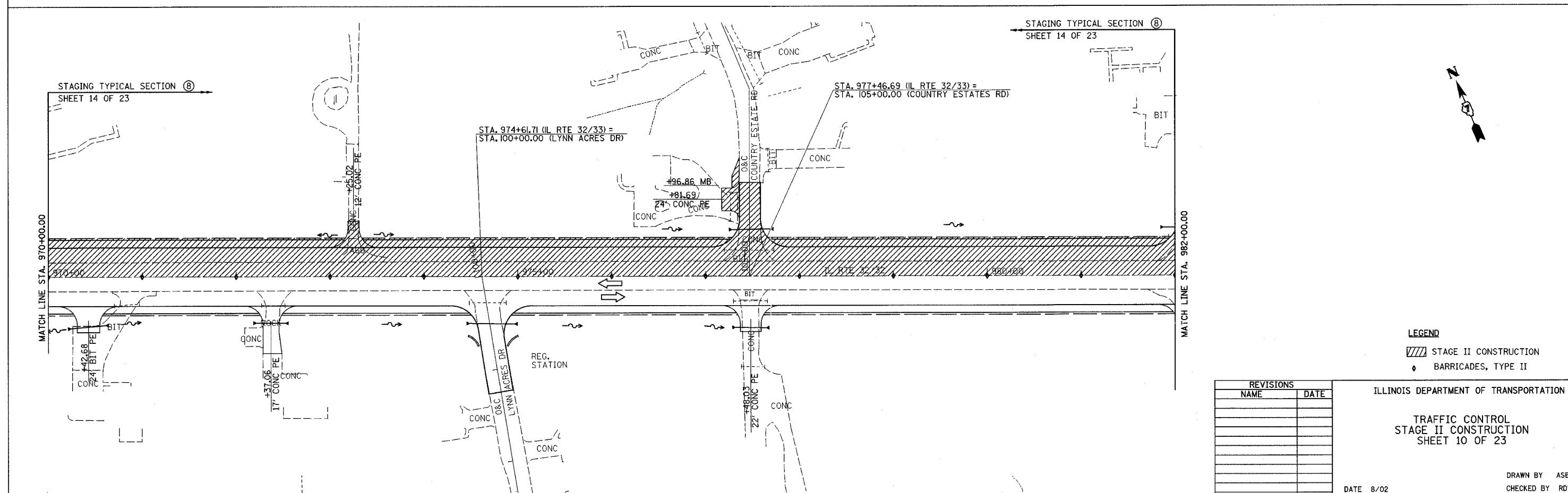
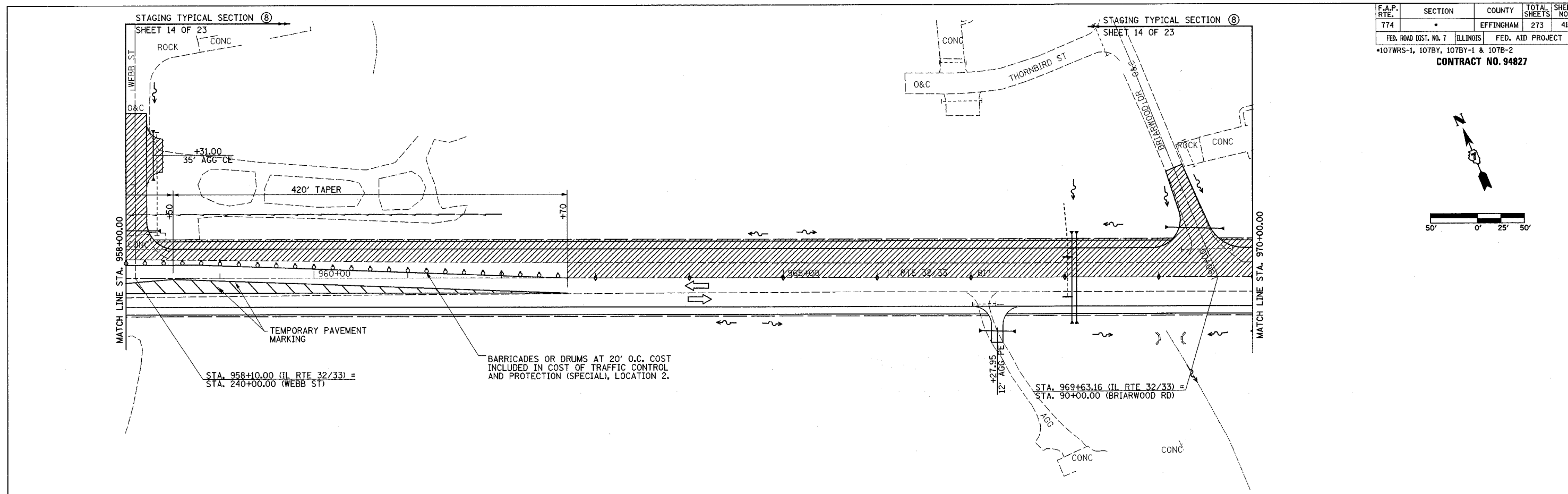
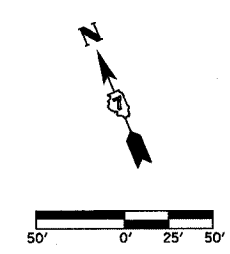
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
 STAGE II CONSTRUCTION  
 SHEET 9 OF 23

DATE 8/02

DRAWN BY ASB  
 CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	41
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		

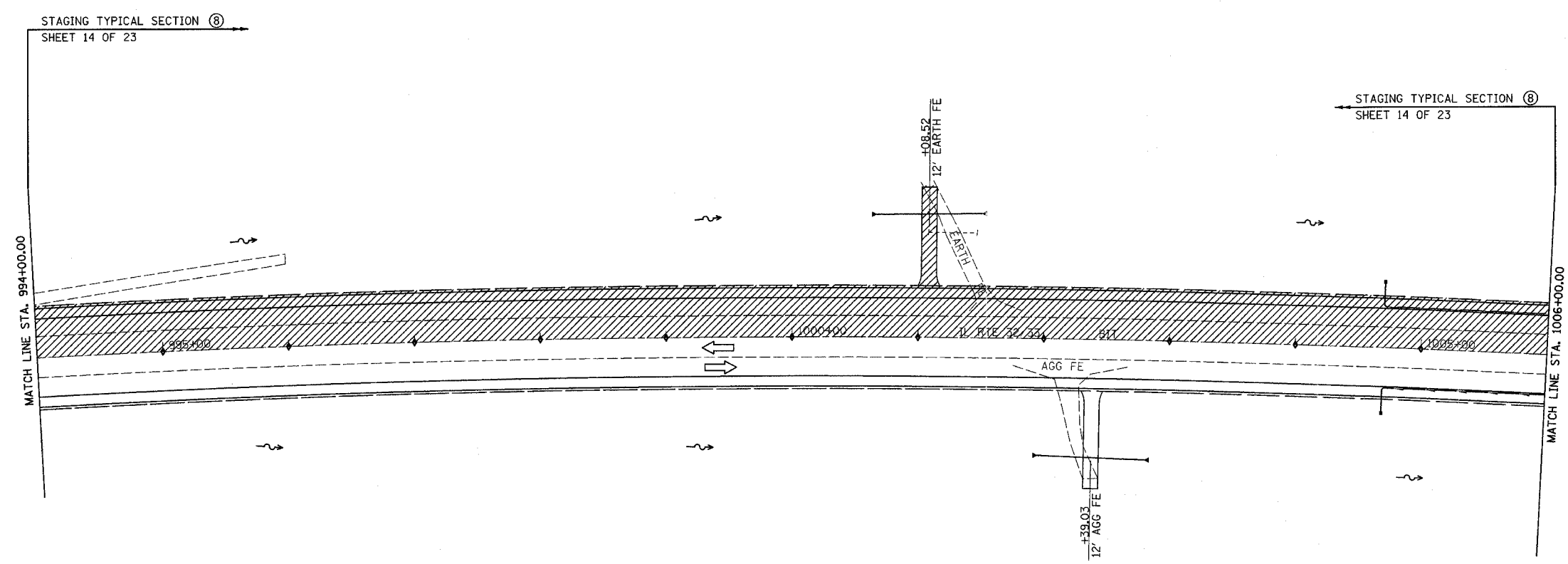
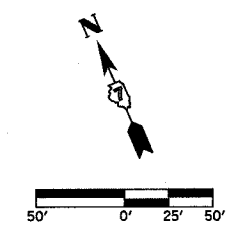
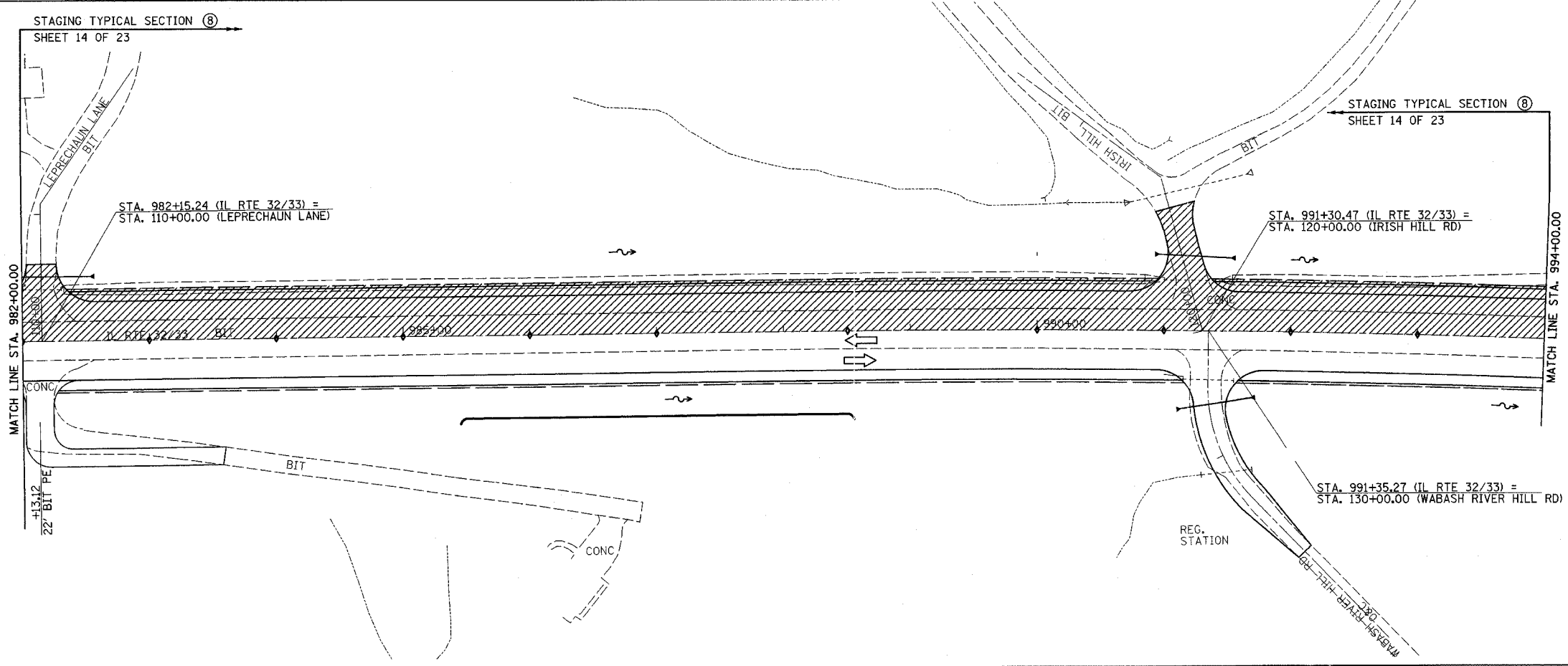


**LEGEND**  
 [Hatched Area] STAGE II CONSTRUCTION  
 [Diamond Symbol] BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE II CONSTRUCTION  
 SHEET 10 OF 23  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY ROW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	42
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



**LEGEND**  
 [Hatched Box] STAGE II CONSTRUCTION  
 [Diamond] BARRICADES, TYPE II

REVISIONS	
NAME	DATE

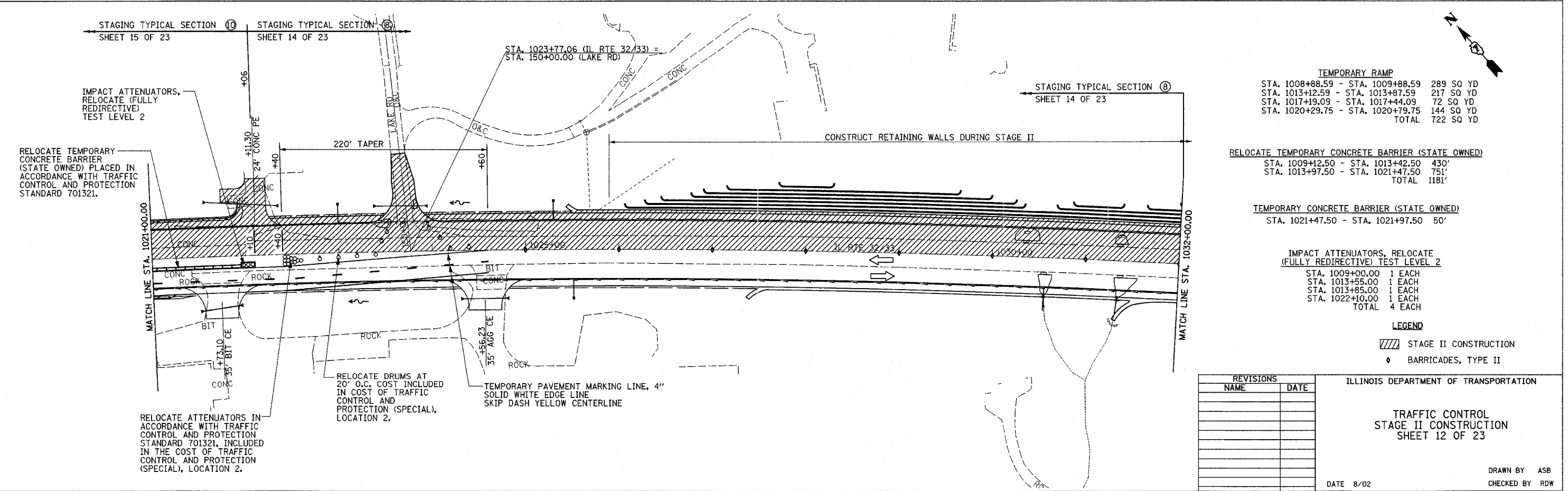
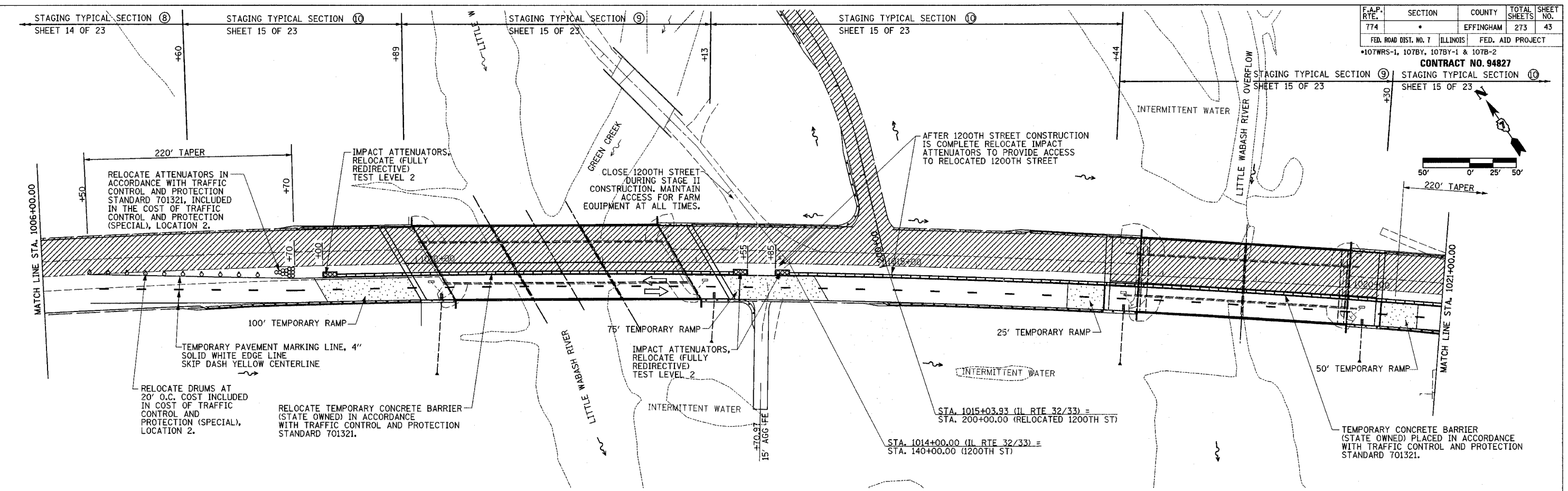
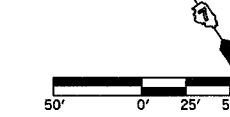
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE II CONSTRUCTION  
 SHEET 11 OF 23  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	43
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				

CONTRACT NO. 94827

STAGING TYPICAL SECTION 9 SHEET 15 OF 23

STAGING TYPICAL SECTION 10 SHEET 15 OF 23



TEMPORARY RAMP

STA. 1008+88.59 - STA. 1009+88.59	289 SQ YD
STA. 1013+12.59 - STA. 1013+87.59	217 SQ YD
STA. 1017+19.09 - STA. 1017+44.09	72 SQ YD
STA. 1020+29.75 - STA. 1020+79.75	144 SQ YD
<b>TOTAL</b>	<b>722 SQ YD</b>

RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)

STA. 1009+12.50 - STA. 1013+42.50	430'
STA. 1013+97.50 - STA. 1021+47.50	751'
<b>TOTAL</b>	<b>1181'</b>

TEMPORARY CONCRETE BARRIER (STATE OWNED)

STA. 1021+47.50 - STA. 1021+97.50	50'
-----------------------------------	-----

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE) TEST LEVEL 2

STA. 1009+00.00	1 EACH
STA. 1013+55.00	1 EACH
STA. 1013+85.00	1 EACH
STA. 1022+10.00	1 EACH
<b>TOTAL</b>	<b>4 EACH</b>

LEGEND

▨ STAGE II CONSTRUCTION

◆ BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 12 OF 23

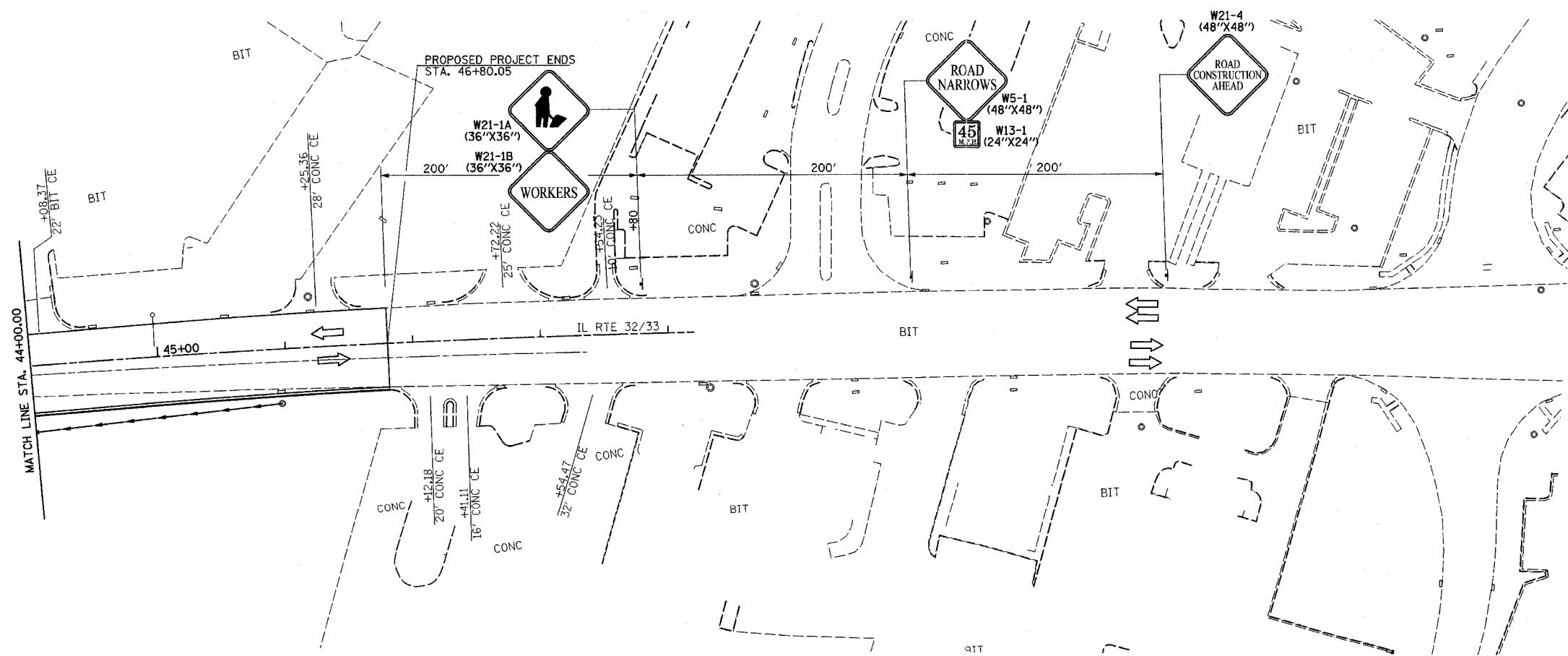
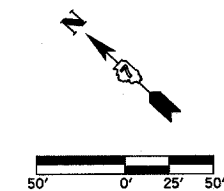
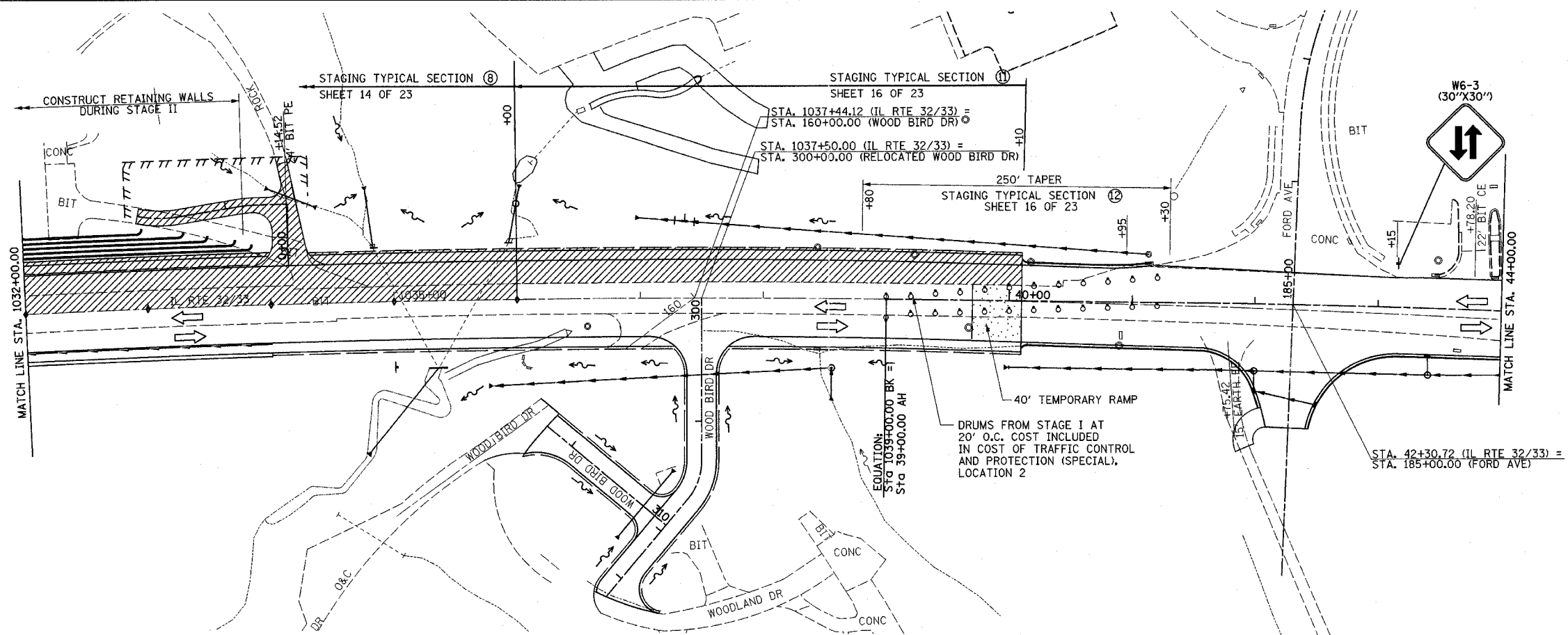
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

\*107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827



LEGEND

STAGE II CONSTRUCTION

BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 13 OF 23

DATE 8/02

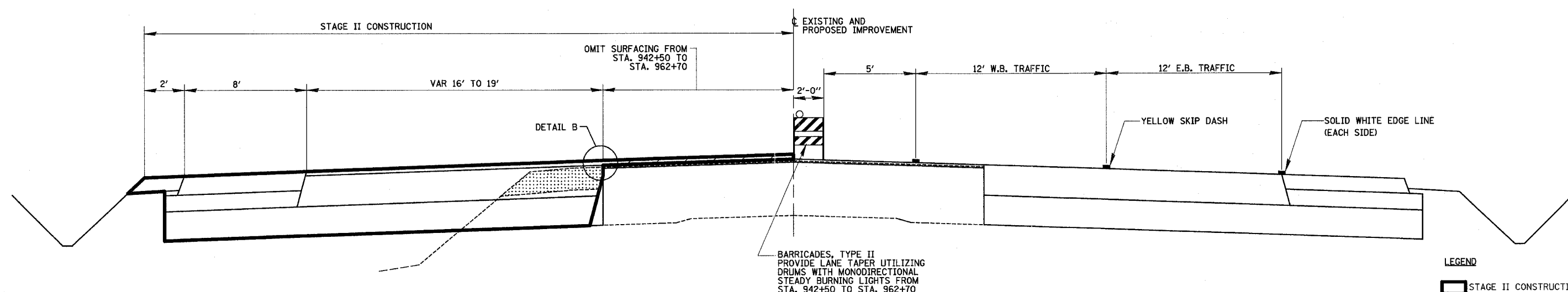
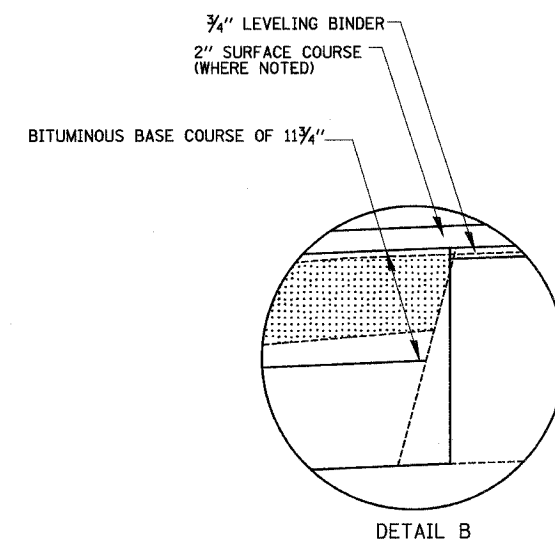
DRAWN BY ASB  
CHECKED BY RDW



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	45

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107 WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

TYPICAL SECTION (7) NOT USED



PROPOSED TRAFFIC CONTROL TYPICAL SECTION (8)  
 STA. 942+50.00 TO STA. 1007+60  
 STA. 1022+06 TO STA. 1036+00

LEGEND

▬ STAGE II CONSTRUCTION

▨ STAGE II REMOVAL

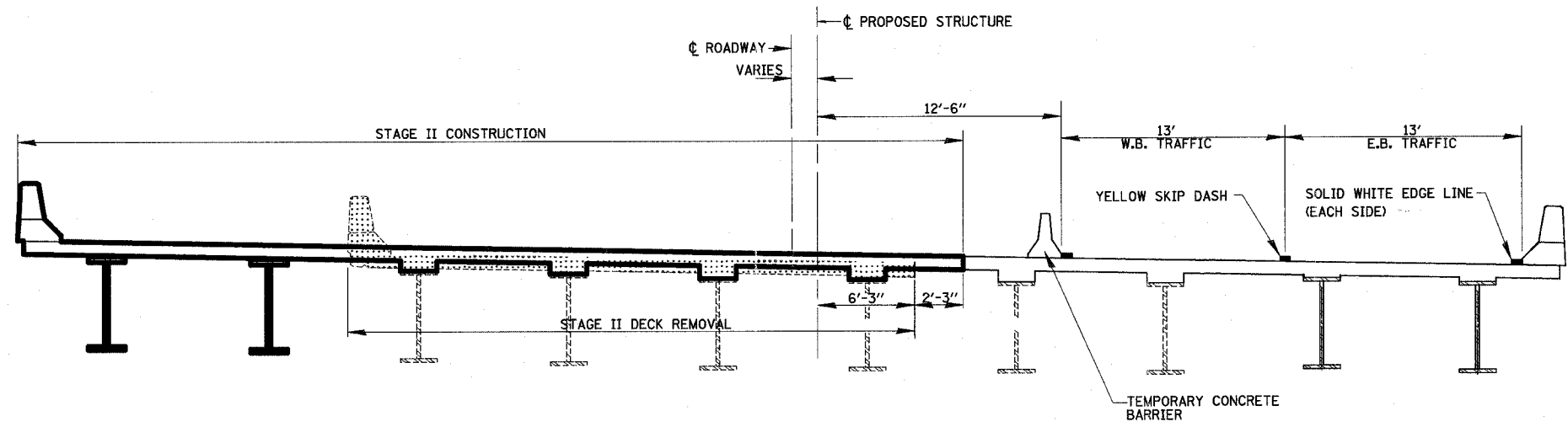
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

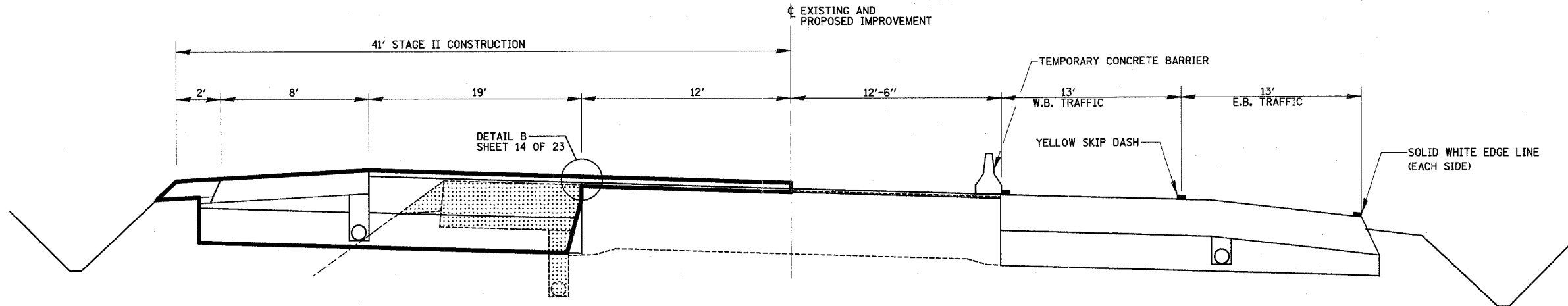
TYPICAL SECTIONS  
 STAGE II  
 SHEET 14 OF 23

DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION 9**  
 STA. 1009+89 TO STA. 1013+13  
 STA 1017+44 TO STA. 1020+30

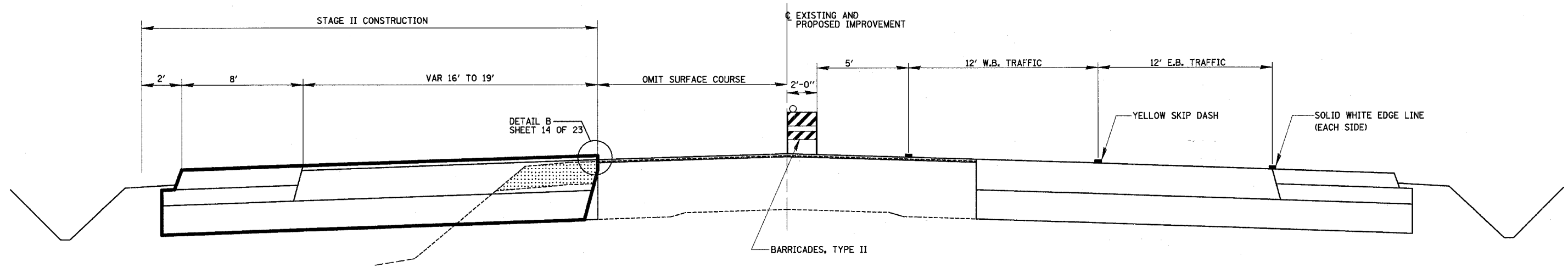


**PROPOSED TRAFFIC CONTROL TYPICAL SECTION 10**  
 STA. 1007+60 TO STA. 1009+89  
 STA 1013+13 TO STA. 1017+44  
 STA. 1020+30 TO STA. 1022+06

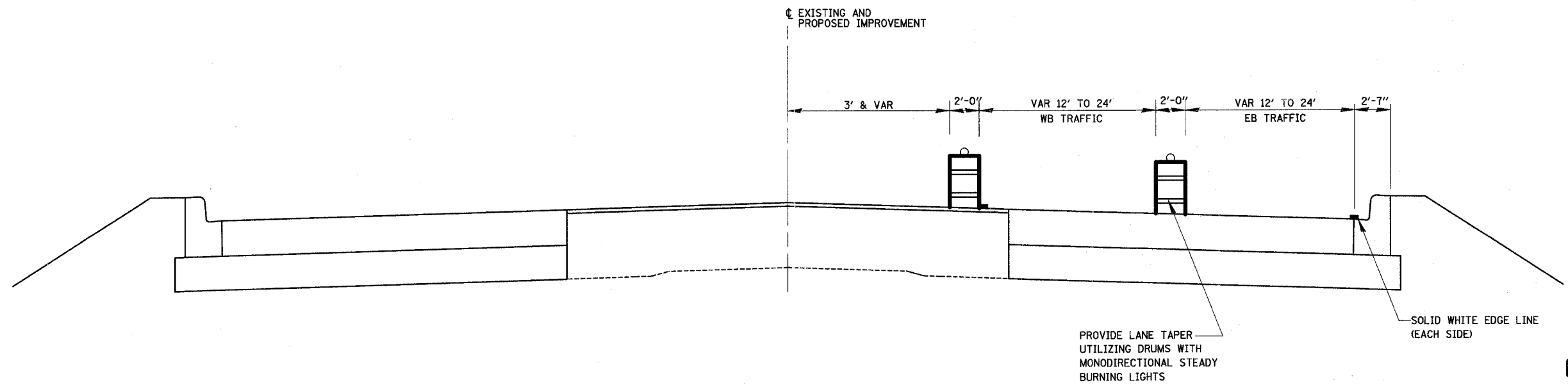
**LEGEND**  
 STAGE II CONSTRUCTION  
 STAGE II REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE II  
 SHEET 15 OF 23  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION** (11)  
 STA. 1036+00 TO STA. 40+10  
 STATION EQUATION: STA. 1039+00 BK = STA. 39+00 AH



**PROPOSED TRAFFIC CONTROL TYPICAL SECTION** (12)  
 STA. 40+10 TO STA. 41+32

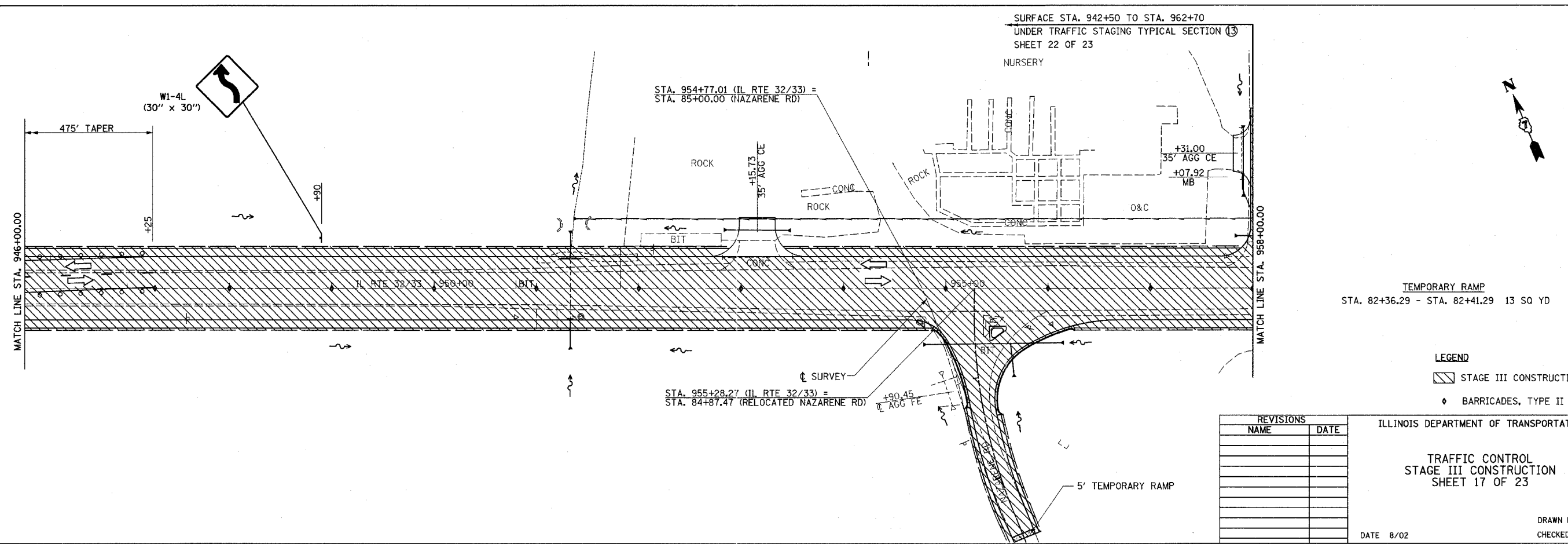
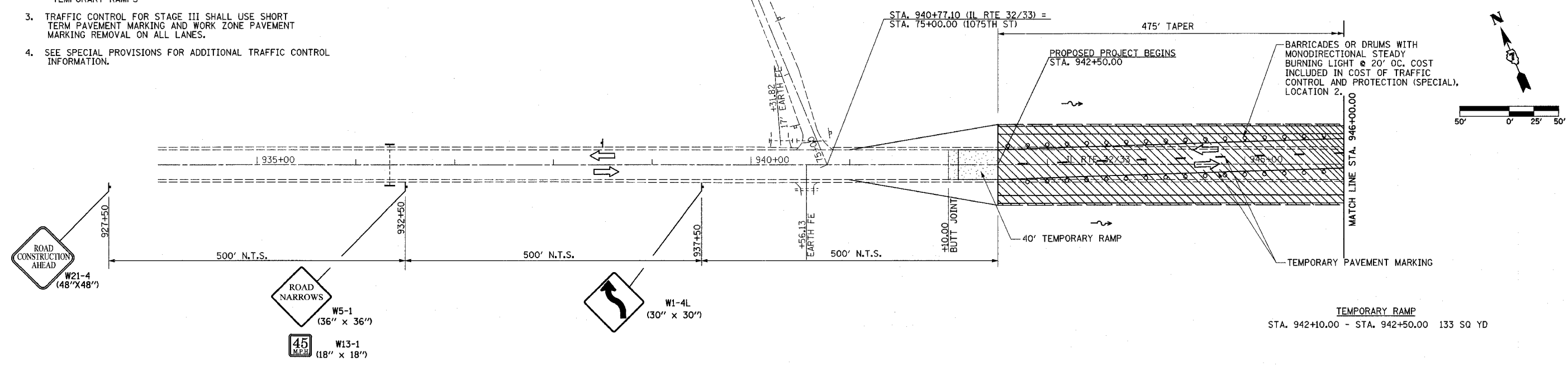
**LEGEND**  
 STAGE II CONSTRUCTION  
 STAGE II REMOVAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE II  
 SHEET 16 OF 23  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	48
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				

- NOTES:**
- FOR PROPOSED STAGE III TRAFFIC CONTROL TYPICAL SECTIONS, SEE CONSTRUCTION SHEETS 22 AND 23 OF 23.
  - TRAFFIC CONTROL FOR STAGE III TO BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION 3," EXCEPT THE FOLLOWING:  
-ALL SHORT TERM AND TEMPORARY PAVEMENT MARKINGS  
-TEMPORARY RAMPS
  - TRAFFIC CONTROL FOR STAGE III SHALL USE SHORT TERM PAVEMENT MARKING AND WORK ZONE PAVEMENT MARKING REMOVAL ON ALL LANES.
  - SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL INFORMATION.



REVISIONS	
NAME	DATE

**LEGEND**

▨ STAGE III CONSTRUCTION

◊ BARRICADES, TYPE II

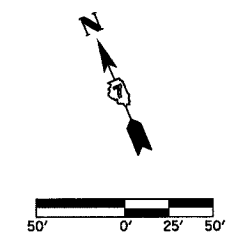
ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL**  
STAGE III CONSTRUCTION  
SHEET 17 OF 23

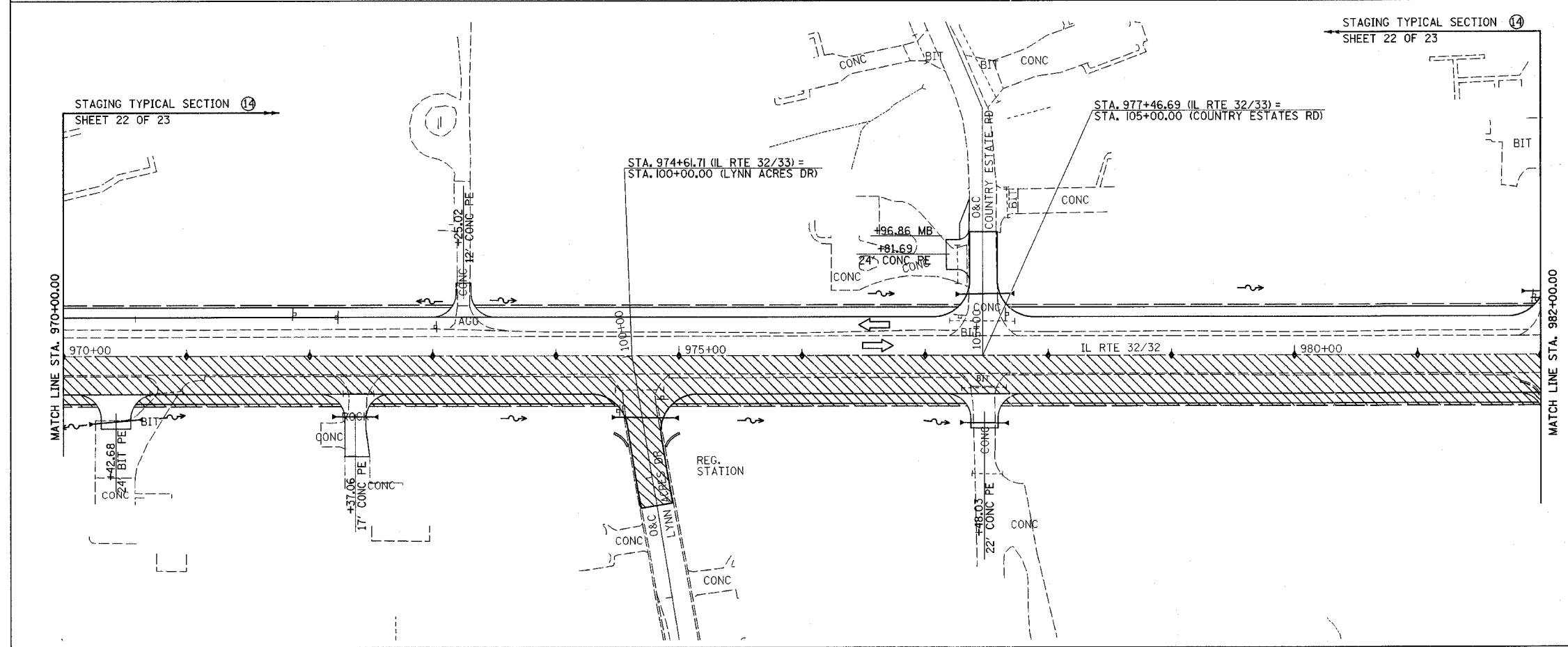
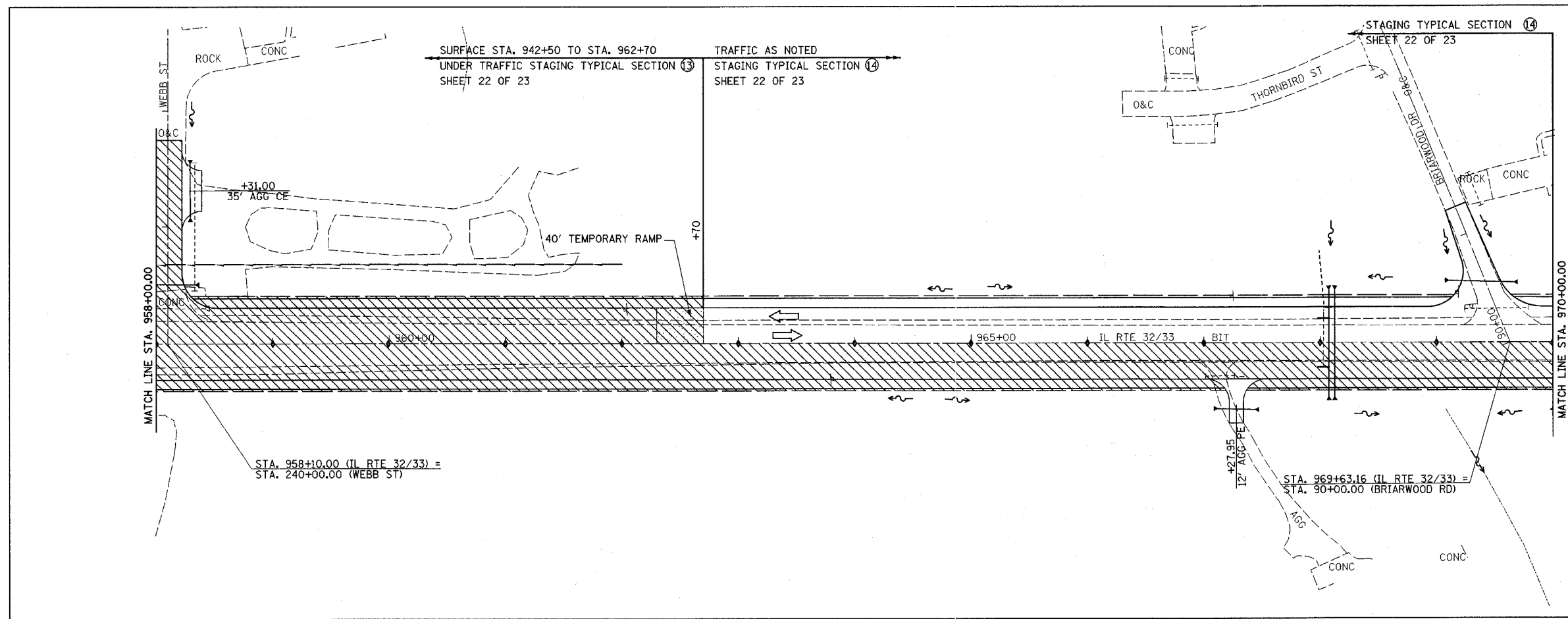
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	49
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



TEMPORARY RAMP  
STA. 962+30.00 - STA. 962+70.00 138 SQ YD



REVISIONS	
NAME	DATE

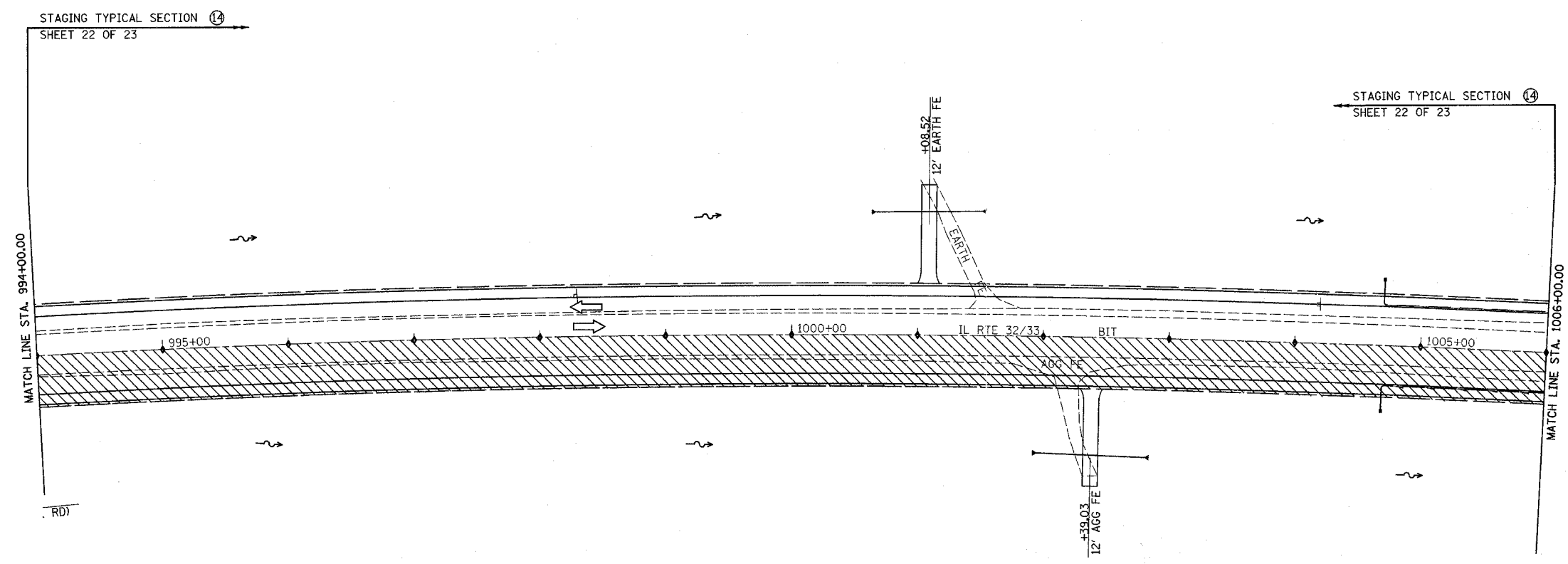
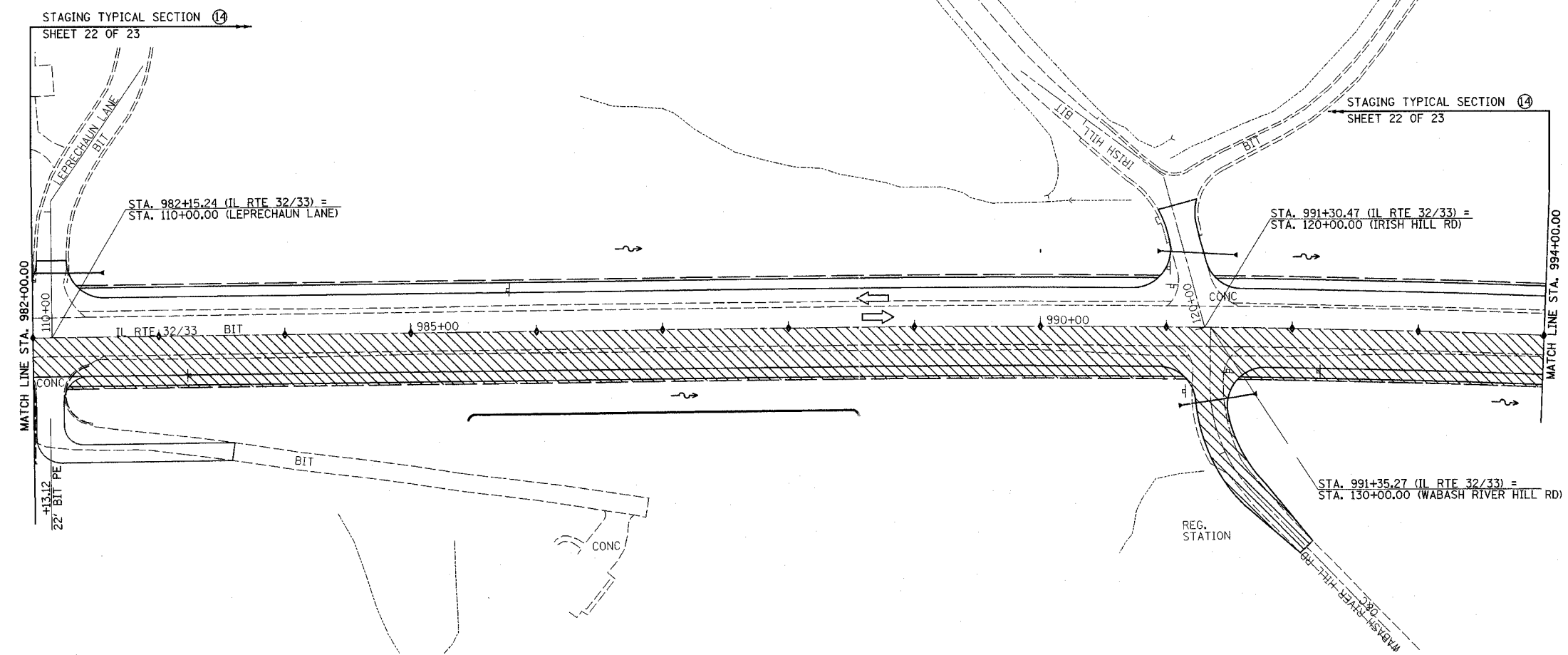
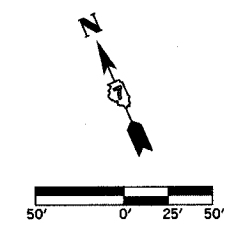
LEGEND  
 STAGE III CONSTRUCTION  
 BARRICADES, TYPE II

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
 STAGE III CONSTRUCTION  
 SHEET 18 OF 23

DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	50
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



- LEGEND**
- STAGE III CONSTRUCTION
  - BARRICADE, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 19 OF 23**

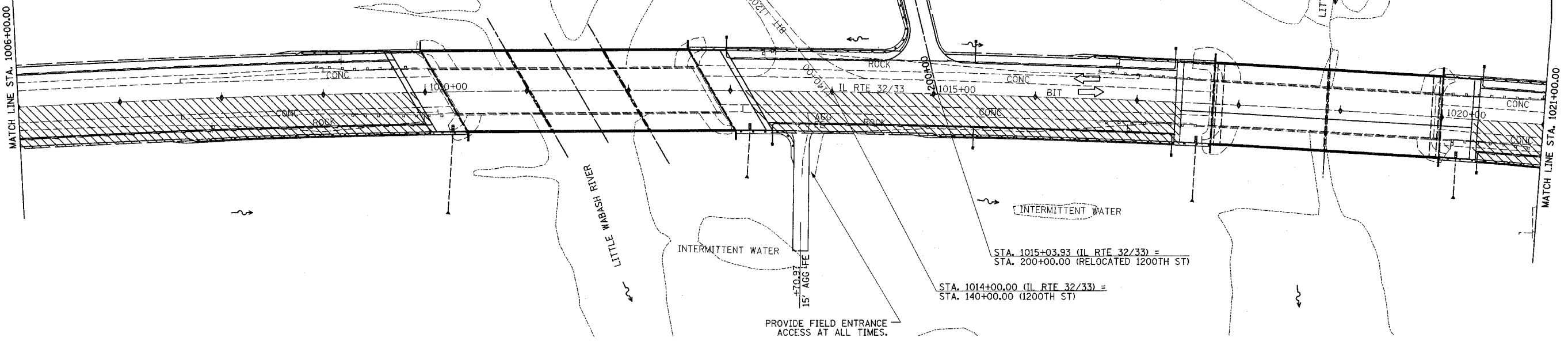
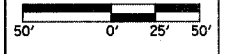
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	51
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		

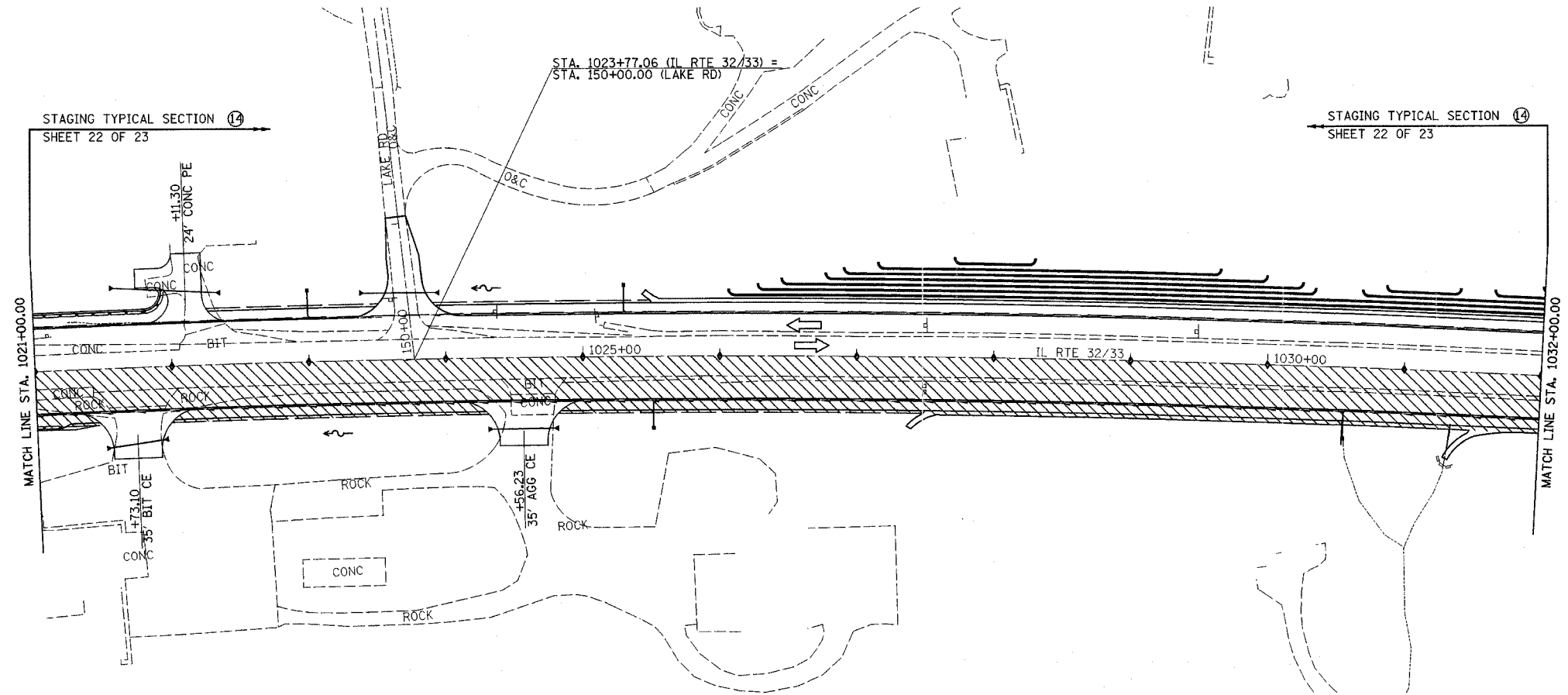
STAGING TYPICAL SECTION 14  
SHEET 22 OF 23  
(OMIT BRIDGES)

STAGING TYPICAL SECTION 14  
SHEET 22 OF 23  
(OMIT BRIDGES)



STAGING TYPICAL SECTION 14  
SHEET 22 OF 23

STAGING TYPICAL SECTION 14  
SHEET 22 OF 23



- LEGEND**
- ▨ STAGE III CONSTRUCTION
  - ◆ BARRICADES, TYPE II

REVISIONS	
NAME	DATE

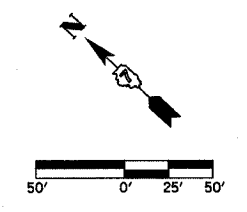
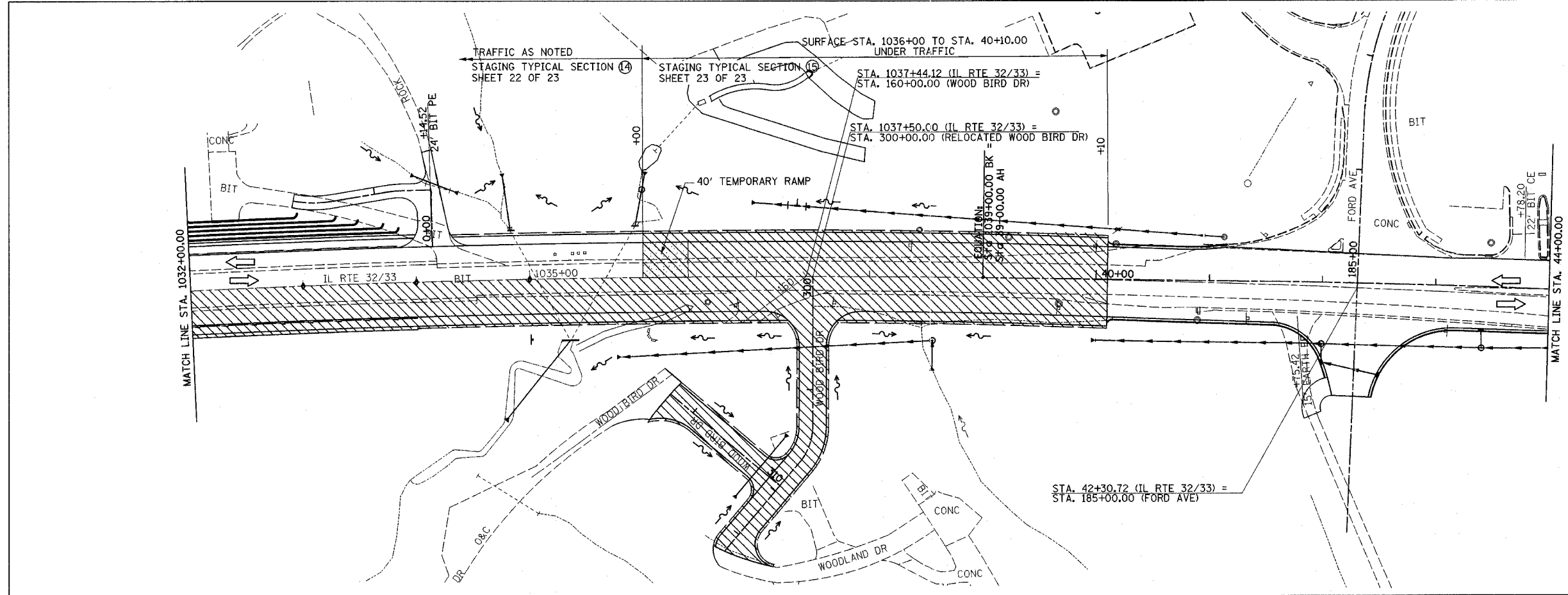
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 20 OF 23

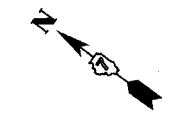
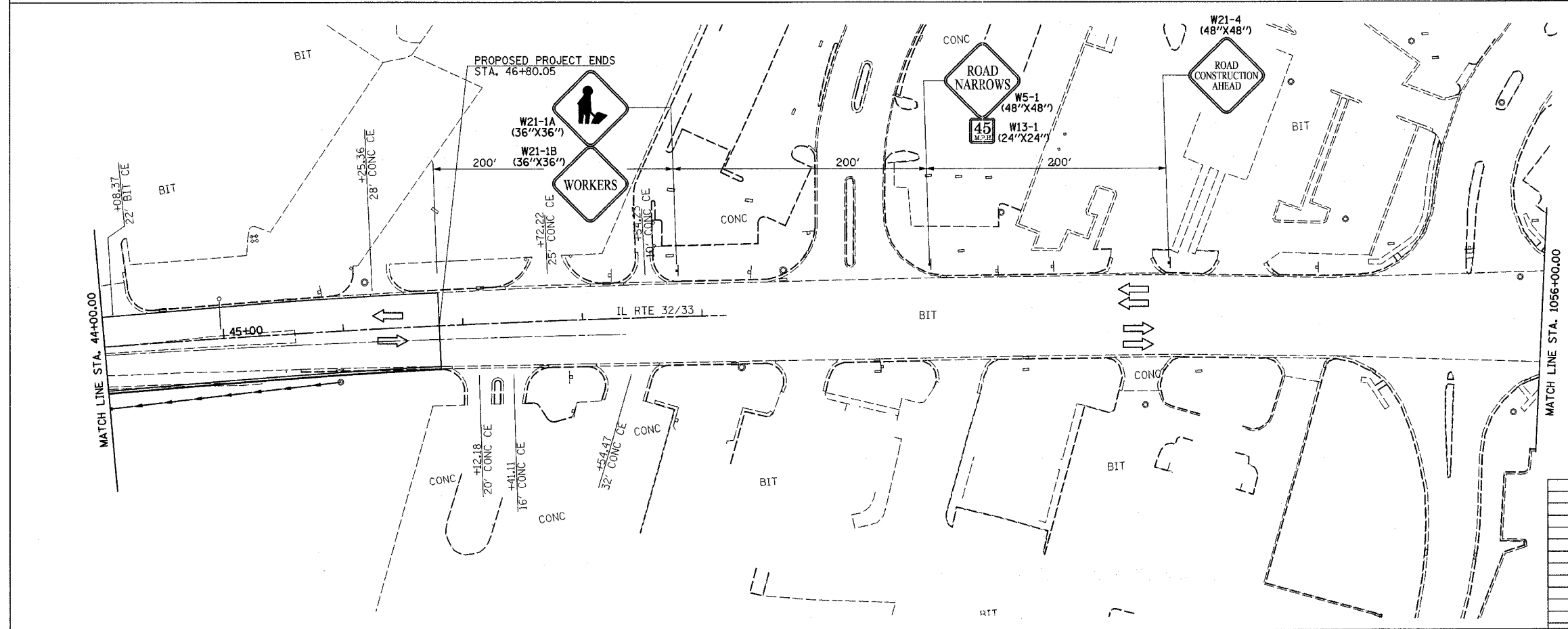
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	52
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



TEMPORARY RAMP  
STA. 1036+00.00 - STA. 1036+40.00 138 SQ YD



LEGEND  
 STAGE III CONSTRUCTION  
 BARRICADE, TYPE II

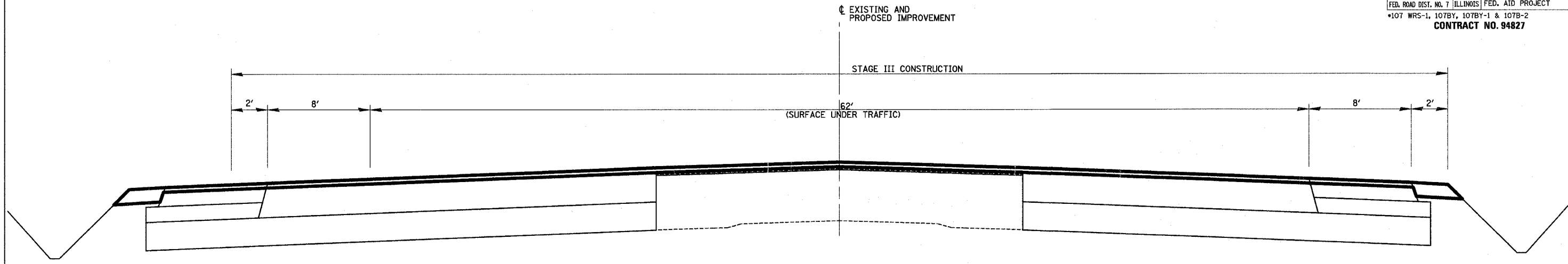
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL  
 STAGE III CONSTRUCTION  
 SHEET 21 OF 23

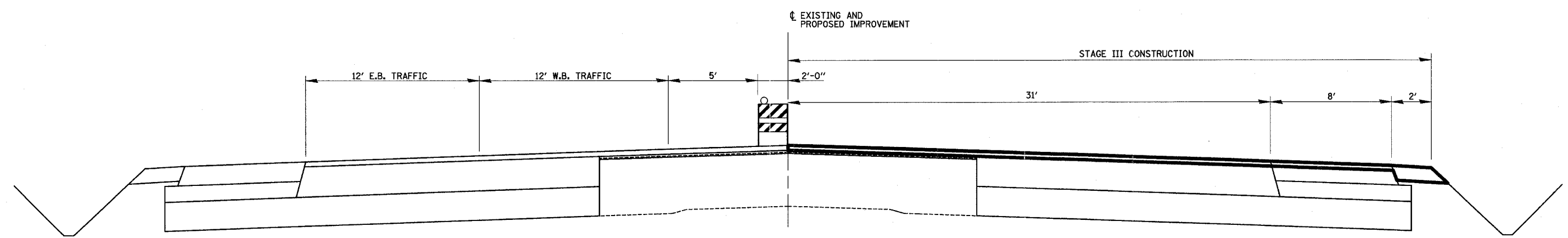
DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY RDW



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	53
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107 WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



PROPOSED TRAFFIC CONTROL TYPICAL SECTION (13)  
 STA. 942+50 TO STA. 962+70



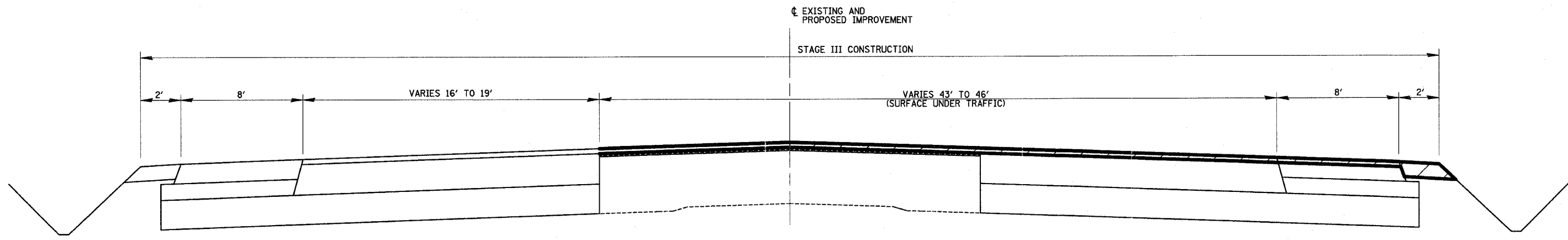
PROPOSED TRAFFIC CONTROL TYPICAL SECTION (14)  
 STA. 942+50 TO STA. 950+80  
 STA. 962+70 TO STA. 1009+89  
 STA. 1013+13 TO STA. 1017+44  
 STA. 1020+30 TO STA. 1036+00

LEGEND  
 STAGE III CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE III  
 SHEET 22 OF 23  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	54
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
•107 WRS-1, 107BY, 107BY-1 & 107B-2		<b>CONTRACT NO. 94827</b>		



PROPOSED TRAFFIC CONTROL TYPICAL SECTION (15)  
 STA. 1036+00 TO STA. 40+10

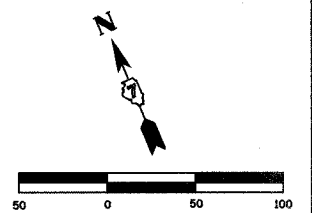
STATION EQUATION: STA. 1039+00.00 BK = STA. 39+00.00 AH

LEGEND  
 [Hatched Box] STAGE III CONSTRUCTION

REVISIONS	
NAME	DATE

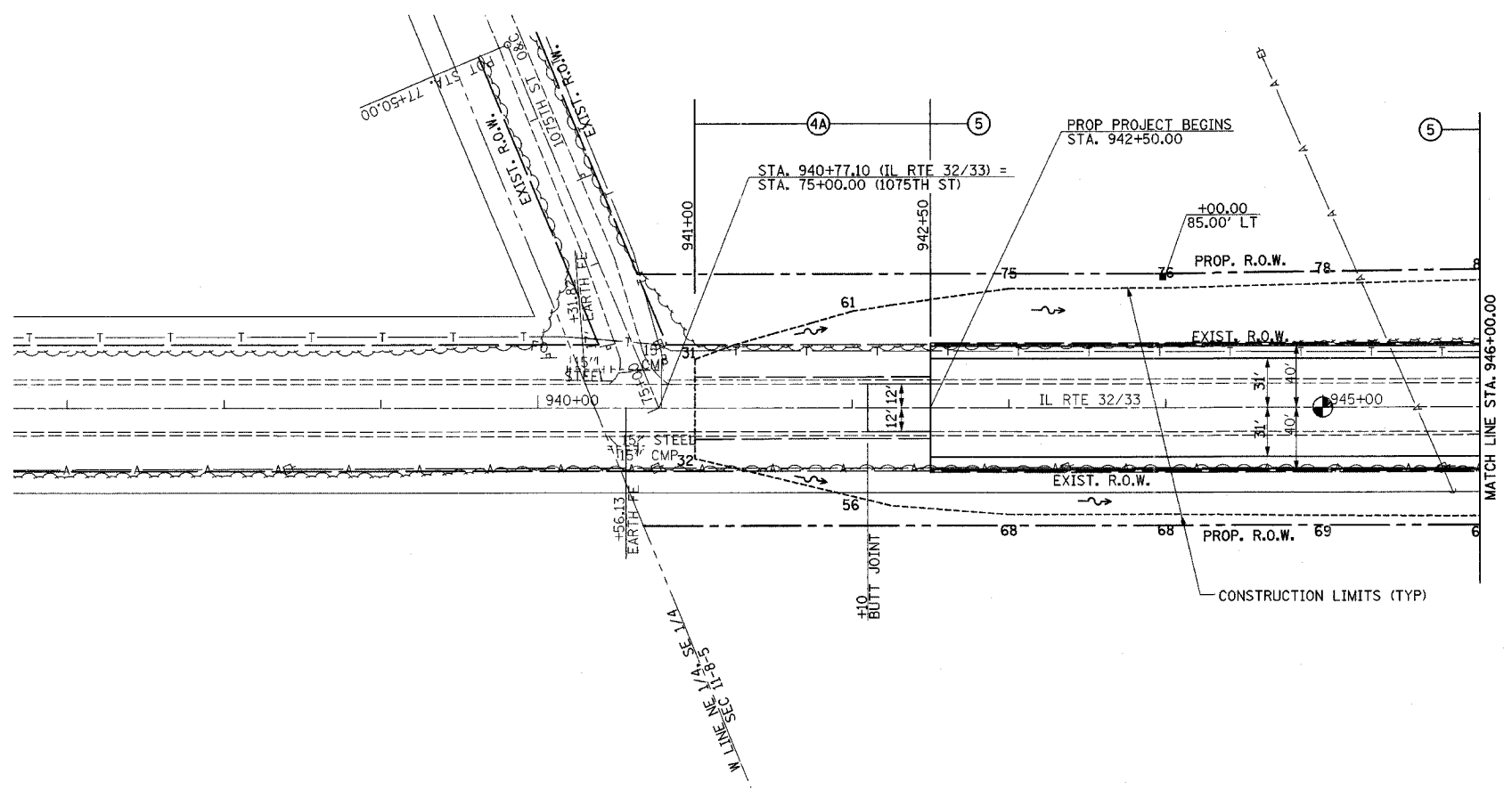
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 STAGE III  
 SHEET 23 OF 23  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	55
STA. 934+00.00 TO STA. 946+00.00				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



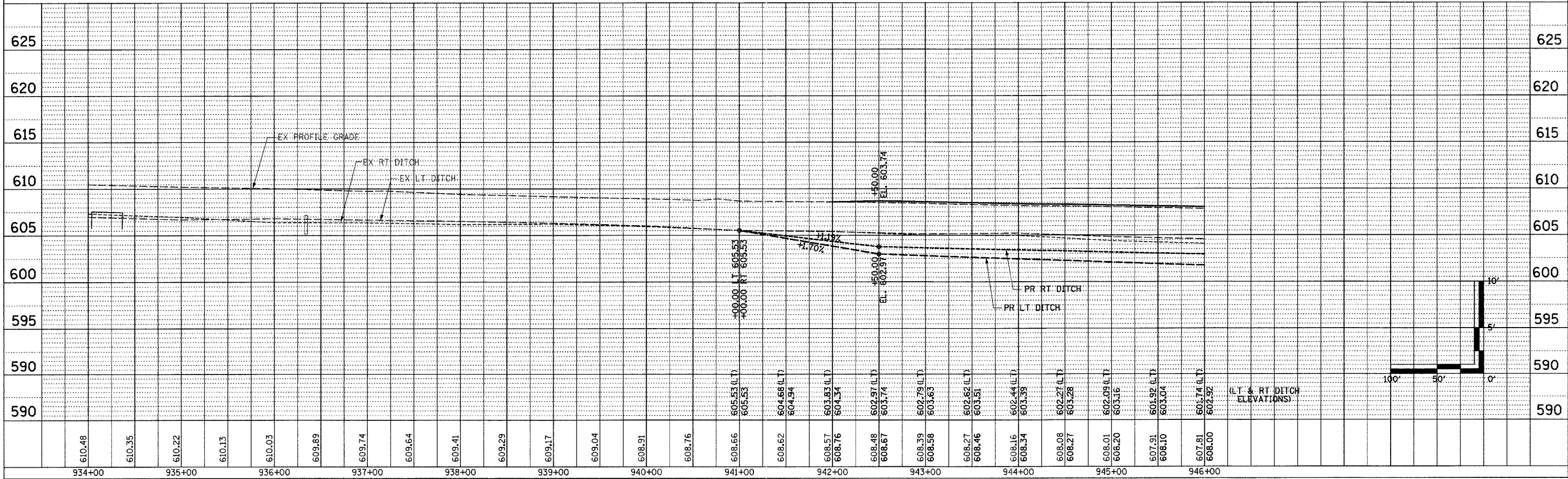
PERMANENT SURVEY MARKER, TYPE I  
STA. 945+00.00 1 EACH

BIT. SURFACE REMOVAL - BUTT JOINT  
STA. 942+10.00 - STA. 942+50.00 107 SQ YDS

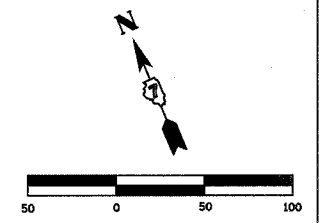


PLAN	SUBMITTED	DATE
	BY	
	NOTED	
	CHECKED	
	DATE	
	NO.	

PROFILE	SUBMITTED	DATE
	BY	
	NOTED	
	CHECKED	
	DATE	
	NO.	



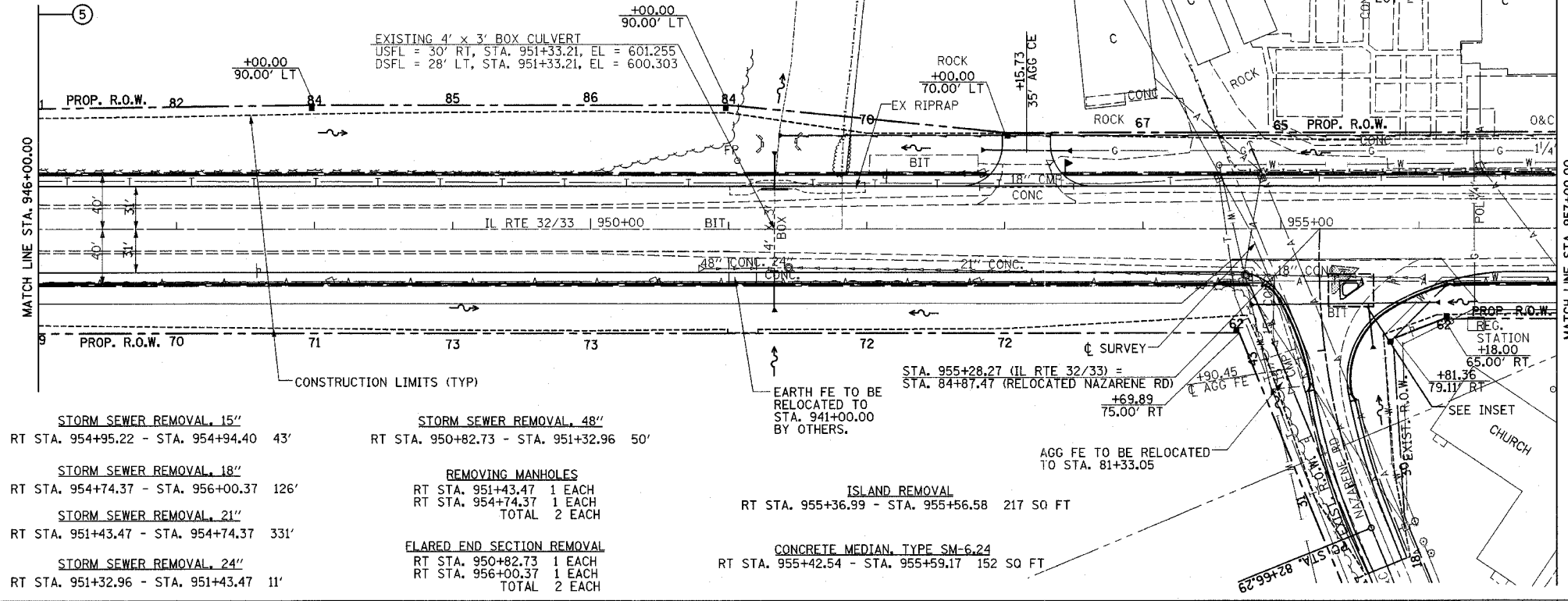
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	56
STA. 946+00.00		TO STA. 957+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



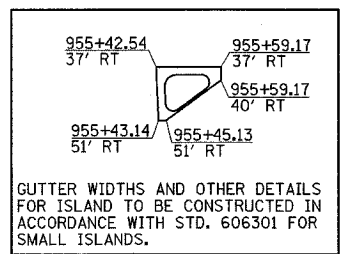
PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"  
LT STA. 951+40.00 - STA. 957+00.00 560'

PCBC 4'x3' EXTENSION (CULVERT NO. 1)  
STA. 951+33.21  
LENGTH = 23' LT & 25' RT  
USFL = 46' RT, EL = 601.68  
DSFL = 53' LT, EL = 599.88  
(SEE SHEET 112 FOR CONCRETE COLLAR DETAILS)

BOX CULVERT END SECTION, CULVERT NO. 1  
STA. 951+33.21 2 EACH

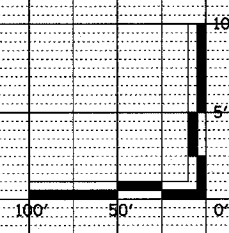
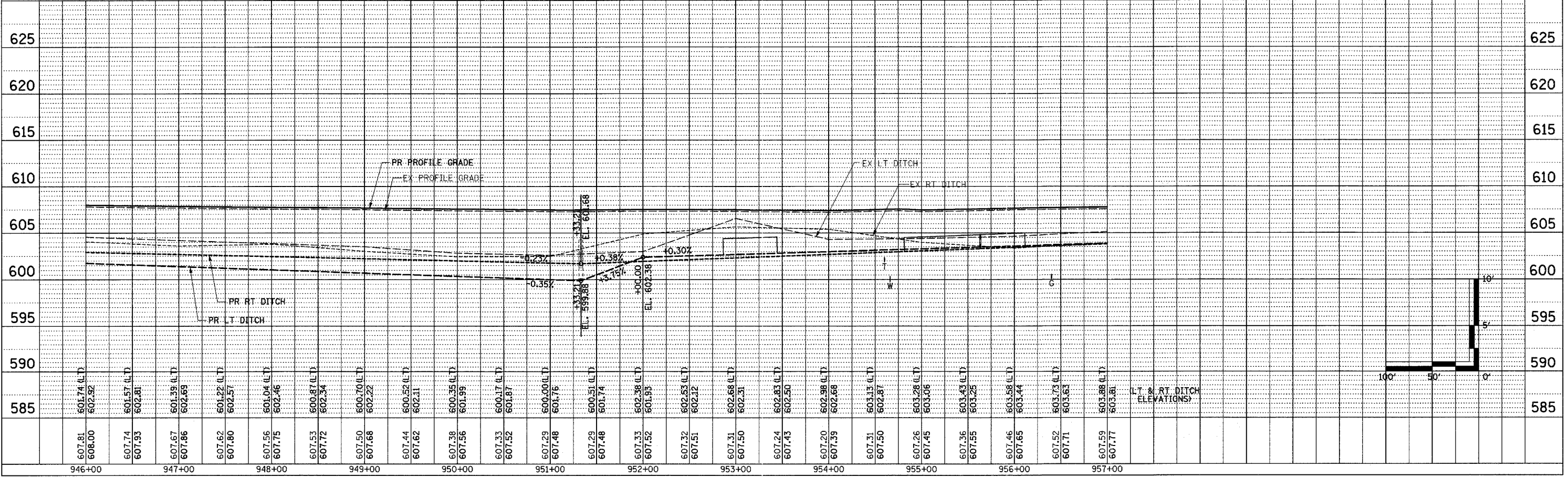


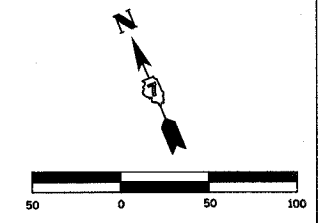
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24  
LT STA. 83+72.00 - STA. 84+48.00 87'  
RT STA. 83+61.00 - STA. 84+46.00 127'  
TOTAL 214'



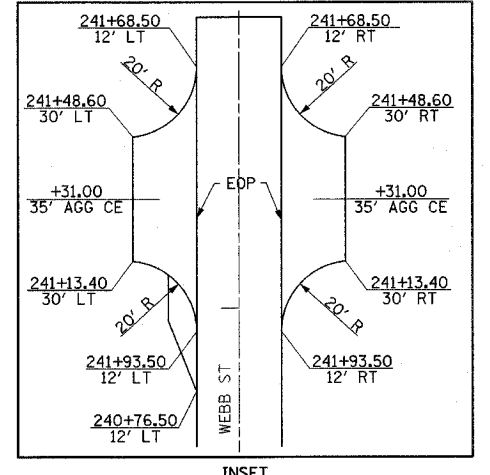
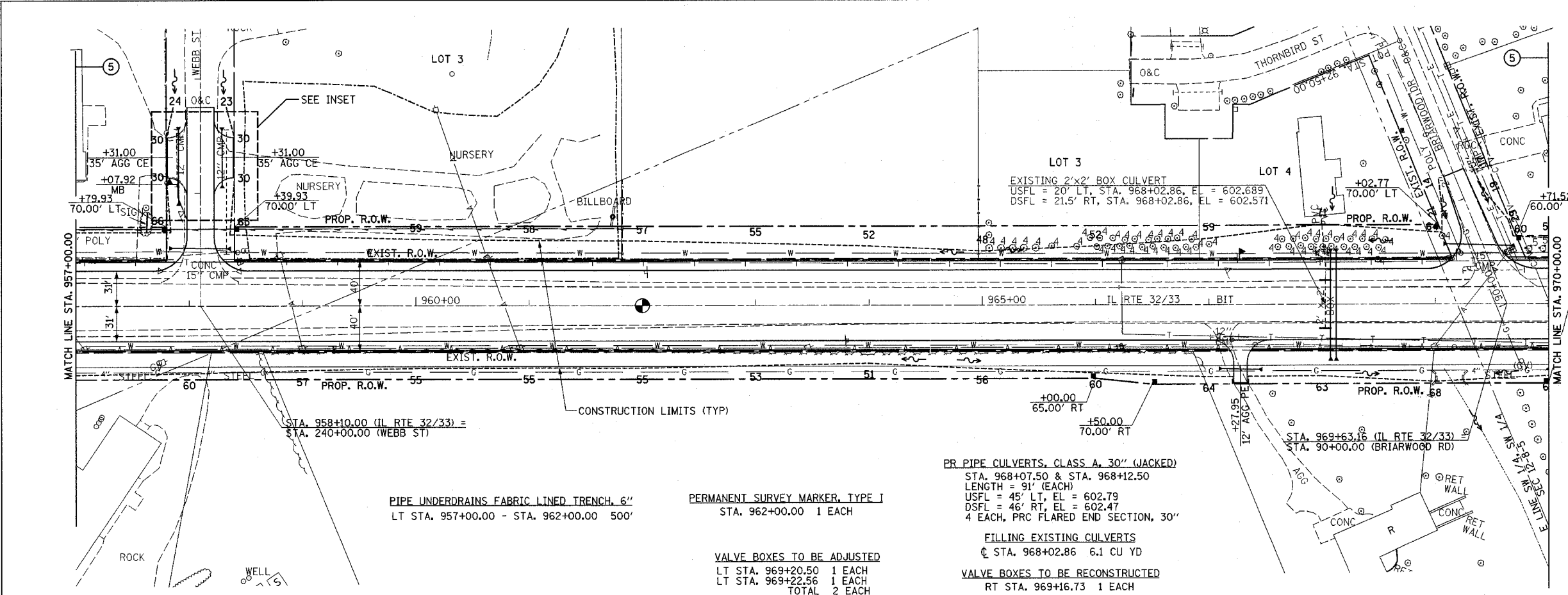
DATE	BY	DATE	BY

DATE	BY	DATE	BY



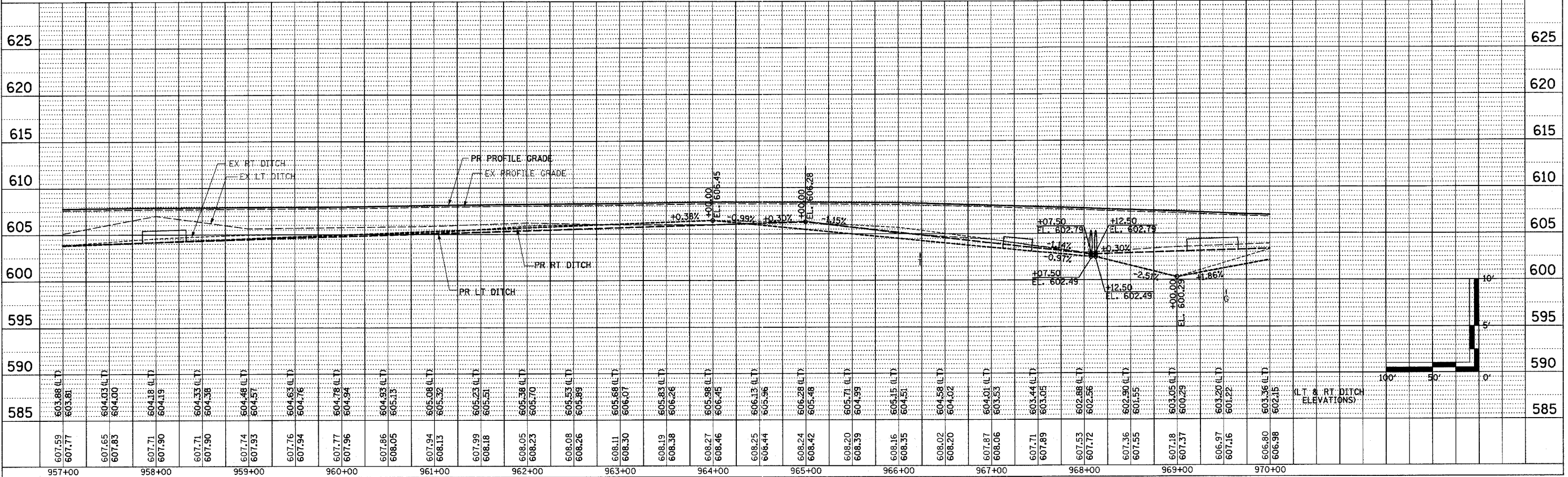


DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_



- PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"  
LT STA. 957+00.00 - STA. 962+00.00 500'
- PERMANENT SURVEY MARKER, TYPE I  
STA. 962+00.00 1 EACH
- VALVE BOXES TO BE ADJUSTED  
LT STA. 969+20.50 1 EACH  
LT STA. 969+22.56 1 EACH  
TOTAL 2 EACH
- PR PIPE CULVERTS, CLASS A, 30" (JACKED)  
STA. 968+07.50 & STA. 968+12.50  
LENGTH = 91' (EACH)  
USFL = 45' LT, EL = 602.79  
DSFL = 46' RT, EL = 602.47  
4 EACH, PRC FLARED END SECTION, 30"
- FILLING EXISTING CULVERTS  
STA. 968+02.86 6.1 CU YD
- VALVE BOXES TO BE RECONSTRUCTED  
RT STA. 969+16.73 1 EACH

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. \_\_\_\_\_



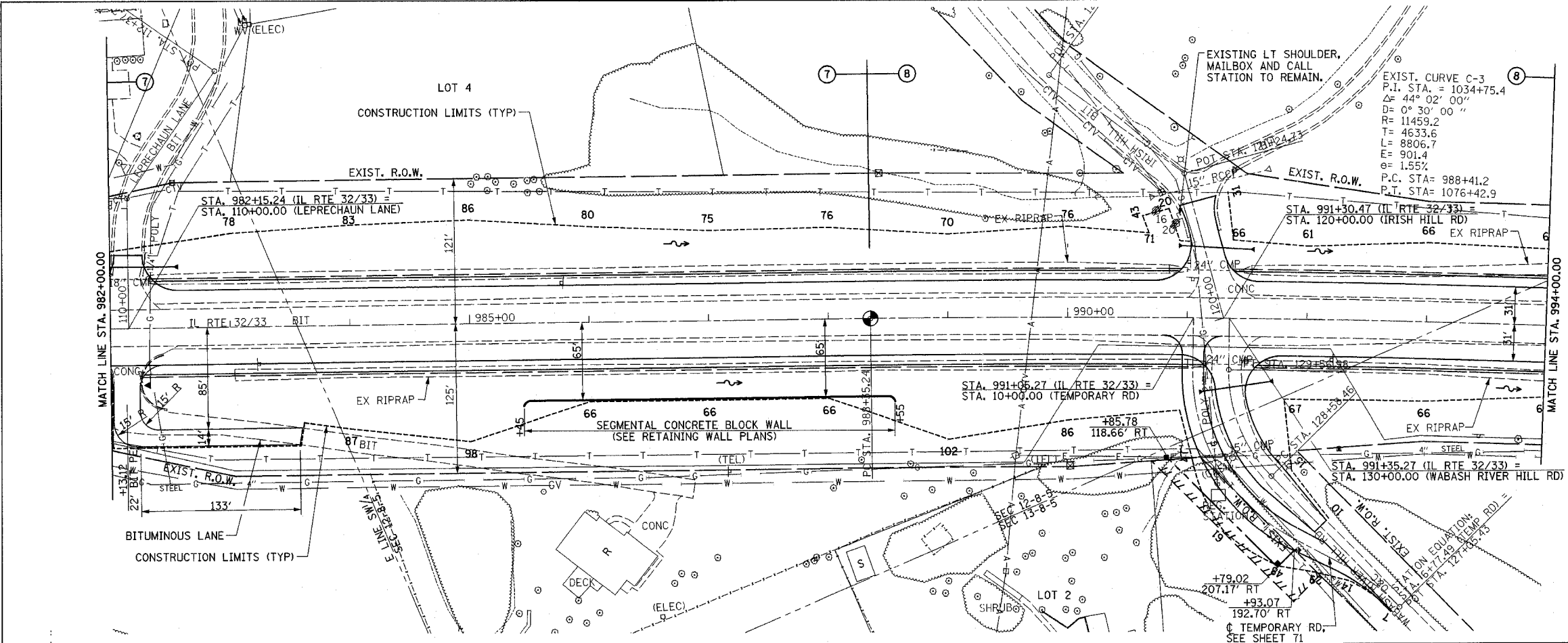
MAIN LINE SHEET 3 OF 12





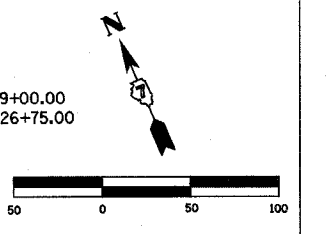
PLAN	DATE
REVISION	BY
NOTE BOOK	NO.
NO.	

PROFILE	DATE
GRADES CHECKED	BY
STRUCTURE NOTATIONS CHECKED	NO.
NO.	



PROP. CURVE PROP5  
 PI STA. = 1014+09.68  
 Δ = 25° 19' 45" (RT)  
 D = 0° 30' 00"  
 R = 11,456.75'  
 T = 2,574.44'  
 L = 5,064.76'  
 E = 285.69'  
 e = 1.56 %  
 P.C. STA. = 988+35.24  
 P.T. STA. = 1039+00.00  
 SE ATTAINED STA. 985+70.00 TO STA. 989+00.00  
 SE REMOVED STA. 1025+00.00 TO STA. 1026+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	59
STA. 982+00.00		TO STA. 994+00.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

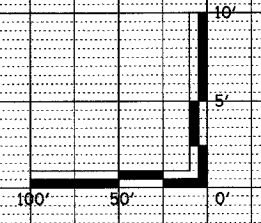
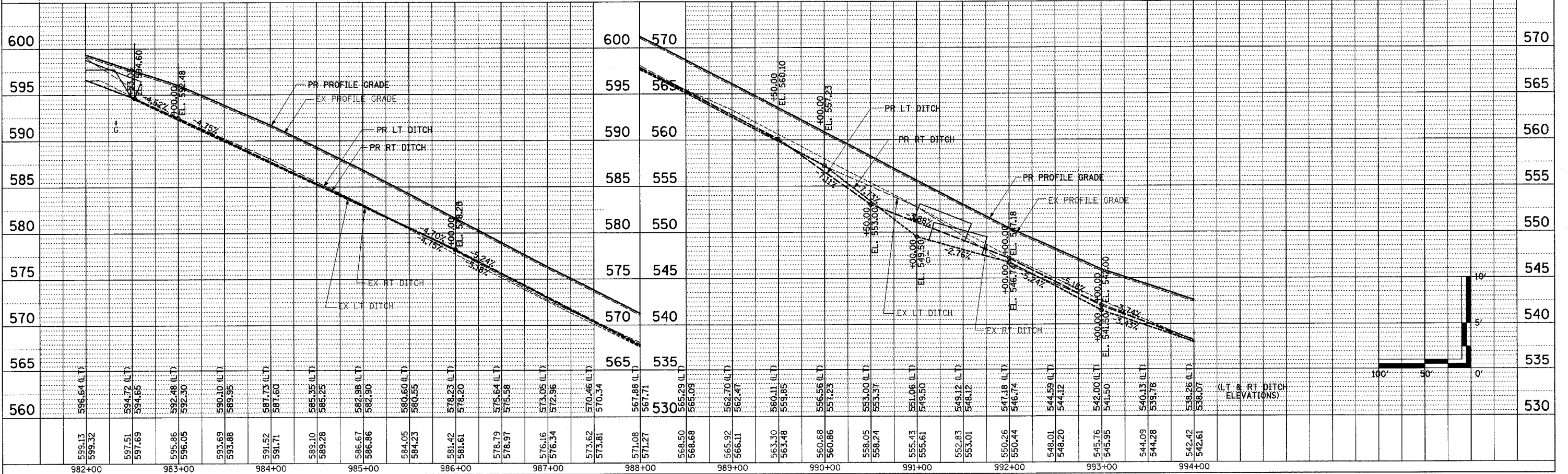


PERMANENT SURVEY MARKER, TYPE I  
 PC STA. 988+35.24 1 EACH

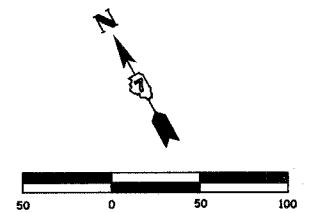
COMBINATION CURB AND GUTTER REMOVAL  
 RT STA. 982+25.26 - STA. 982+46.41 65'

GUTTER REMOVAL  
 LT STA. 110+45.14 - STA. 110+61.00 16'  
 RT STA. 110+45.14 - STA. 110+61.00 16'  
 TOTAL 32'

PORTLAND CEMENT CONCRETE SHOULDER REMOVAL  
 RT STA. 120+72.00 - STA. 121+00.00 8 SO YD

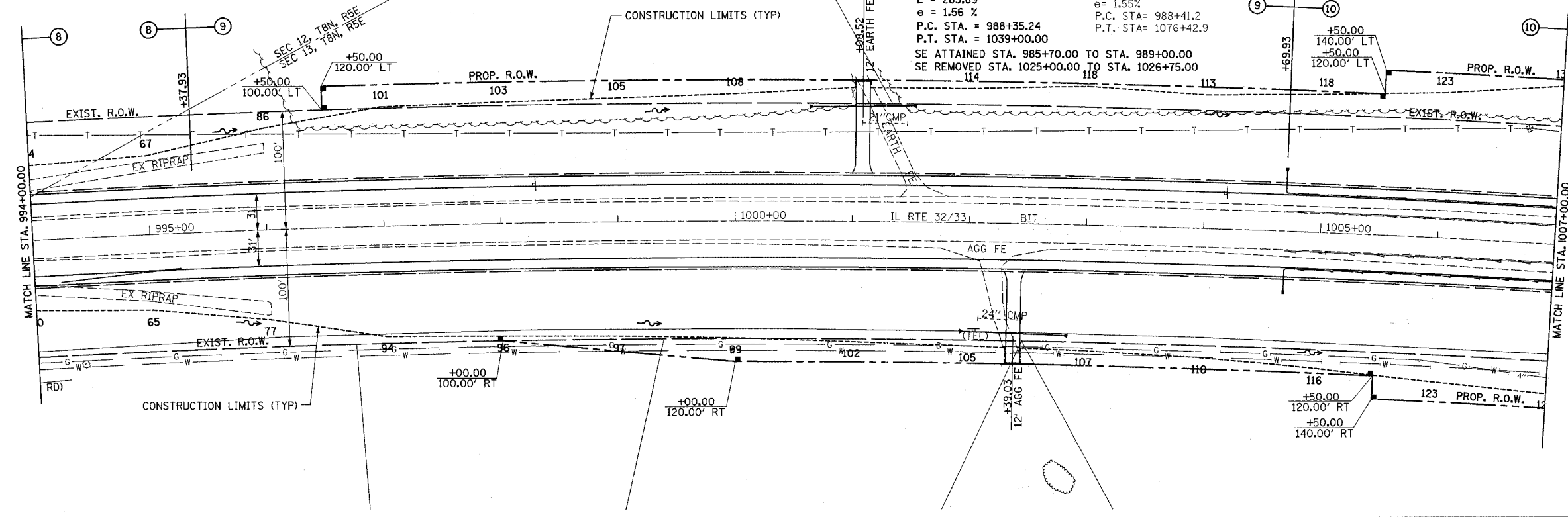


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	60
STA. 994+00.00 TO STA. 1007+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



**PROP. CURVE PROP5**  
 PI STA. = 1014+09.68  
 $\Delta = 25^\circ 19' 45''$  (RT)  
 $D = 0^\circ 30' 00''$   
 $R = 11,456.75'$   
 $T = 2,574.44'$   
 $L = 5,064.76'$   
 $E = 285.69'$   
 $e = 1.56\%$   
 P.C. STA. = 988+35.24  
 P.T. STA. = 1039+00.00  
 SE ATTAINED STA. 985+70.00 TO STA. 989+00.00  
 SE REMOVED STA. 1025+00.00 TO STA. 1026+75.00

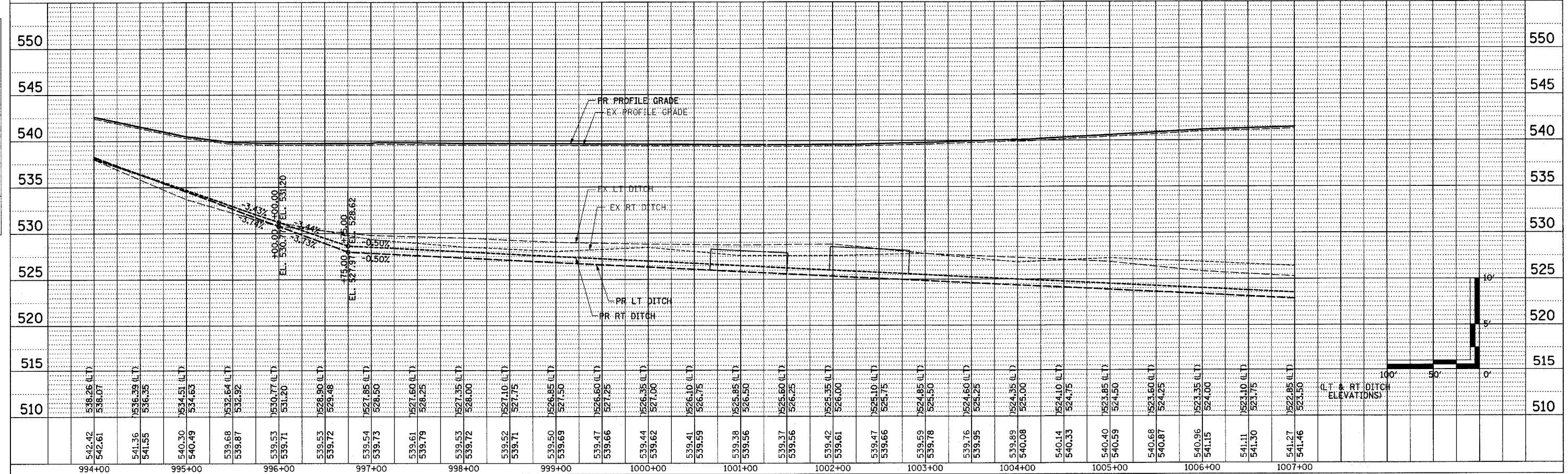
**EXIST. CURVE C-3**  
 P.I. STA. = 1034+75.4  
 $\Delta = 44^\circ 02' 00''$   
 $D = 0^\circ 30' 00''$   
 $R = 11,459.2$   
 $T = 4633.6$   
 $L = 8806.7$   
 $E = 901.4$   
 $e = 1.55\%$   
 P.C. STA. = 988+41.2  
 P.T. STA. = 1076+42.9



- PIPE UNDERDRAIN REMOVAL**  
 LT STA. 1004+70.00 - STA. 1007+00.00 230'  
 RT STA. 1004+70.00 - STA. 1007+00.00 230'  
 TOTAL 460'
- PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"**  
 LT STA. 1004+69.93 - STA. 1007+00.00 230'  
 RT STA. 1004+69.93 - STA. 1007+00.00 230'  
 TOTAL 460'
- PIPE UNDERDRAINS 6" (SPECIAL)**  
 LT STA. 1004+69.93 17'  
 RT STA. 1004+69.93 17'  
 TOTAL 34'
- CONCRETE HEADWALL FOR PIPE DRAINS**  
 LT STA. 1004+69.93 1 EACH  
 RT STA. 1004+69.93 1 EACH  
 TOTAL 2 EACH

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994+00	995+00	996+00	997+00	998+00	999+00	1000+00	1001+00	1002+00	1003+00	1004+00	1005+00	1006+00	1007+00
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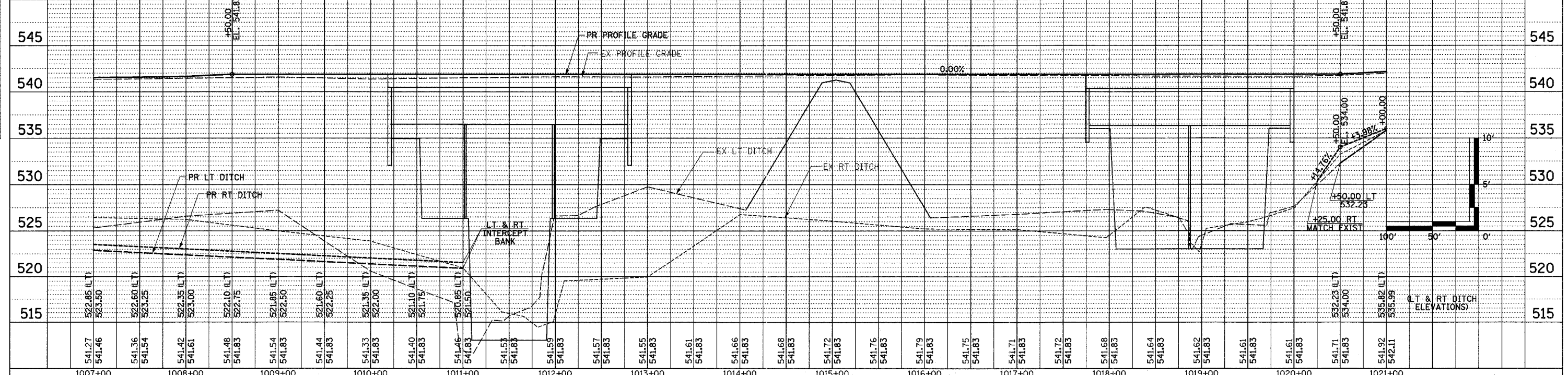
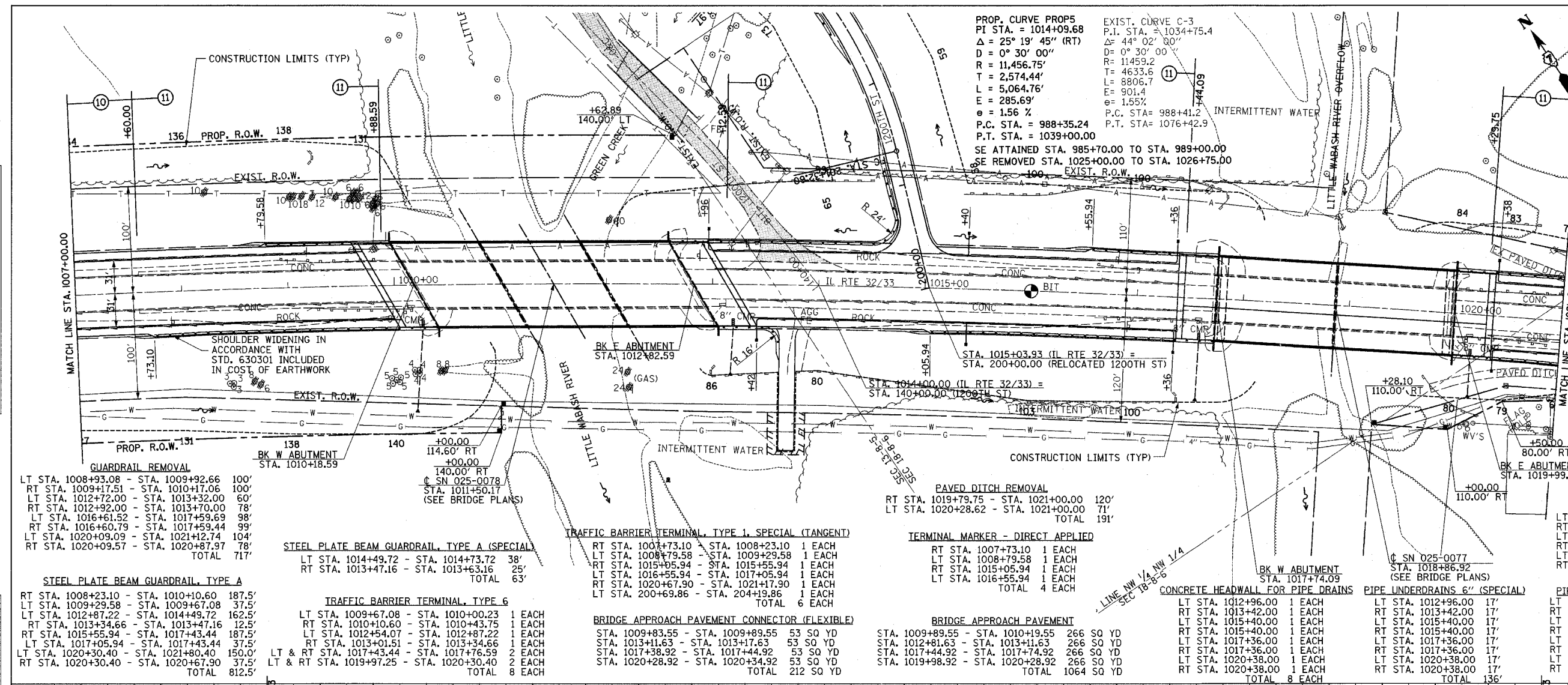
MAIN LINE SHEET 6 OF 12



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	61

STA. 1007+00.00 TO STA. 1021+00.00  
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \* 107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

- PERMANENT SURVEY MARKERS, TYPE I**  
 STA. 1016+00.00 1 EACH
- TYPE D INLET BOX, STANDARD 609006**  
 RT STA. 1010+26.80 1 EACH  
 RT STA. 1013+19.80 1 EACH  
 RT STA. 1017+59.66 1 EACH  
 RT STA. 1020+16.30 1 EACH  
 TOTAL 4 EACH
- REMOVE INLET BOX**  
 RT STA. 1010+15.85 1 EACH  
 RT STA. 1013+09.67 1 EACH  
 RT STA. 1017+58.81 1 EACH  
 RT STA. 1020+14.91 1 EACH  
 TOTAL 4 EACH
- PIPE DRAINS, 12"**  
 RT STA. 1010+26.80 80'  
 RT STA. 1013+19.80 60'  
 RT STA. 1017+59.66 65'  
 RT STA. 1020+16.30 56'  
 TOTAL 261'
- CONCRETE THRUST BLOCKS**  
 RT STA. 1010+26.80 1 EACH  
 RT STA. 1013+19.80 1 EACH  
 RT STA. 1017+59.66 1 EACH  
 RT STA. 1020+16.30 1 EACH  
 TOTAL 4 EACH
- END SECTIONS, 12"**  
 RT STA. 1010+26.80 1 EACH  
 RT STA. 1013+19.80 1 EACH  
 RT STA. 1017+59.66 1 EACH  
 RT STA. 1020+16.30 1 EACH  
 TOTAL 4 EACH
- PIPE UNDERDRAIN REMOVAL**  
 LT STA. 1007+00.00 - STA. 1009+80.00 280'  
 RT STA. 1007+00.00 - STA. 1009+98.00 298'  
 LT STA. 1013+02.00 - STA. 1017+44.00 422'  
 RT STA. 1013+22.00 - STA. 1017+44.00 422'  
 LT STA. 1020+32.00 - STA. 1021+00.00 68'  
 RT STA. 1020+32.00 - STA. 1021+00.00 68'  
 TOTAL 1578'
- PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"**  
 LT STA. 1007+00.00 - STA. 1009+70.00 270'  
 RT STA. 1007+00.00 - STA. 1010+08.00 308'  
 LT STA. 1012+96.00 - STA. 1016+00.00 304'  
 RT STA. 1013+42.00 - STA. 1016+00.00 258'  
 LT STA. 1016+00.00 - STA. 1017+36.00 136'  
 RT STA. 1016+00.00 - STA. 1017+36.00 136'  
 LT STA. 1020+38.00 - STA. 1021+00.00 62'  
 RT STA. 1020+38.00 - STA. 1021+00.00 62'  
 TOTAL 1536'

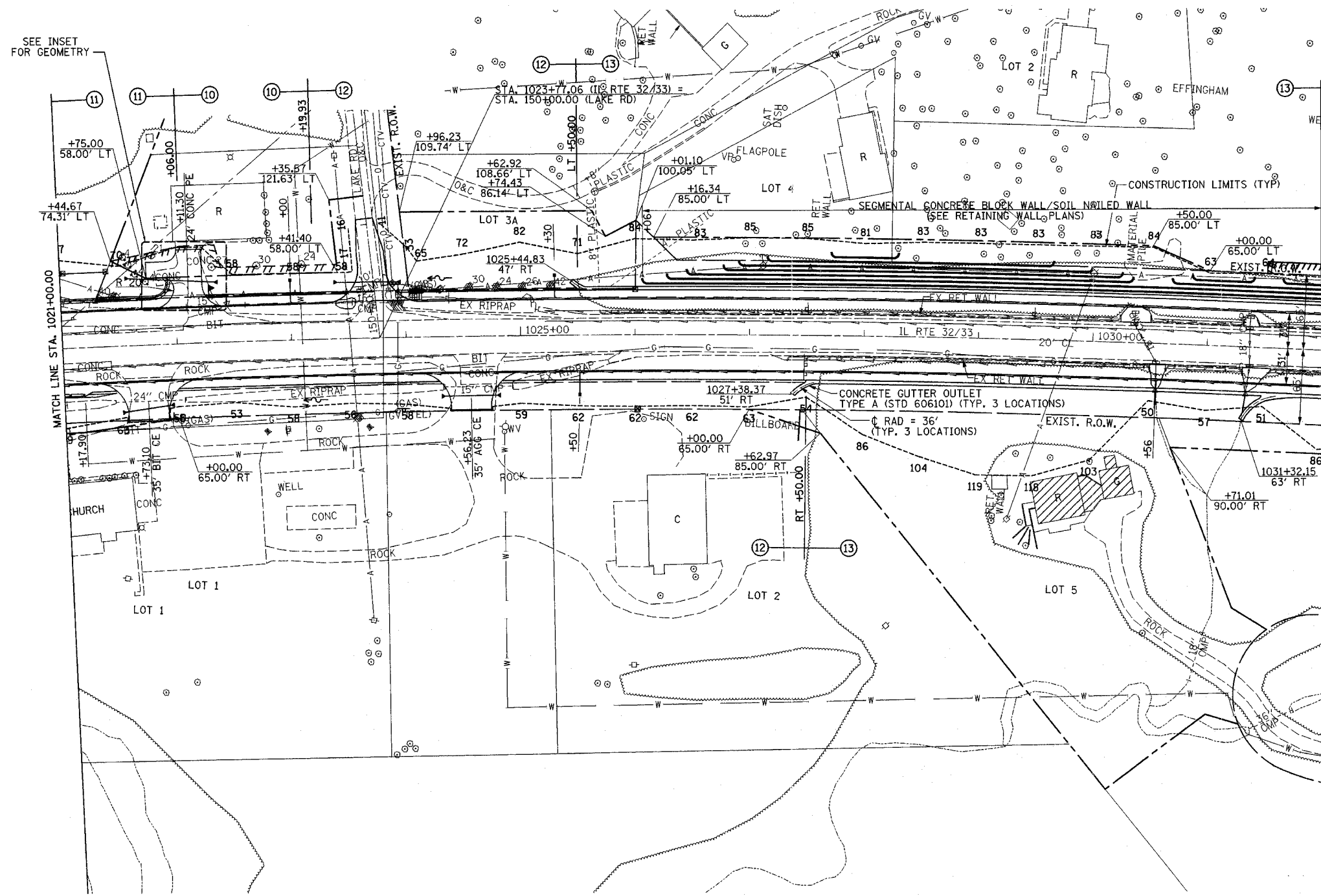


DATE	BY	REVISION

DATE	BY	REVISION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	62
STA. 1021+00.00 TO STA. 1032+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				

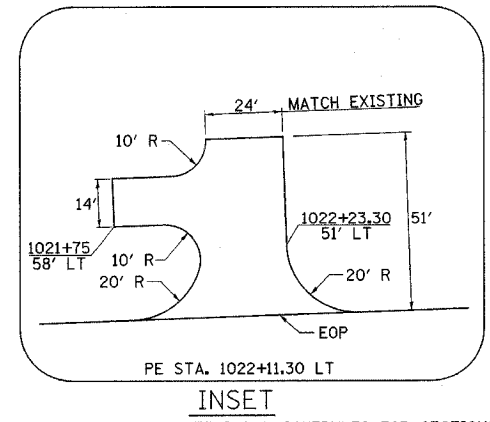
**SHEET NOTE**  
 THE CONTRACTOR SHALL INSTALL 18"Ø PIPE CULVERT RT STA. 1030+56.00 AND 1031+38.00 TO EXTEND DRAINS BEYOND EMBANKMENT LINE. THE CONTRACTOR SHALL MAINTAIN THE EXISTING STORM SEWER CROSSING AT STA. 1030+46 AND STA. 1031+37 UNTIL DRAINAGE IN STAGE II IS COMPLETE ENOUGH TO DRAIN THE NORTH SIDE OF IL ROUTE 32/33 TO THE WEST.



- PAVED DITCH REMOVAL**  
 RT STA. 1021+00.00 - STA. 1021+44.49 45'  
 LT STA. 1021+00.00 - STA. 1021+25.45 28'  
 TOTAL 73'
- GUTTER OUTLET REMOVAL**  
 LT STA. 1025+16.18 - STA. 1025+61.30 1 EACH  
 RT STA. 1025+77.57 - STA. 1026+49.74 1 EACH  
 TOTAL 2 EACH
- CONCRETE GUTTER, TYPE A**  
 LT STA. 1025+55.00 - STA. 1032+00.00 645'  
 RT STA. 1027+55.00 - STA. 1031+50.00 395'  
 RT STA. 1031+75.00 - STA. 1032+00.00 25'  
 TOTAL 1065'
- CLASS SI CONCRETE (OUTLET)**  
 LT STA. 1025+50.00 4.0 CU YD  
 RT STA. 1027+50.00 4.5 CU YD  
 RT STA. 1031+75.00 5.5 CU YD  
 TOTAL 14.0 CU YD
- RETAINING WALL REMOVAL**  
 LT STA. 1025+69.00 - STA. 1030+24.00 1520 SQ FT  
 RT STA. 1027+33.00 - STA. 1030+51.00 1062 SQ FT  
 LT STA. 1030+50.00 - STA. 1031+31.00 271 SQ FT  
 RT STA. 1030+64.00 - STA. 1031+32.00 227 SQ FT  
 LT STA. 1031+43.00 - STA. 1032+00.00 190 SQ FT  
 RT STA. 1031+55.00 - STA. 1032+00.00 150 SQ FT  
 TOTAL 3420 SQ FT
- PILLAR REMOVAL**  
 LT STA. 1023+59.76 1 EACH  
 LT STA. 1023+85.31 1 EACH  
 TOTAL 2 EACH
- PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"**  
 LT STA. 1021+00.00 - STA. 1032+00.00 1100'  
 RT STA. 1021+00.00 - STA. 1032+00.00 1100'  
 TOTAL 2200'
- PIPE UNDERDRAINS 6" (SPECIAL)**  
 LT STA. 1023+00.00 17'  
 LT STA. 1025+30.00 17'  
 RT STA. 1025+50.00 17'  
 RT STA. 1030+56.00 17'  
 TOTAL 68'
- PIPE UNDERDRAIN REMOVAL**  
 LT STA. 1021+00.00 - STA. 1023+50.00 250'  
 RT STA. 1021+00.00 - STA. 1024+40.00 340'  
 RT STA. 1025+22.00 - STA. 1032+00.00 678'  
 TOTAL 1268'
- CONCRETE HEADWALL FOR PIPE DRAINS**  
 LT STA. 1023+00.00 1 EACH  
 LT STA. 1025+30.00 1 EACH  
 RT STA. 1025+50.00 1 EACH  
 RT STA. 1030+56.00 1 EACH  
 TOTAL 4 EACH
- REMOVING INLETS**  
 LT STA. 1030+35.79 2 EACH  
 RT STA. 1030+55.78 1 EACH  
 LT STA. 1031+36.56 2 EACH  
 RT STA. 1031+37.75 1 EACH  
 TOTAL 6 EACH
- STORM SEWER TO BE FILLED**  
 LT STA. 1030+36.00 0.7 CU YDS  
 LT & RT STA. 1030+36.00 - STA. 1030+56.00 2.5 CU YDS  
 RT STA. 1030+56.00 2.6 CU YDS  
 LT STA. 1031+37.00 0.6 CU YDS  
 LT & RT STA. 1031+37.00 - STA. 1031+38.00 2.2 CU YDS  
 RT STA. 1031+38.00 2.6 CU YDS  
 TOTAL 11.2 CU YDS

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**PROP. CURVE PROP5**  
 P.I. STA. = 1014+09.68  
 $\Delta = 25^\circ 19' 45''$  (RT)  
 $D = 0^\circ 30' 00''$   
 $R = 11,456.75'$   
 $T = 2,574.44'$   
 $L = 5,064.76'$   
 $E = 285.69'$   
 $e = 1.56\%$   
 P.C. STA. = 988+35.24  
 P.T. STA. = 1039+00.00  
 SE ATTAINED STA. 985+70.00 TO STA. 989+00.00  
 SE REMOVED STA. 1025+00.00 TO STA. 1026+75.00

**EXIST. CURVE C-3**  
 P.I. STA. = 1034+75.4  
 $\Delta = 44^\circ 02' 00''$   
 $D = 0^\circ 30' 00''$   
 $R = 11,459.2'$   
 $T = 4,633.6'$   
 $L = 8,806.7'$   
 $E = 901.4'$   
 $e = 1.55\%$   
 P.C. STA. = 988+41.2  
 P.T. STA. = 1076+42.9

**REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2**  
 RT STA. 1029+75.00 1 L SUM

**PIPE CULVERT, CLASS A, TYPE 1, 18"**  
 RT STA. 1030+56.00 18'  
 RT STA. 1031+38.00 18'  
 TOTAL 36'

**TERMINAL MARKER - DIRECT APPLIED**  
 RT STA. 1021+17.90 1 EACH

**BUILDING REMOVAL NO. 2**  
 RT STA. 1029+75.00 1 L SUM

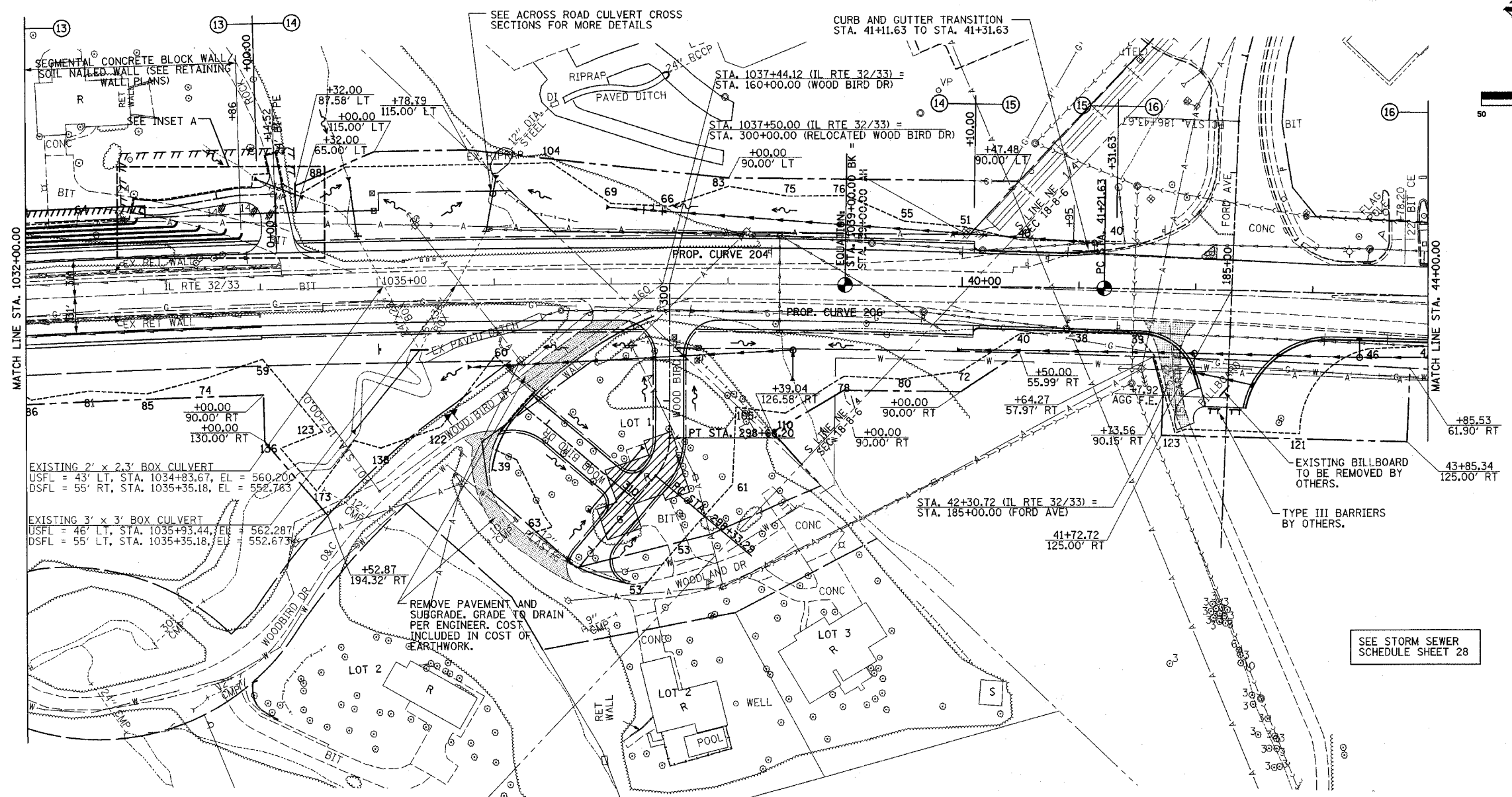
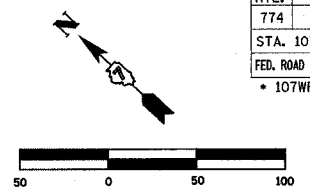
**FLARED END SECTION REMOVAL**  
 RT STA. 1030+56.00 1 EACH  
 RT STA. 1031+38.00 1 EACH  
 TOTAL 2 EACH

**STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)**  
 LT STA. 1021+80.40 - STA. 1021+95.40 24'





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	64
STA. 1032+00.00 TO STA. 44+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



- BUILDING REMOVAL NO. 1**  
RT STA. 1037+00.00 1 L SUM
- PERMANENT SURVEY MARKERS, TYPE I**  
PT STA. 1039+00.00 1 EACH  
PC STA. 41+21.63 1 EACH  
TOTAL 2 EACH
- RETAINING WALL REMOVAL**  
LT STA. 1032+00.00 - STA. 1034+17.00 725 SQ FT  
RT STA. 1032+00.00 - STA. 1033+99.00 665 SQ FT  
RT STA. 158+88.19 - STA. 159+77.78 515 SQ FT  
TOTAL 1905 SQ FT
- CONCRETE GUTTER, TYPE A**  
LT STA. 1032+00.00 - STA. 1034+00.00 200'  
RT STA. 1032+00.00 - STA. 1034+00.00 200'  
TOTAL 400'
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24**  
LT STA. 40+10.00 - STA. 41+31.63 122'  
RT STA. 40+10.00 - STA. 41+31.63 122'  
RT STA. 41+31.63 - STA. 41+50.00 18'  
RT STA. 43+56.71 - STA. 44+00.00 43'  
LT STA. 184+16.00 - STA. 184+65.00 83'  
RT STA. 184+00.00 - STA. 184+65.00 144'  
TOTAL 532'
- PAVED DITCH REMOVAL**  
RT STA. 1035+40.25 - STA. 1036+41.26 101'
- COMBINATION CURB AND GUTTER REMOVAL**  
LT STA. 40+95.00 - STA. 41+31.63 37'  
RT STA. 41+03.79 - STA. 44+00.00 296'  
TOTAL 333'
- GUTTER OUTLET REMOVAL**  
RT STA. 40+88.77 - STA. 41+03.79 1 EACH
- ISLAND PAVEMENT REMOVAL AND REPLACEMENT**  
LT STA. 42+04.53 - STA. 42+17.16 97 SQ FT
- MEDIAN REMOVAL PARTIAL DEPTH**  
STA. 43+16.00 - STA. 44+00.00 346 SQ FT
- PCBC 4'x3' EXTENSION (CULVERT NO. 2)**  
STA. 1034+79.00  
LENGTH = 85' RT  
DSFL = 121' RT, EL = 551.40  
(SEE SHEET 112 FOR CONCRETE COLLAR DETAILS)
- BOX CULVERT END SECTION, CULVERT NO. 2**  
RT STA. 1034+79.00 1 EACH
- PCBC 2'x2' EXTENSION (CULVERT NO. 3)**  
STA. 1034+78.00  
LENGTH = 45' LT  
USFL = 90' LT, EL = 567.50
- BOX CULVERT END SECTION, CULVERT NO. 3**  
LT STA. 1034+81.00 1 EACH
- PCBC 3'x3' EXTENSION (CULVERT NO. 4)**  
STA. 1036+00.00  
LENGTH = 30' LT  
USFL = 75' LT, EL = 560.00
- MH, TA, 6' DIA, TIF, CL**  
STA. 1036+00.00, 78' LT  
TOP OF LID EL = 573.00
- PIPE CULVERTS, CLASS A, TYPE 1, 36"**  
LENGTH = 12'  
USFL = 90' LT, STA. 1036+00.00, EL = 570.20  
DSFL = 78' LT, STA. 1035+98.29, EL = 570.00  
1 EACH, PRC FLARED END SECTION, 36"
- STORM SEWER TO BE FILLED**  
RT STA. 1036+44.26 - STA. 39+67.38 37.6 CU YDS  
LT STA. 1035+96.30 - STA. 39+22.58 38.4 CU YDS  
LT & RT STA. 1038+43.86 - STA. 1038+44.28 5.4 CU YDS  
LT & RT STA. 1038+43.86 - STA. 39+86.99 10.8 CU YDS  
LT STA. 39+22.58 - STA. 41+12.80 22.3 CU YDS  
TOTAL 114.5 CU YDS

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**PROP. CURVE PD1**  
PI STA. = 1+55.28  
 $\Delta = 19^\circ 59' 55.3''$  (RT)  
D = 57' 17" 44.8"  
R = 100'  
T = 17.63'  
L = 34.90'  
E = .154'  
 $\theta =$  N/C  
P.C. STA. = 1+37.65  
P.T. STA. = 1+72.55

**PROP. CURVE PD2**  
PI STA. = 0+82.80  
 $\Delta = 7^\circ 41' 7.4''$  (LT)  
D = 57' 17" 44.8"  
R = 100'  
T = 6.75'  
L = 13.41'  
E = .23'  
 $\theta =$  N/C  
P.C. STA. = 0+76.08  
P.T. STA. = 0+89.49

**PROP. CURVE 204**  
PI STA. = 1038+75.89 31.34' LT  
 $\Delta = 1^\circ 49' 59''$  (RT)  
D = 0' 53' 48"  
R = 6,389.96'  
T = 102.23'  
L = 204.43'  
E = 0.82'  
P.C. STA. = 1037+88.27 31.00' LT  
P.T. STA. = 39+63.67 29.59' LT

**PROP. CURVE 206**  
PI STA. = 1038+77.43 30.71' RT  
 $\Delta = 1^\circ 38' 23''$  (RT)  
D = 0' 57' 54"  
R = 5,938.00'  
T = 84.98'  
L = 169.95'  
E = 0.61'  
P.C. STA. = 1037+92.22 31.00' RT  
P.T. STA. = 39+62.46 32.39' RT

**PROP. CURVE PROP5**  
PI STA. = 1014+09.68  
 $\Delta = 25^\circ 19' 45''$  (RT)  
D = 0' 30' 00"  
R = 11,456.75'  
T = 2,574.44'  
L = 5,064.76'  
E = 285.69'  
 $\theta = 1.56\%$   
P.C. STA. = 988+35.24  
P.T. STA. = 1039+00.00  
SE ATTAINED STA. 985+70.00 TO STA. 989+00.00  
SE REMOVED STA. 1025+00.00 TO STA. 1026+75.00

**EXIST. CURVE C-3**  
P.I. STA. = 1034+75.4  
 $\Delta = 44^\circ 02' 00''$   
D = 0' 30' 00"  
R = 11,459.2'  
T = 4633.6'  
L = 8806.7'  
E = 901.4'  
 $\theta = 1.55\%$   
P.C. STA. = 988+41.2  
P.T. STA. = 1076+42.9

**PROP. CURVE PROP4-2**  
PI STA. = 45-21.11  
 $\Delta = 4^\circ 27' 29''$  (RT)  
D = 0' 33' 30"  
R = 10,263.16'  
T = 399.48'  
L = 798.55'  
E = 7.77'  
 $\theta =$  N/C  
P.C. STA. = 41+21.63  
P.T. STA. = 49+20.18

**REMOVING MANHOLES**  
RT STA. 1036+57.05 1 EACH  
LT STA. 1038+43.86 1 EACH  
LT STA. 39+22.58 1 EACH  
RT STA. 39+67.38 1 EACH  
LT STA. 40+17.22 1 EACH  
RT STA. 40+89.70 1 EACH  
TOTAL 6 EACH

**REMOVING INLETS**  
RT STA. 1038+44.28 1 EACH  
RT STA. 40+91.03 1 EACH  
RT STA. 43+65.32 1 EACH  
TOTAL 3 EACH

**FLARED END SECTION REMOVAL**  
RT STA. 1036+44.26 1 EACH

**INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE**  
LT STA. 41+21.61 1 EACH

**REMOVE INLET BOX**  
LT STA. 1034+83.67 1 EACH  
LT STA. 1035+93.85 1 EACH  
TOTAL 2 EACH

**STORM SEWER REMOVAL, 12"**  
RT STA. 40+89.70 8'

**STORM SEWER REMOVAL, 15"**  
RT STA. 43+65.32 9'

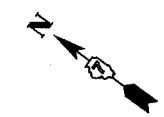
**STORM SEWER REMOVAL, 24"**  
RT STA. 39+67.38 - STA. 40+89.70 123'  
RT STA. 40+89.70 - STA. 44+00.00 309'  
TOTAL 432'

**REMOVE AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1**  
RT STA. 1037+00.00 1 L SUM

**INSET A**  
SEE RURAL ENTRANCE DETAILS & SCHEDULES FOR SECTIONS



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	66
STA. 44+00.00 TO STA. 49+20.13				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



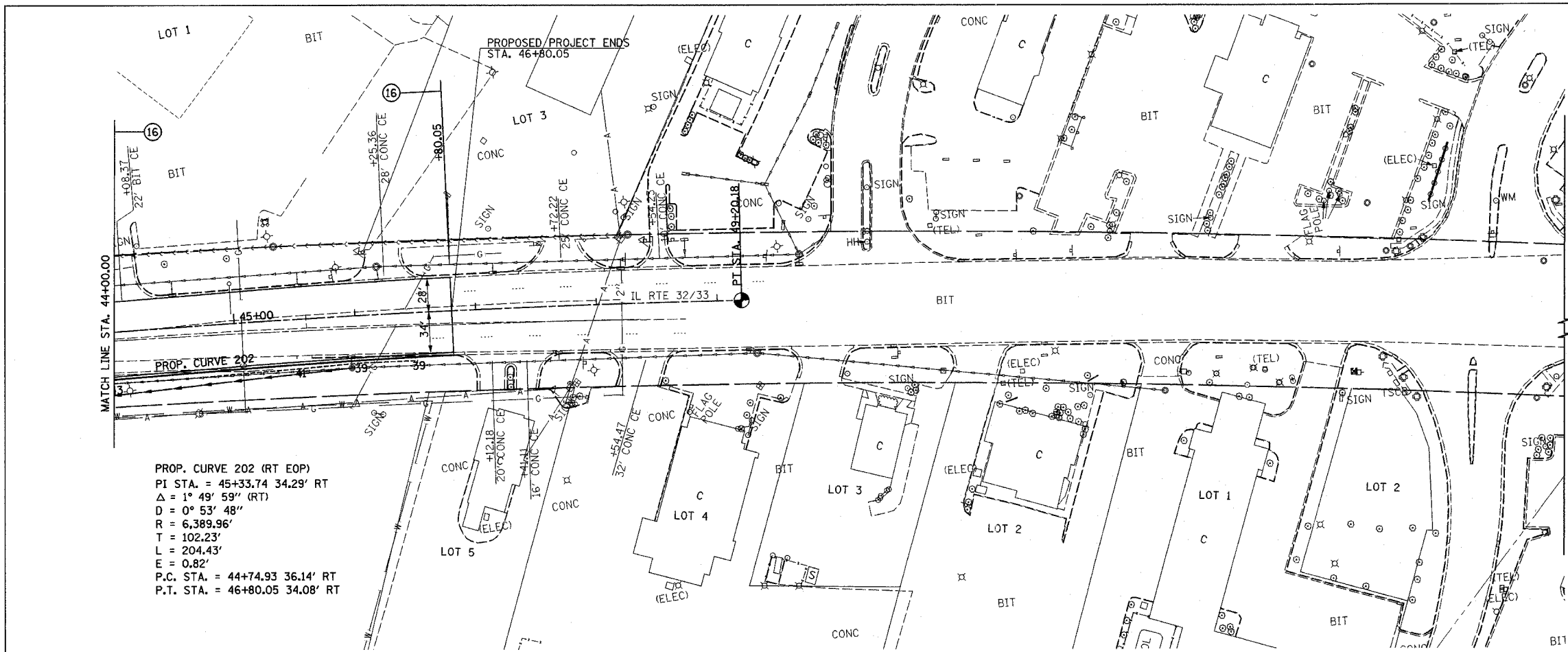
- PERMANENT SURVEY MARKER, TYPE I  
PT STA. 49+20.18 1 EACH
- STORM SEWER REMOVAL, 24"  
RT STA. 44+00.00 - STA. 45+95.00 195'
- INLETS TO BE ADJUSTED WITH NEW  
TYPE 3 FRAME AND GRATE  
RT STA. 45+95.00 1 EACH
- COMBINATION CURB AND GUTTER TYPE B-6.24  
RT STA. 44+00.00 - STA. 46+80.05 280'
- MEDIAN REMOVAL PARTIAL DEPTH  
STA. 44+00.00 - STA. 45+60.00 1272 50 FT
- COMBINATION CURB AND GUTTER REMOVAL  
RT STA. 44+00.00 - STA. 45+80.05 180'

SEE STORM SEWER  
SCHEDULE SHEET 28

PROP. CURVE PROP4-2  
 P.I. STA. = 45+21.11  
 $\Delta = 4^{\circ} 27' 29''$  (RT)  
 $D = 0^{\circ} 33' 30''$   
 $R = 10,263.16'$   
 $T = 399.48'$   
 $L = 798.55'$   
 $E = 7.77'$   
 $\theta = N/C$   
 P.C. STA = 41+21.63  
 P.T. STA = 49+20.18

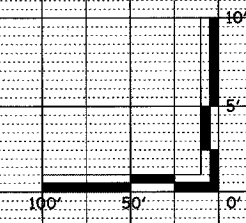
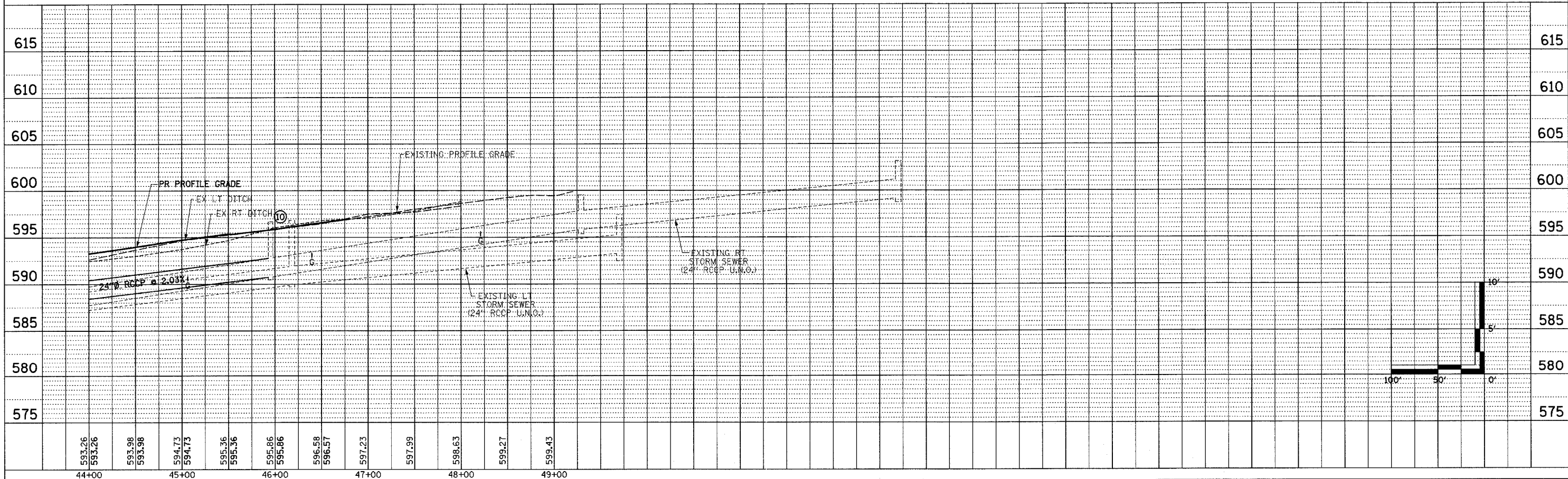
EXIST. CURVE C-3  
 P.I. STA. = 1034+75.4  
 $\Delta = 44^{\circ} 02' 00''$   
 $D = 0^{\circ} 30' 00''$   
 $R = 11459.2$   
 $T = 4633.6$   
 $L = 8806.7$   
 $E = 901.4$   
 $\theta = 1.55\%$   
 P.C. STA = 988+41.2  
 P.T. STA = 1076+42.9

PROP. CURVE 202 (RT EOP)  
 P.I. STA. = 45+33.74 34.29' RT  
 $\Delta = 1^{\circ} 49' 59''$  (RT)  
 $D = 0^{\circ} 53' 48''$   
 $R = 6,389.96'$   
 $T = 102.23'$   
 $L = 204.43'$   
 $E = 0.82'$   
 P.C. STA. = 44+74.93 36.14' RT  
 P.T. STA. = 46+80.05 34.08' RT



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BITUMINOUS SURFACE REMOVAL - BUTT JOINT  
 STA. 82+36.29 - STA. 82+76.29 102 SQ YD

PROP. CURVE C16  
 PI STA. = 83+78.61  
 $\Delta = 24^\circ 35' 40''$  (RT)  
 D = 11° 07' 12"  
 R = 515.26'  
 T = 112.32'  
 L = 221.18'  
 E = 12.10'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 82+66.29  
 P.T. STA. = 84+87.47

STA. 954+77.01 (IL RTE 32/33) =  
 STA. 85+00.00 (NAZARENE RD)  
 STA. 955+28.27 (IL RTE 32/33) =  
 STA. 84+87.47 (RELOCATED NAZARENE RD)

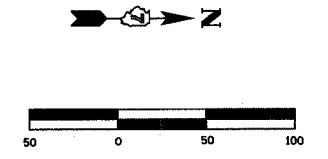
COMBINATION CONCRETE CURB  
 AND GUTTER, TYPE B-6.24 (TYP)  
 PR PIPE CULVERT, CLASS A, TYPE 1 18"  
 LENGTH = 130'  
 USFL = 83' RT, STA. 84+28.33, EL = 603.48  
 DSFL = 47' LT, STA. 84+35.34, EL = 603.00  
 2 EACH, PRC FLARED END SECTION, 18"

PR PIPE CULVERT, CLASS A, TYPE 1 18"  
 LENGTH = 70'  
 USFL = 35' RT, STA. 84+00.00, EL = 603.51  
 DSFL = 35' RT, STA. 84+18.36, EL = 603.42  
 1 EACH, PRC FLARED END SECTION, 18"  
 1 EACH, REINFORCED CONCRETE PIPE TEE, 18"  
 PIPE, WITH 18" RISER

CONCRETE MEDIAN,  
 TYPE SM-4.24  
 ISLAND REMOVAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	67

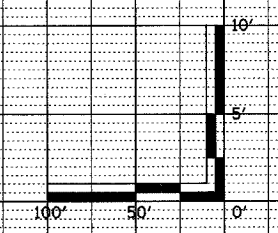
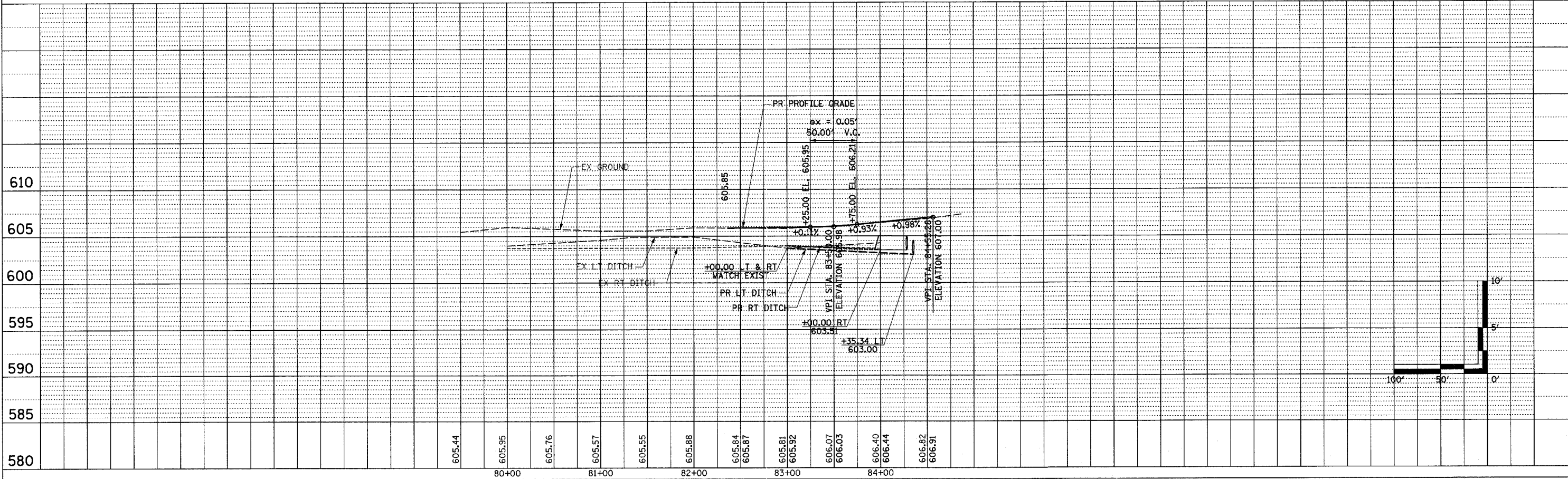
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \* 107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



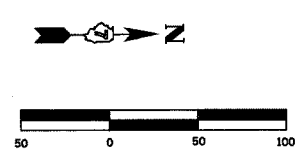
FOR INTERSECTION GEOMETRICS  
 SEE SHEET 75

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

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

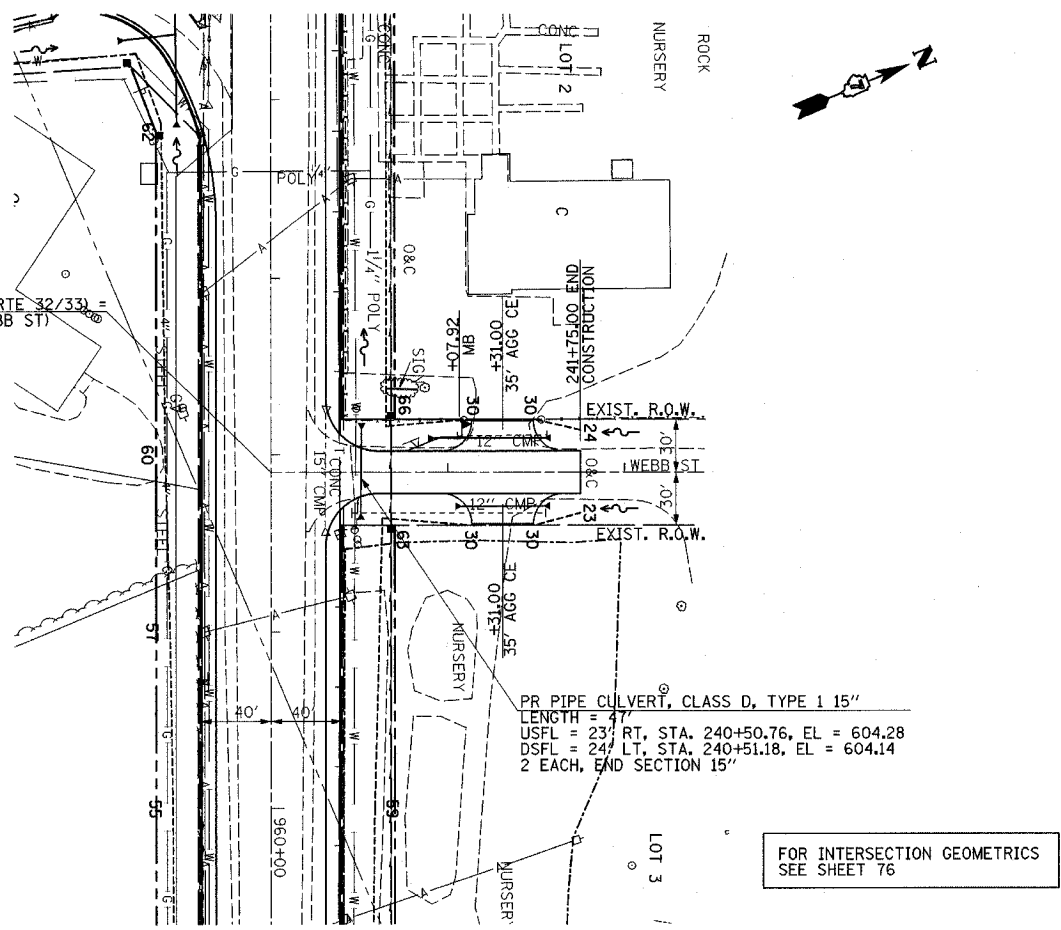


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	68
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
	CHECKED	
	BY	
	NO.	

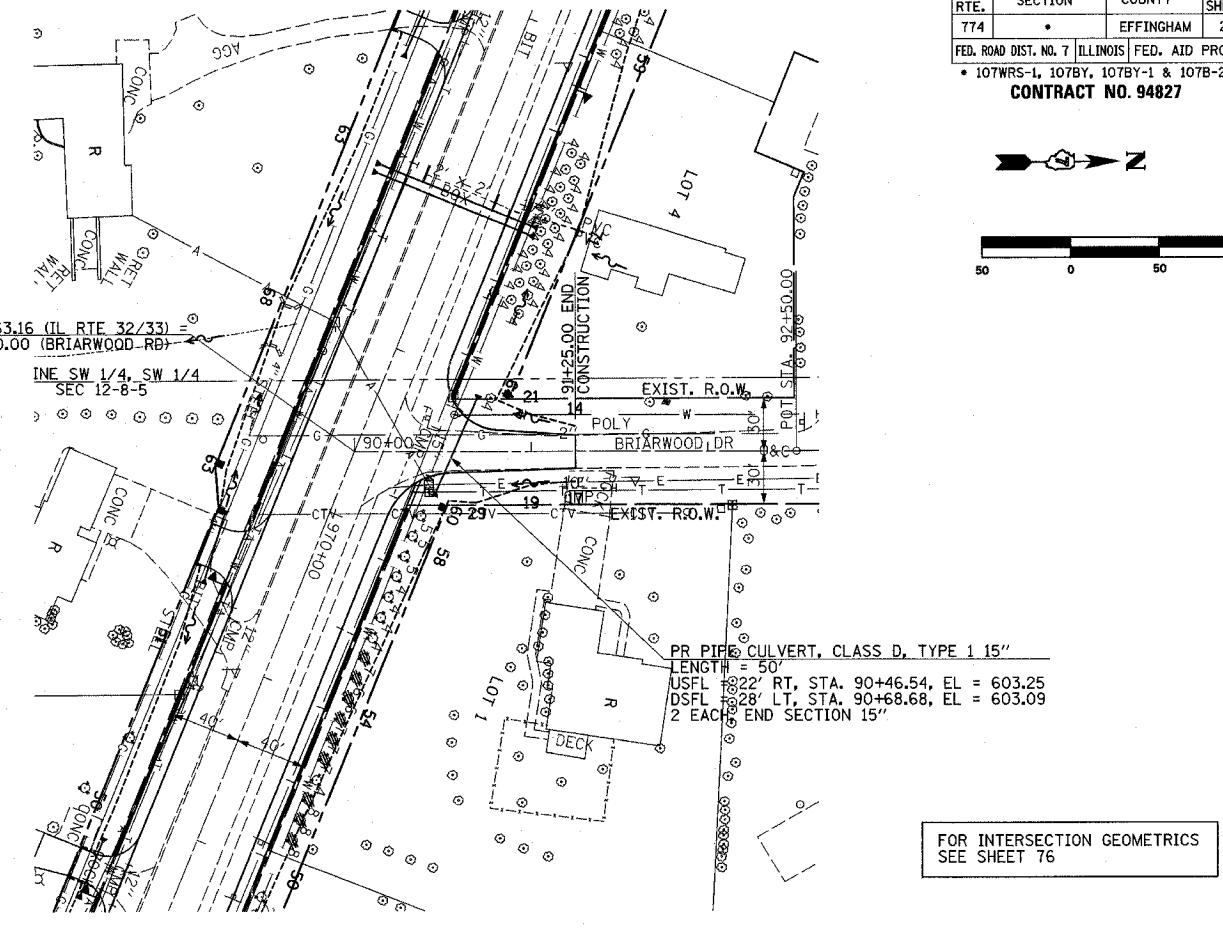
STA. 958+10.00 (IL RTE 32/33) =  
STA. 240+00.00 (WEBB ST)



PR PIPE CULVERT, CLASS D, TYPE 1 15"  
LENGTH = 47'  
USFL = 23' RT, STA. 240+50.76, EL = 604.28  
DSFL = 24' LT, STA. 240+51.18, EL = 604.14  
2 EACH, END SECTION 15'

FOR INTERSECTION GEOMETRICS  
SEE SHEET 76

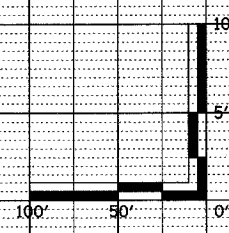
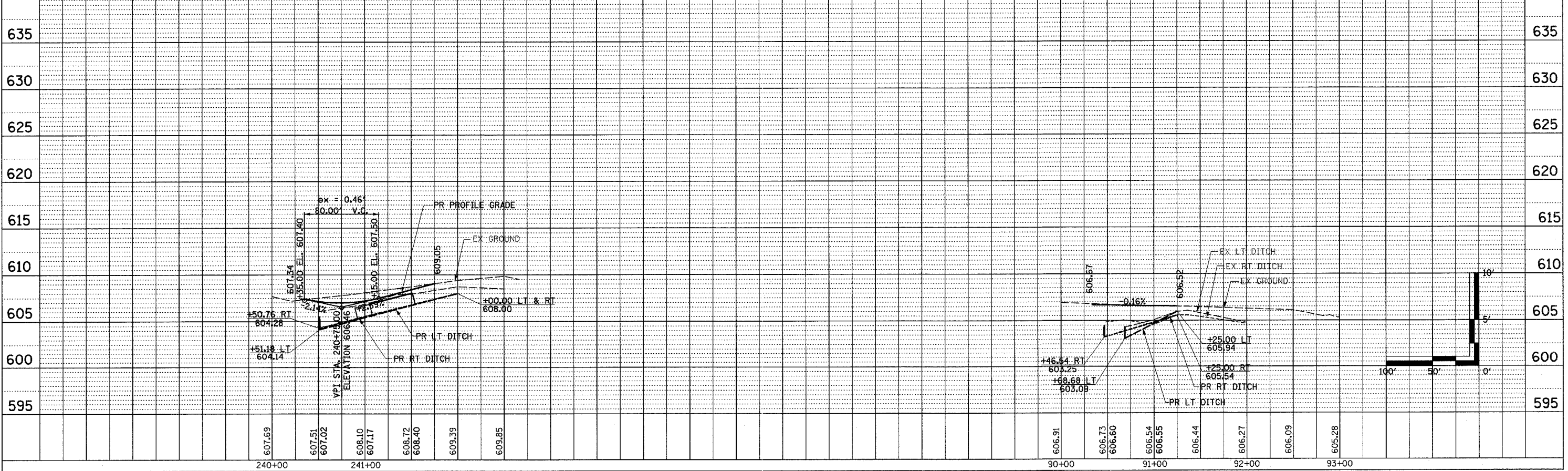
STA. 969+63.16 (IL RTE 32/33) =  
STA. 90+00.00 (BRIARWOOD DR)



PR PIPE CULVERT, CLASS D, TYPE 1 15"  
LENGTH = 50'  
USFL = 22' RT, STA. 90+46.54, EL = 603.25  
DSFL = 28' LT, STA. 90+68.68, EL = 603.09  
2 EACH, END SECTION 15'

FOR INTERSECTION GEOMETRICS  
SEE SHEET 76

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES	
	NOTED	
	BY	
	NO.	



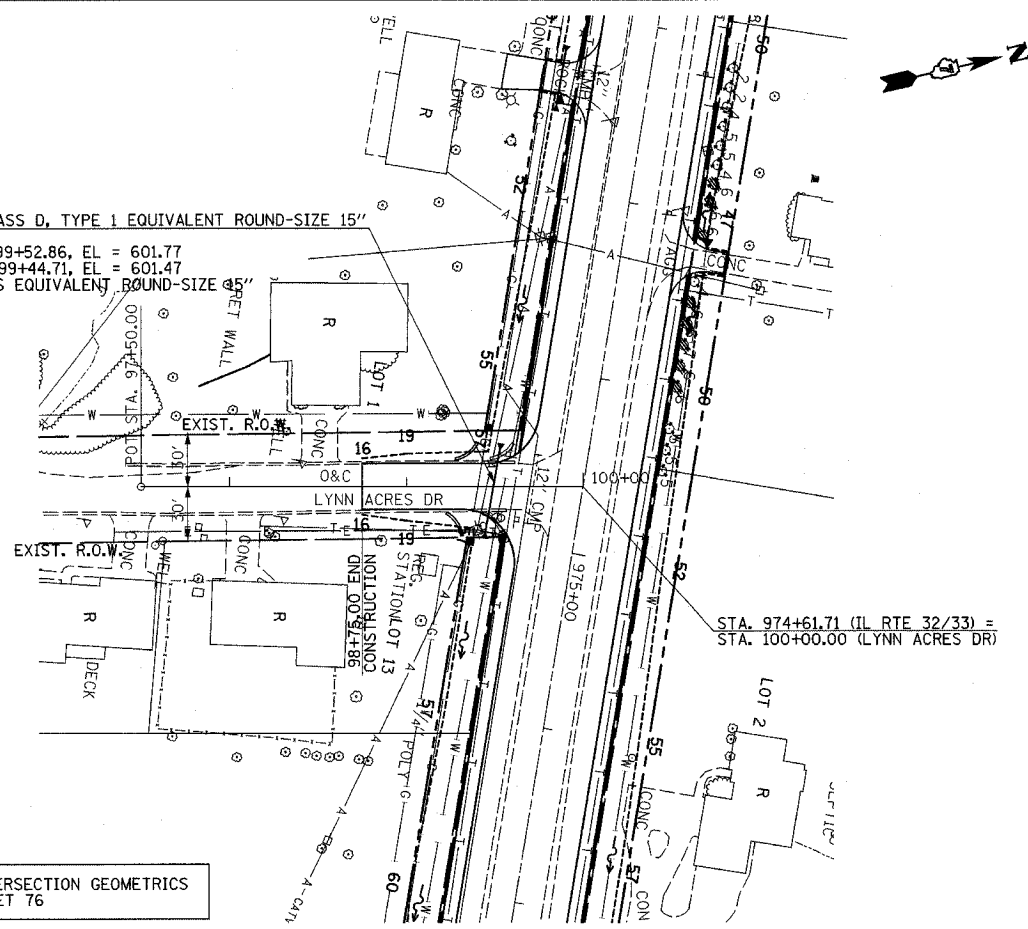
WEBB ST & BRIARWOOD DR PUBLIC ROAD SHEET 2 OF 8



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	69

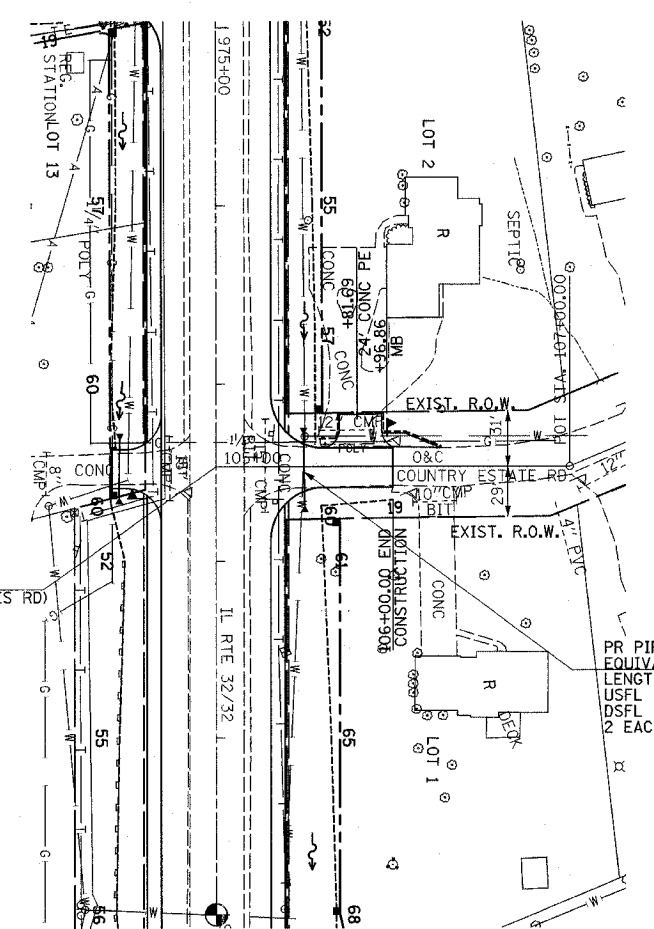
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 • 107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

PR PIPE CULVERT, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"  
 LENGTH = 47'  
 USFL = 21' LT, STA. 99+52.86, EL = 601.77  
 DSFL = 26' RT, STA. 99+44.71, EL = 601.47  
 2 EACH, END SECTIONS EQUIVALENT ROUND-SIZE 15"



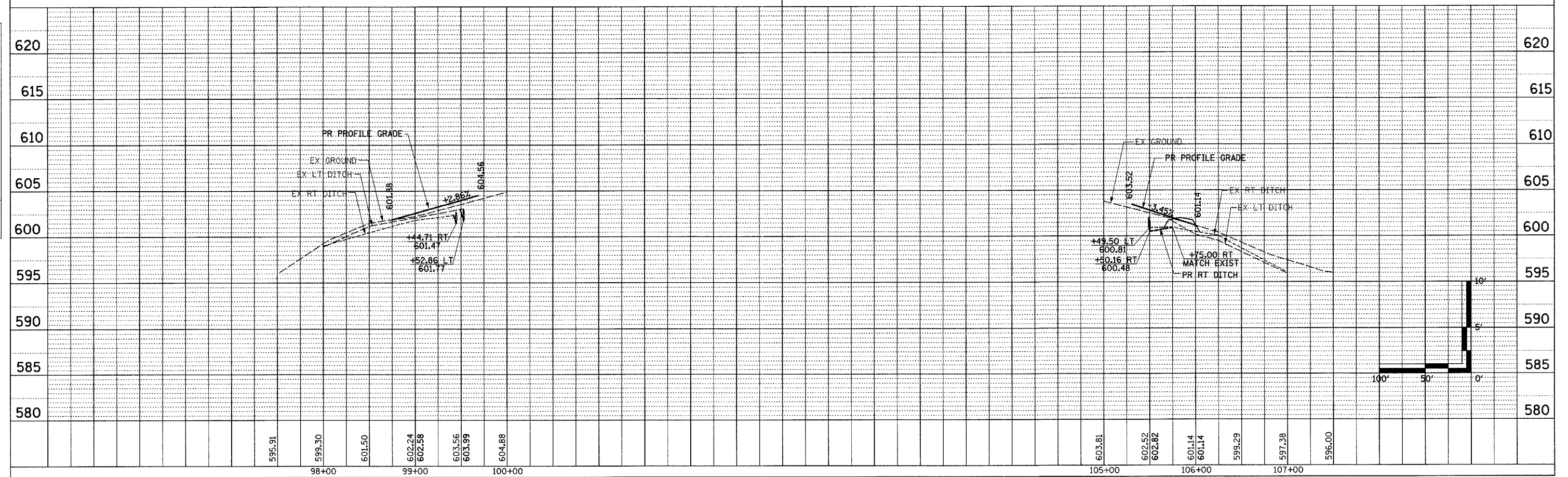
FOR INTERSECTION GEOMETRICS  
SEE SHEET 76

STA. 977+46.69 (IL RTE 32/33) =  
 STA. 105+00.00 (COUNTRY ESTATES RD)



PR PIPE CULVERT, CLASS D, TYPE 1  
 EQUIVALENT ROUND-SIZE 15"  
 LENGTH = 40'  
 USFL = 18' LT, STA. 105+49.50, EL = 600.81  
 DSFL = 22' RT, STA. 105+50.16, EL = 600.48  
 2 EACH, END SECTIONS EQUIVALENT ROUND-SIZE 15"

FOR INTERSECTION GEOMETRICS  
SEE SHEET 76



LYNN ACRES DR & COUNTRY ESTATES RD PUBLIC ROAD SHEET 3 OF 8

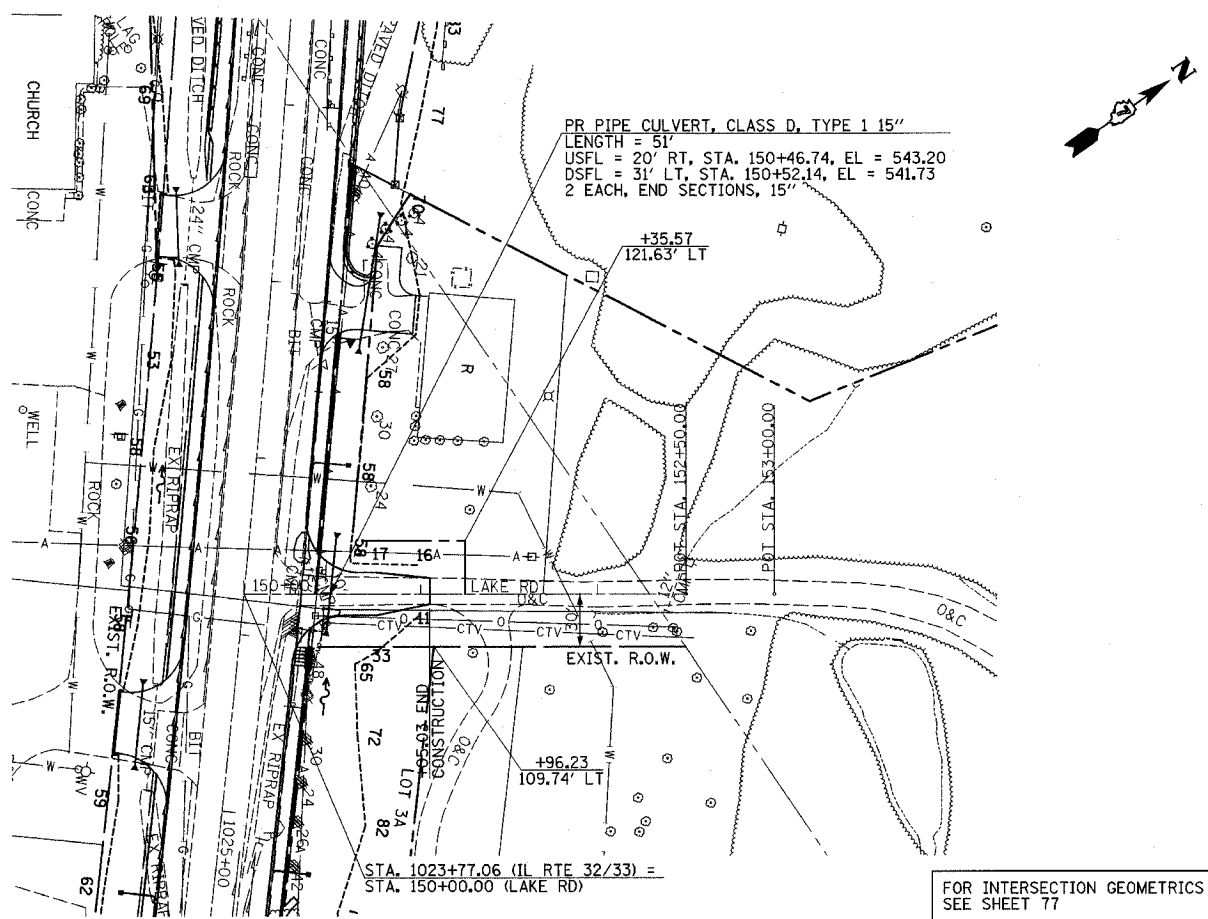








PLAN	SURVEYED	BY	DATE
	NOTE BOOK		
	ALIGNED CHECKED		
	PT. OF WAY CHECKED		
	NO. FILE NAME		



FOR INTERSECTION GEOMETRICS  
SEE SHEET 77

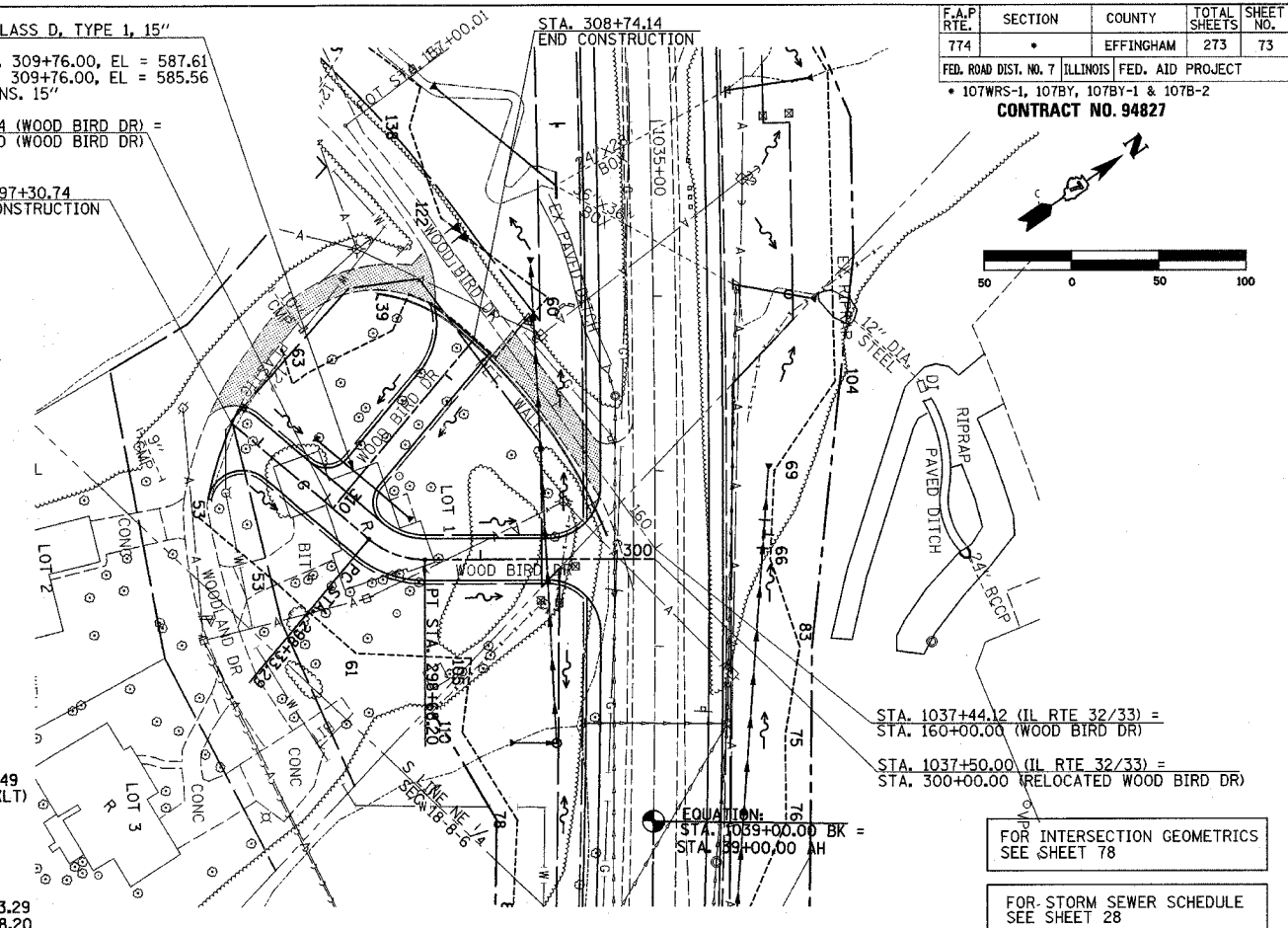
PR PIPE CULVERT, CLASS D, TYPE 1, 15"  
LENGTH = 65'  
USFL = 30' RT, STA. 309+76.00, EL = 587.61  
DSFL = 35' LT, STA. 309+76.00, EL = 585.56  
2 EACH, END SECTIONS, 15'

STA. 298+06.24 (WOOD BIRD DR) =  
STA. 310+00.00 (WOOD BIRD DR)

STA. 297+30.74  
END CONSTRUCTION

PROP. CURVE C61  
PI STA. = 298+51.49  
 $\Delta = 40^\circ 00' 00''$  (LT)  
 $D = 114^\circ 35' 30''$   
R = 50.00'  
T = 18.20'  
E = 34.91'  
M = 3.21'  
P.C. STA = 298+33.29  
P.T. STA = 298+68.20

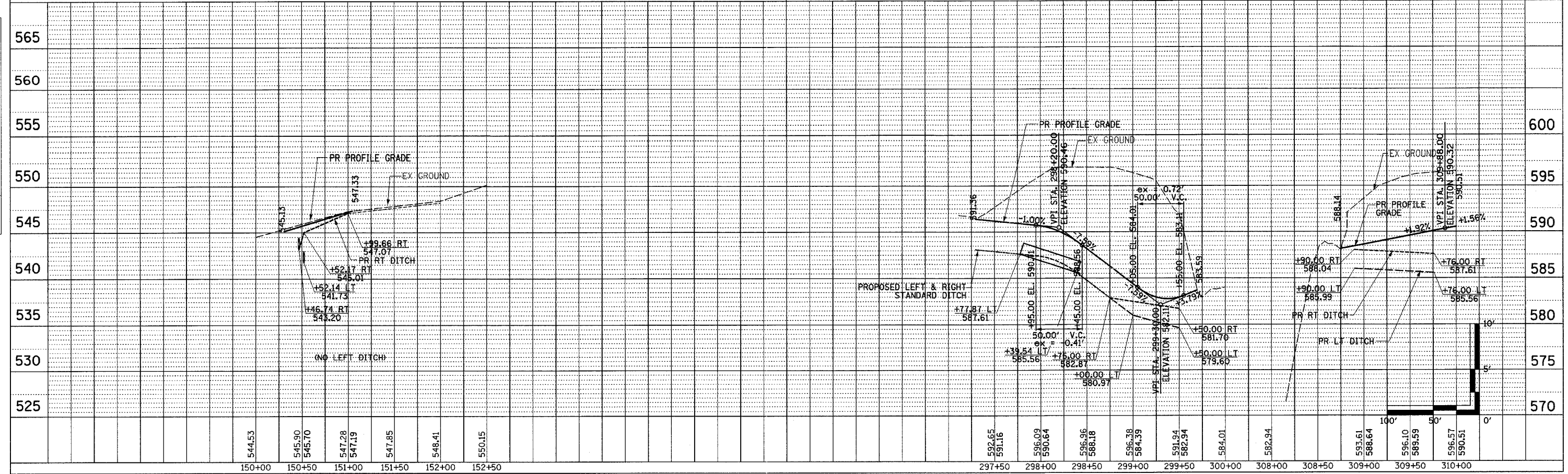
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	73
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



FOR INTERSECTION GEOMETRICS  
SEE SHEET 78

FOR STORM SEWER SCHEDULE  
SEE SHEET 28

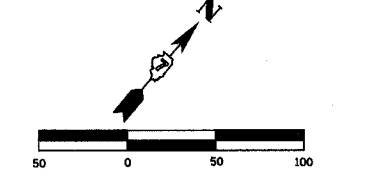
PROFILE	SURVEYED	BY	DATE
	NOTE BOOK		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



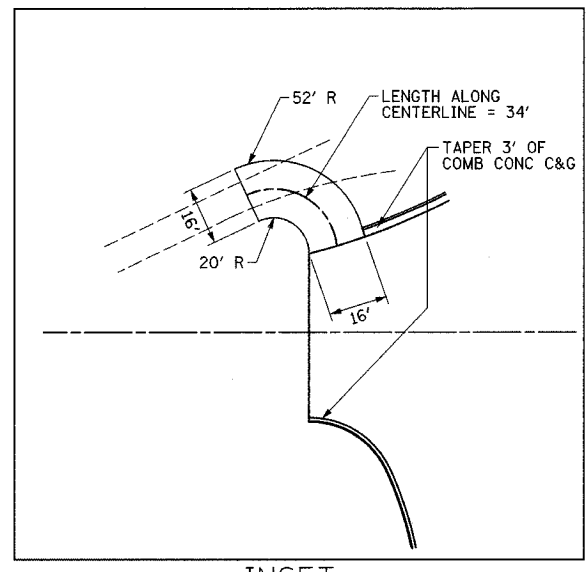
LAKE RD & WOOD BIRD DR PUBLIC ROAD SHEET 7 OF 8

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	74

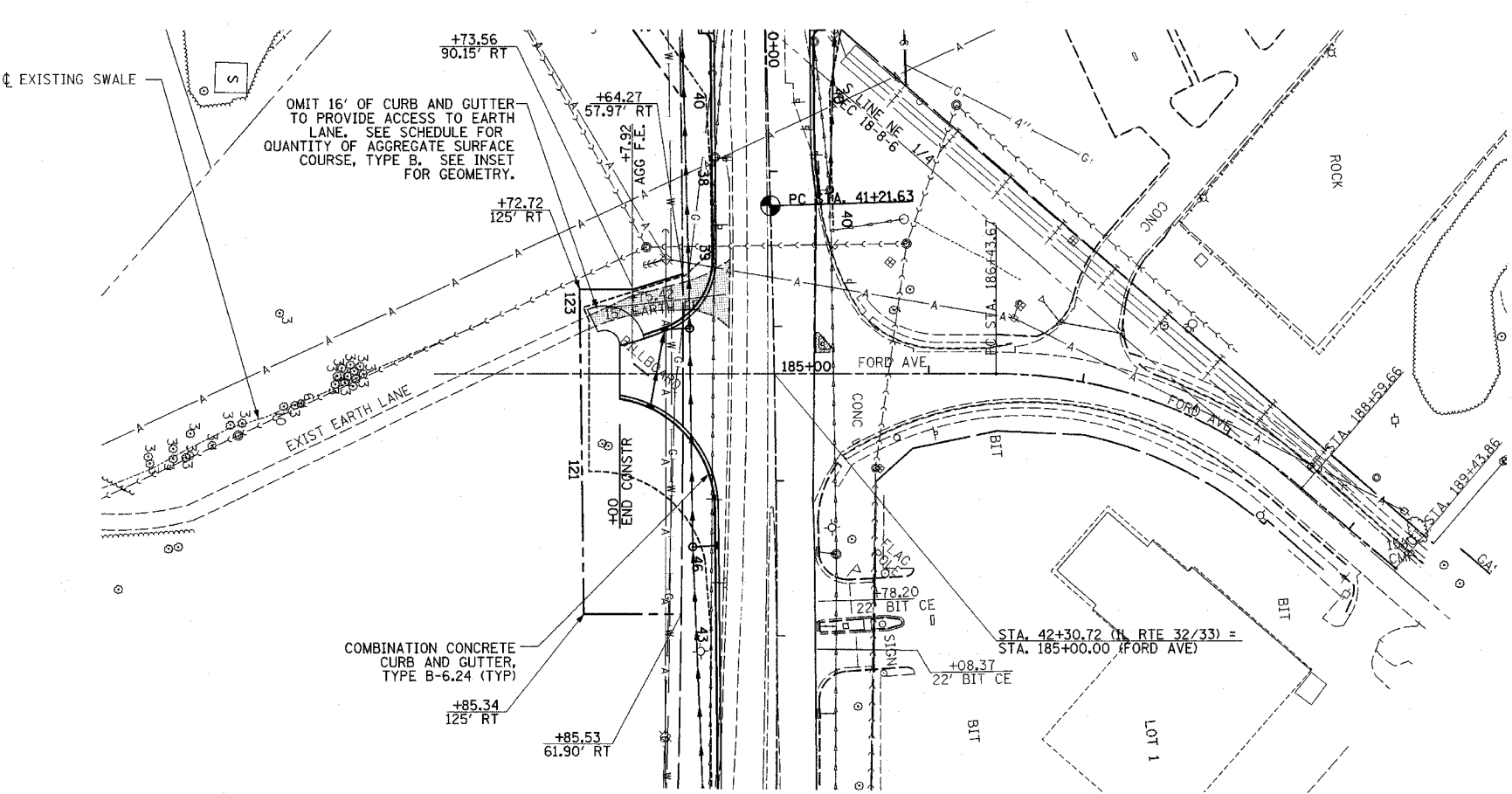
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \* 107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**



PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NO.	



INSET

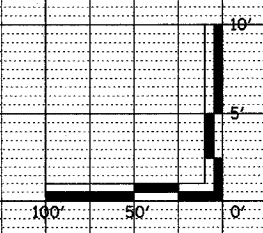
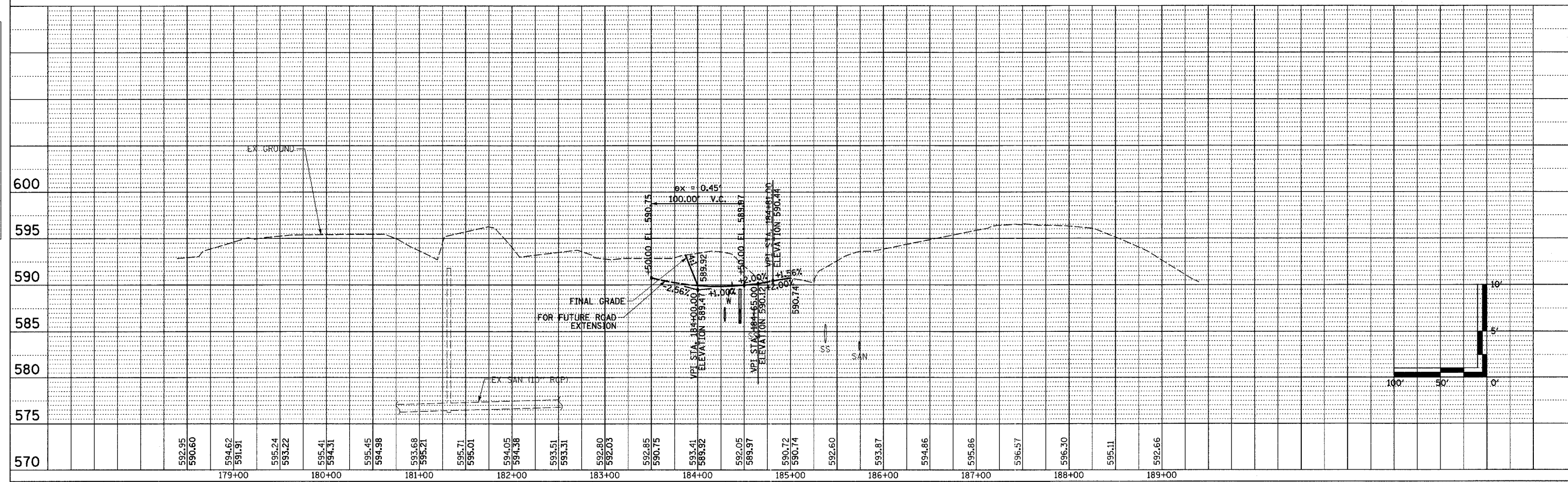


PROP CURVE C13  
 PI STA. = 187+56.58  
 $\Delta = 41^\circ 14' 58''$  (RT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 112.91'$   
 $L = 215.98'$   
 $E = 20.54'$   
 $e = N/C$   
 P.C. STA. = 186+43.67  
 P.T. STA. = 188+59.66

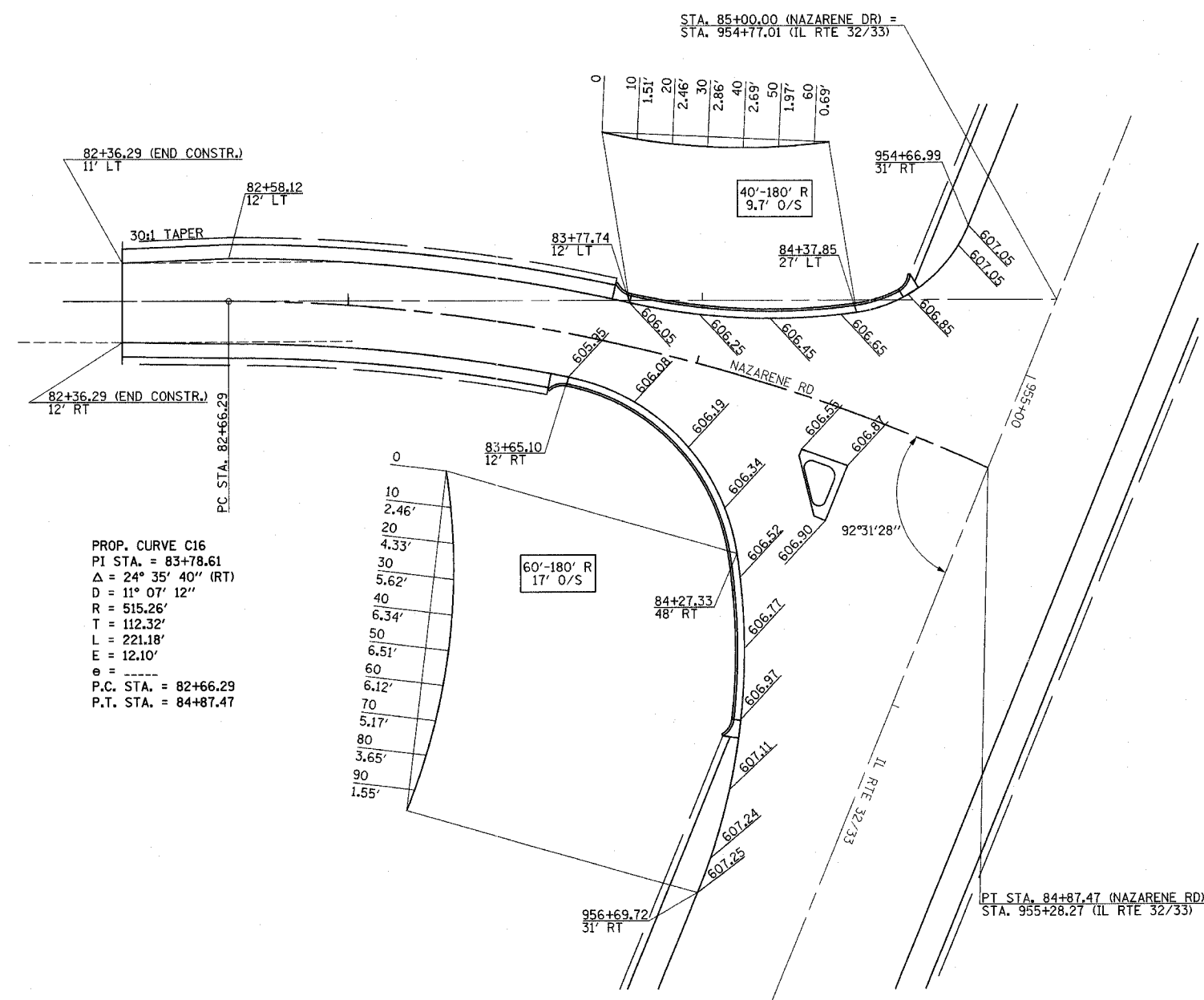
FOR INTERSECTION GEOMETRICS  
 SEE SHEET 79

FOR STORM SEWER SCHEDULE  
 SEE SHEET 28

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
BY	
NO.	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	75
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



PROP. CURVE C16  
 PI STA. = 83+78.61  
 $\Delta = 24^\circ 35' 40''$  (RT)  
 $D = 11^\circ 07' 12''$   
 $R = 515.26'$   
 $T = 112.32'$   
 $L = 221.18'$   
 $E = 12.10'$   
 $e = \text{-----}$   
 P.C. STA. = 82+66.29  
 P.T. STA. = 84+87.47

- 0
- 10 2.46'
- 20 4.33'
- 30 5.62'
- 40 6.34'
- 50 6.51'
- 60 6.12'
- 70 5.17'
- 80 3.65'
- 90 1.55'

**LEGEND**  
 XXXXX INDICATES PROPOSED GRADE ELEVATION  
 INTERVAL AROUND CURVES IS 20'  
 UNLESS NOTED

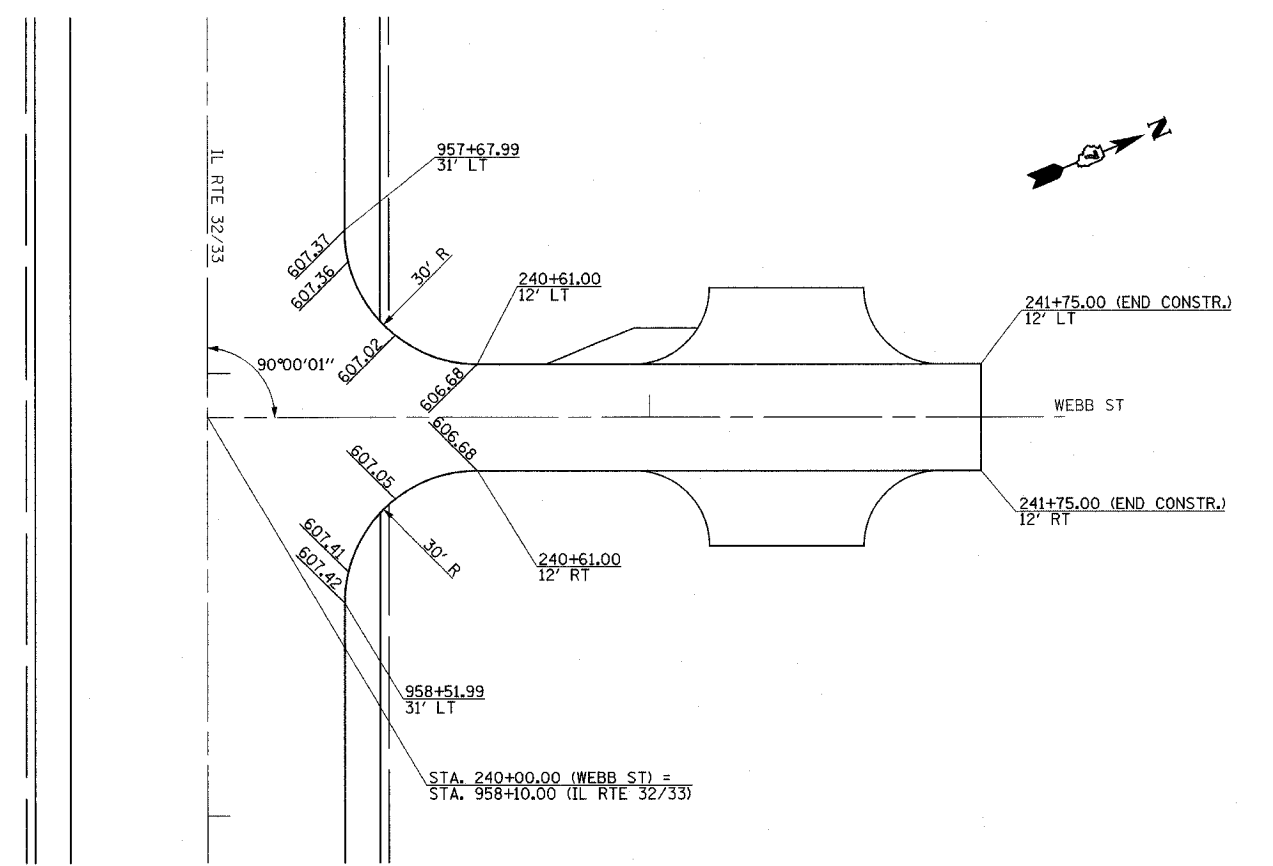
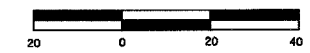
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 1 OF 5  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

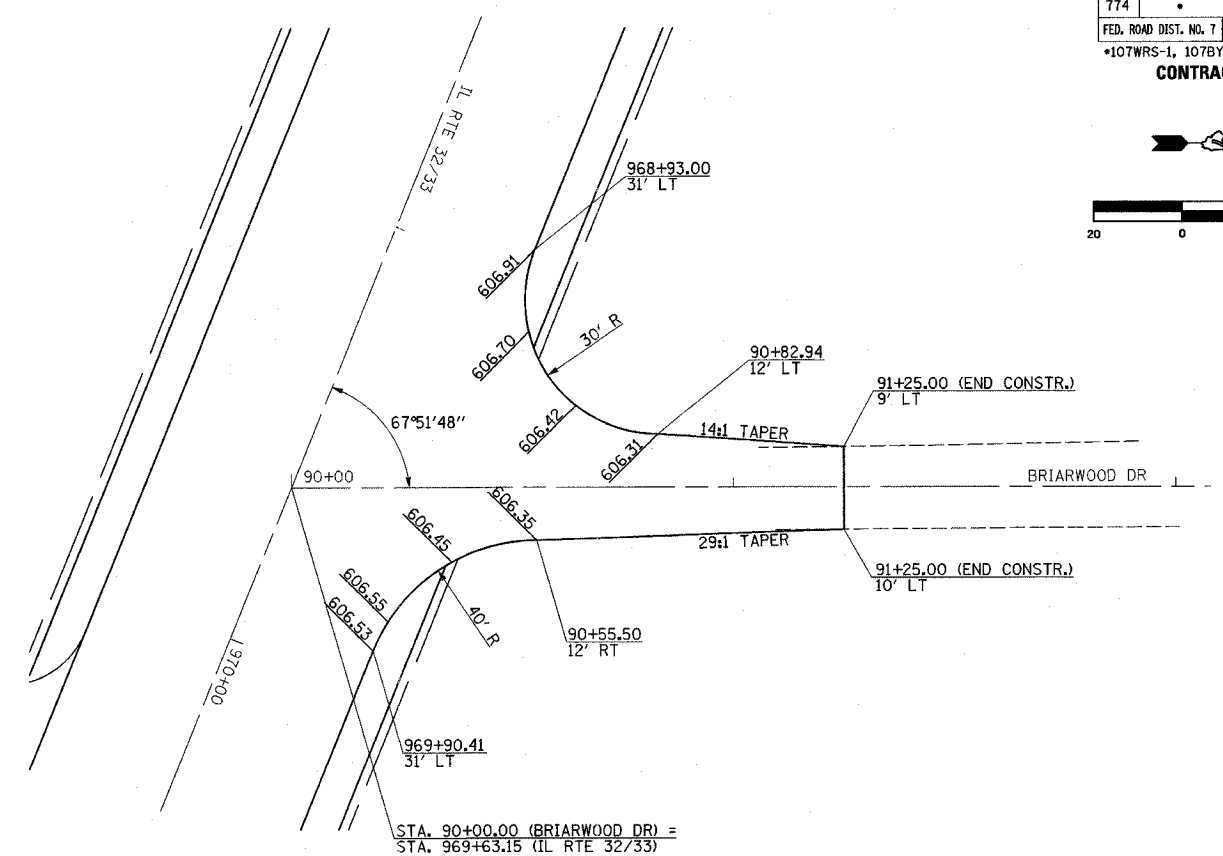
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	76

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2

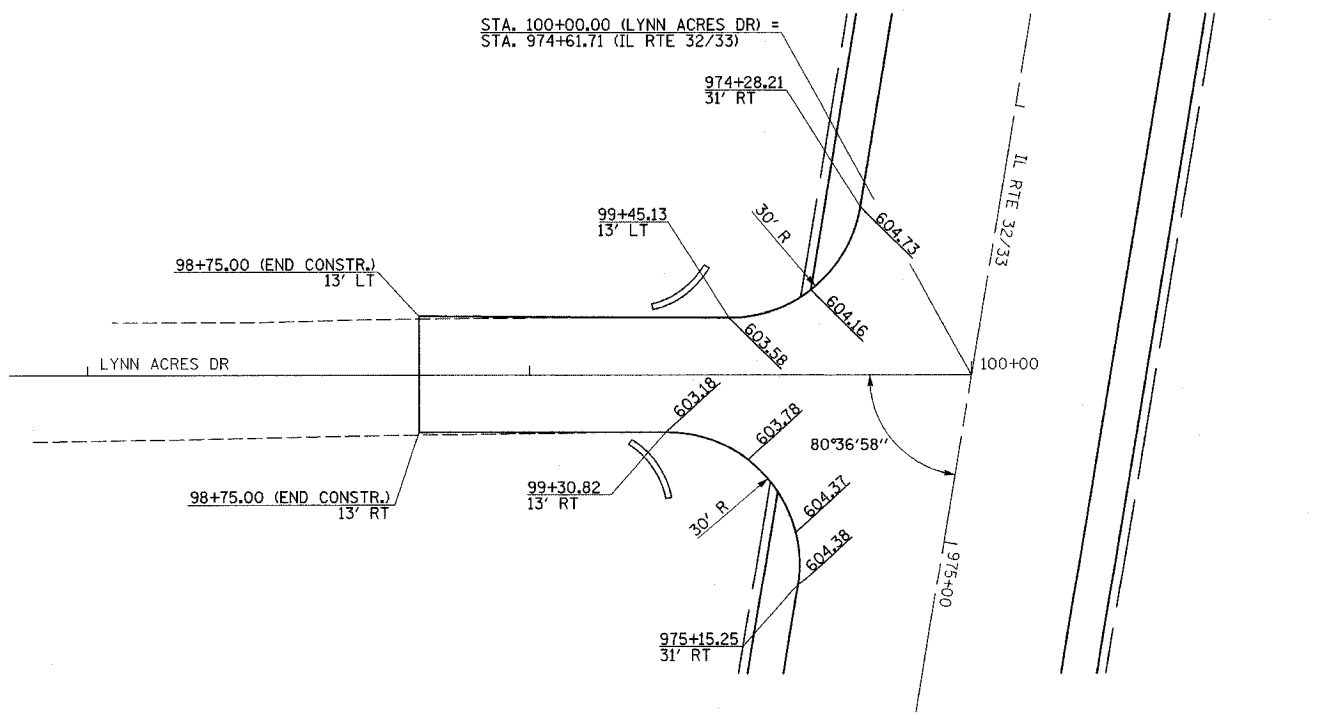
CONTRACT NO. 94827



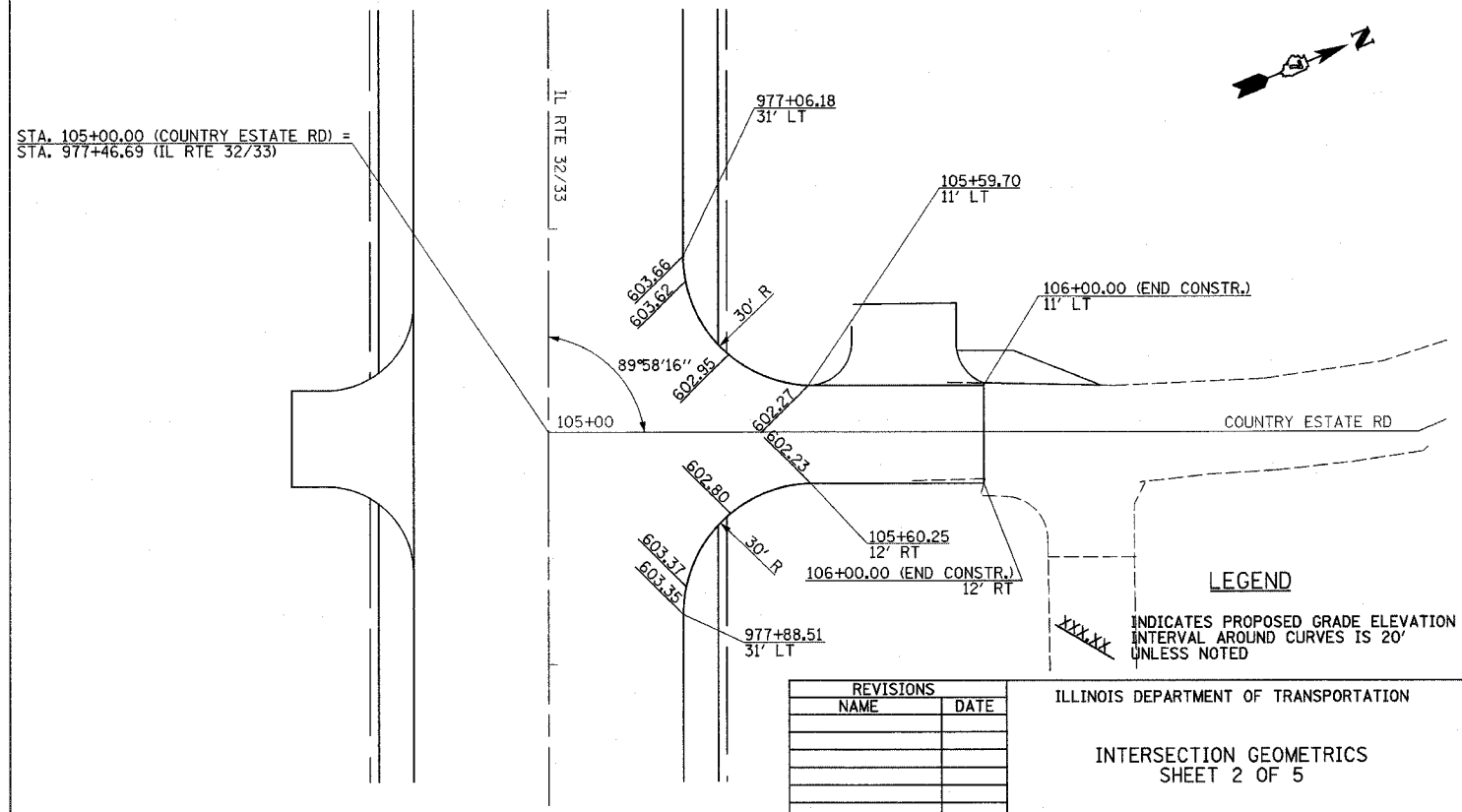
WEBB ST



BRIARWOOD DR



LYNN ACRES DR



COUNTRY ESTATE RD

**LEGEND**  
 XXXXX INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

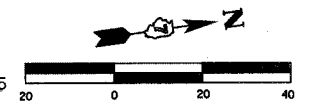
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 2 OF 5  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



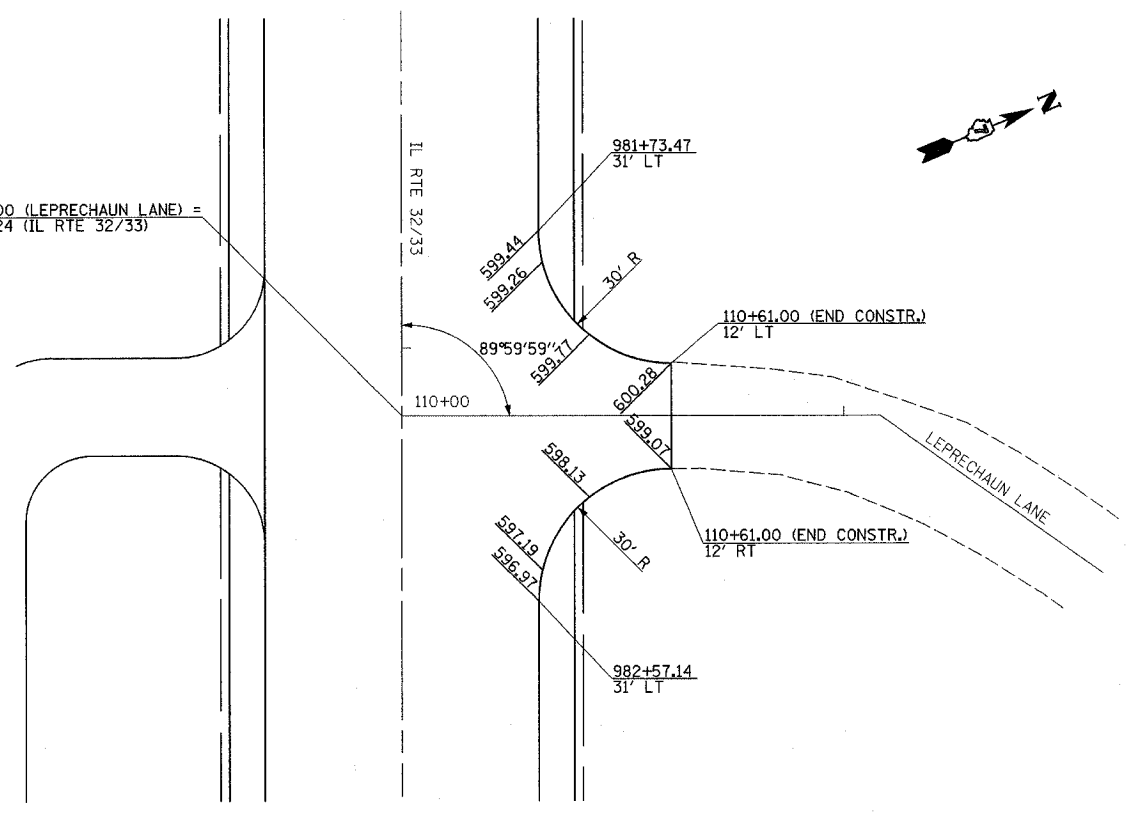
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	77

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2

CONTRACT NO. 94827

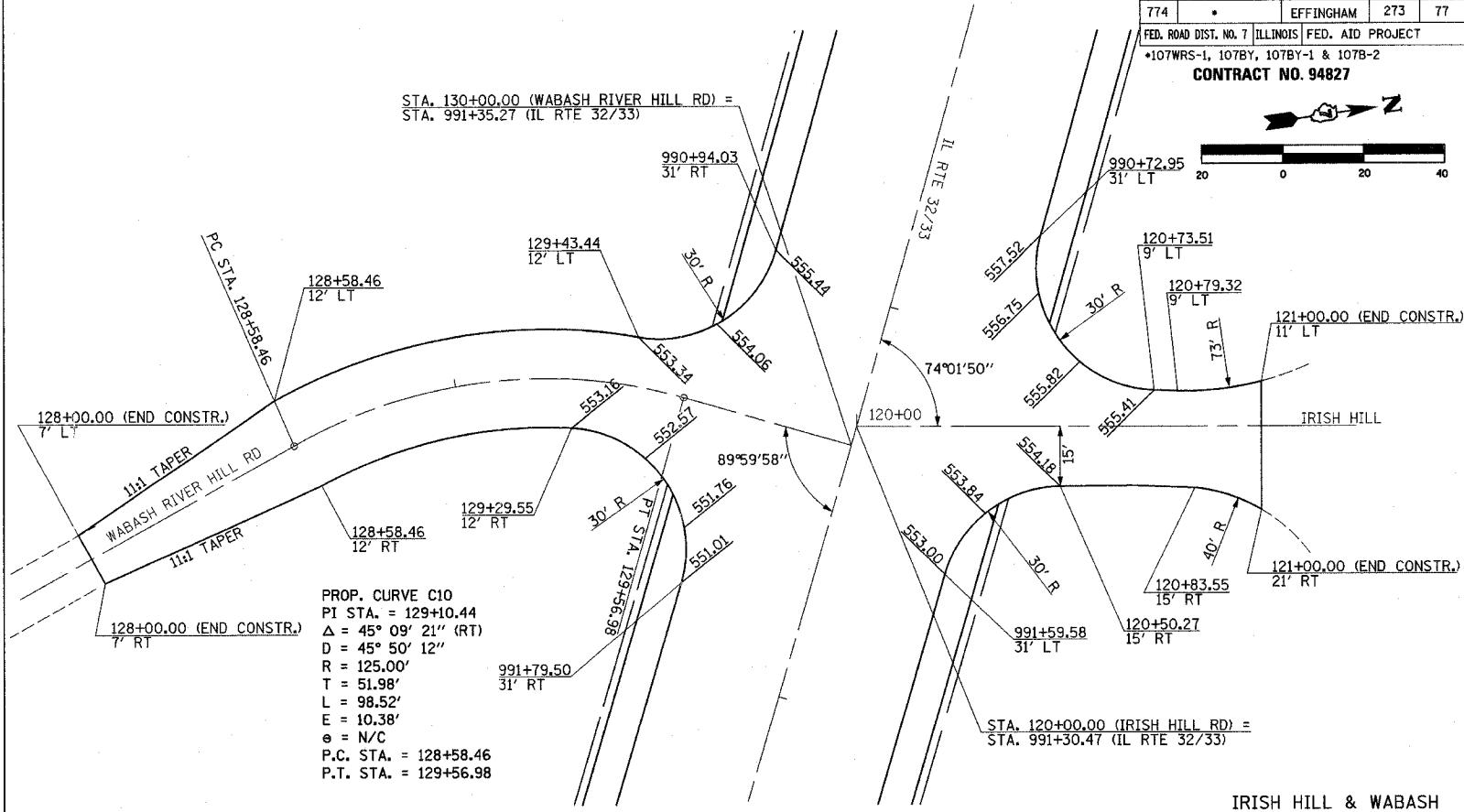


STA. 110+00.00 (LEPRECHAUN LANE) =  
 STA. 982+15.24 (IL RTE 32/33)



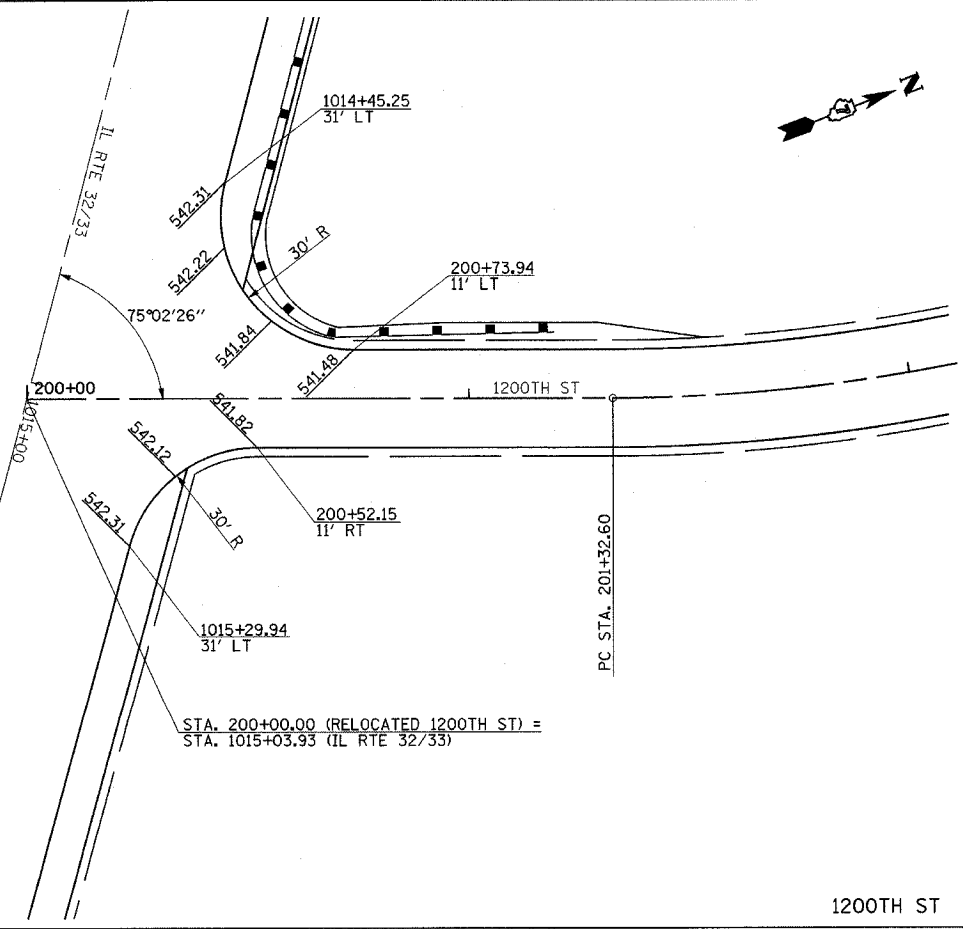
LEPRECHAUN LANE

STA. 130+00.00 (WABASH RIVER HILL RD) =  
 STA. 991+35.27 (IL RTE 32/33)



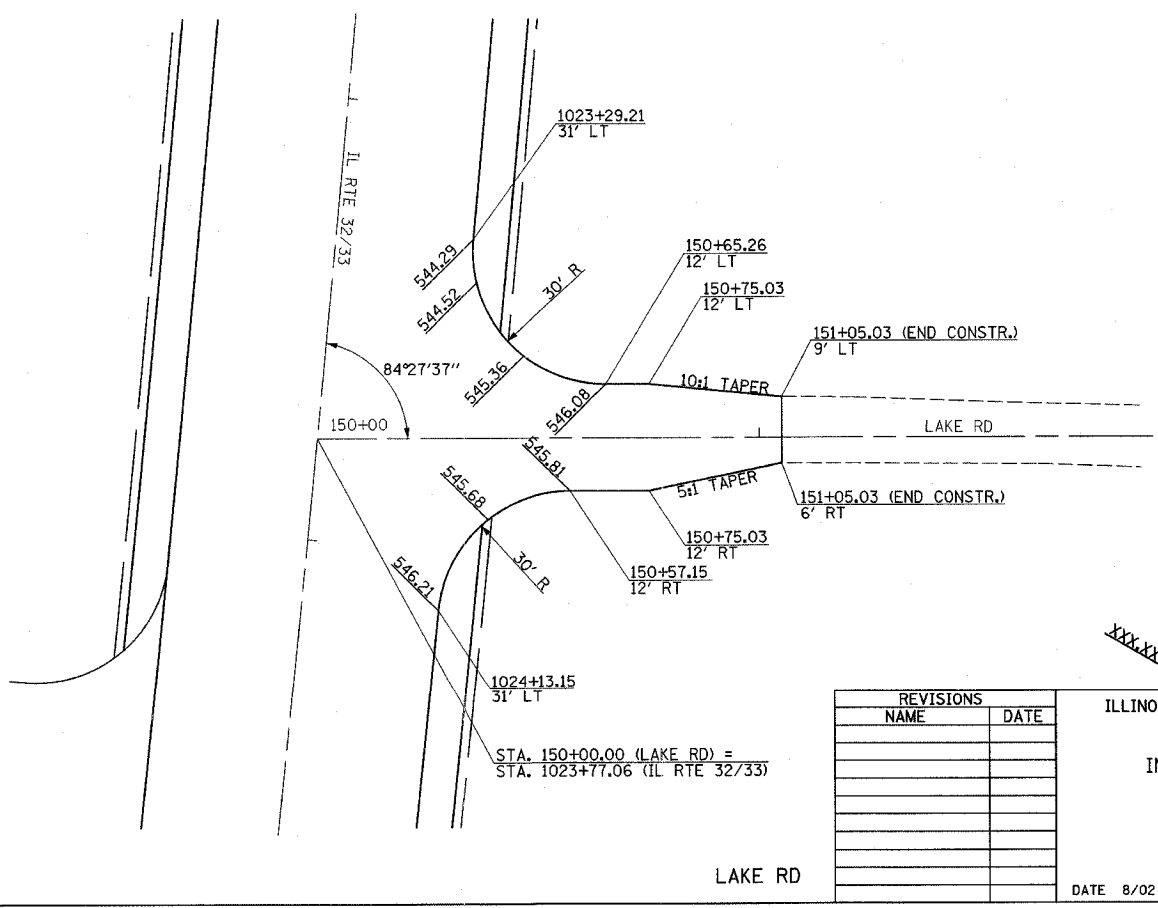
IRISH HILL & WABASH

STA. 200+00.00 (RELOCATED 1200TH ST) =  
 STA. 1015+03.93 (IL RTE 32/33)



1200TH ST

STA. 150+00.00 (LAKE RD) =  
 STA. 1023+77.06 (IL RTE 32/33)



LAKE RD

**LEGEND**  
 XXXXX INDICATES PROPOSED GRADE ELEVATION  
 INTERVAL AROUND CURVES IS 20'  
 UNLESS NOTED

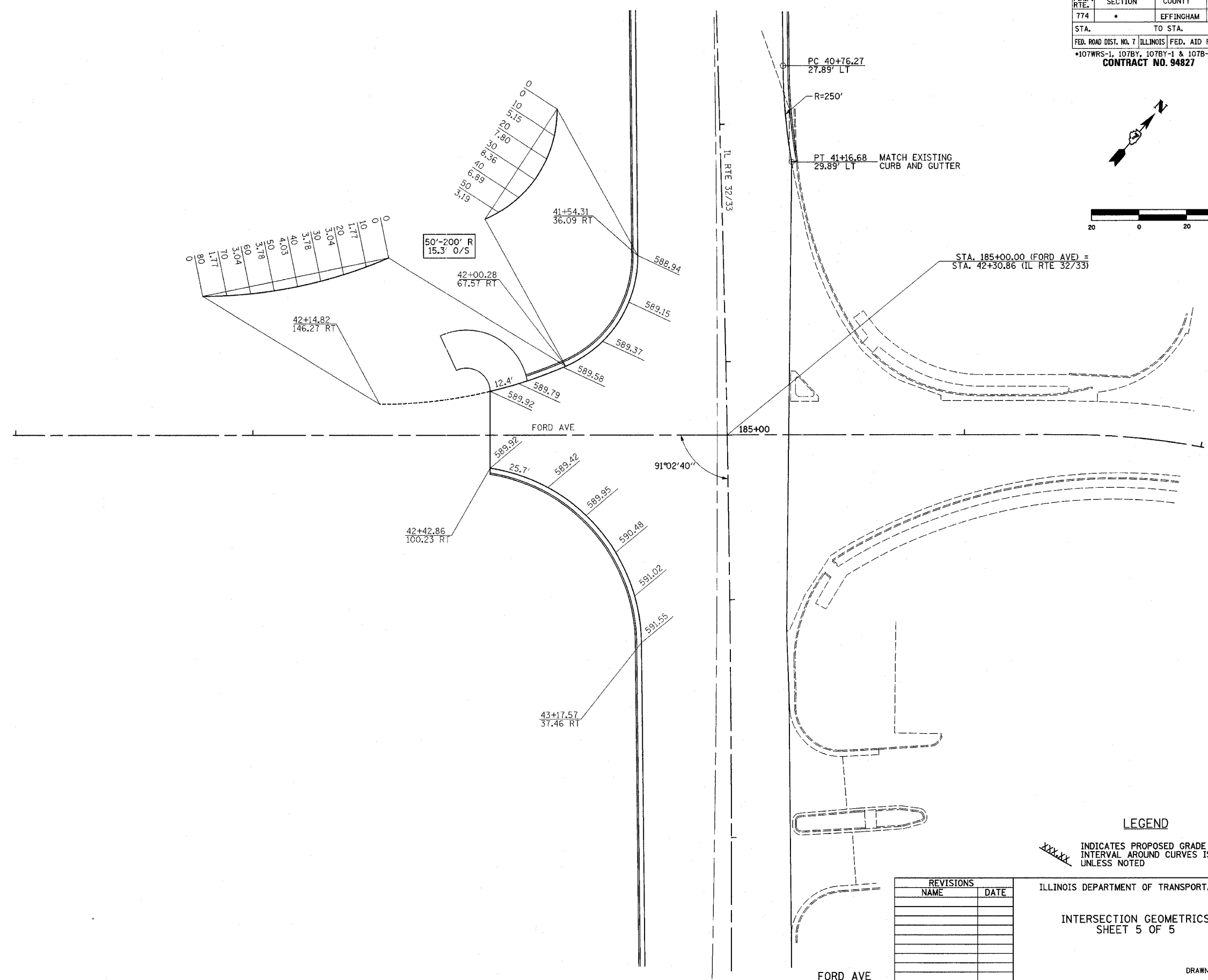
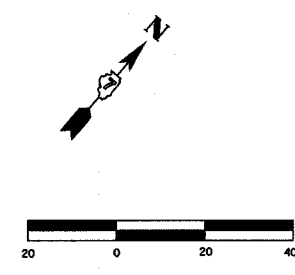
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 3 OF 5

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	79
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



**LEGEND**  
 XXXXX INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 5 OF 5  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

CONTRACT NO. 94827

LOCATION	EPOXY PAVEMENT MARKING							RAISED REFLECTIVE PAVEMENT MARKERS		
	LETTERS AND SYMBOLS	YELLOW 4"	WHITE 4"	WHITE 6"	YELLOW 12"	WHITE 12"	WHITE 24"	ONE WAY CRYSTAL EACH	ONE WAY AMBER EACH	TWO WAY AMBER EACH
STATION TO STATION	SQ. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.			
¢ 942+50 TO ¢ 955+69		4988		2190	92		489	16	62	
RT 942+50 TO RT 955+69				2269	92		352			
LT 942+50 TO LT 955+69							352			
¢ 955+69 TO ¢ 970+00		3699						77	51	16
RT 955+69 TO RT 970+00				1286	340					
LT 955+69 TO LT 970+00				1566	340					
¢ 955+86	15.6 (TURN ARROW)									
¢ 956+10	20.8 (ONLY)									
¢ 956+97	15.6 (TURN ARROW)									
¢ 957+21	20.8 (ONLY)									
¢ 958+07	15.6 (TURN ARROW)									
¢ 958+31	20.8 (ONLY)									
¢ 962+99	31.2 (2WLT)									
¢ 965+99	31.2 (2WLT)									
¢ 968+99	31.2 (2WLT)									
¢ 970+00 TO ¢ 975+00		1064						24	22	
RT 970+00 TO RT 975+00				462	116					
LT 970+00 TO LT 975+00				462	116					
¢ 970+40	31.2 (2WLT)									
¢ 972+22	31.2 (2WLT)									
¢ 974+03	31.2 (2WLT)									
¢ 975+00 TO ¢ 977+84		455						12	10	
RT 975+00 TO RT 977+84				237	62					
LT 975+00 TO LT 977+84				238	62					
¢ 975+39	31.2 (2WLT)									
¢ 976+91	31.2 (2WLT)									
¢ 977+84 TO ¢ 982+52		990						22	20	
RT 977+84 TO RT 982+52				427	108					
LT 977+84 TO LT 982+52				426	108					
¢ 978+23	31.2 (2WLT)									
¢ 979+90	31.2 (2WLT)									
¢ 981+58	31.2 (2WLT)									
¢ 982+52 TO ¢ 991+74		2156						43	40	
RT 982+52 TO RT 991+74				836	206					
LT 982+52 TO LT 991+74				836	206					
¢ 982+92	31.2 (2WLT)									
¢ 985+47	31.2 (2WLT)									
¢ 988+02	31.2 (2WLT)									
¢ 990+78	31.2 (2WLT)									
¢ 991+74 TO ¢ 1015+40		5750						116	114	
RT 991+74 TO RT 1015+40				2316	582					
LT 991+74 TO LT 1015+40				2316	583					
¢ 992+13	31.2 (2WLT)									
¢ 995+13	31.2 (2WLT)									
¢ 998+13	31.2 (2WLT)									
¢ 1001+13	31.2 (2WLT)									
¢ 1004+13	31.2 (2WLT)									
¢ 1007+13	31.2 (2WLT)									
¢ 1014+47	31.2 (2WLT)									
¢ 1015+80	31.2 (2WLT)									
¢ 1015+40 TO ¢ 1016+00		151						4	4	
RT 1015+40 TO RT 1016+00				60	15					
LT 1015+40 TO LT 1016+00				60	15					
NAZARENE ROAD										
¢ 82+36 TO ¢ 84+56		43								2
RT 82+36 TO RT 84+56				136	142		77	30		
LT 82+36 TO LT 84+56				136						
RURAL TOTALS	826.8	19,296	16,259	3,185	489	781	30	314	323	18

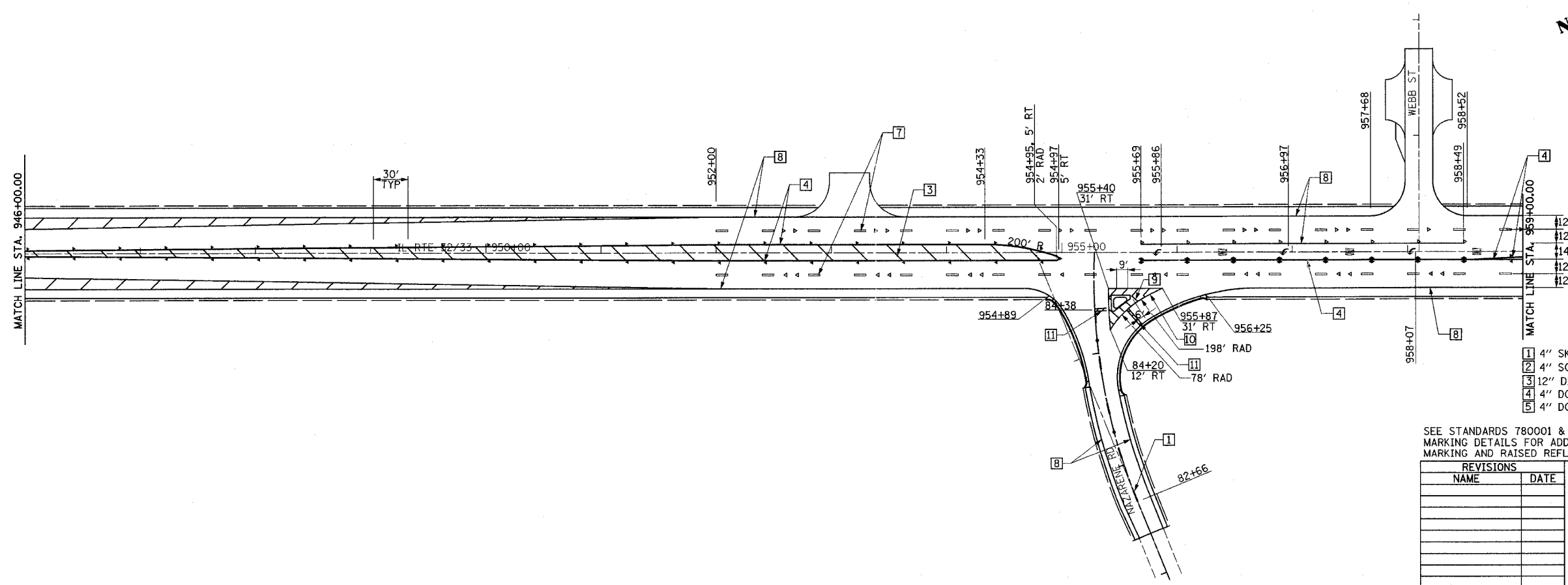
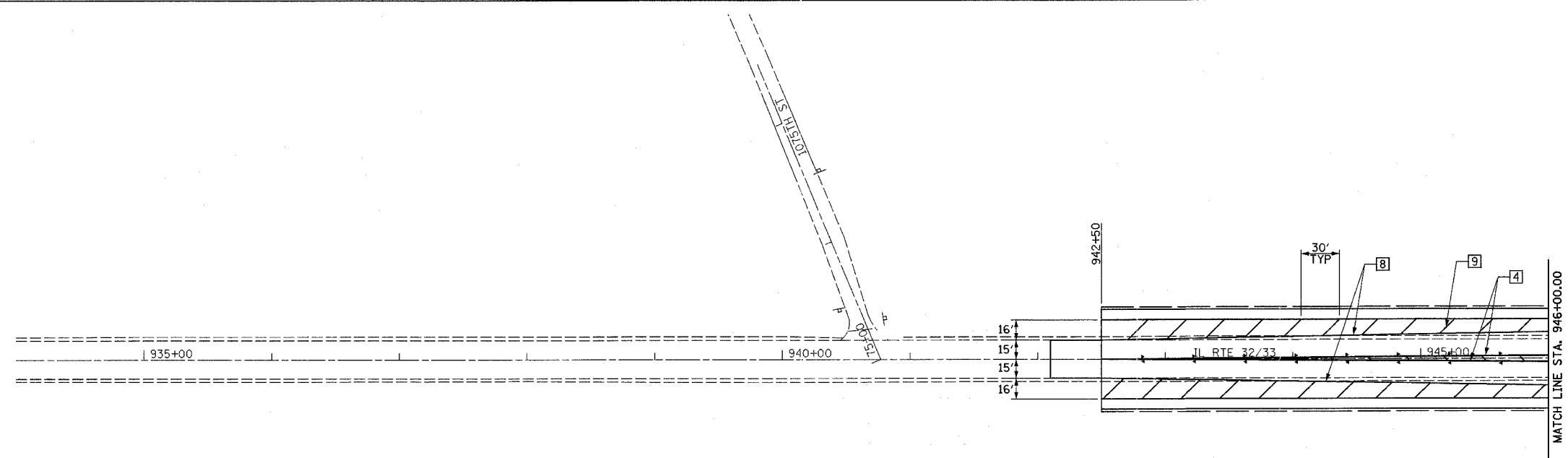
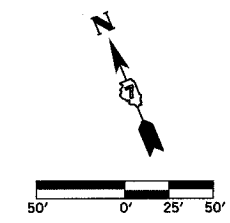
LOCATION	EPOXY PAVEMENT MARKING							RAISED REFLECTIVE PAVEMENT MARKERS		
	LETTERS AND SYMBOLS	YELLOW 4"	WHITE 4"	WHITE 6"	YELLOW 12"	WHITE 12"	WHITE 24"	ONE WAY CRYSTAL EACH	ONE WAY AMBER EACH	TWO WAY AMBER EACH
STATION TO STATION	SQ. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.			
¢ 1016+00 TO ¢ 1024+19		1851						38	36	
RT 1016+00 TO RT 1024+19				771	194					
LT 1016+00 TO LT 1024+19				771	195					
¢ 1020+73	31.2 (2WLT)									
¢ 1023+19	31.2 (2WLT)									
¢ 1024+19 TO ¢ 42+75		4624						42	91	10
RT 1024+19 TO RT 42+75				1720	429					
LT 1024+19 TO LT 42+75				1555	430					
¢ 40+27	20.8 (ONLY)									
¢ 40+51	15.6 (TURN ARROW)									
¢ 41+33	20.8 (ONLY)									
¢ 41+57	15.6 (TURN ARROW)									
¢ 1024+54	31.2 (2WLT)									
¢ 1027+54	31.2 (2WLT)									
¢ 1030+54	31.2 (2WLT)									
¢ 1033+54	31.2 (2WLT)									
¢ 1036+92	31.2 (2WLT)									
¢ 1038+09	31.2 (2WLT)									
¢ 42+93 TO ¢ 46+80				147				50	24	10
RT 42+93 TO RT 46+80				1317						
LT 42+93 TO LT 46+80										
¢ 43+11	15.6 (TURN ARROW)									
¢ 43+35	20.8 (ONLY)									
¢ 43+98	15.6 (TURN ARROW)									
¢ 44+22	20.8 (ONLY)									
FORD AVENUE										
RT 184+43								30		
RT 185+48 TO RT 185+48										
LT 185+55										
URBAN TOTALS	395.2	7,792	4,964	1,446	0	0	152	153	126	18
TOTALS	1,222.0	27,088	21,223	4,631	489	781	182	467	449	36
GRAND TOTALS	1,222.0	48,311	4,631	1,270			182		952	

\*DGN-SPEC\*  
\*DATE\*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING SCHEDULE  
PAVEMENT MARKING PLAN  
SHEET 1 OF 6  
DRAWN BY NJV  
CHECKED BY RMD  
DATE 3/03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	81
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



- LEGEND**
- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
  - RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
  - RAISED REFL PAVT MKR CRYSTAL BIDIRECTIONAL
  - RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
  - ITEM [4] DOUBLE YELLOW (NARROW)
  - ITEM [5] DOUBLE YELLOW (WIDE)

- TYPICAL PAVEMENT MARKING LEGEND**
- [1] 4" SKIP-DASH YELLOW
  - [2] 4" SOLID YELLOW
  - [3] 12" DIAGONAL YELLOW
  - [4] 4" DOUBLE YELLOW NARROW
  - [5] 4" DOUBLE YELLOW WIDE
  - [7] 6" SKIP-DASH WHITE
  - [8] 4" SOLID WHITE
  - [9] 12" DIAGONAL WHITE
  - [10] 6" SOLID WHITE
  - [11] 24" STOP BAR WHITE

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

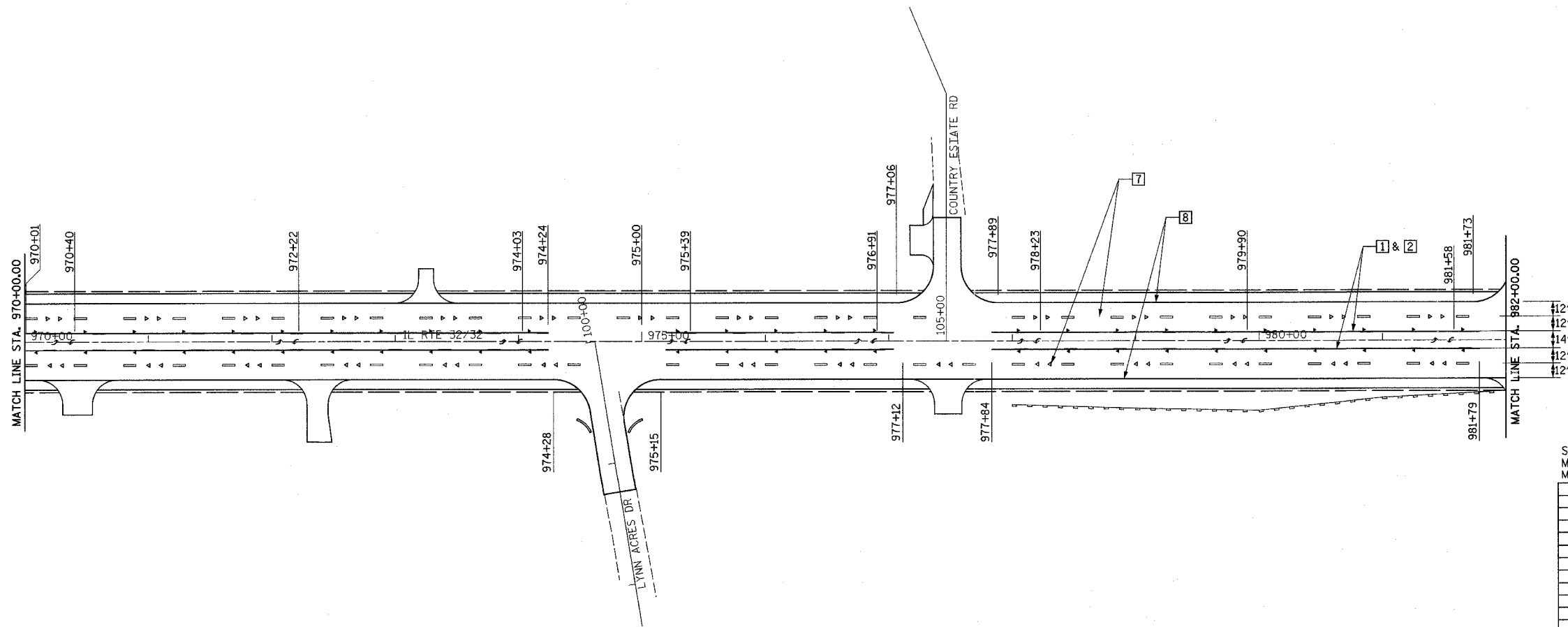
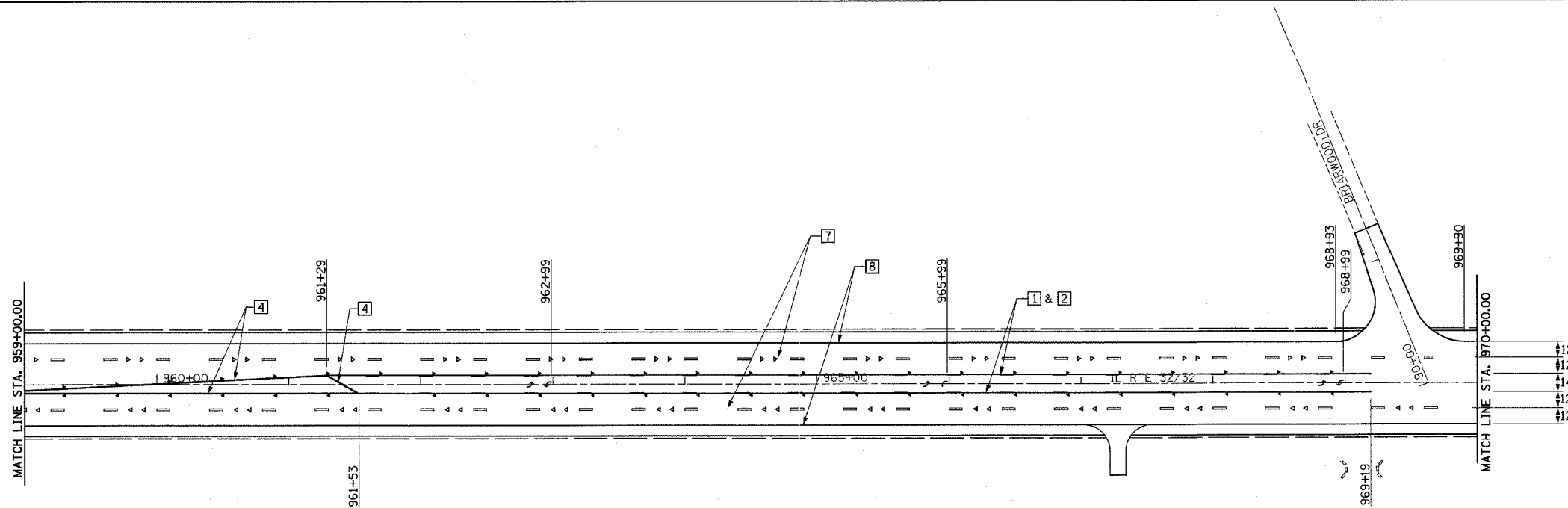
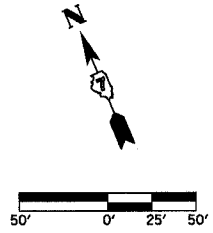
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING PLAN**  
SHEET 2 OF 6

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	82
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



- LEGEND**
- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
  - RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
  - RAISED REFL PAVT MKR CRYSTAL BIDIRECTIONAL
  - RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
  - ITEM 4 DOUBLE YELLOW (NARROW)
  - ITEM 5 DOUBLE YELLOW (WIDE)

- TYPICAL PAVEMENT MARKING LEGEND**
- |                           |                       |
|---------------------------|-----------------------|
| 1 4" SKIP-DASH YELLOW     | 7 6" SKIP-DASH WHITE  |
| 2 4" SOLID YELLOW         | 8 4" SOLID WHITE      |
| 3 12" DIAGONAL YELLOW     | 9 12" DIAGONAL WHITE  |
| 4 4" DOUBLE YELLOW NARROW | 10 6" SOLID WHITE     |
| 5 4" DOUBLE YELLOW WIDE   | 11 24" STOP BAR WHITE |

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

REVISIONS	
NAME	DATE

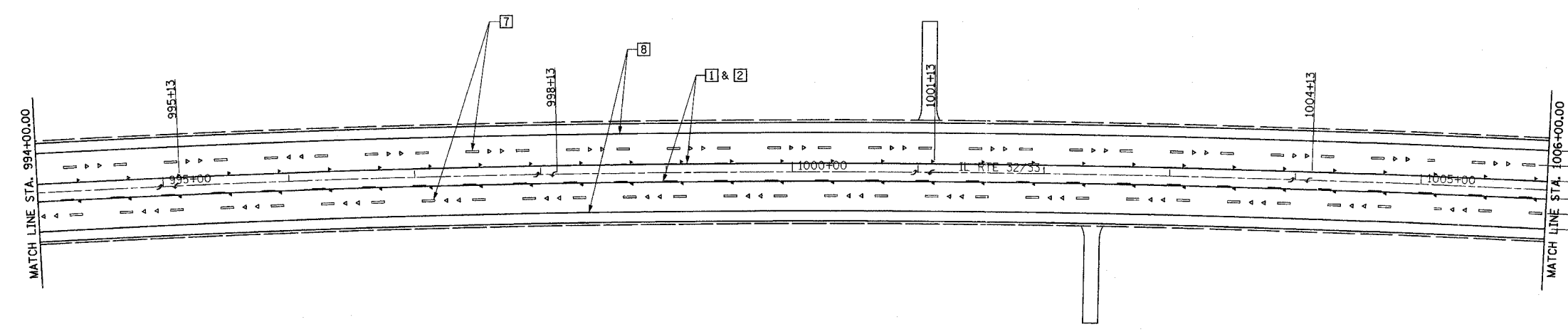
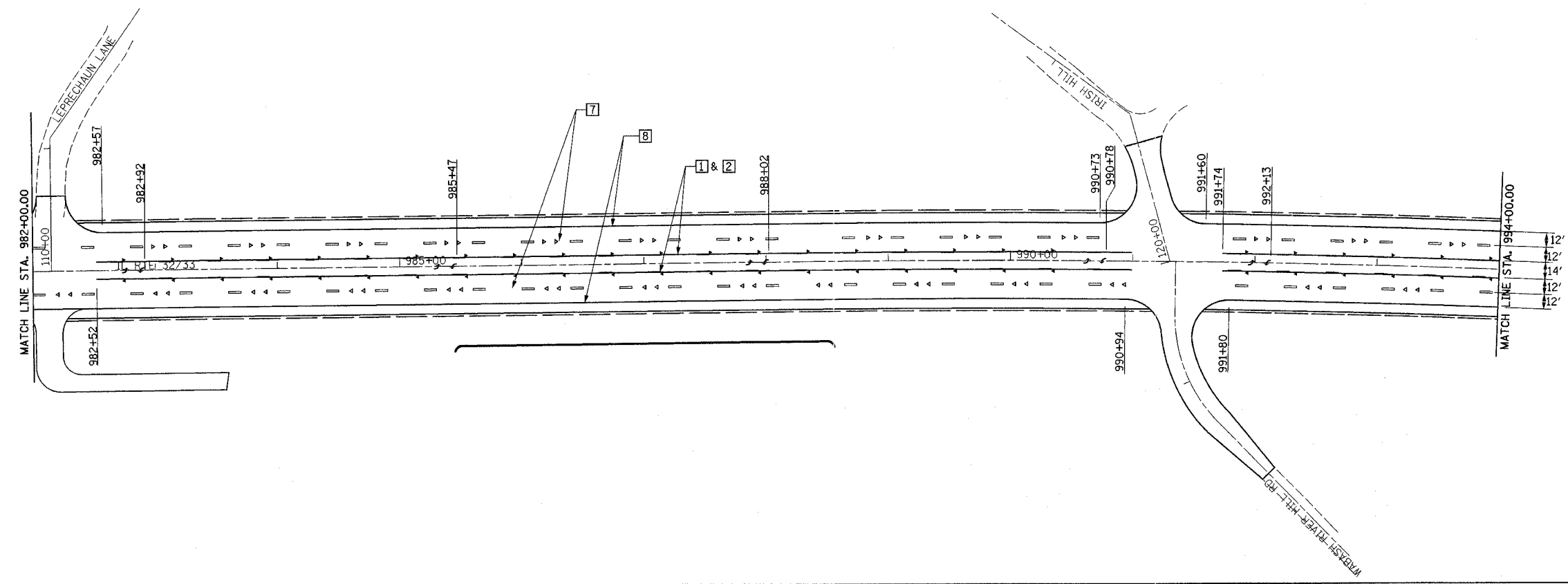
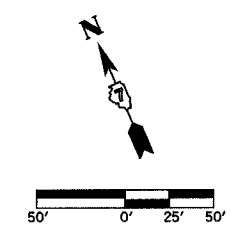
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
SHEET 3 OF 6

DATE 8/02

DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	.	EFFINGHAM	273	83
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



**LEGEND**

- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
- RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL BIDIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
- ITEM 4 DOUBLE YELLOW (NARROW)
- ITEM 5 DOUBLE YELLOW (WIDE)

**TYPICAL PAVEMENT MARKING LEGEND**

- |                           |                       |
|---------------------------|-----------------------|
| 1 4" SKIP-DASH YELLOW     | 7 6" SKIP-DASH WHITE  |
| 2 4" SOLID YELLOW         | 8 4" SOLID WHITE      |
| 3 12" DIAGONAL YELLOW     | 9 12" DIAGONAL WHITE  |
| 4 4" DOUBLE YELLOW NARROW | 10 6" SOLID WHITE     |
| 5 4" DOUBLE YELLOW WIDE   | 11 24" STOP BAR WHITE |

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

REVISIONS	
NAME	DATE

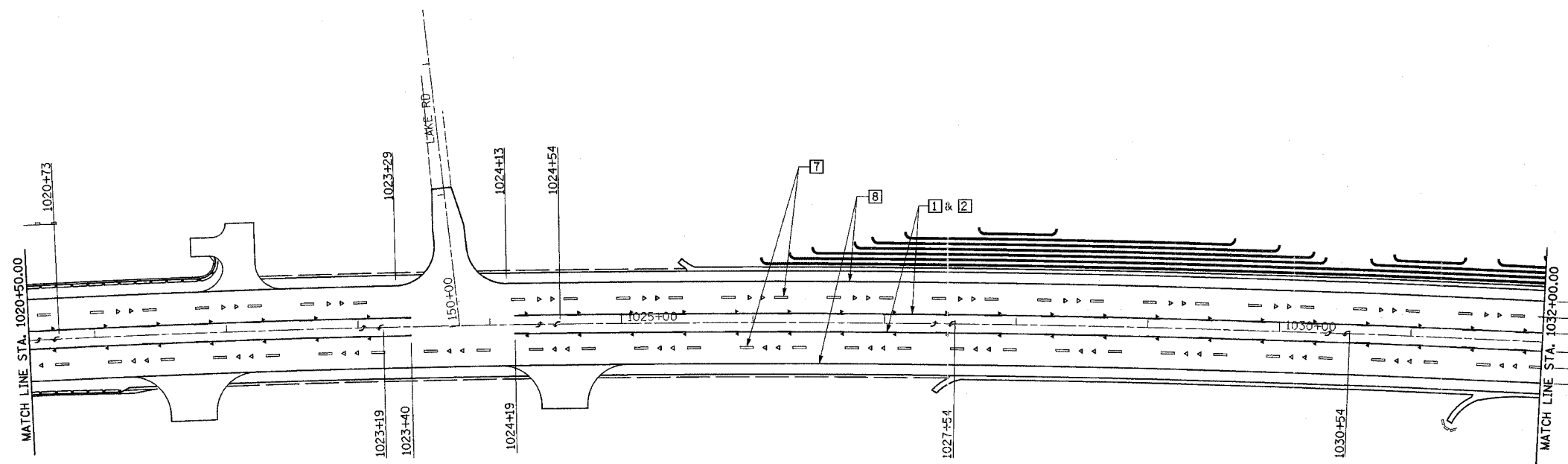
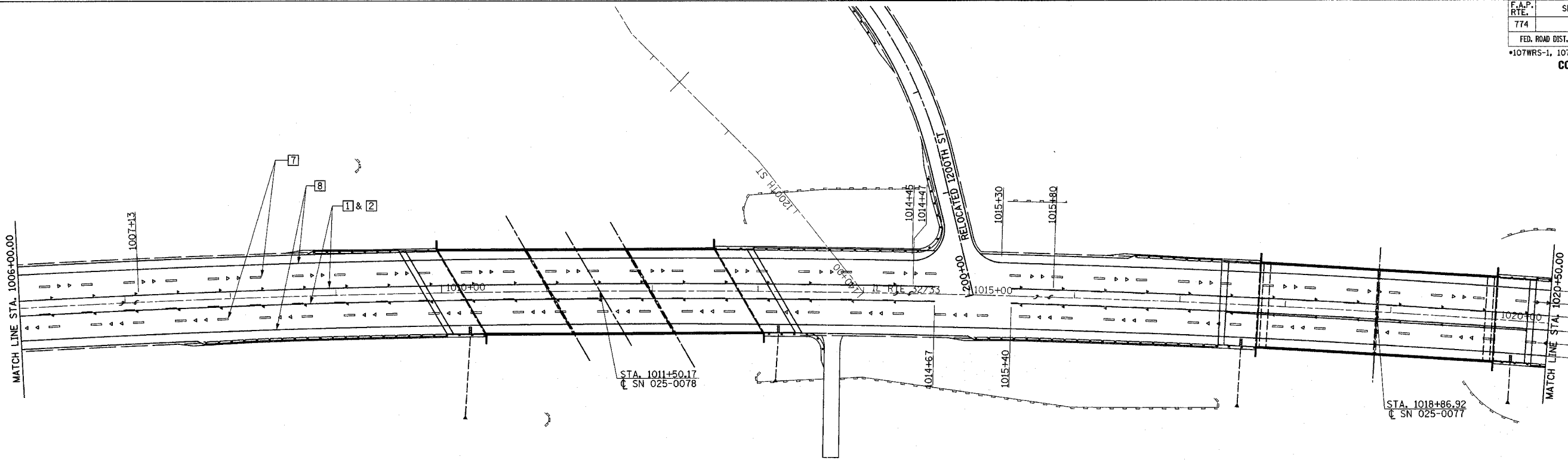
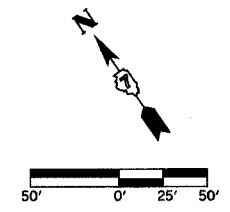
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING PLAN**  
SHEET 4 OF 6

DATE 8/02

DRAWN BY ASB  
CHECKED BY SJK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	84
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



**LEGEND**

- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
- RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL BIDIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
- ITEM 4 DOUBLE YELLOW (NARROW)
- ITEM 5 DOUBLE YELLOW (WIDE)

**TYPICAL PAVEMENT MARKING LEGEND**

- 1 4" SKIP-DASH YELLOW
- 2 4" SOLID YELLOW
- 3 12" DIAGONAL YELLOW
- 4 4" DOUBLE YELLOW NARROW
- 5 4" DOUBLE YELLOW WIDE
- 7 6" SKIP-DASH WHITE
- 8 4" SOLID WHITE
- 9 12" DIAGONAL WHITE
- 10 6" SOLID WHITE
- 11 24" STOP BAR WHITE

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

REVISIONS	
NAME	DATE

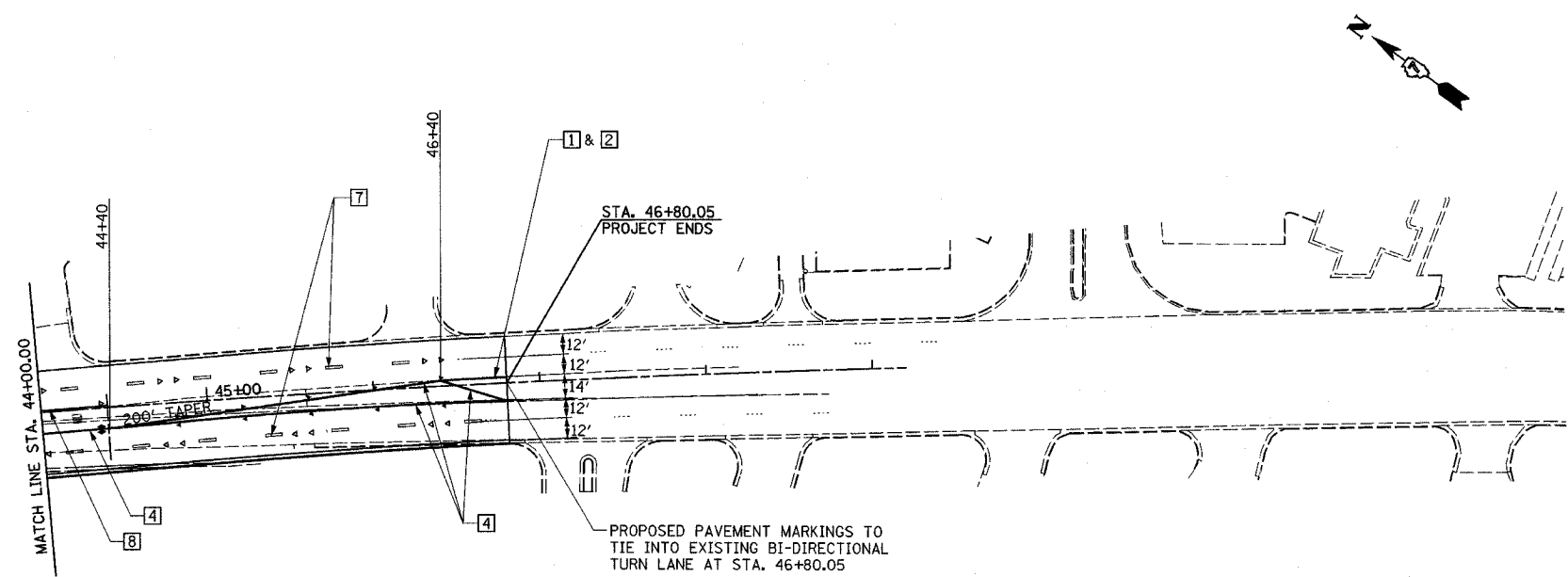
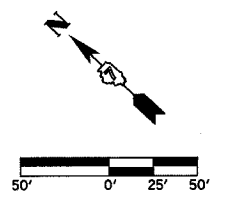
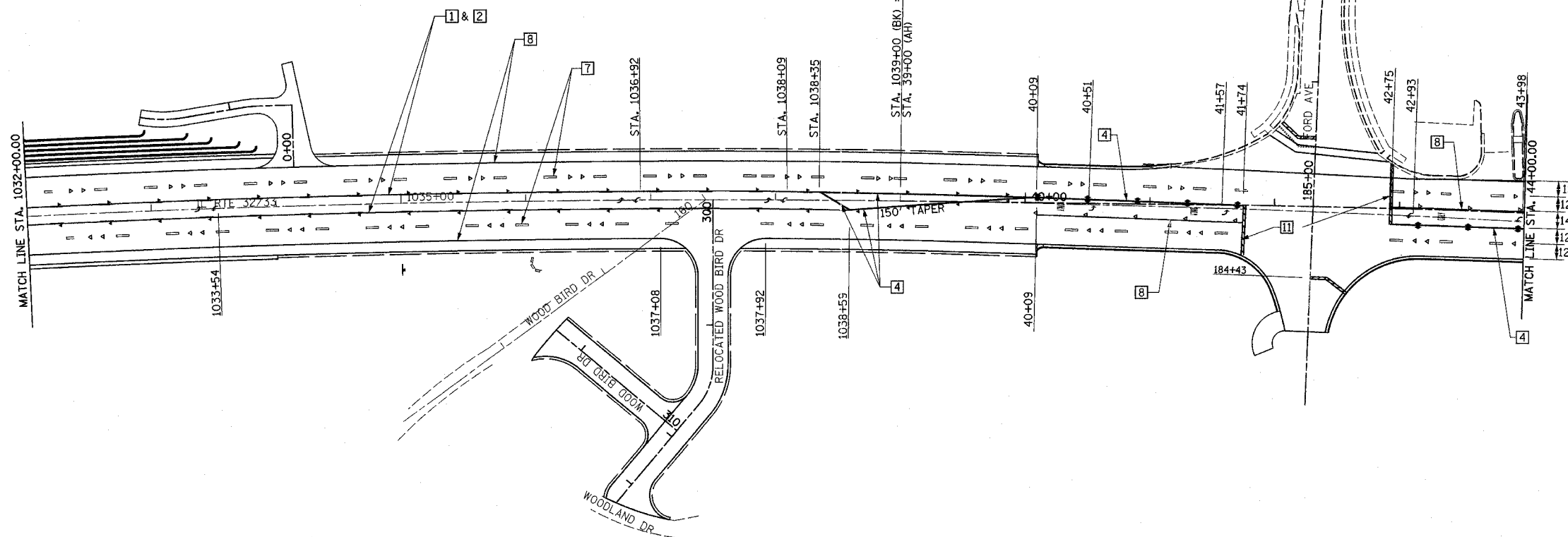
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING PLAN  
SHEET 5 OF 6**

DATE 8/02  
DRAWN BY ASB  
CHECKED BY SJK



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	85
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2		CONTRACT NO. 94827		



**LEGEND**

- RAISED REFL PAVT MKR AMBER BIDIRECTIONAL
- RAISED REFL PAVT MKR AMBER MONODIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL BIDIRECTIONAL
- RAISED REFL PAVT MKR CRYSTAL MONODIRECTIONAL
- ITEM [4] DOUBLE YELLOW (NARROW)
- ITEM [5] DOUBLE YELLOW (WIDE)

**TYPICAL PAVEMENT MARKING LEGEND**

- |                             |                         |
|-----------------------------|-------------------------|
| [1] 4" SKIP-DASH YELLOW     | [7] 6" SKIP-DASH WHITE  |
| [2] 4" SOLID YELLOW         | [8] 4" SOLID WHITE      |
| [3] 12" DIAGONAL YELLOW     | [9] 12" DIAGONAL WHITE  |
| [4] 4" DOUBLE YELLOW NARROW | [10] 6" SOLID WHITE     |
| [5] 4" DOUBLE YELLOW WIDE   | [11] 24" STOP BAR WHITE |

SEE STANDARDS 780001 & 781001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING PLAN**  
 SHEET 6 OF 6  
 DATE 8/02  
 DRAWN BY ASB  
 CHECKED BY SJK

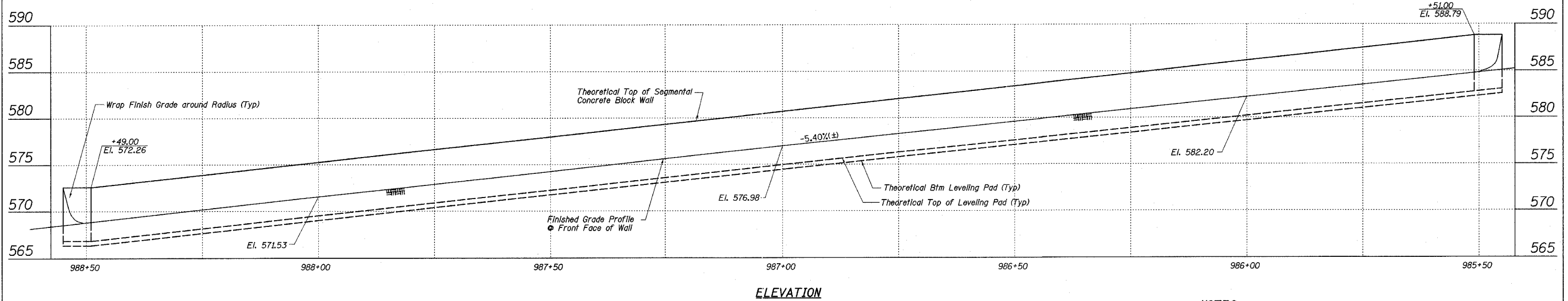
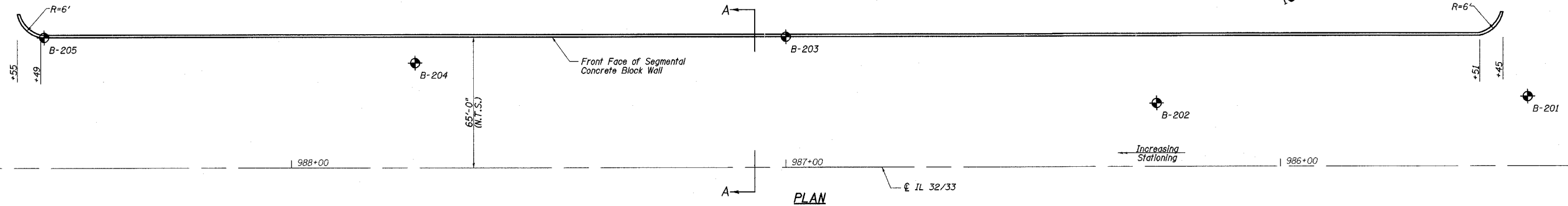
Benchmarks:  
 BM #8: 78' RT, Sta. 981+01, Elev. 600.57  
 RR Spike in Power Pole  
 BM #9: 121' RT, Sta. 991+87, Elev. 558.84  
 Chisled "X" in North Bolt of Fire Hydrant at  
 Wabash River Hills & IL 32/33

Existing Structure: None  
 Two lane, two way traffic to be maintained  
 at all times per Stage Construction Plans.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	86
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 1  
 OF 3 SHEETS

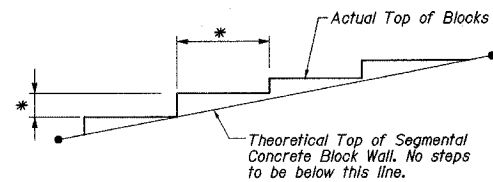


NOTES:

1. Block size, batter, setback and number of courses per Wall Supplier Design. See Special Provisions for additional requirements.
2. Ground Line behind Wall to match Top of Segmental Concrete Block Wall Elevation.
3. See Sheets 2 & 3 of 3 for Soil Borings.
4. See Roadway Cross Sections, Sheets 131 & 132.

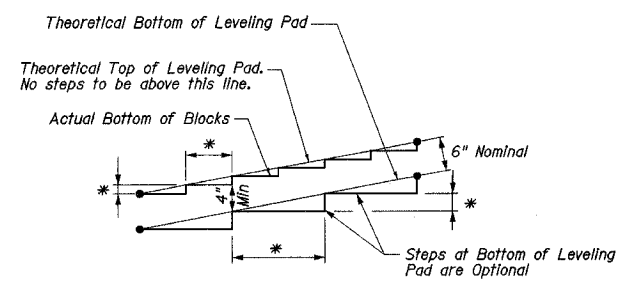
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
SEGMENTAL CONCRETE BLOCK WALL	SQ. FT.	1901
PIPE DRAINS, 4"	FOOT	320

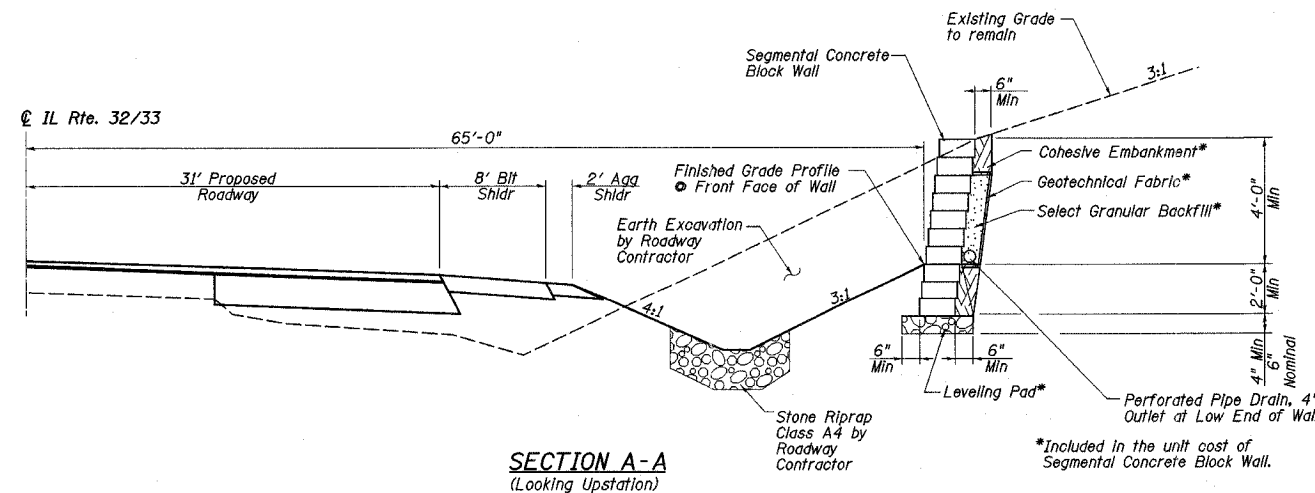


TOP OF WALL DETAIL

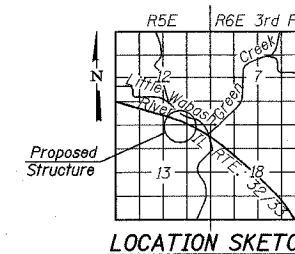
\* Actual Length, Location & Height of steps to be shown on shop drawings.



BOTTOM OF WALL DETAIL



SECTION A-A  
 (Looking Upstation)



LOCATION SKETCH

GENERAL PLAN  
 ILLINOIS ROUTE 32/33  
 F.A.P. ROUTE 774  
 SECTION 107 WRS-1, 107BY,  
 107BY-1 & 107B-2  
 EFFINGHAM COUNTY  
 RETAINING WALL  
 STA. 985+45.00 RT. TO STA. 988+55.00 RT.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	87
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 2  
OF 3 SHEETS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 1  
Date 7/18/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Hildene Drive, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham LOCATION Summit Township S. 12, TWP. T8N, RNG. R5E

Boring No.	Station	Offset	Surface Elev.	DEPTH	B	L	O	W	Qu	W	Surface Water Elev.	Groundwater Elev. when drilling	Groundwater Elev. at Completion	DEPTH	B	L	O	W	Qu	W	
			ft	H	S	tsf	%				ft	H	Hrs.	H	S	tsf	%				
B-201	985+50	33.00ft Rt	581.85									570.9	568.9								
Hard brown SILTY CLAY LOAM, damp																					
					7	P		7													
					16	4.5+															
					21																
					18	S		8													
					24	6.1															
					43																
			575.85		28			7													
Very dense brown SANDY LOAM, damp to moist																					
					20			10													
					50/5"																
					11																
Very dense brown SAND, saturated																					
					30																
					43																
					14																
					50/5"																
					12																
					30/5-1/2"																
			564.35		49			12													
Very dense brown SANDY LOAM, wet																					
					50/4"																
					20			11													
					38																
					41																
					20																
Very dense gray SILTY LOAM/LOAM, moist																					
					50/5"			9													
					559.35																
					568.85																

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 1  
Date 7/18/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Hildene Drive, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham LOCATION Summit Township S. 12, TWP. T8N, RNG. R5E

Boring No.	Station	Offset	Surface Elev.	DEPTH	B	L	O	W	Qu	W	Surface Water Elev.	Groundwater Elev. when drilling	Groundwater Elev. at Completion	DEPTH	B	L	O	W	Qu	W	
			ft	H	S	tsf	%				ft	H	Hrs.	H	S	tsf	%				
B-202	986+25	32.00ft Rt	578.68									DRY	DRY								
Very dense brown SILTY LOAM/LOAM, damp																					
					19			8													
					29																
					34																
			575.18		19	S		10													
Hard gray SILTY CLAY LOAM, moist																					
					26	8.6															
					27																
			573.18		8	B		8													
Hard gray SILTY CLAY LOAM, moist																					
					18	5.8															
					24																
					7	S		8													
					17	8.8															
					25																
					10	P		9													
					14	4.5+															
					21																
					13	B		22													
Very tough gray SILTY CLAY, moist																					
					18	3.1															
					23																
			566.18		6	B		14													
Hard gray SILTY CLAY LOAM, moist																					
					9	5.9															
					15																
					4	B		13													
					8	7.0															
					13																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													
					8	5.4															
					15																
					5	B		13													

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	88
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				

SHEET NO. 3  
OF 3 SHEETS

CONTRACT NO. 94827

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
Testing Service Corporation  
**STRUCTURE BORING LOG**

Page 1 of 1  
Date 7/17/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Hildene Drive, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson

COUNTY Effingham LOCATION Summit Township S. 12, TWP. T8N, RNG. R5E

Boring No.	Station	Offset	DEPTH	BLOW	QU	W	Surface Water Elev.	Groundwater Elev.	when drilling	at Completion	after	Hrs.	DEPTH	BLOW	QU	W
			ft	tsf	%								ft	tsf	%	
B-204	987+75	53.00ft Rt														
			572.36													
Hard gray SILTY CLAY LOAM, moist																
				7	S	8										
				10		6.5										
				14												
				17	P	8										
				31		4.5+										
				40												
				25	B	12										
				15		7.4										
				15												
				5	B	14										
				12		7.8										
				17												
			561.86													
Very tough to hard gray SILTY CLAY LOAM, moist																
				19	B	14										
				24		3.5										
				12												
				5	B	15										
				7		5.5										
				14												
			566.36													
Dense to very dense gray/brown SILTY LOAM, moist																
				14		14										
				21												
				20												
				24		11										
				39												
				50/2"												
			561.86													
Very dense gray SILTY LOAM, moist																
				50/6"		13										
			549.88													
Very dense gray weathered SILTSTONE, dry																
				50/5-1/2"		8										
			547.36													

End of Boring at 25.0'

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
Testing Service Corporation  
**STRUCTURE BORING LOG**

Page 1 of 1  
Date 7/17/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Hildene Drive, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson

COUNTY Effingham LOCATION Summit Township S. 12, TWP. T8N, RNG. R5E

Boring No.	Station	Offset	DEPTH	BLOW	QU	W	Surface Water Elev.	Groundwater Elev.	when drilling	at Completion	after	Hrs.	DEPTH	BLOW	QU	W
			ft	tsf	%								ft	tsf	%	
B-205	988+50	65.00ft Rt														
			570.90													
Very dense brown SANDY LOAM, damp																
				21		4										
				50/6"												
				32		9										
				50/5"												
			564.90													
Hard gray SILTY CLAY LOAM, damp																
				17	P	7										
				36		4.5+										
				43												
			562.40													
Very dense gray SAND, saturated																
				16												
				24												
				50												
				19												
				28												
				50/4"												
				29												
				50/6"												
			562.40													
Very dense gray/brown SILTY LOAM, moist																
				23												
				27												
				33												
			562.40													
Very dense gray/brown SILTY LOAM, moist																
				50/6"		11										
			560.40													
Hard gray SILTY CLAY LOAM, moist																
				10	P	12										
				24		4.5+										
				38												
				15	B	12										
				25		4.6										
				39												
			545.90													

End of Boring at 25.0'

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations. Depths, Offset, and Elevations are in Feet

SOIL BORINGS LOGS  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 985+45.00 RT TO  
STA. 988+55.00 RT

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	89
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				

SHEET NO. 1  
OF 14 SHEETS

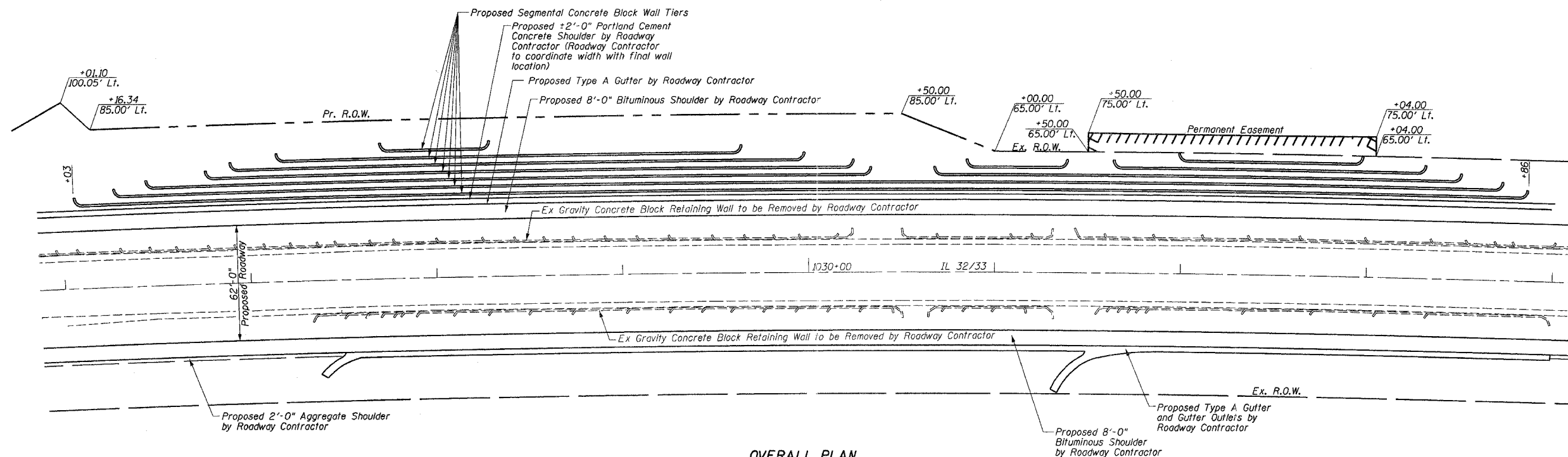
CONTRACT NO. 94827

Benchmarks:

BM #60: 79' RT, Sta. 1024+86, Elev. 548.63  
Chisled "X" on North Flange Bolt of Fire Hydrant  
BM #12: 18' RT, Sta. 1030+71, Elev. 570.76  
Chisled "□" Back of Gutter at Southwest Corner of Drop Inlet

Existing Structure:

Existing Structure consists of a Gravity Concrete Block Retaining Wall with approximately 850' of total length. Entire Retaining Wall to be removed. Removal by Roadway Contractor. Two lane, two way traffic to be maintained at all times per Stage Construction Plans. No salvage.



OVERALL PLAN

(Soil Nailed Walls not shown for clarity)

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
EARTH EXCAVATION (SPECIAL)	CU YD	13,527
GEOCOMPOSITE WALL DRAIN	SO YD	490
PIPE DRAINS, 4"	FOOT	3,832
SEGMENTAL CONCRETE BLOCK WALL	SO FT	20,815
SOIL NAILED WALL	SO FT	14,690

SEQUENCE OF CONSTRUCTION:

- I. Entire Tiered Soil-Nailed Wall to be constructed first, utilizing top down construction.
  1. Excavate temporary 2:1 maximum backslope above and beyond top of upper most soil nailed wall tier.
  2. Excavate at wall face to below (next) soil nail elevation or as indicated in the soil nailed wall shop drawings.
  3. Drill and grout soil nails.
  4. Place geocomposite wall drain weepholes, reinforcement and apply shotcrete.
  5. Once sufficient strength is obtained, install soil nail head against shotcrete.
  6. Repeat steps 2 through 5, lapping reinforcement to upper layer and splicing geocomposite wall drain with weep hole until bottom of tier is reached.
  7. Repeat steps 2 through 6 at next tier offset until lowest tier is completed.
- II. Segmental Concrete Block Wall to be constructed, bottom up, once soil-nailed wall is completed.
  1. Excavate at the lowest level tier as required to install front pipe drain and backfill with select granular backfill.
  2. Place the granular leveling pad and set the initial course of block at tier.
  3. Place pipe drain behind block and backfill between soil nailed wall and block wall with select granular backfill.
  4. Place subsequent courses of block. Select granular backfill and soil reinforcement (as required) per shop drawings to within 2 feet from top of tier.
  5. Move to next tier and repeat steps 2 through 4.
  6. Set remaining 2 feet of block on previous tier, place geotechnical fabric between walls and backfill with cohesive material.
  7. Repeat steps 2 through 6 until upper most tier is reached. Grade to final 3:1 backslope.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specification  
for Highway Bridges

GENERAL NOTES:

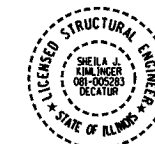
1. Wall layout based on cross-sections printed in plans and best available data. See Sheets T-14 of 14 for Soil Borings. Layout may be varied in field to suit actual conditions with approval of the Engineer.
2. Contractor to verify utility locations with J.U.L.I.E. prior to any excavation work.
3. **Soil Nails** AASHTO M-31 (or 60 or 75) or ASTM A 722 (Grade 150)  
**Grout** AASHTO T106 f'c = 3000 psi  
**Shotcrete** f'c 3000 psi  
**Concrete Block** ASTM C 1372
4. See Special Provisions for additional requirements.

HORIZ. CURVE DATA

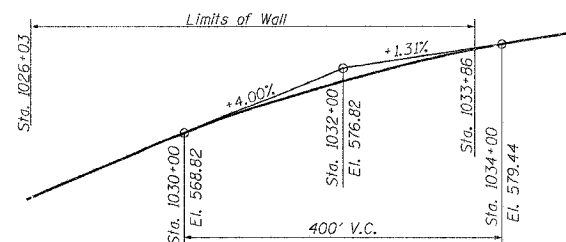
P.I. = Sta. 1014+09.68  
Δ = 25°19'45" (RT)  
D = 0°30'00"  
R = 11,456.75'  
L = 5,064.76'  
T = 2,574.44'  
E = 285.69'  
S.E. = 1.56%  
P.C. = Sta. 988+35.24  
P.T. = Sta. 1039+00.00  
SE Attained Sta. 985+68.57 to Sta. 989+68.57  
SE Removed Sta. 1037+66.67 to Sta. 1041+66.67

APPROVED  
FOR STRUCTURAL ADEQUACY ONLY

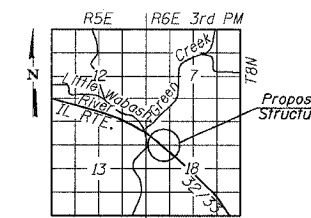
Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES



Sheila J. Kimplinger 12/30/23  
Sheila J. Kimplinger, P.E., S.E. Date  
Structural Engineer License No. 081-005283  
Expiration Date: 11/30/2004



IL 32/33 PROPOSED PROFILE GRADE



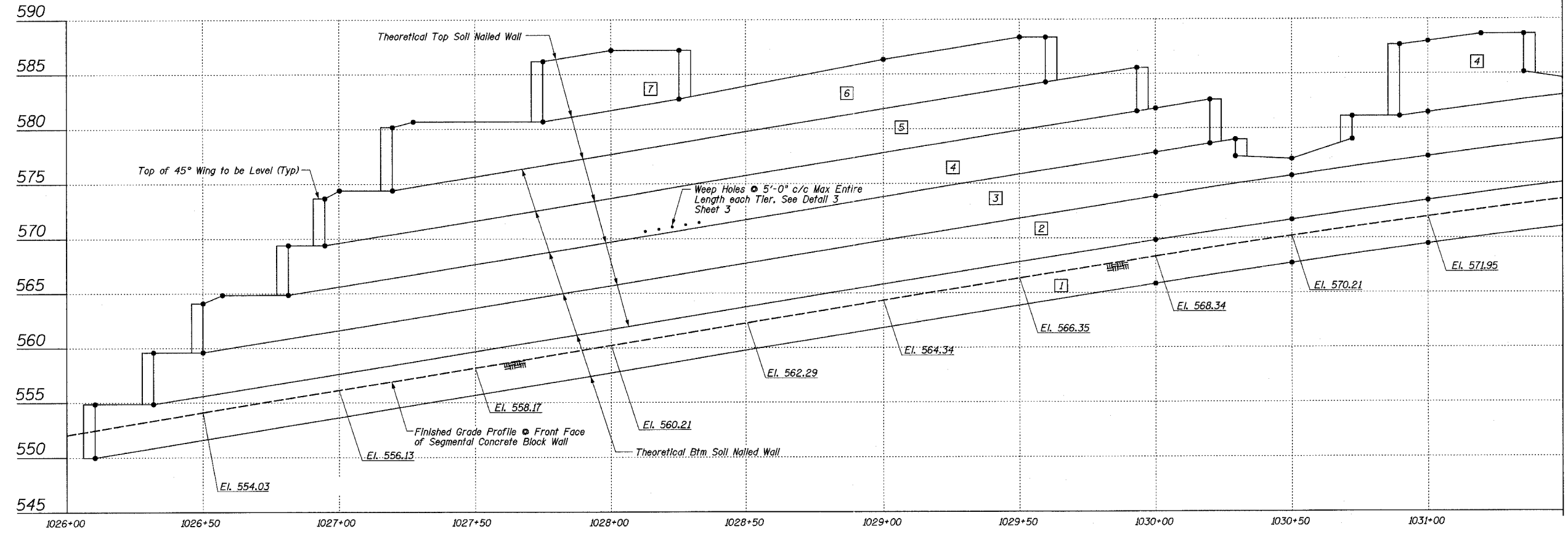
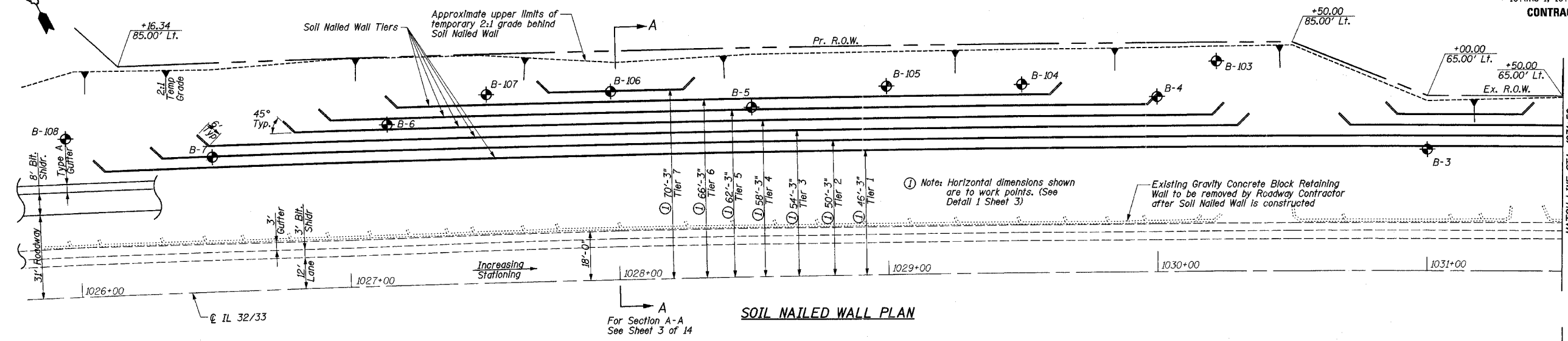
LOCATION SKETCH

GENERAL PLAN  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

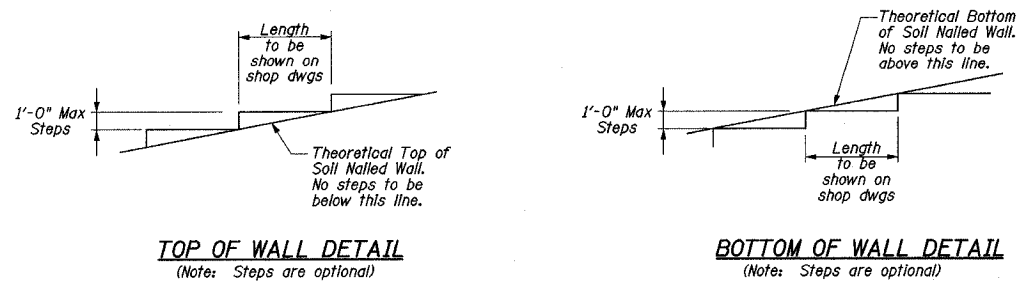
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	90
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 2  
OF 14 SHEETS



**LEGEND**

- Denotes Work Point. See Sheet 5 for Wall Elevations.
- Denotes Tier No.

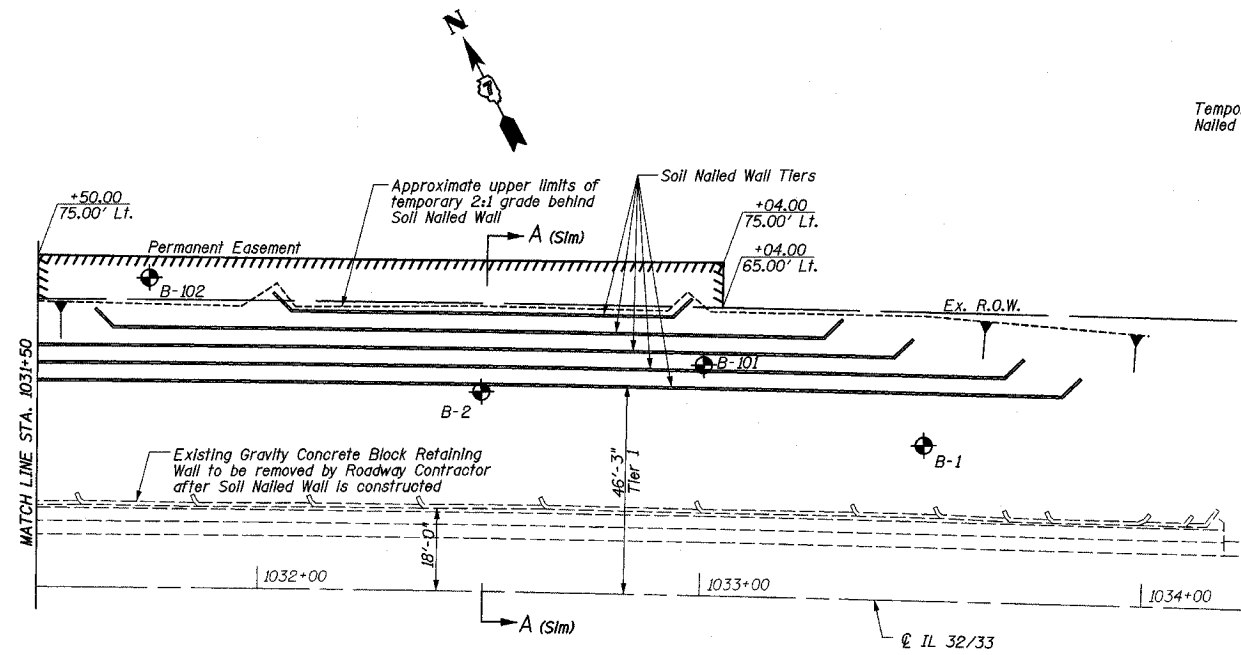


**BILL OF MATERIAL - SOIL NAILED WALL**

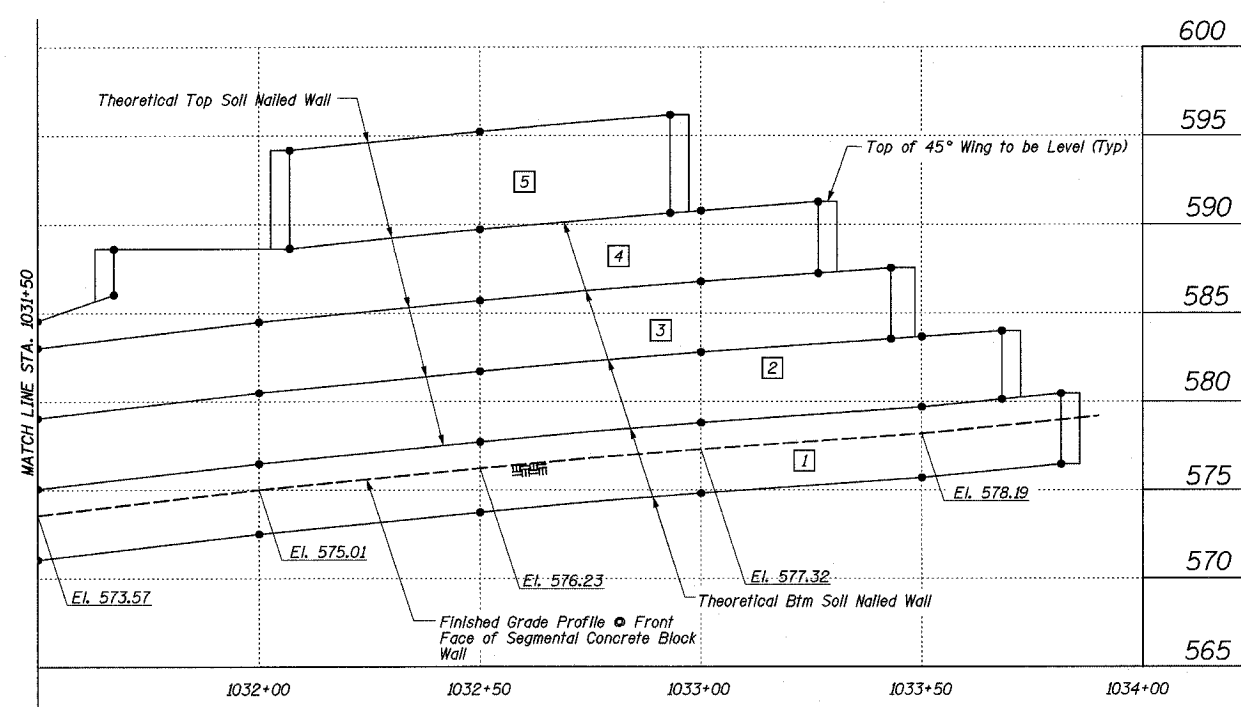
ITEM	UNIT	QUANTITY
EARTH EXCAVATION (SPECIAL)	CU YD	13,527
* GEOCOMPOSITE WALL DRAIN	SQ YD	490
SOIL NAILED WALL	SQ FT	14,690

\* Estimated Quantity is based on 1'-6" wide Geocomposite Wall Drain Strip at 5'-0" center to center spacing.

SOIL NAILED WALL  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008



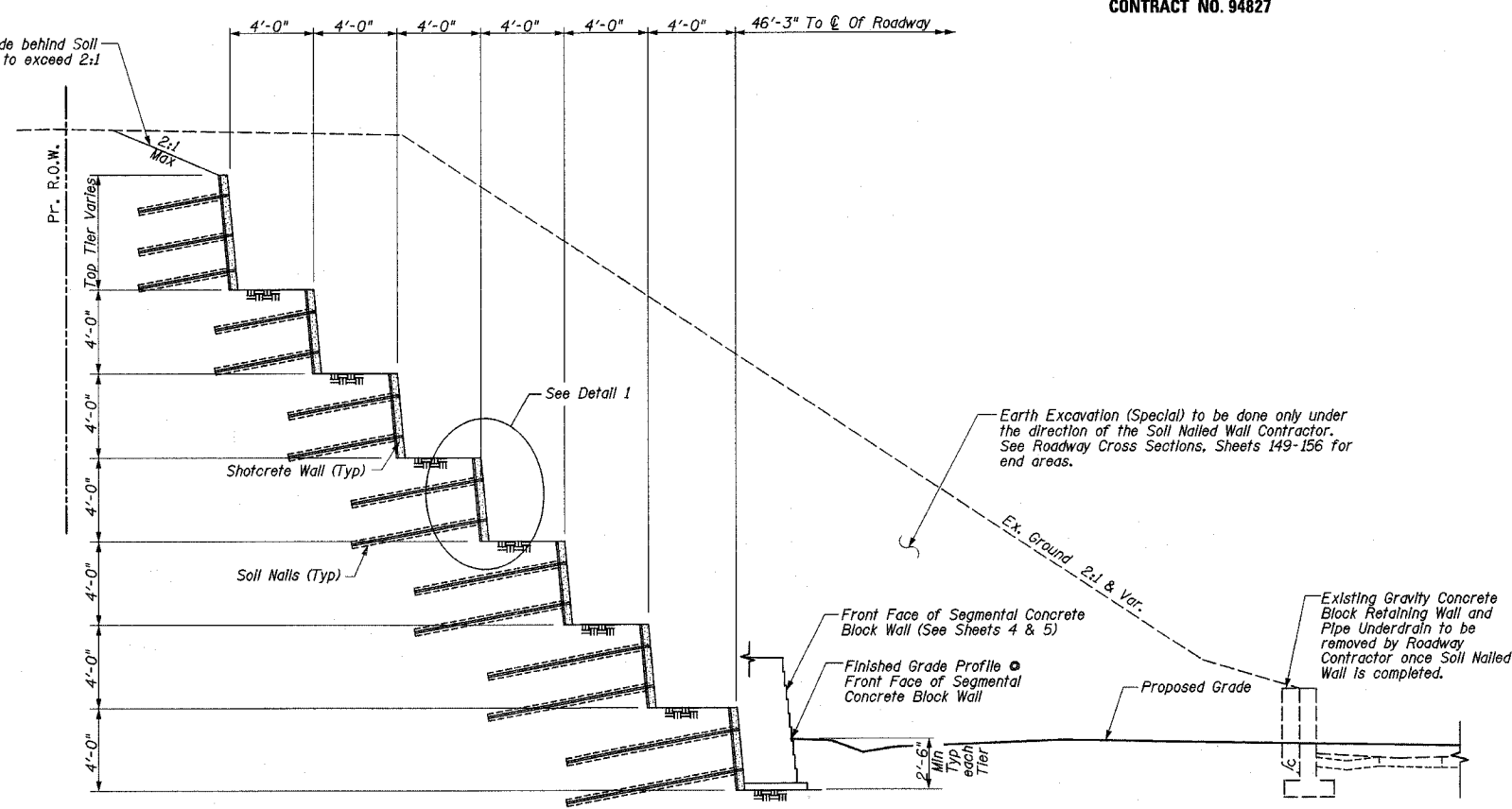
SOIL NAILED WALL PLAN



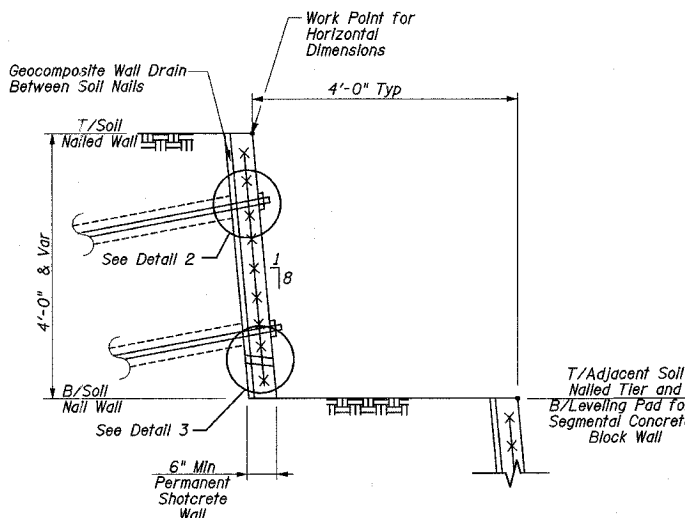
SOIL NAILED WALL ELEVATION

**LEGEND**

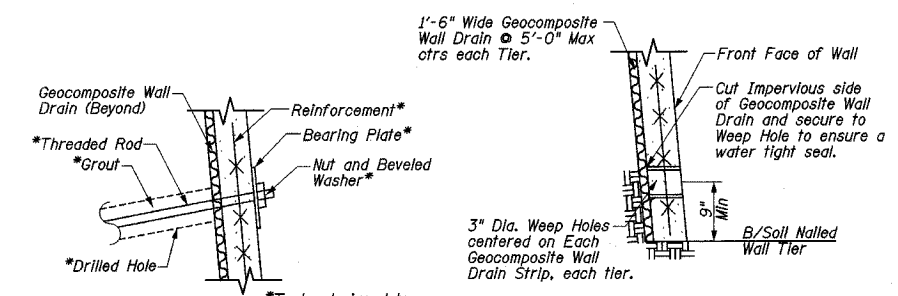
- Denotes Work Point. See Sheet 6 for Wall Elevations.
- Denotes Tier No.



SECTION A-A  
TYPICAL TIERED RETAINING WALL  
(Sta. 1028+00.00 Shown, Others Similar)



DETAIL 1  
Typical Soil Nailed Wall Tier



DETAIL 3

All costs for the weep hole drain and the connection to the geocomposite wall drain are included in cost of Geocomposite Wall Drain.

**DETAIL 2**  
All exposed Rods, Nuts, Washers, Bearing Plates, etc. shall be coated with Bitumen prior to backfilling. Cost included in cost of Soil Nailed Wall.

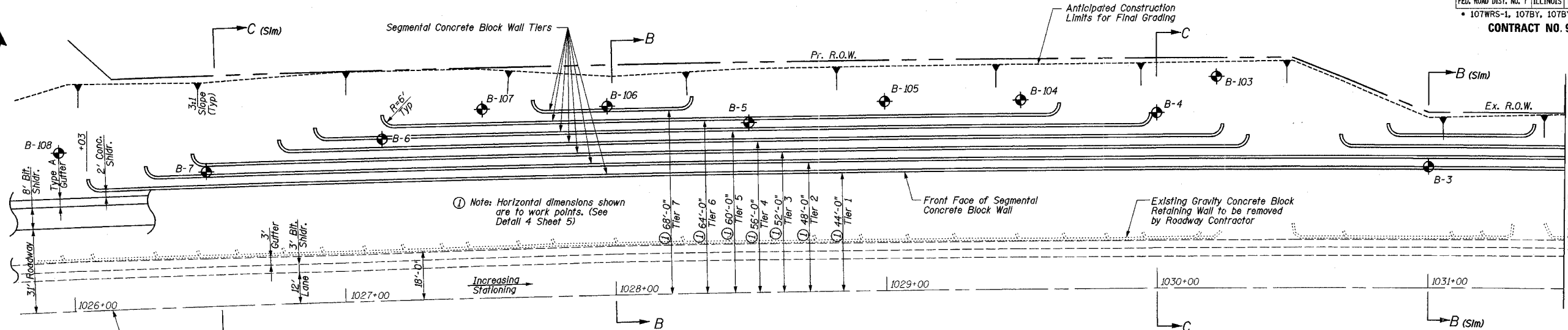
**SOIL NAILED WALL**  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

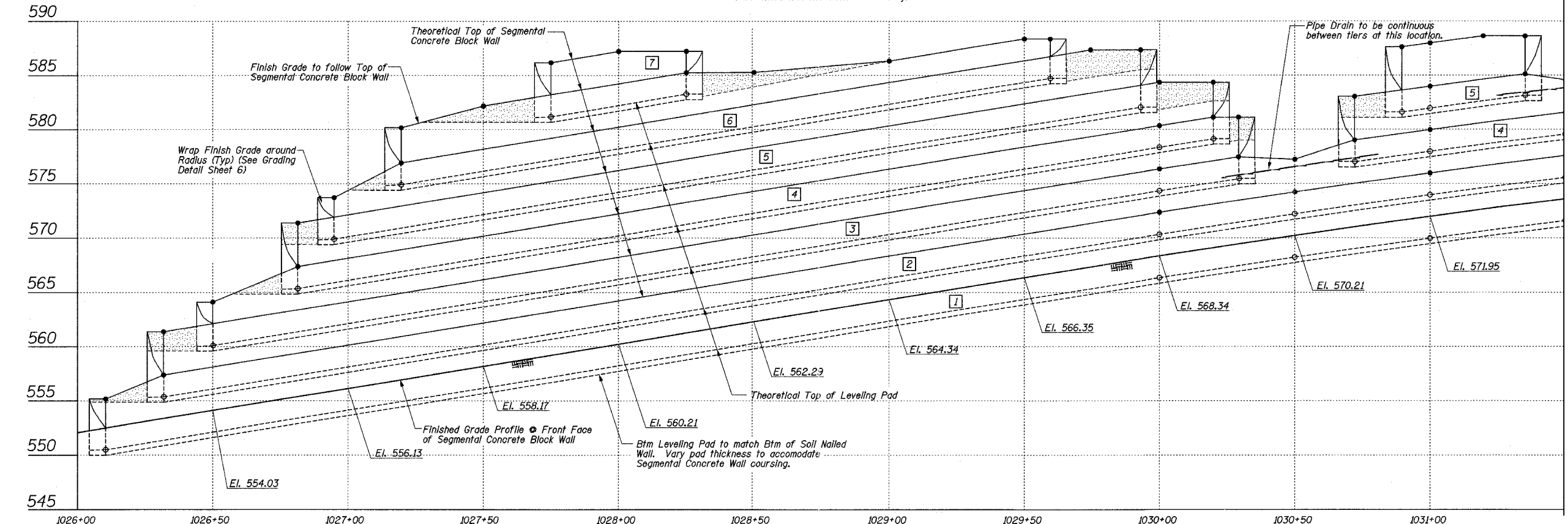
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	92
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				

SHEET NO. 4  
OF 14 SHEETS

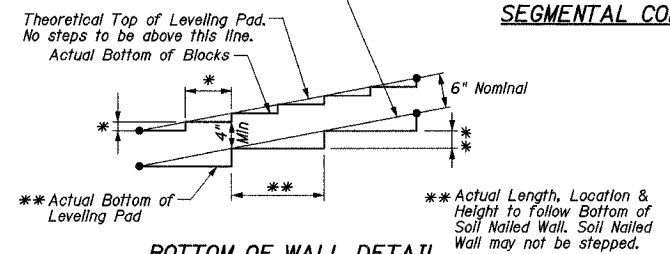
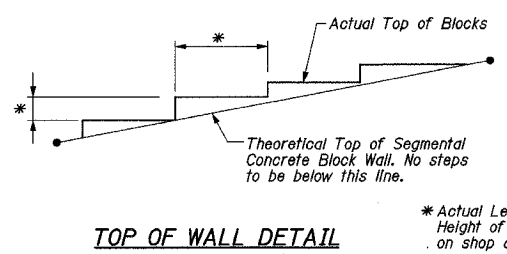
CONTRACT NO. 94827



SEGMENTAL CONCRETE BLOCK WALL PLAN  
(Soil Nailed Wall not shown for clarity)



- LEGEND**
- Denotes Top of Wall Work Point.
  - Denotes Btm of Wall Work Point
  - See Sheet 6 for Wall Elevations.
  - ▨ Area where height of Segmental Concrete Block Wall exceeds height of Soil Nailed Wall. See Section C-C Sheet 5.
  - Denotes Tier No.



BILL OF MATERIAL - SEGMENTAL CONCRETE BLOCK WALL

ITEM	UNIT	QUANTITY
PIPE DRAINS, 4"	FOOT	3,832
SEGMENTAL CONCRETE BLOCK WALL	SQ FT	20,815

SEGMENTAL CONCRETE BLOCK WALL  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008

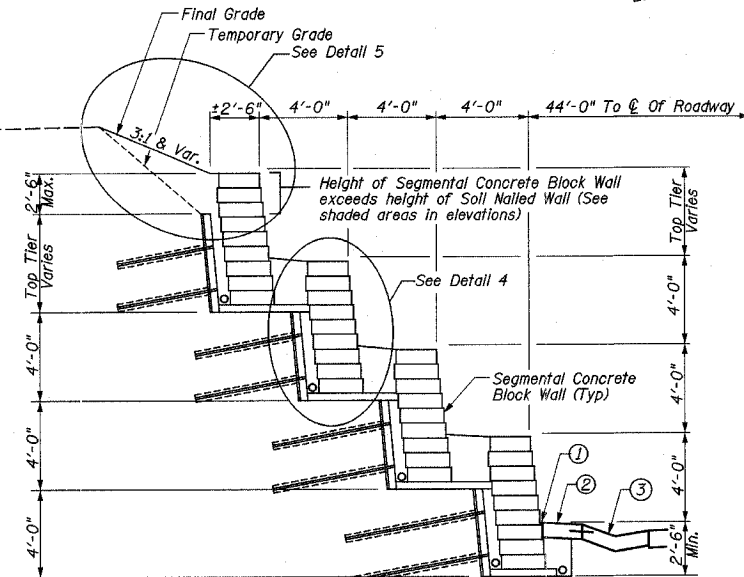
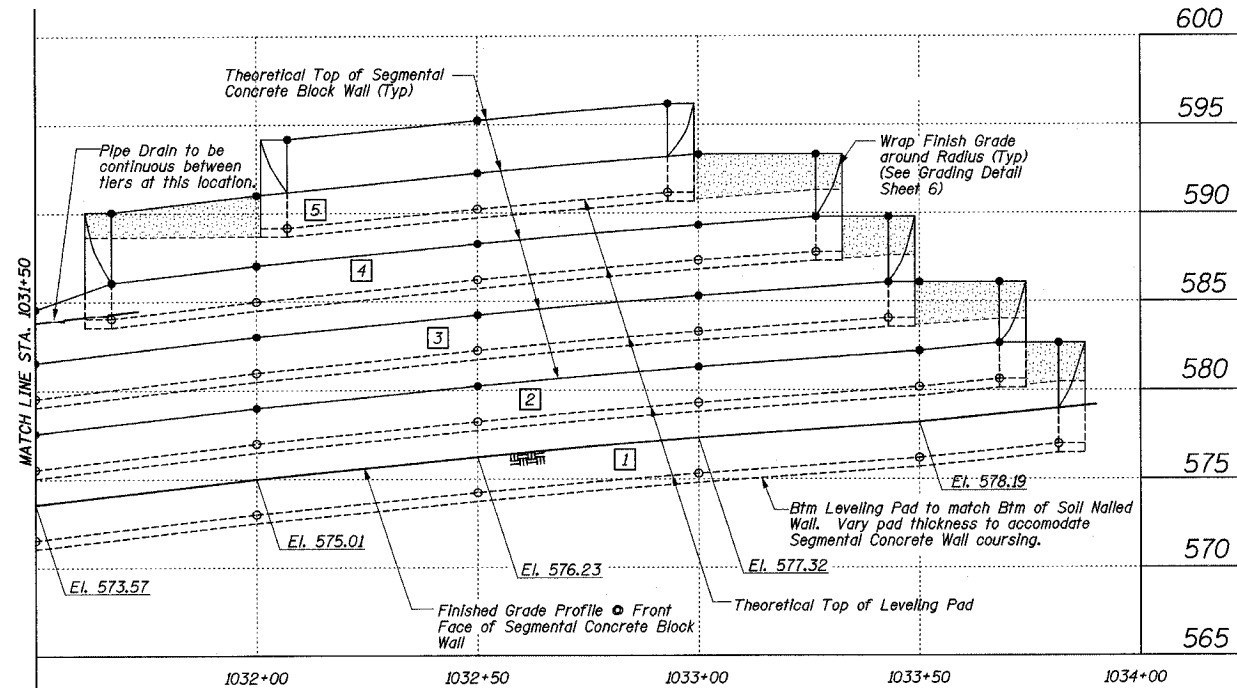
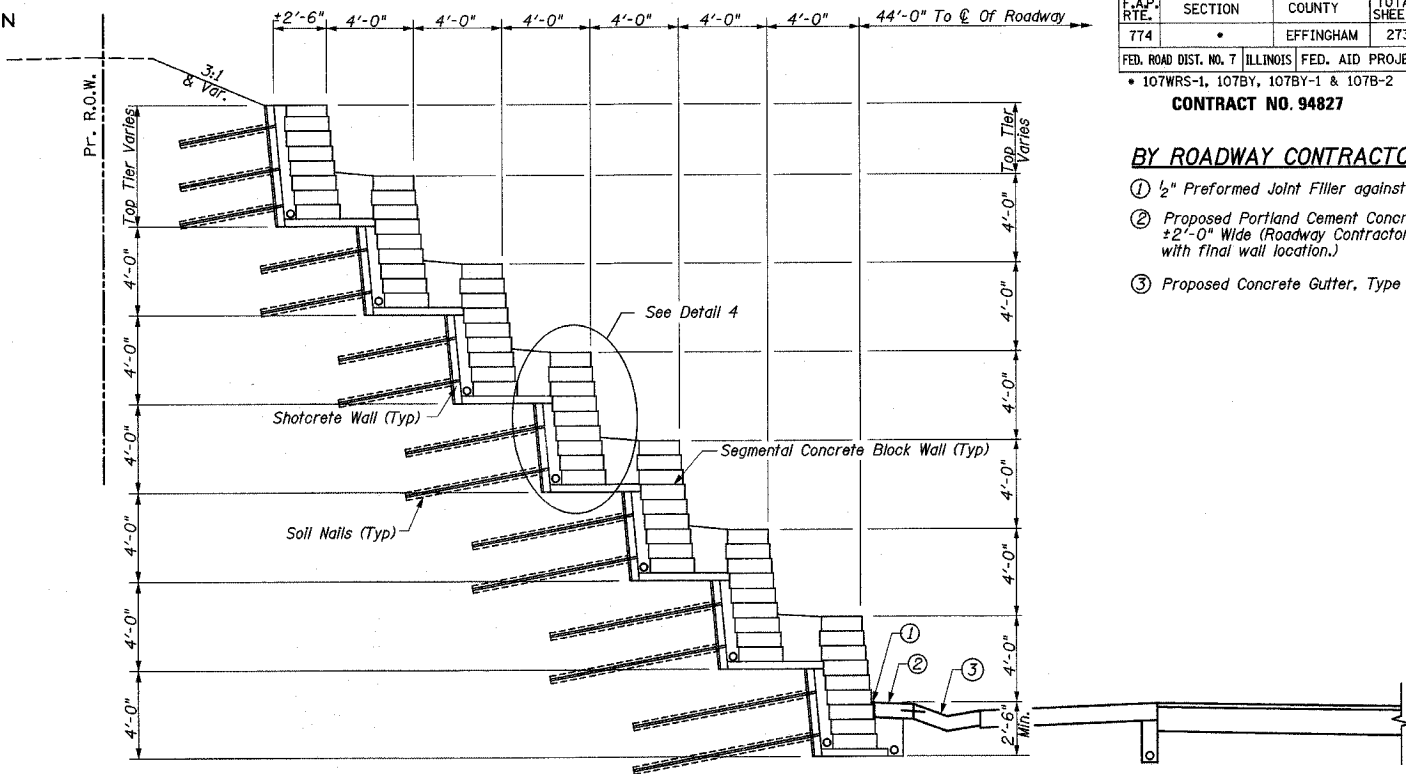
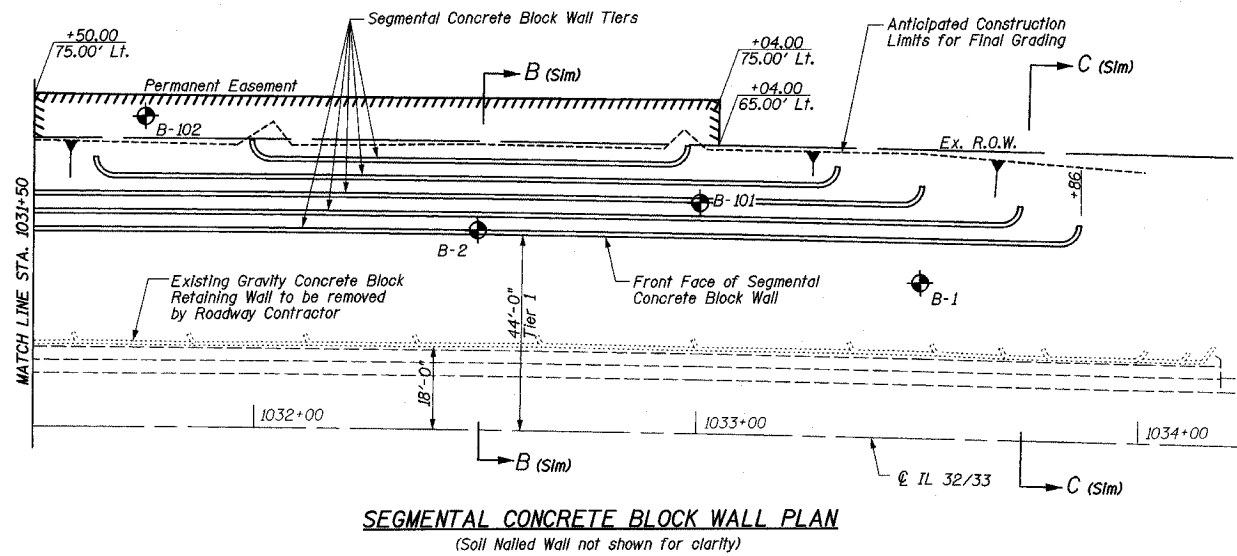


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	93

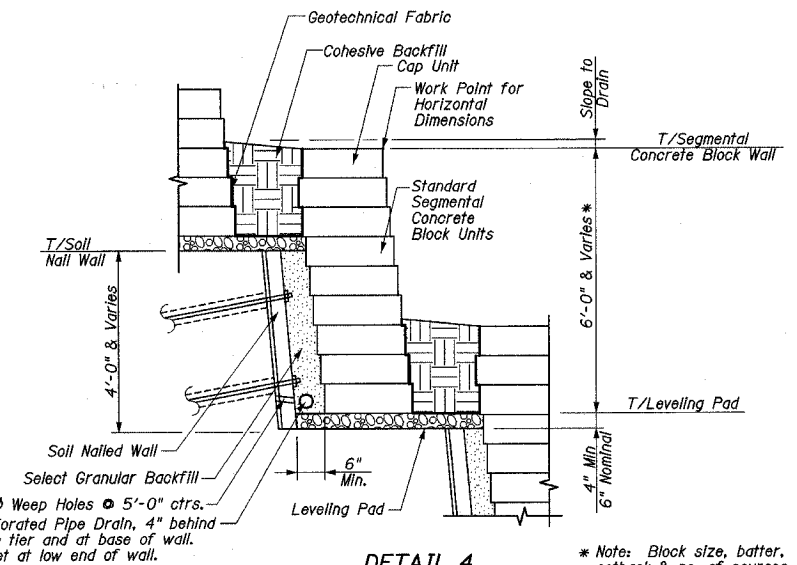
SHEET NO. 5  
OF 14 SHEETS

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
\* 107WRS-1, 107BY, 107BY-1 & 107B-2  
CONTRACT NO. 94827

- BY ROADWAY CONTRACTOR:**
- 1/2" Preformed Joint Filler against Retaining Wall
  - Proposed Portland Cement Concrete Shoulder, 6" ±2'-0" Wide (Roadway Contractor to coordinate width with final wall location.)
  - Proposed Concrete Gutter, Type A

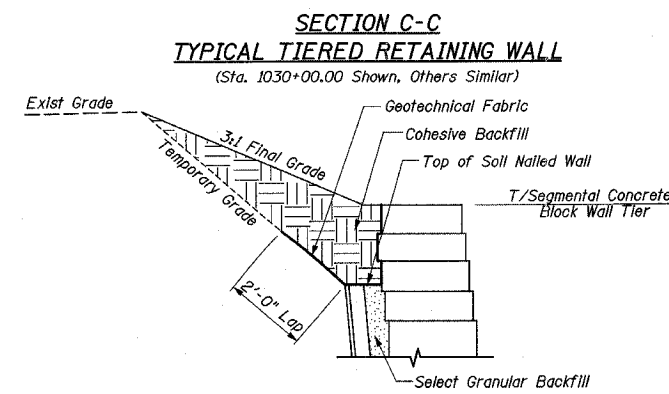


**SECTION B-B**  
**TYPICAL TIERED RETAINING WALL**  
(Sta. 1028+00.00 Shown, Others Similar)



**DETAIL 4**  
Typical Segmental Concrete Block Wall Tier

\* Note: Block size, batter, setback & no. of courses per Wall Supplier Design (See Special Provision)



**DETAIL 5**

**SEGMENTAL CONCRETE BLOCK WALL**  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008

- LEGEND**
- Denotes Top of Wall Work Point.
  - Denotes Btm of Wall Work Point
  - See Sheet 6 for Wall Elevations.
  - Area where height of Segmental Concrete Block Wall exceeds height of Soil Nailed Wall. See Section C-C.
  - Denotes Tier No.

**SEGMENTAL CONCRETE BLOCK WALL ELEVATION**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

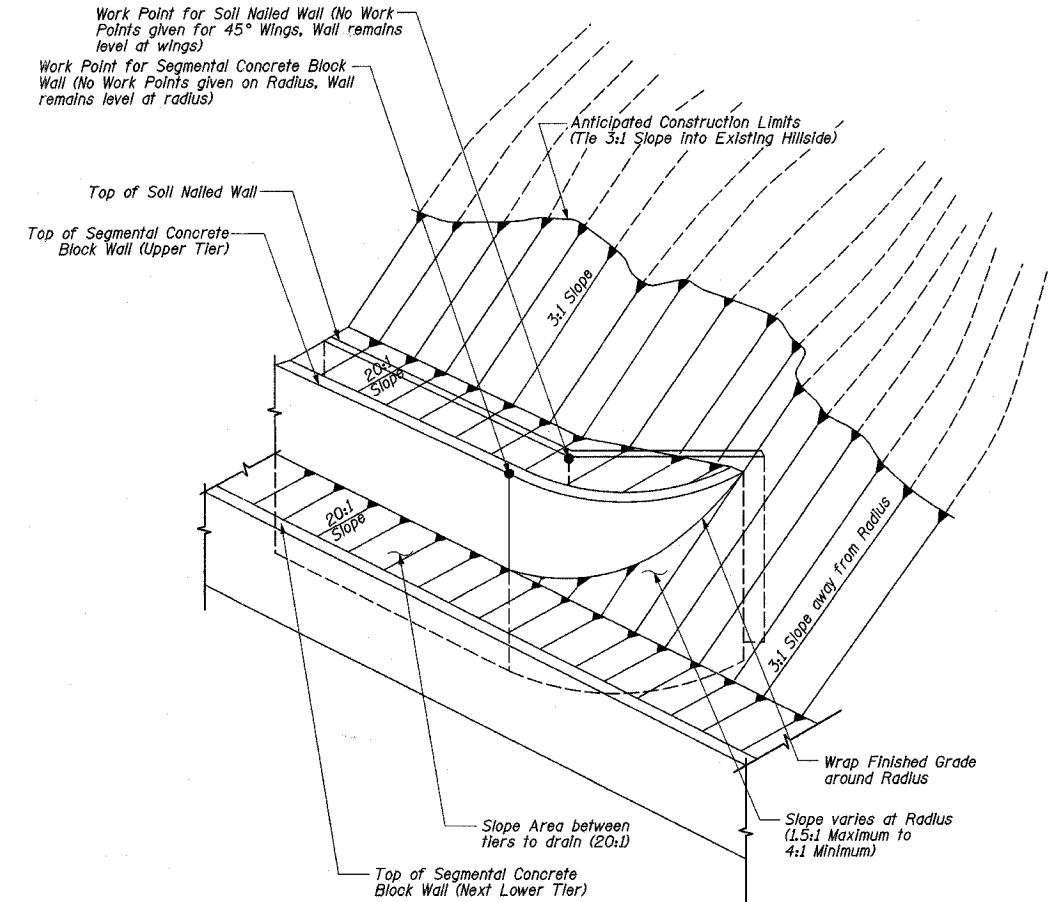
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	94

SHEET NO. 6  
OF 14 SHEETS

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
\* 107WRS-1, 107BY, 107BY-1 & 107B-2  
CONTRACT NO. 94827

Tier	Station	Soil Nailed Wall Work Points			Segmental Concrete Block Wall Work Points		
		Offset	Top of Wall Elevation	Bottom of Wall Elevation	Offset	Top of Wall Elevation	Bottom of Wall Elevation
7	1027+75.00	70'-3"	586.20	580.68	68'-0"	586.20	581.18
7	1028+00.00	70'-3"	587.22		68'-0"	587.22	
7	1028+25.00	70'-3"	587.22	582.74	68'-0"	587.22	583.24
6	1027+20.00	66'-3"	580.17	574.41	64'	580.17	574.90
6	1027+27.00	66'-3"	580.68		64'		
6	1027+50.00	66'-3"			64'	582.17	
6	1027+75.00	66'-3"	580.68		64'		
6	1028+25.00	66'-3"	582.74		64'	585.26	
6	1028+50.00	66'-3"			64'	585.29	
6	1029+00.00	66'-3"	586.34		64'	586.34	
6	1029+50.00	66'-3"	588.36		64'	588.36	
6	1029+60.00	66'-3"	588.36	584.23	64'	588.36	584.73
5	1026+95.00	62'-3"	573.70	569.41	60'	573.70	569.91
5	1027+00.00	62'-3"	574.41		60'		
5	1027+20.00	62'-3"	574.41		60'	576.92	
5	1029+60.00	62'-3"	584.23		60'		
5	1029+75.00	62'-3"			60'	587.35	
5	1029+93.00	62'-3"	585.55	581.58	60'	587.35	582.05
5	1032+07.00	62'-3"	594.18	588.66	60'	594.18	589.17
5	1032+50.00	62'-3"	595.24	589.73	60'	595.24	590.23
5	1032+93.00	62'-3"	596.19	590.66	60'	596.19	591.16
4	1026+81.00	58'-3"	569.41	564.86	56'	571.37	565.36
4	1026+95.00	58'-3"	569.41		56'		
4	1029+93.00	58'-3"	581.58		56'		
4	1030+00.00	58'-3"	581.83	577.83	56'	584.34	578.33
4	1030+20.00	58'-3"	582.62	578.62	56'	584.34	579.13
4	1030+90.00	58'-3"	587.64	581.09	56'	587.60	581.60
4	1031+00.00	58'-3"	587.96	581.45	56'	587.96	581.94
4	1031+20.00	58'-3"	588.62		56'	588.62	
4	1031+35.00	58'-3"	588.62		56'	588.62	583.12
4	1031+35.00	58'-3"	585.12		56'		
4	1031+50.00	58'-3"	584.57	583.05	56'		
4	1031+67.00	58'-3"	588.64		56'	590.07	584.06
4	1031+67.00	58'-3"	586.07		56'		
4	1032+00.00	58'-3"		584.50	56'	591.01	585.00
4	1032+07.00	58'-3"	588.66		56'		
4	1032+50.00	58'-3"	589.73	585.73	56'	592.24	586.23
4	1032+93.00	58'-3"	590.66	590.66	56'		
4	1033+00.00	58'-3"	590.79	586.81	56'	593.32	587.31
4	1033+27.00	58'-3"	591.30	587.28	56'	593.32	587.78
3	1026+50.00	54'-3"	564.11	559.60	52'	564.11	560.09
3	1026+57.00	54'-3"	564.86		52'		
3	1026+81.00	54'-3"	564.86		52'	567.37	
3	1030+00.00	54'-3"	577.83	573.83	52'	580.34	574.33
3	1030+20.00	54'-3"	578.62		52'	581.13	
3	1030+29.00	54'-3"	578.99		52'	581.13	575.47
3	1030+29.00	54'-3"	577.44		52'		
3	1030+50.00	54'-3"	577.21	575.68	52'		
3	1030+72.00	54'-3"	581.09		52'	583.00	577.01
3	1030+72.00	54'-3"	579.01		52'		
3	1030+90.00	54'-3"	581.09		52'		
3	1031+00.00	54'-3"	581.45	577.45	52'	583.96	577.94
3	1031+35.00	54'-3"			52'	585.12	
3	1031+50.00	54'-3"	583.05	579.06	52'	584.57	579.56
3	1031+67.00	54'-3"			52'	586.07	
3	1032+00.00	54'-3"	584.50	580.50	52'	587.01	581.01
3	1032+50.00	54'-3"	585.73	581.73	52'	588.24	582.23
3	1033+00.00	54'-3"	586.81	582.81	52'	589.32	583.31
3	1033+27.00	54'-3"	587.28		52'	589.79	
3	1033+43.00	54'-3"	587.57	583.56	52'	589.79	584.07

Tier	Station	Soil Nailed Wall Work Points			Segmental Concrete Block Wall Work Points		
		Offset	Top of Wall Elevation	Bottom of Wall Elevation	Offset	Top of Wall Elevation	Bottom of Wall Elevation
2	1026+32.00	50'-3"	559.60	554.86	48'	561.37	555.37
2	1026+50.00	50'-3"	559.60		48'		
2	1030+00.00	50'-3"	573.83	569.83	48'	576.34	570.33
2	1030+29.00	50'-3"			48'	577.45	
2	1030+50.00	50'-3"	575.68	571.70	48'	577.21	572.20
2	1030+72.00	50'-3"			48'	579.00	
2	1031+00.00	50'-3"	577.45	573.45	48'	579.96	573.95
2	1031+50.00	50'-3"	579.06	575.06	48'	581.57	575.56
2	1032+00.00	50'-3"	580.50	576.50	48'	583.01	577.00
2	1032+50.00	50'-3"	581.73	577.73	48'	584.24	578.23
2	1033+00.00	50'-3"	582.81	578.81	48'	585.32	579.31
2	1033+43.00	50'-3"	583.56		48'	586.08	
2	1033+50.00	50'-3"	583.68	579.69	48'	586.08	580.19
2	1033+68.00	50'-3"	584.00	580.13	48'	586.08	580.63
1	1026+10.00	46'-3"	554.86	549.99	44'	555.17	550.49
1	1026+32.00	46'-3"	554.86		44'	557.37	
1	1030+00.00	46'-3"	569.83	565.84	44'	572.34	566.34
1	1030+50.00	46'-3"	571.70	567.71	44'	574.21	568.21
1	1031+00.00	46'-3"	573.45	569.46	44'	575.96	569.96
1	1031+50.00	46'-3"	575.06	571.07	44'	577.57	571.57
1	1032+00.00	46'-3"	576.50	572.51	44'	579.01	573.01
1	1032+50.00	46'-3"	577.73	573.74	44'	580.24	574.24
1	1033+00.00	46'-3"	578.81	574.82	44'	581.32	575.32
1	1033+50.00	46'-3"	579.69	575.70	44'	582.20	576.20
1	1033+68.00	46'-3"			44'	582.65	
1	1033+81.00	46'-3"	580.46	576.47	44'	582.65	576.98



WORK POINT AND FINAL GRADING DETAIL

WALL ELEVATIONS  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008









Testing Service Corporation  
STRUCTURE ROCK CORING LOG

Page 1 of 1  
Date 7/10/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham

Boring No. B-102 Core Type NX Core Barrel  
Station 1031+75 Core Diameter 2.34 in  
Offset 70.00ft Lt Core Length 5 ft

Surface Elev. 588.10 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
553.10	Gray SANDSTONE with interbedded SHALE	1	97	49	3	286
548.10	End of Boring at 40.0'					229
-45.0						
-50.0						
-55.0						

Color pictures of the cores \_\_\_\_\_

Cores will be stored for examination until \_\_\_\_\_

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

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Date 7/11/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	Qu	W	Surface Water Elev.	D	B	L	O	Qu	W
B-103	1030+22	78.00R Lt	584.68 ft	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard brown SILTY CLAY LOAM, moist to damp					2	P	11					4	P	29		
					4	4.5+						4	4.5+			
					5							6				
					8	P	8			566.68		3	B	35		
					13	4.5+						4	3.6			
					14							7				
					13	P	7					4	P	12		
					26	4.5+						6	4.5+			
					25							9				
					7	B	9					3	P	12		
					13	8.0						8	4.5+			
					21					549.68		11				
End of Boring at 35.0'																
Hard brown SILTY LOAM, damp					7	P	8					16	P	8		
					20	4.5+						26	4.5+			
					42							50				
Hard gray SILTY CLAY LOAM, moist					4	B	13					14	P	10		
					9	5.8						39	4.5+			
					15							50/4"				
Firm gray SAND, wet					5							17		7		
					7							32				
					10							48				
Hard gray SILTY CLAY LOAM, moist					6	B	14					29		6		
					13	7.2						50/5"				
					18											
					5	B	18					14	P	7		
					6	5.5						41	4.5+			
					14							49				
					4	B	16					4		8		
					8	5.2						47				
					13							50/5"				

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

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Date 7/11/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. DRILLED BY B. Williamson

COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No.	Station	Offset	Surface Elev.	D	B	L	O	Qu	W	Surface Water Elev.	D	B	L	O	Qu	W
B-104	1029+50	70.00R Lt	591.09 ft	H	T	W	S	tsf	%		H	T	W	S	tsf	%
Hard brown SILTY LOAM, moist					4	P	13					6	P	11		
					5	4.5+						10	4.5+			
					9							18				
					11	P	13					5	B	10		
					13	4.5+						9	6.1			
					17							23				
					6	P	11					9	B	15		
					9	4.5+						14	4.2			
					13							29				
Hard brown SILTY CLAY LOAM, moist					6	P	10					13	P	18		
					12	4.5+						21	4.5+			
					18							28				
Hard brown SILTY LOAM, moist					16	P	8					5	P	37		
					26	4.5+						5	3.25			
					50							9				
Very dense brown SAND, moist					14	P	10					4	B	30		
					39	4.5+						6	3.2			
					50/4"							10				
Hard brown SILTY CLAY LOAM, moist					17		7					10		18		
					32							16				
					48							30				
Very dense brown SILTY LOAM, damp					29		6					9		16		
					50/5"							12				
												33				
Hard gray SILTY CLAY LOAM, damp					14	P	7					25		17		
					41	4.5+						36				
					49							42				
Very dense brown SILTY LOAM, damp					4		8					40		18		
					47							60/3"				
					50/5"											

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

SOIL BORINGS LOGS  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12 OF 14 SHEETS
774	.	EFFINGHAM	273	100	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		
• 107WRS-1, 107BY, 107BY-1 & 107B-2					

CONTRACT NO. 94827

Testing Service Corporation  
STRUCTURE ROCK CORING LOG

Page 1 of 1  
Date 7/11/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson

COUNTY Effingham

Boring No. B-104 Core Type NX Core Barrel  
Station 1029+50 Core Diameter 2.34 in  
Offset 70.00ft Lt Core Length 6 ft

Surface Elev. 591.09 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	R - Q (%)	CORE TIME (Min/ft)	COMP. STH (tsf)
541.09	Gray SANDSTONE with interbedded SHALE	1	100	86	3.5	216
535.09	End of Boring at 56.0'					244

Color pictures of the cores \_\_\_\_\_

Cores will be stored for examination until \_\_\_\_\_

ILLINOIS DEPARTMENT OF TRANSPORTATION  
Testing Service Corporation  
STRUCTURE BORING LOG

Page 1 of 1  
Date 7/12/02

ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson

COUNTY Effingham LOCATION Douglas Township S. 18, TWP. T8N, RNG. R6E

Boring No. B-105 Surface Water Elev. \_\_\_\_\_  
Station 1029+00 Groundwater Elev.: \_\_\_\_\_  
Offset 70.00ft Lt when drilling \_\_\_\_\_  
Surface Elev. 588.46 ft at Completion \_\_\_\_\_  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

Surface Elev. ft	DEPTH	BL	LO	W	Qu	W	DEPTH	BL	LO	W	Qu	W
588.46	5	P	11	4.5+			4	B	20	4.9		
584.96	7	P	13	4.5+			5	B	14	4.8		
	10	P	7	4.5+			3	S	14	6.0		
579.96	10	P	9	4.5+			5	B	11			
	20	P	9	4.5+			11	B	13			
554.96	17	B	8	11.5			22	B	9			
553.46	25	B	8	11.5			36	B	9			
	24	B	8	11.5			44	B	9			
	11	S	8	8.3			18	S	10			
	21	S	8	8.3			45	S	10			
	28	S	8	8.3			50/3"	S	10			
	9	B	9	9.7								
	23	B	9	9.7								
	31	B	9	9.7								
569.96	8	B	12	7.9								
	29	B	12	7.9								
	43	B	12	7.9								
567.46	6	B	12	7.2								
	13	B	12	7.2								
	20	B	12	7.2								
563.46	4	B	12	7.2								
	11	B	12	7.2								
	16	B	12	7.2								

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STRUCTURE ROCK CORING LOG

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ROUTE FAP 774 (IL 32/33) DESCRIPTION Northwest of Ford Avenue, Effingham, Illinois

SECT. 107WRS-1 STRUCT. NO. \_\_\_\_\_ DRILLED BY B. Williamson

COUNTY Effingham

Boring No. B-105 Core Type NX Core Barrel  
Station 1029+00 Core Diameter 2.34 in  
Offset 70.00ft Lt Core Length 17 ft

Surface Elev. 588.46 ft

Top Elev. ft	Coring Notes and Rock Description	Core Run (#)	RECOVERY (%)	R - Q (%)	CORE TIME (Min/ft)	COMP. STH (tsf)
548.46	Gray SANDSTONE with interbedded SHALE	1	100	43	3	
539.46	Gray SANDSTONE with interbedded SHALE	2	86	59	2.5	255
531.46	End of Boring at 57.0'					170

Color pictures of the cores \_\_\_\_\_

Cores will be stored for examination until \_\_\_\_\_

SOIL BORINGS LOGS  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
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