

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL HIGHWAY PROJECT

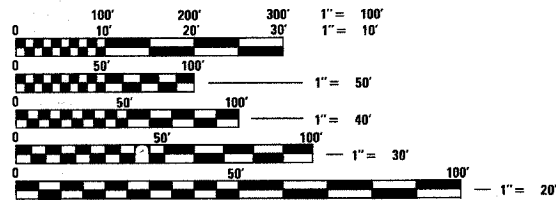
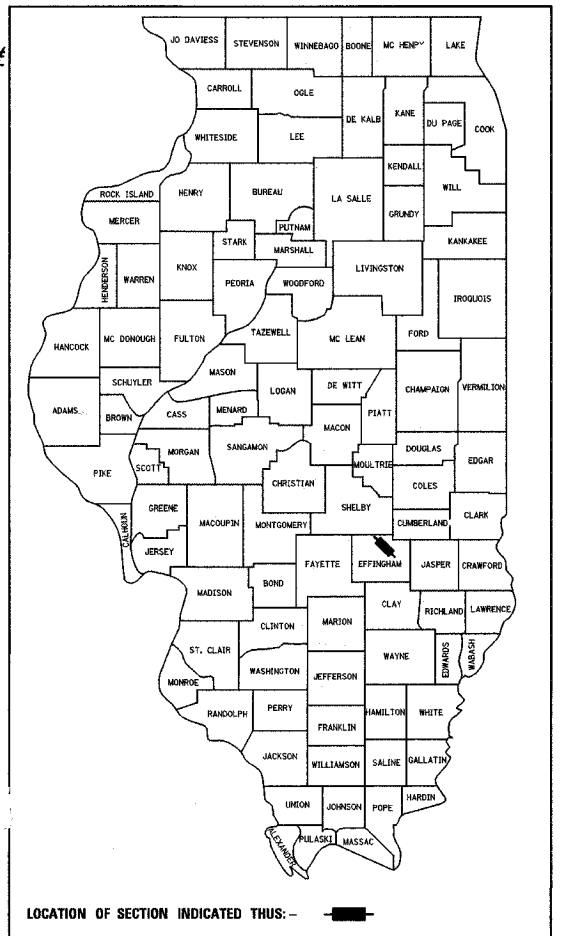
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	267	1
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1				
CONTRACT NO. 94827				

D-97-012-01

NOTE: WHEREVER IN THESE PLANS  
REFERENCE IS MADE TO  
SECTION 107WRS-1, 107BY, 107BY-1,  
107B-2, IT SHALL MEAN  
107WRS-1, 107BY, 107BY-1.

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

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



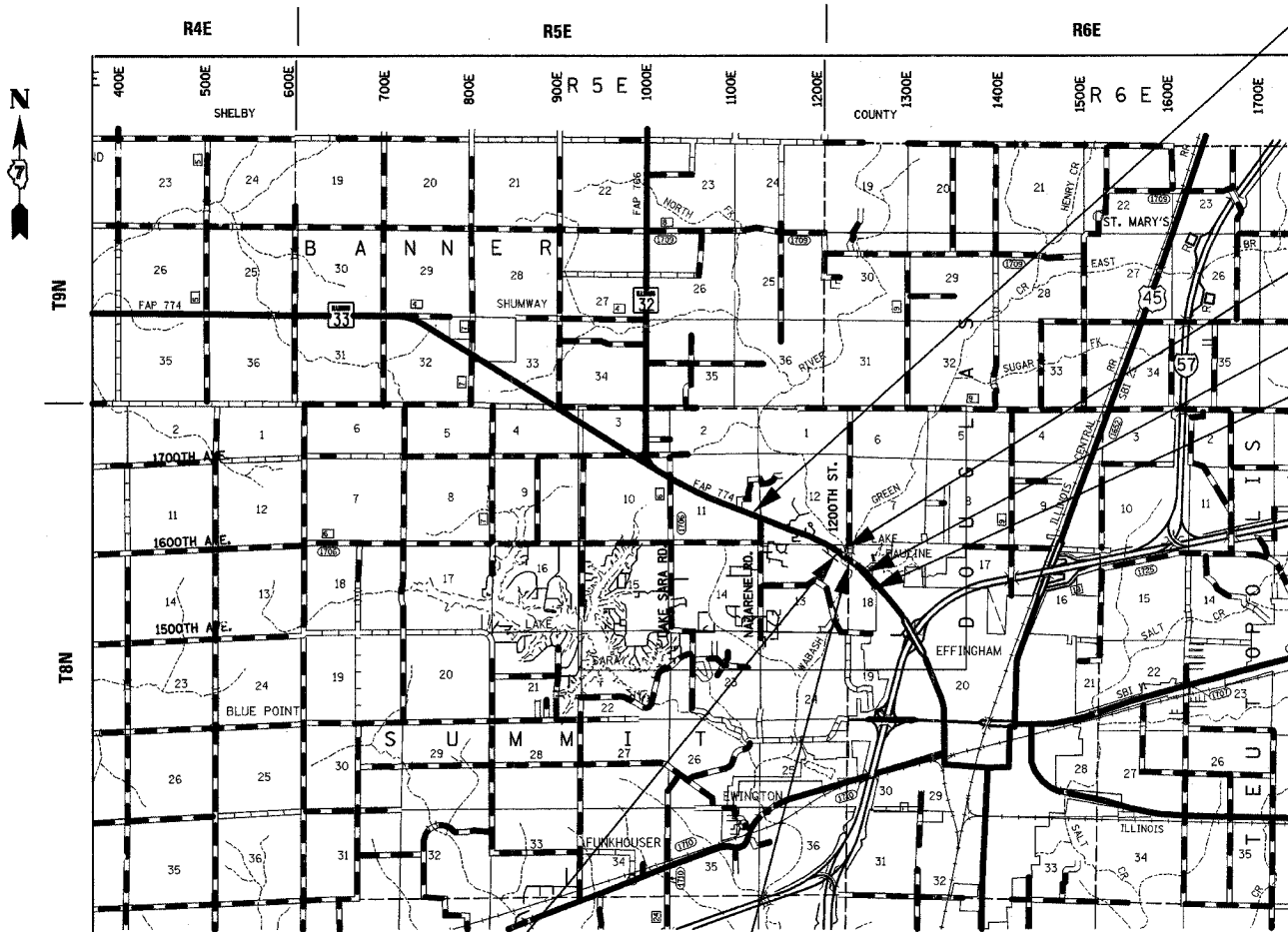
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

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

CONTRACT NO. 94827  
SUMMIT TOWNSHIP  
DOUGLAS TOWNSHIP



PROPOSED IMPROVEMENT BEGINS  
STA. 942 + 50.00

STRUCTURE NO. 025-3161  
BRIDGE SECTION 107B-2  
TO REMAIN

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

LOCATION MAP

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



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

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

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OF THE STATE OF ILLINOIS

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

## 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
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
630201-03	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-03	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 $\geq$ 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 $\geq$ 45 MPH
701201-02	LANE CLOSURE, 2L, 2W. DAY ONLY ON-ROAD TO 600 mm (24") OFF-ROAD FOR SPEEDS $\geq$ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS - DAY ONLY FOR PSEEDS $\geq$ 45 MPH
701321-08	LANE CLOSURE, 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W PAVEMENT WIDENING FOR SPEEDS $\geq$ 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
BLR 21-6	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-4	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (2-LANE 2 WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

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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

## 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.
- 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
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TEMPORARY PAVEMENT MARKING APPLIED ON THE FINAL SURFACE SHALL BE TAPE OR PAINT AS DIRECTED BY THE ENGINEER. 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.

- 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:	N/A
	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 1/2" 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.

- 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 SEEDED. 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.

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

- TEMPORARY FENCE FOR ACCESS CONTROL TO BE INSTALLED AT BEGINNING OF PROJECT AND REMAIN UNTIL COMPLETION OF WORK. CONTRACTOR TO KEEP PERSONNEL AND EQUIPMENT OUT OF FENCED AREA. SEE SHEET 107 FOR TEMPORARY FENCE LOCATION.

## 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	
		GENERAL NOTES AND COMMITMENTS
DATE 8/02		DRAWN BY MLO CHECKED BY JSK

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						
20101000	TEMPORARY FENCE	FOOT	1500	1500							
20200100	EARTH EXCAVATION	CU YD	57,161	28,226	28,935						
20200300	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	356	12	344						
20200400	EARTH EXCAVATION (SPECIAL)	CU YD	14,788							14,788	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,282	2,282							
20300100	CHANNEL EXCAVATION	CU YD	3,724	3,724							
20400800	FURNISHED EXCAVATION	CU YD	786	786							
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,077			568	509				
20800150	TRENCH BACKFILL	CU YD	200	97	103						
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	9925		9925						
<del>21015000</del>	<del>TOPSOIL EXCAVATION AND PLACEMENT</del>	<del>CU YD</del>	<del>15,912</del>	<del>13,639</del>	<del>2,273</del>						
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	1644	110	1534						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,050	1,570	480						
28000300	TEMPORARY DITCH CHECKS	EACH	152	99	53						
28000400	PERIMETER EROSION BARRIER	FOOT	2808	2228	580						
28000500	INLET AND PIPE PROTECTION	EACH	30	15	15						
28100107	STONE RIPRAP, CLASS A4	SQ YD	7188	2,812	1,071	2,295	1,010				
28200100	FILTER FABRIC	SQ YD	7683	2,812	1,566	2,295	1,010				
28400100	GABIONS	CU YD	603	12	591						
30200650	PROCESSING MODIFIED SOILS 12"	SQ YD	40,535	36,570	3,965						
30201500	LIME	TON	1021.5	921.5	100.0						
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	1999	971	1,028						
31100500	SUB-BASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	9925		9925						
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	3407	2528	879						
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	252	227	25						
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	32,129	23,138	8,991						
40600300	AGGREGATE (PRIME COAT)	TON	146	97	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	
		SUMMARY OF QUANTITIES SHEET 1 OF 6
		DRAWN BY ASB CHECKED BY SJK
		DATE 8/02

Rev.



SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		<del>X000-2A</del>	Y007	
				RURAL	URBAN	RURAL	URBAN	<del>RURAL</del>	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	SQ 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	7,953	7,133	820					
48101600	AGGREGATE SHOULDERS, TYPE B 8'	SQ YD	309	152	157					
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8'	SQ YD	11,194	7,939	3,255					
<del>48300100</del>	<del>PORTLAND CEMENT CONCRETE SHOULDER, 6'</del>	<del>SQ YD</del>	<del>173</del>		<del>173</del>					
<del>50100100</del>	<del>REMOVAL OF EXISTING STRUCTURES</del>	<del>EACH</del>	<del>1</del>							
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	676			366	310			
50300100	FLOOR DRAINS	EACH	24			12	12			
50300225	CONCRETE STRUCTURES	CU YD	357.4			236.3	121.1			
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				
<del>50400400</del>	<del>PRECAST PRESTRESSED CONCRETE DECK BEAMS (24" DEPTH)</del>	<del>SQ FT</del>	<del>3,101</del>							
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	371,030			205,600	165,430			
<del>50900205</del>	<del>STEEL RAILING, TYPE S1</del>	<del>FOOT</del>	<del>222</del>							
51201400	FURNISHING STEEL PILES HP 10x42	FOOT	448			448				
51201500	FURNISHING STEEL PILES HP 10x57	FOOT	294				294			
<del>51201600</del>	<del>FURNISHING STEEL PILES HP 12x57</del>	<del>FOOT</del>	<del>600</del>					<del>600</del>		

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 2 OF 6

DATE 8/02

DRAWN BY ASB  
 CHECKED BY SJK

Rev.

11/17/2005 4:51:33 PM

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		<del>X000-2A</del>	Y007	
				RURAL	URBAN	RURAL	URBAN	RURAL	RURAL	URBAN
51202700	DRIVING STEEL PILES	FOOT	742			448	294			
51203400	TEST PILE STEEL HP 10x42	EACH	2			2				
51203500	TEST PILE STEEL HP 10x57	EACH	2				2			
<del>51203600</del>	<del>TEST PILE STEEL HP 12x53</del>	<del>EACH</del>	<del>2</del>					<del>2</del>		
<del>51204315</del>	<del>CONCRETE ENGASEMENT</del>	<del>CU-YD</del>	<del>31.4</del>					<del>31.4</del>		
51205200	TEMPORARY SHEET PILING	SO FT	1,240			900	340			
51500100	NAME PLATES	EACH	2			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					

**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	
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		<del>1000-2A</del>	Y007	
				RURAL	URBAN	RURAL	URBAN	<del>RURAL</del>	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	320						320	
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	6464	2,660	2,981					823
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	812.5	400	412.5					
* 63000130	STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)	FOOT	91	67	24.0					
<del>* 63100075</del>	<del>TRAFFIC BARRIER TERMINAL, TYPE 5A</del>	<del>EACH</del>	<del>4</del>	<del>4</del>						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	4	4					
* 63100167	TRAFFIC BARRIER TERMINAL TYPE I, SPECIAL (TANGENT)	EACH	5	2	3					
63200310	GUARDRAIL REMOVAL	FOOT	717	338	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  SUMMARY OF QUANTITIES SHEET 4 OF 6  DRAWN BY ASB CHECKED BY SJK DATE 8/02
NAME	DATE	



SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
PAY CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	1000-2A		X071-2A		<del>X000-2A</del>	Y007	
				RURAL	URBAN	RURAL	URBAN	<del>RURAL</del>	RURAL	URBAN
Z0031301	JACKING AND CRIBBING, LOCATION NO. 1	L SUM	1							
Z0031302	JACKING AND CRIBBING, LOCATION NO. 2	L SUM	1			1				
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	3,568	1,614	1,954					
<del>Z0043900</del>	<del>PREFORMED JOINT FILLER</del>	<del>FOOT</del>	<del>780</del>		<del>780</del>					
* 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	1901						1,901	
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	1783	869	914					
X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	3982	2791	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	15	12	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	7712	5927	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					
<del>X5020501</del>	<del>UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 1</del>	<del>EACH</del>	<del>1</del>							
<del>X5020502</del>	<del>UNDERWATER STRUCTURE EXCAVATION PROTECTION-LOCATION 2</del>	<del>EACH</del>	<del>1</del>							
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					

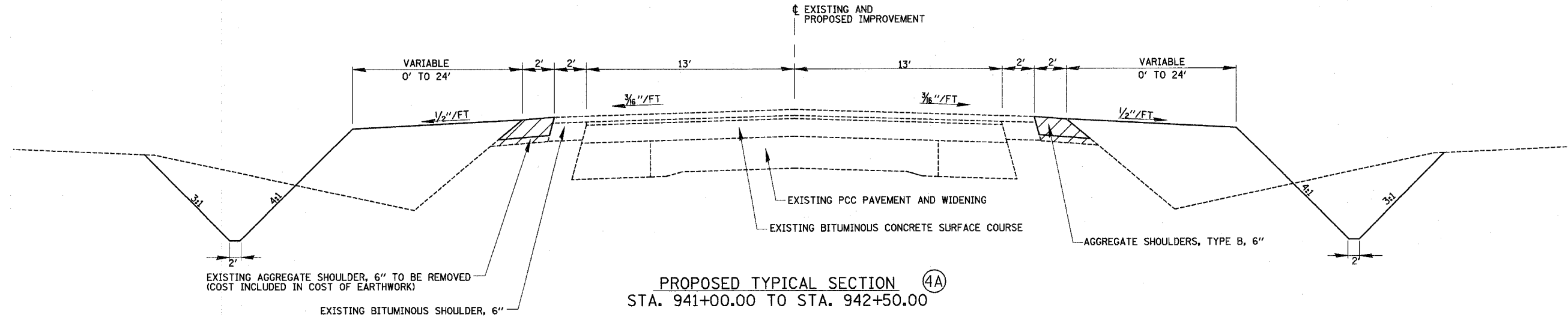
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NOTE:  
RURAL STA. 942+50.00 TO STA. 1016+00.00  
URBAN STA. 1016+00.00 TO STA. 46+80.05  
\*DENOTES SPECIALTY ITEM

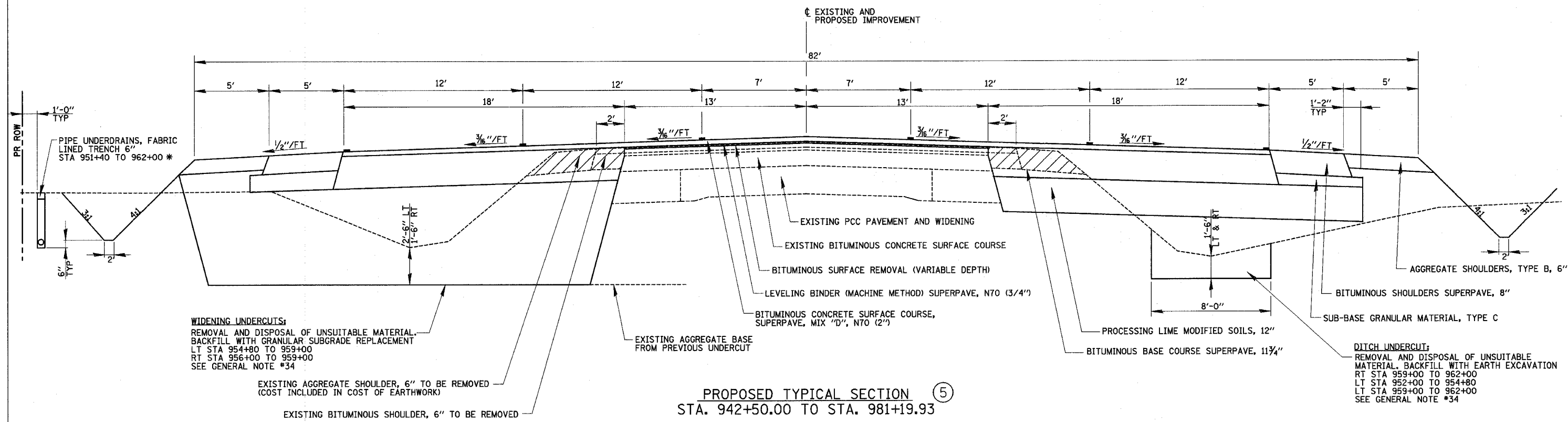
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES SHEET 6 OF 6  DRAWN BY ASB CHECKED BY SJK DATE 8/02

Rev.

TYPICAL SECTIONS NO. ① THRU ④ NOT USED



PROPOSED TYPICAL SECTION ④A  
STA. 941+00.00 TO STA. 942+50.00



PROPOSED TYPICAL SECTION ⑤  
STA. 942+50.00 TO STA. 981+19.93

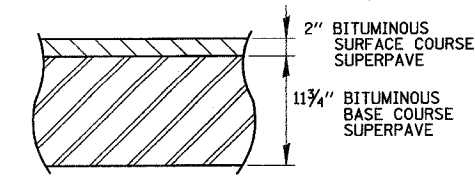
**WIDENING UNDERCUTS:**  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. BACKFILL WITH GRANULAR SUBGRADE REPLACEMENT  
LT STA 954+80 TO 959+00  
RT STA 956+00 TO 959+00  
SEE GENERAL NOTE #34

**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  
PV = 32% SU = 45% MU = 45%  
MINIMUM SOIL SUPPORT: 1BR = 2  
TRAFFIC FACTOR T<sub>F</sub> = 4.27

TYPICAL SECTION ⑥ NOT USED



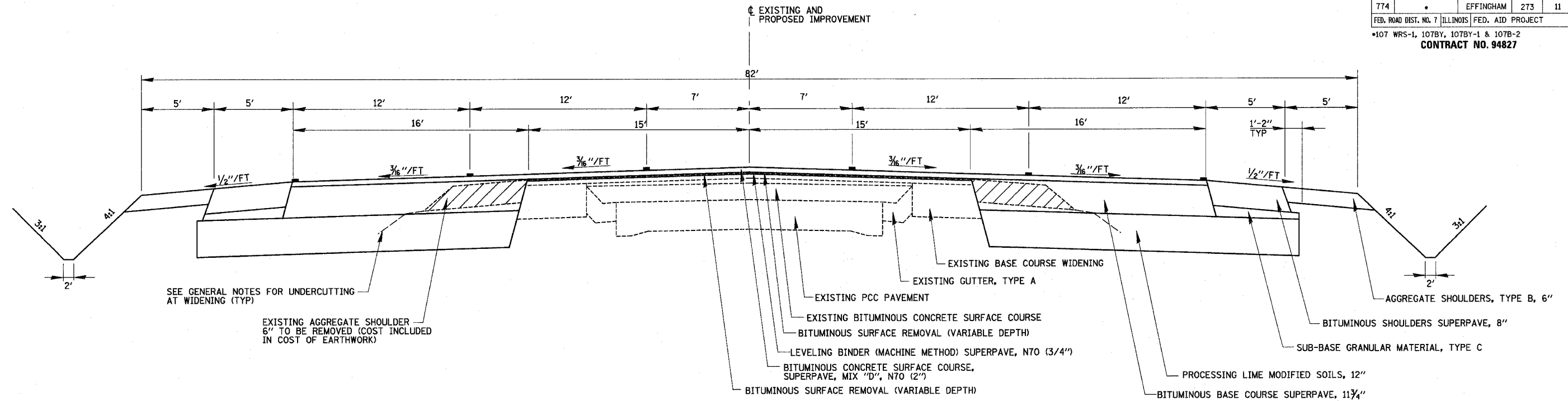
DETAIL OF WIDENING WITH RESURFACING  
(TYPICAL ALL SECTIONS)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
TYPICAL SECTIONS  
SHEET 1 OF 8

DATE 8/02  
DRAWN BY MLO  
CHECKED BY SJK

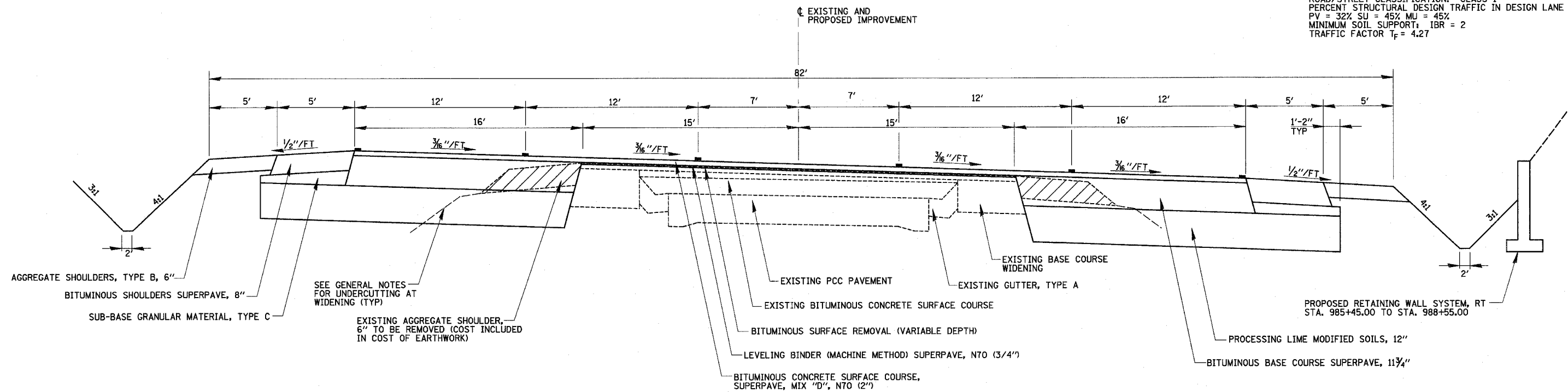
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	11
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107 WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



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  
 PV = 32% SU = 45% MU = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27

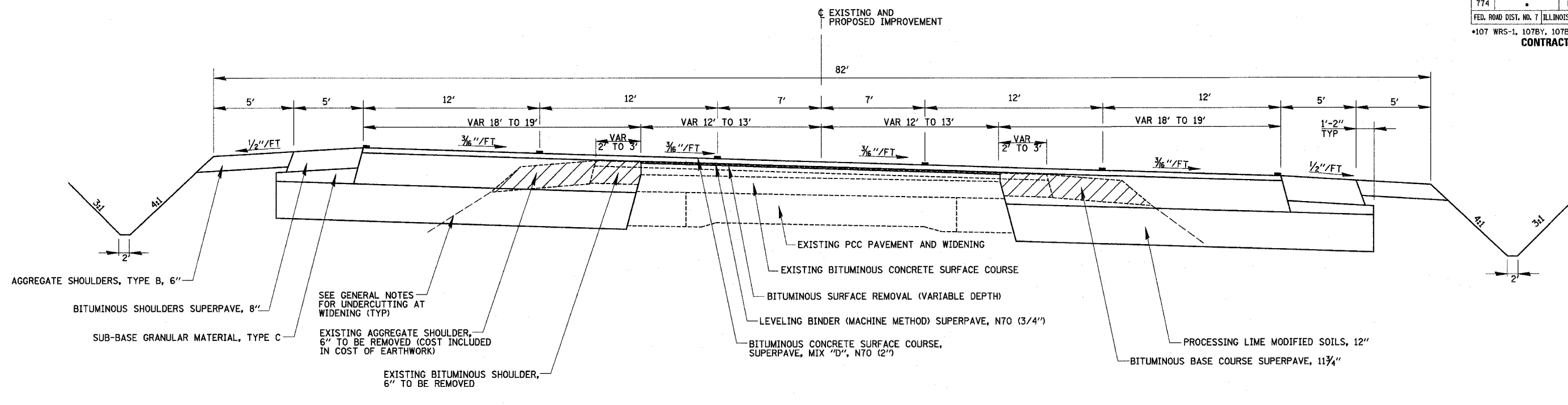


PROPOSED TYPICAL SECTION  
STA. 988+35.24 TO STA. 995+37.93 (8)

REVISIONS	
NAME	DATE

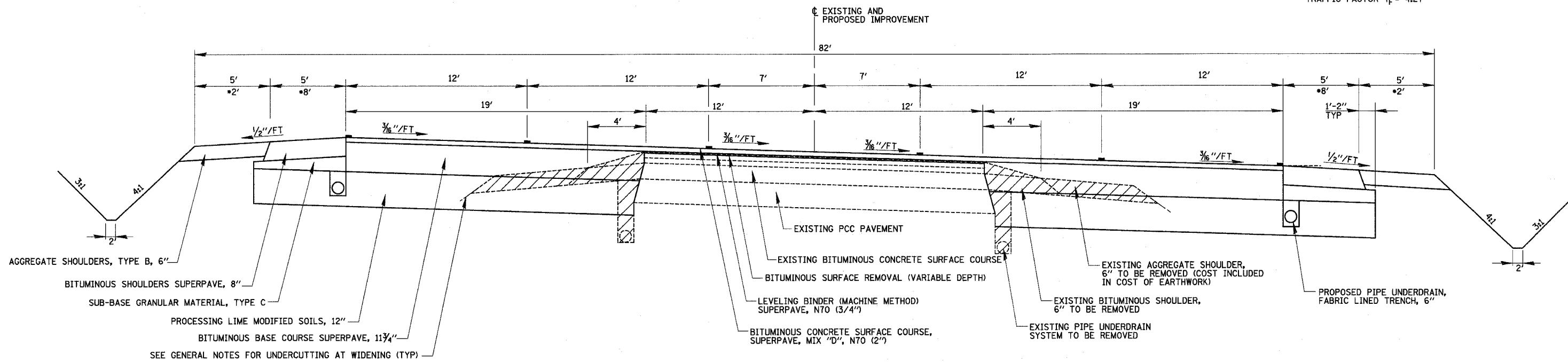
ILLINOIS DEPARTMENT OF TRANSPORTATION  
  
 TYPICAL SECTIONS  
 SHEET 2 OF 8  
  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02





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

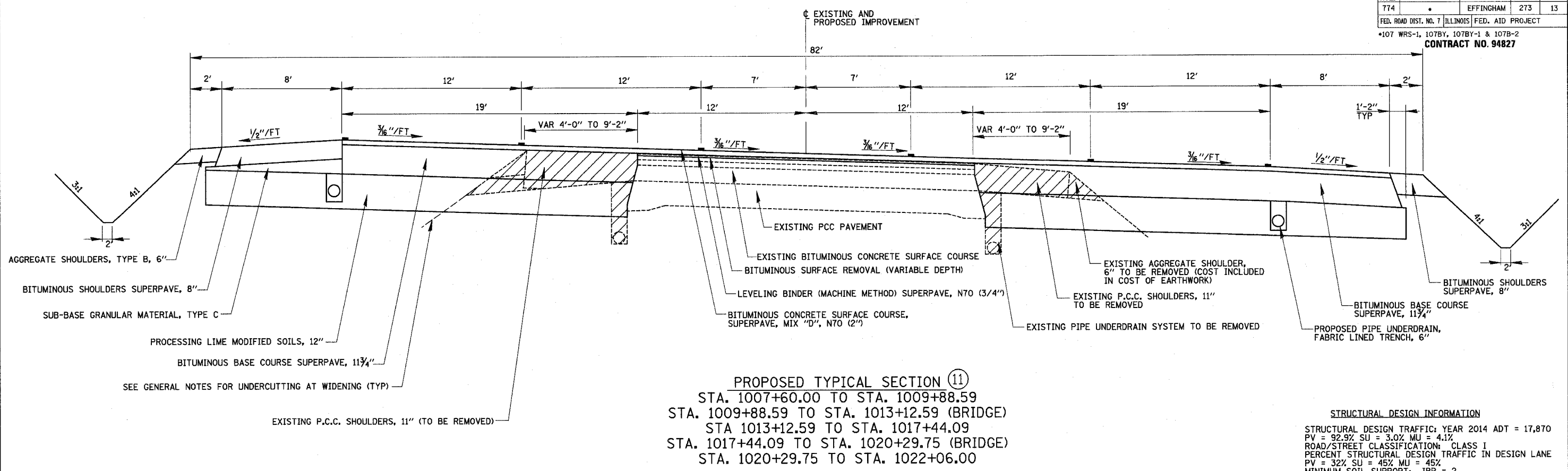
STRUCTURAL DESIGN INFORMATION  
 STRUCTURAL DESIGN TRAFFIC: YEAR 2014 ADT = 17,870  
 PV = 92.9% SU = 3.0% MU = 4.1%  
 ROAD/STREET CLASSIFICATION: CLASS I  
 PERCENT STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
 PV = 32% SU = 45% MU = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27



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

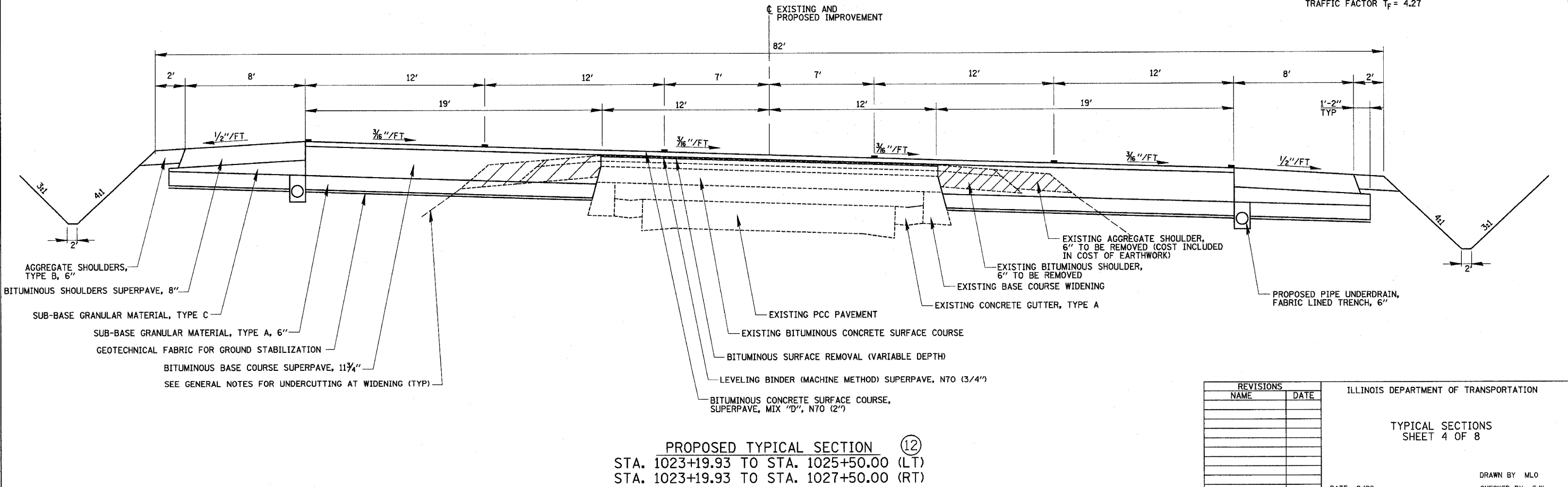
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TYPICAL SECTIONS  
 SHEET 3 OF 8  
 DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK



**PROPOSED TYPICAL SECTION (11)**  
 STA. 1007+60.00 TO STA. 1009+88.59  
 STA. 1009+88.59 TO STA. 1013+12.59 (BRIDGE)  
 STA. 1013+12.59 TO STA. 1017+44.09  
 STA. 1017+44.09 TO STA. 1020+29.75 (BRIDGE)  
 STA. 1020+29.75 TO STA. 1022+06.00

**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  
 PV = 32% SU = 45% MU = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27

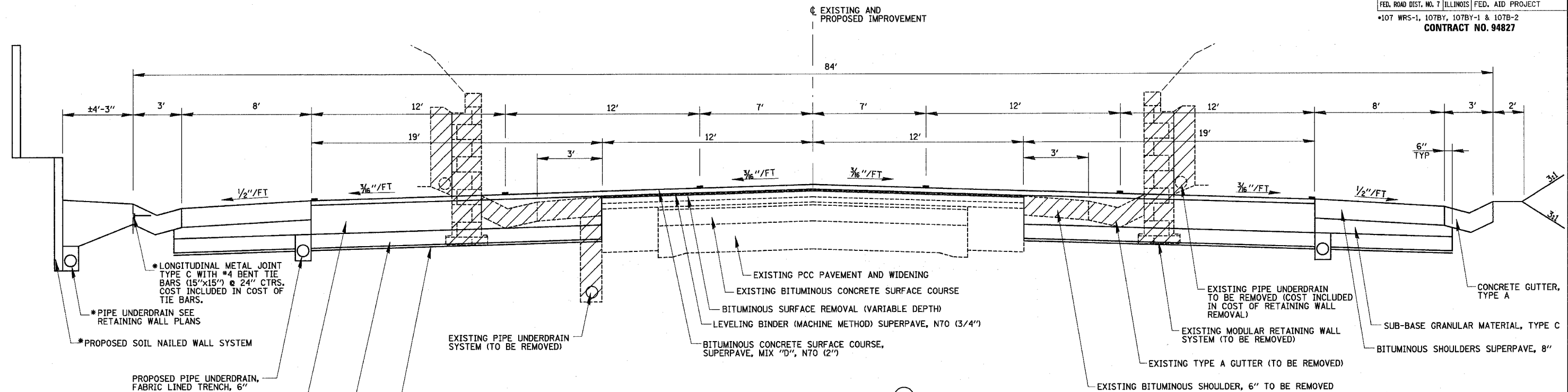


**PROPOSED TYPICAL SECTION (12)**  
 STA. 1023+19.93 TO STA. 1025+50.00 (LT)  
 STA. 1023+19.93 TO STA. 1027+50.00 (RT)

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NAME	DATE

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

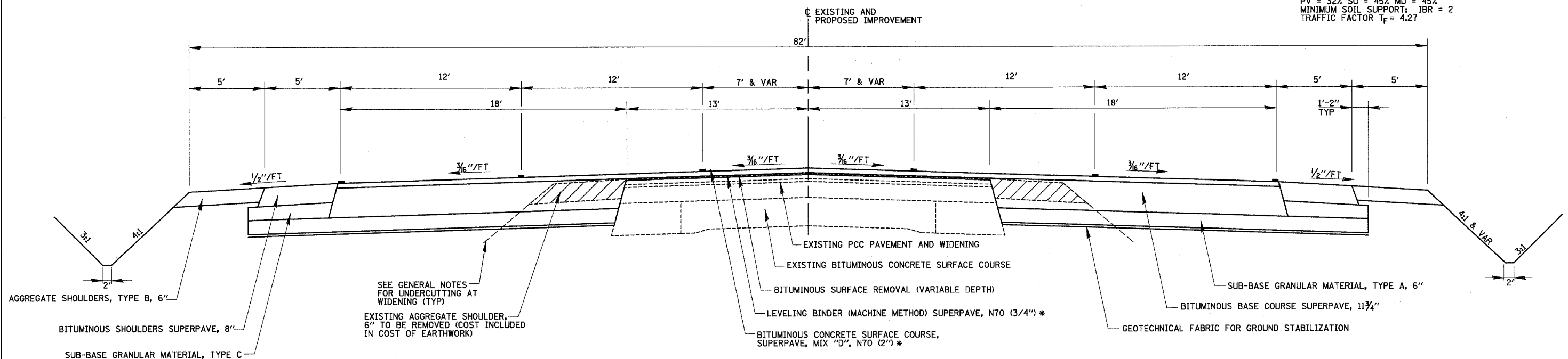
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107 WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



**PROPOSED TYPICAL SECTION 13**  
 STA. 1025+50.00 TO STA. 1034+00.00 (LT)  
 STA. 1027+50.00 TO STA. 1034+00.00 (RT)

**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  
 PV = 32% SU = 45% MU = 45%  
 MINIMUM SOIL SUPPORT: IBR = 2  
 TRAFFIC FACTOR T<sub>F</sub> = 4.27

\* STA. 1026+06.00 TO STA. 1033+86.00



**PROPOSED TYPICAL SECTION 14**  
 STA. 1034+00.00 TO STA. 1039+00.00  
 STA. 39+00.00 TO STA. 40+10.00

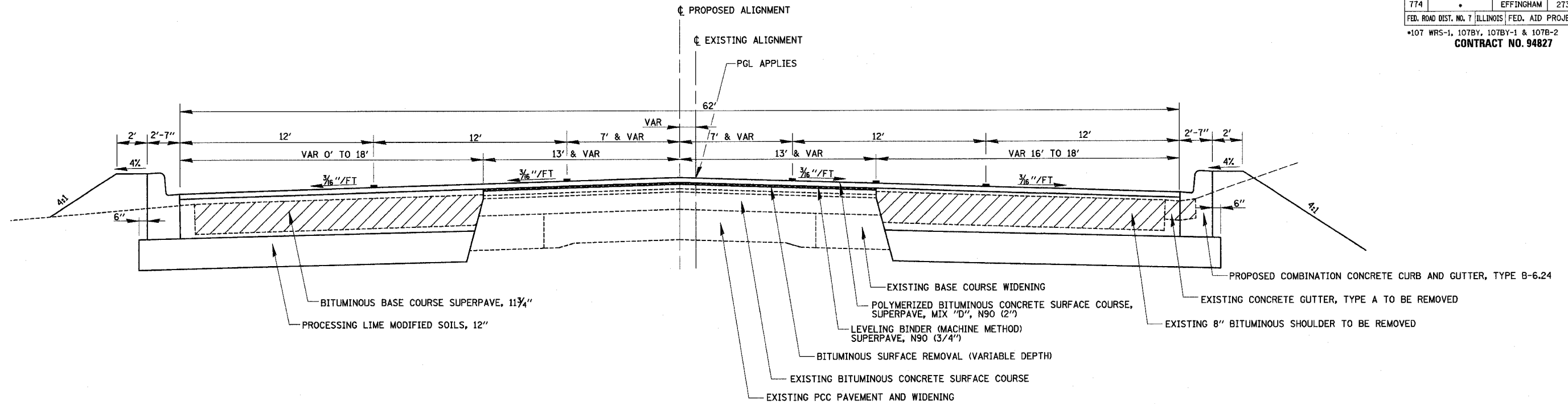
\* STA. 39+00.00 TO STA. 40+10.00 USES LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N90 (3/4") AND POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N90 (2")

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 SHEET 5 OF 8

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

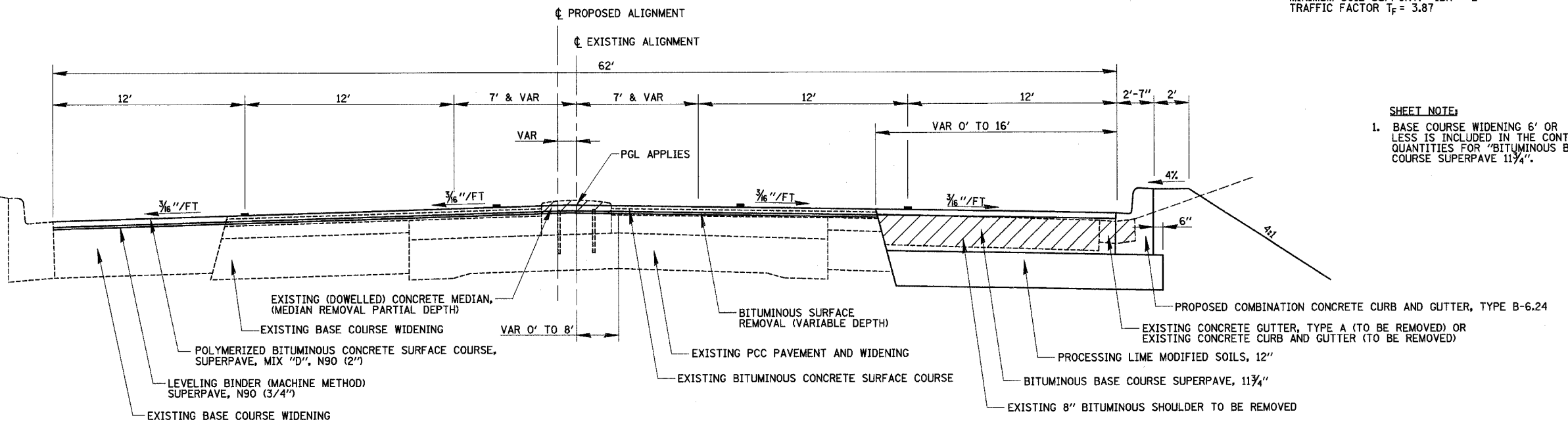


PROPOSED TYPICAL SECTION (15)  
STA. 40+10.00 TO STA. 41+31.63

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  $T_F$  = 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

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ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
SHEET 6 OF 8

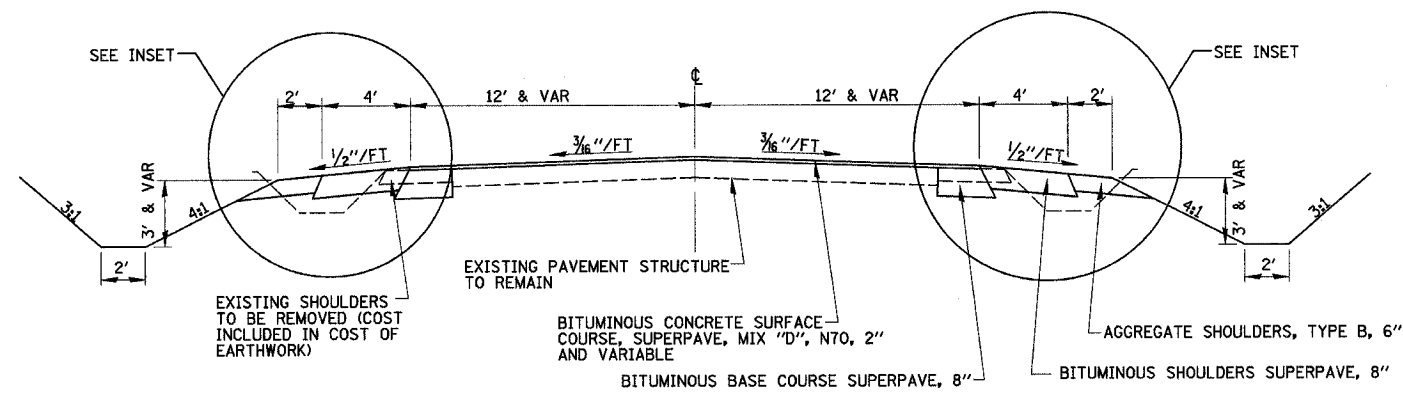
DATE 8/02

DRAWN BY MLO  
CHECKED BY SJK

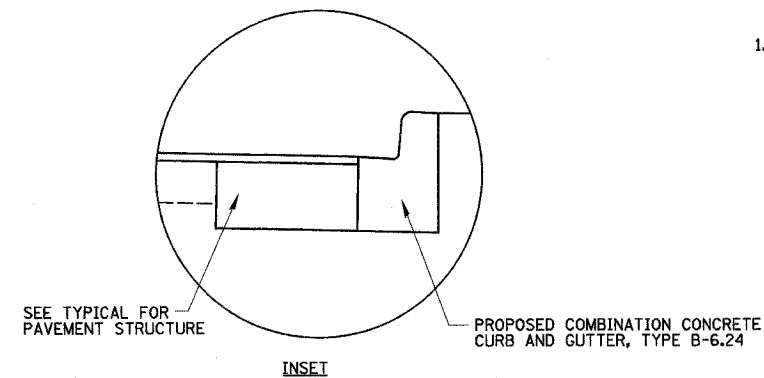
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	16
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

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)



PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 IN LIEU OF SHOULDERS  
LT STA. 83+72.00 TO STA. 84+48.00 (RELOC NAZARENE RD)  
RT STA. 83+61.00 TO STA. 84+46.00 (RELOC NAZARENE RD)

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

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

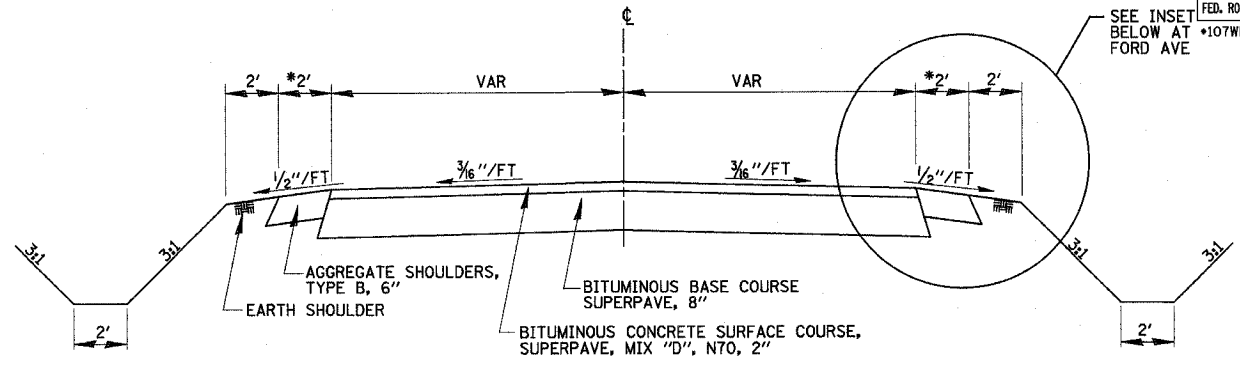
TYPICAL SECTIONS  
SHEET 7 OF 8

DATE 8/02  
DRAWN BY MLO  
CHECKED BY SJK

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

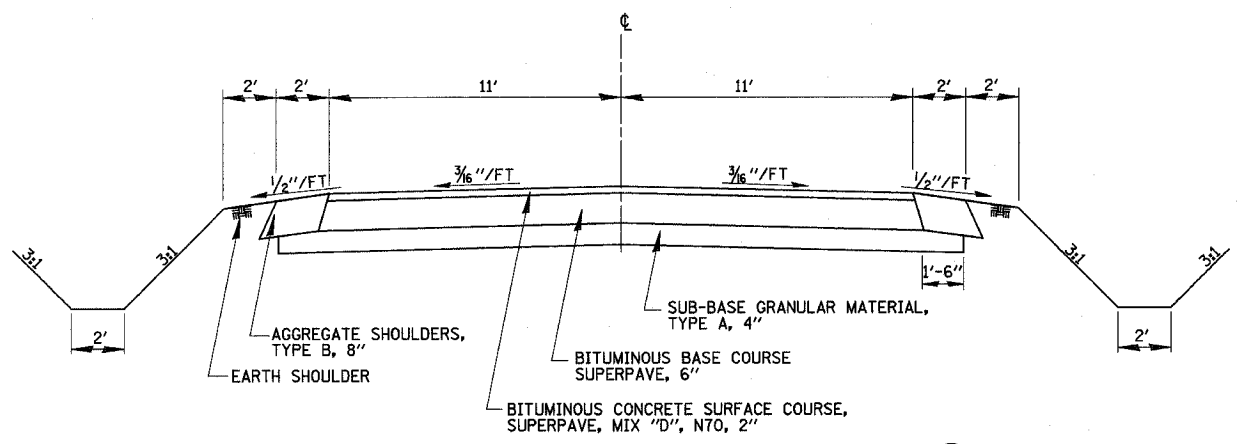
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 \*107WRS-1, 107BY, 107BY-1 & 107B-2  
**CONTRACT NO. 94827**

TYPICAL SECTION (20) NOT USED

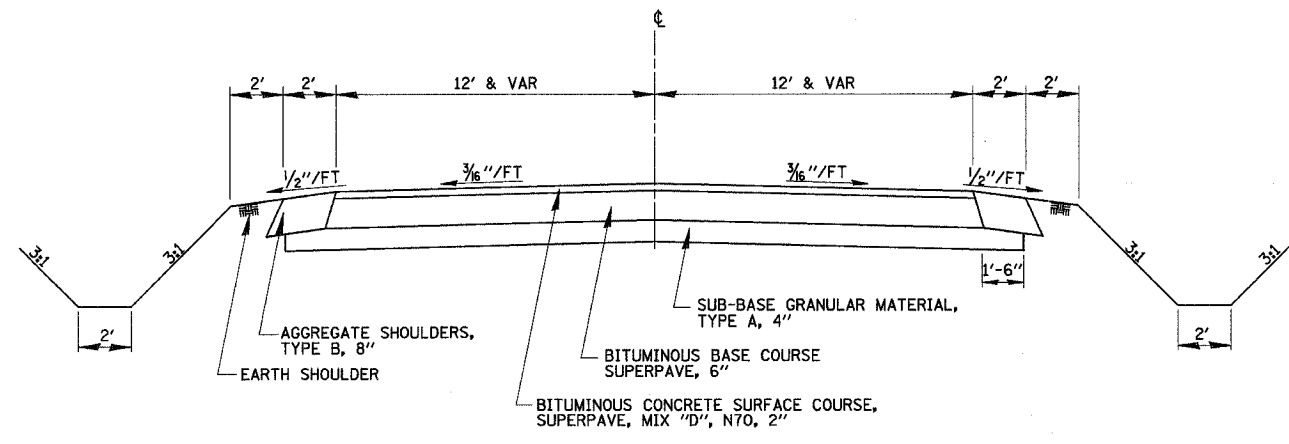


\* 2' AGGREGATE SHOULDERS, TYPE B, 8" AT 1200TH ST AND WOOD BIRD DR.  
 COMBINATION CONCRETE CURB & GUTTER AT FORD AVE.

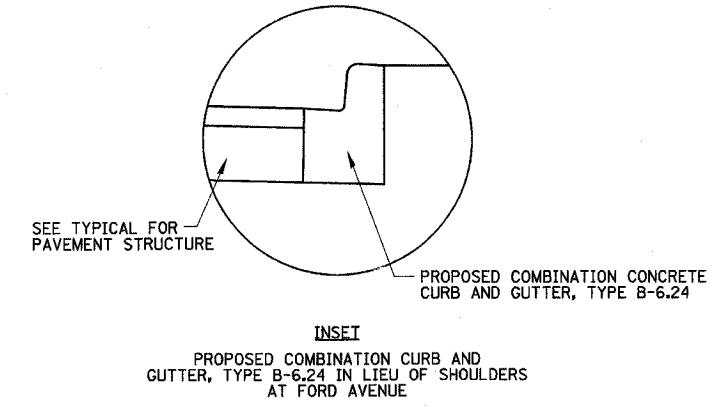
- TYPICAL PUBLIC ROAD RETURN SECTION (23)**  
 STA. 240+31.00 TO STA. 241+75.00 (WEBB ST)  
 STA. 90+33.47 TO STA. 91+25.00 (BRIARWOOD DR)  
 STA. 98+75.00 TO STA. 99+68.58 (LYNN ACRES DR)  
 STA. 105+31.00 TO STA. 106+00.00 (COUNTRY ESTATE RD)  
 STA. 110+31.00 TO STA. 110+61.00 (LEPRECHAUN LN)  
 STA. 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+78.07 TO STA. 202+00.00 (RELOCATED 1200TH ST)  
 STA. 300+11.00 TO STA. 302+21.59 (1200TH ST CONNECTOR)



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

**TREE REMOVAL (GREATER THAN 15 UNITS)**

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
SOUTH SIDE OF GREEN CREEK	2 - 22"	44
	2 - 23"	46
	1 - 24"	24
	2 - 26"	52
	1 - 32"	32
NORTH SIDE OF GREEN CREEK	1 - 18"	18
	1 - 32"	32
		TOTAL 739

**GEOTECHNICAL FABRIC FOR GROUND STABILIZATION**

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	1343
1034+00.00 1039+00.00	RT	1343
39+00.00 40+10.00	LT	295
39+00.00 40+10.00	RT	295
		TOTAL 9925

**TREE REMOVAL (6-15 UNITS)**

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
SOUTH SIDE OF GREEN CREEK	2 - 10"	20
	3 - 12"	36
	5 - 14"	70
	2 - 15"	30
	2 - 7"	14
NORTH SIDE OF GREEN CREEK	3 - 10"	30
	1 - 14"	14
	2 - 15"	30
		TOTAL 685

**PROCESSING MODIFIED SOILS, 12"**

STATION TO STATION	OFFSET	AREA (SQ. YD.)	LIME (TON)
942+50.00 1016+00.00	LT&RT	36570	921.5
1016+00.00 1023+19.93	LT&RT	2718	68.5
40+10.00 46+80.05	LT&RT	1247	31.5
		TOTAL 40535	1021.5

**GRANULAR SUBGRADE REPLACEMENT**

STATION TO STATION	OFFSET	AREA (CU. YD.)
956+00.00 959+00.00	RT	709
954+80.00 959+00.00	LT	1012
		TOTAL 1721

**SUB-BASE GRANULAR MATERIAL, TYPE A, 4"**

LOCATION	STATION TO STATION	SO YD
1200TH ST.	200+78.07 202+00.00	324
1200TH CONN.	300+11.00 302+21.59	647
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 1999

**TREE REMOVAL, ACRES**

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

**SUB-BASE GRANULAR MATERIAL, TYPE A, 6"**

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	1343
1034+00.00 1039+00.00	RT	1343
39+00.00 40+10.00	LT	295
39+00.00 40+10.00	RT	295
		TOTAL 9925

**TRENCH BACKFILL**

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

**SUB-BASE GRANULAR MATERIAL, TYPE C**

LOCATION	STATION TO STATION	OFFSET	TONS
MAINLINE	942+50.00 981+19.93	LT&RT	1348
MAINLINE	981+19.93 995+37.93	LT&RT	521
MAINLINE	995+37.93 1016+00.00	LT&RT	659
MAINLINE	1016+00.00 1039+00.00	LT&RT	837
MAINLINE	39+00.00 40+10.00	LT&RT	42
		TOTAL	3407

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
SHEET 1 OF 4

DRAWN BY ASB  
CHECKED BY SJK

DATE 03/03



CONTRACT NO. 94827

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	200+78.07	LT&RT	98
1200TH ST.	200+78.07	202+00.00	LT&RT	149
1200TH CONN.	300+11.00	302+21.59	LT&RT	286
<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	50
1200TH CONN.	300+11.00	302+21.59	LT&RT	57
<b>TOTAL</b>				<b>32129</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	202+00.00	LT&RT	0.8
1200TH CONN.	300+11.00	302+21.59	LT&RT	1.0
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>146.0</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> <b>SHEET 2 OF 4</b>  <small>DRAWN BY ASB</small> <small>CHECKED BY SJK</small>

AGGREGATE SHOULDERS, TYPE B, 6"			
STATION TO STATION	OFFSET		SQ. YD.
941+00.00	942+50.00	LT	83
942+50.00	952+80.00	LT	572
953+45.00	957+80.00	LT	242
958+35.00	969+12.00	LT	598
969+67.00	973+12.00	LT	192
973+36.00	977+21.00	LT	214
977+69.00	981+19.93	LT	195
941+00.00	942+50.00	RT	83
942+50.00	954+90.00	RT	689
956+20.00	967+17.00	RT	609
967+40.00	970+26.00	RT	159
970+57.00	972+12.00	RT	86
972+51.00	974+50.00	RT	111
975+00.00	977+31.00	RT	128
977+65.00	981+19.93	RT	197
981+19.93	981+90.00	LT	39
982+35.00	988+35.24	LT	333
981+19.93	981+97.00	RT	43
982+30.00	988+35.24	RT	336
988+35.24	990+90.00	LT	142
991+40.00	995+37.93	LT	221
988+35.24	991+13.00	RT	154
991+60.00	995+37.93	RT	210
995+37.93	1004+69.93	LT	518
995+37.93	1004+69.93	RT	518
1004+69.93	1007+60.00	LT	161
1004+69.93	1007+60.00	RT	161
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+41.97	1014+99.70	RT	35
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	258
1034+00.00	1037+30.00	RT	183
1037+75.00	1039+00.00	RT	69
39+00.00	40+10.00	LT	61
39+00.00	40+10.00	RT	61
82+36.29	83+59.97	RT	27
82+36.29	83+72.87	LT	30
TOTAL			7953

BITUMINOUS SHOULDERS, SUPERPAVE, 8"			
STATION TO STATION	OFFSET		SQ. YD.
942+50.00	952+80.00	LT	572
953+45.00	957+80.00	LT	242
958+35.00	969+12.00	LT	598
969+67.00	973+12.00	LT	192
973+36.00	977+21.00	LT	214
977+69.00	981+19.93	LT	195
942+50.00	954+90.00	RT	689
956+20.00	967+17.00	RT	609
967+40.00	970+26.00	RT	159
970+57.00	972+12.00	RT	86
972+51.00	974+50.00	RT	111
975+00.00	977+31.00	RT	128
977+65.00	981+19.93	RT	197
981+19.93	981+90.00	LT	39
982+35.00	988+35.24	LT	333
981+19.93	981+97.00	RT	43
982+30.00	988+35.24	RT	336
988+35.24	990+90.00	LT	142
991+40.00	995+37.93	LT	221
988+35.24	991+13.00	RT	154
991+60.00	995+37.93	RT	210
995+37.93	1004+69.93	LT	518
995+37.93	1004+69.93	RT	518
1004+69.93	1007+60.00	LT	161
1004+69.93	1007+60.00	RT	161
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	70
1008+23.35	1010+04.87	RT	202
1012+95.11	1014+67.80	LT	192
1015+12.00	1016+00.00	LT	78
1013+41.97	1014+99.70	RT	140
1014+99.70	1015+56.16	RT	65
1015+56.16	1016+00.00	RT	49
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	154
1020+34.92	1021+95.35	LT	178
1020+34.92	1020+68.20	RT	37
1020+68.20	1021+24.66	RT	66
1021+24.66	1021+45.79	RT	19
1021+98.50	1022+06.00	RT	7
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	258
1034+00.00	1037+30.00	RT	183
1037+75.00	1039+00.00	RT	69
39+00.00	40+10.00	LT	61
39+00.00	40+10.00	RT	61
82+36.29	83+59.97	RT	55
82+36.29	83+72.87	LT	61
TOTAL			11194

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
WSH 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	2
1020+20.40	1021+80.40	LT	3
TOTAL			12

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

AGGREGATE SHOULDERS, TYPE B, 8"				
LOCATION	STATION TO STATION	OFFSET	SQ. YD.	
1200TH ST.	200+36.63	202+00.00	RT	37
1200TH ST.	200+51.20	200+86.60	LT	8
1200TH ST.	201+77.03	202+00.00	LT	5
1200TH CONN.	300+11.00	302+21.59	LT	51
1200TH CONN.	300+11.00	302+21.59	RT	51
WOOD BIRD	297+30.74	297+79.29	LT	12
WOOD BIRD	298+33.29	299+38.92	LT	21
WOOD BIRD	297+30.74	299+38.92	RT	54
WOOD BIRD	299+38.92	299+68.92	LT	5
WOOD BIRD	299+38.92	299+68.92	RT	5
WOOD BIRD	308+74.14	309+88.00	LT	32
WOOD BIRD	308+74.14	309+88.00	RT	28
TOTAL			309	

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		

TIE BARS

STATION TO STATION	OFFSET	EACH
1026+06.00	1033+86.00	LT
		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	SO. YD.
1200TH ST.	200+78.07	202+00.00	LT&RT 298
1200TH CONN.	300+11.00	302+21.59	LT&RT 571
WOODBIRD	297+30.74	299+38.92	LT&RT 580
WOODBIRD	308+74.14	309+88.00	LT&RT 334
TOTAL 1783			

BITUMINOUS BASE COURSE, SUPERPAVE, 8"

LOCATION	STATION TO STATION	OFFSET	SO. 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	SO. YD.
NAZARENE	955+36.99	955+5658	RT 8
TOTAL 8			

BITUMINOUS BASE COURSE, SUPERPAVE, 1 1/4"

STATION TO STATION	OFFSET	SO. 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 33
1200TH CONN.	300+11.00	302+21.59	LT&RT 64
WOOD BIRD	297+30.74	299+38.92	LT&RT 65
WOOD BIRD	308+74.14	309+88.00	LT&RT 37
TOTAL 7362			

(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) CU YD	EARTH EXCAVATION (SPECIAL) (CUT) CU YD	CHANNEL EXCAVATION (CUT) CU YD	*EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT (FILL) CU YD	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU YD
RT	MAIN LINE	941+00.00	1010+00.00	12,200	-	-	9,150	9,137	13
RT	MAIN LINE	1013+00.00	1016+00.00	153	-	-	115	2,196	-2,081
RT	MAIN LINE	1016+00.00	1017+00.00	58	-	-	44	839	-795
RT	MAIN LINE	1020+00.00	46+80.05	18,991	-	-	14,243	6,688	7,555
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	331	-	-	248	-	248
STAGE I TOTAL				38,211	0	0	28,659	19,215	9,444

**EARTHWORK STAGE II**

OFFSET	LOCATION	STATION TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
LT	MAIN LINE	941+00.00	1010+00.00	13,694	-	-	10,271	11,208	-937
LT	MAIN LINE	1013+00.00	1016+00.00	527	-	-	395	4,177	-3,782
LT	MAIN LINE	1016+00.00	1017+00.00	50	-	-	38	882	-844
LT	MAIN LINE	1020+00.00	1026+03.00	2,207	-	-	1,655	1,229	426
LT	MAIN LINE	1026+03.00	1033+86.00	-	14,738	-	11,054	-	11,054
LT	MAIN LINE	1033+86.00	46+80.05	1,689	-	-	1,267	2,852	-1,585
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	208+05.00	378	-	-	284	13,456	-13,172
LT & RT	GREEN CREEK	499+25.00	503+25.00	-	-	3724	2,793	4458	-1,665
LT & RT	LAKE RD	150+00.00	151+05.03	33	-	-	25	3	22
STAGE II TOTAL				18,950	14,738	3,724	28,061	38,291	-10,230
GRAND TOTAL				57,161	14,738	3,724	56,720	57,506	-786

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

**SEEDING**

STATION TO	STATION	OFFSET	SEEDING CLASS 2A ACRE	SEEDING CLASS 4A ACRE	SEEDING CLASS 4B ACRE	SEEDING CLASS 5 ACRE	SEEDING CLASS 5B ACRE	NITROGEN FERTILIZER POUND	PHOSPHOROUS FERTILIZER POUND	POTASSIUM FERTILIZER POUND	AGRICULTURAL GROUND LIMESTONE TON	MULCH METHOD 2 TON	TEMPORARY EROSION CONTROL SEEDING 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
201+45.00	208+50.00	LT	0.4	-	1.8	-	1.8	198	198	198	4.4	4.4	220
201+00.00	208+50.00	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	668
LT	MAIN LINE	952+00.00	962+00.00	1614
TOTAL				2,282

REVISIONS	
NAME	DATE

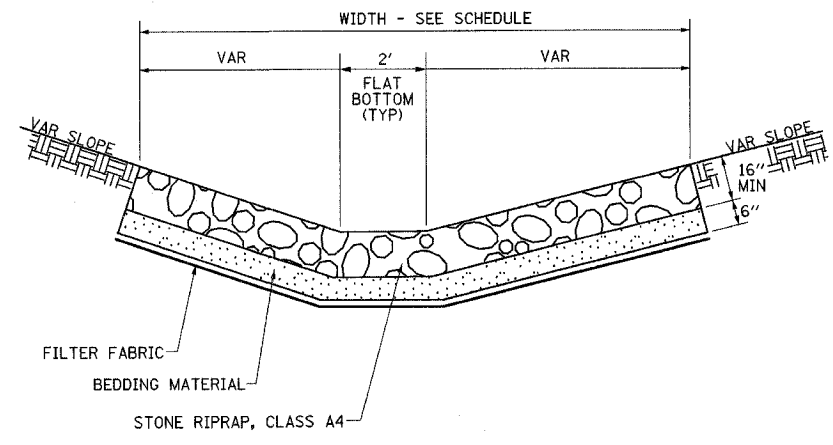
ILLINOIS DEPARTMENT OF TRANSPORTATION

**EARTHWORK AND SEEDING SCHEDULES**

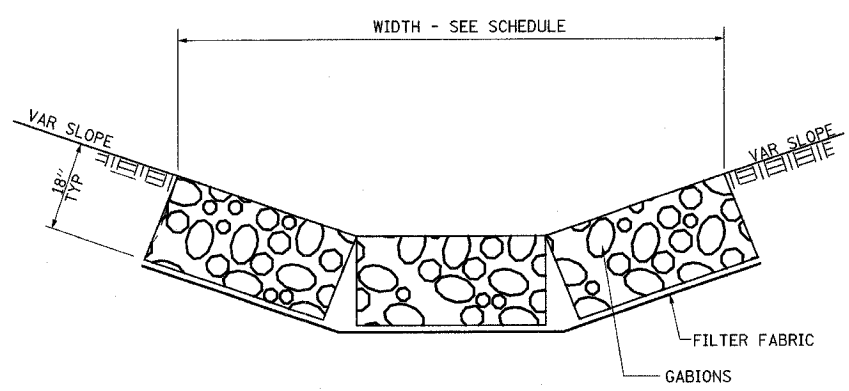
DATE 8/02

DRAWN BY MLO  
 CHECKED BY TGC

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\"/>

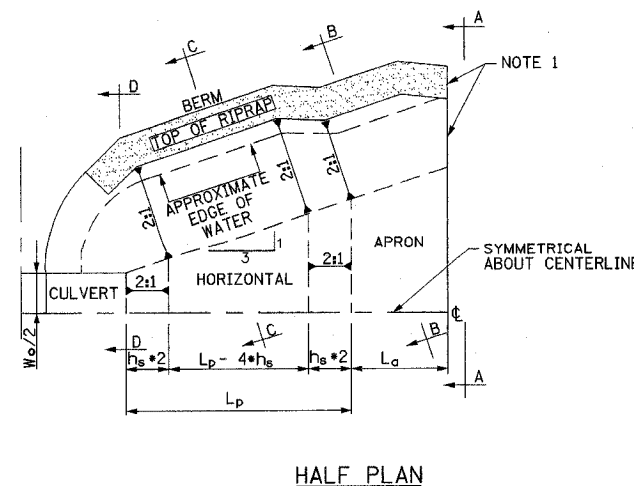
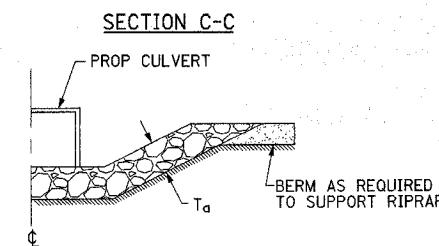
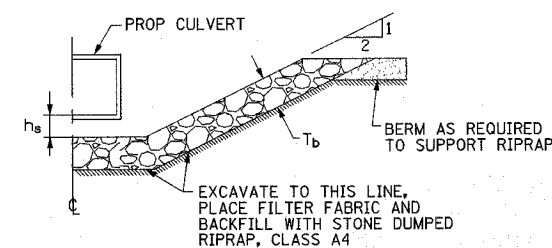
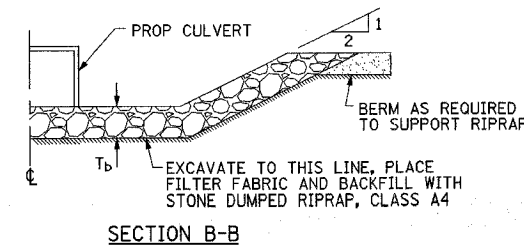
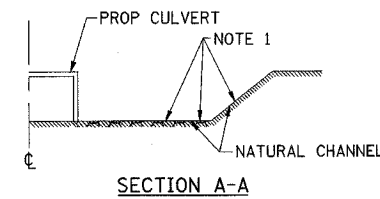
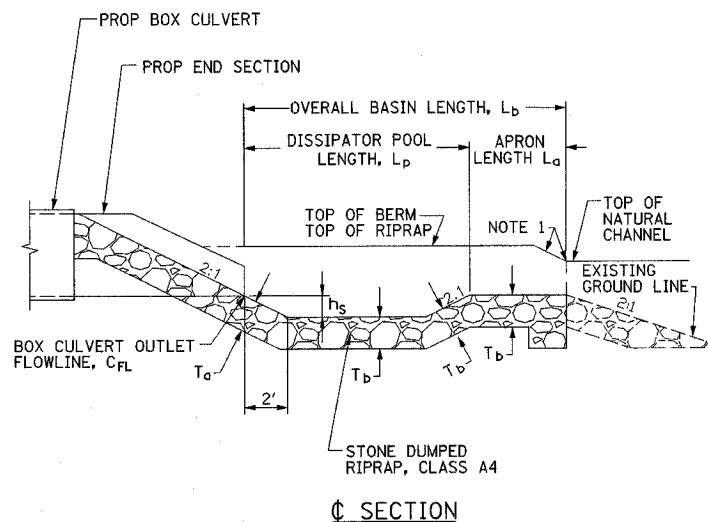
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NAME	DATE

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DITCH RIPRAP  
SCHEDULE AND DETAILS

DATE 8/02

DRAWN BY MLO  
CHECKED BY TGC



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.

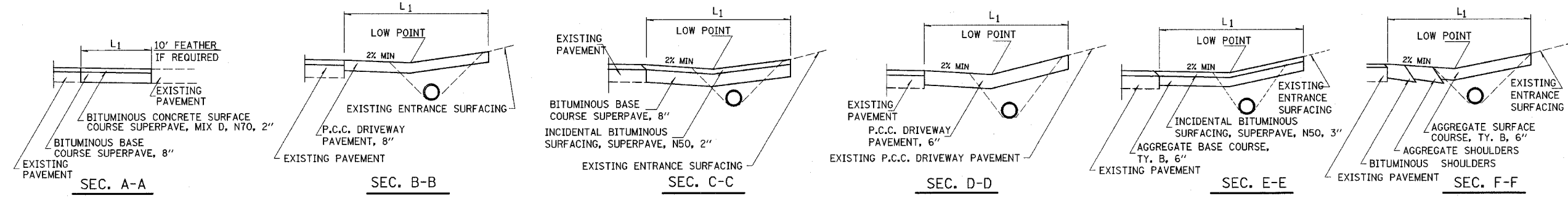
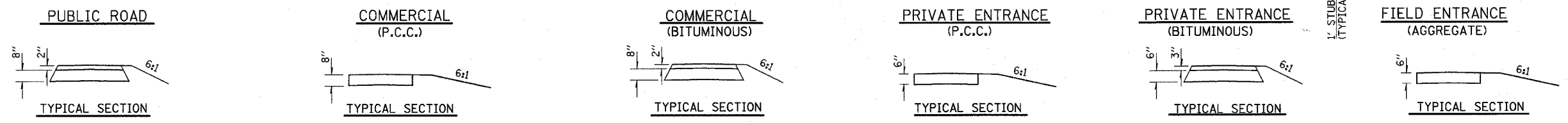
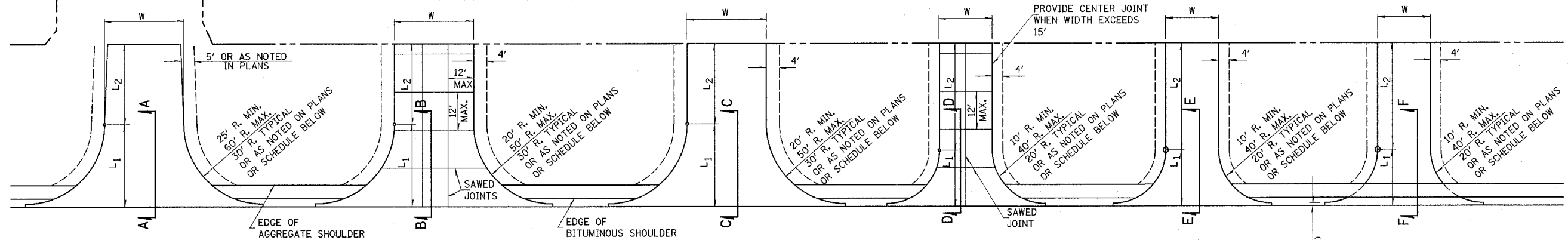
RIPRAP STILLING BASIN SCHEDULE													
STATION	OFFSET	BARREL WIDTH OF BOX CULVERT	BOX CULVERT OUTLET FLOWLINE	DISSIPATOR POOL LENGTH	APRON LENGTH	OVERALL BASIN LENGTH	DEPTH OF BASIN BELOW THE CULVERT FLOWLINE	THICKNESS OF APPROACH	TYPICAL THICKNESS OF BASIN	STONE RIPRAP CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP	EARTH EXCAVATION FOR EROSION CONTROL	GABIONS
		W <sub>c</sub>	C <sub>FL</sub>	L <sub>p</sub>	L <sub>a</sub>	L <sub>b</sub>	h <sub>s</sub>	T <sub>a</sub>	T <sub>b</sub>	(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





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		AGGREGATE SURFACE COURSE TYPE B	INCLD. BIT. SURFACING, SUPERPAVE, N50	P.C.C. DRIVEWAY PAV'T, 6"	TEMPORARY ACCESS (PE)	TEMPORARY ACCESS (CE)
				L <sub>1</sub>	L <sub>2</sub>		TON	SQ. YD.					
AGG	CE	LT/953+15.73	35'	30'	8'	30'	16	160	11	18			1
AGG	PE	RT/967+27.95	12'	20'	18'	20'			8	8			1
BIT	PE	RT/970+42.68	24'	20'	8'	20'	32			16			1
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		AGGREGATE SURFACE COURSE TYPE B	INCLD. BIT. SURFACING, SUPERPAVE, N50	P.C.C. DRIVEWAY PAV'T, 6"	TEMPORARY ACCESS (PE)	TEMPORARY ACCESS (CE)
				L <sub>1</sub>	L <sub>2</sub>		TON	SQ. YD.					
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	FE	RT/203+00.00	12'	-	184'	20'			92				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'							1

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

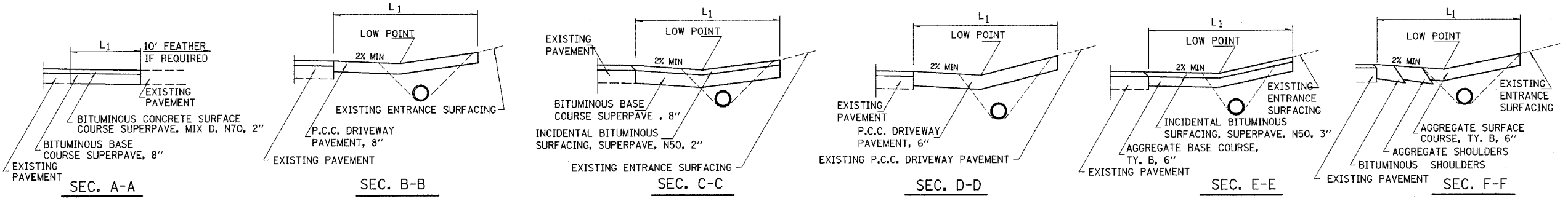
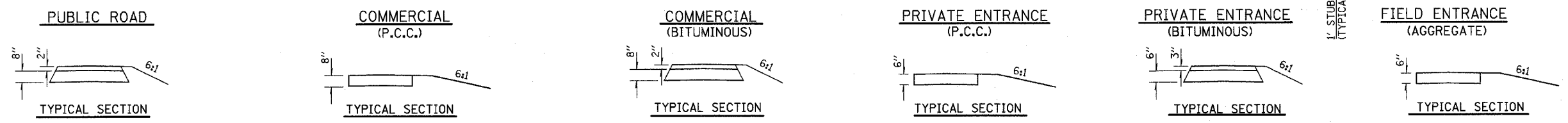
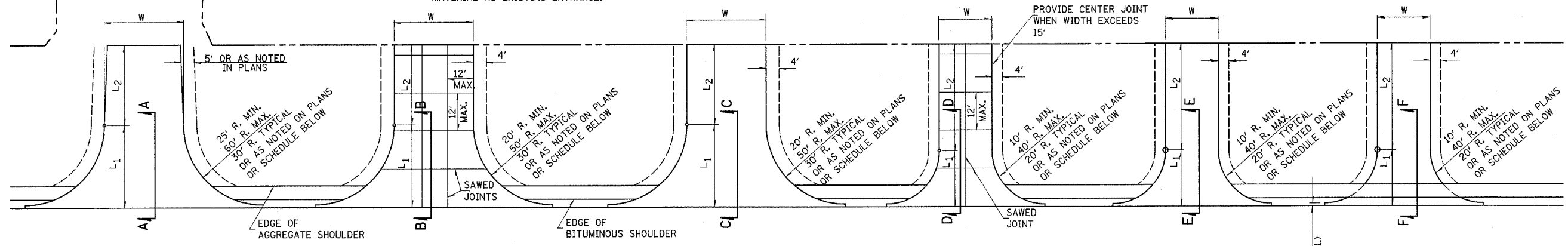
RURAL ENTRANCE  
DETAILS & SCHEDULES  
SHEET 1 OF 2

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		RADI	TEMPORARY ACCESS (ROAD)		
			L <sub>1</sub>	L <sub>2</sub>		BITUMINOUS BASE COURSE SUPERPAVE, 8"	BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, NTO	EACH
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

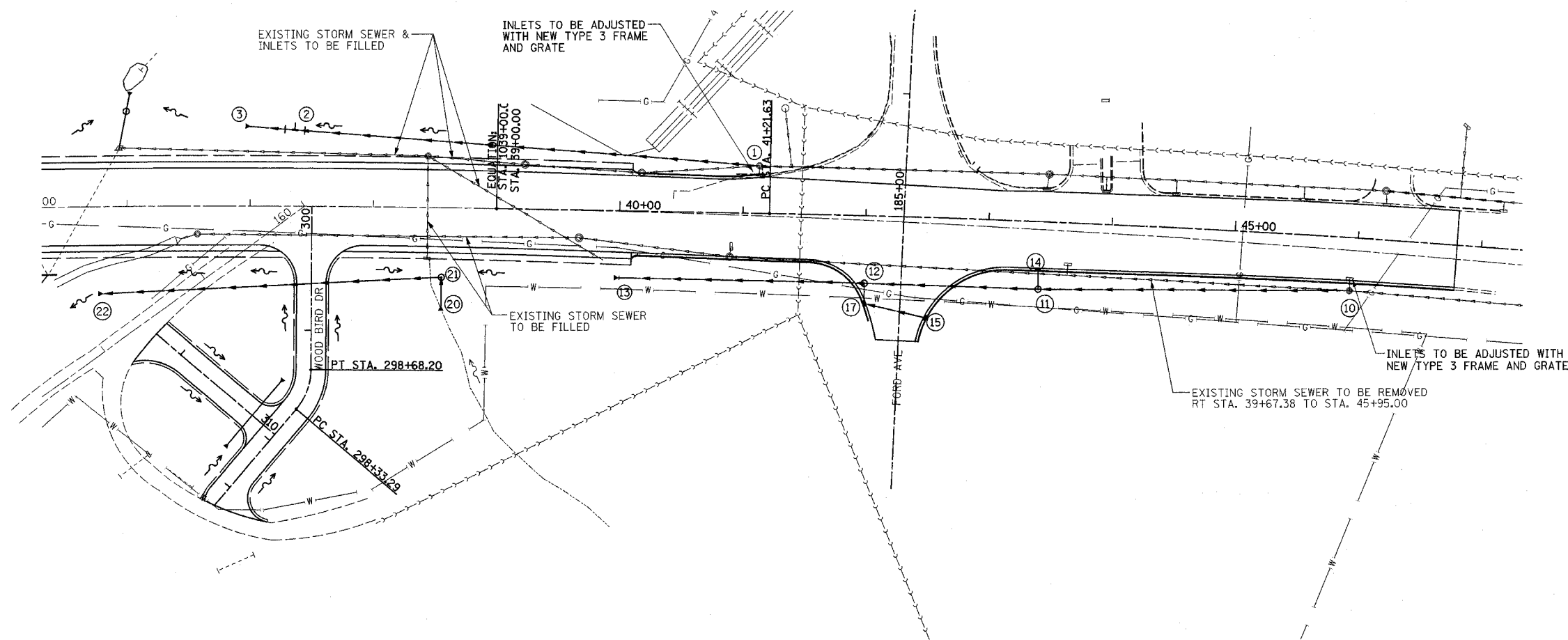
EXIST SURFACE	SIDE/STATION	WIDTH	LENGTH		RADI	TEMPORARY ACCESS (ROAD)		
			L <sub>1</sub>	L <sub>2</sub>		BITUMINOUS BASE COURSE SUPERPAVE, 8"	BIT. CONCRETE SURFACE COURSE SUPERPAVE, MIX D, NTO	EACH
BIT	IRISH HILL LT/991+30.47	-	-	-	-	238	27	1
O&C	WSH RIVER HILL RT/991+35.27	-	-	-	-	463	52	1
BIT	1200TH ST LT/1015+03.93	-	-	-	-	196	22	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

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



DRAINAGE STRUCTURE SCHEDULE							
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	o
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	o
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	o
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	o
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	o
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.

STORM SEWER SCHEDULE							
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

REVISIONS	
NAME	DATE

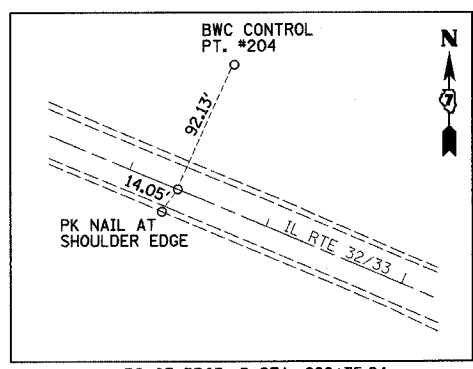
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STORM SEWER SCHEDULE

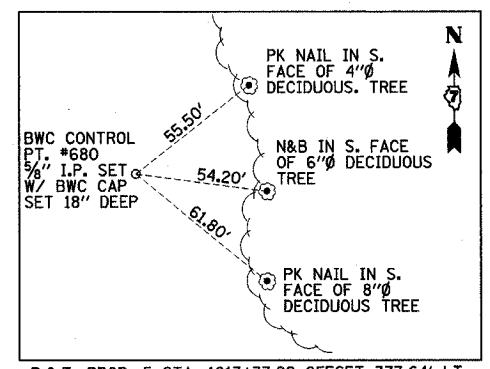
DATE 8/02

DRAWN BY MLO  
 CHECKED BY SJK

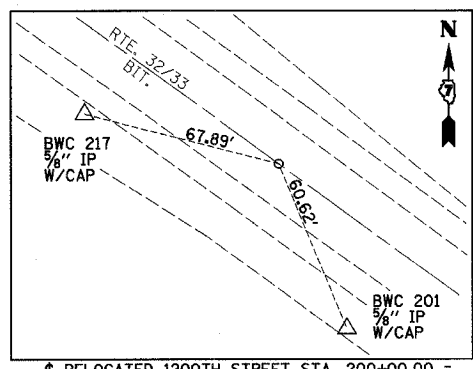
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	29
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



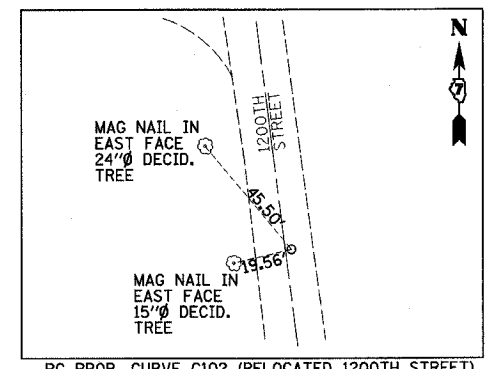
PC OF PROP. 5 STA. 988+35.24 (MAG NAIL)



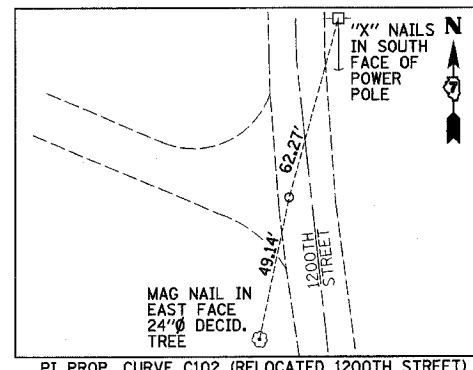
P.O.T. PROP. 5 STA. 1017+37.29 OFFSET 377.64' LT (MAG NAIL)



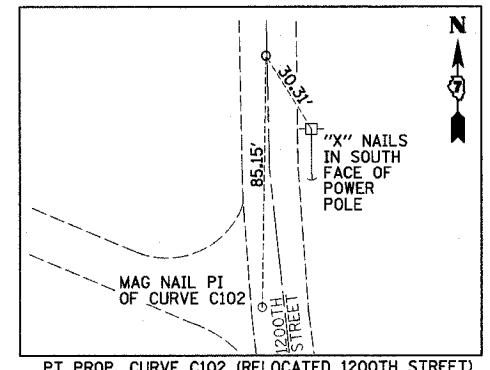
CL RELOCATED 1200TH STREET STA. 200+00.00 = CL RTE. 32/33 STA. 1015+03.93 (MAG NAIL)



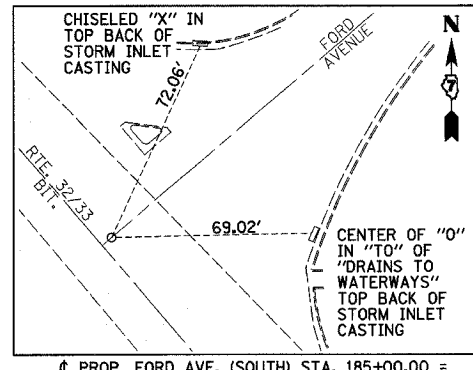
PC PROP. CURVE C102 (RELOCATED 1200TH STREET) STA. 210+96.27 (MAG NAIL)



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 "O" SOUTHEAST CORNER CONCRETE HEADWALL

BM #6  
30' RT, STA. 951+33, ELEV. 606.30  
CHISELED "O" 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 "O" ABOVE BRIDGE NAME PLATE

BM 250077  
22' RT, STA. 1017+17, ELEV. 543.66  
CHISELED "O" 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 "O" BACK OF GUTTER AT SOUTHWEST CORNER OF DROP INLET

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

REVISIONS	
NAME	DATE

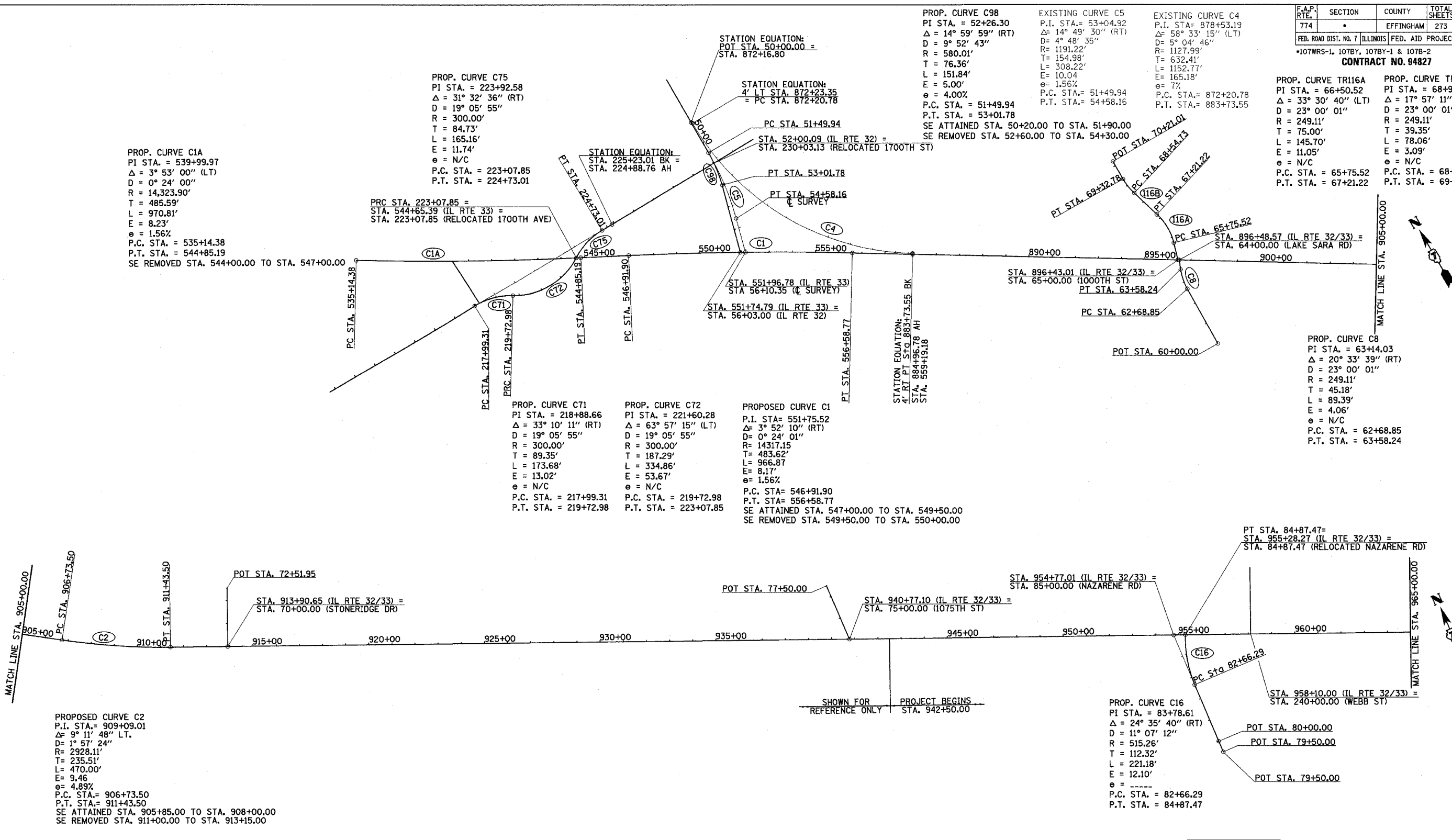
ILLINOIS DEPARTMENT OF TRANSPORTATION

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)

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. = 221+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

PROP. CURVE C98  
 P.I. STA. = 52+26.30  
 $\Delta = 14^\circ 59' 59''$  (RT)  
 $D = 9^\circ 52' 43''$   
 $R = 580.01'$   
 $L = 151.84'$   
 $E = 5.00'$   
 $e = 4.00\%$   
 P.C. STA. = 51+49.94  
 P.T. STA. = 53+01.78

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

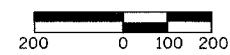
PROP. CURVE TR116A  
 P.I. STA. = 66+50.52  
 $\Delta = 33^\circ 30' 40''$  (LT)  
 $D = 23^\circ 00' 01''$   
 $R = 249.11'$   
 $T = 75.00'$   
 $L = 145.70'$   
 $E = 11.05'$   
 $e = N/C$   
 P.C. STA. = 65+75.52  
 P.T. STA. = 67+21.22

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

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

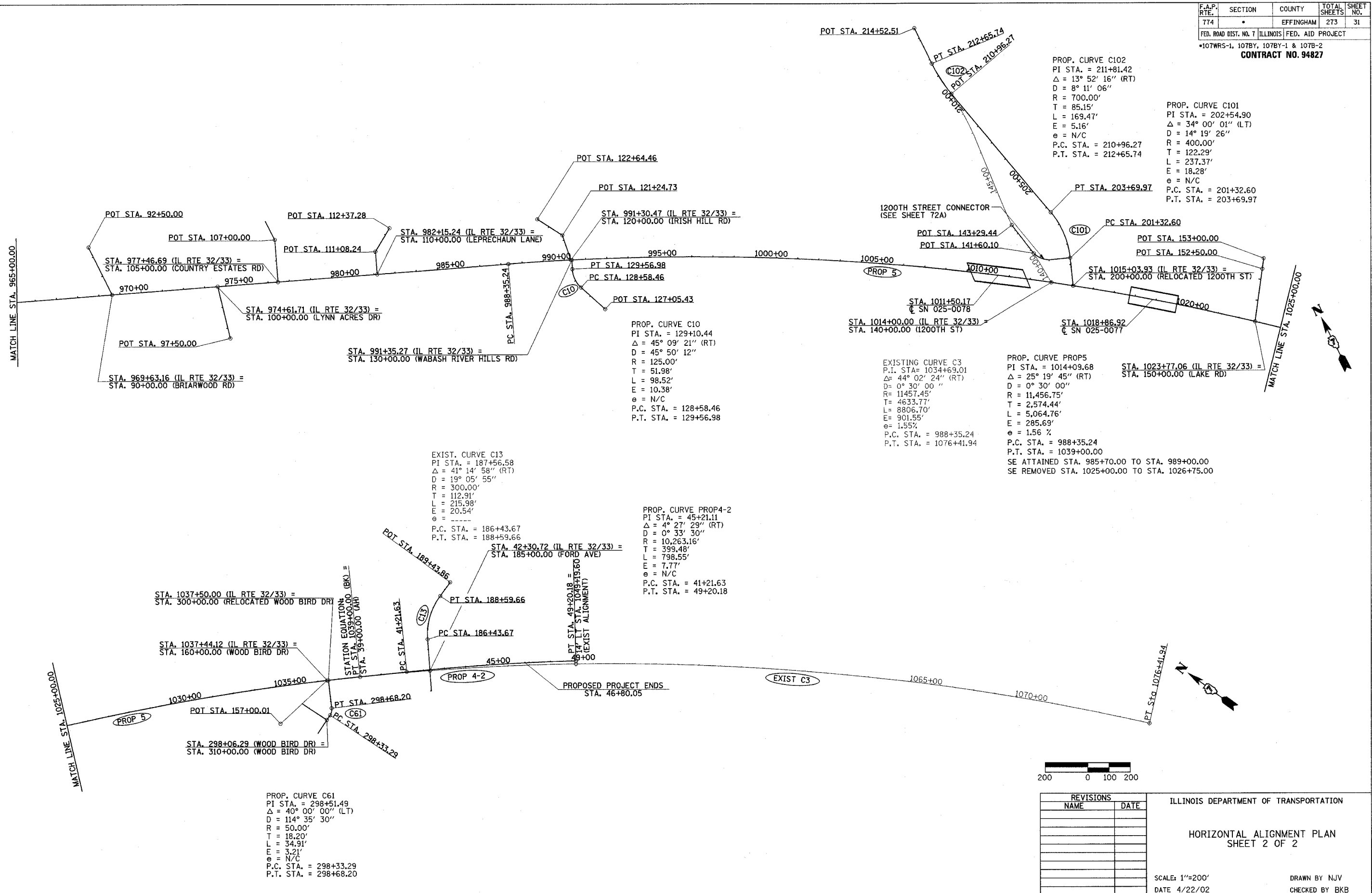
PROP. CURVE C16  
 P.I. STA. = 83+78.61  
 $\Delta = 24^\circ 35' 40''$  (RT)  
 $D = 11^\circ 07' 12''$   
 $R = 515.26'$   
 $T = 112.32'$   
 $L = 221.18'$   
 $E = 12.10'$   
 $e =$   
 P.C. STA. = 82+66.29  
 P.T. STA. = 84+87.47



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

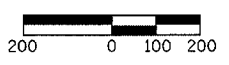
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	31
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



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

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

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT PLAN  
 SHEET 2 OF 2

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

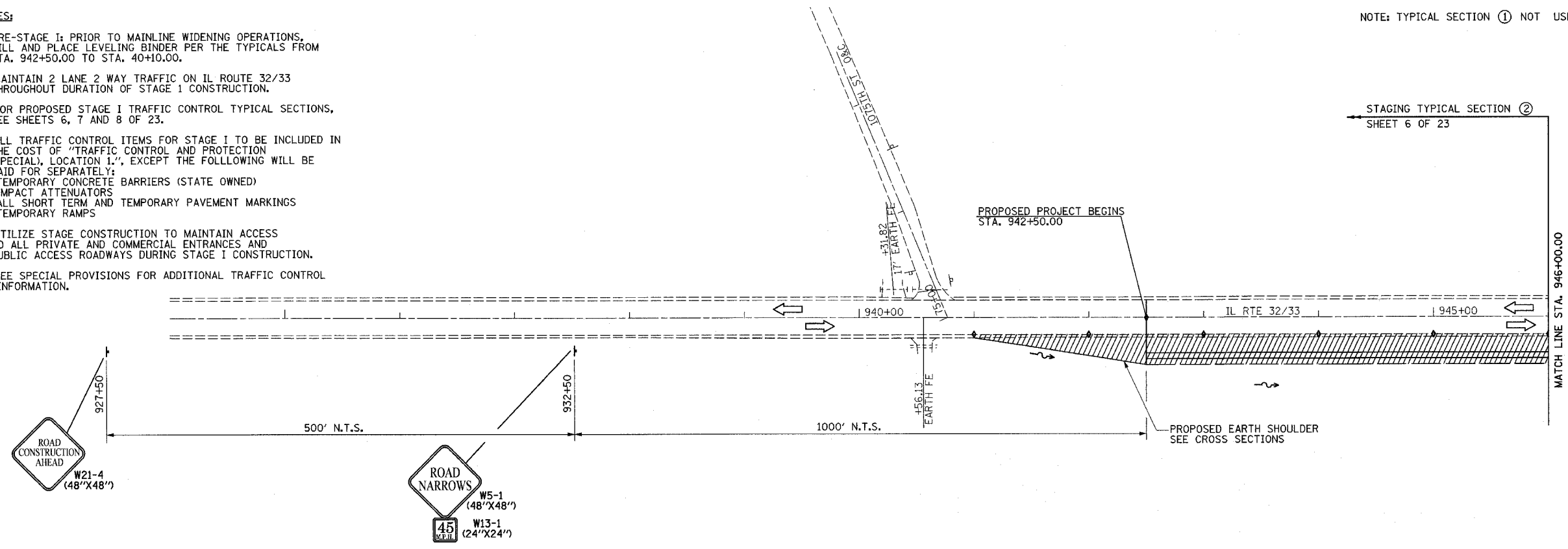
DRAWN BY NJV  
 CHECKED BY BKB

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>		

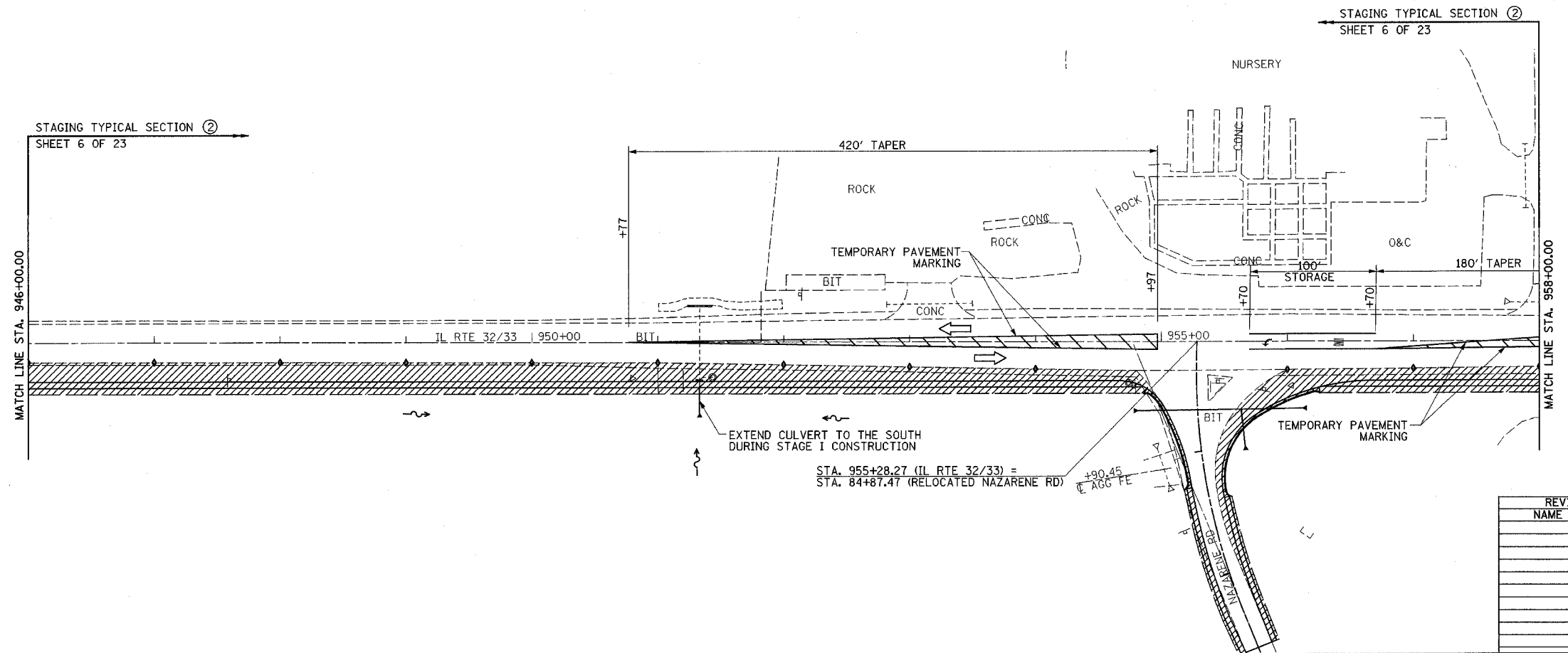
NOTE: TYPICAL SECTION ① NOT USED

**NOTES:**

- 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.
- MAINTAIN 2 LANE 2 WAY TRAFFIC ON IL ROUTE 32/33 THROUGHOUT DURATION OF STAGE 1 CONSTRUCTION.
- FOR PROPOSED STAGE I TRAFFIC CONTROL TYPICAL SECTIONS, SEE SHEETS 6, 7 AND 8 OF 23.
- 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
- UTILIZE STAGE CONSTRUCTION TO MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES AND PUBLIC ACCESS ROADWAYS DURING STAGE I CONSTRUCTION.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL INFORMATION.



STAGING TYPICAL SECTION ②  
SHEET 6 OF 23



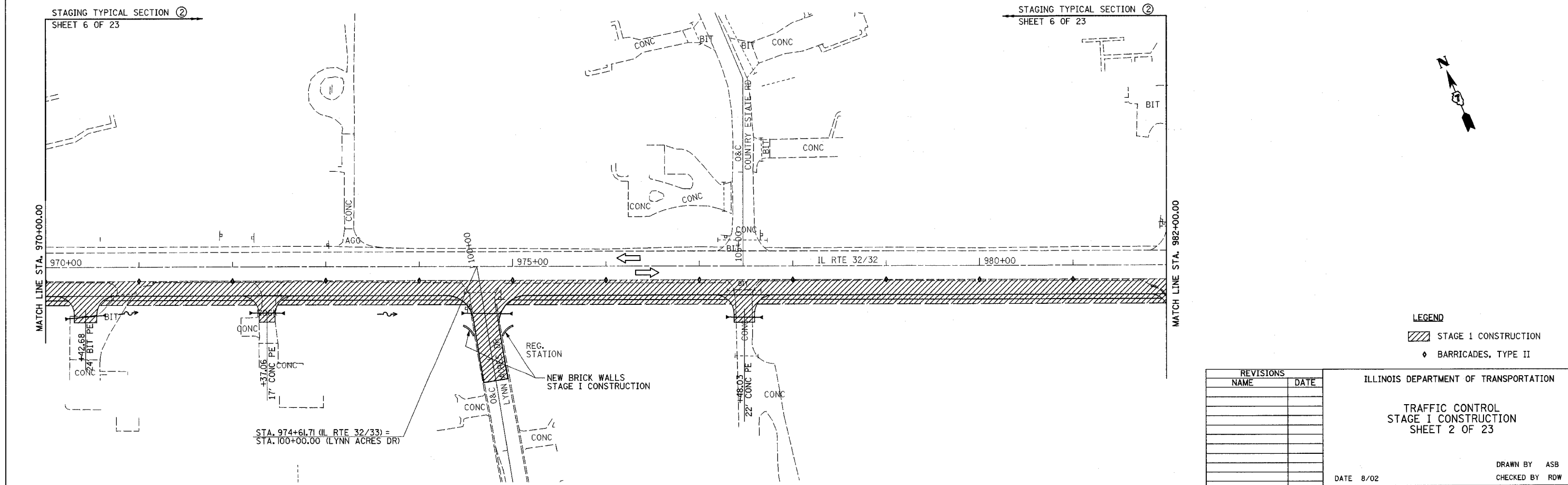
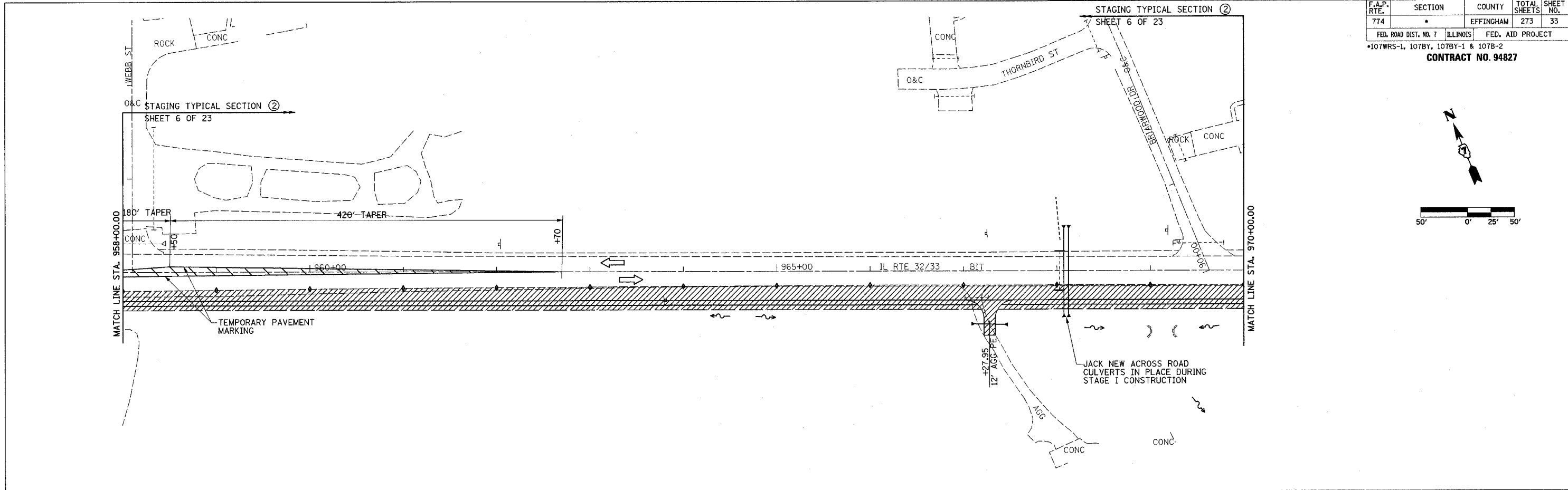
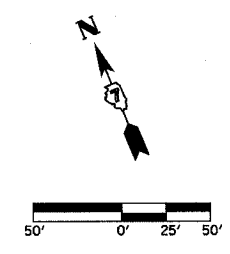
**LEGEND**  
 [Hatched Box] STAGE 1 CONSTRUCTION  
 [Diamond] BARRICADES, TYPE II

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				
<b>CONTRACT NO. 94827</b>				

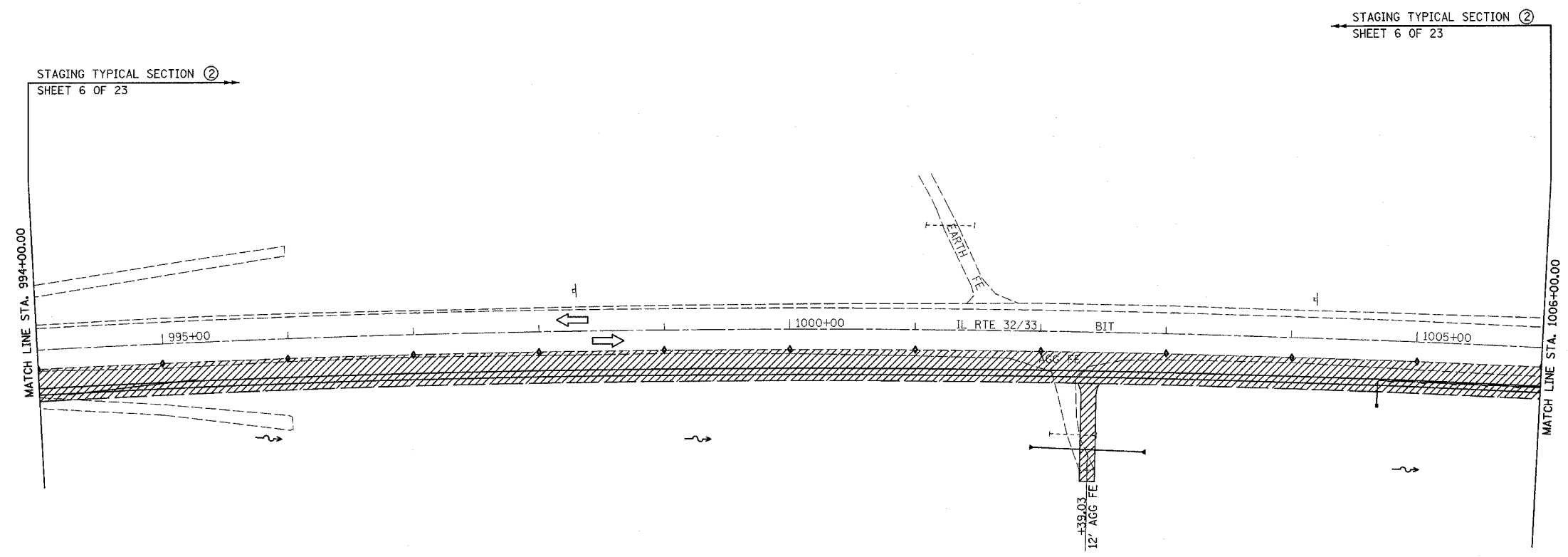
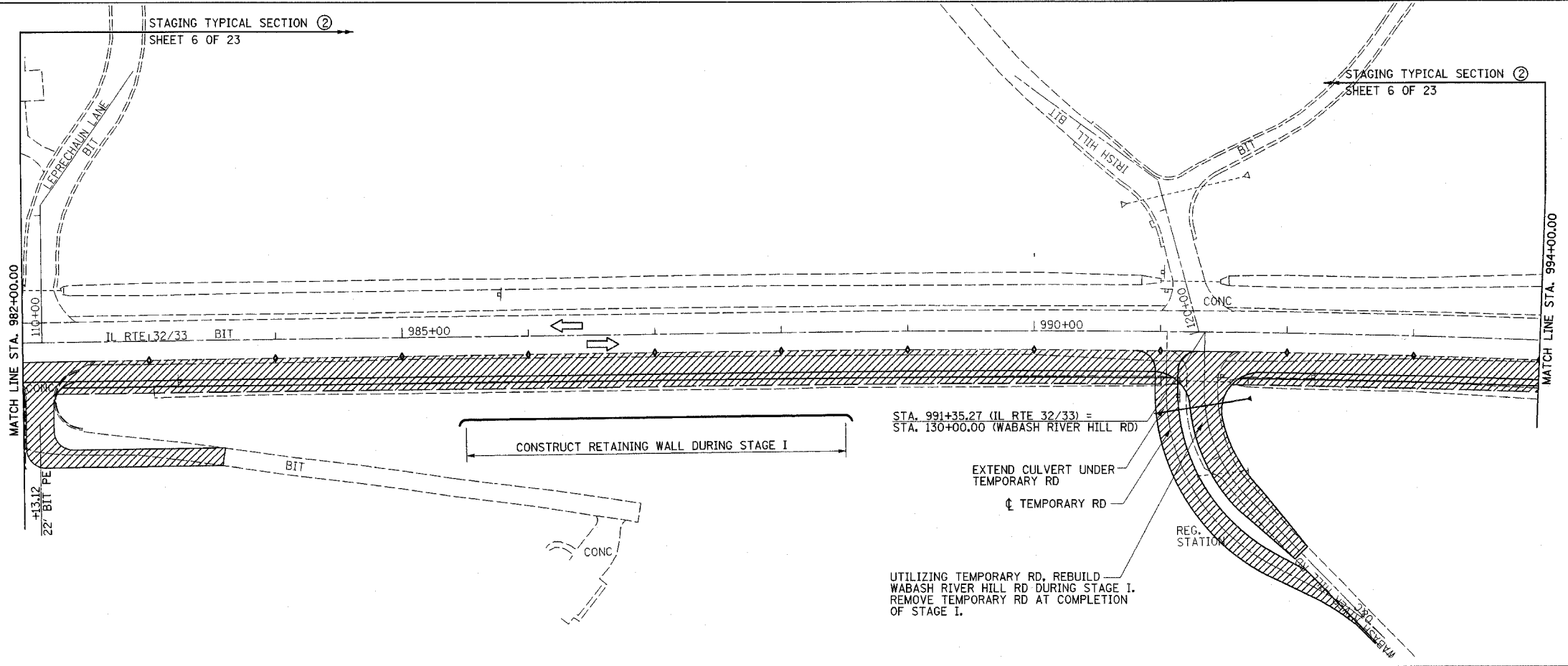
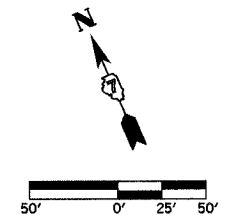


**LEGEND**  
 [Hatched Box] STAGE 1 CONSTRUCTION  
 [Diamond] BARRICADES, TYPE II

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 1 CONSTRUCTION
  - ◊ BARRICADES, TYPE II

REVISIONS	
NAME	DATE

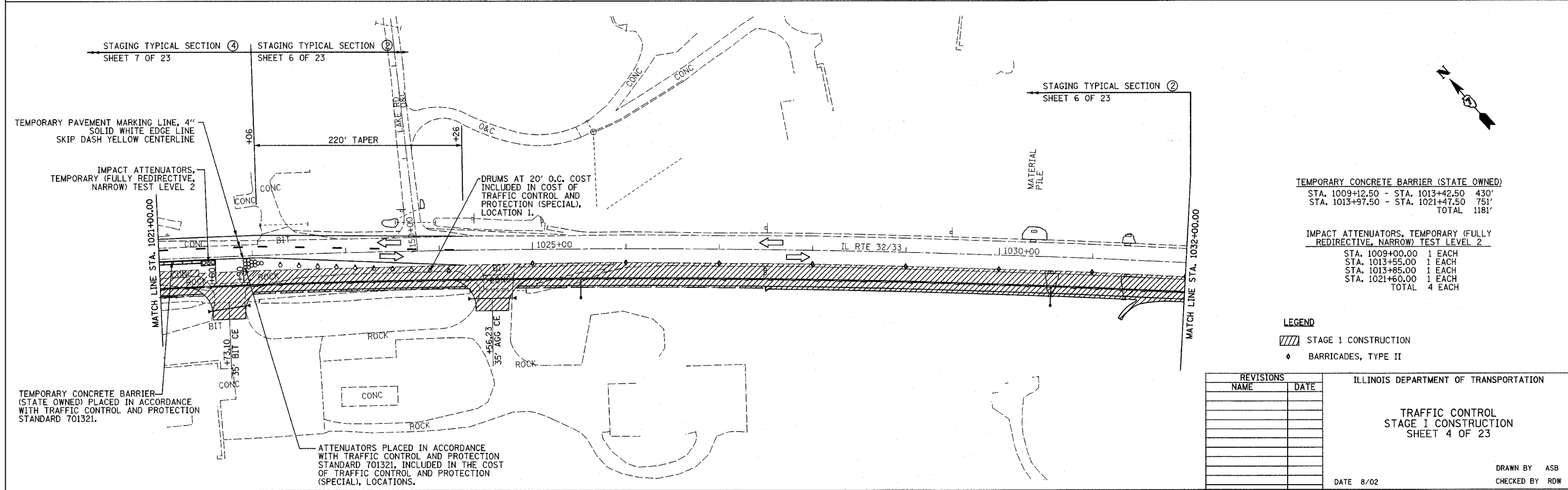
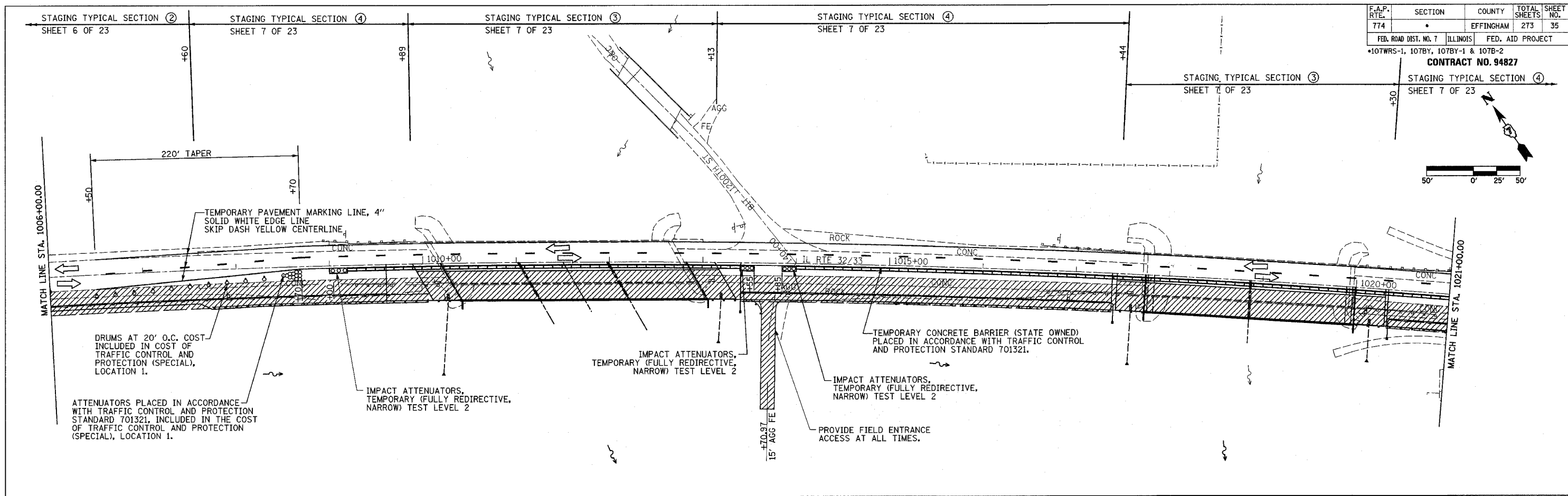
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 3 OF 23

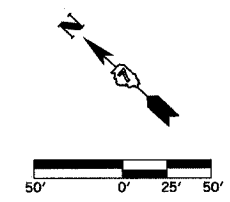
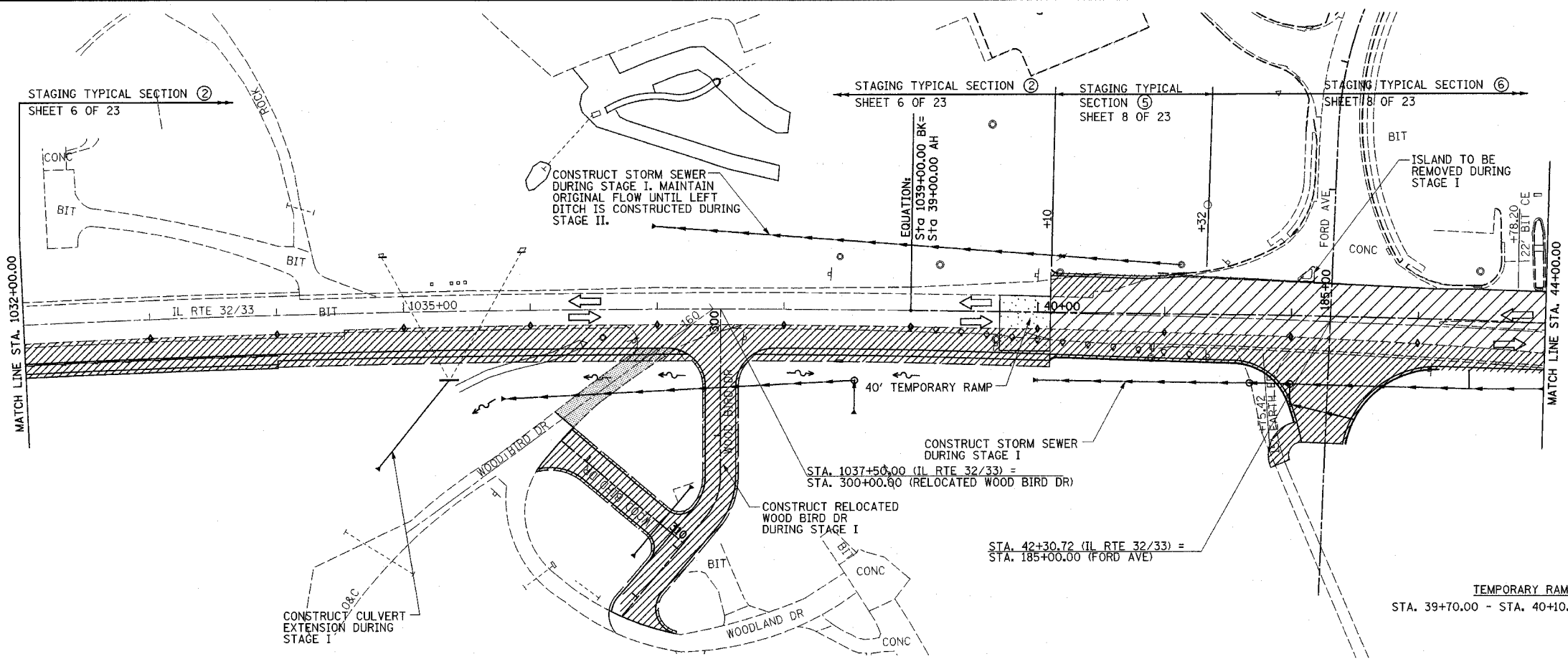
DATE 8/02

DRAWN BY ASB  
CHECKED BY RDW

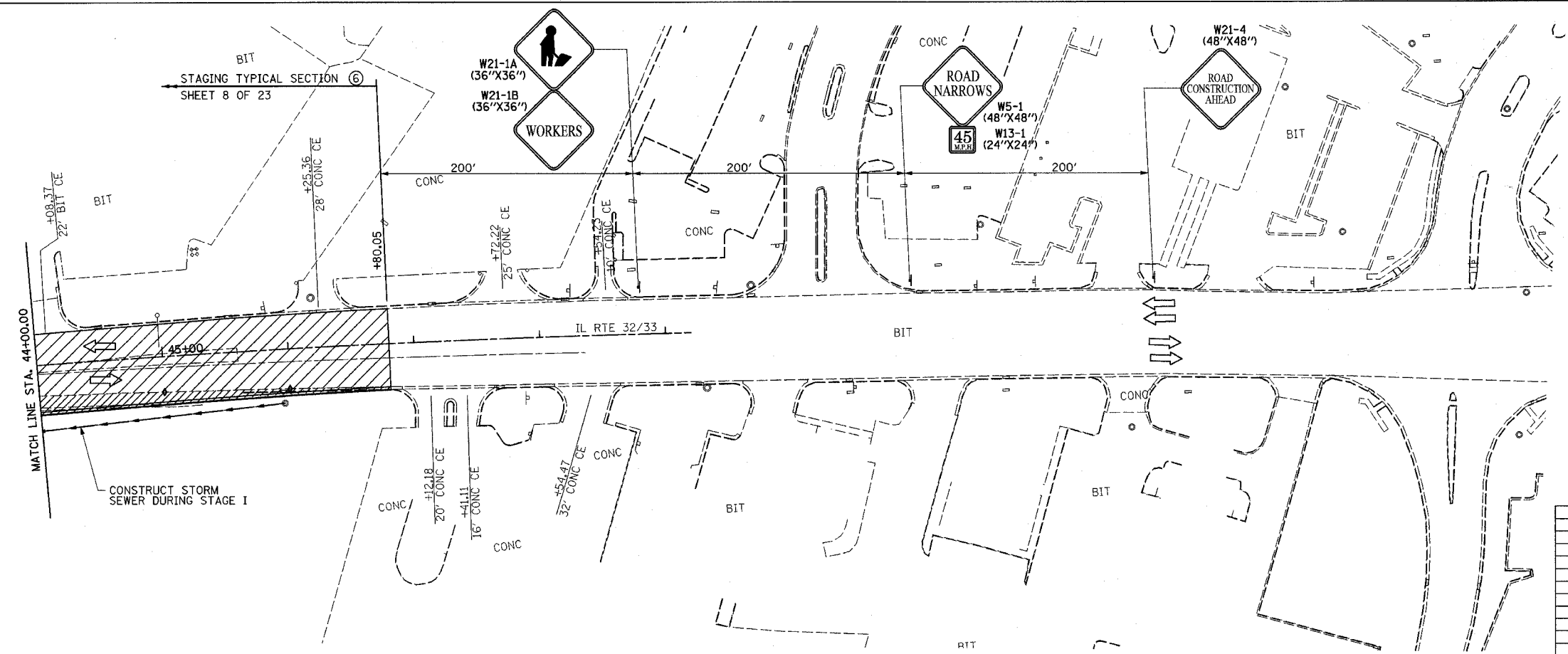
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	35
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



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.



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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

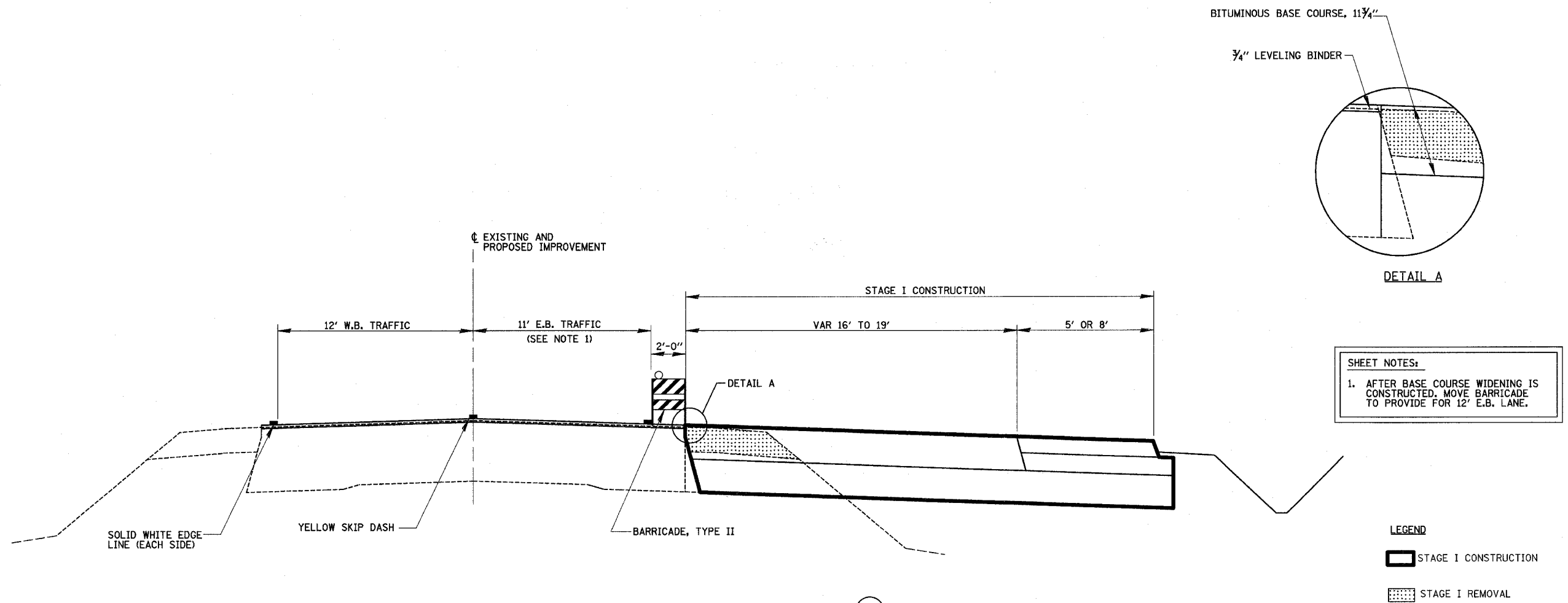
TRAFFIC CONTROL  
STAGE I CONSTRUCTION  
SHEET 5 OF 23

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				
<b>CONTRACT NO. 94827</b>				

TYPICAL SECTION ① NOT USED



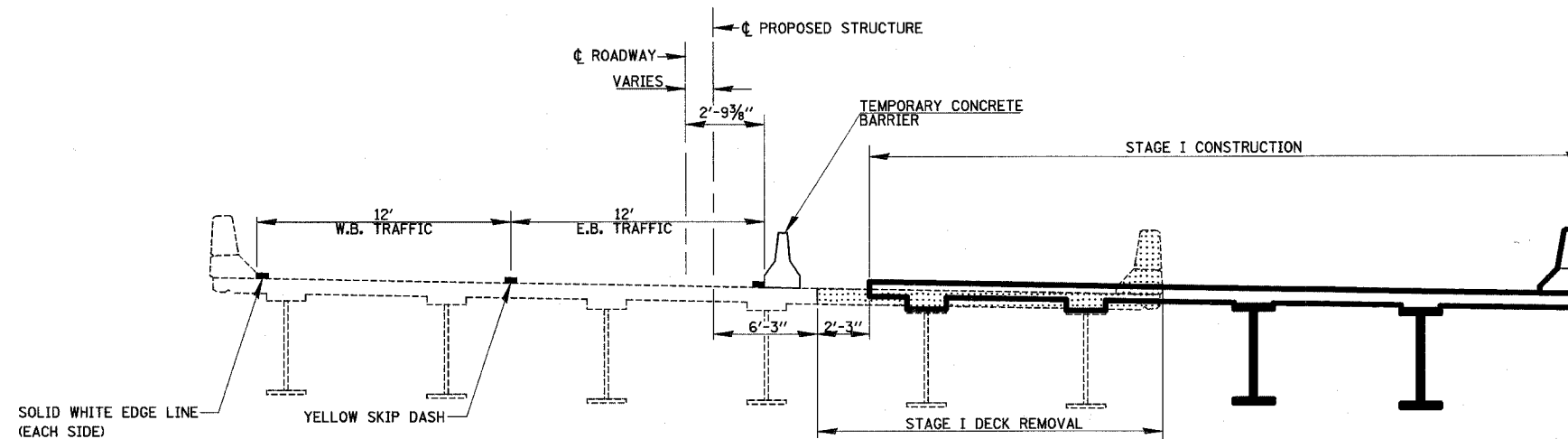
**SHEET NOTES:**  
 1. AFTER BASE COURSE WIDENING IS CONSTRUCTED, MOVE BARRICADE TO PROVIDE FOR 12' E.B. LANE.

**LEGEND**  
 [Solid Line] STAGE I CONSTRUCTION  
 [Dotted Area] STAGE I REMOVAL

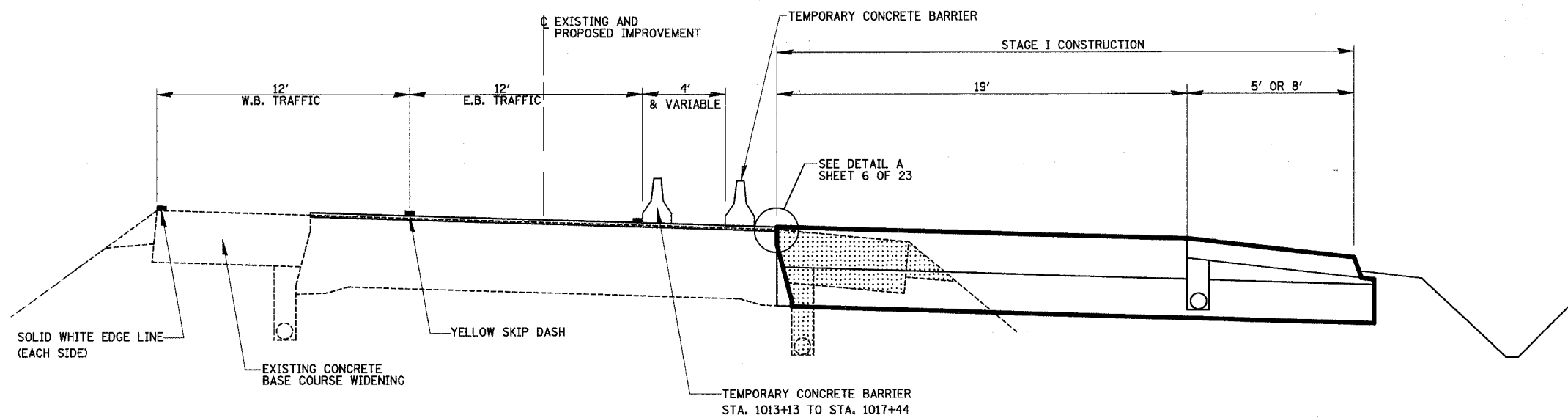
**PROPOSED TRAFFIC CONTROL TYPICAL SECTION ②**  
 STA. 942+50.00 TO STA. 1007+60  
 STA. 1022+06 TO STA. 40+10  
 STATION EQUATION: STA. 1039+00.00 BK = STA. 39+00.00 AH

REVISIONS	
NAME	DATE

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



**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

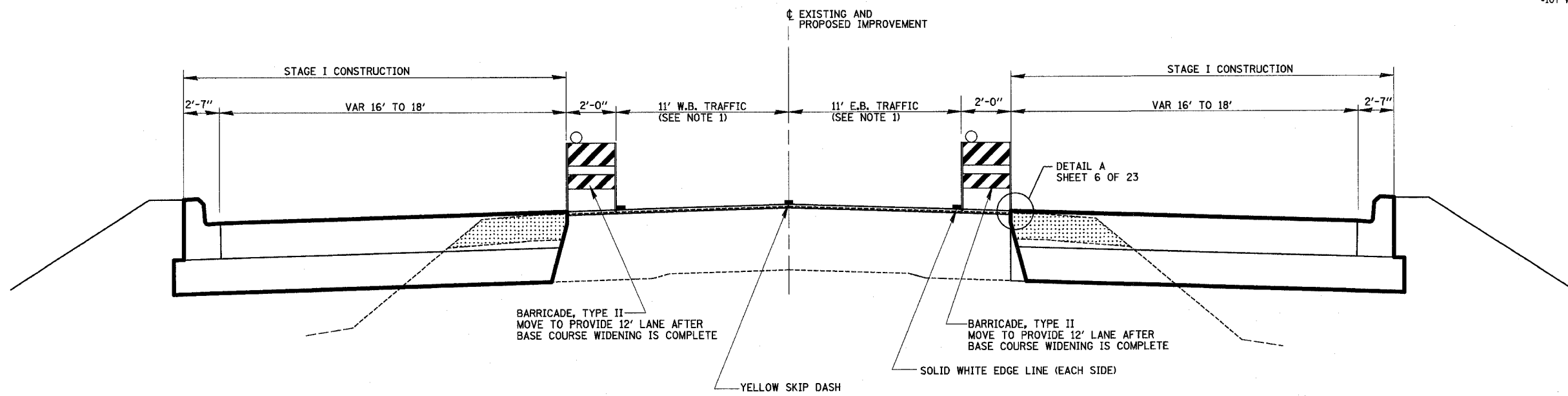
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 STAGE I  
 SHEET 7 OF 23

DATE 8/02  
 DRAWN BY MLO  
 CHECKED BY SJK

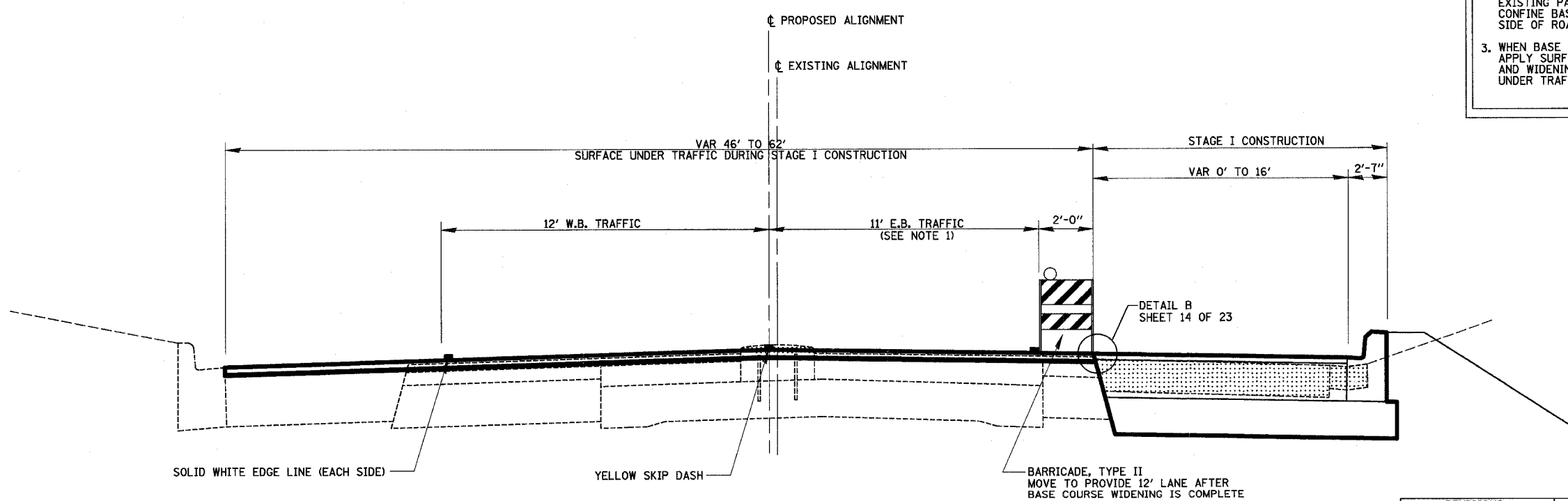
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	39

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

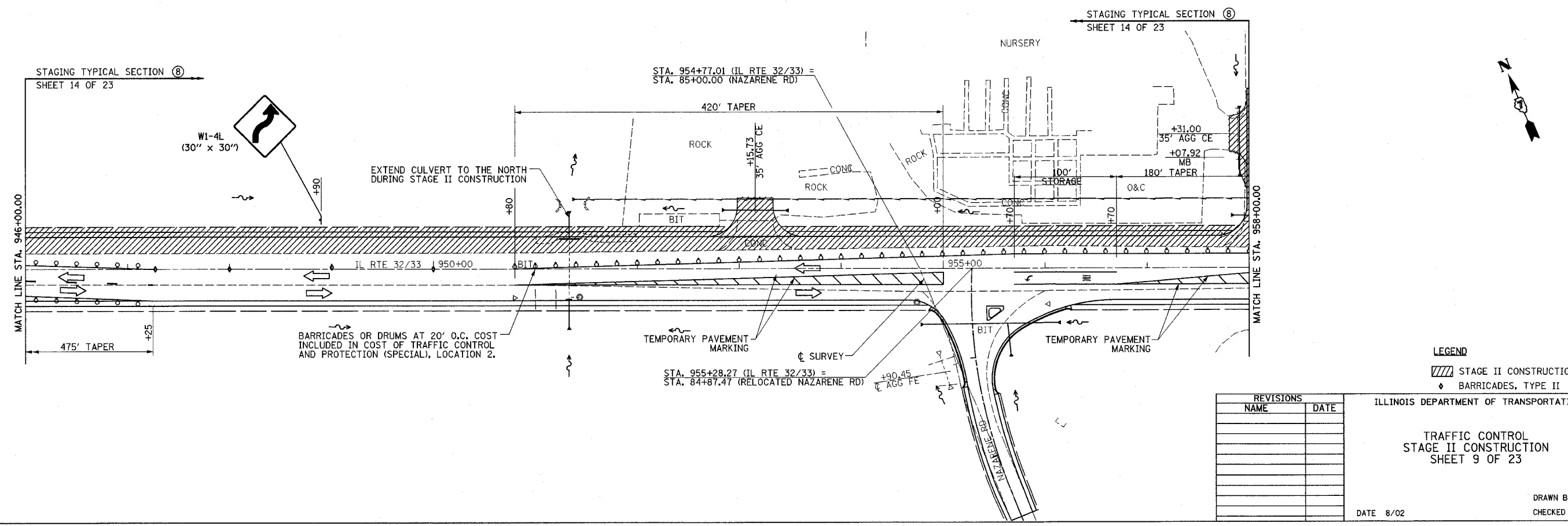
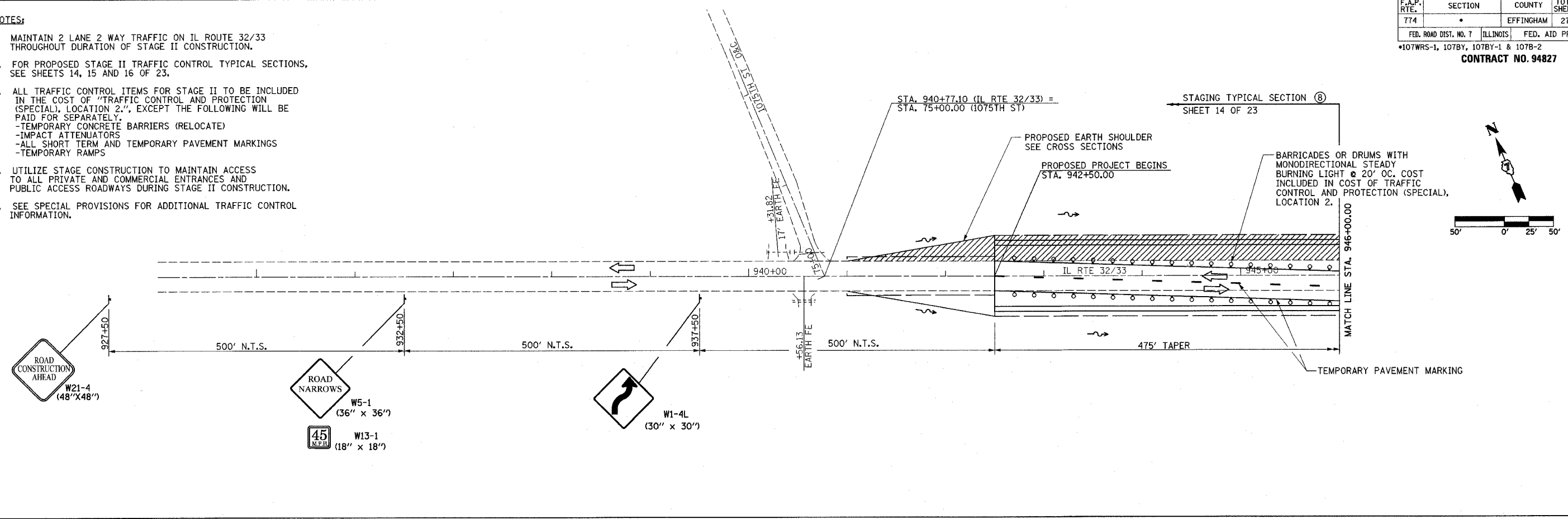
- LEGEND**
- STAGE I CONSTRUCTION
  - STAGE I REMOVAL

REVISIONS	
NAME	DATE

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

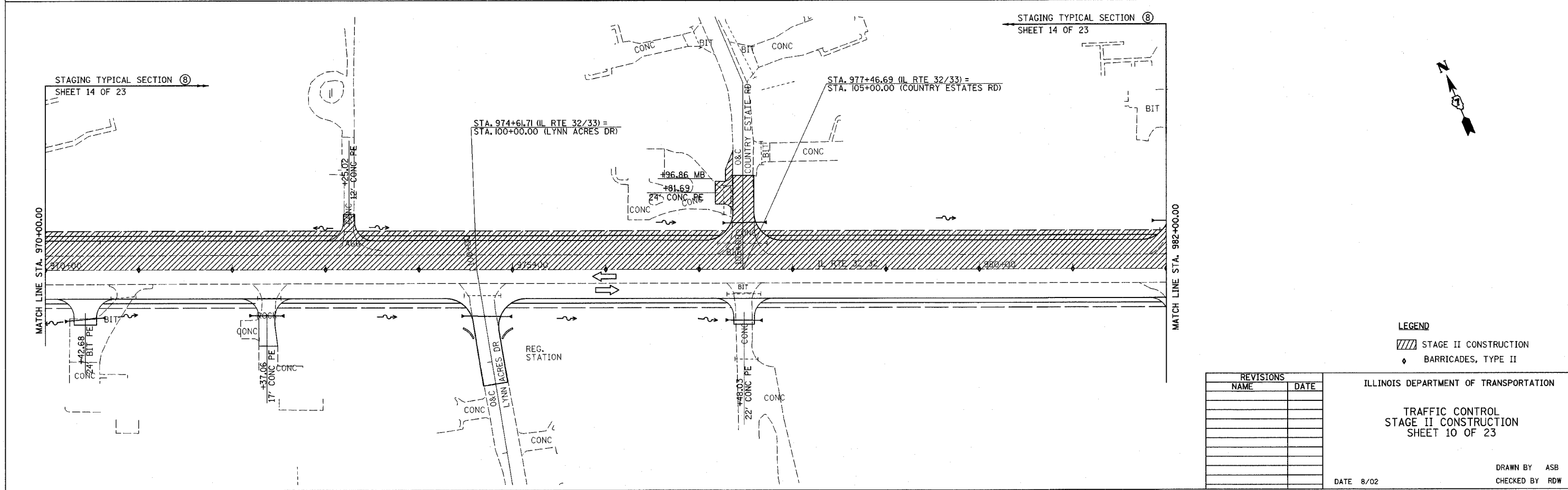
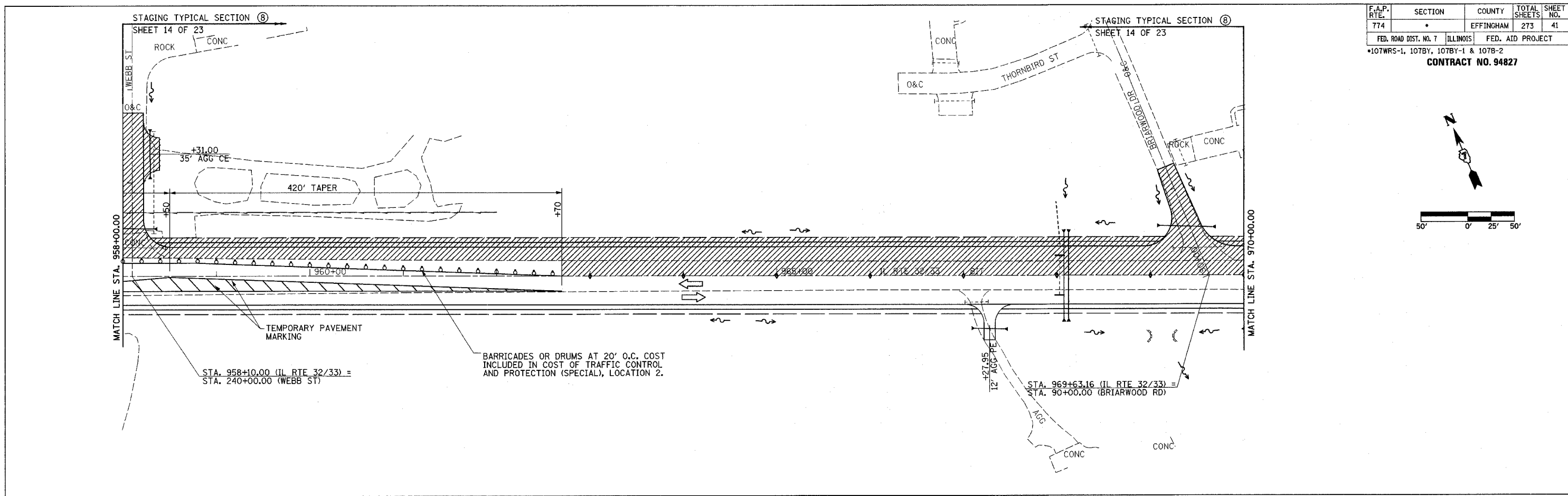
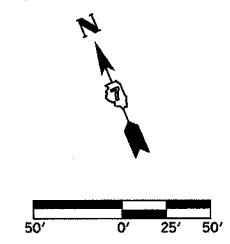
**TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 9 OF 23**

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		

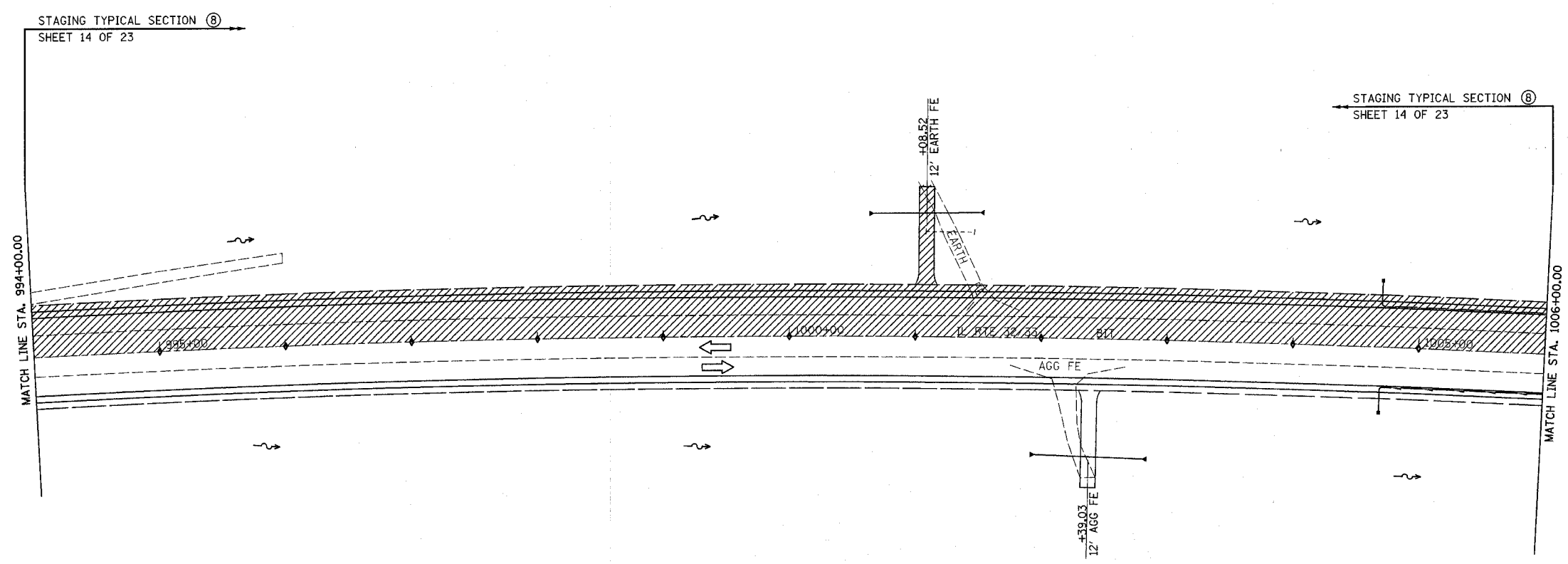
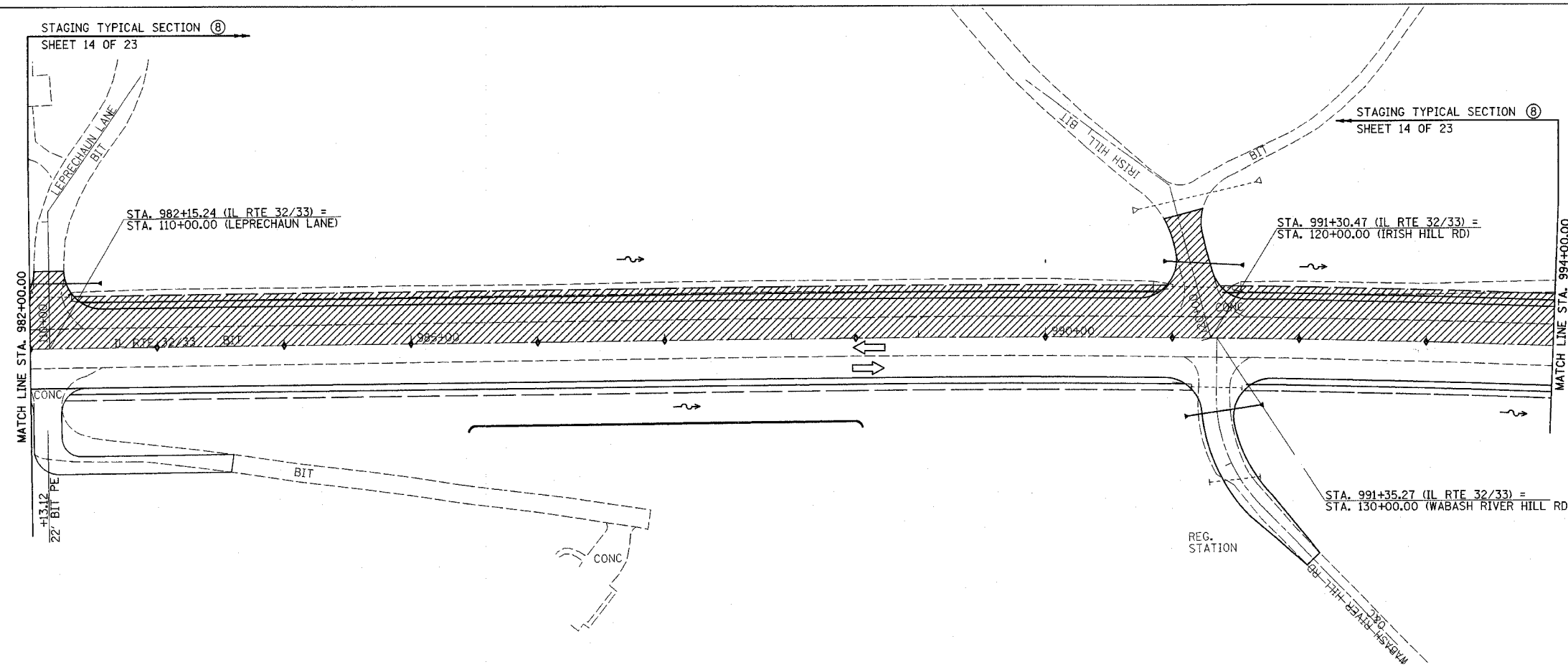
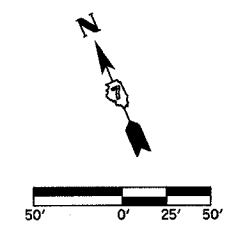


**LEGEND**  
 [Hatched Area] STAGE II CONSTRUCTION  
 [Diamond Symbol] BARRICADES, TYPE II

REVISIONS	
NAME	DATE

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

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				
<b>CONTRACT NO. 94827</b>				



- LEGEND**
- ▨ STAGE II CONSTRUCTION
  - ◊ BARRICADES, TYPE II

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL  
STAGE II CONSTRUCTION  
SHEET 11 OF 23**

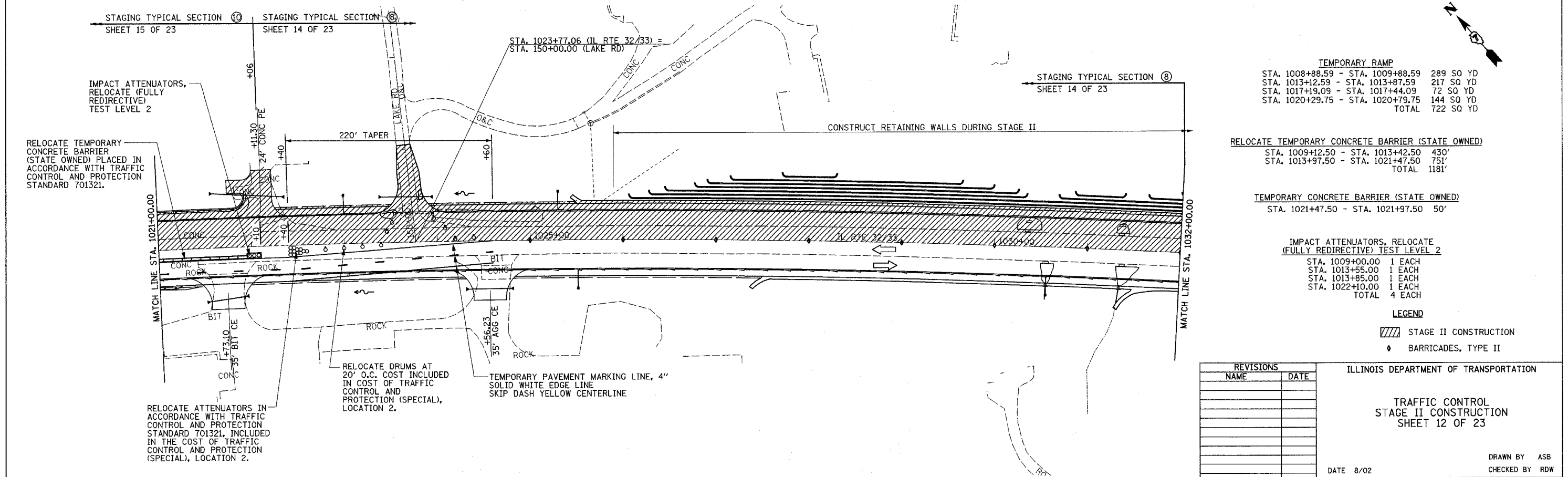
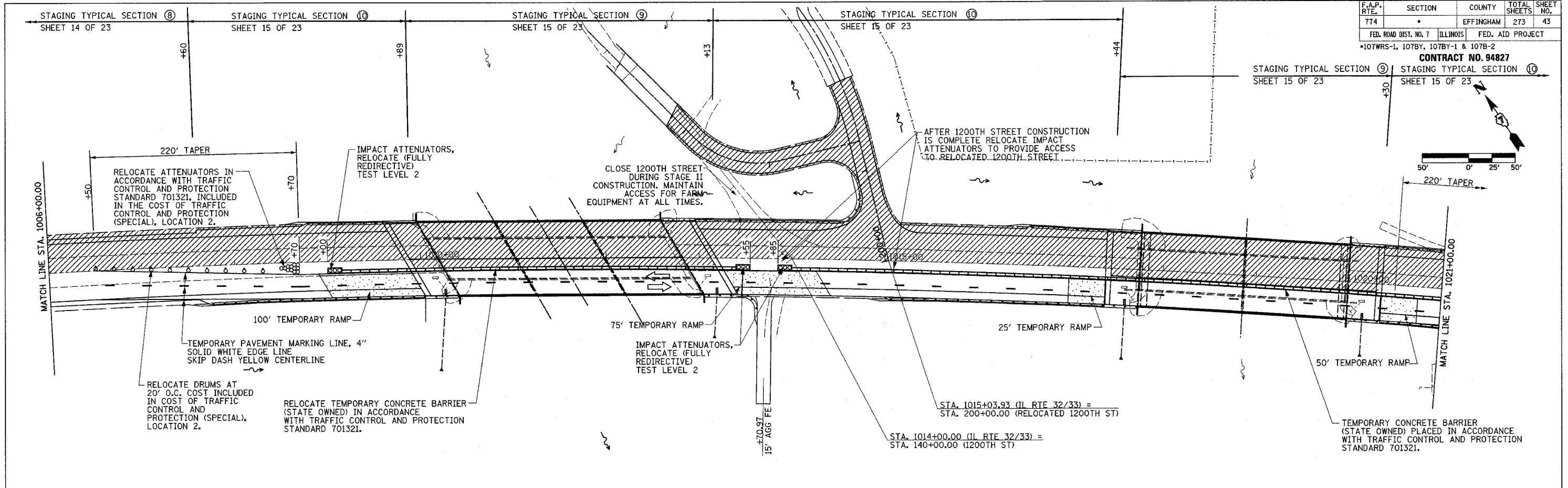
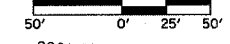
DATE 8/02

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

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

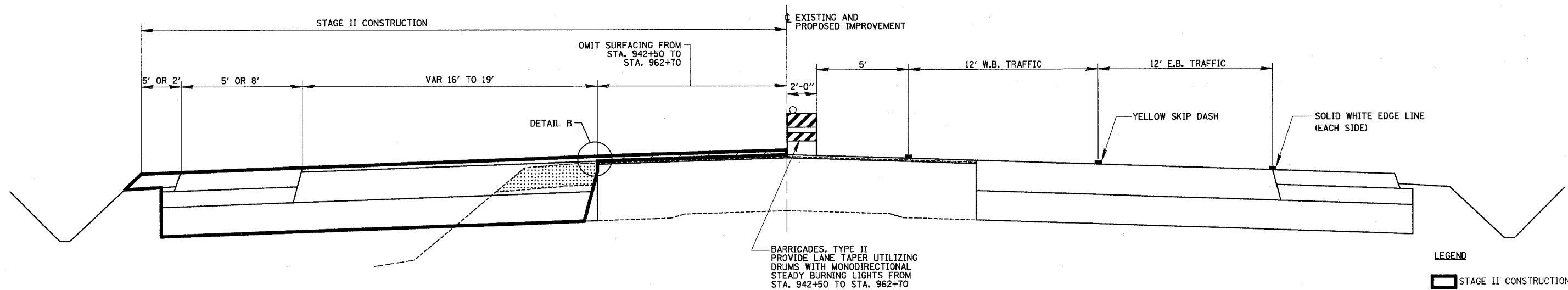
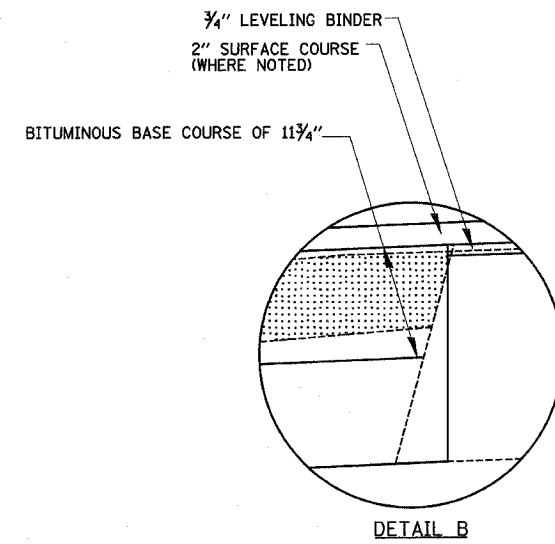
REVISIONS	
NAME	DATE

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	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

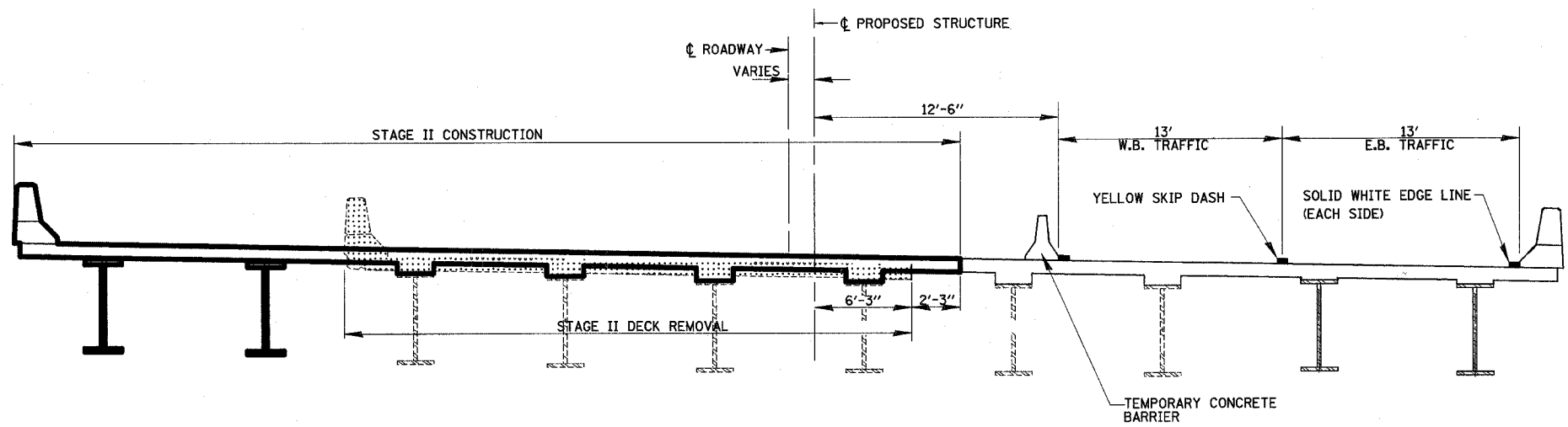
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

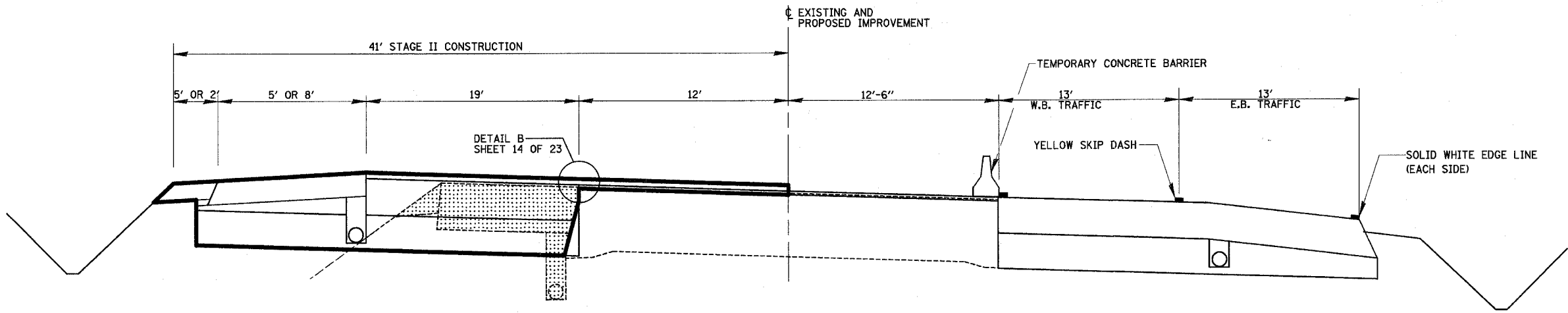
TYPICAL SECTIONS  
STAGE II  
SHEET 14 OF 23

DRAWN BY MLO  
CHECKED BY SJK

DATE 8/02



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



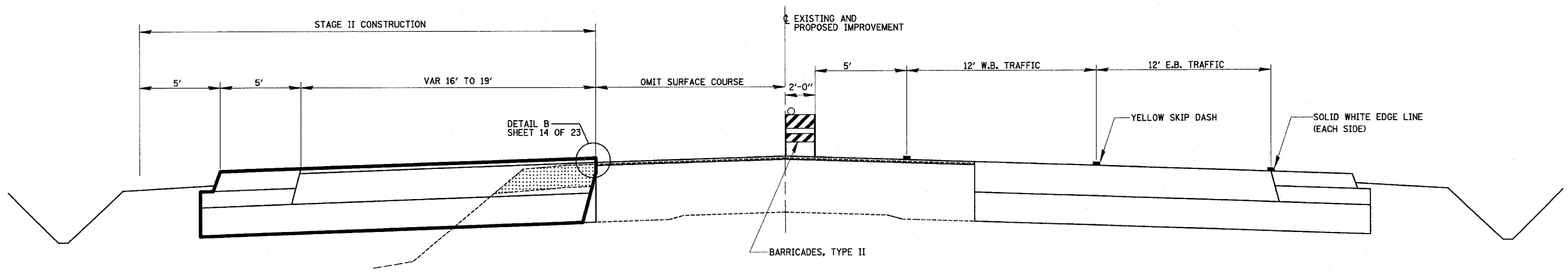
**PROPOSED TRAFFIC CONTROL TYPICAL SECTION 10**  
 STA. 1007+60 TO STA. 1009+89  
 STA 1013+13 TO STA. 1017+44  
 STA. 1020+30 TO STA. 1022+06

**LEGEND**  
 [Solid Line] STAGE II CONSTRUCTION  
 [Hatched Area] STAGE II REMOVAL

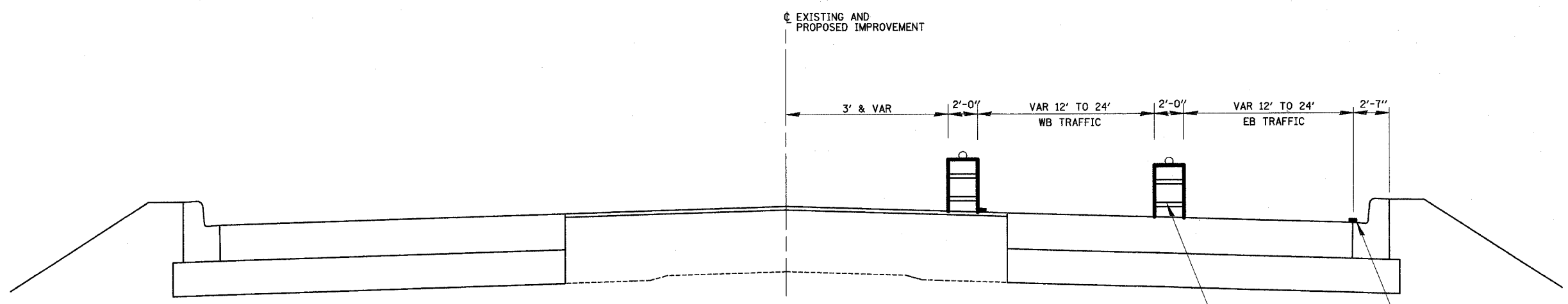
REVISIONS	
NAME	DATE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	47
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 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

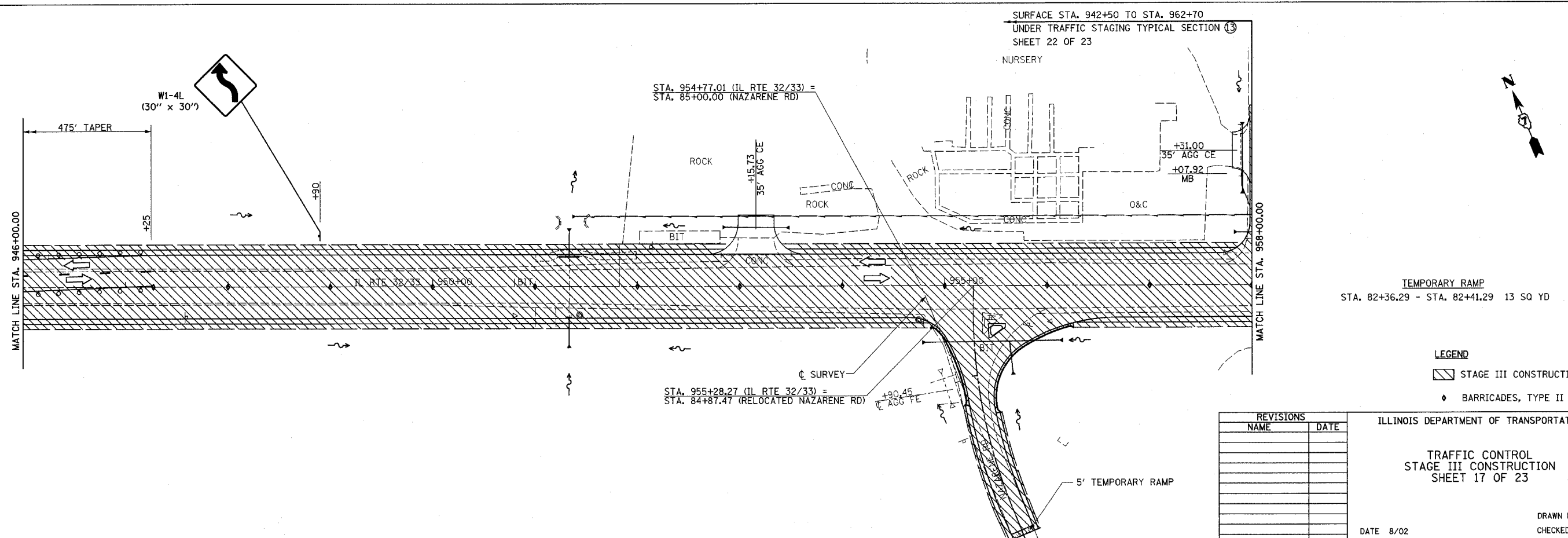
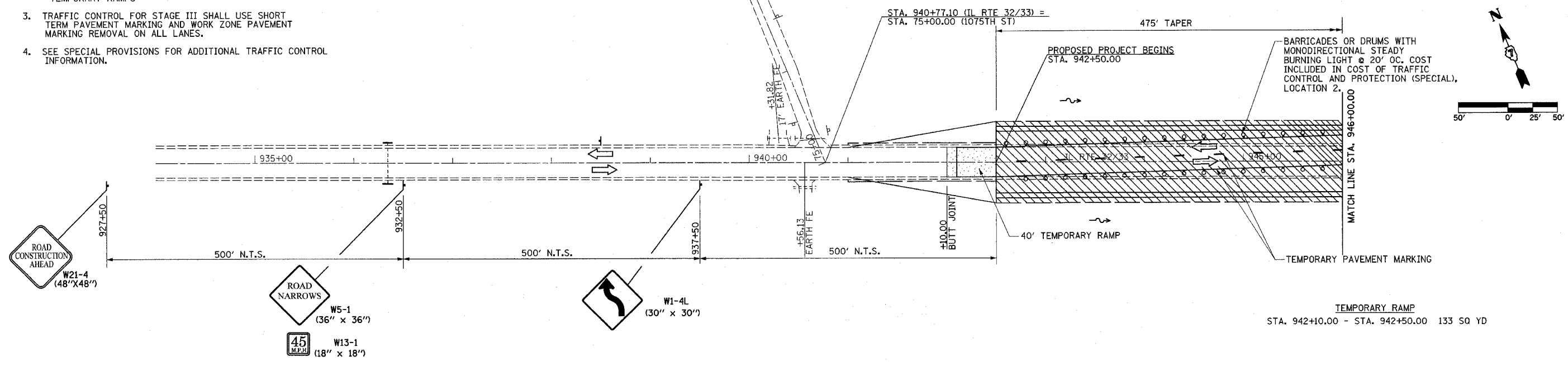
REVISIONS	
NAME	DATE

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

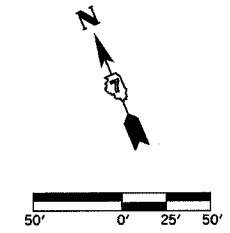
**TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 17 OF 23**

DATE 8/02

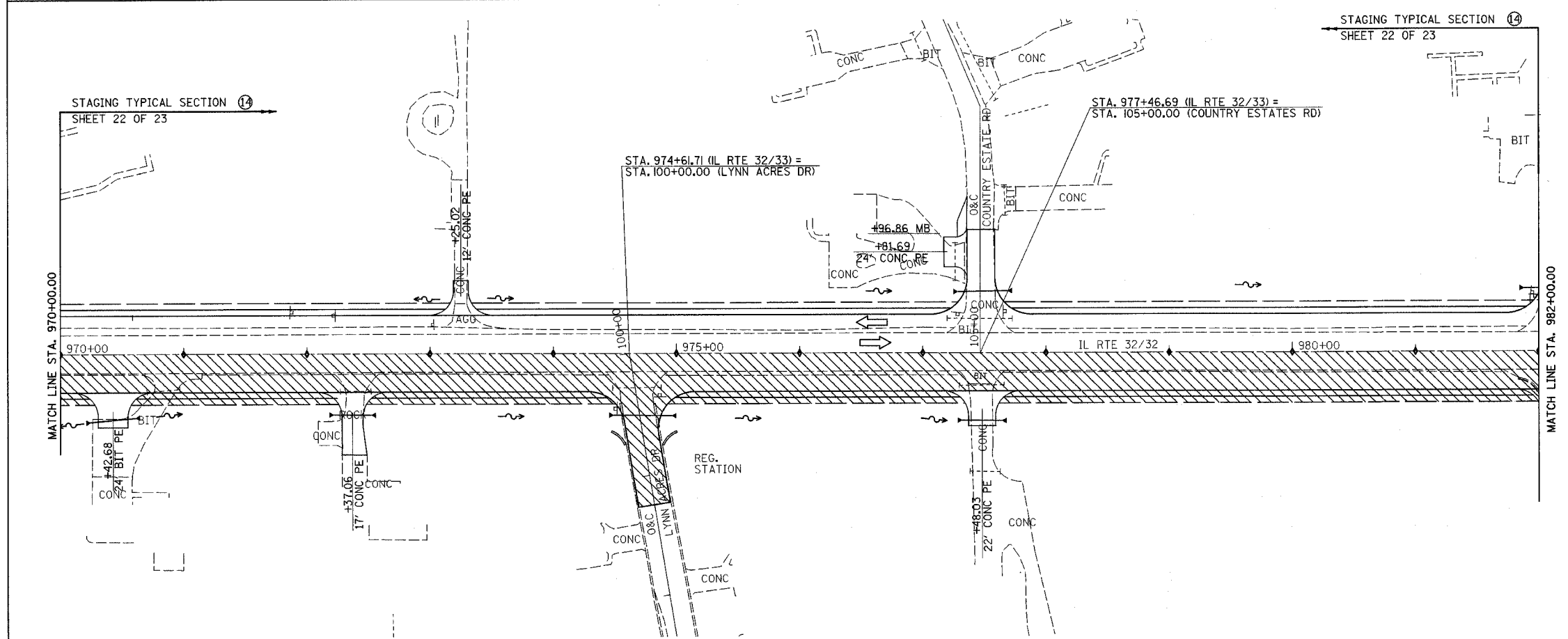
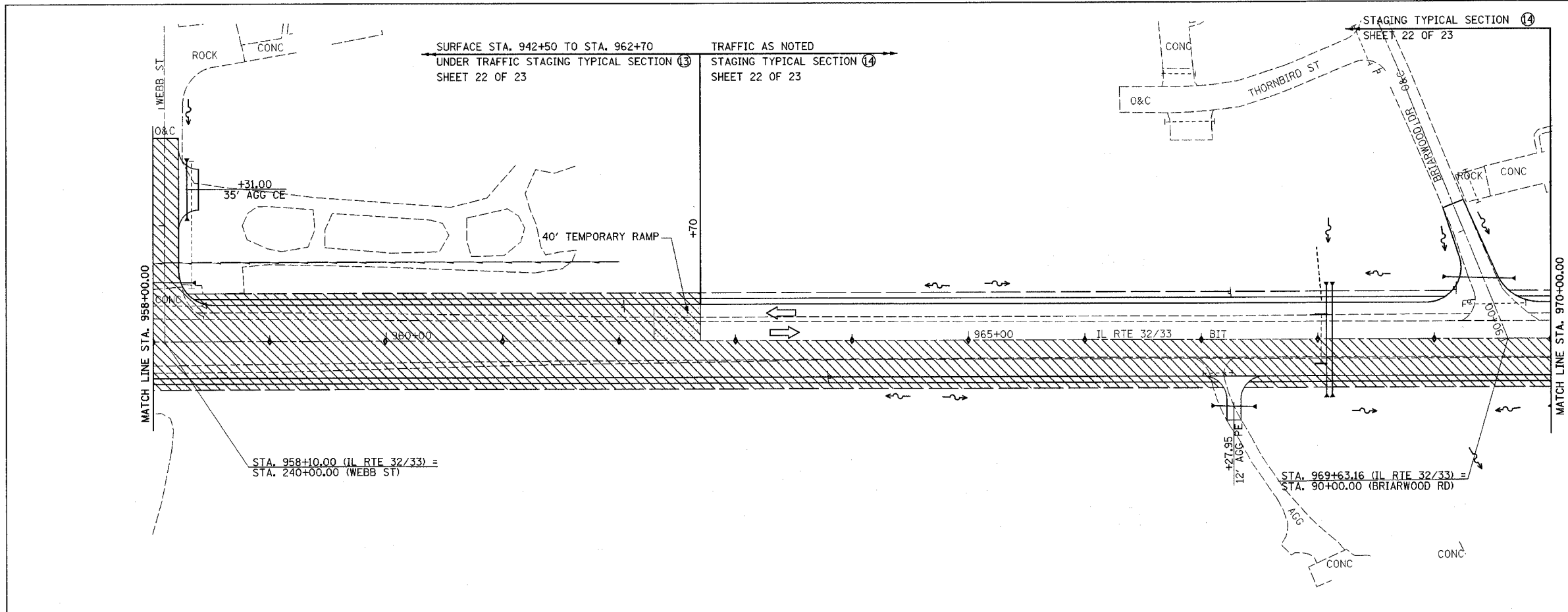
DRAWN BY ASB  
CHECKED BY RDW



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

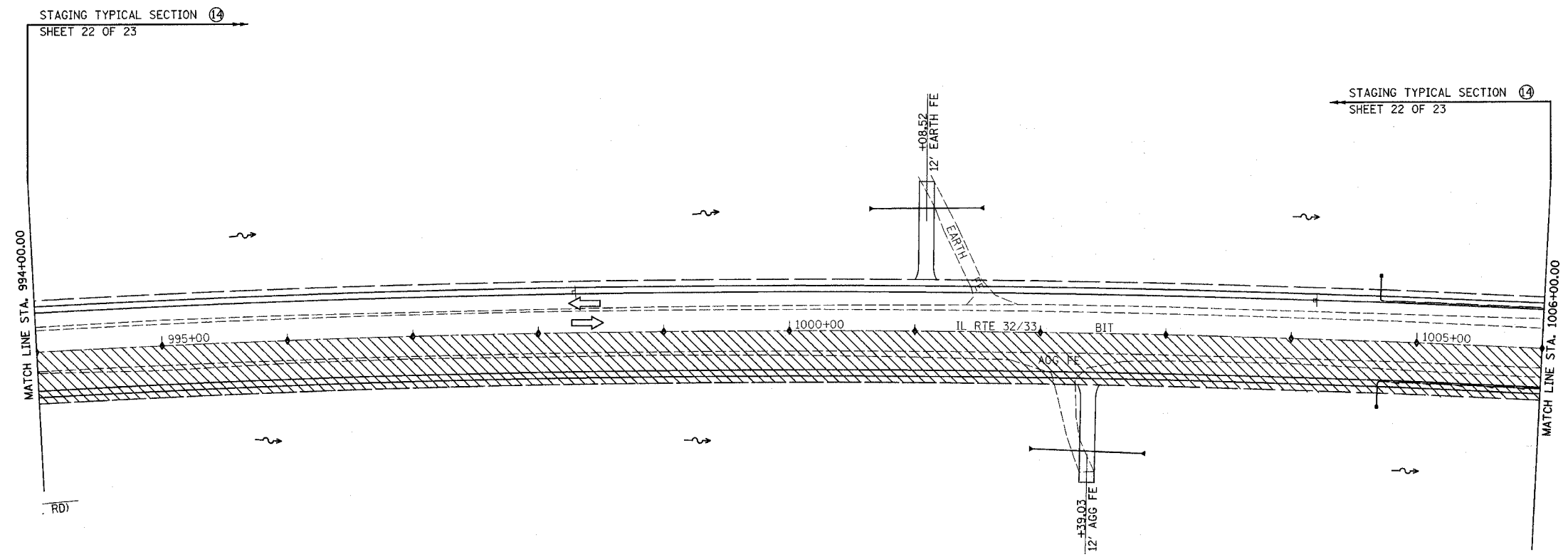
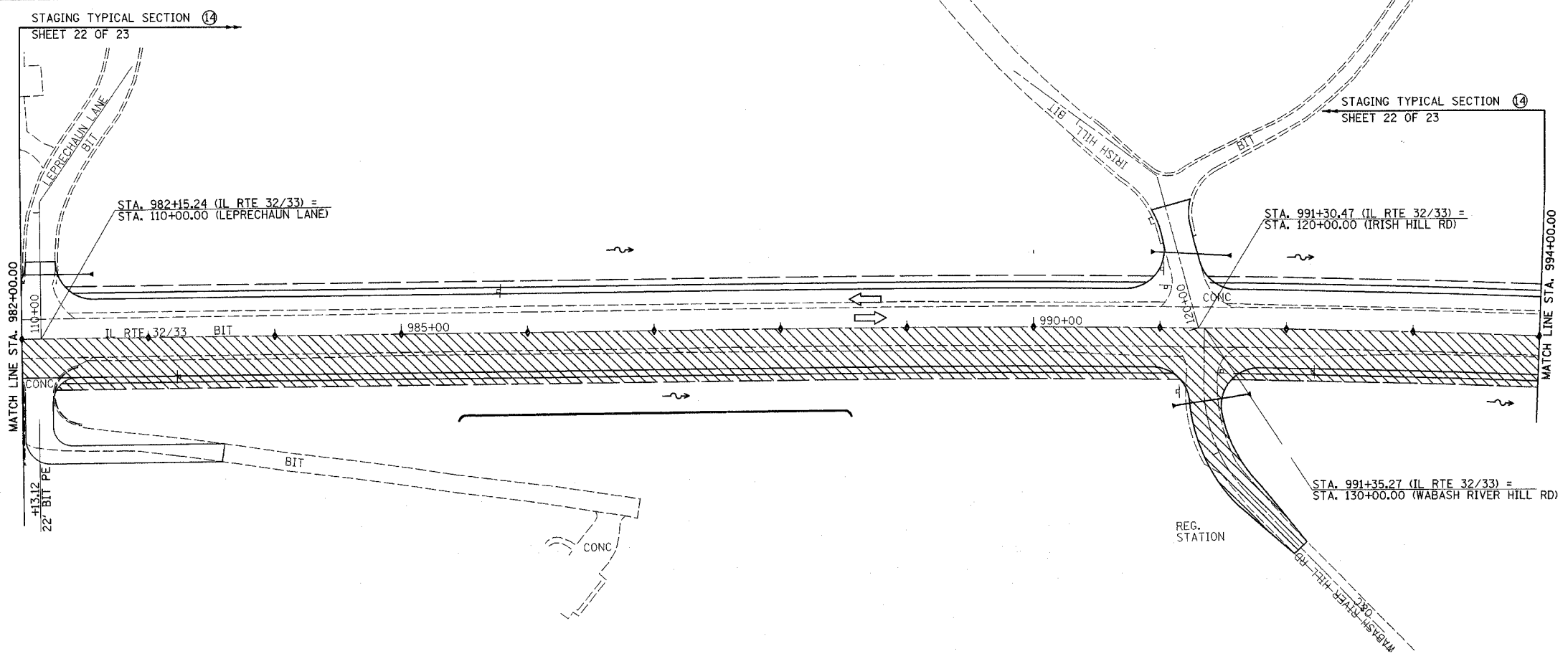
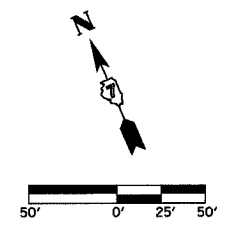


LEGEND  
 STAGE III CONSTRUCTION  
 BARRICADES, TYPE II

REVISIONS	
NAME	DATE

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. 774	SECTION *	COUNTY EFFINGHAM	TOTAL SHEETS 273	SHEET NO. 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

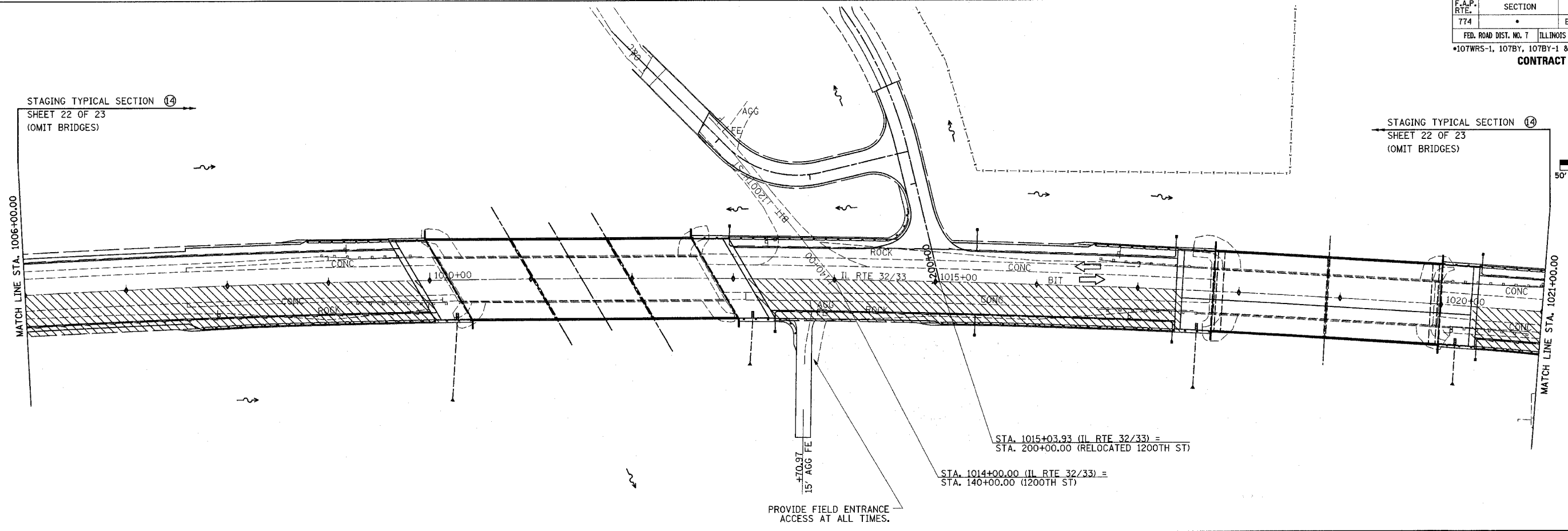
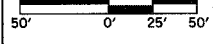
DATE 8/02

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)

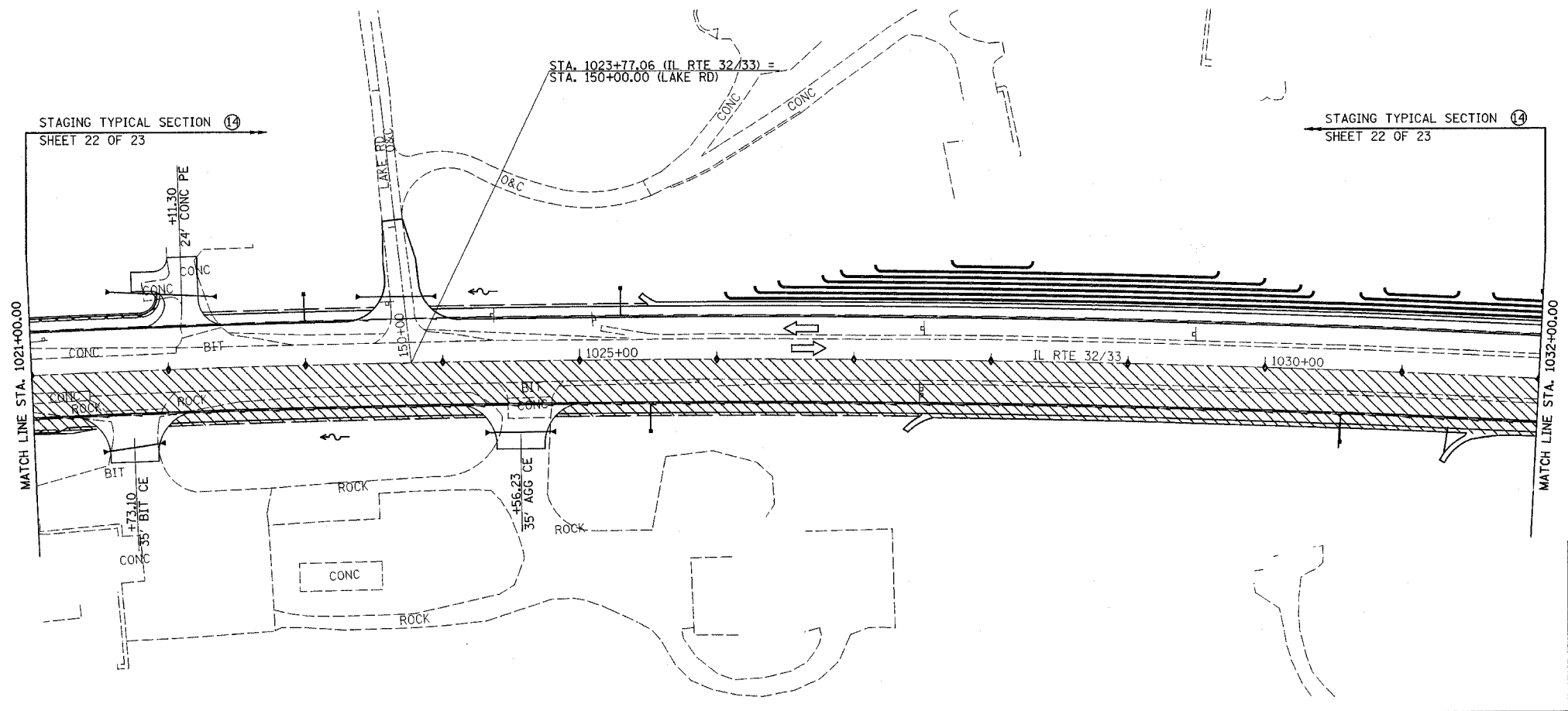
STAGING TYPICAL SECTION 14  
SHEET 22 OF 23  
(OMIT BRIDGES)



PROVIDE FIELD ENTRANCE ACCESS AT ALL TIMES.

STAGING TYPICAL SECTION 14  
SHEET 22 OF 23

STAGING TYPICAL SECTION 14  
SHEET 22 OF 23



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

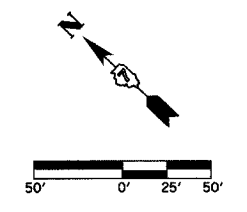
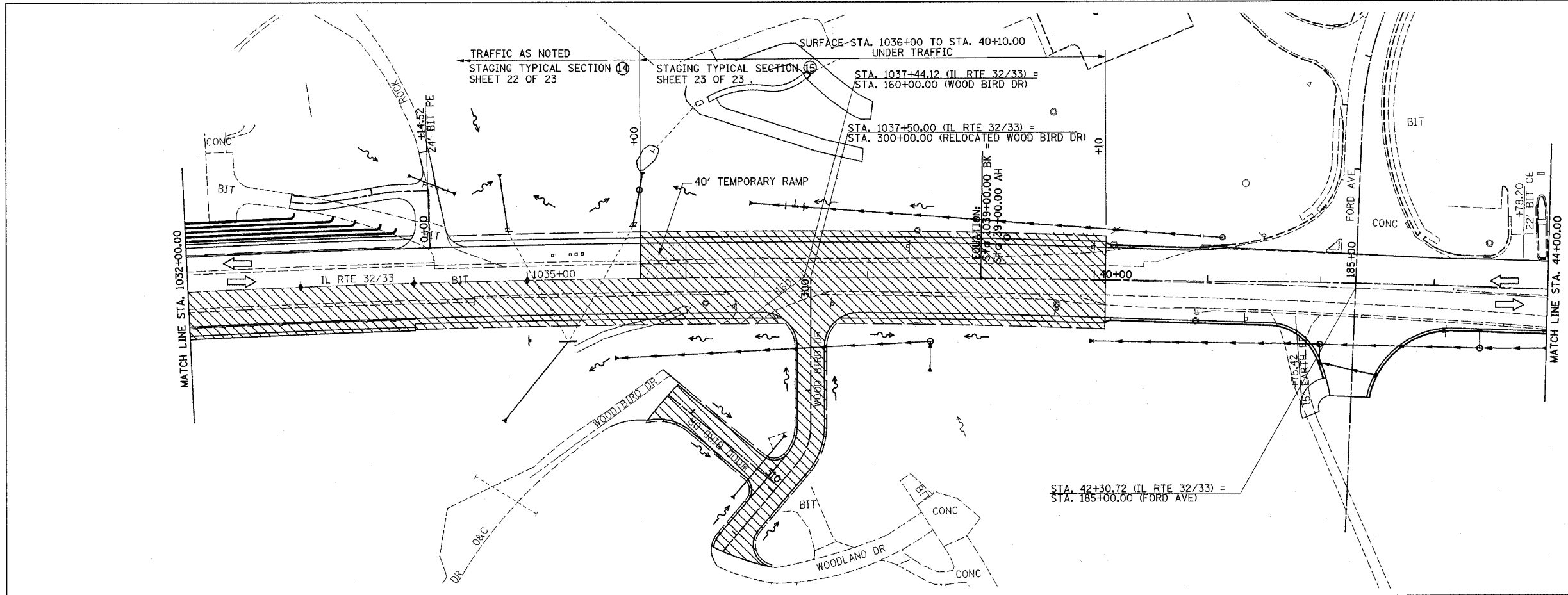
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

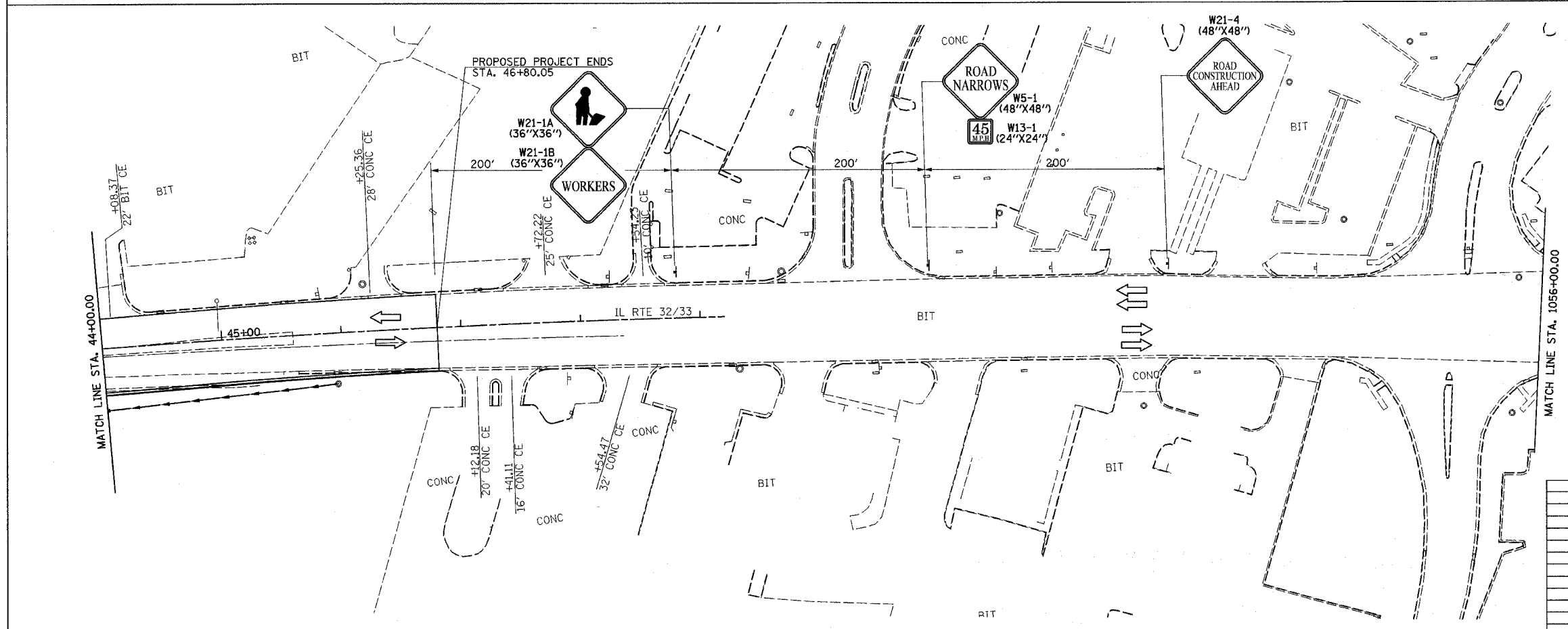
TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 20 OF 23

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				
<b>CONTRACT NO. 94827</b>				



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



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

REVISIONS	
NAME	DATE

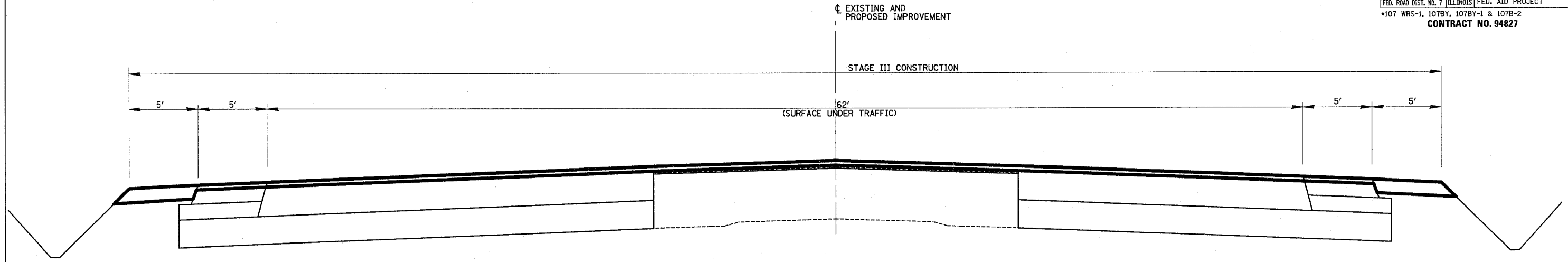
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL  
STAGE III CONSTRUCTION  
SHEET 21 OF 23

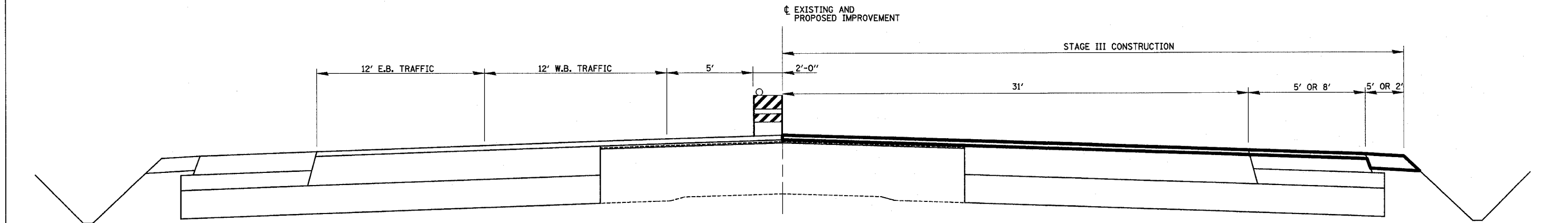
DATE 8/02

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

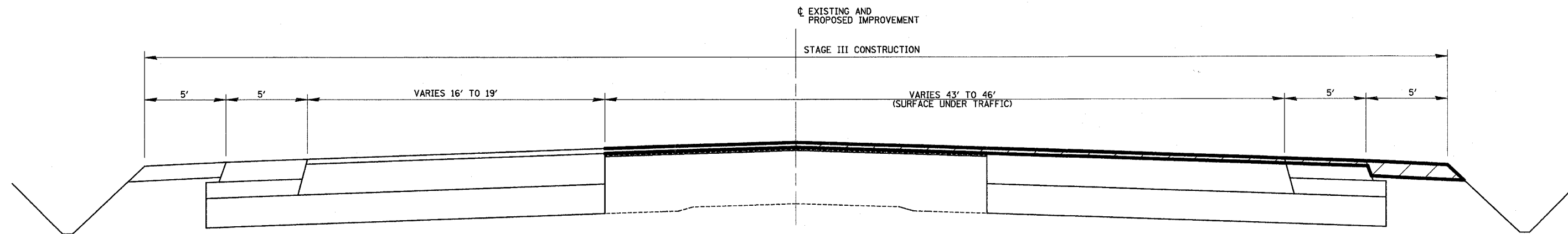
LEGEND  
 STAGE III CONSTRUCTION

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

▨ STAGE III CONSTRUCTION

REVISIONS	
NAME	DATE

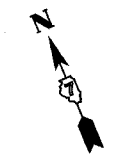
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 STAGE III  
 SHEET 23 OF 23

DATE 8/02

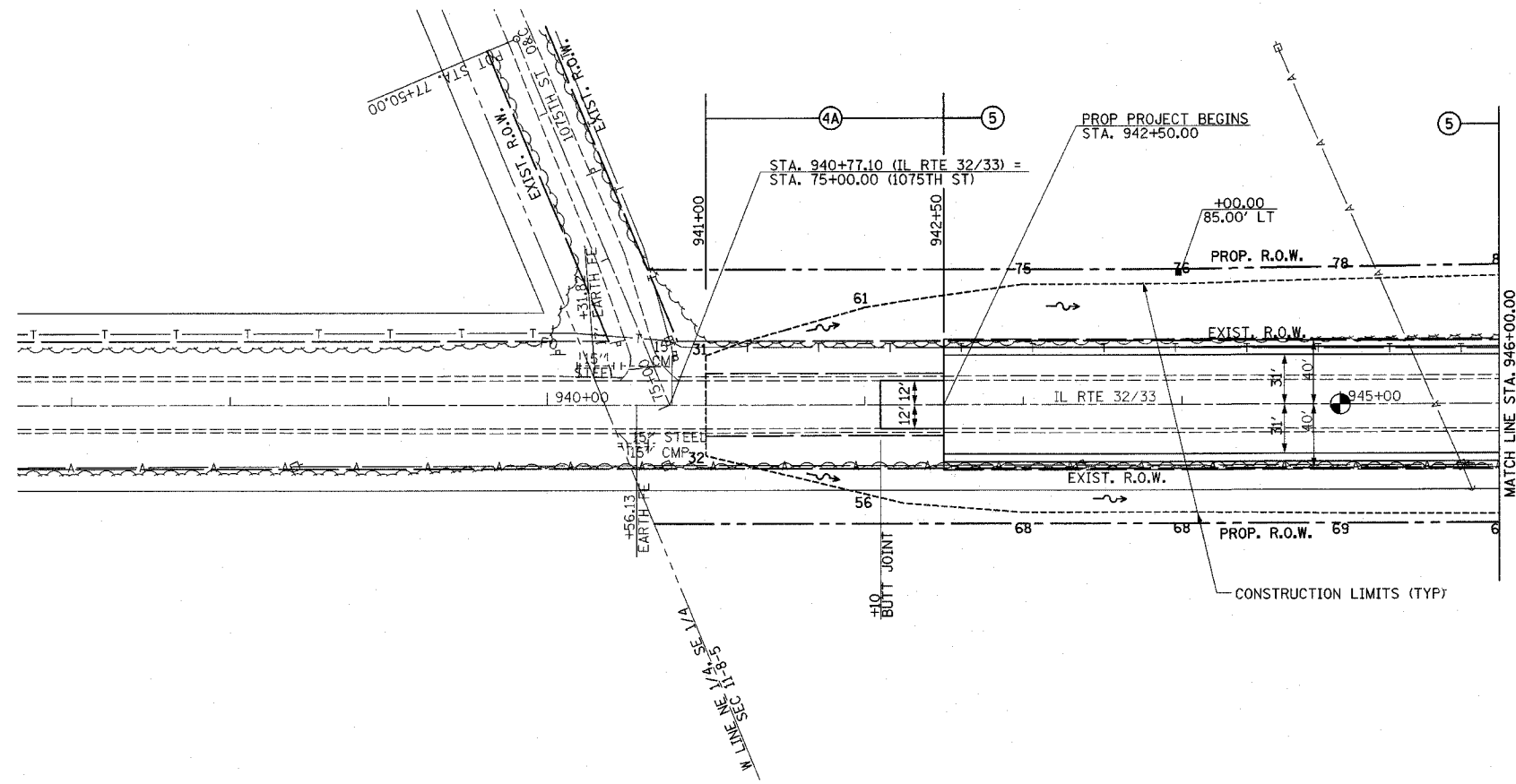
DRAWN BY MLO  
 CHECKED BY SJK

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>				



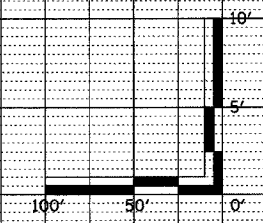
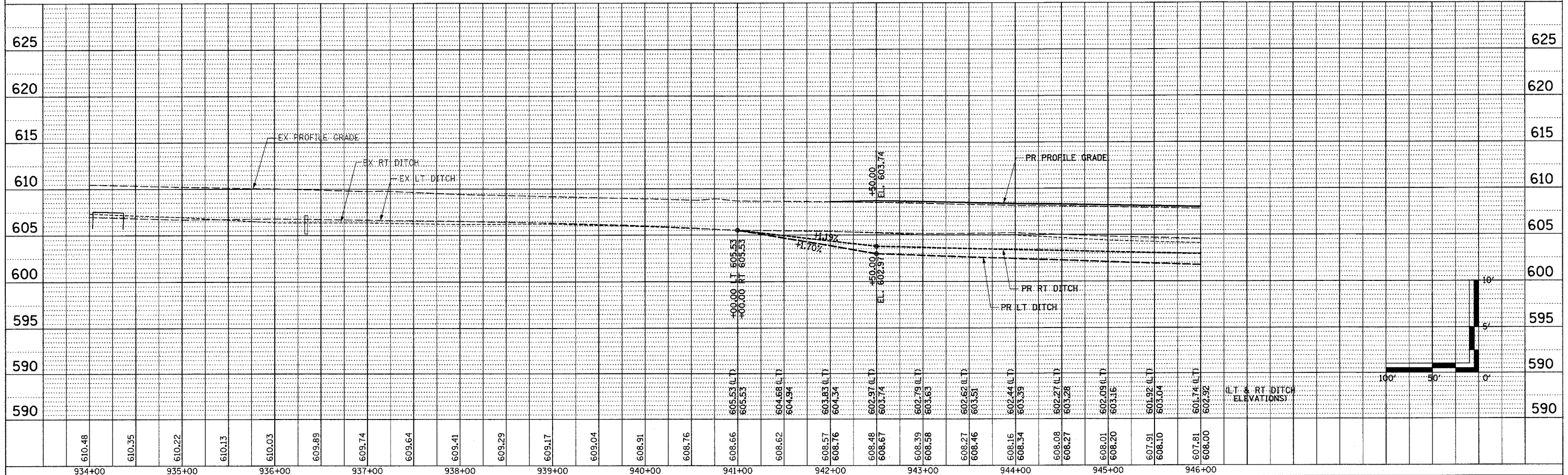
PERMANENT SURVEY MARKER, TYPE J  
STA. 945+00.00 1 EACH

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



PLAN	DATE	BY
REVISED		
ALIGNED		
CHECKED		
NO. _____		

PROFILE	DATE	BY
GRADES		
CHECKED		
NO. _____		

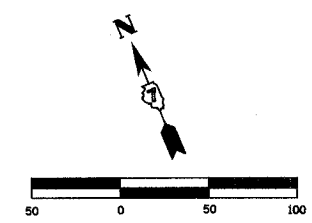


MAIN LINE SHEET 1 OF 12

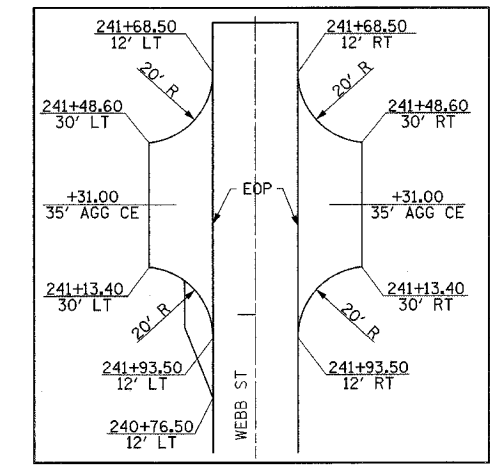
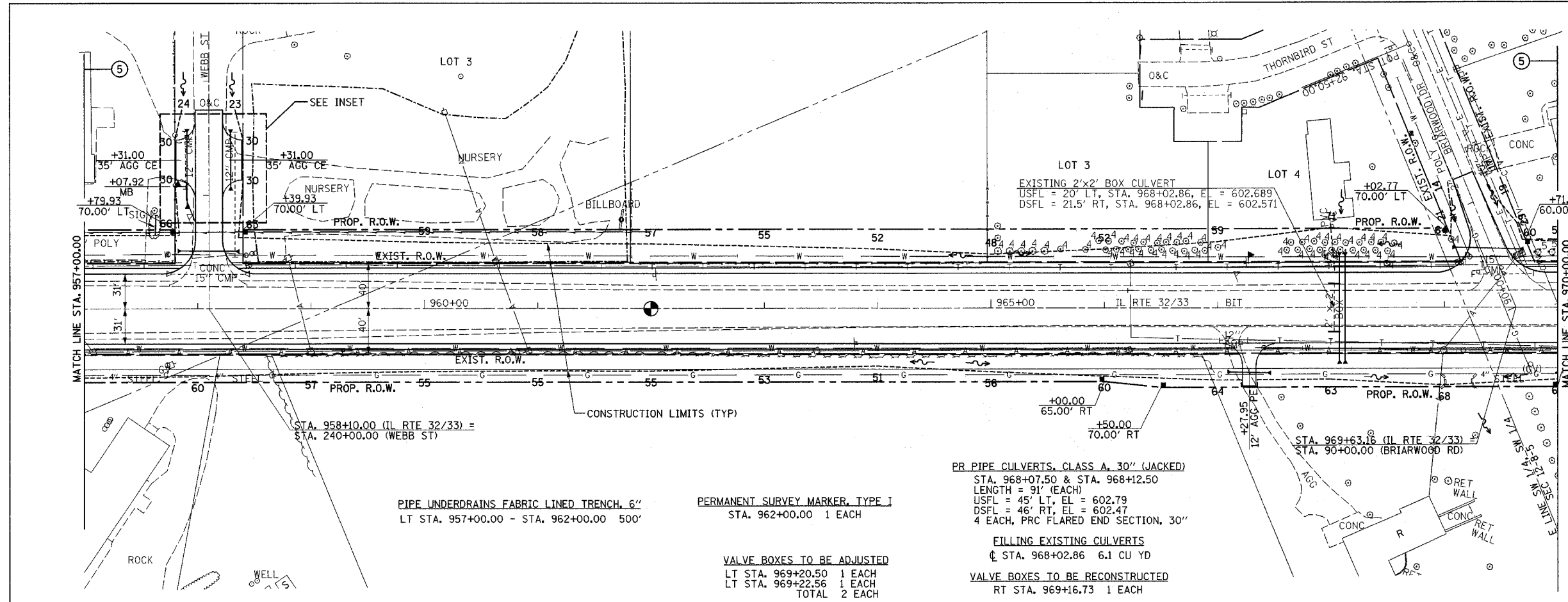








DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_



PIPE UNDERDRAINS FABRIC LINED TRENCH, 6"  
 LT STA. 957+00.00 - STA. 962+00.00 500'

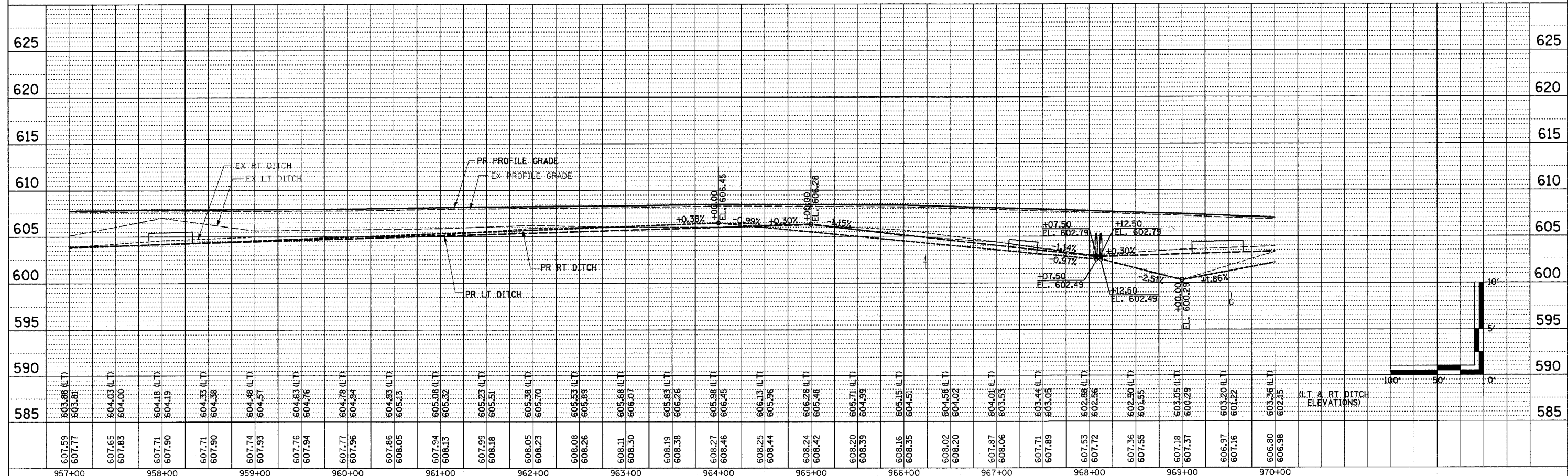
PERMANENT SURVEY MARKER, TYPE I  
 STA. 962+00.00 1 EACH

VALVE BOXES TO BE ADJUSTED  
 LT STA. 969+20.50 1 EACH  
 LT STA. 969+22.56 1 EACH  
 TOTAL 2 EACH

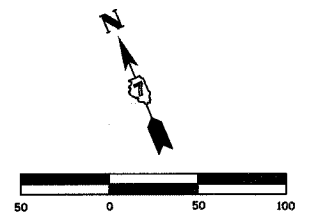
PR PIPE CULVERTS, CLASS A, 30" (JACKED)  
 STA. 968+07.50 & STA. 968+12.50  
 LENGTH = 91' (EACH)  
 USFL = 45' LT, EL = 602.79  
 DSFL = 46' RT, EL = 602.47  
 4 EACH, PRC FLARED END SECTION, 30"

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: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK NO.: \_\_\_\_\_

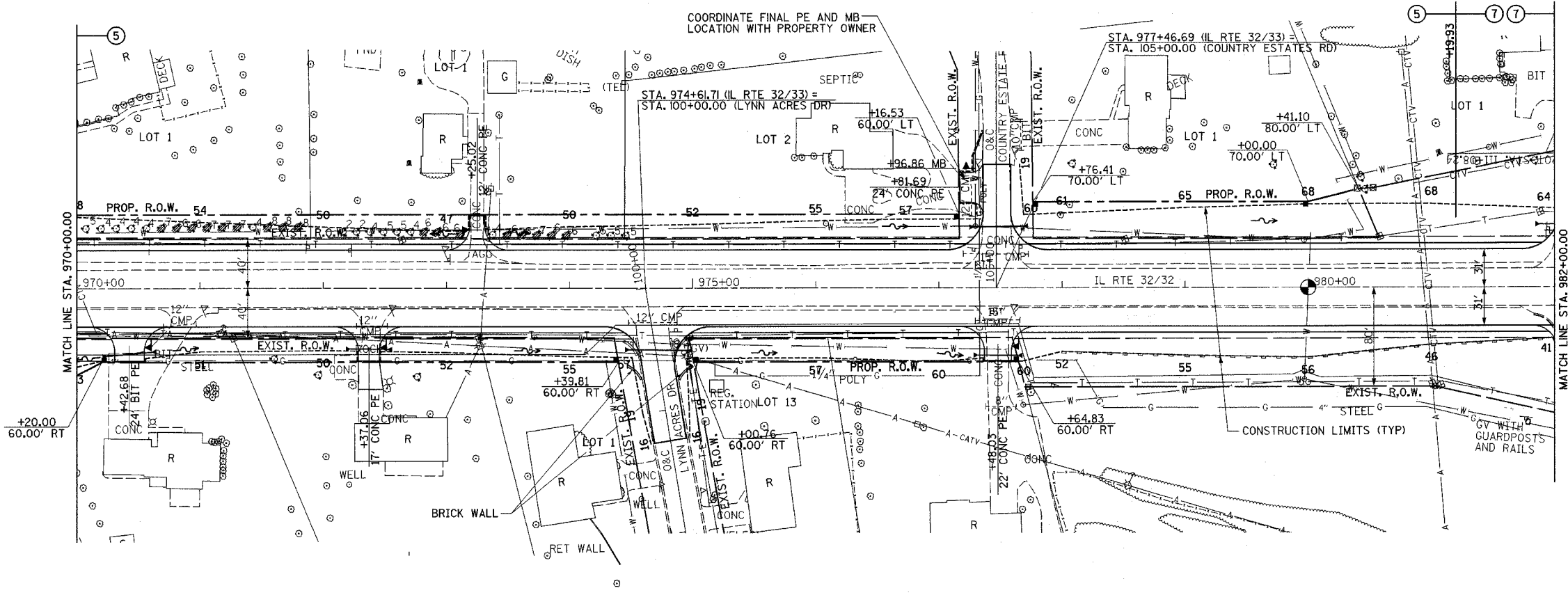


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	58
STA. 970+00.00 TO STA. 982+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				

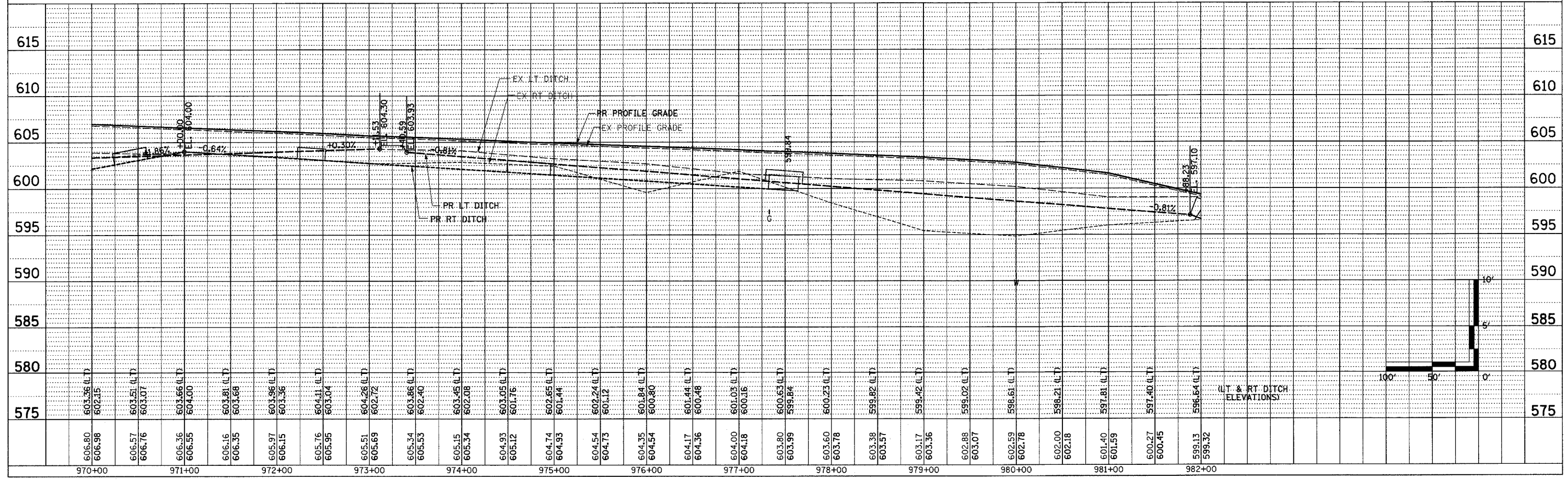


DATE	
BY	
PLANNED	
ALIGNED	
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NO.	
FILE NAME	

DATE	
BY	
PLANNED	
GRADES	
CHECKED	
NO.	
NOTATION	
CHRD	



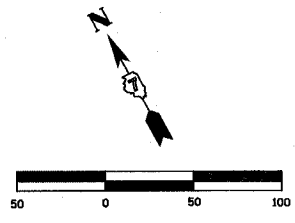
- PERMANENT SURVEY MARKERS, TYPE I  
STA. 980+00.00 1 EACH
- VALVE BOXES TO BE ADJUSTED  
LT STA. 979+96.71 1 EACH
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL  
RT STA 981+83.27 - STA. 982+01.11 86'
- GUTTER REMOVAL  
LT STA. 98+75.00 - STA. 99+61.31 86'  
RT STA. 98+75.00 - STA. 99+56.50 82'  
TOTAL 168'
- BRICK WALL REMOVAL  
RT STA. 974+44.08 - 974+54.73 16'  
RT STA. 974+85.93 - 974+94.43 15'  
TOTAL 31'
- BRICK WALL  
RT STA. 974+47.70 - 974+58.80 16'  
RT STA. 974+88.60 - 974+99.80 16'  
TOTAL 32'  
(SEE SHEET 113 FOR BRICK WALL DETAILS)





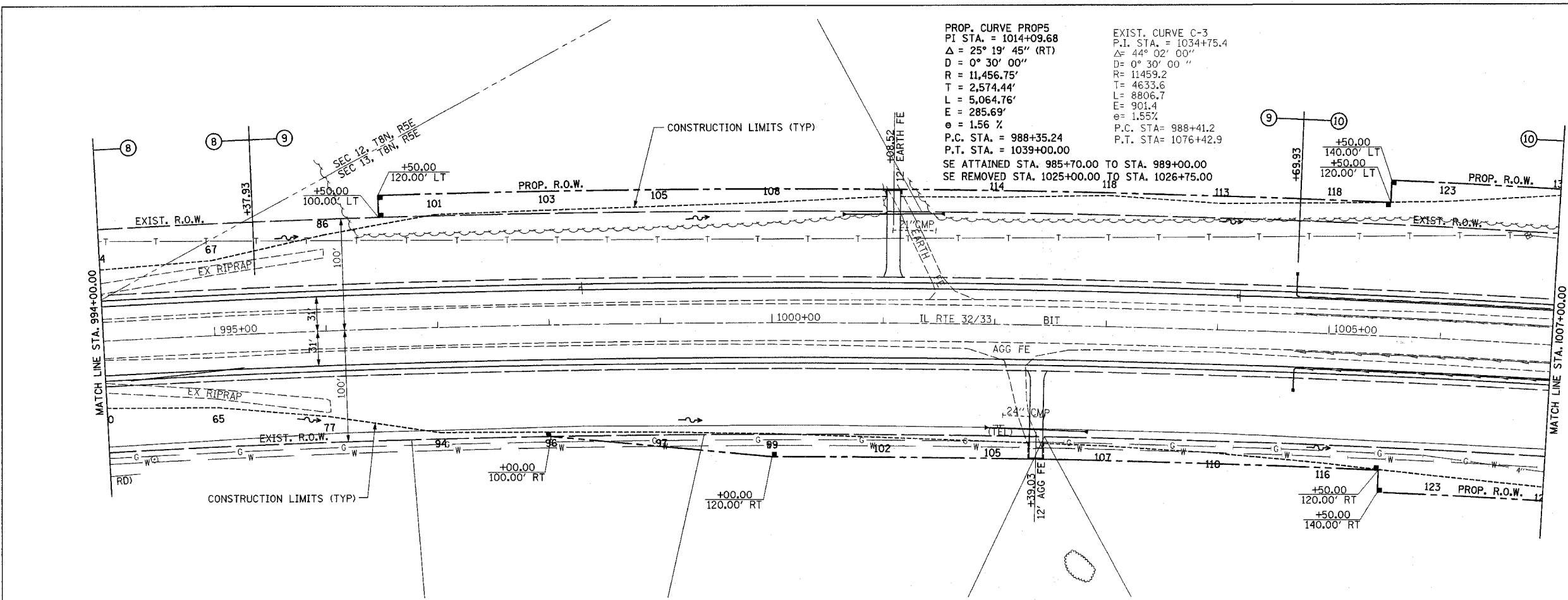


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	60
STA. 994+00.00 TO STA. 1007+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



**PROP. CURVE PROPS**  
 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

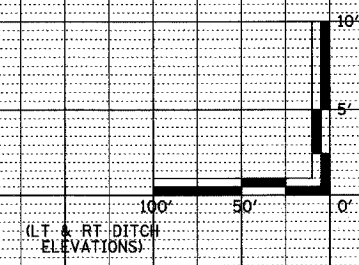
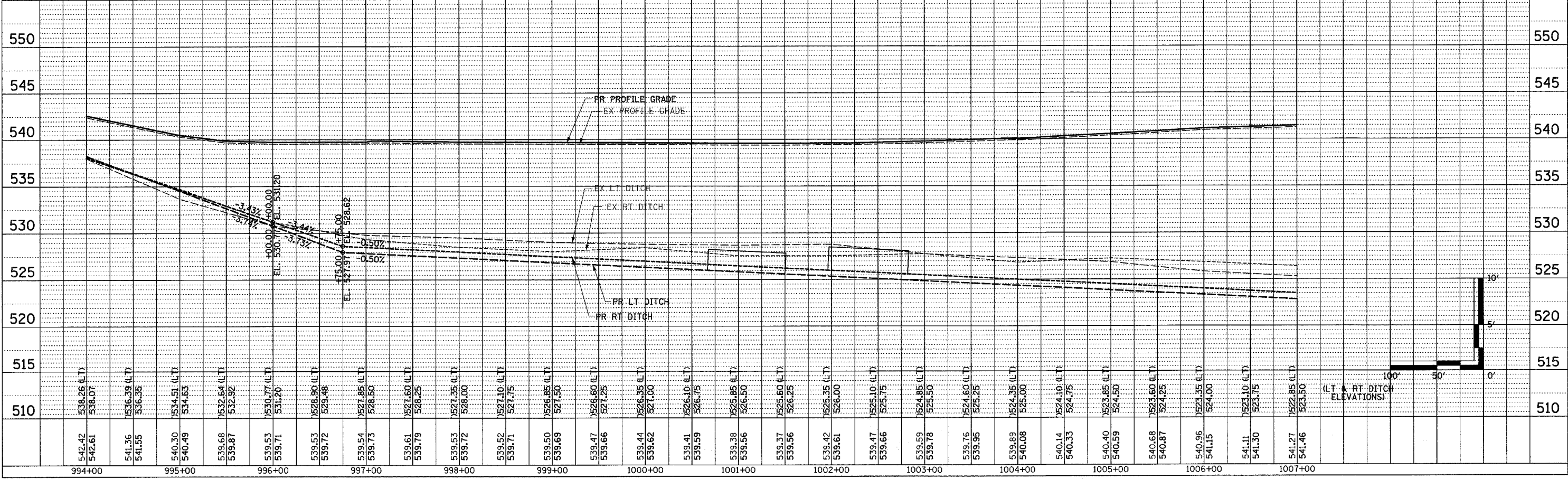
**EXIST. CURVE C-3**  
 P.I. STA. = 1034+75.4  
 $\Delta = 44^\circ 02' 00''$   
 $D = 0^\circ 30' 00''$   
 $R = 11,459.2$   
 $T = 4,633.6$   
 $L = 8,806.7$   
 $E = 901.4$   
 $e = 1.55\%$   
 P.C. STA. = 988+41.2  
 P.T. STA. = 1076+42.9



- 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

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

DATE	BY	DATE	BY
PROFILE	SURVEYED	GRADES	CHECKED
NOTE BOOK	NO. NOTED	NO. CHECKED	NO. CHECKED
NO.	NO.	NO.	NO.





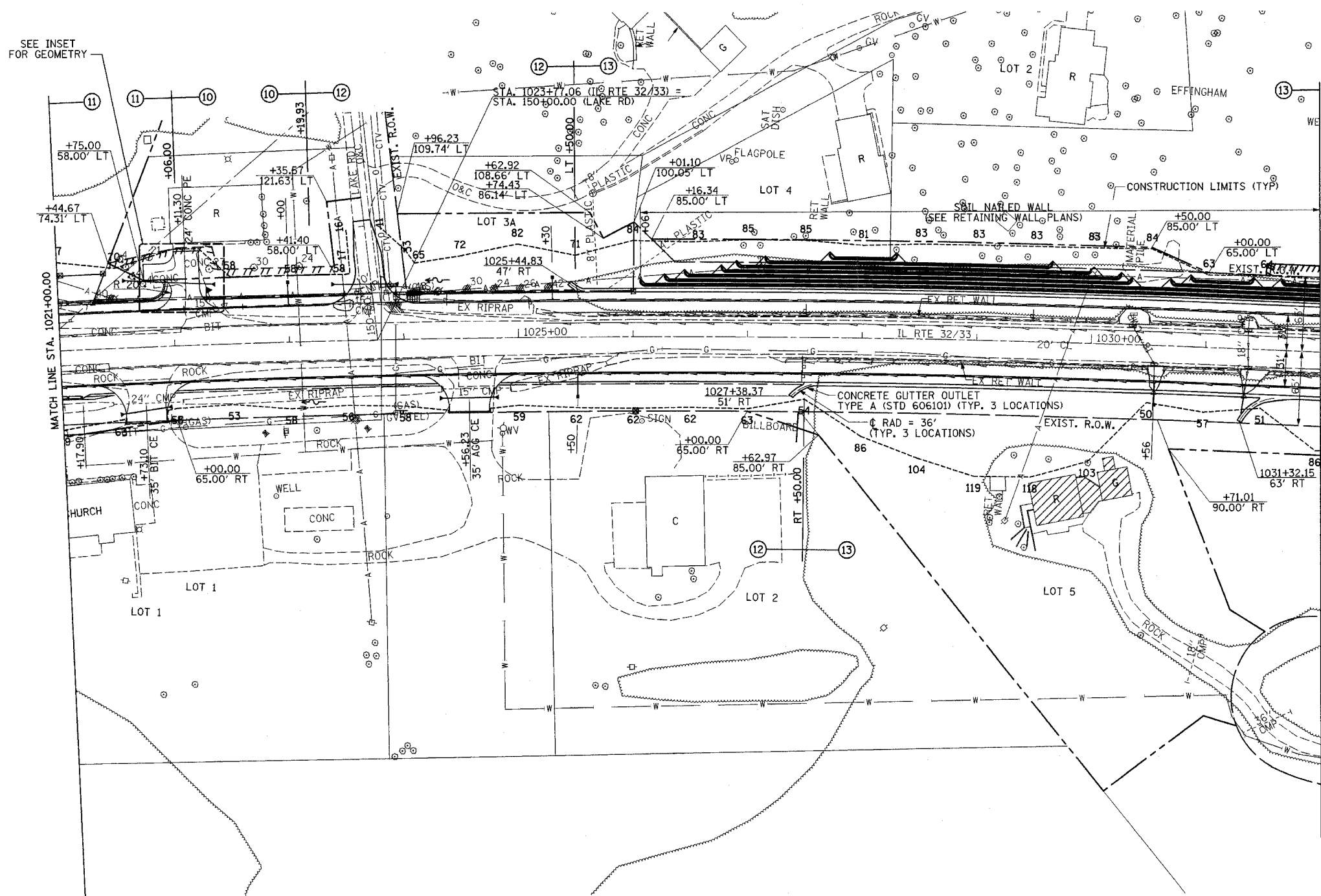
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	62
STA. 1021+00.00 TO STA. 1032+00.00				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				

**CONTRACT NO. 94827**

**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.



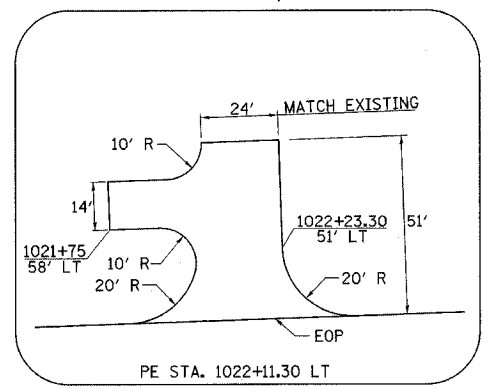
- PAVED DITCH REMOVAL**  
 RT STA. 1021+00.00 - STA. 1021+44.49 45'  
 LT STA. 1021+00.00 - STA. 1021+25.45 28'  
 TOTAL 73'
- GUTTER OUTLET REMOVAL**  
 LT STA. 1025+16.18 - STA. 1025+61.30 1 EACH  
 RT STA. 1025+77.57 - STA. 1026+49.74 1 EACH  
 TOTAL 2 EACH
- CONCRETE GUTTER, TYPE A**  
 LT STA. 1025+55.00 - 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  
 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



SEE INSET FOR GEOMETRY

PLAN	DATE	BY

PROFILE	DATE	BY



**INSET**

SEE RURAL ENTRANCE DETAILS & SCHEDULES FOR SECTIONS

**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

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

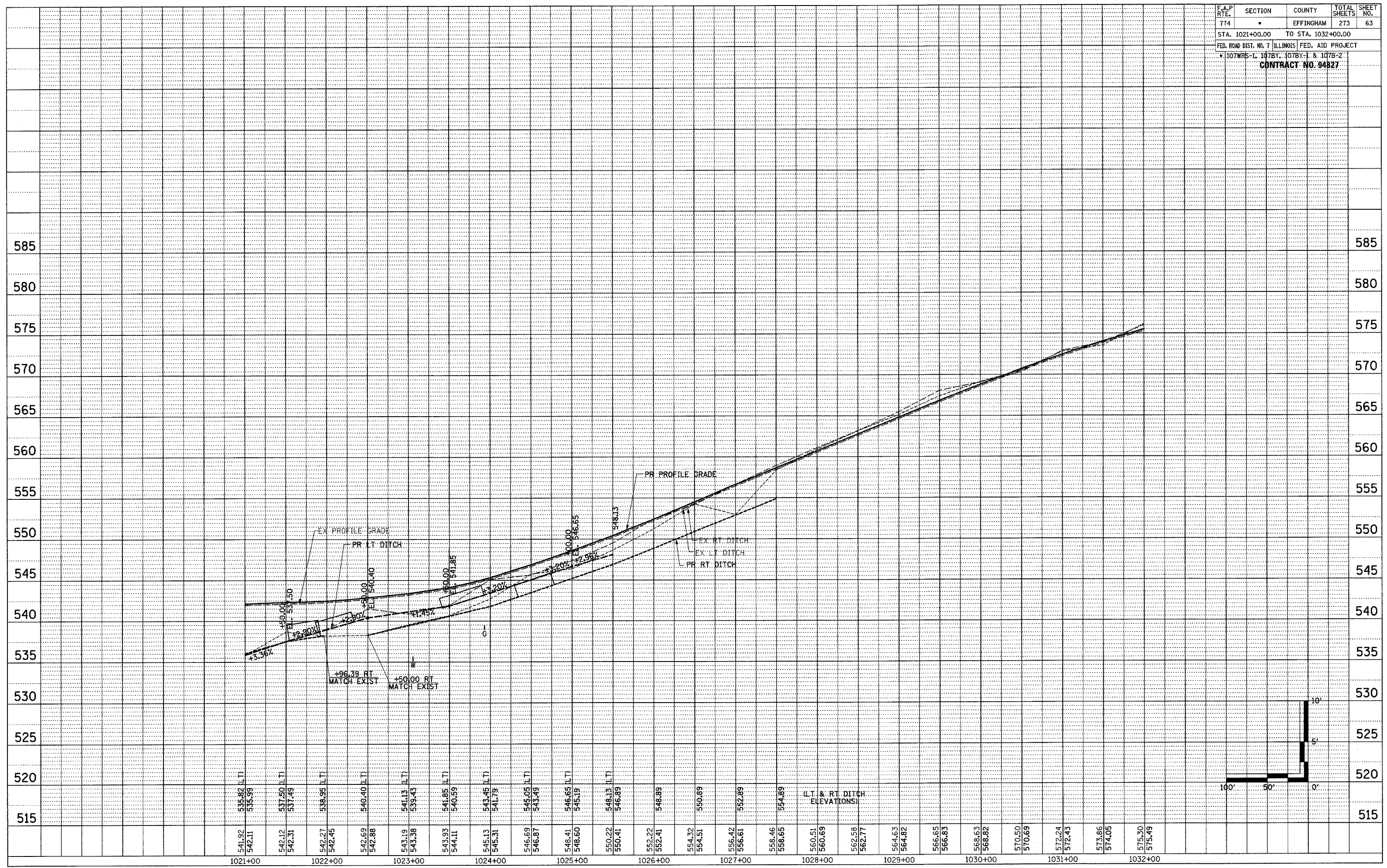
**STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)**  
 LT STA. 1021+80.40 - STA. 1021+95.40 24'



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	•	EFFINGHAM	273	63
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				
CONTRACT NO. 94827				

PLAN	DATE
BY	
REVISION	
NO.	
NOTE BOOK	
NO.	
DATE	

PROFILE	DATE
BY	
REVISION	
NO.	
NOTE BOOK	
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DATE	

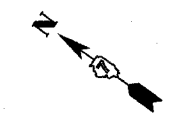








F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	66
STA. 44+00.00		TO STA. 49+20.13		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
		107WRS-1, 107BY, 107BY-1 & 107B-2		
<b>CONTRACT NO. 94827</b>				

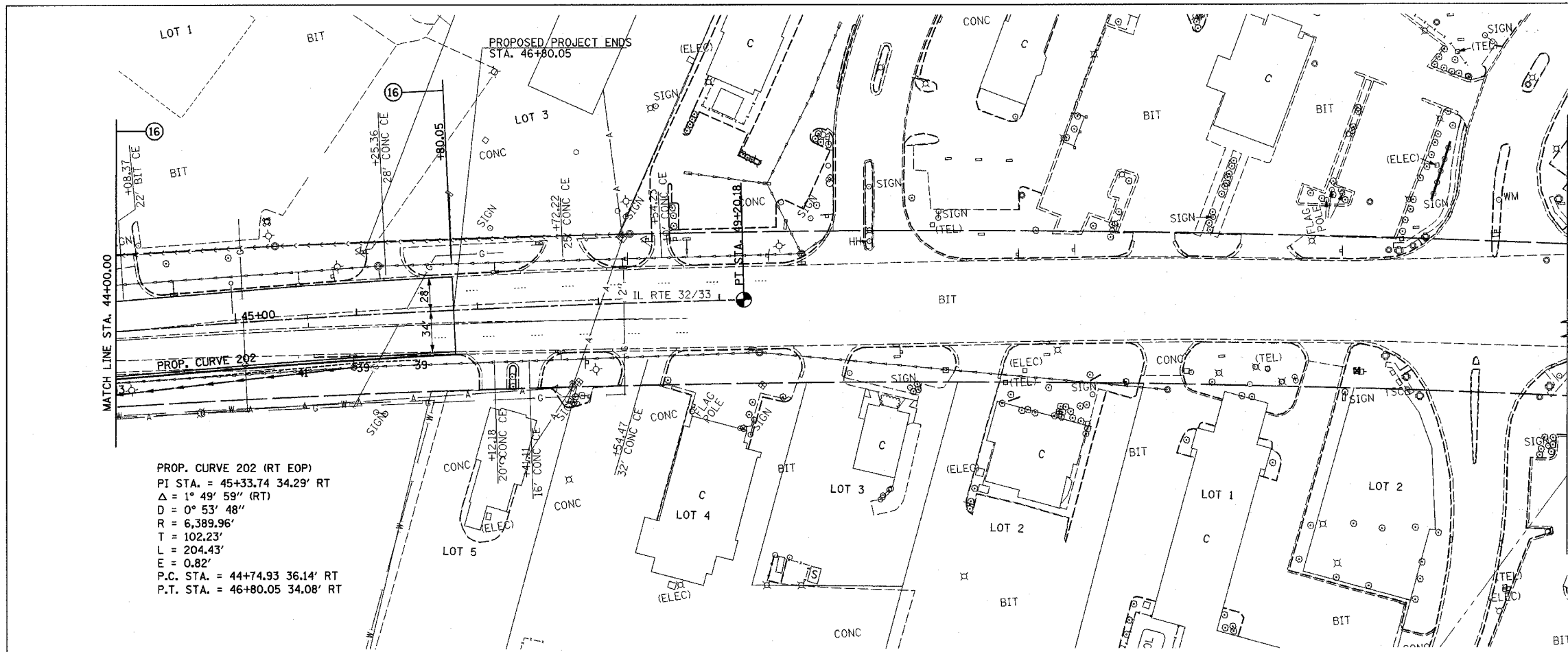


- PERMANENT SURVEY MARKER, TYPE I  
PT STA. 49+20.18 1 EACH
- STORM SEWER REMOVAL, 24"  
RT STA. 44+00.00 - STA. 45+95.00 195'
- INLETS TO BE ADJUSTED WITH NEW  
TYPE 3 FRAME AND GRATE  
RT STA. 45+95.00 1 EACH
- COMBINATION CURB AND GUTTER TYPE B-6.24  
RT STA. 44+00.00 - STA. 46+80.05 280'
- MEDIAN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

SEE STORM SEWER  
SCHEDULE SHEET 28

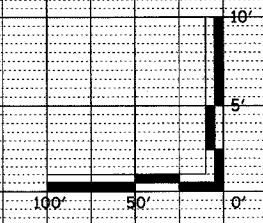
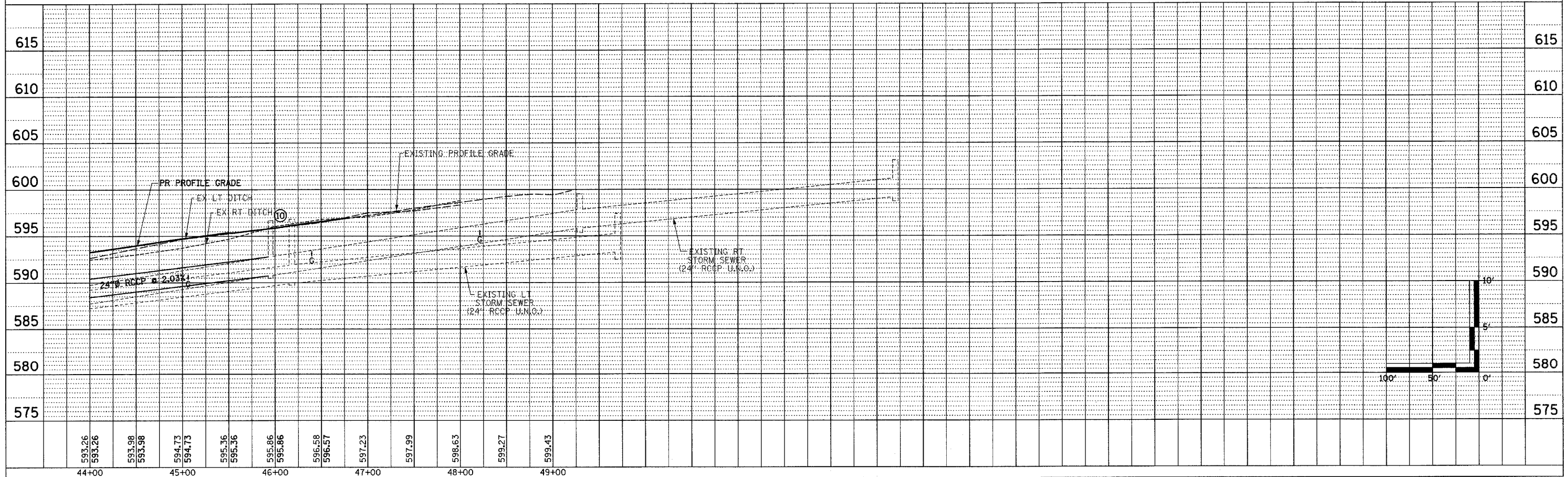
- PROP. CURVE PROP4-2  
P.I. STA. = 45+21.11  
 $\Delta = 4^\circ 27' 29''$  (RT)  
D =  $0^\circ 33' 30''$   
R = 10,263.16'  
T = 399.48'  
L = 798.55'  
E = 7.77'  
e = N/C  
P.C. STA = 41+21.63  
P.T. STA = 49+20.18
- EXIST. CURVE C-3  
P.I. STA. = 1034+75.4  
 $\Delta = 44^\circ 02' 00''$   
D =  $0^\circ 30' 00''$   
R = 11459.2'  
T = 4633.6'  
L = 8806.7'  
E = 901.4'  
e = 1.55%  
P.C. STA = 988+41.2  
P.T. STA = 1076+42.9

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
DATE		
NO.		
FILE NAME		



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

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
DATE		
NO.		
FILE NAME		



**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)  
 $D = 11^\circ 07' 12''$   
 $R = 515.26'$   
 $T = 112.32'$   
 $L = 221.18'$   
 $E = 12.10'$   
 $e =$   
 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)

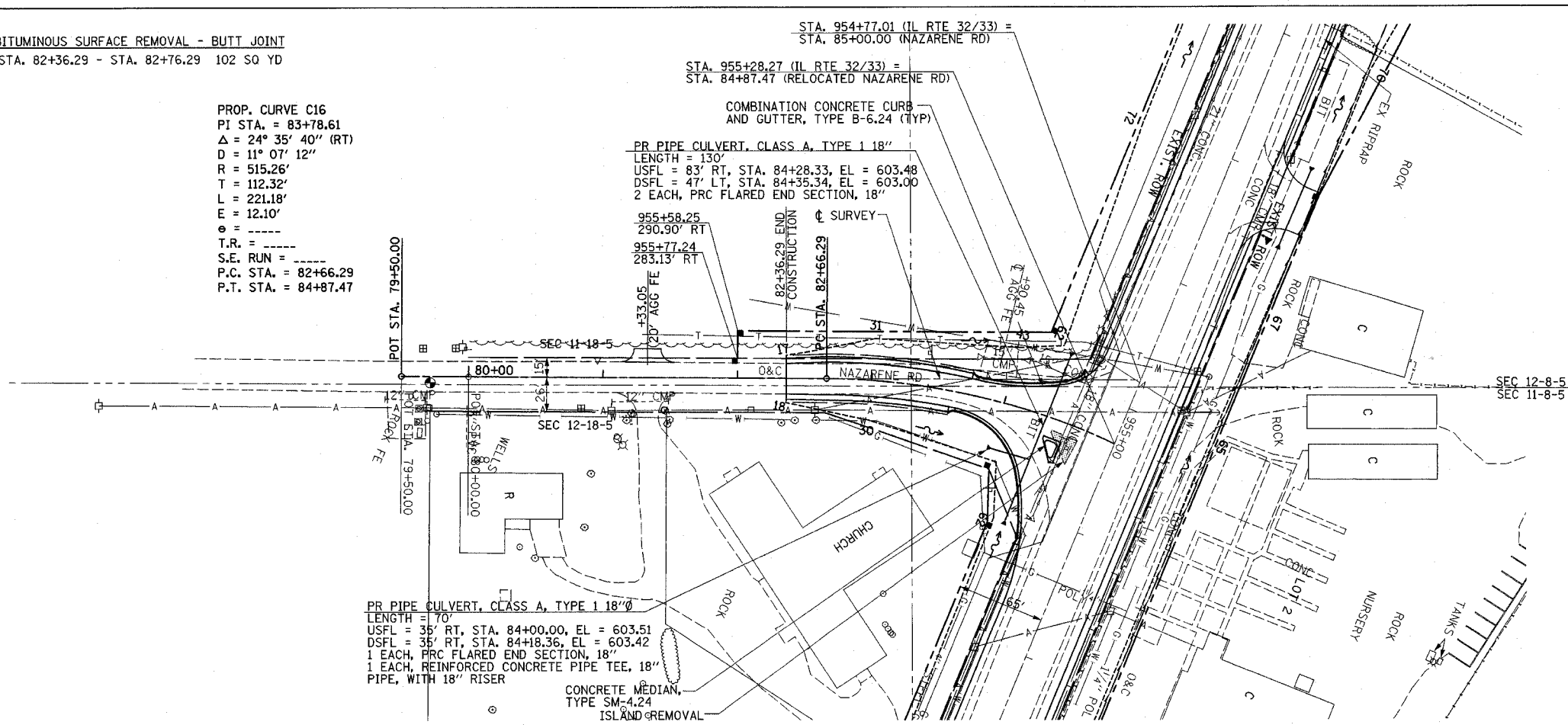
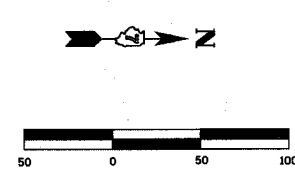
PR PIPE CULVERT, CLASS A, TYPE 1 18"  
 LENGTH = 130'  
 USFL = 83' RT, STA. 84+28.33, EL = 603.48  
 DSFL = 47' LT, STA. 84+35.34, EL = 603.00  
 2 EACH, PRC FLARED END SECTION, 18"

955+58.25  
 290.90' RT  
 955+77.24  
 283.13' RT

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

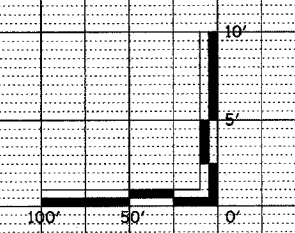
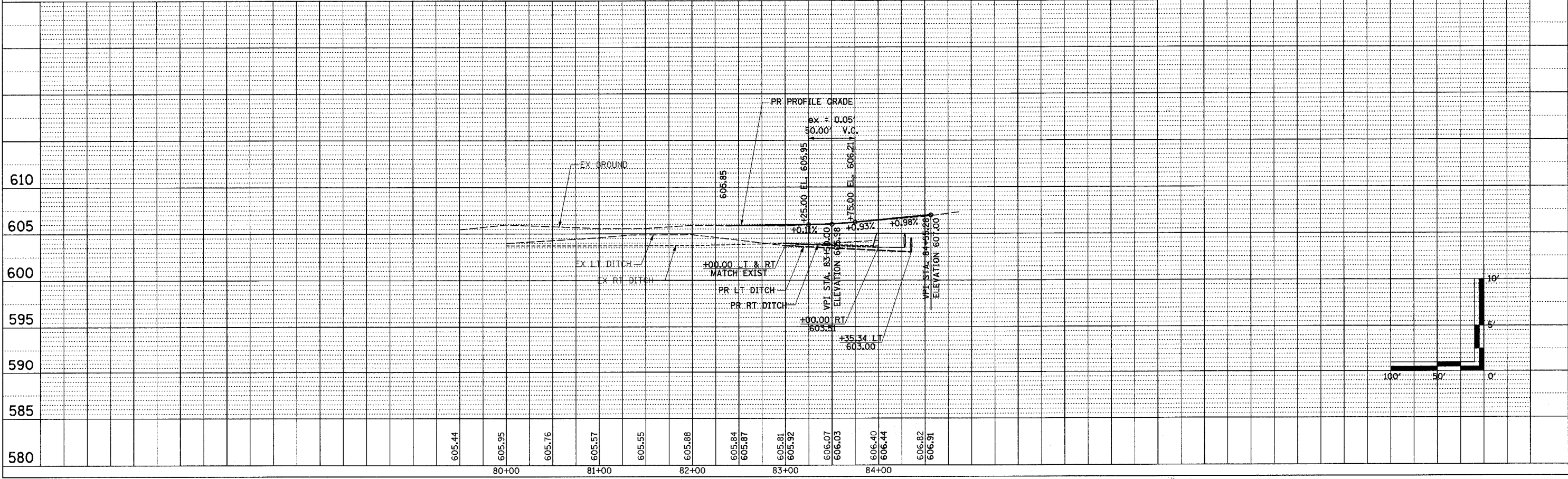
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	67
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				



FOR INTERSECTION GEOMETRICS  
 SEE SHEET 75

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	RT. OF WAY CHECKED	
	PLANS FILED	
	MADE	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADED	
NO.	NOTED	
	NOTARIES	
	CHFD	













F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	71
FED. ROAD DIST. NO. 7 (ILLINOIS) FED. AID PROJECT				



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

PR PIPE CULVERT, CLASS D, TYPE 1 30"  
LENGTH = 55'  
USFL = 22' LT, STA. 129+41.37, EL = 549.11  
DSFL = 33' RT, STA. 129+44.03, EL = 547.60  
2 EACH, END SECTION 150'

FOR INTERSECTION GEOMETRICS  
SEE SHEET 77

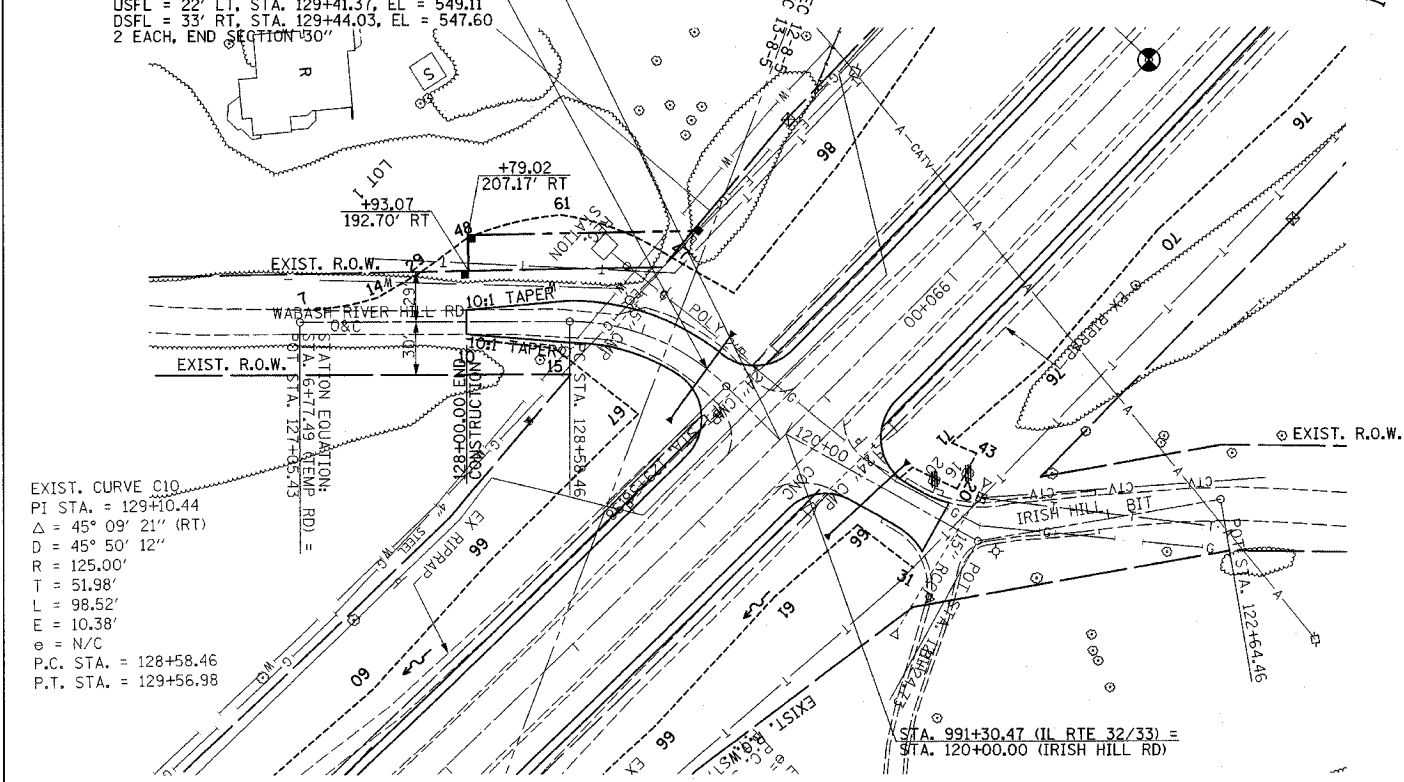
STA. 991+35.27 (IL RTE 32/33) =  
STA. 130+00.00 (WABASH RIVER HILLS RD)

TEMPORARY RD CONSISTS OF  
18' WIDE PAVEMENT (AGGREGATE  
SURFACE COURSE, TYPE A, 8")  
WITH 2' EARTH SHOULDERS

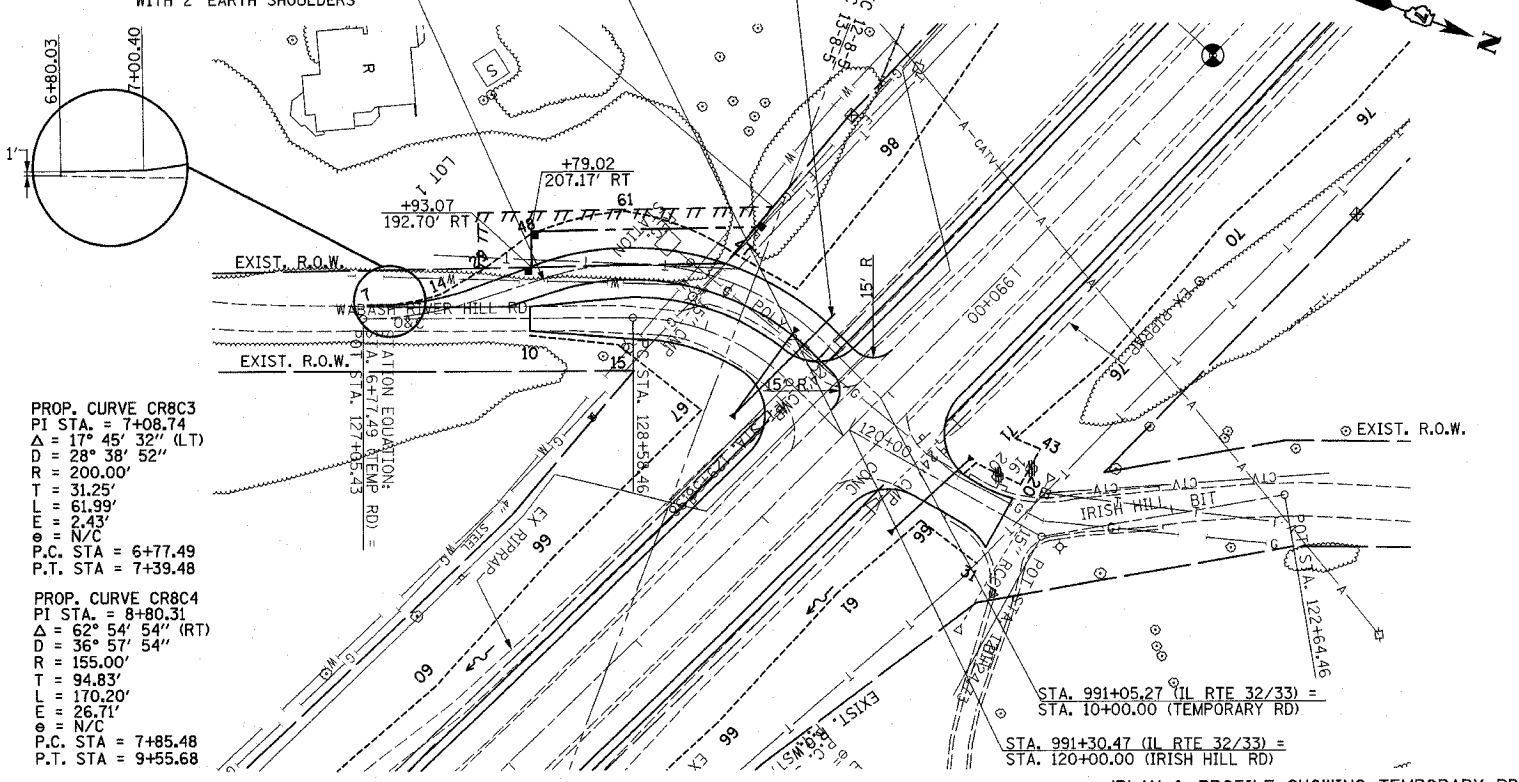
TEMPORARY CULVERT EXTENSION (LENGTH 24')  
COST INCLUDED IN COST OF TEMPORARY ROAD  
**CONTRACT NO. 94827**

PLAN	DATE
REVISION	
BY	
DATE	
BY	
DATE	
BY	
DATE	

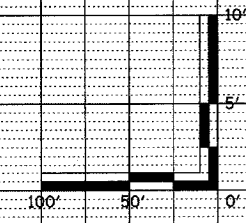
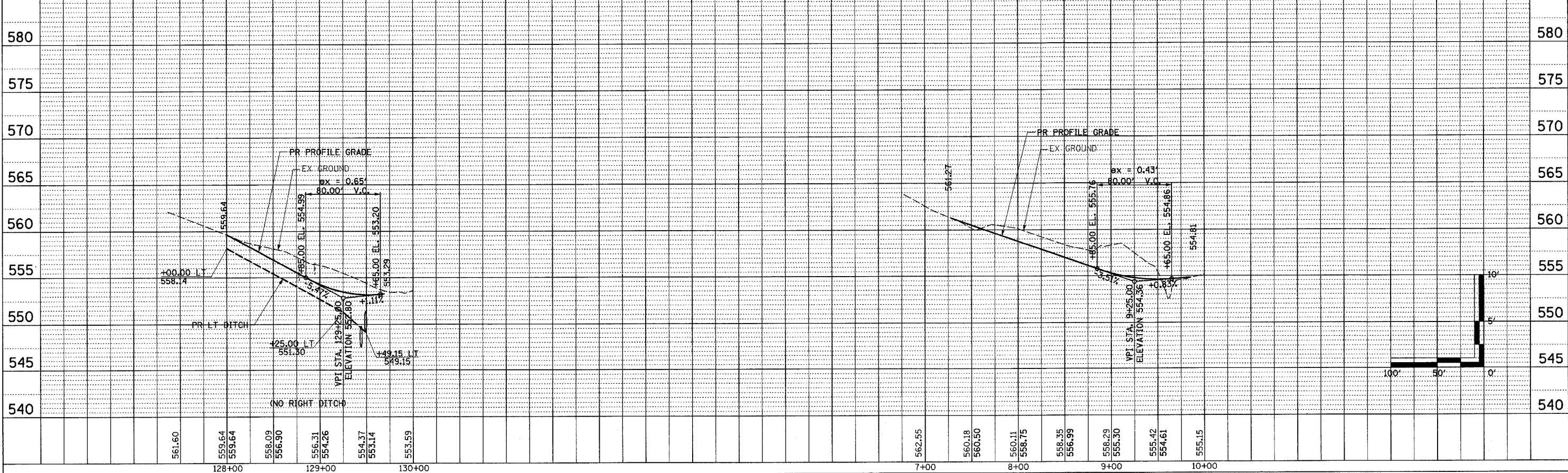
PROFILE	DATE
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BY	
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DATE	
BY	
DATE	



(PLAN & PROFILE SHOWING PERMANENT RD)



(PLAN & PROFILE SHOWING TEMPORARY RD)





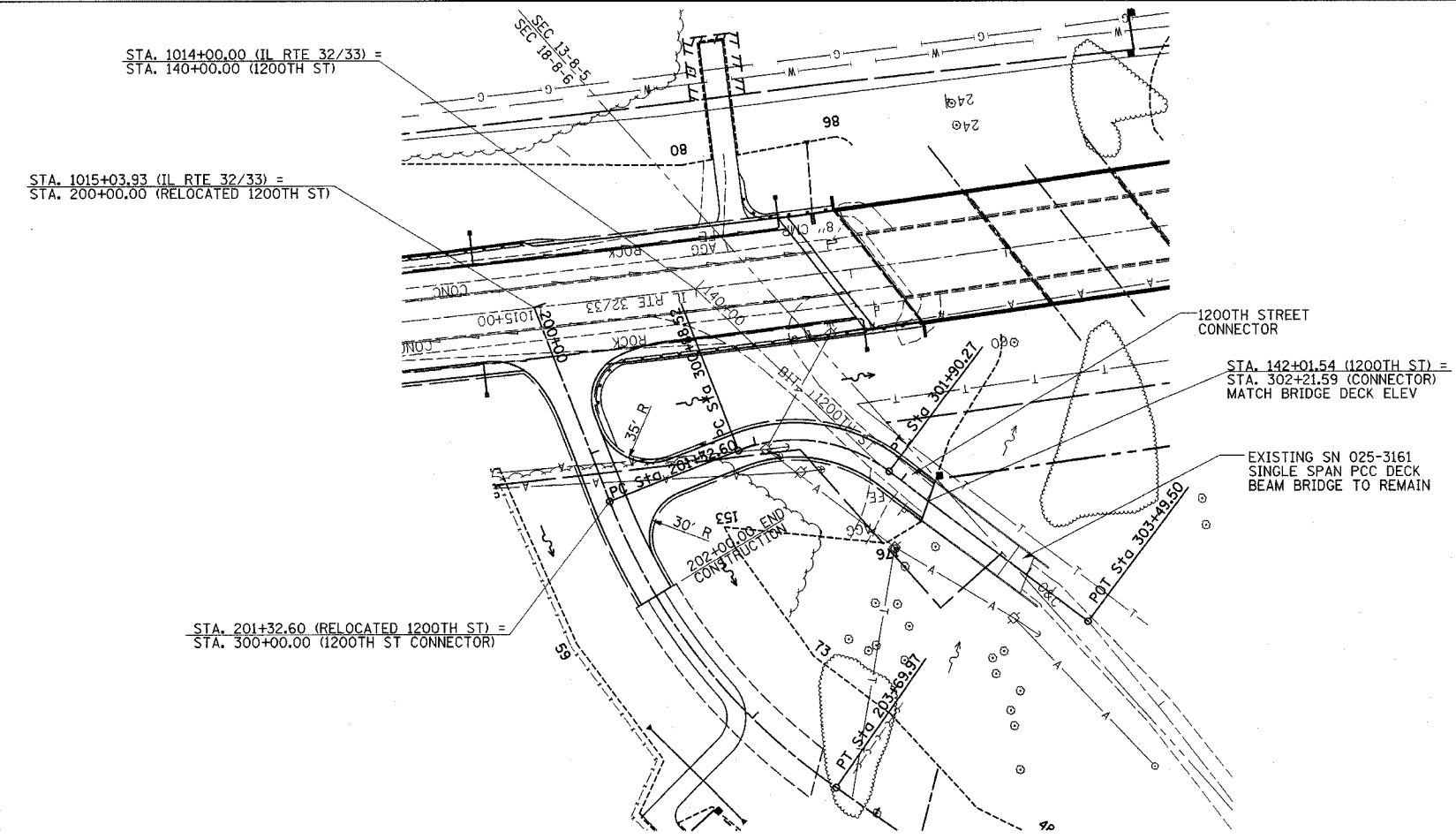


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	72A
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				

NOTE: INDIVIDUAL TREE REMOVALS NOT SHOWN. SEE SCHEDULE



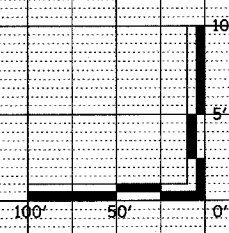
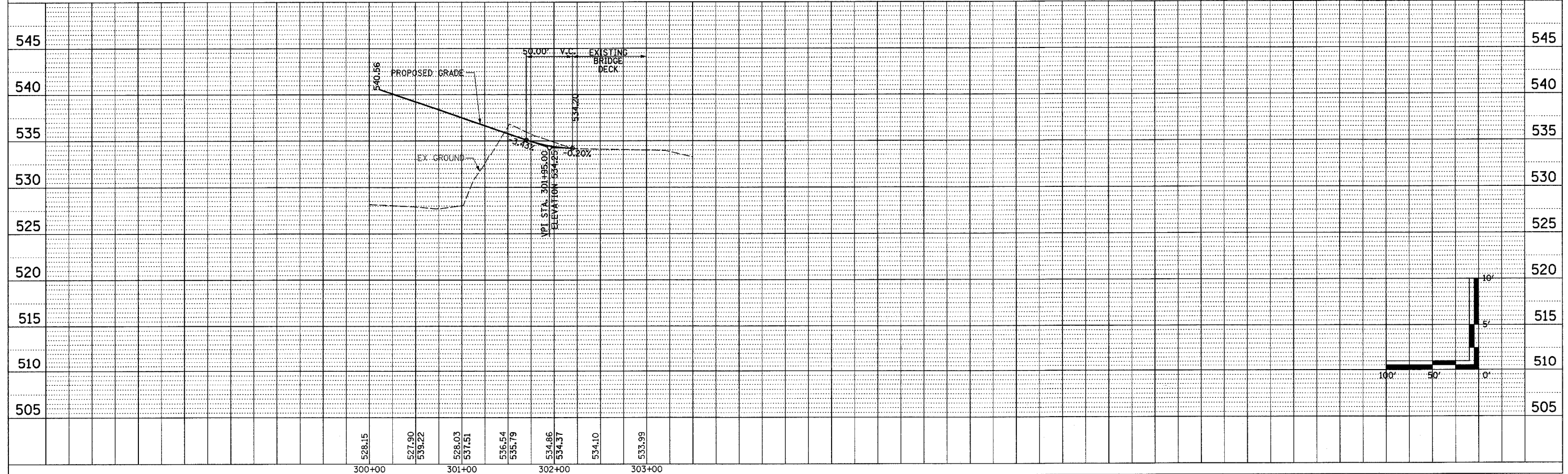
PLAN	DATE
REVISIONS	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
ADD FILE NAME	



PROP. CURVE ALT001  
 PI STA. = 301+44.29  
 $\Delta = 58^\circ 17' 47.2''$  (RT)  
 $D = 57^\circ 17' 44.8''$   
 $R = 100.00'$   
 $T = 55.77'$   
 $L = 101.75'$   
 $E = 14.50'$   
 $e = N/C$   
 P.C. STA. = 300+88.52  
 P.T. STA. = 301+90.27

FOR INTERSECTION GEOMETRICS  
 SEE SHEET 77

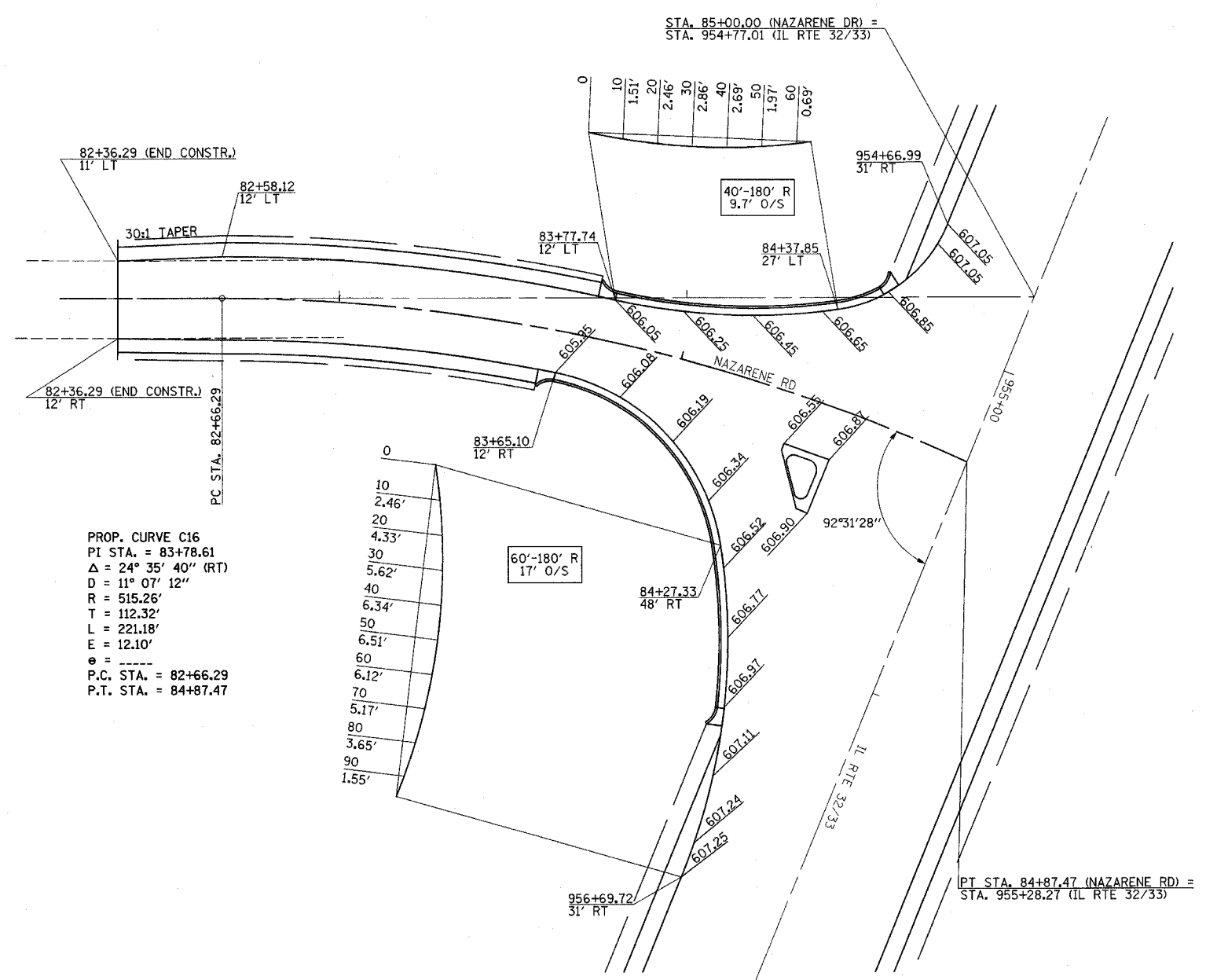
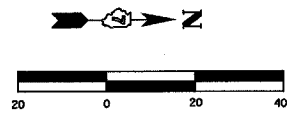
PROFILE	DATE
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.	







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				
<b>CONTRACT NO. 94827</b>				



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

**LEGEND**

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

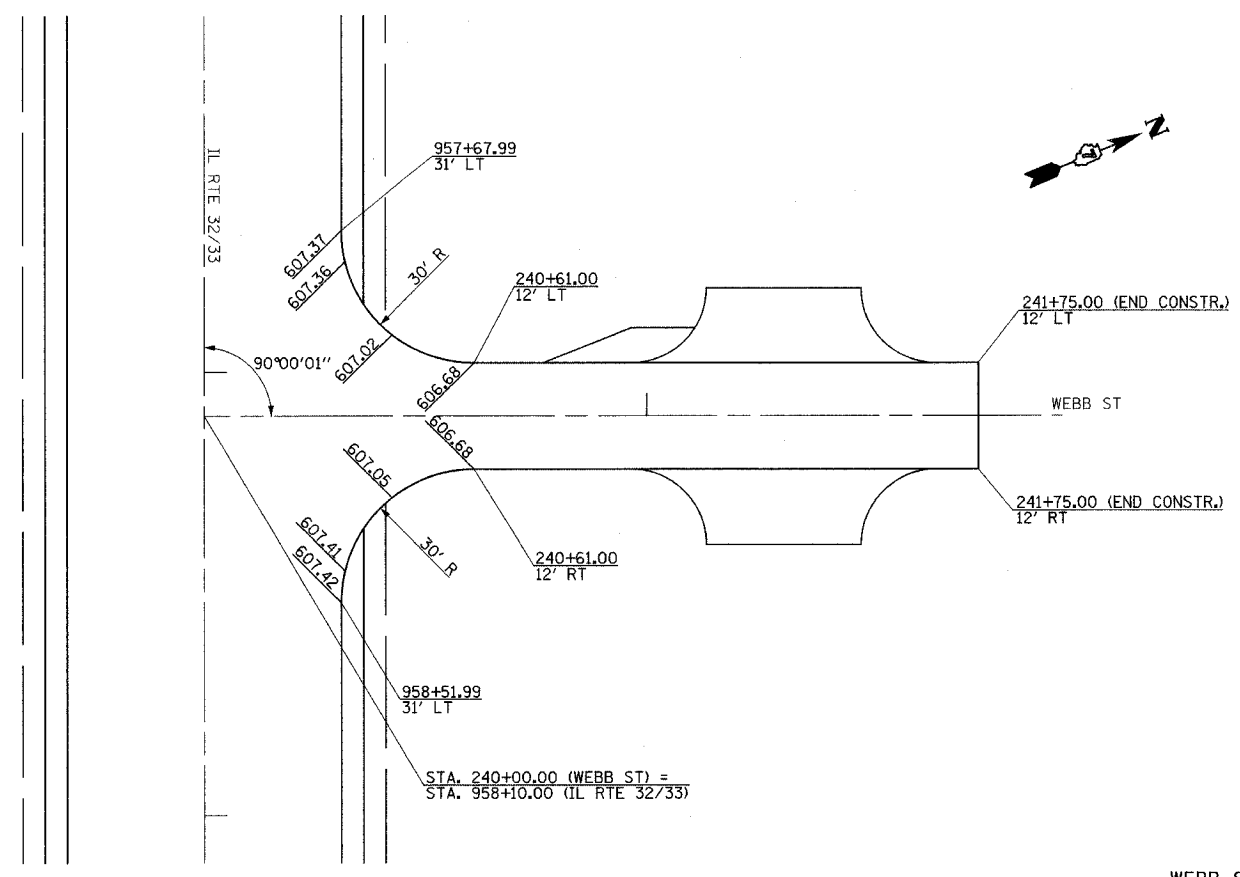
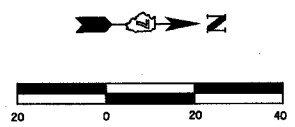
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 1 OF 5

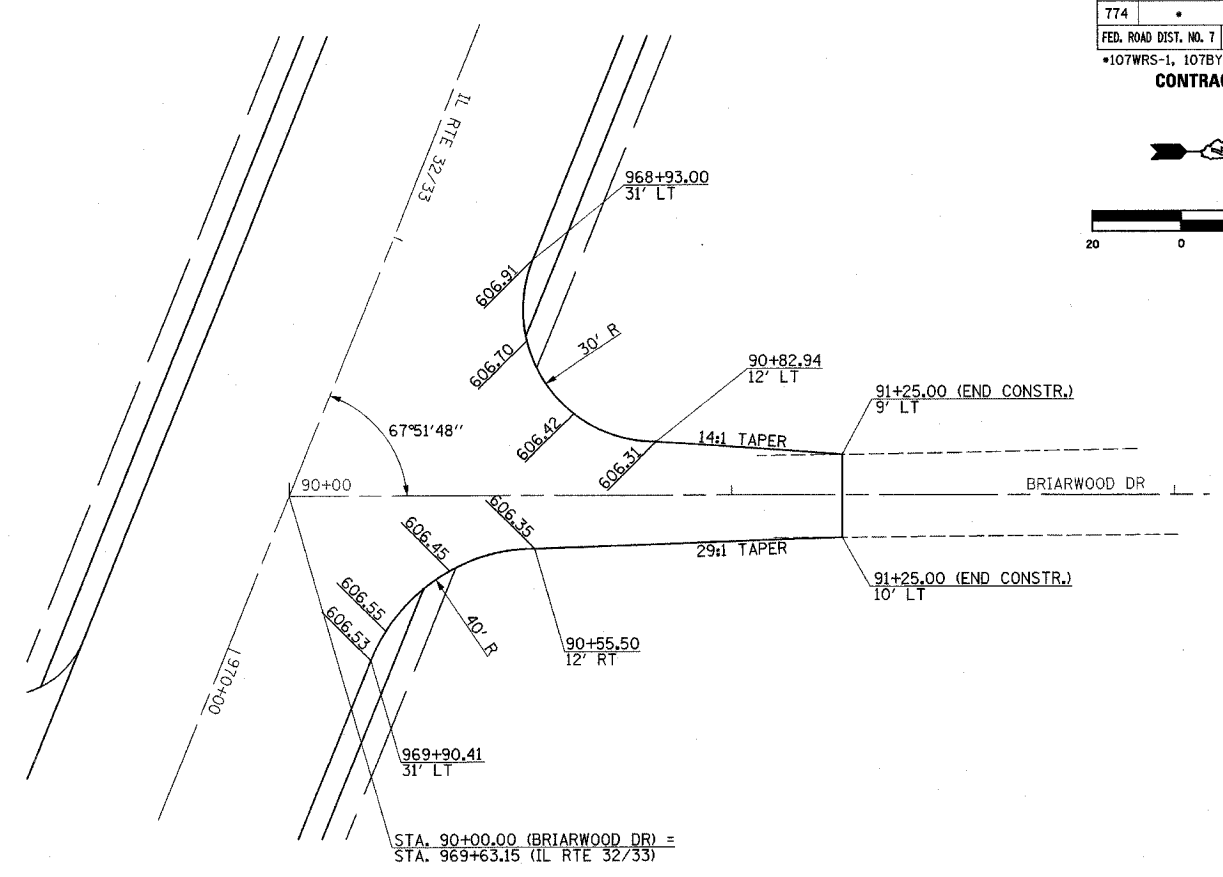
NAZARENE RD

DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

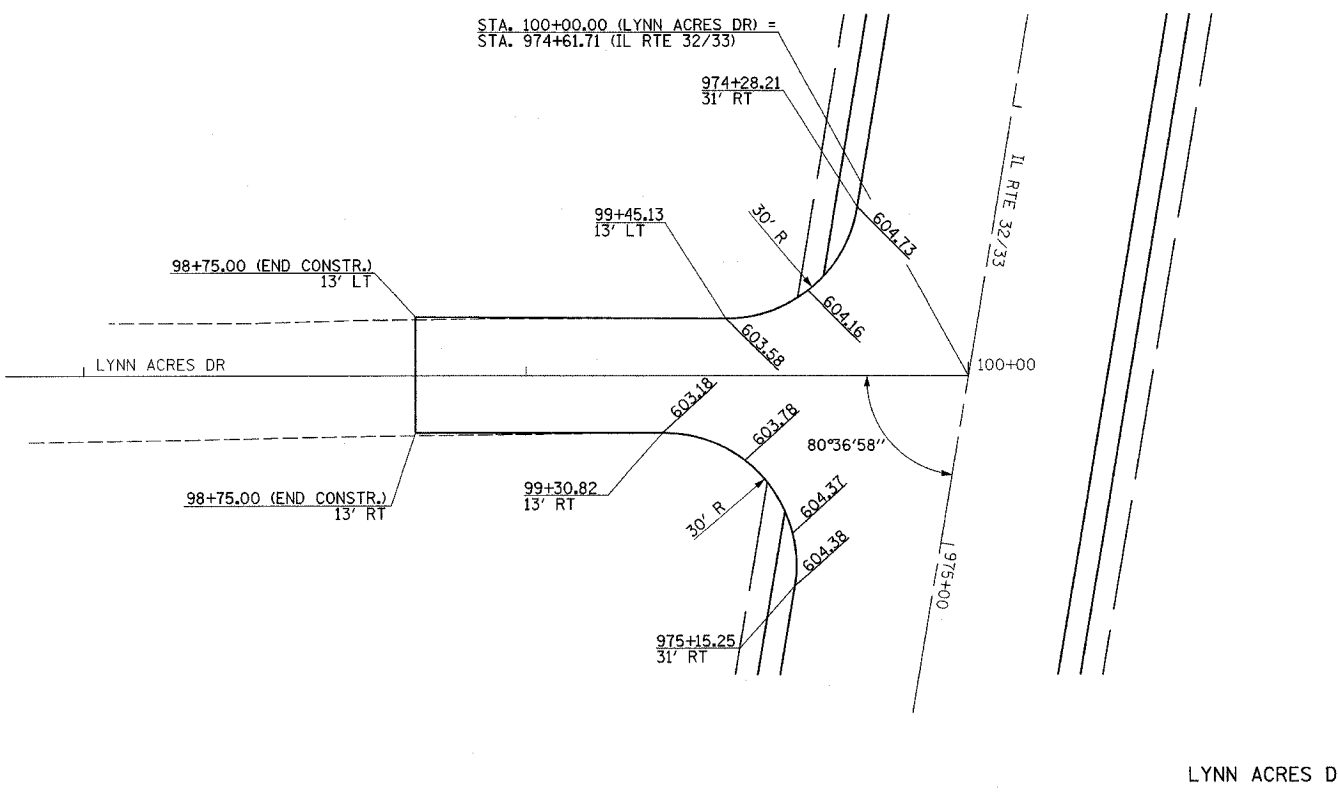
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	76
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



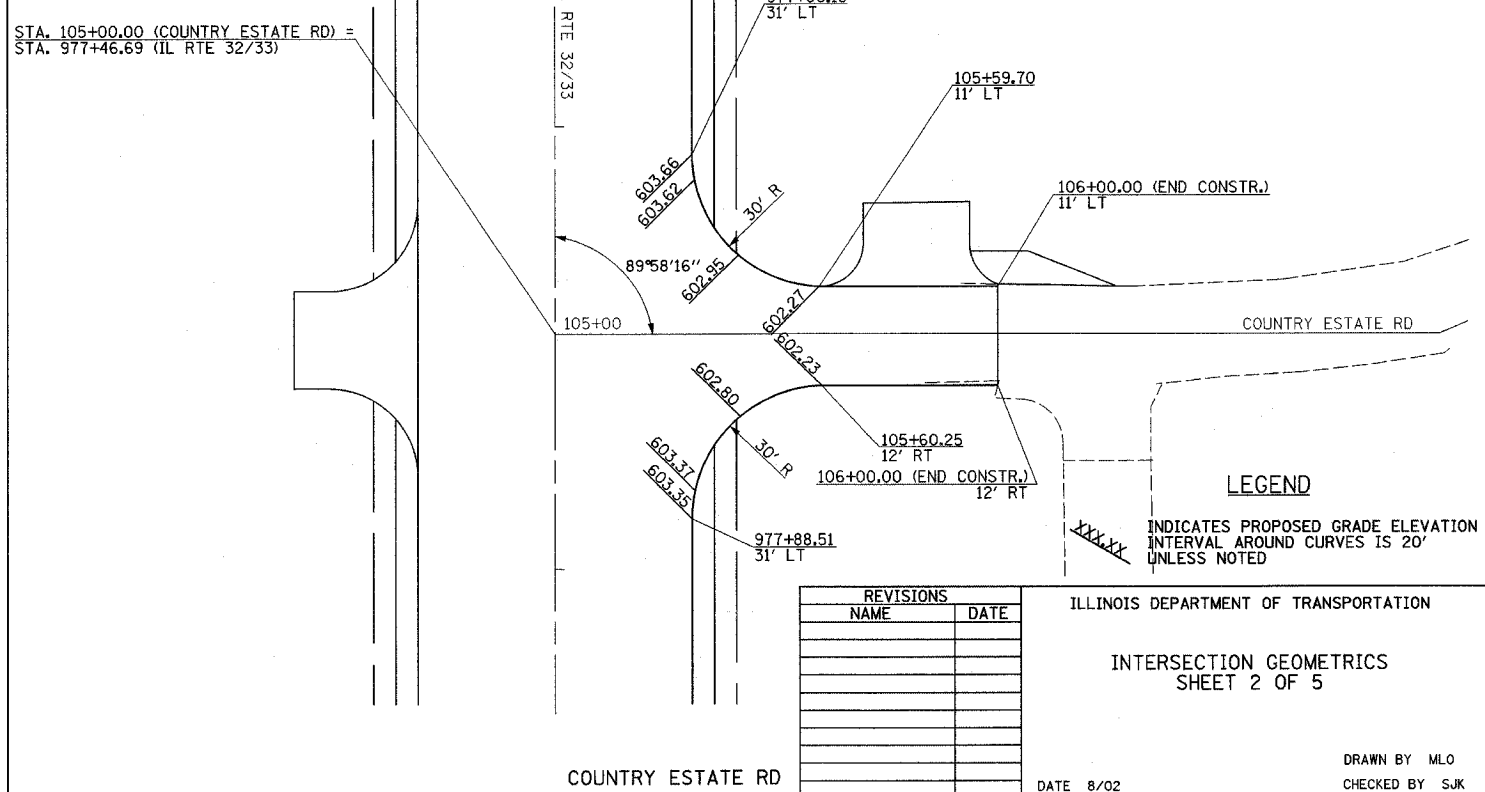
WEBB ST



BRIARWOOD DR



LYNN ACRES DR



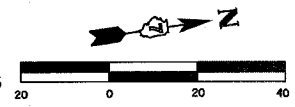
COUNTRY ESTATE RD

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

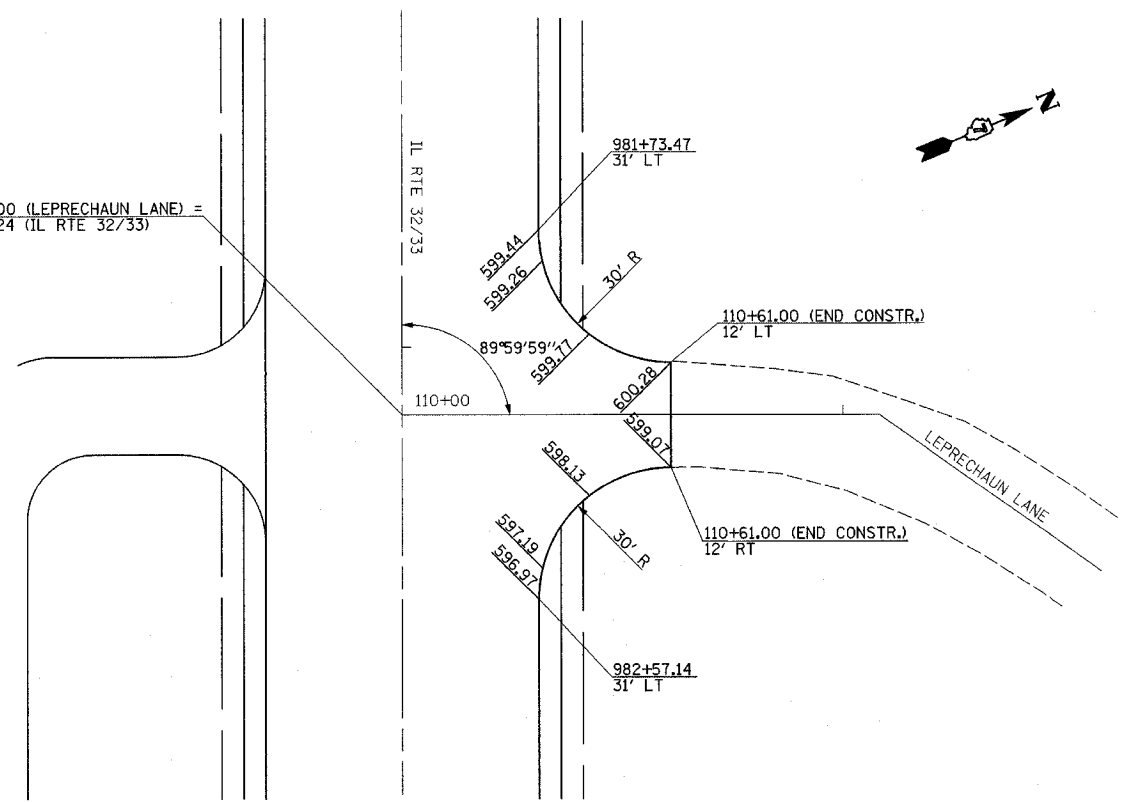
REVISIONS	
NAME	DATE

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				

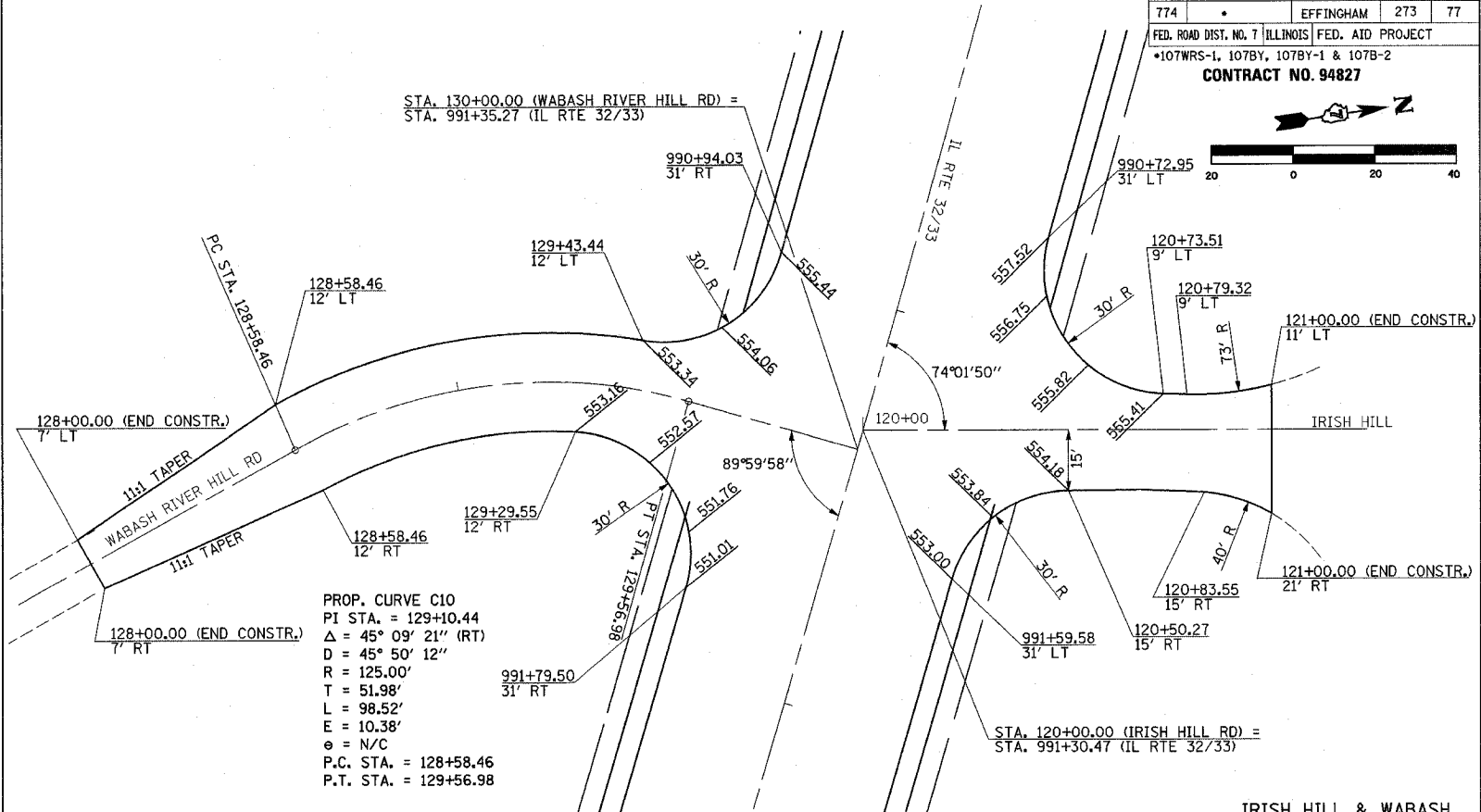


STA. 110+00.00 (LEPRECHAUN LANE) =  
STA. 982+15.24 (IL RTE 32/33)



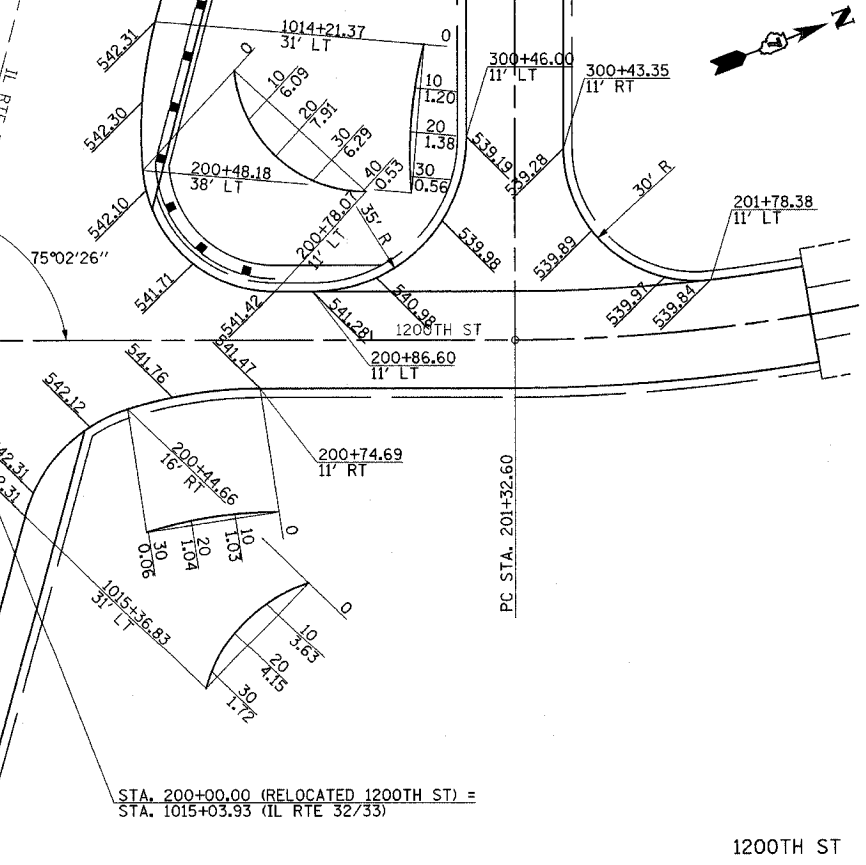
LEPRECHAUN LANE

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



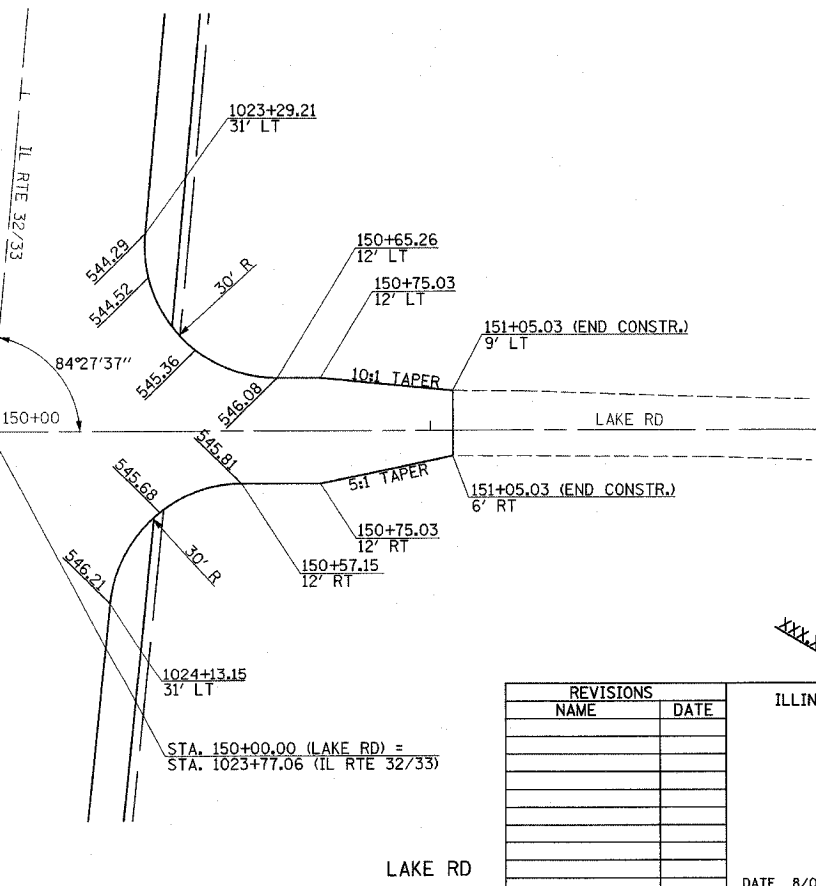
IRISH HILL & WABASH

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



1200TH ST

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



LAKE RD

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

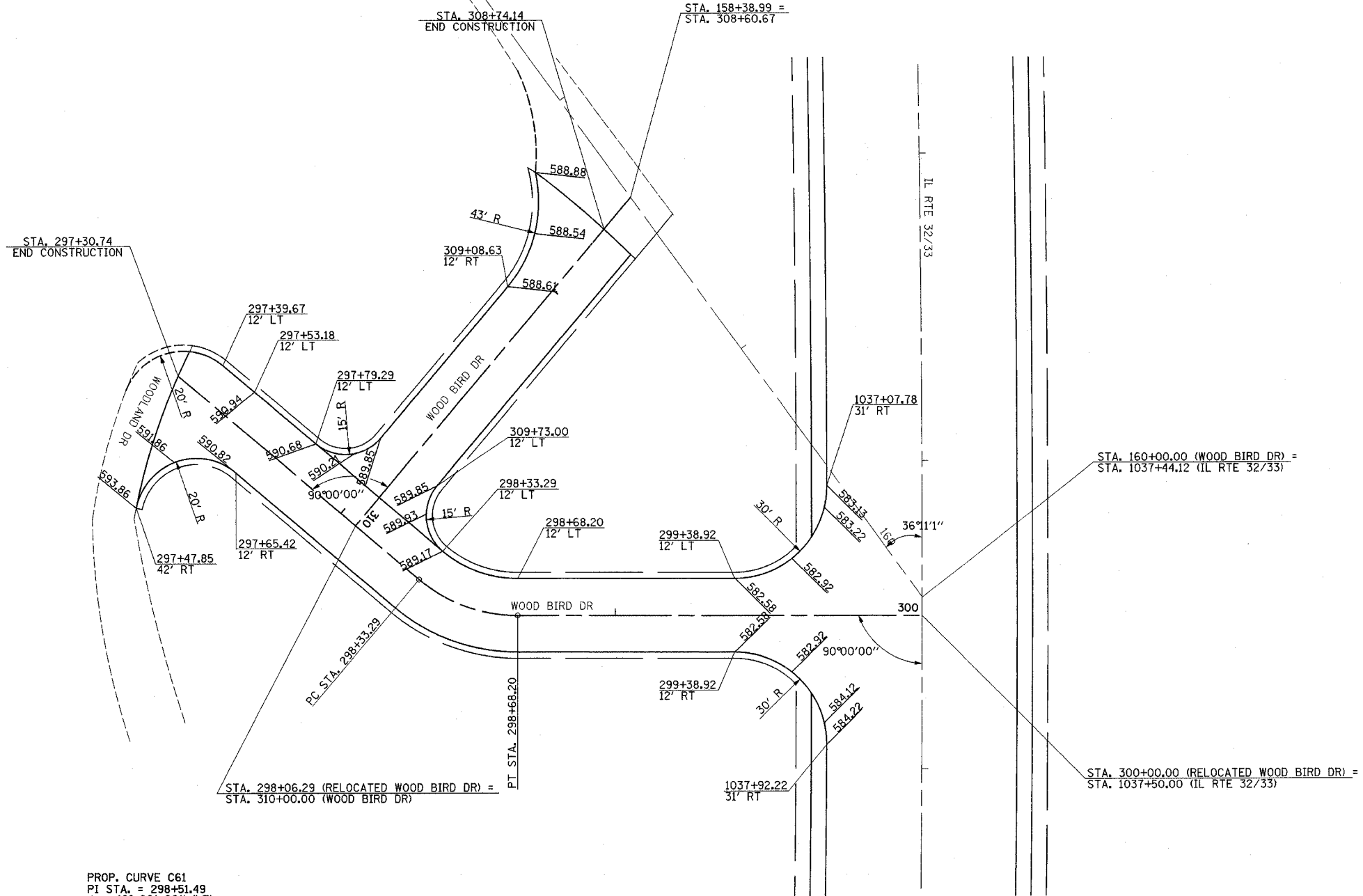
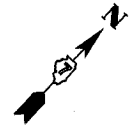
**LEGEND**  
XXX.XX INDICATES PROPOSED GRADE ELEVATION INTERVAL AROUND CURVES IS 20' UNLESS NOTED

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	78
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*107WRS-1, 107BY, 107BY-1 & 107B-2				
<b>CONTRACT NO. 94827</b>				



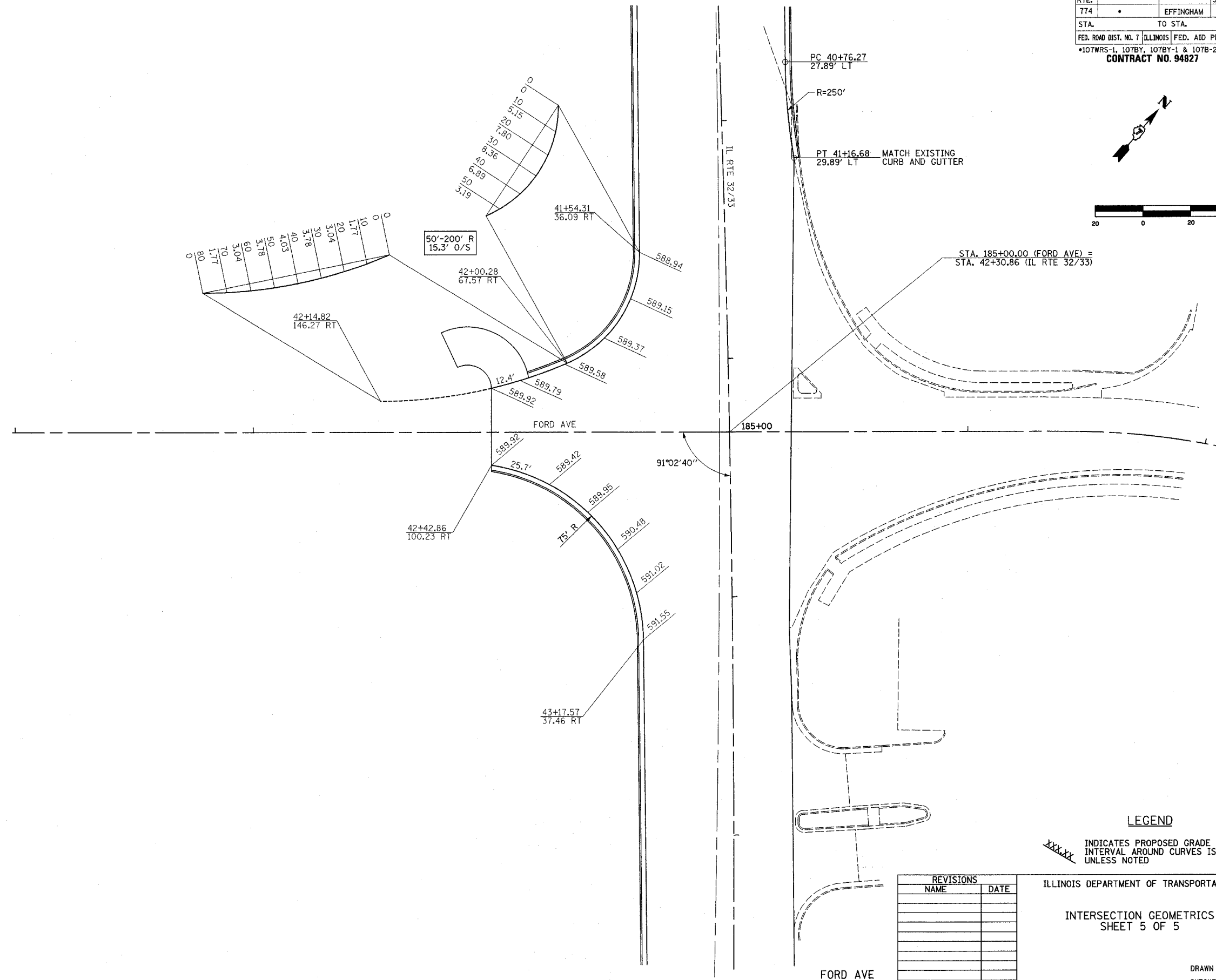
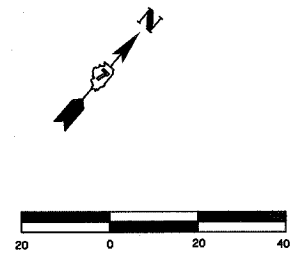
PROP. CURVE C61  
 PI STA. = 298+51.49  
 Δ = 40° 00' 00" (LT)  
 D = 114° 35' 30"  
 R = 50.00'  
 T = 18.20'  
 L = 34.91'  
 e = 3.21'  
 q = N/C  
 P.C. STA. = 298+33.29  
 P.T. STA. = 298+68.20

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERSECTION GEOMETRICS  
 SHEET 4 OF 5  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02

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				
<b>CONTRACT NO. 94827</b>				



**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  
 DRAWN BY MLO  
 CHECKED BY SJK  
 DATE 8/02



LOCATION	TEMPORARY PAVEMENT MARKING						
	LETTERS AND SYMBOLS	YELLOW 4"	WHITE 4"	WHITE 6"	YELLOW 12"	WHITE 12"	WHITE 24"
STATION TO STATION	SO. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.
§ 942+50 TO § 955+69		4988			489		
RT 942+50 TO RT 955+69			2190	92		352	
LT 942+50 TO LT 955+69			2269	92		352	
§ 955+69 TO § 970+00		3699					
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					
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					
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					
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					
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					
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					
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					
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

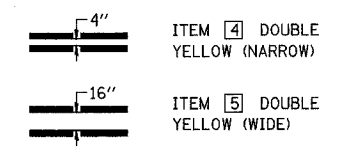
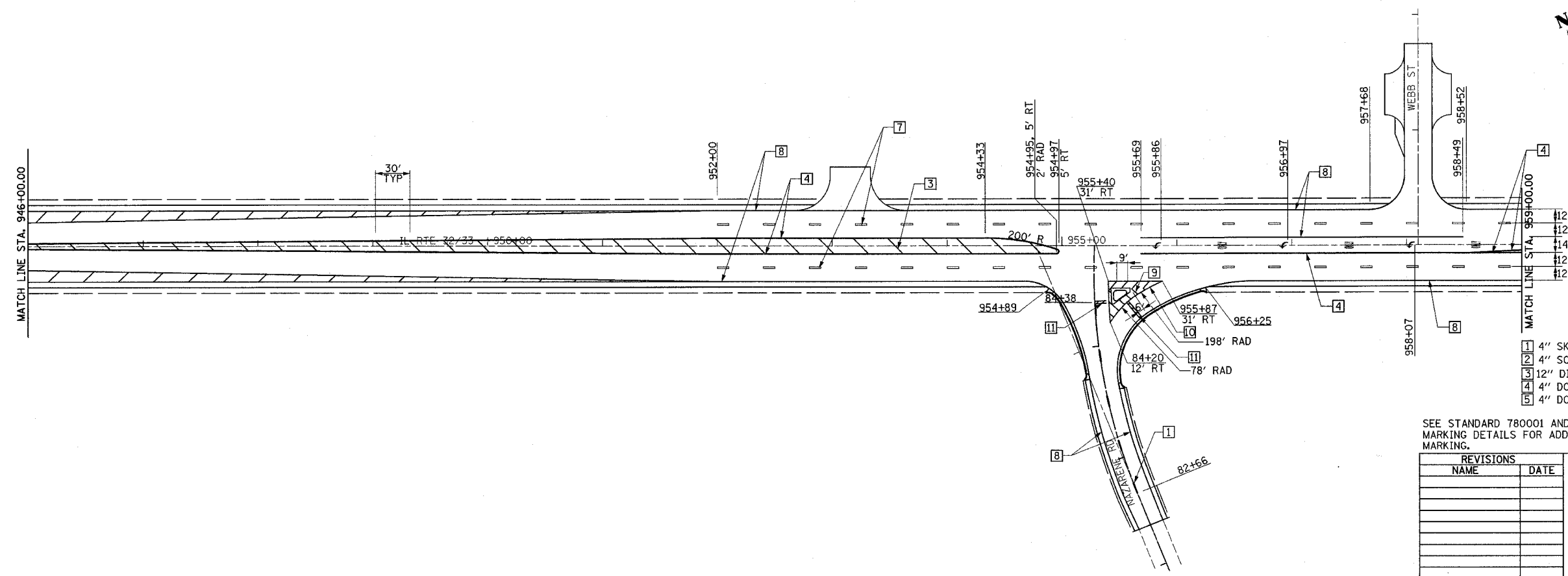
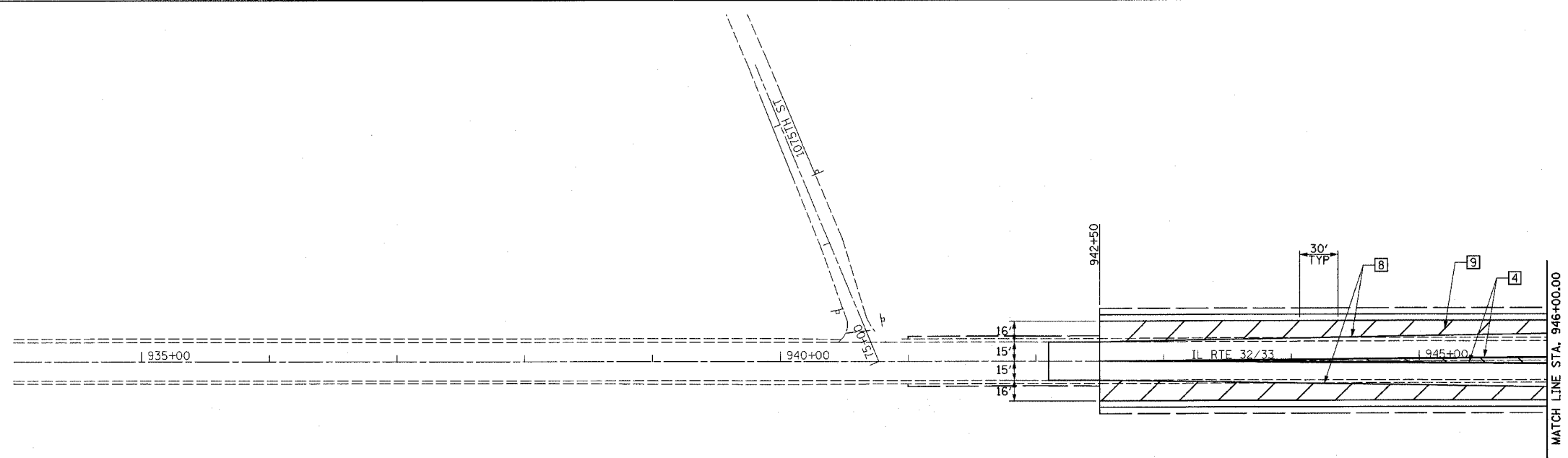
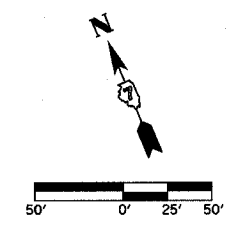
LOCATION	TEMPORARY PAVEMENT MARKING						
	LETTERS AND SYMBOLS	YELLOW 4"	WHITE 4"	WHITE 6"	YELLOW 12"	WHITE 12"	WHITE 24"
STATION TO STATION	SO. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.
§ 1016+00 TO § 1024+19		1851					
RT 1016+00 TO RT 1024+19			771	194			
LT 1016+00 TO LT 1024+19			771	195			
§ 1020+73	31.2 (2WLT)						
§ 1023+19	31.2 (2WLT)						
§ 1024+19 TO § 42+75		4624					42
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
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				198			
LT 185+55							30
URBAN TOTALS	395.2	7,792	4,964	1,446	0	0	152
TOTALS	1,222.0	27,088	21,223	4,631	489	781	182
GRAND TOTALS	1,222.0	48,311	4,631	1,270			182

\*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>				



**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 STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING.

REVISIONS	
NAME	DATE

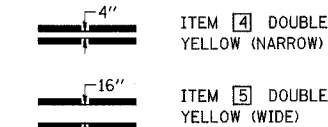
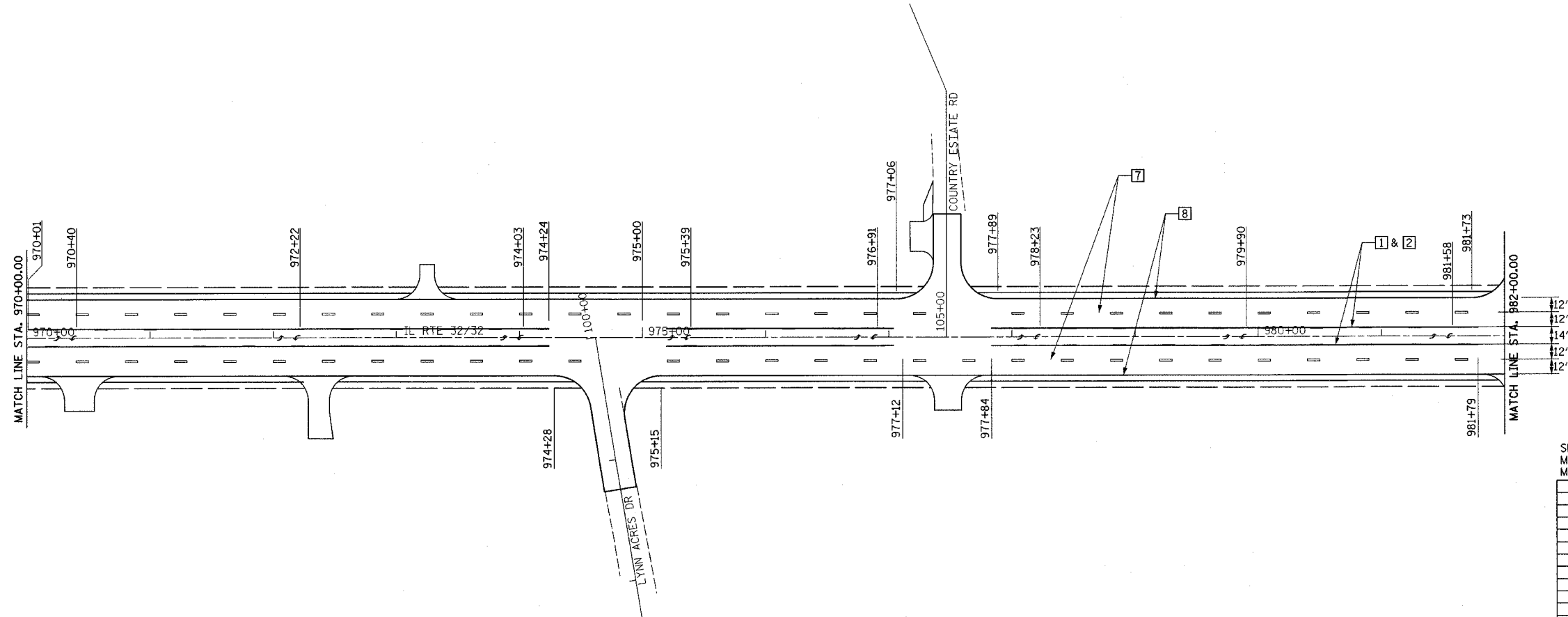
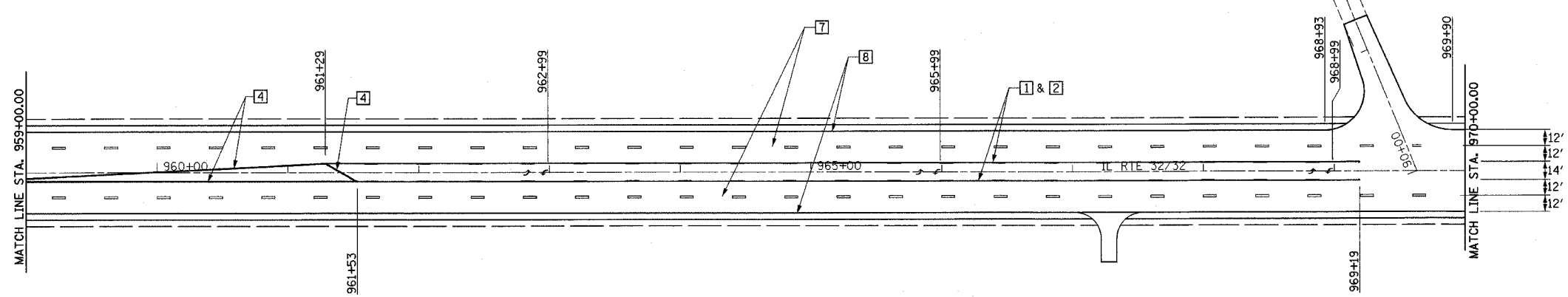
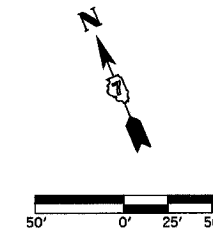
ILLINOIS DEPARTMENT OF TRANSPORTATION

**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				
<b>CONTRACT NO. 94827</b>				



**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 STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING.

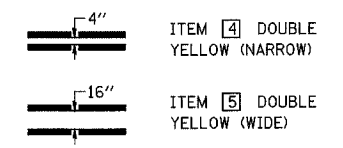
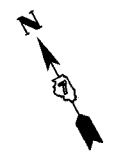
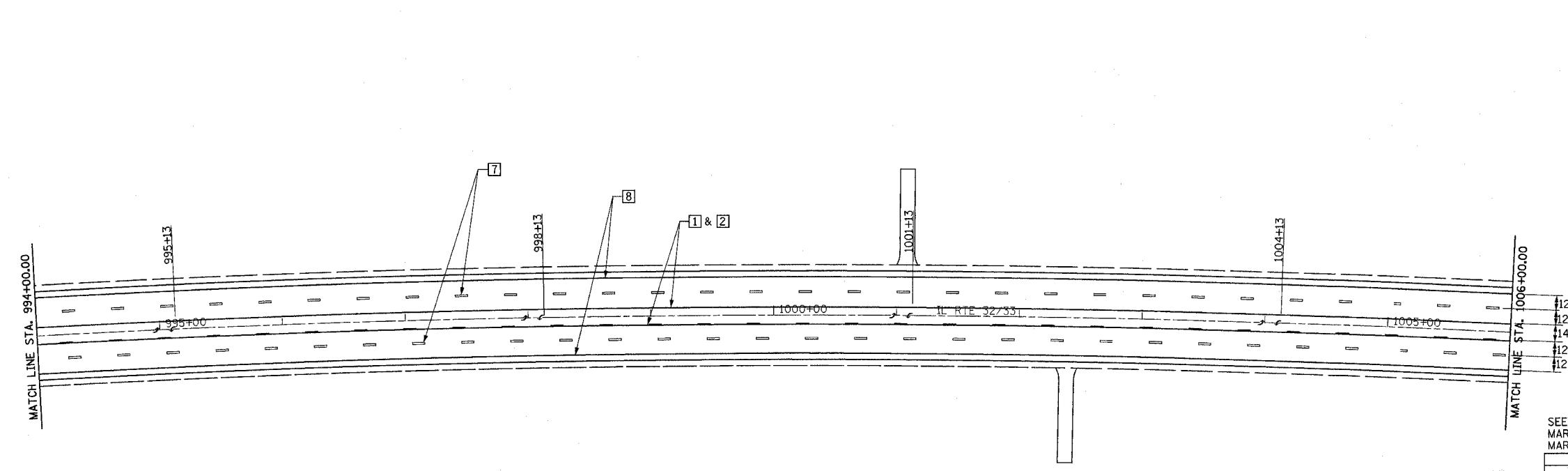
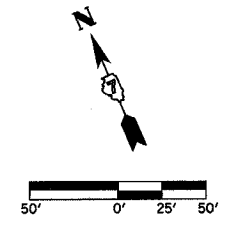
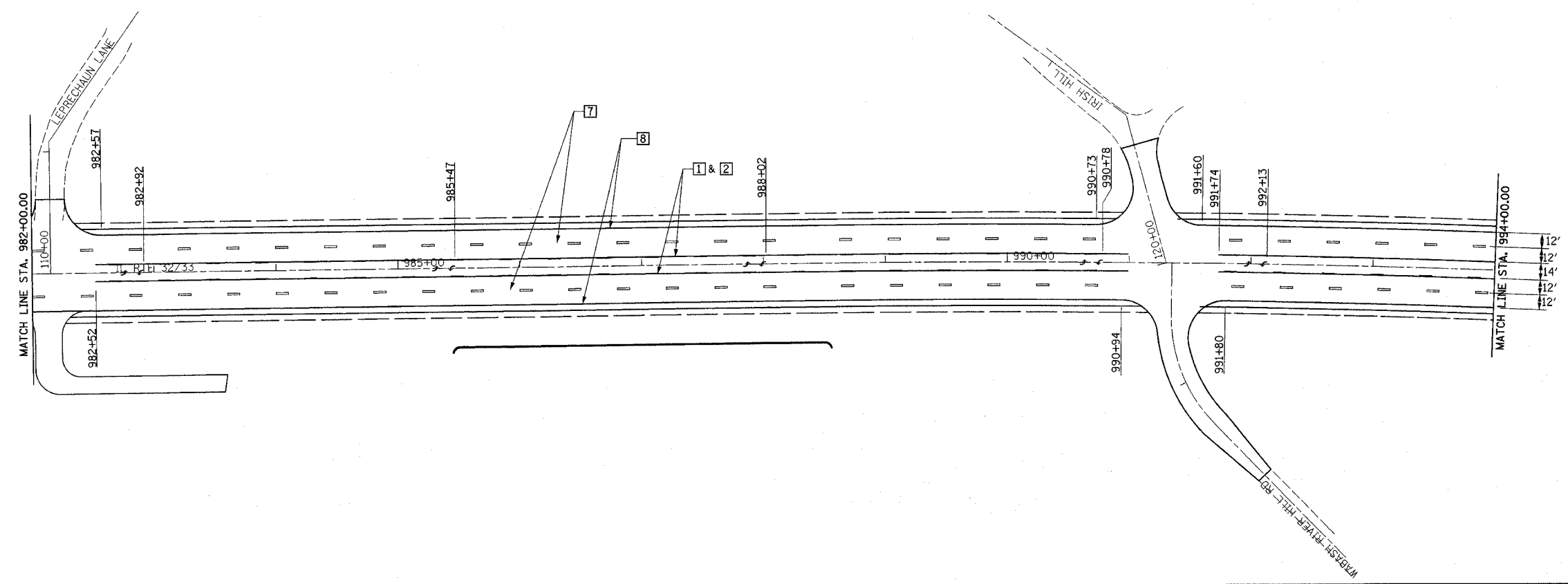
REVISIONS	
NAME	DATE

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		



**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 STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING.

REVISIONS	
NAME	DATE

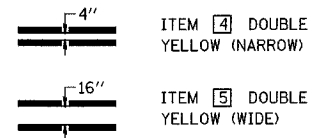
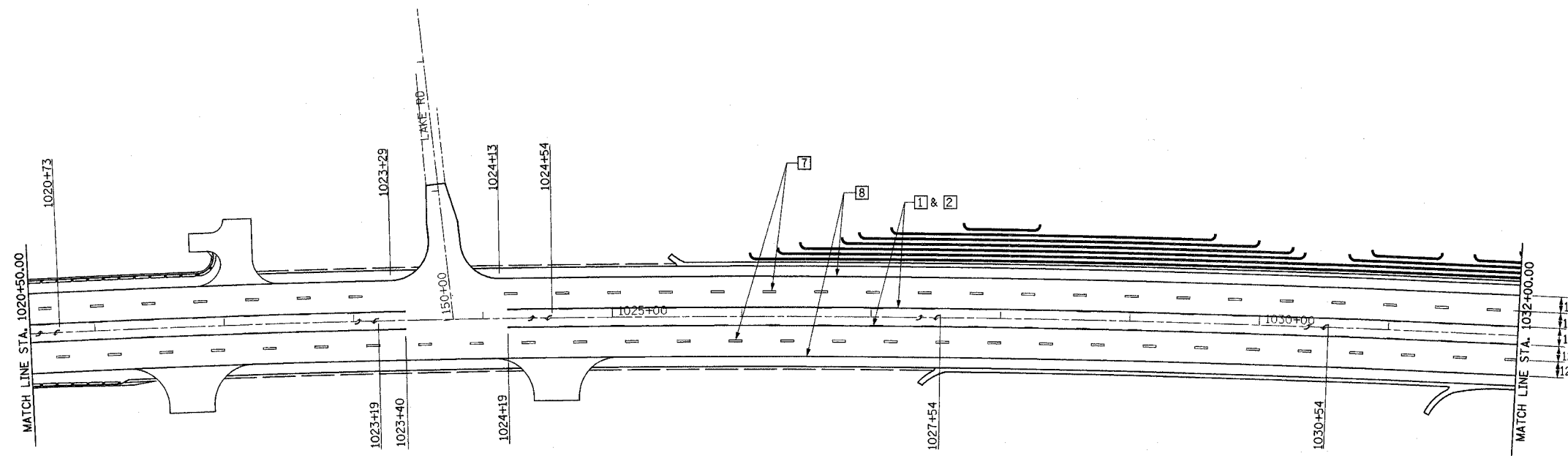
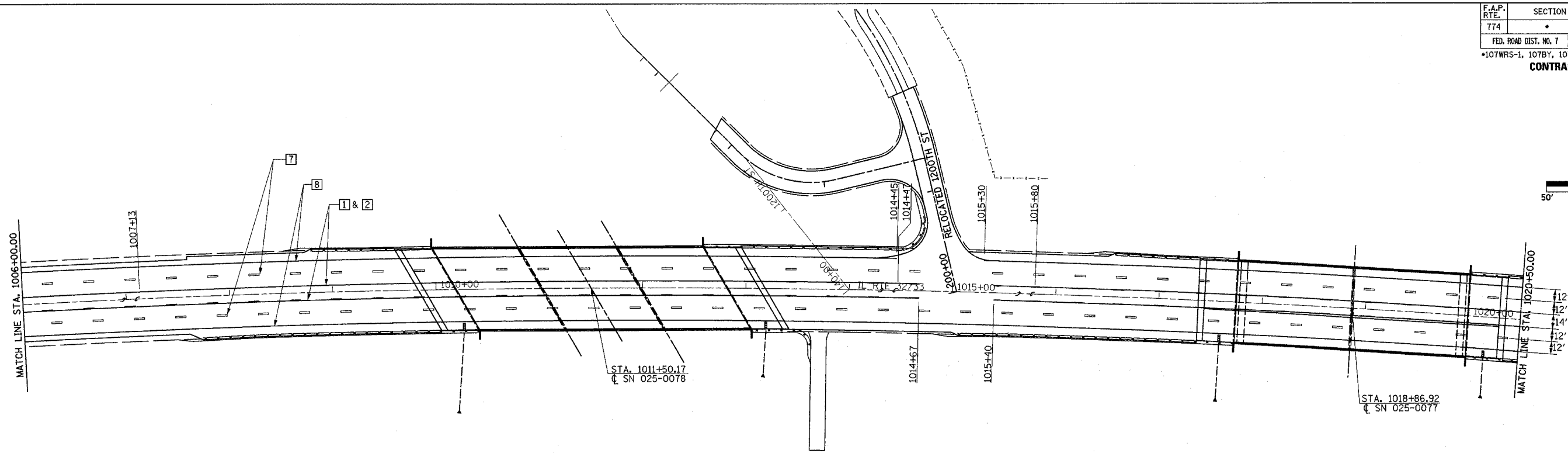
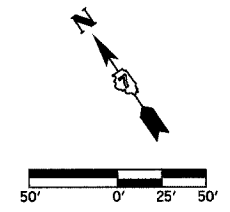
ILLINOIS DEPARTMENT OF TRANSPORTATION

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>				



- 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 STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING.

REVISIONS	
NAME	DATE

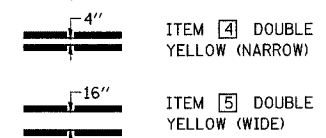
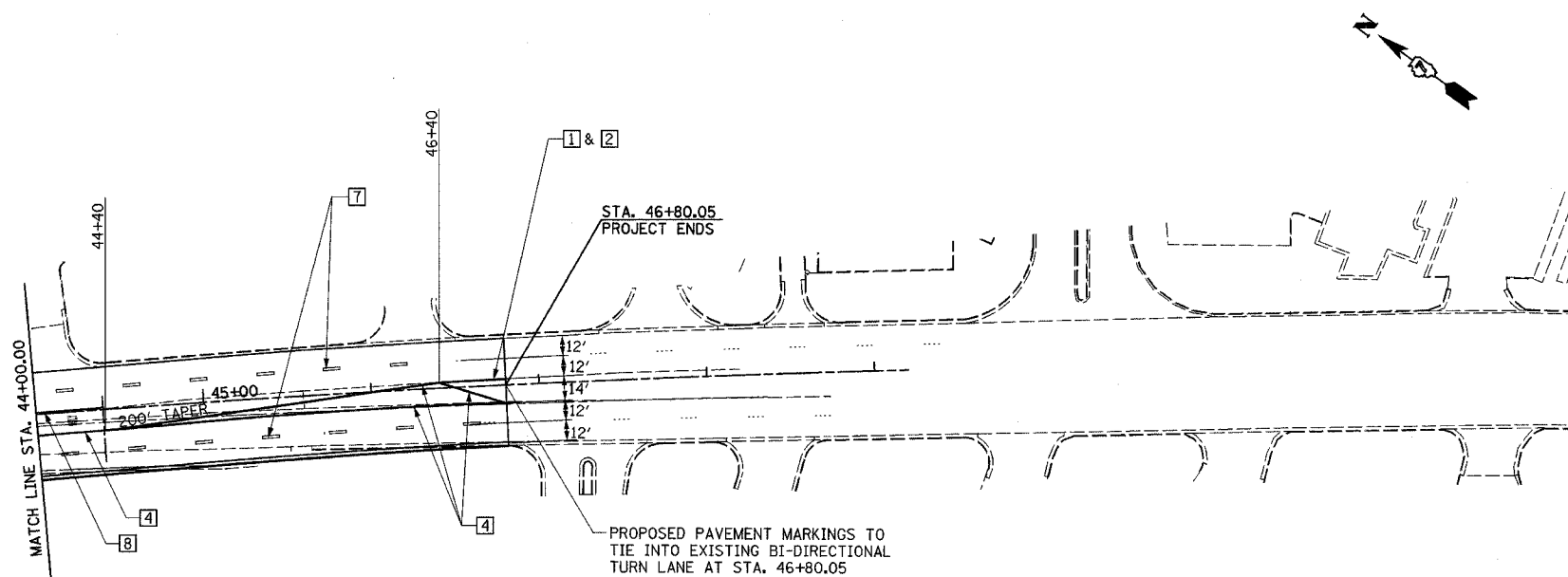
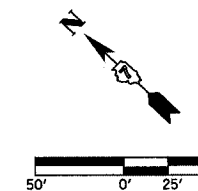
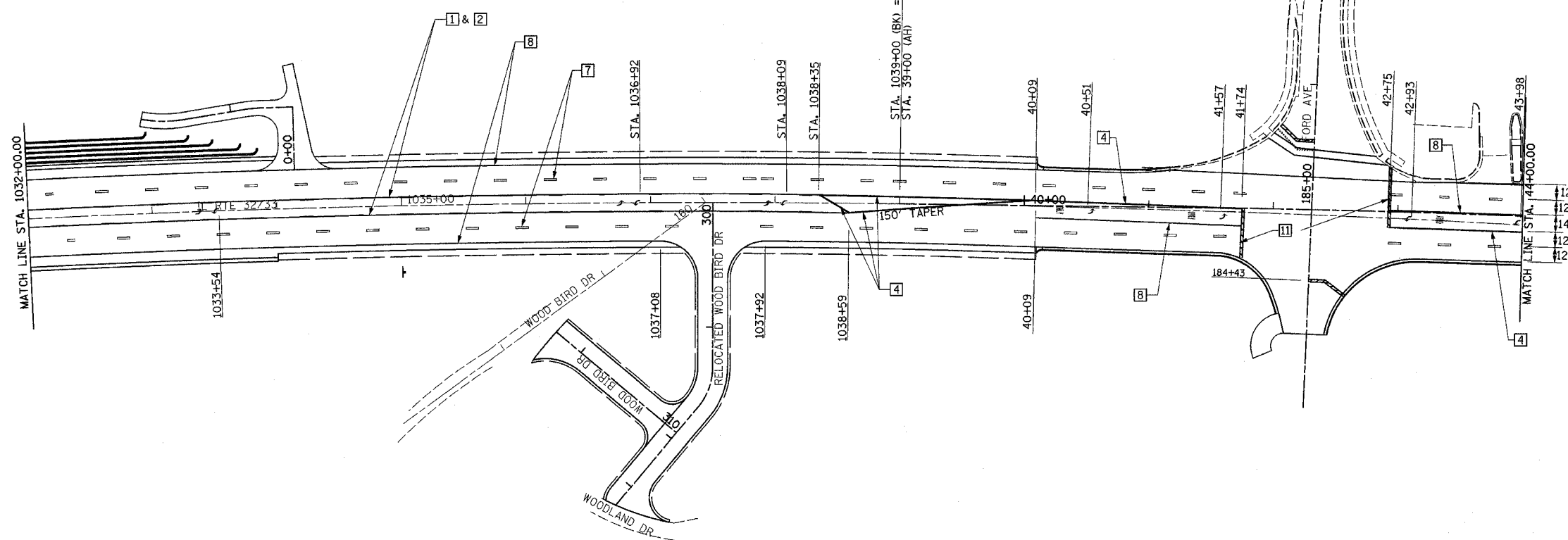
ILLINOIS DEPARTMENT OF TRANSPORTATION

**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				
<b>CONTRACT NO. 94827</b>				



**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 STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS FOR PAVEMENT MARKING.

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.

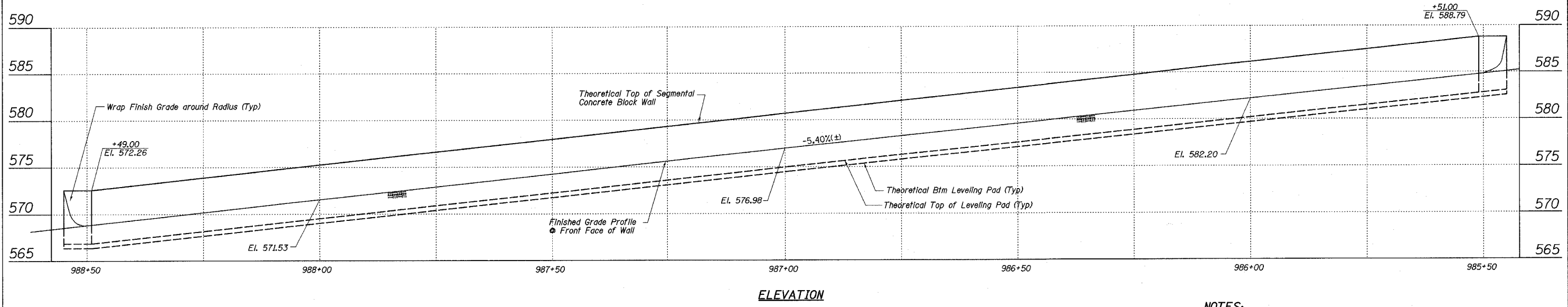
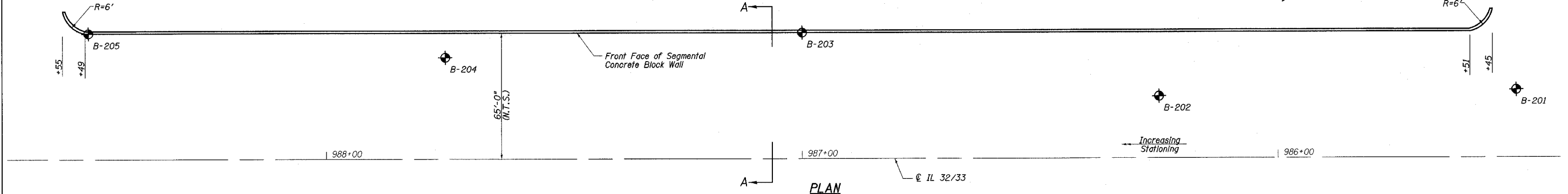
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.P. 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

SHEET NO. 1  
 OF 3 SHEETS

CONTRACT NO. 94827

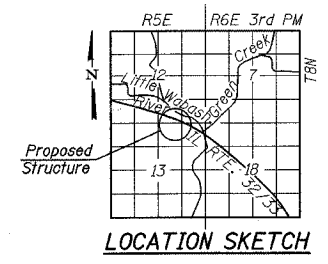


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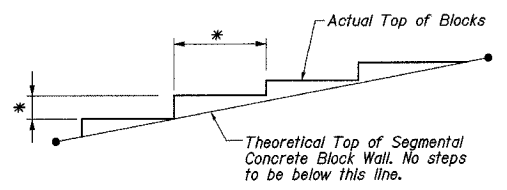
1. Block size, batter, setback and number of courses per Wall Supplier Design. See Special Provisions for additional requirements.
2. Ground Line behind Wall to match Top of Segmental Concrete Block Wall Elevation.
3. See Sheets 2 & 3 of 3 for Soil Borings.
4. See Roadway Cross Sections, Sheets 131 &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

TOTAL BILL OF MATERIAL

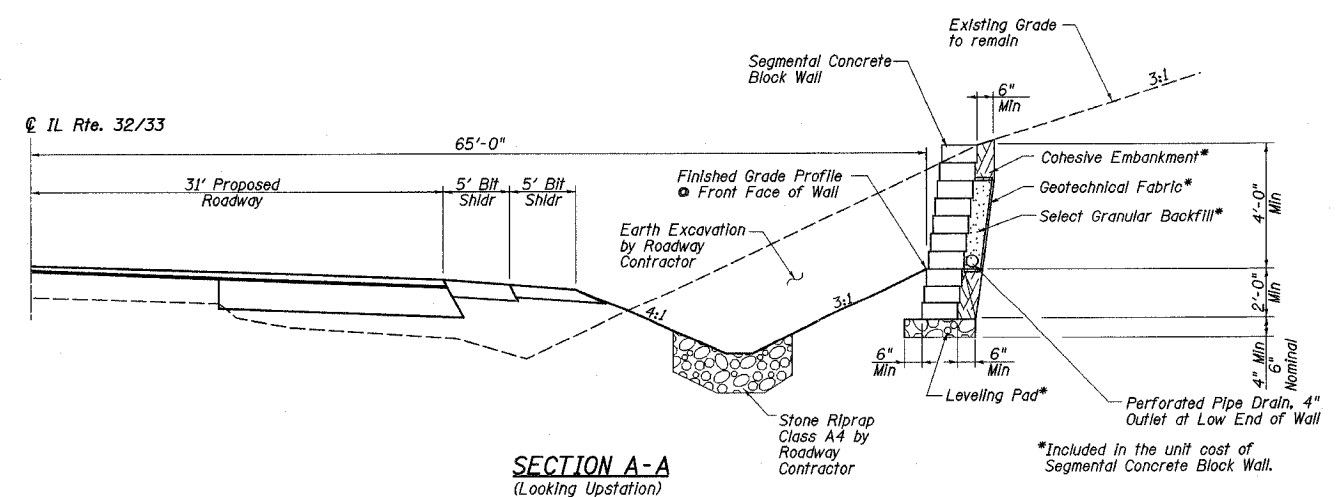
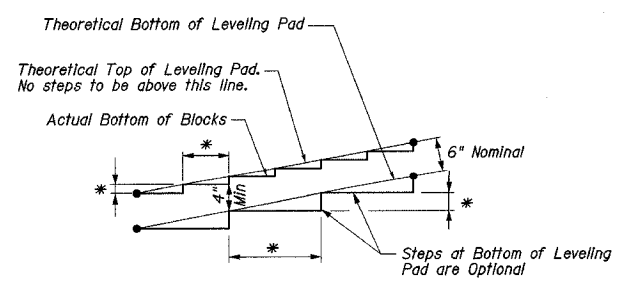
ITEM	UNIT	QUANTITY
SEGMENTAL CONCRETE BLOCK WALL	50 FT	1901
PIPE DRAINS, 4"	FOOT	320



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.



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



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	BL	LO	TSF	W	Surface Water Elev.	Groundwater Elev.	DEPTH	BL	LO	TSF	W
B-201	985+50	33.00Rt	581.85												
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															
				50/5-1/2"											
				20				10							
				50/5"											
				11											
			570.85	30											
Very dense brown SAND, saturated															
				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											
			559.35	20				11							
Very dense gray SILTY LOAM/LOAM, moist															
				50/6"				9							
				556.85											

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 7/18/02

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	BL	LO	TSF	W	Surface Water Elev.	Groundwater Elev.	DEPTH	BL	LO	TSF	W
B-202	986+25	32.00Rt	578.68												
Very dense brown SILTY LOAM/LOAM, damp															
				19				6							
				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											
			565.18	13	B			22							
Very tough gray SILTY CLAY, moist															
				18	3.1										
				23											
			563.18	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											
			555.18	56/2"											
Very dense gray weathered SANDSTONE, dry															
				563.68											

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	Surface Elev.	DEPTH	BL	LO	TSF	W	Surface Water Elev.	Groundwater Elev.	DEPTH	BL	LO	TSF	W
B-203	987+00	65.00Rt	578.36												
Hard brown SILTY CLAY LOAM, moist															
				13	P			8							
				17	4.5+										
				16											
			572.86	25											
Very dense brown SANDY LOAM, moist to wet															
				50/5"											
				13											
				50/3"											
				32											
				50/4"											
				17											
			565.86	50/5-1/2"											
Very dense brown SAND, saturated															
				6	B			12							
				15	9.5										
				23											
			562.86	10	S			13							
Hard gray SILTY CLAY LOAM, moist															
				14	7.2										
				20											
				13	B			13							
				17	10.8										
				22											
			556.36	14				11							
Dense to very dense gray/brown SILTY LOAM, moist															
				21											
				23											
				14				13							
				50/5-1/2"											
			561.36												

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

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	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.	D	B	Qu	W	Surface Water Elev.	D	B	Qu	W
Station	E	L			Groundwater Elev.:	E	L		
Offset	P	O			when drilling	P	O		
	T	W	tsf	%	at Completion	T	W	tsf	%
Surface Elev.	H	S			after	H	S		
B-204									
987+75					556.9				
53.00ft Rt					555.4				
572.36 ft									
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							
556.36									
Dense to very dense gray/brown SILTY LOAM, moist									
		14		14					
		21							
		20							
		24		11					
		39							
		20	50/2"						
551.86									
Very dense gray SILTY LOAM, moist									
			50/6"	13					
549.86									
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.	D	B	Qu	W	Surface Water Elev.	D	B	Qu	W
Station	E	L			Groundwater Elev.:	E	L		
Offset	P	O			when drilling	P	O		
	T	W	tsf	%	at Completion	T	W	tsf	%
Surface Elev.	H	S			after	H	S		
B-205									
988+50					562.4				
65.00ft Rt					560.9				
570.90 ft									
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									
		18							
		24							
		50							
		19							
		28							
		50/4"							
		29							
		50/6"							
552.40									
Very dense gray/brown SILTY LOAM, moist									
			50/6"	11					
550.40									
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				
CONTRACT NO. 94827				

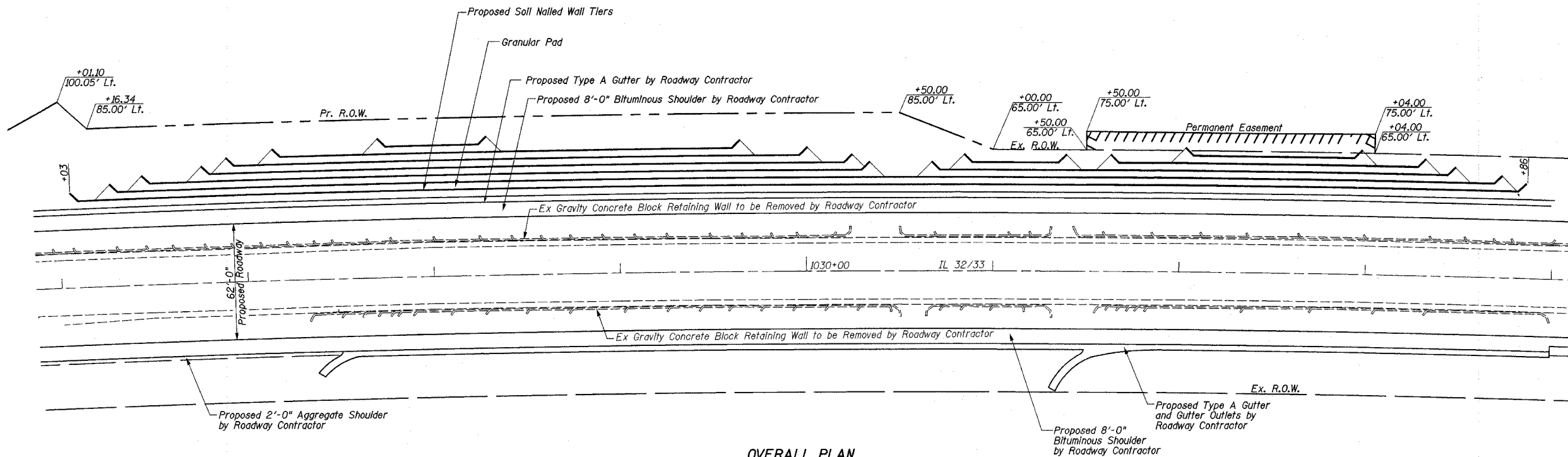
SHEET NO. 1  
OF 14 SHEETS

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
EARTH EXCAVATION (SPECIAL)	CU YD	13,527
SOIL NAILED WALL	SQ FT	14,690
PIPE UNDERDRAINS, FABRIC LINED TRENCH, 6"	FOOT	823
GEO COMPOSITE WALL DRAIN	SQ YD	490

HORIZ. CURVE DATA

P.I. = Sta. 1014+09.68  
 $\Delta = 25^{\circ}19'45''$  (RT)  
 $D = 0^{\circ}30'00''$   
 $R = 11,456.75'$   
 $L = 5,064.76'$   
 $T = 2,574.44'$   
 $E = 285.69'$   
 $S.E. = 1.56\%$   
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

SEQUENCE OF CONSTRUCTION:

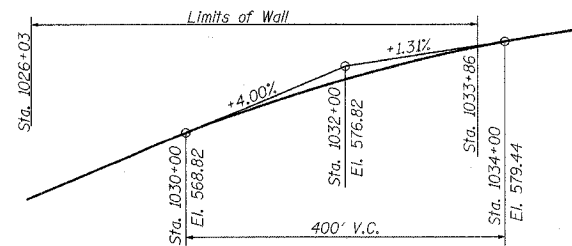
1. Excavate temporary 2:1 maximum backslope above and beyond top of upper most soil nailed wall tier.
2. Excavate at wall face to below (next) soil nail elevation or as indicated in the soil nailed wall shop drawings.
3. Drill and grout soil nails.
4. Place geocomposite wall drain weepholes, reinforcement 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.
8. Install Pipe Underdrain and Outlet at the low end of wall.
9. Backfill trench to grade shown with Cohesive Soil
10. Place 6" Granular Pad on each Tier.

DESIGN SPECIFICATIONS

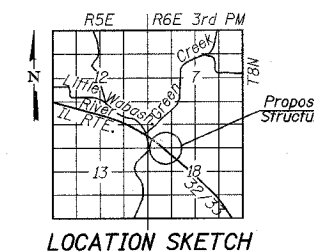
2002 AASHTO Standard Specification  
For Highway Bridges

GENERAL NOTES:

1. Wall layout based on cross-sections printed in plans and best available data. See Sheets 7-14 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
4. See Special Provisions for additional requirements.



IL 32/33 PROPOSED PROFILE GRADE



LOCATION SKETCH



*Sheila Kimlinger* 5/1/05  
Sheila J. Kimlinger, P.E., S.E. Date  
Structural Engineer License No. 081-005283  
Expiration Date: 11/30/2006

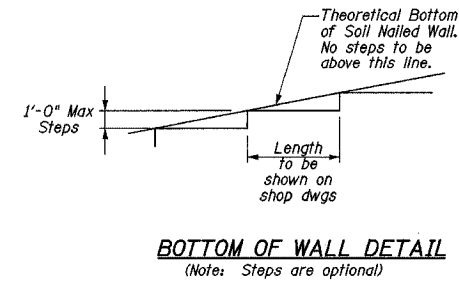
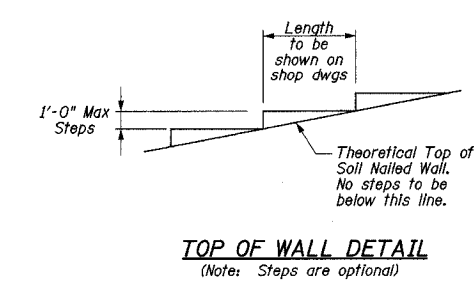
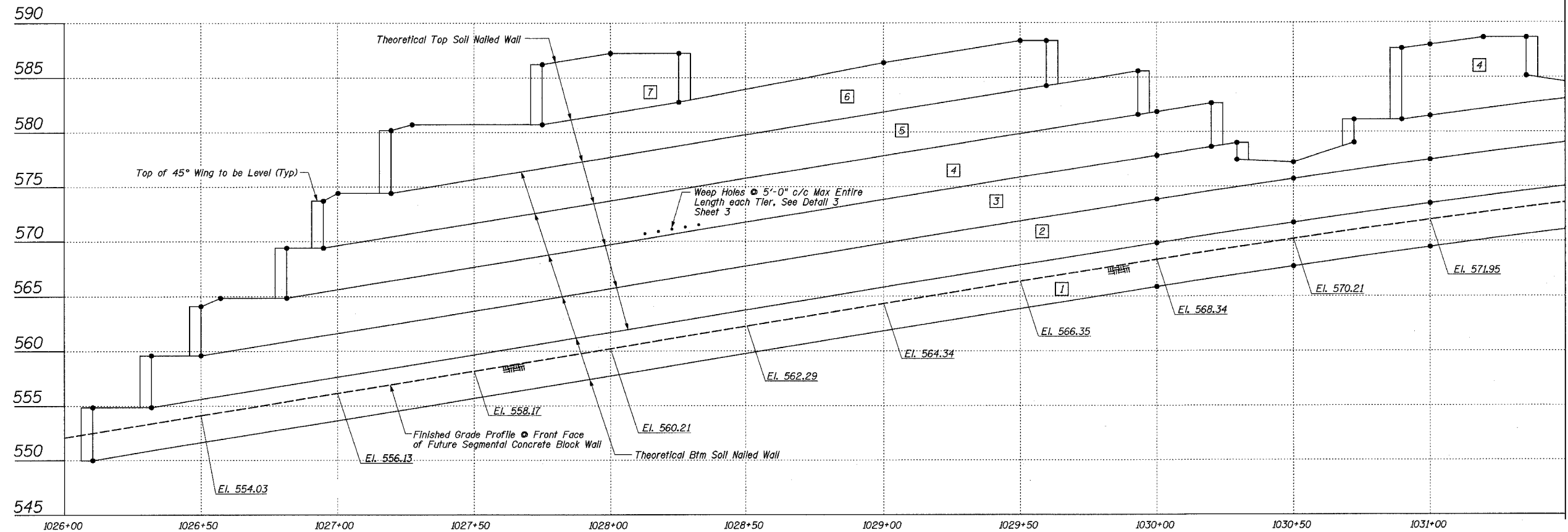
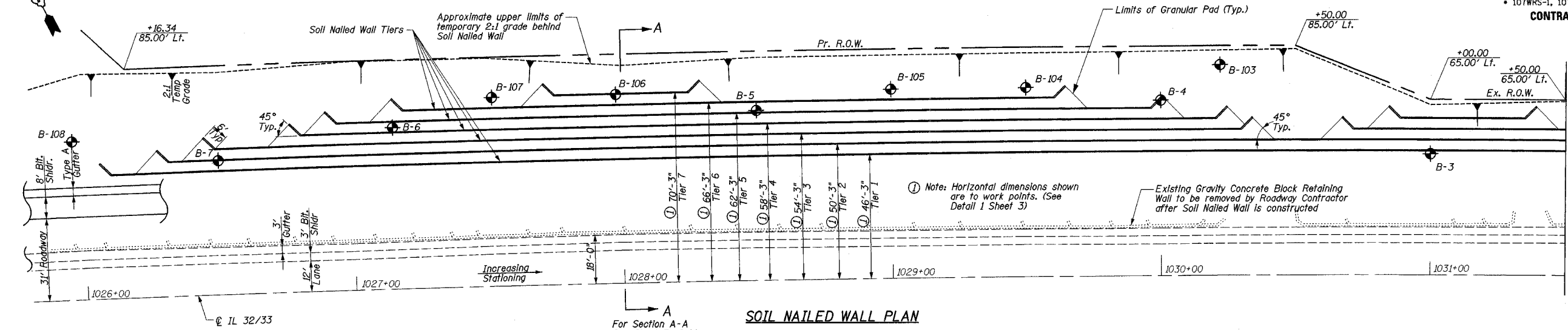
GENERAL PLAN  
ILLINOIS ROUTE 32/33  
F.A.P. ROUTE 774  
SECTION 107 WRS-1, 107BY,  
107BY-1 & 107B-2  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008

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



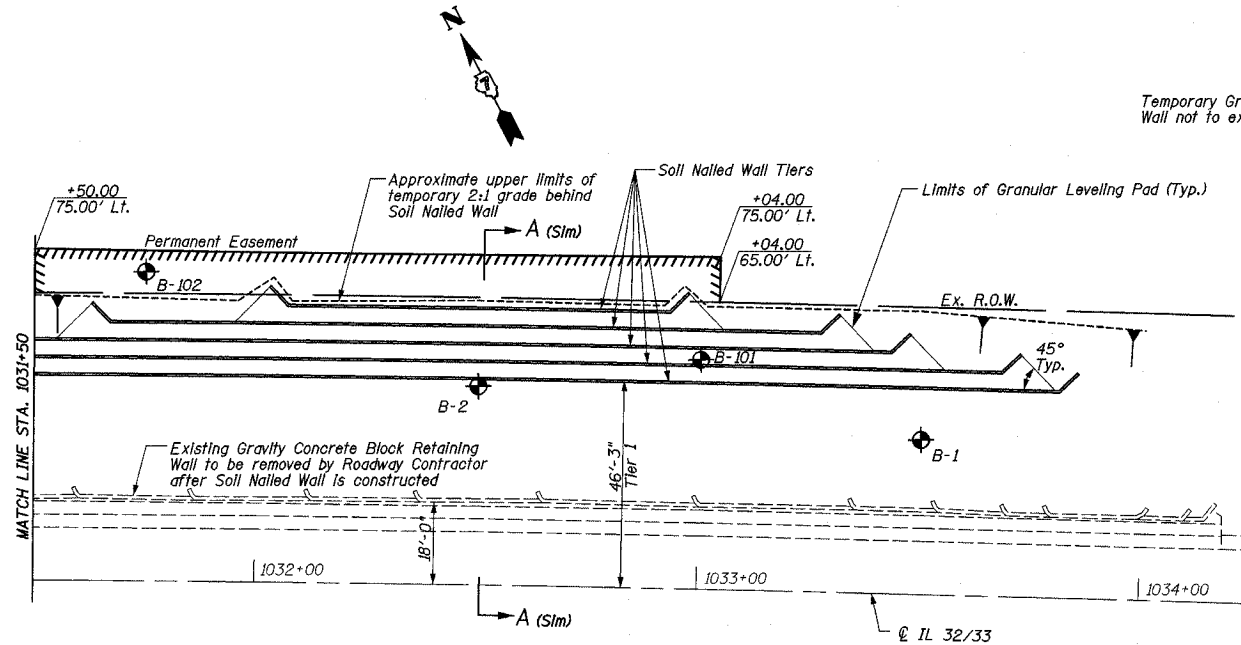
SOIL NAILED WALL ELEVATION

BILL OF MATERIAL - SOIL NAILED WALL

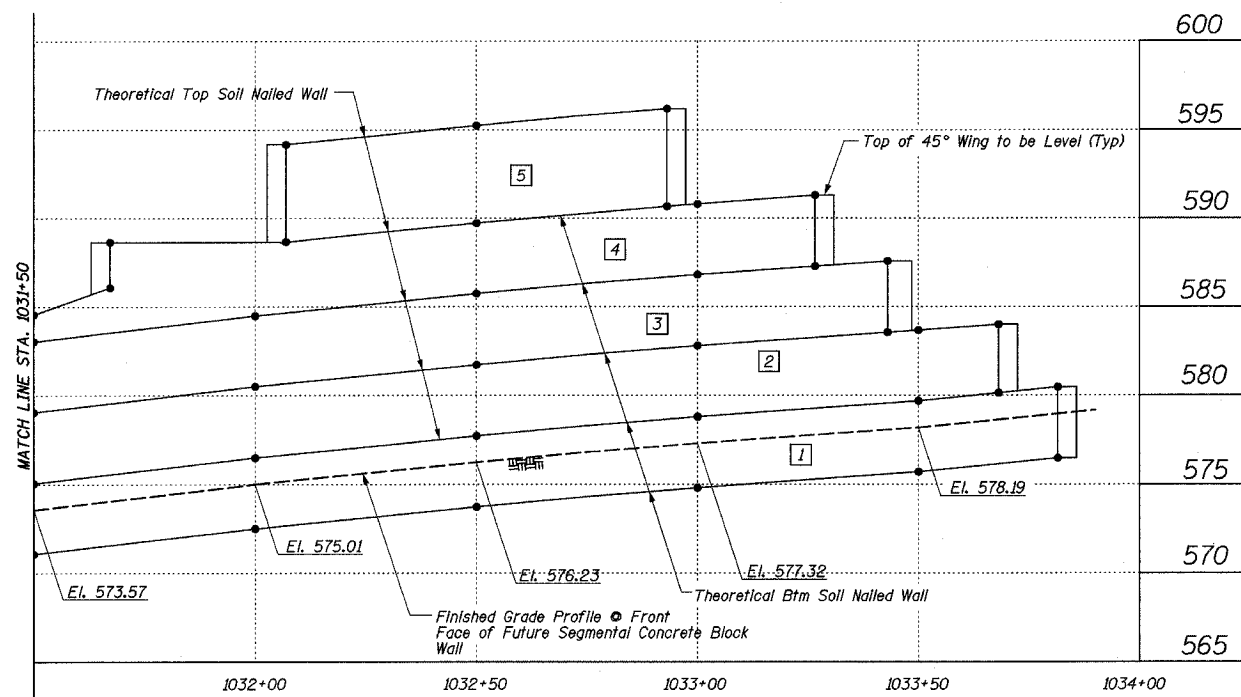
ITEM	UNIT	QUANTITY
EARTH EXCAVATION (SPECIAL)	CU YD	13,527
* GEOCOMPOSITE WALL DRAIN	SQ YD	490
SOIL NAILED WALL	SQ FT	14,690

\* 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



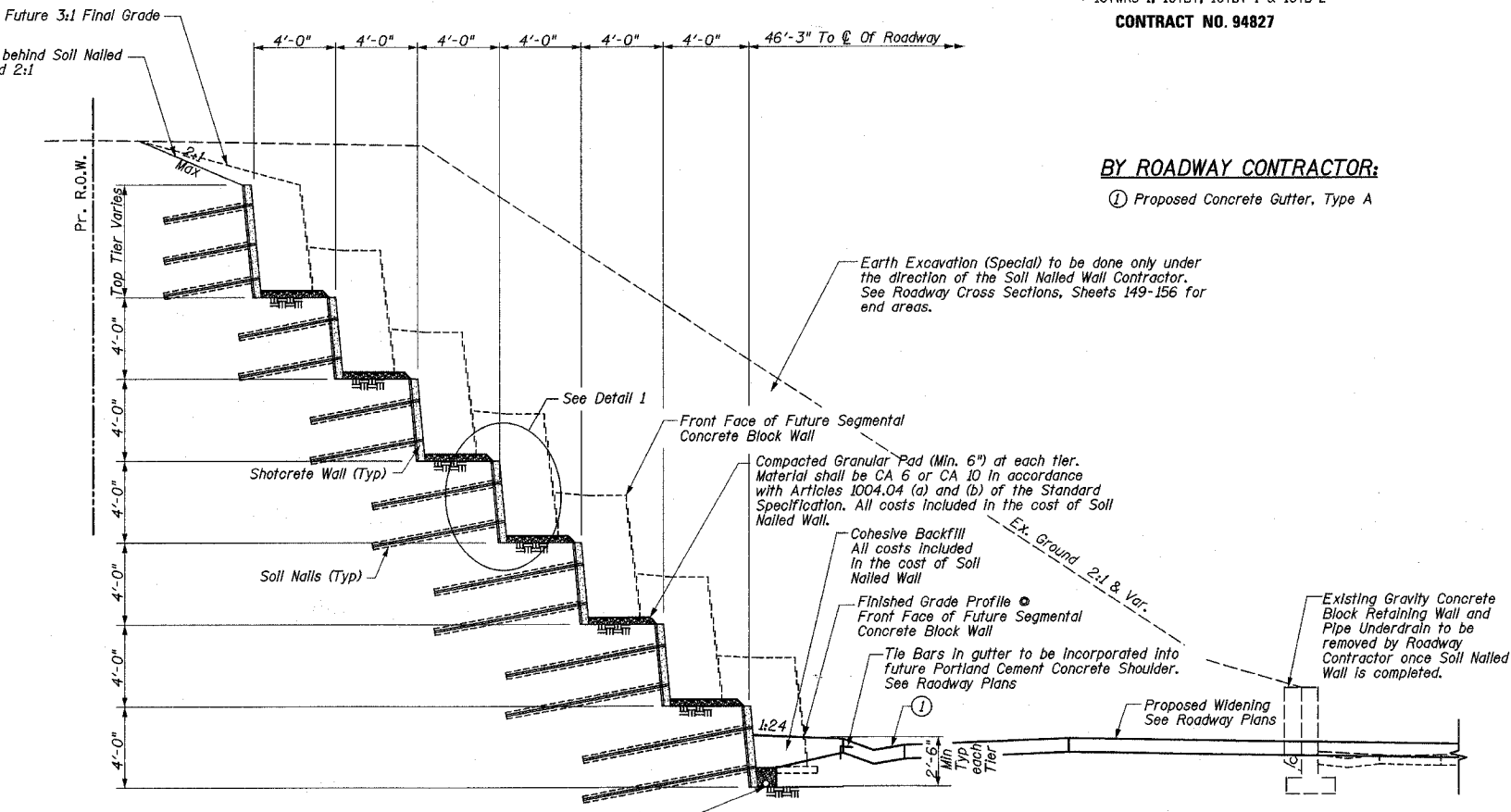
SOIL NAILED WALL PLAN



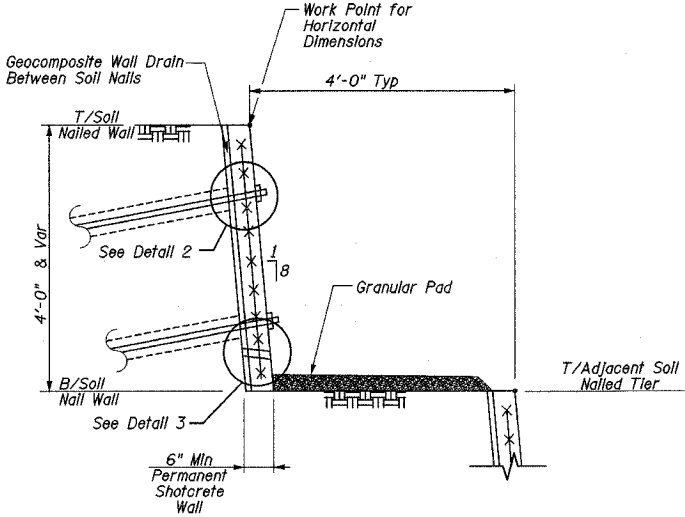
SOIL NAILED WALL ELEVATION

LEGEND

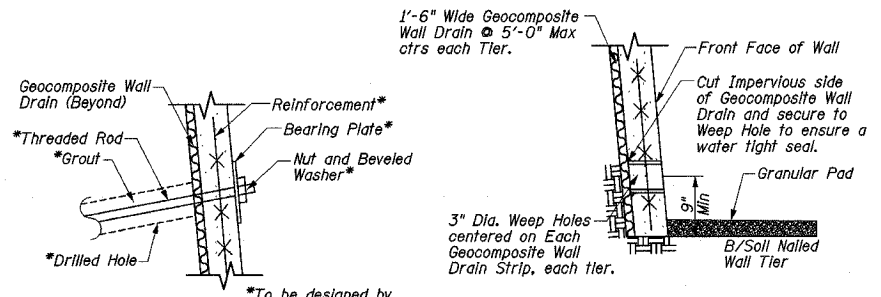
- Denotes Work Point. See Sheet 6 for Wall Elevations.
- Denotes Tier No.



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

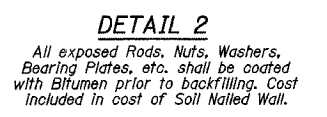


DETAIL 1  
Typical Soil Nailed Wall Tier



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.

★ Pages 92 and 93 are DELETED

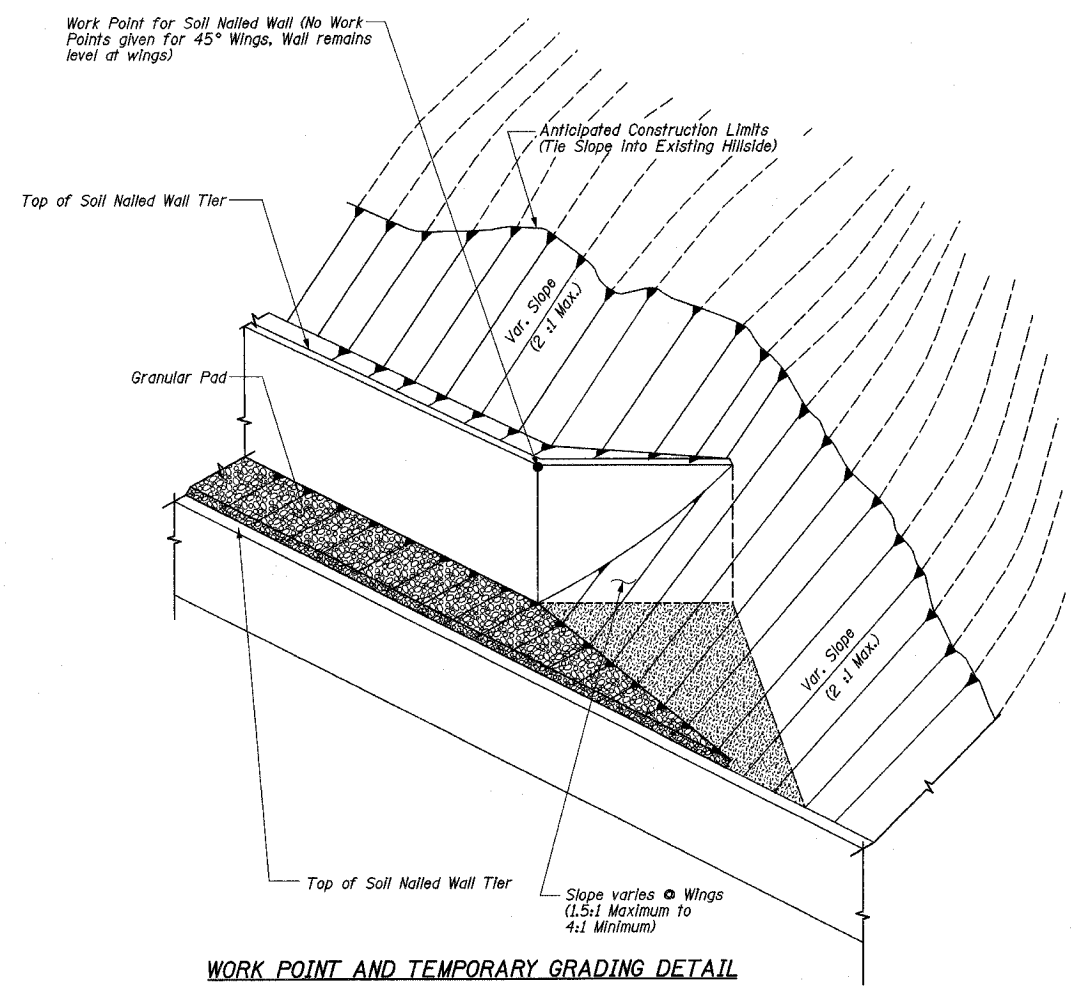
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	*	EFFINGHAM	273	94
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 6  
OF 14 SHEETS

Soil Nailed Wall Work Points				
Tier	Station	Offset	Top of Wall Elevation	Bottom of Wall Elevation
7	1027+75.00	70'-3"	586.20	580.68
7	1028+00.00	70'-3"	587.22	
7	1028+25.00	70'-3"	587.22	582.74
6	1027+20.00	66'-3"	580.17	574.41
6	1027+27.00	66'-3"	580.68	
6	1027+50.00	66'-3"		
6	1027+75.00	66'-3"	580.68	
6	1028+25.00	66'-3"	582.74	
6	1028+50.00	66'-3"		
6	1029+00.00	66'-3"	586.34	
6	1029+50.00	66'-3"	588.36	
6	1029+60.00	66'-3"	588.36	584.23
5	1026+95.00	62'-3"	573.70	569.41
5	1027+00.00	62'-3"	574.41	
5	1027+20.00	62'-3"	574.41	
5	1029+60.00	62'-3"	584.23	
5	1029+75.00	62'-3"		
5	1029+93.00	62'-3"	585.55	581.58
5	1032+07.00	62'-3"	594.18	588.66
5	1032+50.00	62'-3"	595.24	589.73
5	1032+93.00	62'-3"	596.19	590.66
4	1026+81.00	58'-3"	569.41	564.86
4	1026+95.00	58'-3"	569.41	
4	1029+93.00	58'-3"	581.58	
4	1030+00.00	58'-3"	581.83	577.83
4	1030+20.00	58'-3"	582.62	578.62
4	1030+90.00	58'-3"	587.64	581.09
4	1031+00.00	58'-3"	587.96	581.45
4	1031+20.00	58'-3"	588.62	
4	1031+35.00	58'-3"	588.62	
4	1031+35.00	58'-3"	585.12	
4	1031+50.00	58'-3"	584.57	583.05
4	1031+67.00	58'-3"	588.64	
4	1031+67.00	58'-3"	586.07	
4	1032+00.00	58'-3"		584.50
4	1032+07.00	58'-3"	588.66	
4	1032+50.00	58'-3"	589.73	585.73
4	1032+93.00	58'-3"	590.66	
4	1033+00.00	58'-3"	590.79	586.81
4	1033+27.00	58'-3"	591.30	587.28
3	1026+50.0	54'-3"	564.11	559.60
3	1026+57.00	54'-3"	564.86	
3	1026+81.00	54'-3"	564.86	
3	1030+00.00	54'-3"	577.83	573.83
3	1030+20.00	54'-3"	578.62	
3	1030+29.00	54'-3"	578.99	
3	1030+29.00	54'-3"	577.44	
3	1030+50.00	54'-3"	577.21	575.68
3	1030+72.00	54'-3"	581.09	
3	1030+72.00	54'-3"	579.01	
3	1030+90.00	54'-3"	581.09	
3	1031+00.00	54'-3"	581.45	577.45
3	1031+35.00	54'-3"		
3	1031+50.00	54'-3"	583.05	579.06
3	1031+67.00	54'-3"		
3	1032+00.00	54'-3"	584.50	580.50
3	1032+50.00	54'-3"	585.73	581.73
3	1033+00.00	54'-3"	586.81	582.81
3	1033+27.00	54'-3"	587.28	
3	1033+43.00	54'-3"	587.57	583.56

Soil Nailed Wall Work Points				
Tier	Station	Offset	Top of Wall Elevation	Bottom of Wall Elevation
2	1026+32.00	50'-3"	559.60	554.86
2	1026+50.00	50'-3"	559.60	
2	1030+00.00	50'-3"	573.83	569.83
2	1030+29.00	50'-3"		
2	1030+50.00	50'-3"	575.68	571.70
2	1030+72.00	50'-3"		
2	1031+00.00	50'-3"	577.45	573.45
2	1031+50.00	50'-3"	579.06	575.06
2	1032+00.00	50'-3"	580.50	576.50
2	1032+50.00	50'-3"	581.73	577.73
2	1033+00.00	50'-3"	582.81	578.81
2	1033+43.00	50'-3"	583.56	
2	1033+50.00	50'-3"	583.68	579.69
2	1033+68.00	50'-3"	584.00	580.13
1	1026+10.00	46'-3"	554.86	549.99
1	1026+32.00	46'-3"	554.86	
1	1030+00.00	46'-3"	569.83	565.84
1	1030+50.00	46'-3"	571.70	567.71
1	1031+00.00	46'-3"	573.45	569.46
1	1031+50.00	46'-3"	575.06	571.07
1	1032+00.00	46'-3"	576.50	572.51
1	1032+50.00	46'-3"	577.73	573.74
1	1033+00.00	46'-3"	578.81	574.82
1	1033+50.00	46'-3"	579.69	575.70
1	1033+68.00	46'-3"		
1	1033+81.00	46'-3"	580.46	576.47



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



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774		EFFINGHAM	273	96
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
• 107WRS-1, 107BY, 107BY-1 & 107B-2				
CONTRACT NO. 94827				

SHEET NO. 8  
OF 14 SHEETS



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 1  
Date 04/24/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	
																(ft)
BORING NO. B-4 Station 1020+00 Offset 65L Ground Surface Elev. 592.0																
SILTY CLAY LOAM - Gray-Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - reddish brown, very stiff - A-6		2		.7	18		60+	6.5		9						
- stiff, little sand		5			22			6.1		12						
- clayey sand seam		8			31											
		11			31											
		15		1.7	15			3.0		15						
		17			25											
		25			25											
		27			27											
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6		27			27											
water added for drilling @ 9 ft.		10.5			60+											
SAND - Brown, moist, very dense, fine-medium, trace gravel - A-1-B		12			60+											
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6		14		3.4	9											
- dark gray		29			10											
- brown		30+		6.2	10											
		25			10											
		60+		7.5	10											
		17			40											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	
																(ft)
BORING NO. B-5 Station 1028+50 Offset 63 LT Ground Surface Elev. 589.0																
SILTY CLAY LOAM - Reddish Brown, moist, soft-firm, low-medium plasticity, trace sand, trace gravel, organics - A-6		2		.5	14		45	15+		9						
- stiff		5			18											
- sand lense		7			18											
		8			18											
		18			18											
		27			13											
		32			13											
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6		32			13											
- sand seam		50			13											
		10+			13											
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6		10			13											
		22			13											
		35			16											
		25+			16											
		60+			11											
		14.5			11											
		15			12											
SAND - Brown, moist, very lense, fine-medium, trace gravel - A-1-B		15			12											
		60+			12											
		60+			11											
		20			26											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 2 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM  
COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO. Station	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	ft	D E P T H H S	B L O W S Q u	U C S T	M O I S T T	
																(ft)
BORING NO. B-5-2 Station 1028+50 Offset 63LT Ground Surface Elev. 589.0																
SHALE - Gray, moist, weathered		41			9											
		60+			10											
		60+			17											
		45			13											
		46			13											
END OF BORING @ 46 ft. Boring backfilled with spoil and capped with concrete upon completion		46			13											
		6			13											
		8			13											
		16			13											
		29.5			16											
SANDSTONE INTERBEDDED WITH SHALE		29			16											
		35			16											
		25+			16											
		32			11											
SHALE - Gray, moist, weathered		32			11											
		60+			11											
		35			12											
		60+			12											
		60+			11											
		60+			11											
		40			60+											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)

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.
774	*	EFFINGHAM	273	97

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

SHEET NO. 9  
OF 14 SHEETS



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO.	Station	D E P T H S	B L O W S	U C S	M O D	Surface Water Elev. Stream Bed Elev.	ft	D E P T H S	B L O W S	U C S	M O D
BORING NO. B-6	Station 1027+15					Groundwater Elev.: First Encounter	Dry 25.5				
	Offset 50' LI					Upon Completion					
	Ground Surface Elev. 584.0					After 24 Hrs					
SILTY CLAY LOAM - Reddish		4						60+	8.2		8
Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6		3									
		4									
SILTY CLAY LOAM - Mottled Brown-Gray, moist, stiff-very stiff, low plasticity, trace sand, trace gravel - A-6		8					22.5	20		3.9	11
		7	3.2	15				35			
		9						25+			
SANDY CLAY LOAM - Brown, moist, very stiff, low plasticity, trace sand, trace gravel - A-6		6						7		6.2	9
		8						34			
		8						26+			
		5						26.5			
		6						8			
		6	1.2	16				32		3.2	16
		8						28+			
		9.5									
SILTY CLAY LOAM - Brown, moist, hard, low plasticity, trace sand, trace gravel - A-6		14						8			14
		37						16			
		23+						29			
		23						17			13
		40						60+			
		20+									
		14.5									
		27						35			8
		60+						60+			
		20									18
		60+						60+			
		25						40			60+

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 2 of 2  
Date 04/23/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO.	Station	D E P T H S	B L O W S	U C S	M O D	Surface Water Elev. Stream Bed Elev.	ft	D E P T H S	B L O W S	U C S	M O D
BORING NO. B-6-2	Station 1027+15					Groundwater Elev.: First Encounter	Dry 25.5				
	Offset 50' LI					Upon Completion					
	Ground Surface Elev. 589.0					After 24 Hrs					
								60+			12
END OF BORING @ 41 ft. Boring backfilled with spoil and capped with concrete upon completion											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)



SKS ENGINEERS, INC.  
SOIL BORING LOG

Page 1 of 1  
Date 04/24/2001

ROUTE IL Rt. 33 DESCRIPTION Retaining Wall LOGGED BY T. Skinner/D. Baldwin  
SECTION 107 WRS-1 LOCATION Effingham SEC. TWP. RNG. PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Safety

STRUCT. NO.	Station	D E P T H S	B L O W S	U C S	M O D	Surface Water Elev. Stream Bed Elev.	ft	D E P T H S	B L O W S	U C S	M O D
BORING NO. B-7	Station 1026+50					Groundwater Elev.: First Encounter	Dry 15.8				
	Offset 50' LI					Upon Completion					
	Ground Surface Elev. 574.0					After 24 Hrs					
VERY SILTY CLAY LOAM -		5						60+	2.5		12
Gray-Brown, moist, firm, low-medium plasticity, trace sand, trace gravel, organics - A-6		5									
		5									
SILTY CLAY LOAM - Mottled Brown-Gray, moist, hard, low plasticity, trace sand, trace gravel - A-6		11						25			9
		15						34			
		20						26+			
		4.5						24.5			
SANDY CLAY LOAM - Brown-Gray, moist, hard, low plasticity, trace gravel - A-4		5						60+			14
		12						25			
		26						34			
		28						26+			
		7						8			
CLAYEY SAND - Brown, moist very dense, low plasticity, trace gravel - A-2-6		10						60+			12
		24						32			
		34						28+			
SILTY CLAY LOAM - Mottled Gray-Brown, moist, hard, low plasticity, trace-little sand, trace gravel - A-6		18						30			11
		24						36+			
		36+									
		19						19			
		30						30+			
		30+									
		19						35			
		24									
		34									
		17.5									
SILTY SAND - Brown, moist very dense, fine, trace gravel, - brown - A-2-6		12						60+			
		24						31			
		31									
SILTY CLAY LOAM - Brown-Gray, moist, hard, low		19.5									
		20						40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS 137 (3/01)

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+60 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 (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRNGTH (tsf)
541.09	Gray SANDSTONE with interbedded SHALE	1	100	86	3.5	216
535.00	End of Boring at 56.0'					244
-55.0						
-60.0						
-65.0						
-70.0						

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  
Station 1029+00  
Offset 70.00ft Lt

DEPTH  
H  
S  
tsf  
%

Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling DRY  
at Completion DRY  
after \_\_\_\_\_ Hrs.

DEPTH  
H  
S  
tsf  
%

Surface Elev. 588.46 ft

Hard light brown SILTY LOAM, moist	5 7 9	P 4.5+	11	Hard gray SILTY CLAY LOAM, moist	4 5 13	B 4.9	20
Hard brown SILTY LOAM, moist to damp	8 10 12	P 4.5+	13		5 7 10	B 4.8	14
	10 16 26	P 4.5+	7		3 7 14	S 6.0	14
Hard light brown SILTY LOAM, damp	10 20 20	P 4.5+	9	Firm brown/gray SILTY LOAM/LOAM, moist	5 11 13		11
	17 25 24	B 11.5	8	Very dense gray SILTY LOAM/LOAM, moist	22 36 44		9
	11 21 28	S 8.3	8		18 45		10
	9 23 31	B 9.7	9	See STRUCTURE CORING LOG for core information to termination depth of boring.	548.46 -40	50/3"	
Very dense brown SAND, dry	8 29 43						
Hard gray SILTY CLAY LOAM, moist	6 13 20	B 7.9	12				
	4 11 16	B 7.2	12				

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

Testing Service Corporation  
STRUCTURE ROCK CORING 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

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 (%)	RQD (%)	CORE TIME (Min/ft)	COMP. STRNGTH (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
-45.0						
-50.0						
-55.0						
-60.0						

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  
EFFINGHAM COUNTY  
RETAINING WALL  
STA. 1026+03.00 LT. TO STA. 1033+86.00 LT.  
STRUCTURE NUMBER 025-W008