

F.A. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	*	GRUNDY	85	1

• (111 CS)W&RS-2, I

INDEX OF SHEETS

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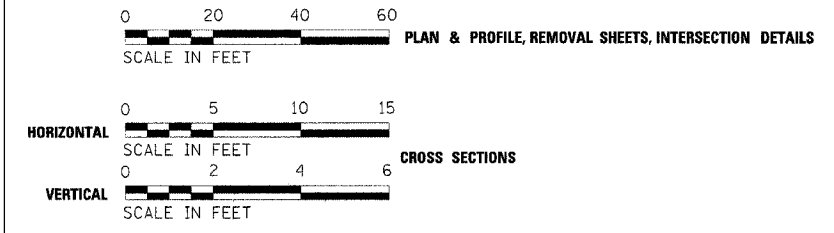
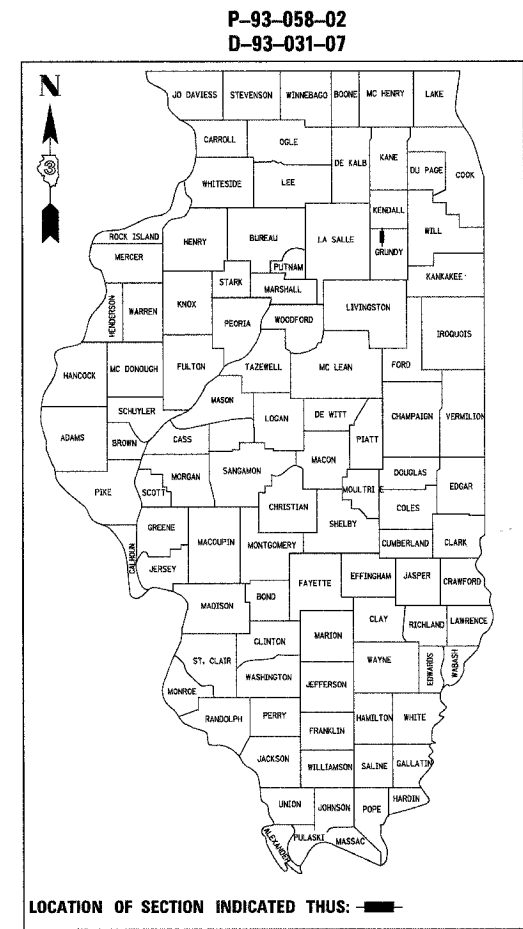
HIGHWAY STANDARDS

000001-05	701301-02	876001
001006	701311-02	877001-03
280001-04	701602-03	877011-03
424001-05	701606-05	878001-06
442201-03	701701-05	880001
602301-01	701801-03	880006
602306-01	701901	886001
602401-01	720001	886006
602406-02	720006-01	BLR 17-3
602601-01	720016-01	
602701-01	729001	
604001-02	780001-01	
604006-02	781001-02	
604041-01	805001	
606001-03	814001-01	
606301-03	814006-01	
666001	857001	
701101-01	862001	
701106-01	873001-01	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
FAP 326 (IL 47)
SECTION (111 CS)W&RS-2, I
PROJECT HSIF#0326(070)
GRUNDY COUNTY

C - 93 - 071 - 07

ADD BI-DIRECTIONAL LANE, W&RS, TRAFFIC SIGNALS, C&G
 FROM BENTON STREET TO MAIN STREET IN MORRIS



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.

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE
 ON THE FOLLOWING SHEETS _____

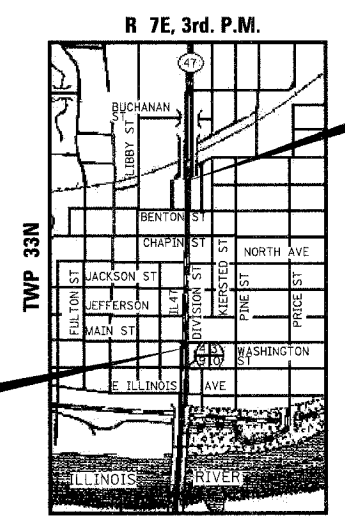
JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVID BROVIK
 UNIT CHIEF: MARK JONES
 TOWNSHIP: MORRIS

CONTRACT NO. 66720

PROJECT BEGINS
 STA. 10 + 56.34



LOCATION MAP
 NOT TO SCALE

PROJECT ENDS
 STA. 31 + 10.00

GROSS LENGTH = 2053.66 FT. = .389 MI.
 NET LENGTH = 2053.66 FT. = .389 MI.



PREPARED BY:
 LIN ENGINEERING, LTD.
 CHATHAM, ILLINOIS 62629
 (217) 483-4168

Fred Lin

FRED M. LIN, P.E.
 ILLINOIS REGISTERED ENGINEER NO. 062-056704
 REGISTRATION EXPIRES NOV. 30, 2009

OTHER PRINCIPAL ARTERIAL
 FUNCTION CLASSIFICATION
 2012 ADT = 30600
 P.V. = 92.6% S.U. = 3.3% M.U. = 4.1%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED _____ 20 _____

Debra Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 24, 2008
Cree E. Harrel
 ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2008
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

DATE-TIME*
 DGN-SPEC*

GENERAL NOTES:

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SODDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FOLLOWING WORK ITEMS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF EARTH EXCAVATION: TREE & SHRUB REMOVAL, FENCE REMOVAL, SIGN RELOCATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH & PLACE, 4".

FOR NEW CONSTRUCTION, PLACE CURB RAMPS FOR SIDEWALKS (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MATL PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE)SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

SOD SHALL BE FERTILIZED IN ACCORDANCE WITH SECTION 252. FERTILIZERS SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE CONTRACT UNIT PRICE FOR SODDING.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

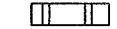



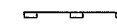
COMCAST CABLE
COM ED
SBC
NICOR
CITY OF MORRIS

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

IDOT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	2
STA.	TO STA.			
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
CONTRACT NUMBER: 66720				

LEGEND

-  PAVEMENT PATCHING
-  INLET & PIPE PROTECTION
-  SODDING, SALT TOLERANT
-  SODDING, SALT TOLERANT WITH EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER

COMMITMENTS:

NO COMMITMENTS AT THIS TIME.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Paul Powell*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-4-08

EXAMINED BY: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER
[Signature]
DISTRICT OPERATIONS ENGINEER

	HMA BASE COURSE BOTTOM LIFT	HMA LEVEL BINDER	HMA SURFACE	HMA BASE COURSE TOP LIFT
PG GRADE	PG64-22	SBS PG70-22	SBS PG70-22	SBS PG70-22
MAX % RAP ALLOWABLE**	15%	10%	10%	10%
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N90	4.0% @ N90	4.0% @ N90
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0
FRICTION AGGREGATE			MIXTURE E	
DENSITY TEST METHOD	*	SATISFACTION OF ENGINEER	CORES/ NUCLEAR	*

- * MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.
- ** IF THE RAP PERCENTAGE IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES, COMMITMENTS, & LEGEND IL ROUTE 47 GRUNDY COUNTY
NAME	DATE	
		SCALE: None DATE: OCTOBER 2007 DRAWN BY: KHH CHECKED BY: FML

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (IILCS) W&RS-21		GRUNDY	85	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

90% FED
10% STATE
HSEIP URBAN F

L53
HSIP
90% FED L20
10% STATE F
URBAN

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE URBAN		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	1000-2A	Y031-1F	84/20 FED STATE 1000-2A
20200100	EARTH EXCAVATION	CU YD	1960.6	1960.6		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	20	20		
20800150	TRENCH BACKFILL	CU YD	2345.8	2345.8		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	990.2	990.2		
25100630	EROSION CONTROL BLANKET	SQ YD	248.0	248.0		
25200110	SODDING, SALT TOLERANT	SQ YD	1149.1	1149.1		
25200200	SUPPLEMENTAL WATERING	UNIT	51.7	51.7		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	400	400		
28000400	PERIMETER EROSION BARRIER	FOOT	758.6	758.6		
28000500	INLET AND PIPE PROTECTION	EACH	2	2		
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	3011.9			3011.9
35600800	HOT-MIX ASPHALT BASE COURSE WIDENING, VARIABLE DEPTH	TON	1868.6			1868.6
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	450	450		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4092.3			4092.3
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	889.8			889.8
40600895	CONSTRUCTING TEST STRIP	EACH	1			1
40600990	TEMPORARY RAMP	SQ YD	1233			1233

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE URBAN		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	1000-2A	Y031-1F	90/20 FED/ST 1000-2A
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1201			1201
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	324.4			324.4
42001300	PROTECTIVE COAT	SQ YD	19690.3	19690.3		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	30.3			30.3
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	394.2			394.2
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	11236	11236		
42400420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	2374.1	2374.1		
42400800	DETECTABLE WARNINGS	SQ FT	402.8	402.8		
44000100	PAVEMENT REMOVAL	SQ YD	198.6			198.6
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	15459.3			15459.3
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	561			561
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4383.1			4383.1
44000600	SIDEWALK REMOVAL	SQ FT	11884.1	11884.1		
44002805	ISLAND REMOVAL	SQ FT	493.4			493.4
44003100	MEDIAN REMOVAL	SQ FT	992.2			992.2
44200276	PAVEMENT PATCHING, TYPE II	SQ YD	737.0			737.0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3604.4			3604.4

27, MAR 08

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES IL ROUTE 47 GRUNDY COUNTY
NAME	DATE	
SCALE: NONE DATE: 09/2007		DRAWN BY: KHH CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HSEIP
90% FED
10% STATE
URBAN

HSEIP
URBAN
90% FED
10% STATE
F

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE	
SUMMARY OF QUANTITIES				RWY	TS
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	173.0	173.0	
54248510	CONCRETE COLLAR	CU YD	3.33	3.33	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	539.5	539.5	
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	243.0	243.0	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	855.0	855.0	
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	429.6	429.6	
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	180.0	180.0	
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	122.5	122.5	
55100500	STORM SEWER REMOVAL 12"	FOOT	538	538	
55100700	STORM SEWER REMOVAL 15"	FOOT	615	615	
55100900	STORM SEWER REMOVAL 18"	FOOT	483	483	
55101100	STORM SEWER REMOVAL 21"	FOOT	414	414	
55101200	STORM SEWER REMOVAL 24"	FOOT	181	181	
56106400	ADJUSTING WATER MAIN 8"	FOOT	75	75	
56109300	WATER VALVES TO BE MOVED	EACH	6	6	
56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	8	8	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	6	6	

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	6020 FED/STATE I000-2A
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	21	21		
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	16	16		
60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1		
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	22	22		
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	8	8		
60405740	FRAMES AND GRATES TO BE REMOVED	EACH	25	25		
60500040	REMOVING MANHOLES	EACH	11	11		
60500060	REMOVING INLETS	EACH	25	25		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3974.6			3974.6
60606600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	106.4			106.4
60625800	ISLAND PAVEMENT (SPECIAL)	SO YD	40.5			40.5
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	120	120		
66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1		
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12		
67100100	MOBILIZATION	L SUM	1	1		

27 MAR 08

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007
DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HSIP
URBAN
90% FED
10% STATE
F

HSIP
90% FED
10% STATE
URBAN

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE	
SUMMARY OF QUANTITIES				RWY	TS
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	y031-1F
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.7	0.3
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.7	0.3
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.85	0.15
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	202	202	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	48	48	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3702	3702	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1234	1234	
* 72000100	SIGN PANEL - TYPE 1	SO FT	32	32	
* 72000200	SIGN PANEL - TYPE 2	SO FT	85	85	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	405.6	405.6	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4149.2	4149.2	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4310.6	4310.6	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	826.3	826.3	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	657.2	657.2	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	458.4	458.4	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	191	191	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	16	16	

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE	
SUMMARY OF QUANTITIES				RWY	TS
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	y031-1F
78300100	PAVEMENT MARKING REMOVAL	SO FT	730	730	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	165	165	
* 80500200	SERVICE INSTALLATION, TYPE B	EACH	3		3
* 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	406		406
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	3342		3342
* 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	171		171
* 81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	42		42
* 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	1470		1470
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	606		606
* 81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	515		515
* 81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	8		8
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	20		20
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2		2
* 81700120	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6	FOOT	350		350
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2400		2400
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3997		3997
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4		4
* 82500505	LIGHTING CONTROLLER, SPECIAL	EACH	3		3

27 MAR 08

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007
DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	RUNDY	85	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HSIP
90% FED
10% STATE
URBAN

HSIP
URBAN
90% FED
10% STATE

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE	
SUMMARY OF QUANTITIES				RWY	TS
CODE NO.	ITEM	UNIT	TOTAL	1000-2A	Y031-1F
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5		5
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2		2
* 85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1		1
* 86000100	MASTER CONTROLLER	EACH	1		1
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	5		5
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2872		2872
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2944		2944
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5073		5073
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1848		1848
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3617		3617
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	120		120
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2		2
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32FT.	EACH	1		1
* 87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34FT.	EACH	2		2
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40FT.	EACH	1		1
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48FT.	EACH	1		1
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1		1
* 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	3		3

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE	
SUMMARY OF QUANTITIES				RWY	TS
CODE NO.	ITEM	UNIT	TOTAL	1000-2A	Y031-1F
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9		9
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	13.5		13.5
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	95		95
* 87900200	DRILL EXISTING HANDHOLE	EACH	12		12
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10		10
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	16		16
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		4
* 88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	16		16
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	50		50
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	28		28
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3388		3388
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	16		16
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		2
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2		2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	480		480
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		3
89502380	REMOVE EXISTING HANDHOLE	EACH	12		12
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	21		21

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

27 MAR 08

HSIP
90% FED
10% STATE
URBAN

CONTRACT # 66720

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	RUNDY	85	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				RWY	TS	TS
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	●
X0355800	STORM SEWER WATER MAIN 24"	FOOT	21.9	21.9		
X0930400	STORM SEWER WATER MAIN 12"	FOOT	656.5	656.5		
* X8710020	FIBER OPTIC IN CONDUIT, NO 62.5/125 MML2F_SML2F	FOOT	5220		5220	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* XX002852	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1	
XX005565	REMOVE AND RESET BRICK PAVERS	SO FT	289.9	289.9		
* XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	3		3	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SO FT	405.6	405.6		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4149.2	4149.2		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4310.6	4310.6		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	826.3	826.3		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	657.2	657.2		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	458.4	458.4		
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	797	797		
X0930500	STORM SEWER WATER MAIN 18"	FOOT	74.3	74.3		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	309	309		
* X0325961	TRACER CABLE NO. 14 1/C	FOOT	5220		5220	
* ● 88700200	LIGHT DETECTOR	EACH	8			8
* ● 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			2
* ● X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3812			3812

● NON-PARTICIPATING ITEMS - CITY OF MORRIS PAYS 100% Y031-3D

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY
SCALE: NONE
DATE: 09/2007
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27 MAR 08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C) W&RS-21	GRUNDY	85	8
STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

20200100 EARTH EXCAVATION			
STATION TO STATION	LOCATION	OFFSET	QUANTITY CU. YD.
11+87.4	14+18.7	LT	119.3
11+86.5	14+21.3	RT	90.0
14+56.1	15+74.2	RT	46.0
14+55.7	17+54.5	LT	300.7
17+91.1	20+79.8	LT	240.1
19+74.9	20+81.8	RT	68.1
21+16.5	24+06.1	LT	189.4
21+15.3	24+10.6	RT	203.1
24+48.8	27+45.1	LT	228.3
24+45.2	27+49.7	RT	198.6
27+96.5	31+10.0	LT	132.5
29+95.3	31+10.0	RT	144.8
TOTAL			1960.6

TRENCH BACKFILL AND CONTROLLED LOW-STRENGTH MATERIAL					
			20800150 TRENCH BACKFILL	59300100 CONTROLLED LOW-STRENGTH MATERIAL	
STATION			QUANTITY (CU. YD.)	QUANTITY (CU. YD.)	
FROM	TO	OFFSET			
10+63	12+41	LEFT	123.6		
12+38	12+41	RIGHT	1.2		
12+41	12+41	LEFT	3.5		
12+41	14+00	LEFT	115.9		
14+00	14+00	NONE		26.4	
14+00	14+61	LEFT	64.7		
14+61	14+61	LEFT	3.2		
14+61	14+88	LEFT	43.6		
14+61	14+88	RIGHT	11.8		
14+88	14+88	LEFT	6.4		
14+88	14+88	LEFT		2.4	
14+88	15+75	LEFT	91.1		
14+88	15+75	RIGHT	21.2		
15+75	15+75	LEFT	3.6		
15+75	16+31	LEFT	70.1		
16+30	17+24	RIGHT	13.6		
16+31	16+31	LEFT	3.7		
16+31	16+31	LEFT		4.8	
16+31	17+26	LEFT	117.1		
17+26	17+26	LEFT	4.7		
17+26	18+01	LEFT	96.5		
18+01	18+19	LEFT	28.5		
18+19	18+19	LEFT	3.0		
18+19	18+19	NONE		26.6	
18+19	19+00	LEFT	102.5		
19+00	19+00	LEFT	1.5		
19+00	19+00	LEFT		1.5	
19+00	20+00	LEFT	125.3		
20+00	20+00	NONE		23.6	
20+00	20+00	LEFT	4.7		
20+00	20+75	LEFT	84.8		
20+18	20+20	LEFT	0.6		
20+75	20+75	LEFT	10.0		
20+75	20+78	LEFT	0.4		
20+75	22+47	LEFT	158.8		
22+47	22+50	NONE		55.2	
22+47	22+47	LEFT	4.8		
22+47	23+00	LEFT	44.6		
23+00	23+00	LEFT	2.3		
22+97	23+70	LEFT	88.9		
23+00	23+00	LEFT		1.1	
23+00	23+00	RIGHT		0.7	
23+70	23+75	LEFT	3.6		
23+70	24+01	LEFT	29.6		
23+75	23+75	NONE		28.8	
24+01	24+54	LEFT	49.7		
24+54	24+88	RIGHT	8.0		
24+88	25+25	RIGHT	11.4		
25+25	25+25	NONE		20.3	
25+25	26+24	LEFT	24.0		
26+24	26+34	LEFT	4.0		
26+27	26+34	RIGHT	1.8		
26+34	26+34	NONE		16.5	
26+34	27+25	LEFT	36.2		
27+17	27+25	NONE		54.3	
27+17	27+97	RIGHT	39.5		
27+97	28+07	RIGHT	8.0		
28+07	28+25	RIGHT	26.2		
28+07	28+89	RIGHT	91.7		
28+25	28+25	NONE		22.1	
28+89	29+25	RIGHT	100.5		
28+89	29+50	RIGHT	97.2		
29+25	29+25	RIGHT	2.1		
29+25	29+25	NONE		12.5	
29+25	30+25	RIGHT	74.1		
30+25	30+25	RIGHT	2.1		
30+25	30+25	NONE		11.8	
29+50	31+30	RIGHT	279.9		
TOTAL			2345.8	308.6	

21101615 TOPSOIL FURNISH AND PLACE, 4"			
STATION TO STATION	LOCATION	OFFSET	QUANTITY (SQ. YD.)
11+88.7	14+14.2	LT	42.68
11+86.5	14+18.8	RT	48.58
14+58.5	15+74.3	RT	41.35
14+59.2	17+52.0	LT	94.14
17+93.6	20+77.1	LT	119.71
19+74.6	20+84.4	LT	60.83
21+15.3	24+08.1	RT	92.58
24.53.9	27+33.8	LT	156.13
24.47.8	27+47.1	RT	97.78
28+05.5	31+10.0	RT	124.62
28+07.5	31+10.0	LT	111.74
TOTAL			990.14

35600800 HOT MIX ASPHALT BASE COURSE WIDENING, VARIABLE DEPTH			
STATION TO STATION	LOCATION	OFFSET	QUANTITY SQ. YD.
11+88.7	14+16.7	LT	107.4
11+86.5	14+19.3	RT	107.9
14+58.9	17+52.5	LT	269.3
14+58.0	15+74.2	RT	35.9
17+93.1	20+77.7	LT	276.4
19+74.8	20+85.0	RT	46.0
21+18.5	24+04.1	LT	184.2
21+14.7	24+08.6	RT	182.8
24+50.8	27+43.1	LT	168.5
24+47.2	27+47.6	RT	224.5
27+98.5	31+10.0	LT	131.7
27+97.9	31+10.0	RT	134.0
TOTAL			1868.6

31100300 SUB-BASE GRANULAR MATERIALS, TYPE A 4"			
STATION TO STATION	LOCATION	OFFSET	QUANTITY SQ. YD.
11+88.7	14+16.7	LT	183.4
11+86.5	14+19.3	RT	183.5
14+58.9	17+52.5	LT	394.2
14+58.0	15+74.2	RT	72.2
17+93.1	20+77.7	LT	402.8
19+74.8	20+85.0	RT	88.8
21+18.5	24+04.1	LT	294.1
21+14.7	24+08.6	RT	296.0
24+50.8	27+43.1	LT	275.6
24+47.2	27+47.6	RT	353.4
27+98.5	31+10.0	LT	230.9
27+97.9	31+10.0	RT	237.2
TOTAL			3011.9

40600100 BITUMINOUS MATERIALS PRIME COAT				
ALIGNMENT	STATION TO STATION	APPLICATION	QUANTITY GALLON	
IL 47	10+56.3	31+10.0	BIND. & SURF.	2551.2
W. MAIN	--	--	BIND. & SURF.	17.0
E. MAIN	--	--	BIND. & SURF.	10.9
W. JEFFERSON	9+33.7	9+69.0	BIND. & SURF.	19.4
E. JEFFERSON	10+29.1	10+58.8	BIND. & SURF.	16.3
W. JACKSON	9+33.4	9+66.1	BIND. & SURF.	18.2
E. JACKSON	10+26.2	10+50.2	BIND. & SURF.	13.4
W. NORTH	9+68.6	9+19.8	BIND. & SURF.	27.5
E. NORTH	10+28.7	10+92.5	BIND. & SURF.	29.9
W. CHAPIN	9+37.8	9+70.0	BIND. & SURF.	20.2
E. CHAPIN	10+30.0	10+59.0	BIND. & SURF.	15.9
W. BENTON	9+20.0	9+70.0	BIND. & SURF.	43.1
E. BENTON	10+30.0	11+34.1	BIND. & SURF.	133.0
IL 47	11+88.7	14+16.7	BASE	68.4
IL 47	11+86.5	14+19.3	BASE	68.7
IL 47	14+58.9	17+52.5	BASE	166.3
IL 47	14+58.0	15+74.2	BASE	23.7
IL 47	17+93.1	20+77.7	BASE	170.5
IL 47	19+74.8	20+85.0	BASE	30.1
IL 47	21+18.5	24+04.1	BASE	115.7
IL 47	21+14.7	24+08.6	BASE	115.2
IL 47	24+50.8	27+43.1	BASE	106.4
IL 47	24+47.2	27+47.6	BASE	140.6
IL 47	27+98.5	31+10.0	BASE	84.4
IL 47	27+97.9	31+10.0	BASE	86.1
TOTAL				4092.3

40600990 TEMPORARY RAMP		
ALIGNMENT	LOCATION	AREA SQ. YD.
IL-47	SOUTH	55.6
IL-47	NORTH	48.5
JEFFERSON	EAST	63.7
	EAST	33.2
	WEST	66.2
JACKSON	WEST	34.4
	EAST	60.6
	EAST	35.2
NORTH	WEST	65.8
	WEST	34.3
	EAST	70.9
CHAPIN	EAST	24.3
	WEST	33.9
	WEST	77.1
BENTON	EAST	63.7
	EAST	33.5
	WEST	71.4
	WEST	40.1
	EAST	56.1
TOTAL	EAST	55.4
	EAST	24.1
	EAST	24.4
	WEST	53.7
WEST	58.8	
WEST	48.2	
TOTAL		1233.0

40600845 POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90			
ALIGNMENT	STATION TO STATION	QUANTITY TONS	QUANTITY TONS
IL 47	10+56.3	31+10.0	763.49
IL 47 (MEDIAN FILL)	28+10.1	31+10.0	126.27
TOTAL			889.76

REVISIONS	
NAME	DATE
IDOT	5-15-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	9

STA.	TO STA.
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT

ALIGNMENT	STATION TO STATION	QUANTITY TONS
IL 47	10+56.3 31+10.0	1145
BENTON	10+00.0 11+34.2	56
TOTAL		1201

STATION TO STATION	OFFSET	QUANTITY SQ. FT.
11+86.5	12+42.5 RT	290.4
11+88.7	12+05.2 LT	70.2
12+38.0	12+62.3 LT	97.6
12+77.7	13+14.5 RT	178.9
12+77.4	12+88.0 LT	29.0
13+07.5	14+06.5 LT	553.4
13+42.5	14+08.3 RT	389.7
14+68.0	15+95.6 LT	701.9
14+62.7	15+42.6 RT	381.6
18+05.0	19+29.4 LT	680.6
19+42.4	20+71.4 LT	729.7
19+74.67	20+73.16 RT	672.7
21+25.9	22+17.2 RT	570.5
22+42.0	22+54.3 RT	36.2
22+64.5	23+96.9 LT	711.2
24+54.6	24+66.9 LT	98.0
24+62.1	25+81.0 RT	651.8
26+17.5	27+35.7 RT	766.7
27+02.3	27+42.2 LT	377.8
28+01.0	30+93.7 LT	1561.7
28+01.9	30+93.7 RT	1686.4
TOTAL		11236.0

INTERSECTION	CORNER	SO. FT.
JEFFERSON	SW	15.4
JEFFERSON	SE	10.8
JEFFERSON	NE	13.3
JEFFERSON	NW	13.1
JACKSON	SW	15.6
JACKSON	NW	15.5
NORTH	SW	23.0
NORTH	SE	33.2
NORTH	NE	28.0
NORTH	NW	36.2
CHAPIN	SW	27.2
CHAPIN	SE	17.7
CHAPIN	NE	15.2
CHAPIN	NW	24.5
BENTON	SW	14.2
BENTON	SE	12.0
BENTON	NE	11.3
BENTON	NW	10.1
BENTON	W. ISLAND	32.8
BENTON	E. ISLAND	33.7
TOTAL		402.8

STATION TO STATION	OFFSET	QUANTITY SQ. FT.
11+88.7	11+94.7 LT	27.9
11+86.5	12+45.2 RT	334.9
12+36.0	12+62.3 LT	130.9
12+75.3	13+14.2 RT	148.5
12+76.1	12+89.6 LT	61.8
13+07.0	14+06.5 LT	448.0
13+39.8	14+08.8 RT	319.7
14+62.7	15+23.5 RT	275.0
14+68.0	15+98.0 LT	602.4
16+13.0	17+41.2 LT	596.8
18+05.0	19+29.2 LT	557.1
19+42.7	20+71.4 LT	601.0
19+74.7	20+75.7 RT	542.5
21+25.5	21+43.4 RT	157.6
21+24.0	22+52.3 LT	604.1
21+79.0	22+05.9 RT	105.5
22+43.7	22+53.7 RT	38.3
22+65.9	23+96.2 RT	573.3
22+64.2	23+99.3 LT	590.6
24+52.6	24+66.9 LT	150.1
24+62.0	25+81.2 RT	605.0
26+17.3	27+41.2 RT	735.8
27+01.5	27+42.3 LT	412.1
27+97.9	30+93.7 RT	1713.9
28+01.1	30+27.2 LT	1551.3
TOTAL		11884.1

STATION TO STATION	OFFSET	QUANTITY FOOT
11+87.4	14+18.7 LT	254.2
11+86.5	14+21.3 RT	252.4
14+56.1	15+74.2 RT	136.1
14+55.7	17+54.5 LT	350.8
17+91.1	20+79.8 LT	347.6
19+74.9	20+81.8 RT	128.4
21+16.5	24+06.1 LT	342.6
21+15.3	24+10.6 RT	341.9
24+48.8	27+45.1 LT	350.6
24+45.2	27+49.7 RT	409.2
27+96.5	31+10.0 LT	336.1
29+95.3	31+10.0 RT	354.4
TOTAL		3604.4

ALIGNMENT	OFFSET OF MAINLINE	TON
MAIN	EAST	15.3
	WEST	23.8
JEFFERSON	EAST	22.8
	WEST	27.2
JACKSON	EAST	25.4
	WEST	18.8
NORTH	EAST	38.5
	WEST	41.8
CHAPIN	EAST	22.3
	WEST	28.2
BENTON	WEST	60.3
TOTAL		324.4

ITEM	QUANTITY SQ. YD.	
COMBINATION CONCRETE CURB & GUTTER	1118.2	
HOT MIX ASPHALT RESURFACING	16616.1	
PCC DRIVEWAY PAVEMENT	393.6	
PCC SIDEWALK & RAMPS	1521.9	
ISLAND PAVEMENT	40.5	
TOTAL		19690.3

STATION TO STATION	OFFSET	QUANTITY SQ. YD.
13+08	14+00 LT	35.1
14+73	17+37 LT	102.7
NW QUAD. OF JACKSON ST.		60.8
TOTAL		198.6

LOCATION	QUANTITY SQ. FT.	
WEST BENTON ISLAND	241.0	
EAST BENTON ISLAND	252.4	
TOTAL		493.4

STATION TO STATION	OFFSET	QUANTITY SQ. YD.
10+63.0	11+67.4 LEFT	87.91
13+96.4	14+03.5 LEFT	44.63
14+02.0	14+62.0 NONE	55.20
17+48.0	17+96.1 LEFT	50.73
18+15.2	18+22.6 NONE	42.49
20+74.9	21+23.8 LEFT	43.74
23+71.2	23+78.6 NONE	42.64
23+97.3	24+49.3 RIGHT	36.83
24+02.4	24+52.2 LEFT	36.75
26+30.4	26+37.0 NONE	39.80
27+14.2	27+28.5 NONE	55.18
27+33.9	27+95.4 RIGHT	53.63
28+21.3	28+28.4 NONE	68.64
29+21.7	29+28.0 NONE	36.48
30+21.2	30+28.5 NONE	42.29
TOTAL		736.94

STATION TO STATION	OFFSET	QUANTITY SQ. FT.
16+12.38	17+41.20 LT	773.9
21+24.77	22+53.61 LT	811.8
22+65.74	23+97.50 RT	788.4
TOTAL		2374.1

ALIGNMENT	STATION TO STATION	SO. YD.
IL 47	11+86.5 31+10.0	12756.2
W. JEFFERSON	9+33.7 9+69.0	194.2
E. JEFFERSON	10+00.0 10+58.8	162.8
W. JACKSON	9+33.4 9+66.1	181.6
E. JACKSON	10+00.0 10+50.2	134.0
W. NORTH	9+19.8 9+68.6	274.8
E. NORTH	10+00.0 10+92.5	298.5
W. CHAPIN	9+37.8 9+70.0	201.6
E. CHAPIN	10+00.0 10+59.0	159.3
W. BENTON	9+20.0 9+70.0	431.0
E. BENTON	10+00.0 11+34.2	665.2
TOTAL		15459.3

LOCATION	QUANTITY SQ. FT.	
28+21.0	31+10.0	498.8
BENTON W. ISLAND	241.0	
BENTON E. ISLAND	252.4	
TOTAL		992.2

LOCATION	QUANTITY SQ. YD.	
13+28.54	RT	30.3
TOTAL		30.3

STATION	OFFSET	QUANTITY SQ. YD.
12+20.97	LT	31.3
12+60.10	RT	40.7
12+69.88	LT	41.4
12+97.76	LT	49.9
13+28.54	RT	38.4
16+04.99	LT	42.7
19+35.93	LT	25.9
21+73.37	RT	50.3
22+29.62	RT	69.6
22+59.07	LT	27.3
22+59.94	RT	30.2
25+99.24	RT	73.6
WEST	RT	6.8
JEFFERSON	LT	1.7
JEFFERSON	LT	31.2
EAST	LT	31.2
NORTH	LT	31.2
TOTAL		561.0

STATION TO STATION	OFFSET	QUANTITY FOOT
11+88.7	14+16.7 LT	255.2
11+87.9	14+19.4 RT	249.7
14+58.1	17+57.7 RT	326.4
14+57.1	17+52.7 LT	342.4
17+92.9	20+77.8 LT	348.7
17+92.9	20+85.2 RT	346.2
21+18.0	24+04.5 LT	348.0
24+50.4	27+43.2 LT	343.5
24+47.0	27+47.7 RT	403.4
WEST BENTON ISLAND	N/A	79.0
EAST BENTON ISLAND	N/A	77.5
28+20.7	31+10.0 CENTER MEDIAN	580.0
27+97.4	31+10.0 RT	350.2
27+98.5	31+10.0 LT	332.9
TOTAL		4383.1

LOCATION	QUANTITY SQ. FT.		
10+90.83 BENTON ST.	28+84.87 IL 47	RT	797
TOTAL		797	

STATION	OFFSET	QUANTITY SQ. YD.
12+20.97	LT	27.9
12+60.10	RT	37.9
12+69.88	LT	42.4
12+97.76	LT	46.3
16+04.99	LT	33.8
19+35.93	LT	18.2
22+29.62	RT	40.8
22+59.07	LT	26.7
22+59.94	RT	28.5
25+99.24	RT	51.3
WEST	RT	7.4
JEFFERSON	LT	2.0
JEFFERSON	LT	30.9
EAST	LT	30.9
NORTH	LT	30.9
TOTAL		394.2

NO.	NAME	DATE
1	IDOT	5-15-08

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	RUNDY	85	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

60405740, 60500040, 60500060 MANHOLE, INLET, FRAME AND GRATE REMOVAL				
LOCATION	FRAMES AND GRATES	MANHOLES	INLETS	
STATION	OFFSET	60405740	60500040	60500060
1239	LEFT		1	
1241	LEFT	1		1
1241	RIGHT	1		1
1241	RIGHT		1	
1457	LEFT	1		1
1476	LEFT		1	
1488	LEFT	1		1
1488	RIGHT	1		1
1621	LEFT		1	
1630	LEFT	1		1
1630	RIGHT	1		1
1751	LEFT	1		1
1798	LEFT	1		1
1804	RIGHT	1		1
1819	LEFT		1	
1897	LEFT		1	
1900	LEFT	1		1
1900	RIGHT	1		1
2044	LEFT		1	
2078	LEFT	1		1
2118	LEFT	1		1
2190	LEFT		1	
2245	LEFT	1		1
2291	RIGHT	1		1
2299	RIGHT	1		1
2300	LEFT	1		1
2626	LEFT	1		1
2627	RIGHT	1		1
2633	LEFT	1		1
2635	RIGHT	1		1
2797	RIGHT	1		1
2807	RIGHT		1	
2889	RIGHT		1	
2890	LEFT	1		1
2890	RIGHT	1		1
2950	RIGHT		1	
TOTAL		25	11	25

60608600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06			
LOCATION	OFFSET	QUANTITY	
ENTRANCE		FOOT	
16+04.99	LT	22.5	
22+59.94	RT	10.2	
22+59.08	LT	18.7	
WEST BENTON ISLAND	LT	30.9	
EAST BENTON ISLAND	RT	24.1	
TOTAL		106.4	

78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"			
LOCATION	APPLICATION	QUANTITY	
STATION TO STATION		FOOT	
10+56.3	13+97.5	SKIP DASH	300.0
14+77.5	17+32.5	SKIP DASH	280.0
18+15.5	20+54.5	SKIP DASH	160.0
21+45.0	23+84.5	SKIP DASH	160.0
24+71.0	27+25.5	SKIP DASH	160.0
27+95.0	31+10.0	SKIP DASH	140.0
MAIN	CROSSWALK	529.4	
JEFFERSON	CROSSWALK	496.0	
JACKSON	CROSSWALK	495.3	
NORTH	CROSSWALK	518.7	
CHAPIN	CROSSWALK	510.6	
BENTON	CROSSWALK	560.4	
TOTAL		4310.6	

78100100 RAISED REFLECTIVE PAVEMENT MARKER		
LOCATION	QUANTITY	
STATION TO STATION	EACH	
11+38.4	13+97.5	28
14+77.5	17+32.5	28
18+15.5	20+54.5	30
21+45.0	23+84.5	30
24+71.0	27+25.5	30
27+95.0	31+10.0	35
NORTH		3
BENTON		7
TOTAL		191

60625800 ISLAND PAVEMENT (SPECIAL)			
LOCATION	OFFSET	QUANTITY	
ISLAND		SO. YD.	
WEST BENTON ISLAND	LT	18.3	
EAST BENTON ISLAND	RT	22.2	
TOTAL		40.5	

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"			
LOCATION	QUANTITY		
STATION TO STATION	FOOT		
10+56.3	10+65.0	8.7	
18+94.5	20+54.5	116.0	
21+45.0	23+05.0	116.0	
25+55.5	27+25.5	126.0	
27+95.0	30+16.67	143.0	
MAIN INTERSECTION		18.5	
NORTH INTERSECTION		62.0	
BENTON INTERSECTION		64.0	
EAST BENTON ISLAND		86.2	
WEST BENTON ISLAND		85.9	
TOTAL		826.3	

78200300 PRISMATIC CURB REFLECTOR		
LOCATION	QUANTITY	
	EACH	
WEST BENTON ISLAND		8
EAST BENTON ISLAND		8
TOTAL		16

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS				
LOCATION	NO. OF	QUANTITY		
STATION TO STATION	ARROWS	SO. FT.		
11+38.4	13+97.5	4	62.4	
14+77.5	17+32.5	4	62.4	
18+15.5	20+54.5	5	78.0	
21+45.0	23+84.5	5	78.0	
24+71.0	27+25.5	5	78.0	
27+95.0	31+10.0	3	46.8	
TOTAL			405.6	

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
LOCATION	QUANTITY	
STATION TO STATION	EACH	
11+38.4	31+10.0	165
TOTAL		165

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24			
LOCATION	OFFSET	QUANTITY	
STATION TO STATION		FOOT	
11+88.7	14+16.7	LT	248.8
11+86.5	14+19.3	RT	246.2
14+58.9	17+52.5	LT	329.5
14+58.0	17+57.7	RT	325.0
17+93.1	20+77.7	LT	330.1
17+92.9	20+85.0	RT	342.9
21+18.5	24+04.1	LT	335.0
21+14.7	24+08.6	RT	350.5
24+50.8	27+43.1	LT	335.8
24+47.2	27+47.6	RT	385.3
27+98.5	31+10.0	LT	332.0
27+97.9	31+10.0	RT	347.6
WEST BENTON ISLAND	LT		30.9
EAST BENTON ISLAND	RT		35.0
TOTAL			3974.6

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
LOCATION	QUANTITY		
STATION TO STATION	FOOT		
10+56.3	10+65.0	17.3	
11+41.5	13+97.5	512.0	
14+77.5	17+32.5	510.0	
18+15.5	20+54.5	478.0	
21+45.0	23+84.5	479.0	
24+71.0	27+15.5	489.0	
28+04.5	31+10.0	1017.3	
MAIN ST. INTERSECT.		24.2	
NORTH ST. MEDIAN		406.6	
BENTON		215.8	
TOTAL		4149.2	

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"		
LOCATION	QUANTITY	
	FOOT	
MAIN MEDIAN		16.2
NORTH MEDIAN		3.8
BENTON WEST ISLAND		20.7
BENTON EAST ISLAND		21.4
IL 47 MEDIAN		52.1
CROSSWALK TRAVERSING		543
TOTAL		657.2

XX005565 REMOVE AND RESET BRICK PAVERS		
LOCATION	QUANTITY	
	SO. FT.	
NE QUAD NORTH ST.		211.0
SW QUAD CHAPIN ST.		34.2
NW QUAD CHAPIN ST.		31.5
SW QUAD BENTON ST.		13.2
TOTAL		289.9

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
LOCATION	QUANTITY	
INTERSECTION	FOOT	
JEFFERSON		26.3
JACKSON		72.8
NORTH		123.1
CHAPIN		77.0
BENTON		159.2
TOTAL		458.4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	11
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

25200110 SODDING, SALT TOLERANT			
LOCATION		OFFSET	QUANTITY SQ. YD.
STATION TO STATION			
11+87	12+00	LEFT	3.4
11+89	12+06	LEFT	1.0
12+36	12+64	LEFT	10.7
12+75	12+90	LEFT	23.5
13+05	14+02	LEFT	17.1
13+42	13+97	LEFT	8.2
14+07	14+14	LEFT	5.9
14+59	14+68	LEFT	6.6
14+74	15+96	LEFT	41.4
16+11	16+15	LEFT	1.1
16+17	17+33	LEFT	24.8
17+23	17+36	LEFT	1.2
17+41	17+52	LEFT	6.0
17+94	19+29	LEFT	39.0
19+42	20+66	LEFT	36.0
18+13	19+24	LEFT	23.9
19+47	20+51	LEFT	22.0
20+71	20+77	LEFT	5.8
21+19	21+25	LEFT	6.5
21+45	22+49	LEFT	22.1
22+30	22+51	LEFT	5.8
22+66	23+88	LEFT	28.8
22+70	23+85	LEFT	24.7
23+93	24+03	LEFT	10.8
24+51	24+67	LEFT	6.1
24+67	27+17	LEFT	140.1
27+04	27+34	LEFT	13.0
27+34	27+43	LEFT	2.3
27+99	31+10	LEFT	68.1
28+07	31+10	LEFT	58.0
11+87	12+39	RIGHT	8.3
11+87	12+45	RIGHT	5.7
12+75	13+17	RIGHT	8.2
12+81	13+12	RIGHT	6.5
13+46	14+00	RIGHT	11.2
13+40	14+04	RIGHT	5.4
14+10	14+19	RIGHT	5.6
14+58	14+63	RIGHT	2.8
14+68	15+74	RIGHT	40.5
19+75	20+56	RIGHT	17.1
19+75	20+68	RIGHT	29.9
20+73	20+84	RIGHT	15.8
21+15	21+26	RIGHT	23.0
21+31	22+18	RIGHT	22.7
21+40	22+12	RIGHT	15.2
22+39	22+54	RIGHT	3.2
22+47	22+49	RIGHT	0.1
22+68	22+68	RIGHT	0.4
22+71	23+89	RIGHT	25.4
23+97	24+08	RIGHT	7.8
24+48	24+62	RIGHT	6.4
24+66	25+76	RIGHT	23.4
24+67	25+81	RIGHT	8.9
26+17	27+31	RIGHT	26.2
26+22	27+09	RIGHT	18.3
27+36	27+47	RIGHT	15.0
28+05	31+10	RIGHT	132.3
TOTAL			1149.1

25200200 SUPPLEMENTAL WATERING (UNIT)			
LOCATION		OFFSET	QUANTITY UNIT
STATION TO STATION			
11+87	12+00	LEFT	0.1
11+89	12+06	LEFT	0.1
12+36	12+64	LEFT	0.5
12+75	12+90	LEFT	1.0
13+05	14+02	LEFT	0.8
13+42	13+97	LEFT	0.4
14+07	14+14	LEFT	0.3
14+59	14+68	LEFT	0.3
14+74	15+96	LEFT	1.9
16+11	16+15	LEFT	0.1
16+17	17+33	LEFT	1.0
17+23	17+36	LEFT	0.1
17+41	17+52	LEFT	0.3
17+94	19+29	LEFT	1.8
19+42	20+66	LEFT	1.6
18+13	19+24	LEFT	1.0
19+47	20+51	LEFT	1.0
20+71	20+77	LEFT	0.3
21+19	21+25	LEFT	0.3
21+45	22+49	LEFT	1.0
22+30	22+51	LEFT	0.3
22+66	23+88	LEFT	1.3
22+70	23+85	LEFT	1.0
23+93	24+03	LEFT	0.5
24+51	24+67	LEFT	0.3
24+67	27+17	LEFT	6.3
27+04	27+34	LEFT	0.6
27+34	27+43	LEFT	0.1
27+99	31+10	LEFT	3.0
28+07	31+10	LEFT	2.6
11+87	12+39	RIGHT	0.4
11+87	12+45	RIGHT	0.2
12+75	13+17	RIGHT	0.4
12+81	13+12	RIGHT	0.3
13+46	14+00	RIGHT	0.5
13+40	14+04	RIGHT	0.2
14+10	14+19	RIGHT	0.2
14+58	14+63	RIGHT	0.1
14+68	15+74	RIGHT	1.8
19+75	20+56	RIGHT	0.8
19+75	20+68	RIGHT	1.3
20+73	20+84	RIGHT	0.7
21+15	21+26	RIGHT	1.0
21+31	22+18	RIGHT	1.0
21+40	22+12	RIGHT	0.7
22+39	22+54	RIGHT	0.1
22+47	22+49	RIGHT	0.1
22+68	22+68	RIGHT	0.1
22+71	23+89	RIGHT	1.1
23+97	24+08	RIGHT	0.4
24+48	24+62	RIGHT	0.3
24+66	25+76	RIGHT	1.0
24+67	25+81	RIGHT	0.4
26+17	27+31	RIGHT	1.2
26+22	27+09	RIGHT	0.8
27+36	27+47	RIGHT	0.7
28+05	31+10	RIGHT	6.0
TOTAL			51.7

550A0340, 550A0380, 550A0410 STORM SEWERS, CLASS A, TYPE 2					
LOCATION			QUANTITY (FOOT)		
FROM	TO	OFFSET	12"	18"	24"
10+63	12+41	LEFT			173.6
12+41	12+41	LEFT	2.8		
12+41	14+00	LEFT			154.5
14+88	14+88	LEFT	5.0		
14+88	14+88	LEFT	3.0		
14+88	15+75	LEFT			70.3
15+75	15+75	LEFT	3.5		
15+75	16+31	LEFT			50.6
16+31	16+31	LEFT	2.7		
16+31	16+31	LEFT	5.1		
16+31	17+26	LEFT			90.1
17+26	17+26	LEFT	4.5		
18+19	19+00	LEFT		75.6	
19+00	19+00	LEFT	2.0		
19+00	19+00	LEFT	2.5		
20+00	20+00	LEFT	4.5		
20+00	20+75	LEFT		70.2	
20+75	20+75	LEFT		8.2	
23+00	23+00	LEFT	1.3		
23+00	23+00	LEFT	1.5		
23+00	23+75	LEFT	70.5		
23+75	23+75	LEFT	1.5		
23+75	24+01	LEFT	22.9		
26+24	26+34	LEFT	5.0		
26+34	27+25	LEFT		89	
27+97	28+06	RIGHT			4.6
28+06	28+25	RIGHT	28.2		
28+06	28+89	RIGHT			80.6
28+25	28+25	NONE	89.5		
28+89	29+25	RIGHT	67.6		
28+89	29+50	RIGHT			55.5
29+25	29+25	RIGHT	3.0		
29+25	29+25	NONE	58.2		
29+25	30+25	RIGHT	95.0		
30+25	30+25	RIGHT	3.0		
30+25	30+25	NONE	54.7		
29+50	31+30	RIGHT			175.0
TOTAL			539.4	243.0	854.8

550A2520, 550A2540, 550A2560 STORM SEWERS, RUBBER GASKET, CLASS A					
STATION			QUANTITY (FOOT)		
FROM	TO	OFFSET	12"	18"	24"
14+00	14+61	LEFT			57.0
14+61	14+88	RIGHT	27.5		
17+26	17+96	LEFT			69.4
19+00	20+00	LEFT		95.0	
20+75	22+47	LEFT	166.7		
22+50	23+00	LEFT	48.2		
23+75	23+75	NONE	57.0		
24+54	24+88	RIGHT	35.0		
25+25	26+24	LEFT	95.2		
27+17	28+06	RIGHT		84.6	
TOTAL			429.6	179.6	126.4

X0355800 X0930400 STORM SEWER WATER MAIN					
STATION			QUANTITY (FOOT)		
FROM	TO	OFFSET	24"	18"	12"
12+38	12+41	RIGHT			2.4
14+00	14+00	NONE			63.8
14+61	14+61	LEFT			3.3
14+61	14+88	LEFT	21.9		
14+88	15+75	RIGHT			83.0
16+30	17+24	RIGHT			90.6
17+96	17+96	LEFT			4.6
18+01	18+19	LEFT			18.0
18+18	18+18	NONE			2.0
18+19	18+19	NONE			58.8
20+00	20+00	NONE			60.0
22+47	22+47	LEFT			2.8
22+47	22+47	NONE			60.0
23+00	23+00	RIGHT			1.1
24+01	24+54	LEFT			49.9
24+88	25+25	RIGHT			37.0
25+25	25+25	NONE			60.0
26+27	26+34	RIGHT			2.0
26+34	26+34	NONE			57.2
27+17	27+25	NONE			74.3
TOTAL			21.9	74.3	656.5

25100630 EROSION CONTROL BLANKET			
LOCATION		OFFSET	QUANTITY SQ. YD.
STATION TO STATION			
25+25	26+25	LEFT	72.2
TOTAL			72.2

28000400 PERIMETER EROSION BARRIER			
LOCATION		OFFSET	QUANTITY FOOT
FROM	TO		
14+65	15+96	LEFT	131.6
26+61	27+23	RIGHT	62.8
28+28	31+10	RIGHT	283.1
28+29	31+10	LEFT	281.1
TOTAL			758.6

REVISIONS	
NAME	DATE
IDOT	5-15-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
IL ROUTE 47
GRUNDY COUNTY

SCALE: NONE
DATE: 09/2007
DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

55100500, 55100700, 55100900, 55101100, 55101200 STORM SEWER REMOVAL							
STATION			FOOT				
FROM	TO	OFFSET	12"	15"	18"	21"	24"
10+63	12+39	LEFT				175.7	
12+39	12+41	LEFT	5.2				
12+39	14+76	LEFT				237.7	
12+41	12+41	RIGHT	4.3				
14+57	14+76	LEFT	25.4				
14+76	14+88	LEFT	15.1				
14+76	16+21	LEFT			145.5		
16+21	16+30	LEFT	14.3				
16+21	18+19	LEFT			197.9		
17+51	17+98	LEFT	47.3				
17+98	18+19	LEFT	21.8				
18+04	18+19	NONE	74.3				
18+19	18+97	LEFT			78.8		
18+97	19+00	LEFT	9.0				
18+97	20+44	LEFT		146.1			
20+44	20+78	LEFT	41.8				
20+44	21+90	LEFT		146.6			
21+90	22+45	LEFT		57.0			
22+45	23+00	LEFT	55.1				
22+91	22+99	RIGHT	9.1				
26+25	26+33	LEFT	8.3				
26+27	26+35	RIGHT	7.9				
26+33	26+35	NONE	54.9				
26+35	28+07	RIGHT		177.3			
27+97	28+07	RIGHT	16.8				
28+07	28+89	RIGHT		87.7			
28+89	28+90	RIGHT	72.2				
28+89	29+50	RIGHT			60.5		
28+90	28+90	NONE	55.2				
29+50	31+30	RIGHT					180.1
TOTAL			538.0	614.7	482.7	413.4	180.1

60221100, 60221200, 60223810 MANHOLE, TYPE A				
LOCATION		EACH		
STATION	OFFSET	5' DIAMETER TYPE 1 FRAME, CLOSED LID	5' DIAMETER TYPE 3 FRAME AND GRATE	6' DIAMETER TYPE 3 FRAME AND GRATE
		60221100	60221200	60223810
12+41	LEFT	1		
12+41	LEFT		1	
12+42	RIGHT	1		
14+00	LEFT		1	
14+62	LEFT	1		
14+88	LEFT	1		
14+88	LEFT		1	
14+88	RIGHT		1	
15+75	LEFT	1		
16+31	LEFT	1		
16+31	LEFT		1	
16+30	RIGHT		1	
17+26	LEFT	1		
17+96	LEFT	1		
18+19	LEFT	1		
18+19	LEFT		1	
19+00	LEFT	1		
19+00	LEFT		1	
20+00	LEFT	1		
20+75	LEFT	1		
20+75	LEFT			1
21+20	LEFT		1	
22+50	LEFT	1		
23+00	LEFT	1		
23+00	LEFT		1	
23+75	LEFT	1		
23+75	LEFT		1	
25+30	RIGHT	1		
26+24	LEFT		1	
26+34	LEFT		1	
26+34	RIGHT		1	
27+17	RIGHT		1	
27+97	RIGHT		1	
28+06	RIGHT	1		
28+89	RIGHT	1		
29+25	RIGHT	1		
29+50	RIGHT	1		
30+25	RIGHT	1		
TOTAL		21	16	1

60235700, 60240220 INLETS			
LOCATION		EACH	
STATION	OFFSET	TYPE A TYPE 3 FRAME AND GRATE	TYPE B TYPE 3 FRAME AND GRATE
		60235700	60240220
12+39	RIGHT	1	
14+00	RIGHT	1	
14+61	LEFT	1	
14+61	RIGHT	1	
15+75	LEFT	1	
15+75	RIGHT	1	
17+24	RIGHT	1	
17+26	LEFT	1	
17+96	LEFT	1	
18+19	RIGHT	1	
19+00	RIGHT		1
20+00	LEFT	1	
20+00	RIGHT	1	
22+47	LEFT	1	
22+50	RIGHT	1	
23+00	RIGHT		1
23+75	RIGHT		1
24+01	LEFT		1
24+50	RIGHT	1	
24+54	LEFT	1	
25+25	LEFT	1	
25+25	RIGHT	1	
26+27	RIGHT		1
27+25	LEFT	1	
28+25	LEFT	1	
28+25	RIGHT		1
29+25	LEFT	1	
29+25	RIGHT		1
30+25	LEFT	1	
30+25	RIGHT		1
TOTAL		22	8

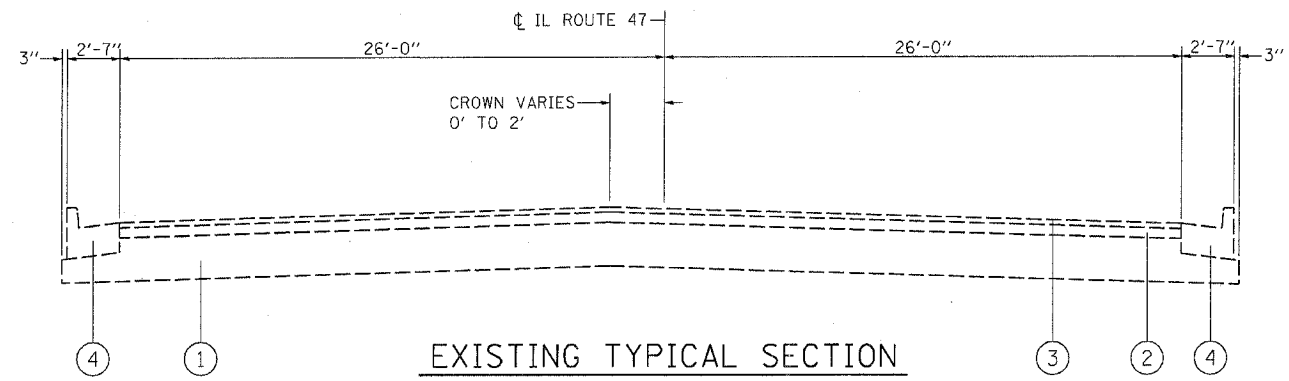
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IDOT	5-15-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 IL ROUTE 47
 GRUNDY COUNTY

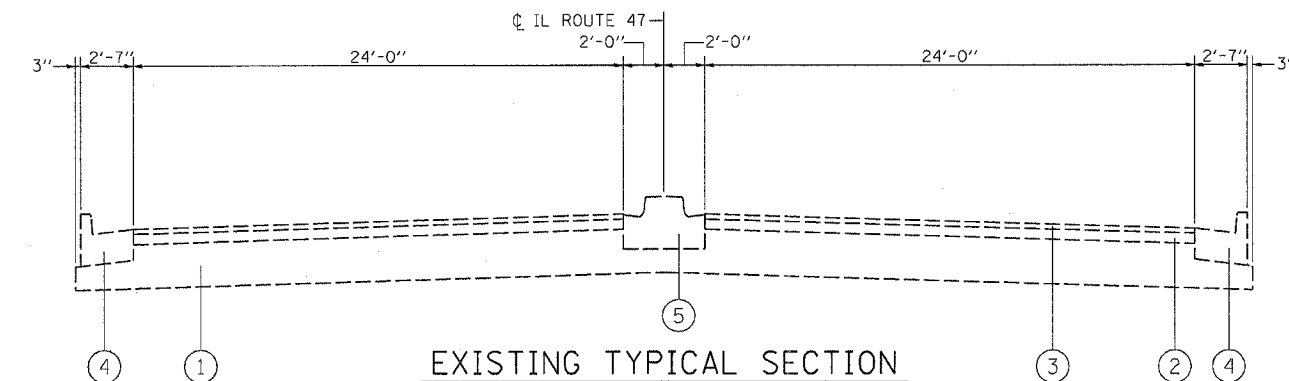
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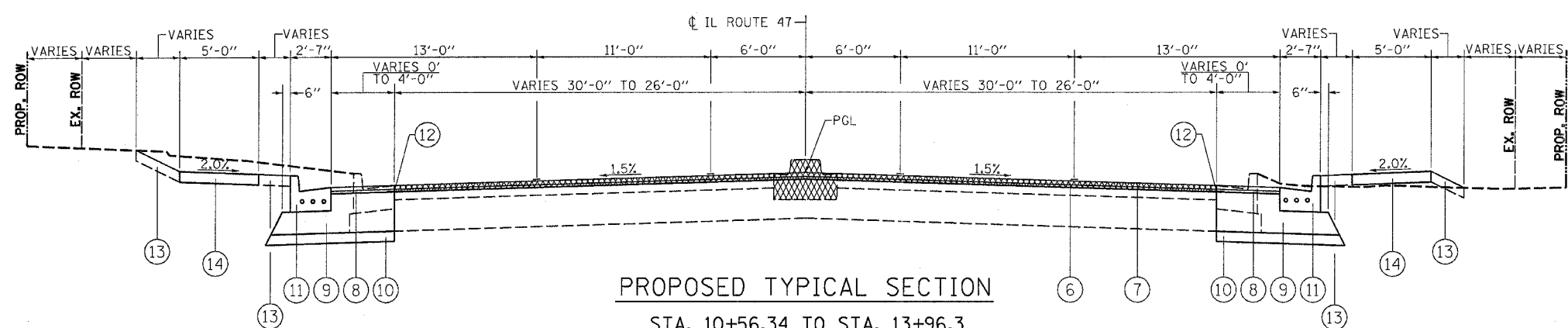
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



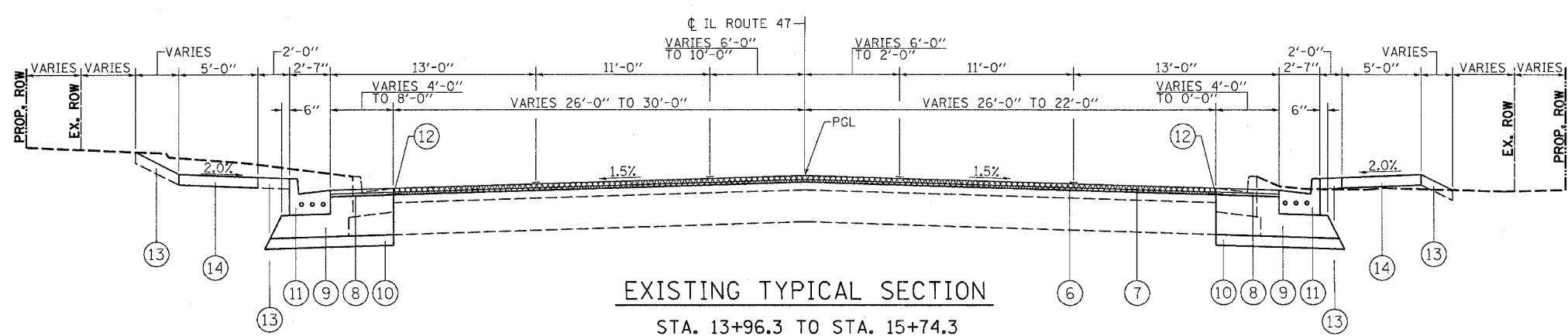
EXISTING TYPICAL SECTION
STA. 10+56.34 TO STA. 28+20.1



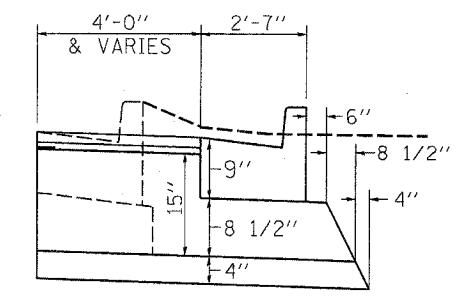
EXISTING TYPICAL SECTION
STA. 28+20.1 TO STA. 31+10.0



PROPOSED TYPICAL SECTION
STA. 10+56.34 TO STA. 13+96.3
STA. 21+34.9 TO STA. 29+10.0



EXISTING TYPICAL SECTION
STA. 13+96.3 TO STA. 15+74.3
STA. 19+74.9 TO STA. 21+34.9



WIDENING DETAIL
(REBAR OMITTED FROM C&G FOR CLARITY)

- LEGEND**
- ① EXISTING 13" BITUMINOUS BASE COURSE
 - ② EXISTING 3" BITUMINOUS BINDER COURSE
 - ③ EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER TY. B - 6.24
 - ⑤ EXISTING CONCRETE MEDIAN TY. SB - 6.12 *
 - ⑥ HMA SURFACE REMOVAL, VARIABLE DEPTH **
 - ⑦ PROPOSED 1 1/2" HMA SURFACE COURSE
 - ⑧ PROPOSED 1" LEVELING BINDER COURSE
 - ⑨ PROPOSED HMA BASE CSE. WID., VARIABLE DEPTH ***
 - ⑩ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 4"
 - ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER TY. B - 6.24
 - ⑫ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑬ TOPSOIL FURNISH AND PLACE, 4" (TYP.)
 - ⑭ PROPOSED PCC SIDEWALK 4"

- * RAISED MEDIAN STA. 28+20.1 TO 31+10.0 TO BE REMOVED
- ** VARIABLE DEPTH MILLING (2.5" AVG.) TO BE USED TO RELOCATE CROWN TO MIDDLE OF ROADWAY AS NECESSARY (SEE CROSS SECTIONS FOR EXISTING CROWN LOCATION)
- *** THE TOP LIFT OF BASE COURSE WIDENING SHALL BE A POLYMERIZED HMA IL 19.0 N90 BINDER MIX - MINIMUM THICKNESS OF 2 1/4".

REVISIONS	
NAME	DATE

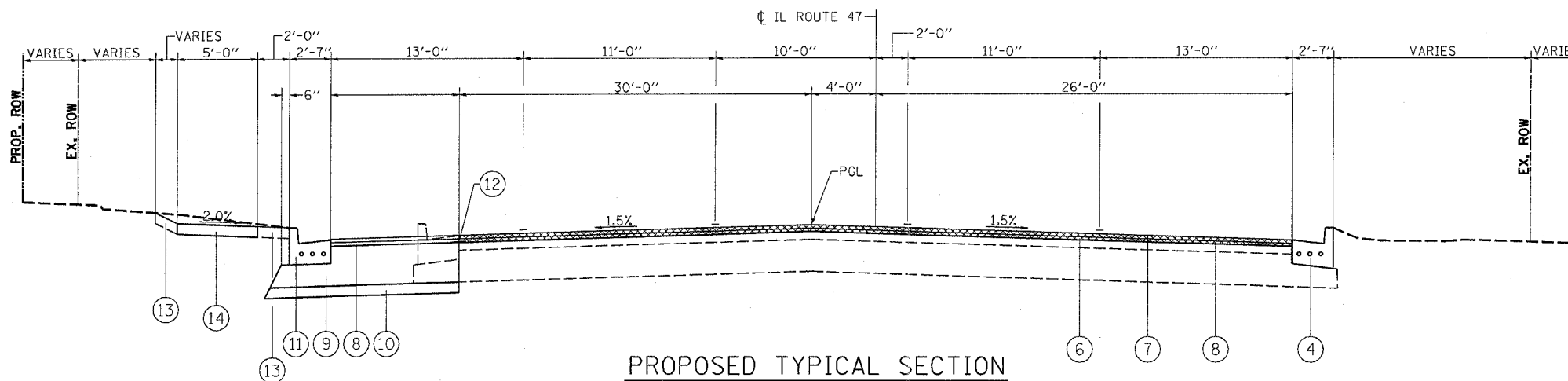
ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING AND PROPOSED TYPICAL SECTIONS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 08/2007

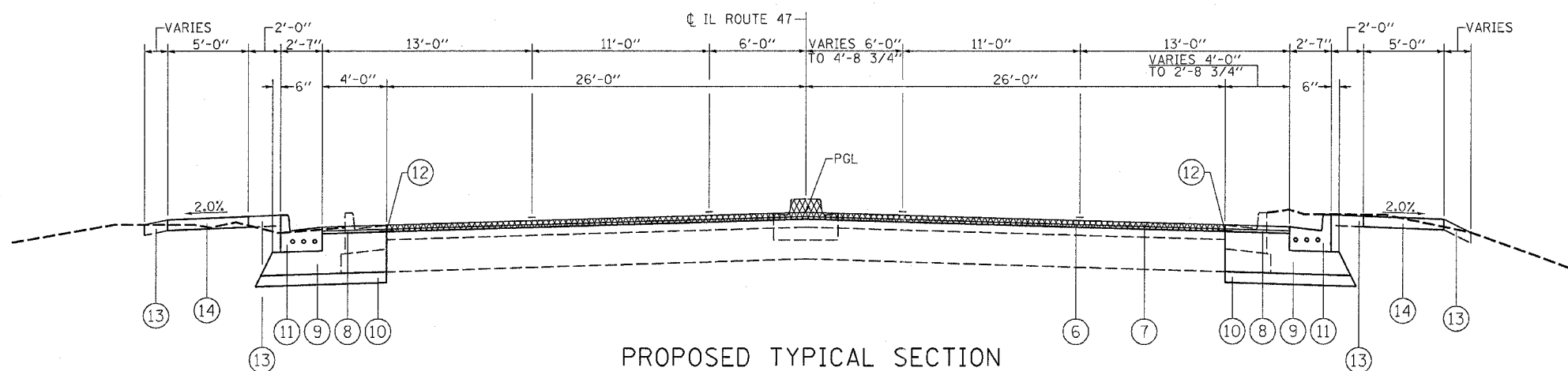
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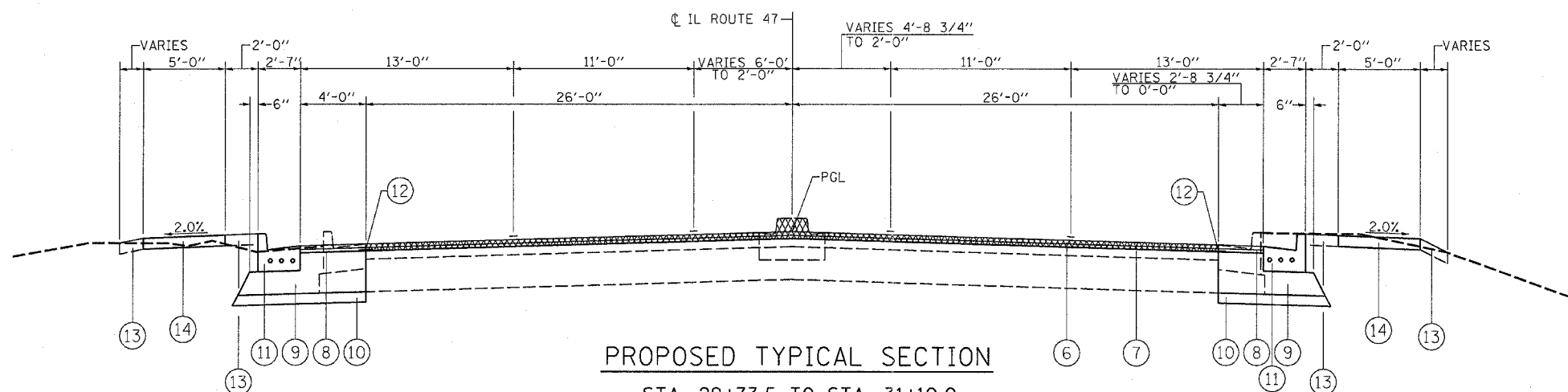
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION
STA. 15+74.3 TO STA. 19+74.9



PROPOSED TYPICAL SECTION
STA. 29+10.0 TO STA. 29+73.5



PROPOSED TYPICAL SECTION
STA. 29+73.5 TO STA. 31+10.0

LEGEND

- ① EXISTING 13" BITUMINOUS BASE COURSE
- ② EXISTING 3" BITUMINOUS BINDER COURSE
- ③ EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER TY. B - 6.24
- ⑤ EXISTING CONCRETE MEDIAN TY. SB - 6.12 *
- ⑥ HMA SURFACE REMOVAL, VARIABLE DEPTH **
- ⑦ PROPOSED 1 1/2" HMA SURFACE COURSE
- ⑧ PROPOSED 1" LEVELING BINDER COURSE
- ⑨ PROPOSED HMA BASE CSE. WID., VARIABLE DEPTH ***
- ⑩ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- ⑪ PROPOSED COMBINATION CONCRETE CURB AND GUTTER TY. B - 6.24
- ⑫ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑬ TOPSOIL FURNISH AND PLACE, 4" (TYP.)
- ⑭ PROPOSED PCC SIDEWALK 4"

* RAISED MEDIAN STA. 28+20.1 TO 31+10.0 TO BE REMOVED

** VARIABLE DEPTH MILLING (2.5" AVG.) TO BE USED TO RELOCATE CROWN TO MIDDLE OF ROADWAY AS NECESSARY (SEE CROSS SECTIONS FOR EXISTING CROWN LOCATION)

*** THE TOP LIFT OF BASE COURSE WIDENING SHALL BE A POLYMERIZED HMA IL 19.0 N90 BINDER MIX - MINIMUM THICKNESS OF 2 1/4"

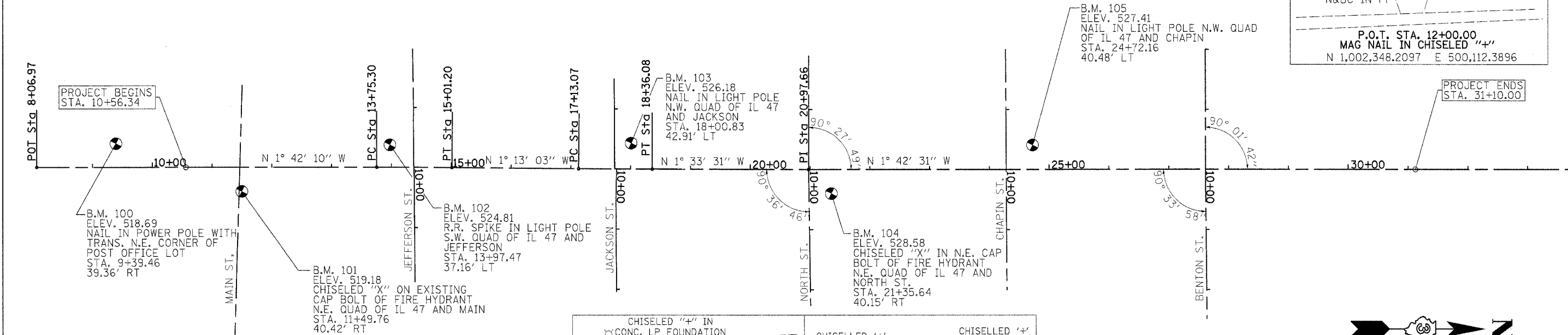
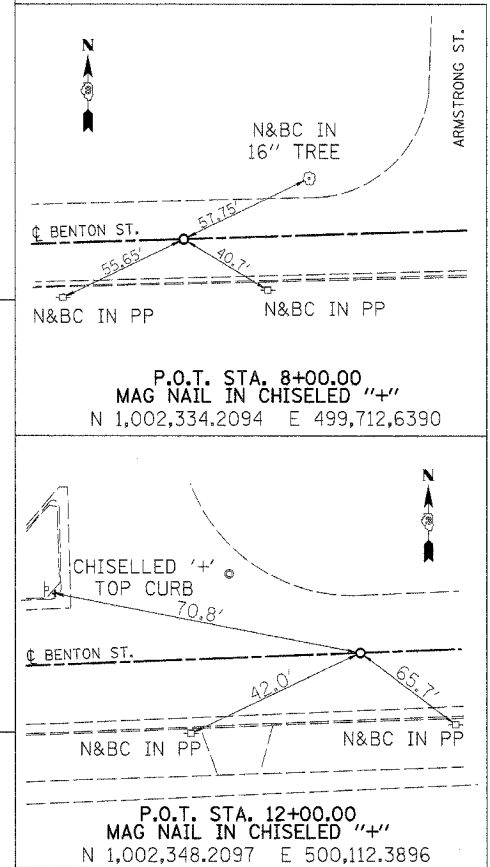
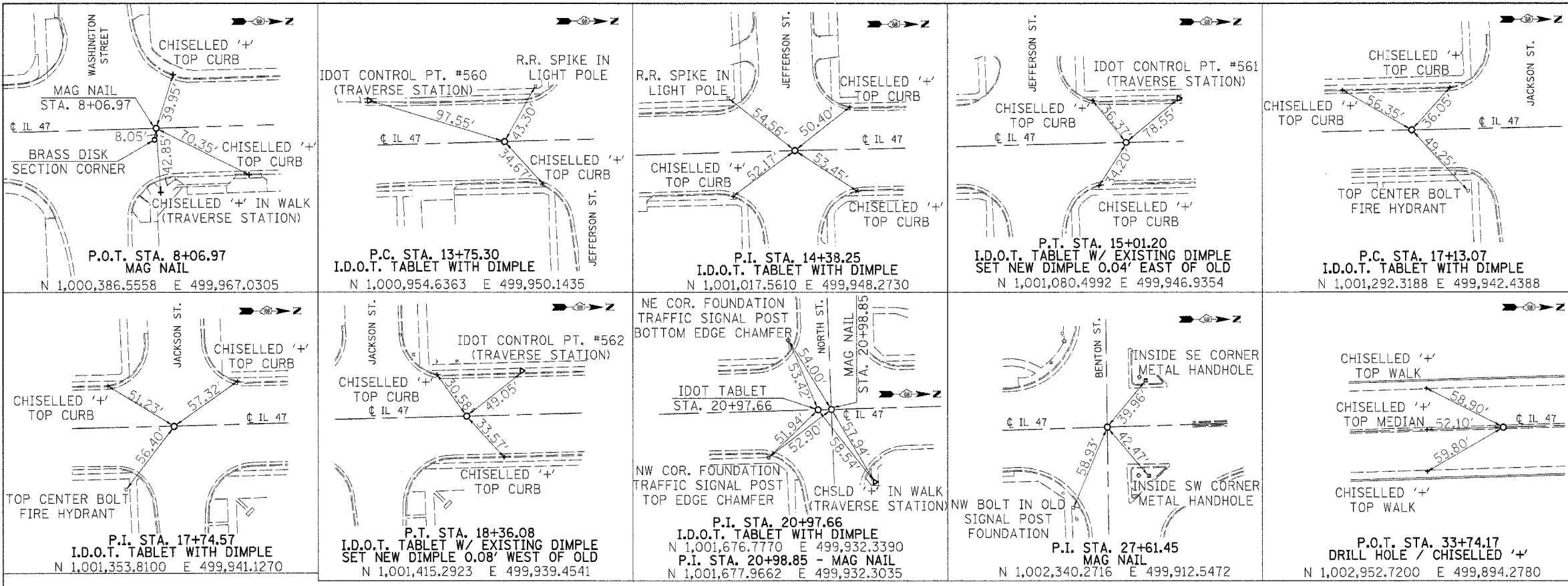
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL SECTIONS
IL ROUTE 47
GRUNDY COUNTY

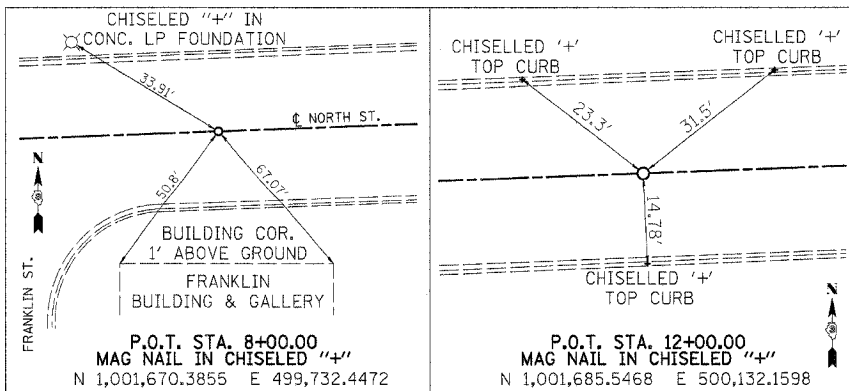
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DATE: 08/2007

DRAWN BY: KHH
CHECKED BY: FML

F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-21	GRUNDY	85	15
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



PROP. CURVE 47CL200-2	PROP. CURVE 47CL200-3
PI STA. = 14+38.25	PI STA. = 17+74.57
Δ = 0° 29' 07" (RT)	Δ = 0° 20' 28" (LT)
D = 0° 23' 07"	D = 0° 16' 38"
R = 14,867.06'	R = 20,657.99'
T = 62.95'	T = 61.51'
L = 125.90'	L = 123.01'
E = 0.13'	E = 0.09'
θ = ----	θ = ----
T.R. = ----	T.R. = ----
S.E. RUN = ----	S.E. RUN = ----
P.C. STA. = 13+75.30	P.C. STA. = 17+13.07
P.T. STA. = 15+01.20	P.T. STA. = 18+36.08



ALL BEARINGS SHOWN ARE BASED ON AN ASSUMED COORDINATE SYSTEM - PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE

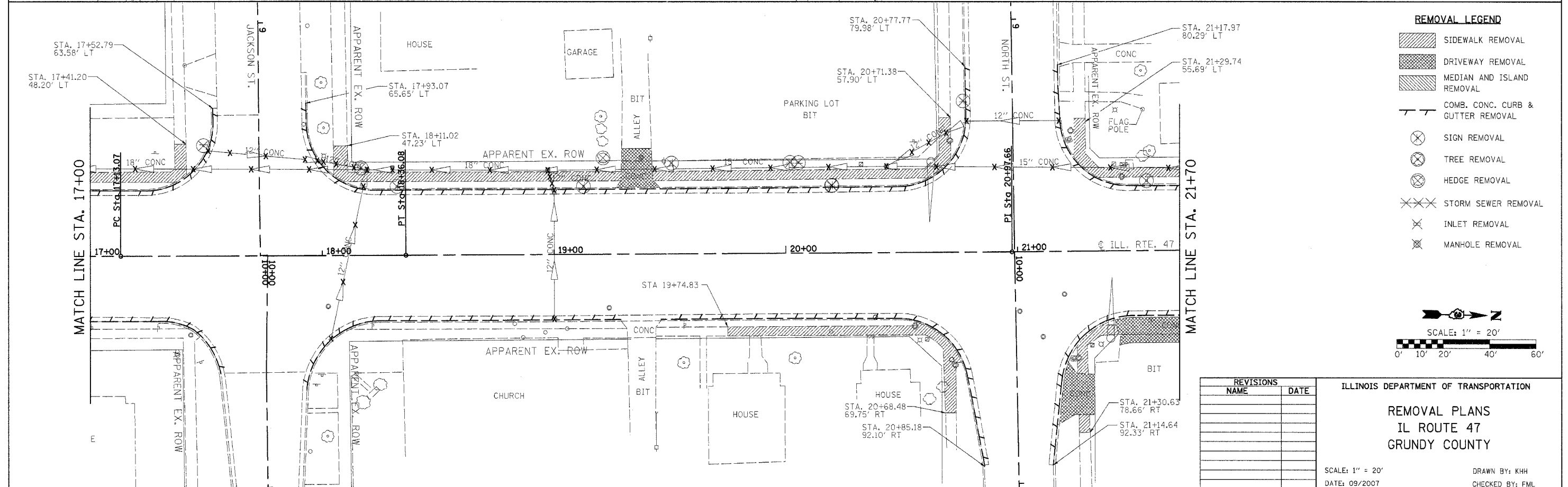
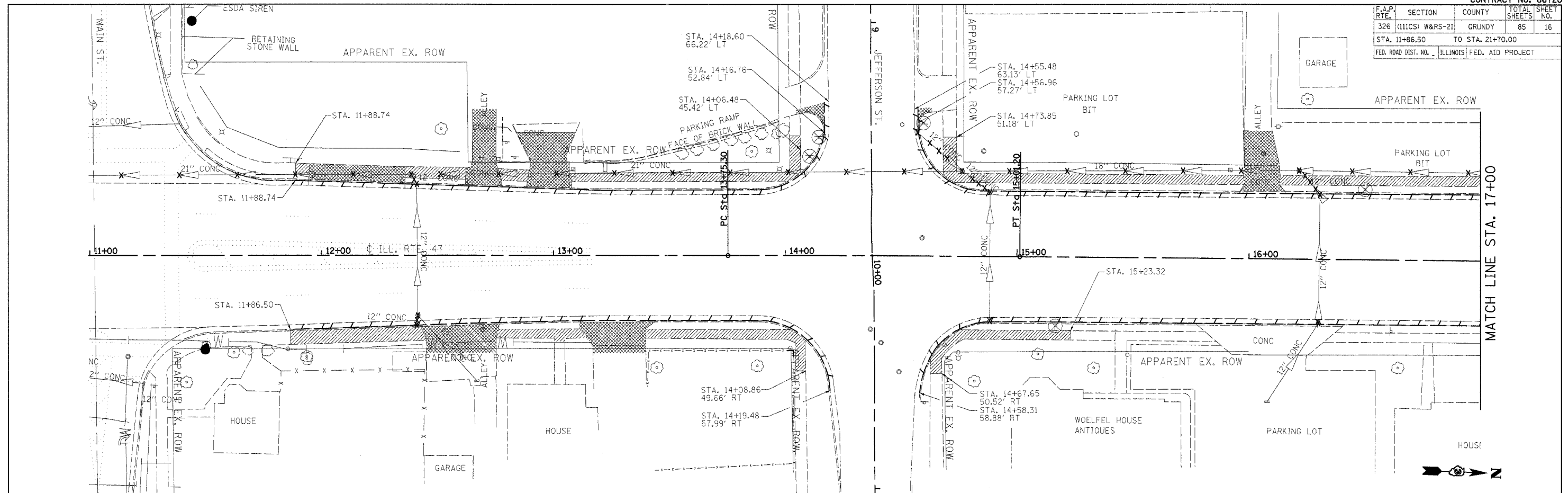
ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT, TIES, & BENCHMARKS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 08/2007

DRAWN BY: KHH
CHECKED BY: FML

IL ROUTE 47 - ALIGNMENT, TIES, & BENCHMARKS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-21		GRUNDY	85	16
STA. 11+86.50		TO STA. 21+70.00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

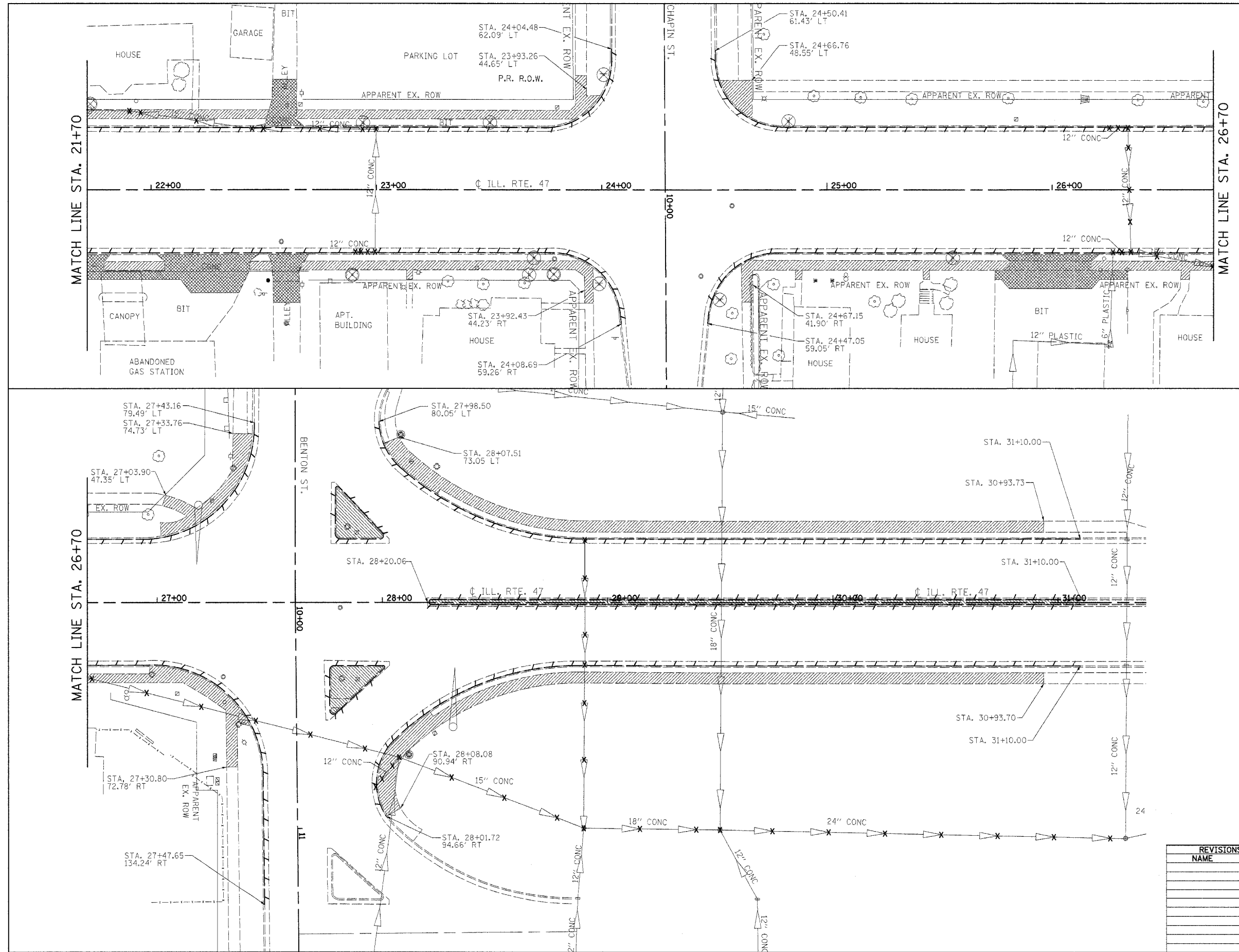
REMOVAL PLANS
IL ROUTE 47
GRUNDY COUNTY

SCALE: 1" = 20'
 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

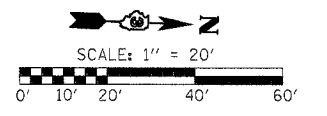
IL ROUTE 47 - REMOVAL PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	17
STA. 21+70.00		TO STA. 31+10.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL
- MEDIAN AND ISLAND REMOVAL
- COMB. CONC. CURB & GUTTER REMOVAL
- SIGN REMOVAL
- TREE REMOVAL
- HEDGE REMOVAL
- STORM SEWER REMOVAL
- INLET REMOVAL
- MANHOLE REMOVAL

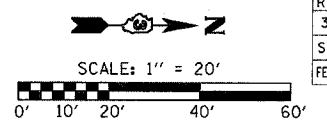


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
REMOVAL PLANS
IL ROUTE 47
GRUNDY COUNTY
 SCALE: 1" = 20'
 DATE: 09/2007
 DRAWN BY: KHH
 CHECKED BY: FML

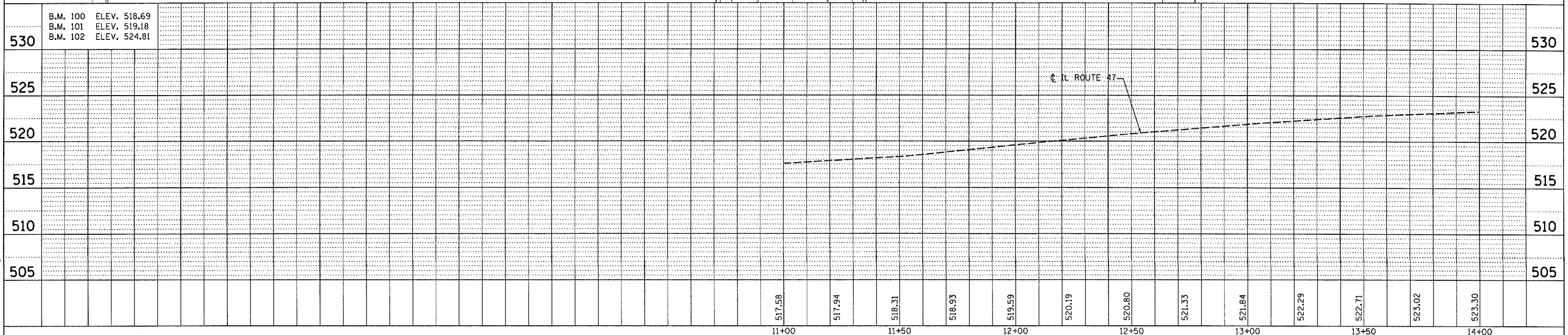
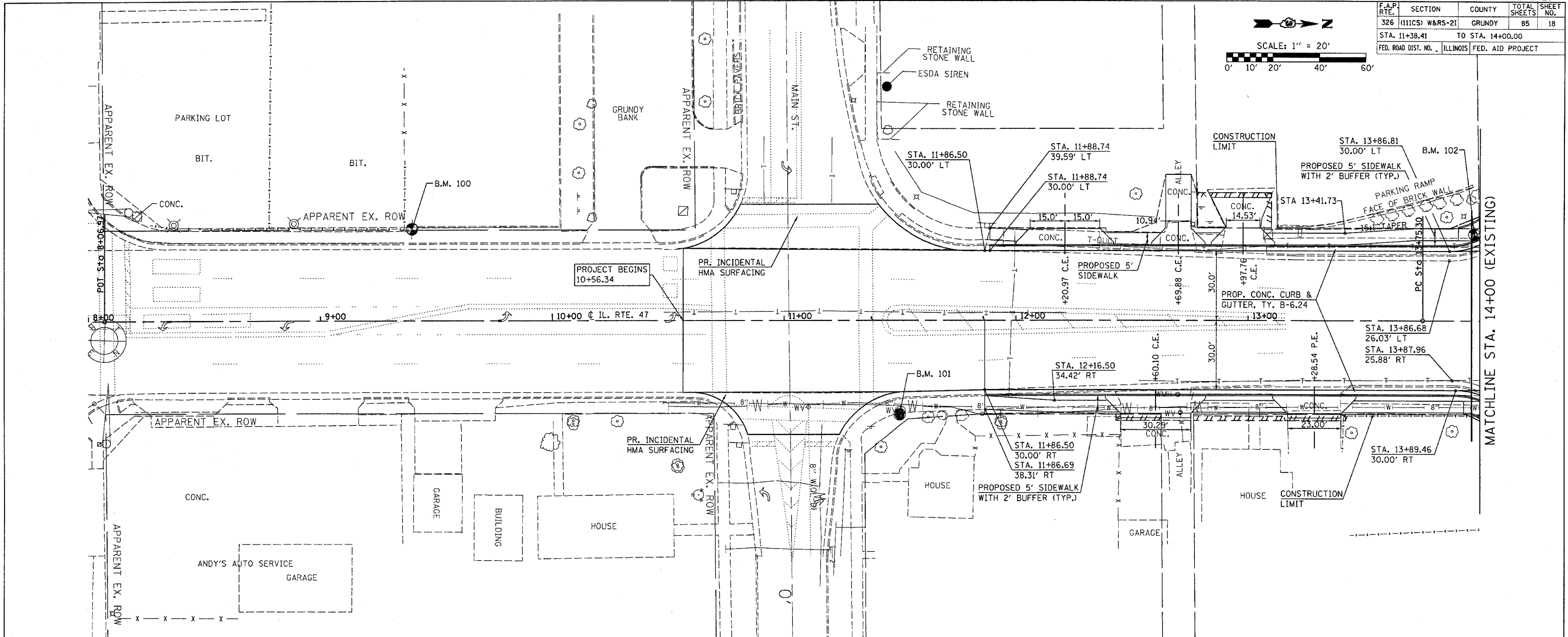
IL ROUTE 47 - REMOVAL PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-21		GRUNDY	85	18
STA. 11+38.41		TO STA. 14+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT



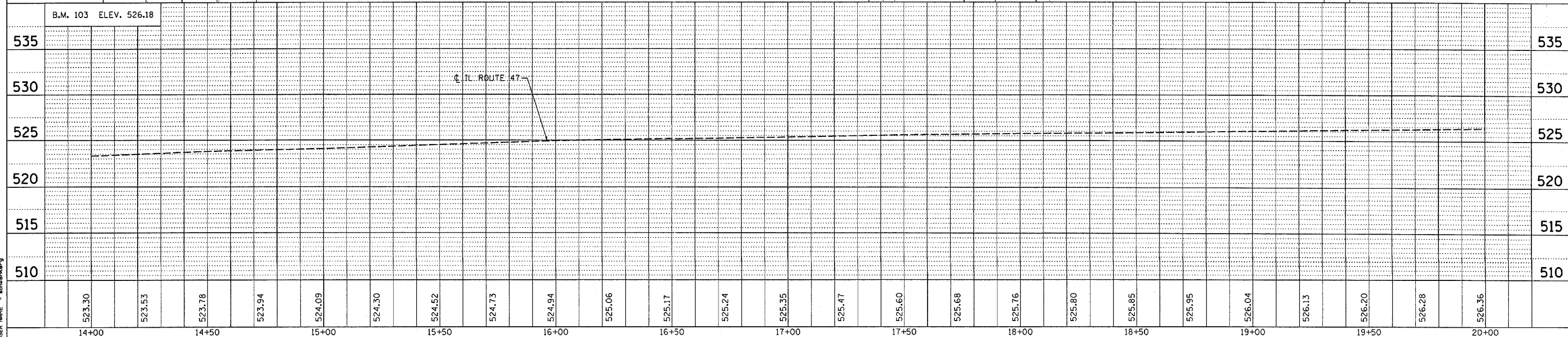
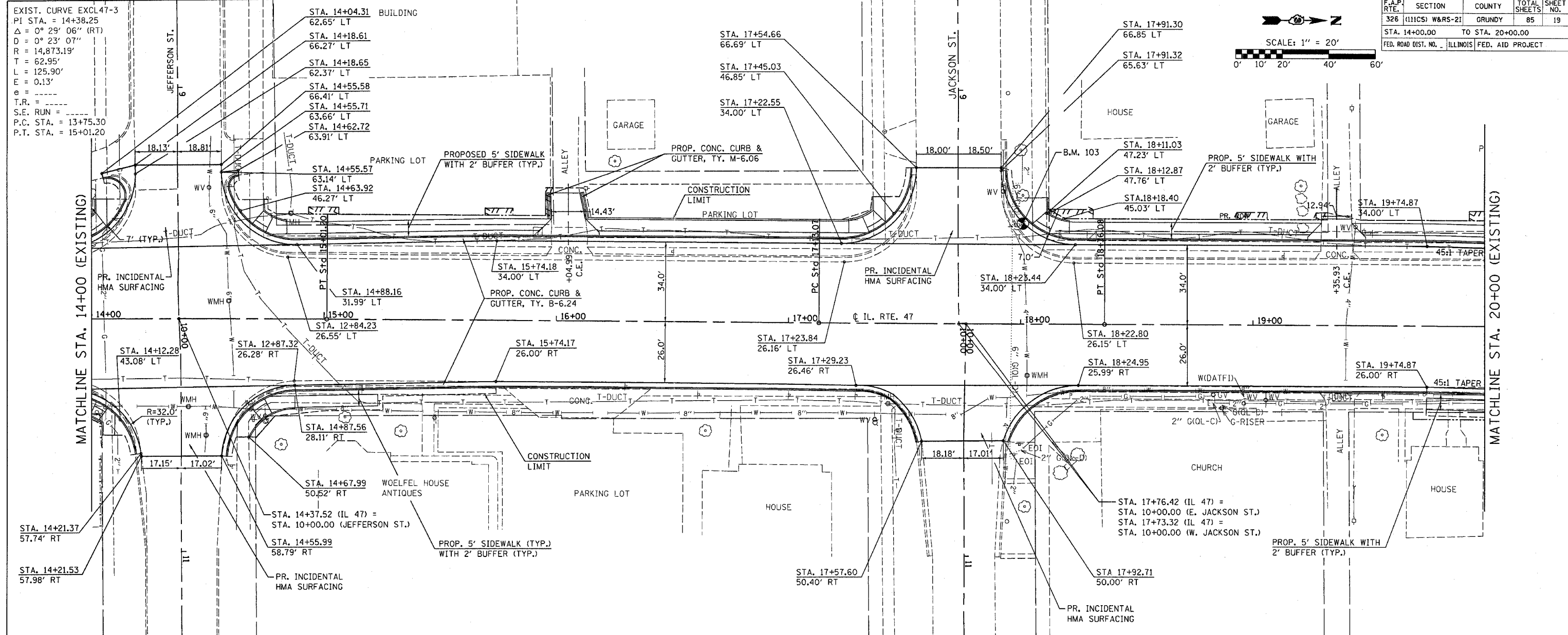
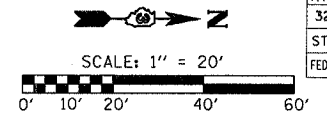
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	NOTE BOOK	
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	STRUCTURE	
	NOTATION	



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	19
STA. 14+00.00		TO STA. 20+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

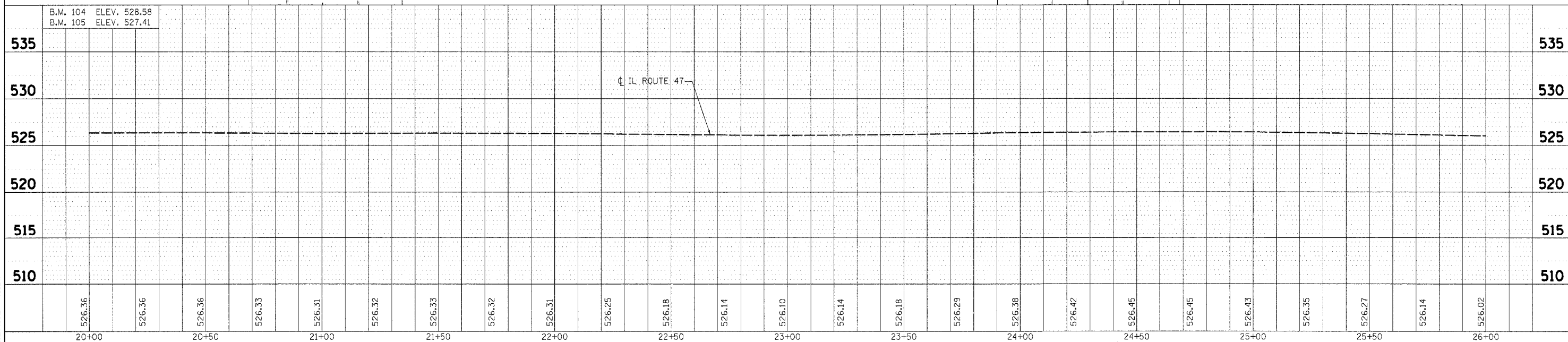
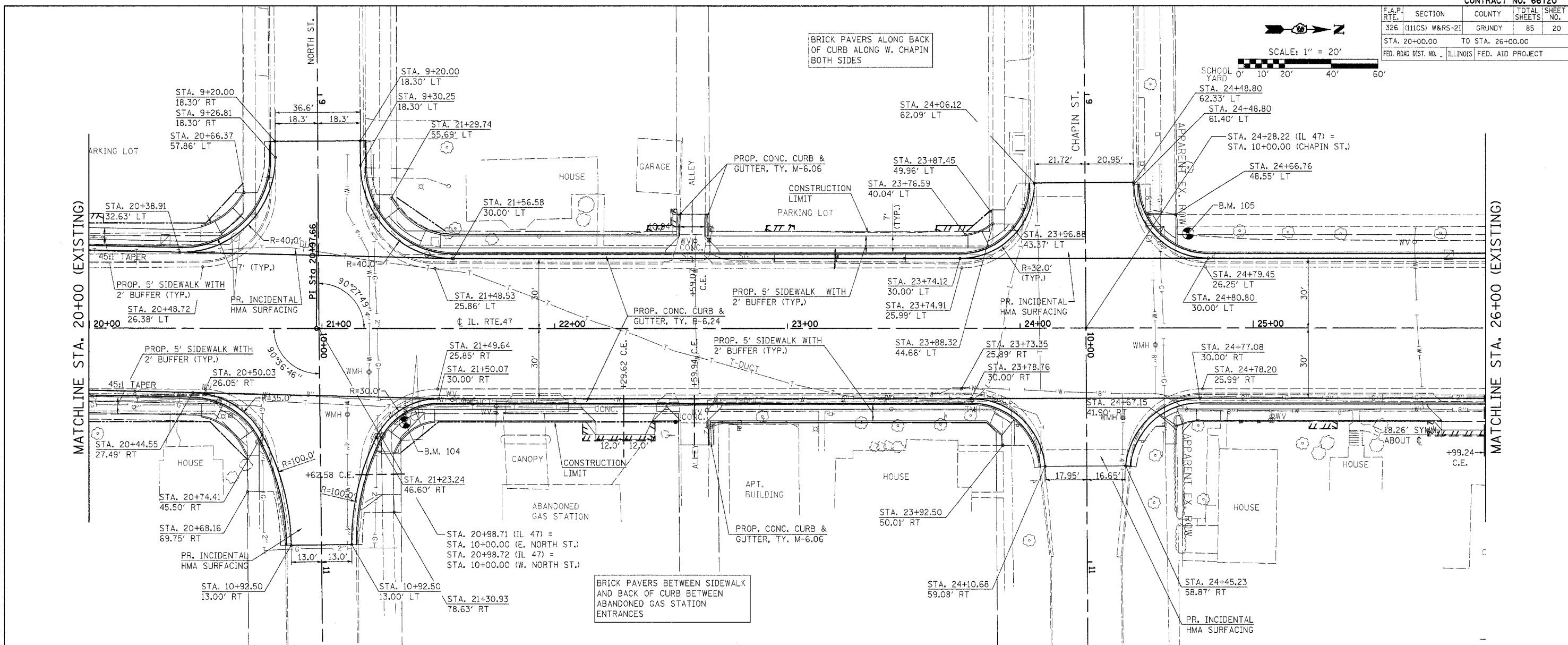
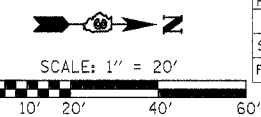


DATE	BY	REVISIONS
		1. PLAN
		2. REVISIONS
		3. CHECKED
		4. APPROVED

DATE	BY	REVISIONS
		1. PROFILE
		2. REVISIONS
		3. CHECKED
		4. APPROVED

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F.A.P.1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C) W&RS-21	GRUNDY	85	20
STA. 20+00.00		TO STA. 26+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT



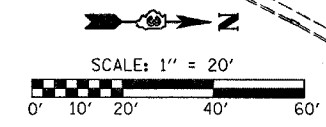
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DATE	BY

DATE	BY
DATE	BY

PLOT DATE = 08/15/08
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IL ROUTE 47 - PLAN & PROFILE SHEETS

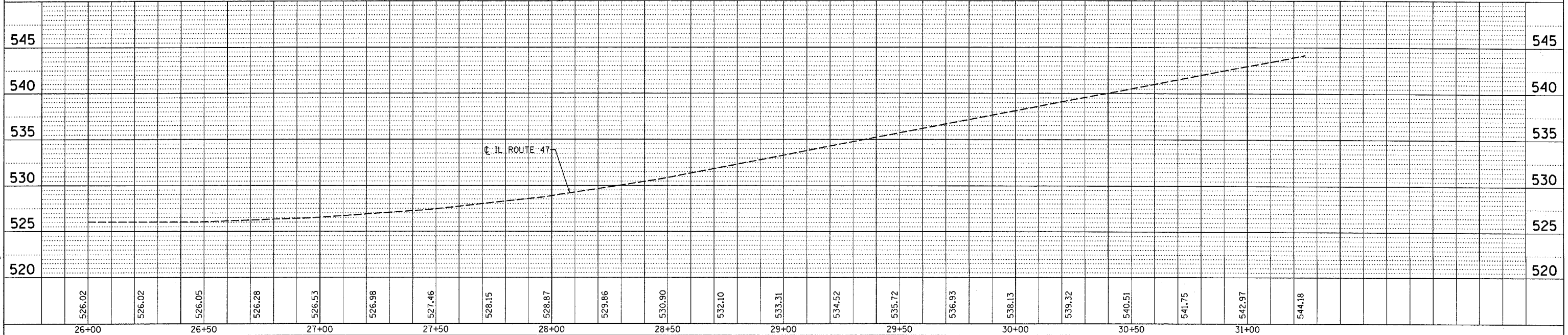
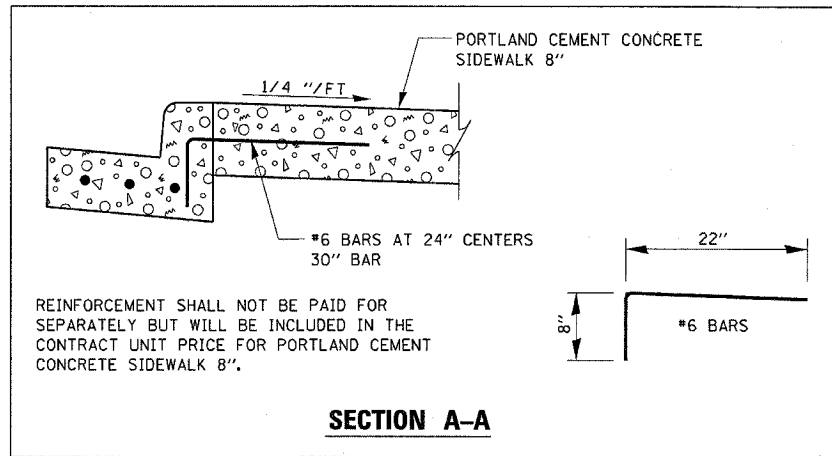
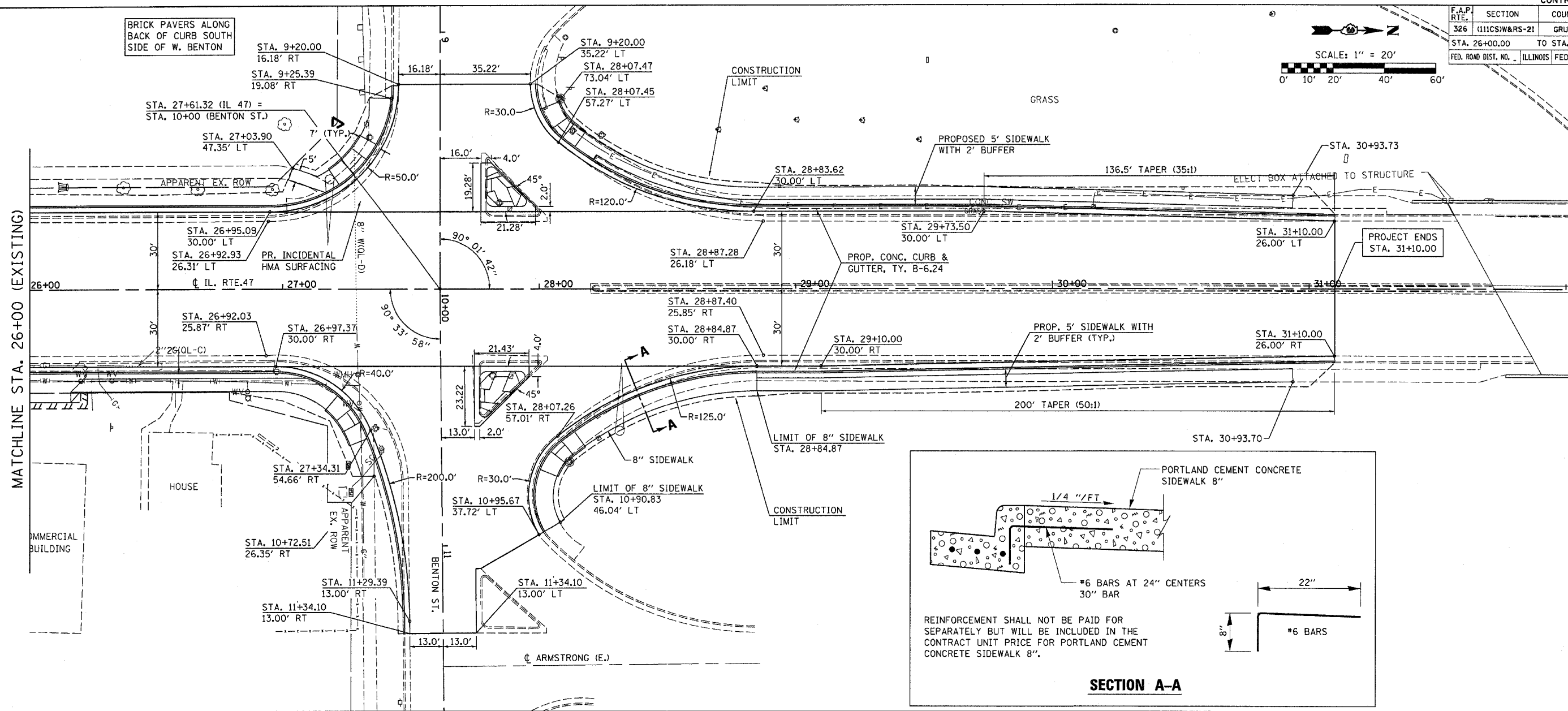
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-21	GRUNDY	85	21
STA. 26+00.00		TO STA. 31+10.00		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

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	PLOTTED	
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	BY	
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	FILE NAME	

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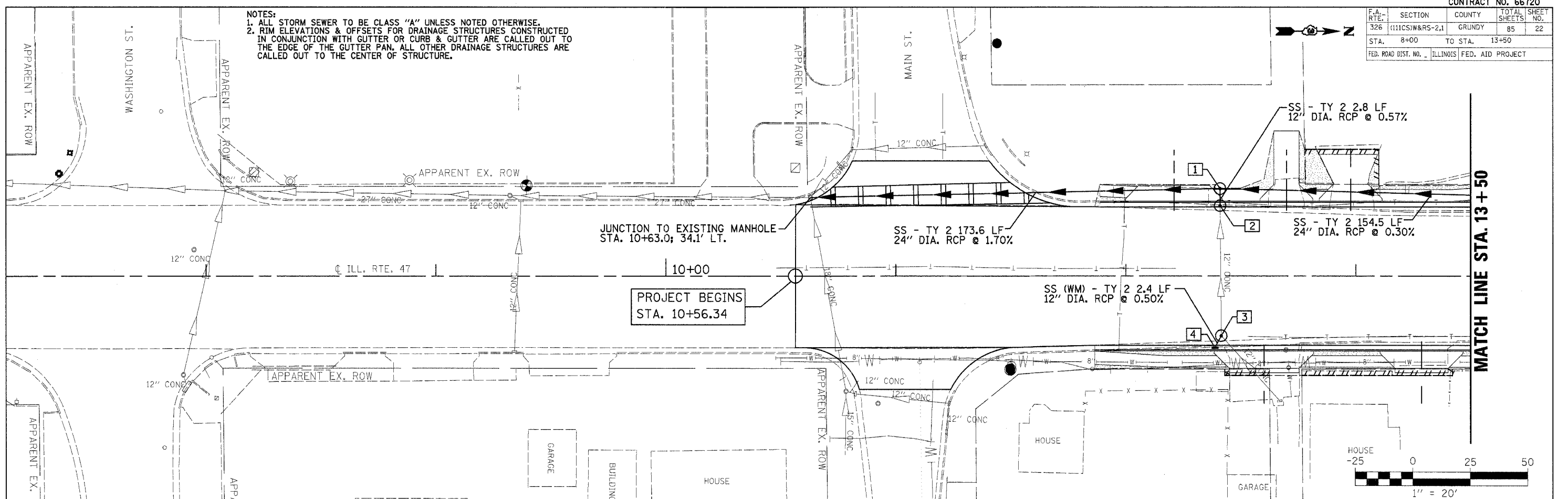


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-2.1	GRUNDY	85	22
STA. 8+00	TO STA. 13+50			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

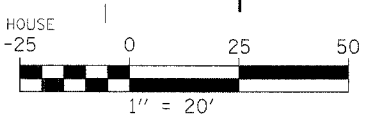
NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.

DATE	
BY	
REVISION	
NOTED	
PLANNING	
ENGINEERING	
CONSTRUCTION	
NO.	

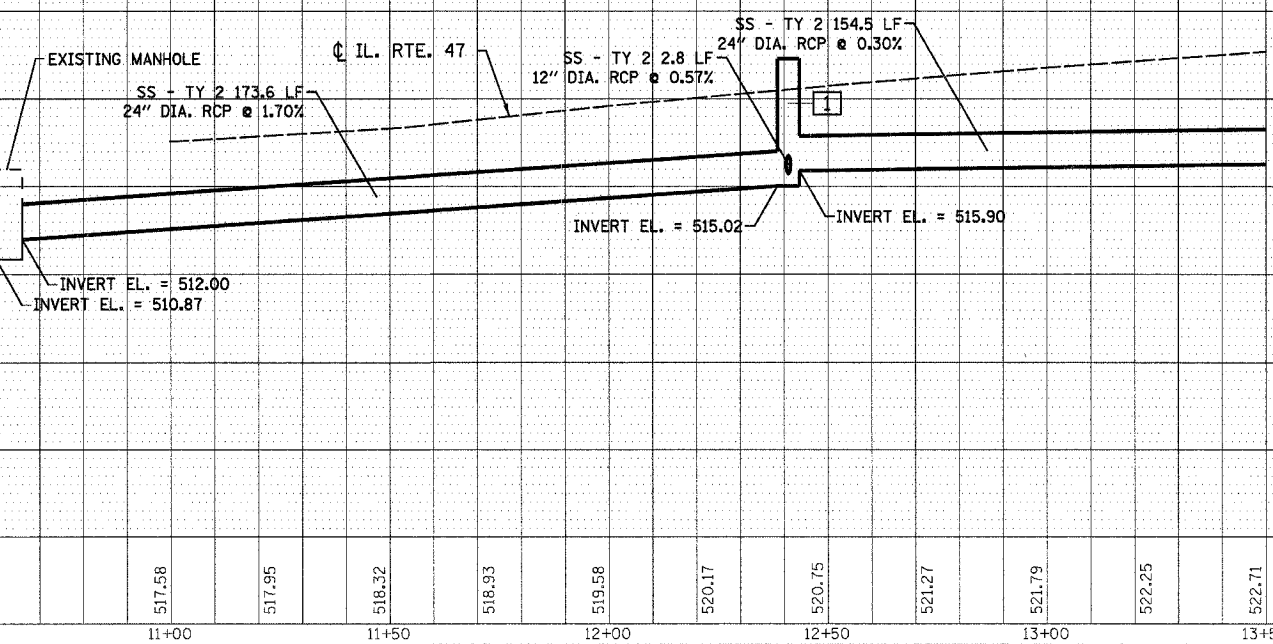
DATE	
BY	
REVISION	
NOTED	
PLANNING	
ENGINEERING	
CONSTRUCTION	
NO.	



MATCH LINE STA. 13 + 50



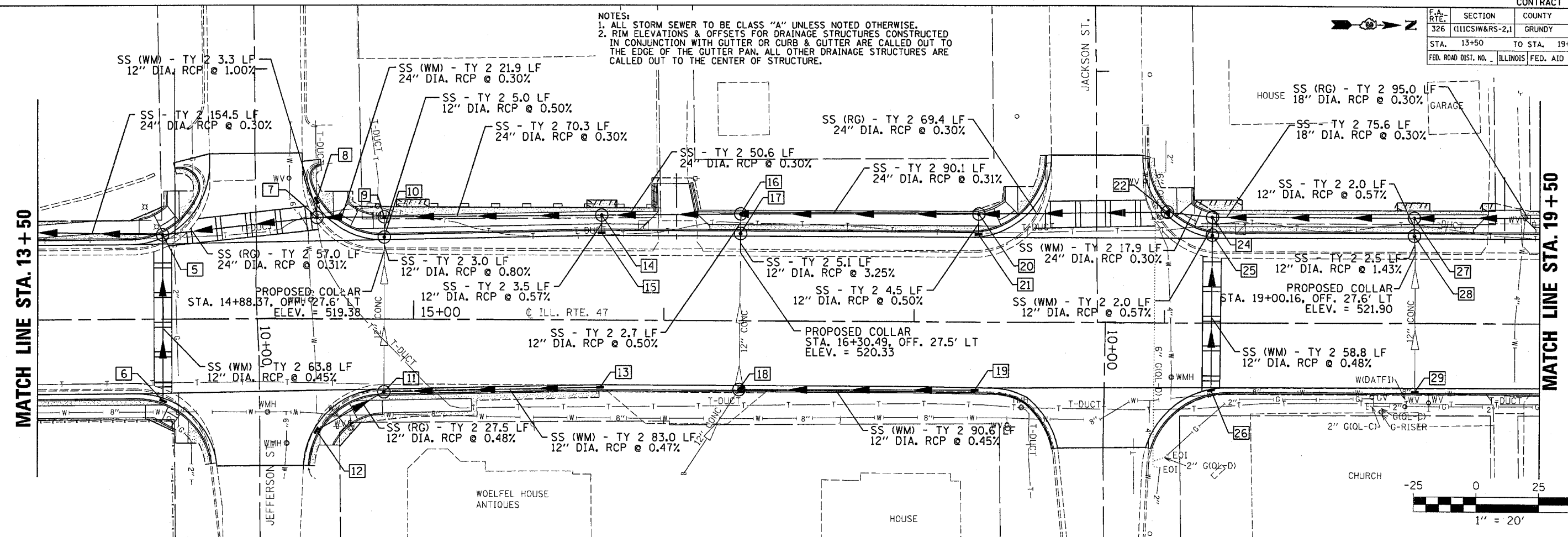
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535	1	12+41.0	37.9' LT.	520.50	515.90 N; 515.02 S; 515.76 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
	2	12+41.0	30.1' LT.	520.07	515.80 E; 515.80 W	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE
	3	12+41.5	25.8' RT.	520.13	516.02 W; 516.07 NE; 516.02 SE	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
	4	12+38.8	29.9' RT.	520.07	516.05 NW	INLET TYPE A W/ TYPE 3 FRAME & GRATE
530						
525						
520						
515						
510						
505						
500						
495						



IL ROUTE 47 - DRAINAGE & EROSION CONTROL PLANS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(11)CSW&RS-2,1	GRUNDY	85	23
STA. 13+50		TO STA. 19+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.



STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	
545	5	14+00.0	32.9' LT.	522.80	516.37 N; 516.37 S; 518.03 E	545	18	16+30.2	26.0' RT.	524.69	522.19 N; 522.19 W; 522.36 SE	
	6	14+00.0	31.6' RT.	522.83	518.33 W		19	17+24.4	26.5' RT.	525.02	522.61 S	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	7	14+61.5	40.7' LT.	523.30	516.56 N; 516.56 S; 518.71 W		20	17+25.7	43.2' LT.	525.40	517.36 N; 517.36 S; 520.47 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
540	8	14+60.4	47.1' LT.	522.99	518.75 E	540	21	17+25.5	34.2' LT.	525.02	520.51 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	9	14+88.4	41.0' LT.	524.04	516.64 N; 516.64 S; 517.96 E		22	18+01.2	44.3' LT.	524.98	517.57 N; 517.57 S	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
535	10	14+88.4	32.0' LT.	523.56	519.34 E; 518.00 W	535	23					
	11	14+88.1	28.1' RT.	523.60	519.95 N; 519.80 W; 519.95 SE		24	18+19.0	42.3' LT.	525.85	517.64 N; 517.64 S; 520.21 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
	12	14+61.2	43.7' RT.	523.15	520.10 NW		25	18+19.0	34.4' LT.	525.31	520.25 E; 520.25 W	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE
530	13	15+74.6	26.0' RT.	524.34	520.35 S	530	26	18+18.7	26.6' RT.	525.31	520.55 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	14	15+75.3	42.1' LT.	524.80	516.90 N; 516.90 S; 519.73 E		27	18+99.8	42.1' LT.	526.12	517.88 N; 517.88 S; 521.76 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL
525	15	15+75.2	34.1' LT.	524.22	519.77 W	525	28	18+99.8	34.0' LT.	525.59	521.80 E; 521.80 W	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE
	16	16+30.6	42.8' LT.	524.90	517.07 N; 517.07 S; 519.33 E		29	19+00.1	26.0' RT.	525.59	522.64 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	17	16+30.5	34.1' LT.	524.57	520.07 E; 519.37 W							

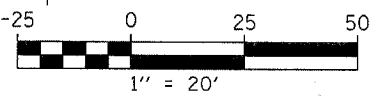
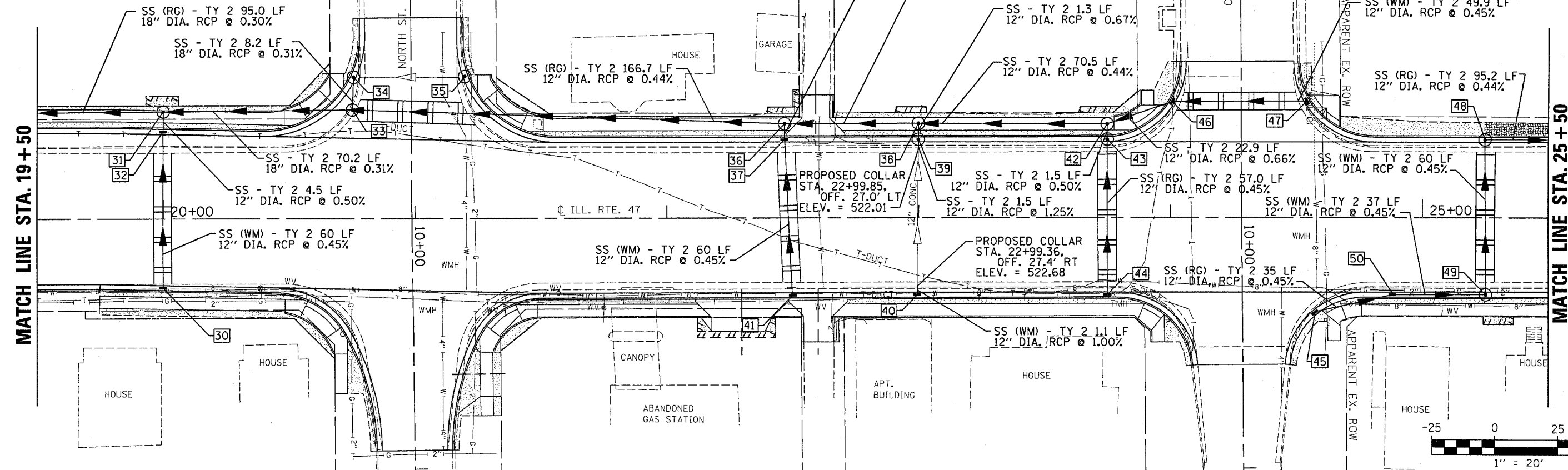
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REVISION	DATE	BY
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ALIGNED	CHECKED	DATE
FILE	NAME	NO.

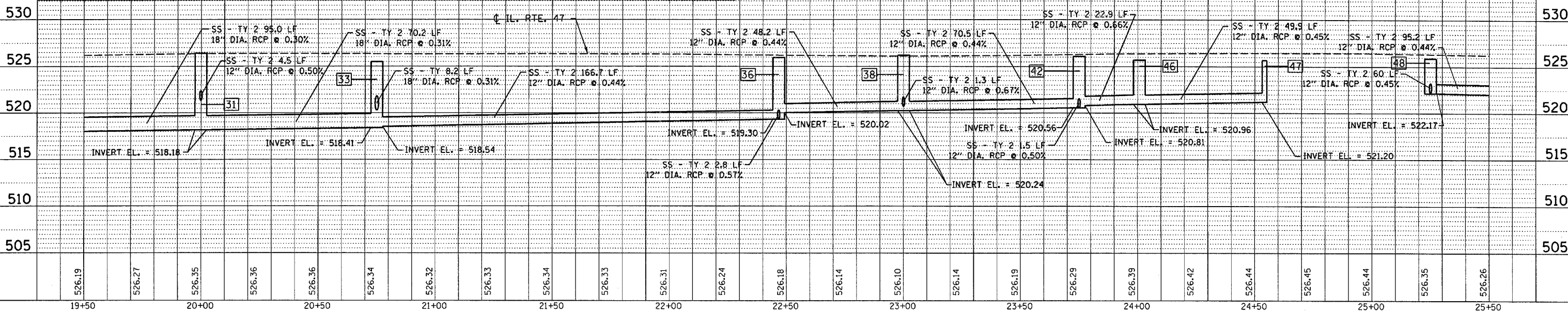
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-2.1	GRUNDY	85	24
STA. 19+50	TO STA. 25+50			
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.



STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	
545	30	20+00.0	26.5' RT.	525.91	521.77 W	41	22+50.0	30.0' RT.	525.73	519.71 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE	545
	31	20+00.0	42.6' LT.	526.41	518.18 N; 518.18 S; 521.36 E	42	23+75.0	37.0' LT.	526.09	520.81 N; 520.57 S; 520.57 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	
	32	20+00.0	33.4' LT.	525.91	521.40 W; 521.50 E	43	23+75.0	30.0' LT.	525.84	520.60 E; 520.60 W	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE	
	33	20+75.0	43.2' LT.	525.50	518.54 N; 518.41 S; 520.29 W	44	23+75.0	30.0' RT.	525.84	520.88 W; 520.88 NE	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	
540	34	20+75.4	55.1' LT.	525.19	521.27 N; 520.33 E	45	24+54.0	39.8' RT.	525.89	523.01 N	INLET TYPE B W/ TYPE 3 FRAME & GRATE	540
	35	21+20.0	56.2' LT.	525.08	521.95 S	46	24+00.7	46.1' LT.	525.58	520.96 N; 520.96 S	INLET TYPE B W/ TYPE 3 FRAME & GRATE	
	36	22+46.7	37.3' LT.	525.94	520.00 N; 519.30 S; 519.30 E	47	24+54.1	46.4' LT.	525.68	521.20 S	INLET TYPE A W/ TYPE 3 FRAME & GRATE	
	37	22+46.7	30.0' LT.	525.73	519.34 W; 519.44 E	48	25+25.0	30.0' LT.	525.90	522.17 N; 522.25 E	MANHOLE TYPE A 4' DIA. W/ TYPE 3 FRAME & GRATE	
535	38	23+00.0	37.3' LT.	526.18	520.24 N; 520.24 S; 520.70 E	49	25+25.0	30.0' RT.	525.90	522.52 W; 522.60 S	MANHOLE TYPE A 4' DIA. W/ TYPE 3 FRAME & GRATE	535
	39	23+00.0	30.0' LT.	525.65	521.96 E; 520.74 W	50	24+88	30.0' RT.	525.99	522.77 N; 522.85 S	INLET TYPE B W/ TYPE 3 FRAME & GRATE	
	40	23+00.0	30.0' RT.	525.65	522.72 S; 522.72 W							



DATE	BY	REVISION

DATE	BY	REVISION

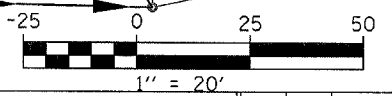
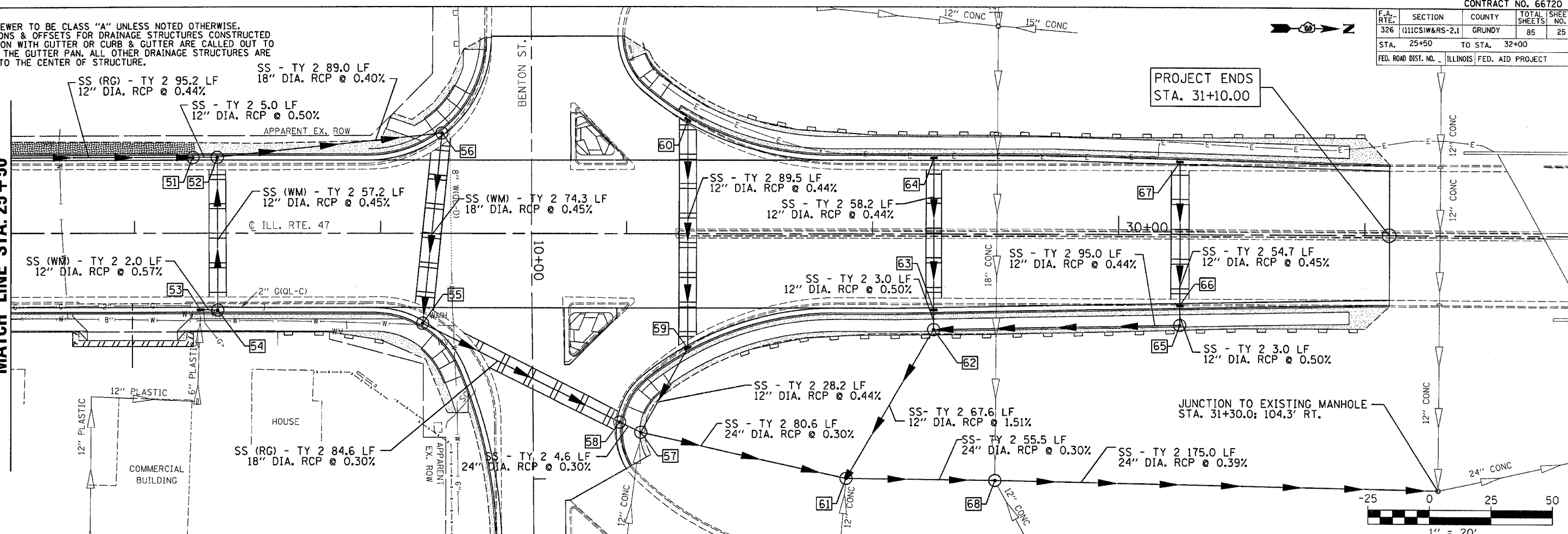
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-2.1	GRUNDY	85	25
STA. 25+50		TO STA. 32+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.

MATCH LINE STA. 25 + 50

PROJECT ENDS STA. 31+10.00



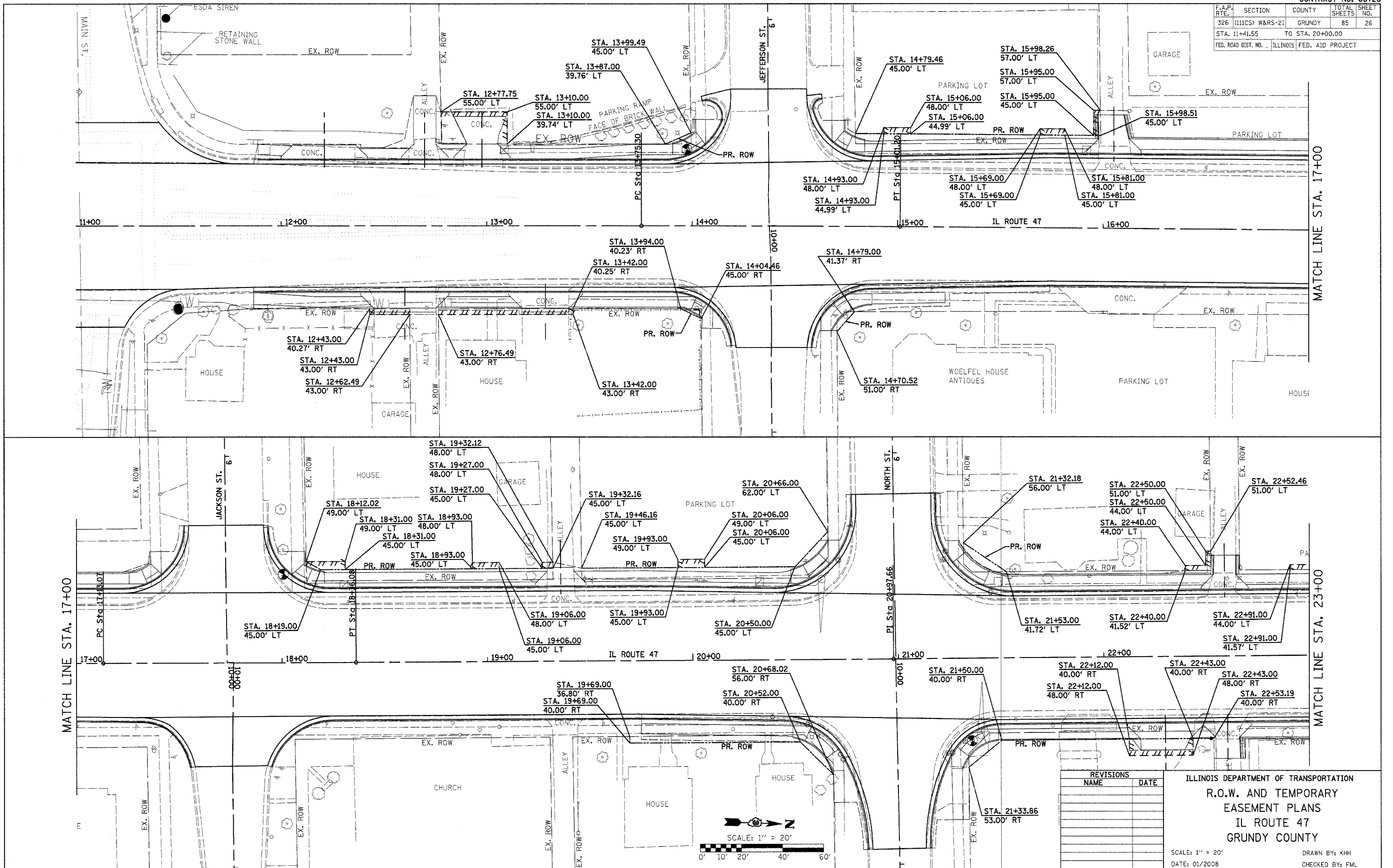
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				N	S						N	S	
550	51	26+23.6	30.0' LT.	525.57	521.73 N; 521.73 S	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE	65	30+24.9	36.7' RT.	539.17	531.52 S; 535.57 W	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	
	52	26+33.6	30.0' LT.	525.57	521.68 S; 521.68 E; 521.60 N	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE	66	30+25.0	27.7' RT.	538.87	535.61 E; 535.61 W	INLET TYPE B W/ TYPE 3 FRAME & GRATE	
	53	26+26.9	30.0' RT.	525.57	522.04 N	INLET TYPE A W/ TYPE 3 FRAME & GRATE	67	30+25.0	28.5' LT.	538.87	535.87 E	INLET TYPE A W/ TYPE 3 FRAME & GRATE	
545	54	26+34.0	30.0' RT.	525.57	521.94 W; 522.02 S	MANHOLE TYPE A 4' DIA. W/ TYPE 3 FRAME & GRATE	68	29+49.9	100.4' RT.	524.40	514.30 N; 515.30 S;	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	
	55	27+17.1	35.4' RT.	526.31	520.83 W; 520.75 NE	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE					518.43 E; 514.30 W		
540	56	27+25.0	40.3' LT.	526.25	521.24 S; 521.16 E	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE							
	57	28+05.9	80.8' RT.	526.60	518.76 E; 518.76 NE; 518.76 SW; 523.64 NW	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL							
	58	27+97.2	76.1' RT.	524.99	518.79 NE; 520.50 SW	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE							
535	59	28+25.0	45.4' RT.	528.63	524.80 W; 523.80 SE	INLET TYPE B W/ TYPE 3 FRAME & GRATE							
	60	28+25.0	45.4' LT.	528.58	525.21 E	INLET TYPE A W/ TYPE 3 FRAME & GRATE							
	61	28+89.4	99.6' RT.	524.93	515.48 N; 518.95 E; 518.50 SW; 520.43 NW	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL							
530	62	29+24.9	38.7' RT.	534.34	531.08 N; 530.77 W; 521.50 SE	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL							
	63	29+25.0	29.7' RT.	534.07	530.81 E; 530.81 W	INLET TYPE B W/ TYPE 3 FRAME & GRATE							
525	64	29+25.0	30.1' LT.	534.07	531.08 E	INLET TYPE A W/ TYPE 3 FRAME & GRATE							
520													
515													
510													

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	26
STA. 11+41.55		TO STA. 20+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

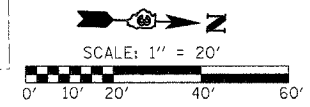


MATCH LINE STA. 17+00

MATCH LINE STA. 17+00

MATCH LINE STA. 23+00

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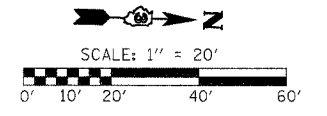
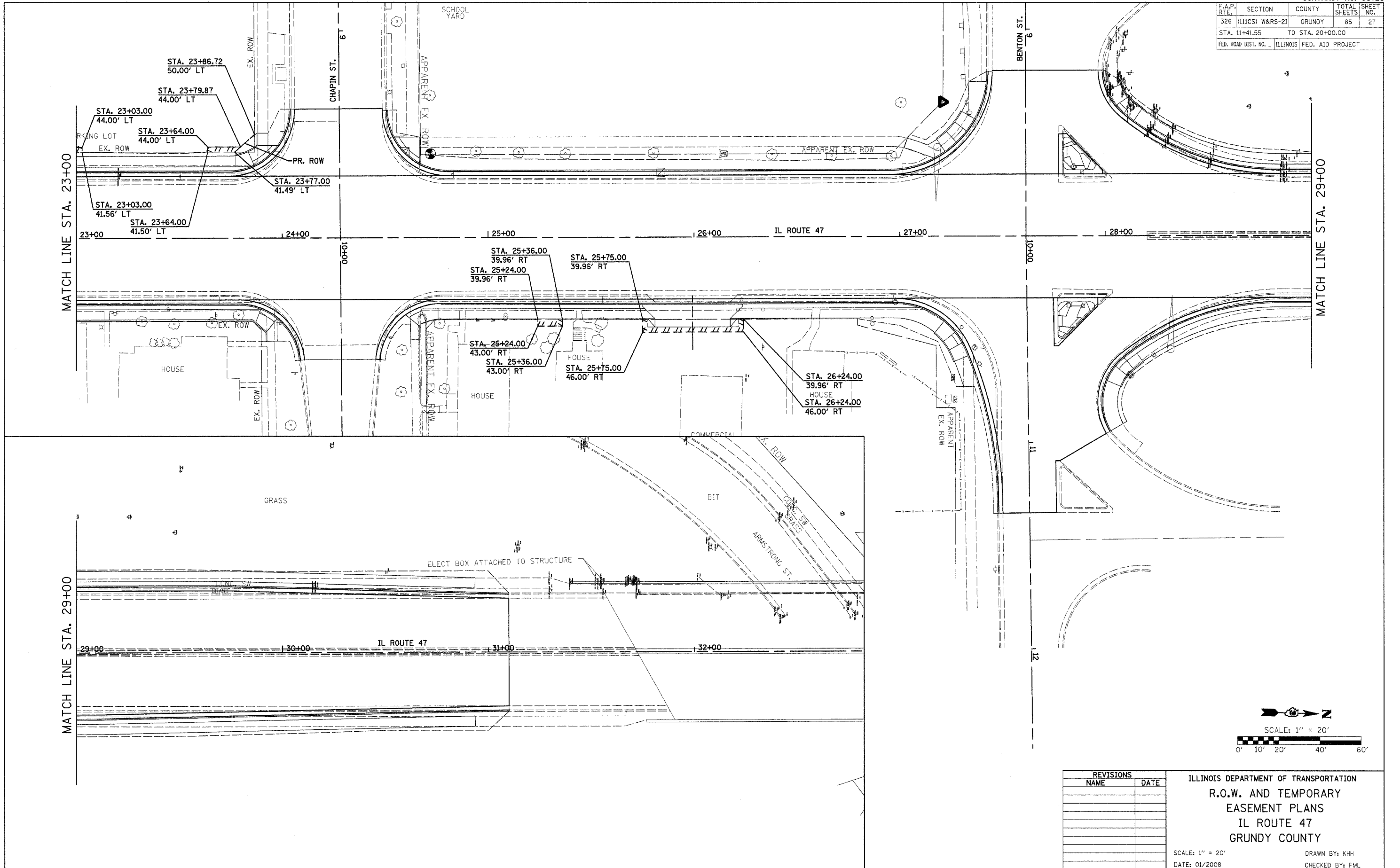
REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 R.O.W. AND TEMPORARY
 EASEMENT PLANS
 IL ROUTE 47
 GRUNDY COUNTY

SCALE: 1" = 20'
 DATE: 01/20/08

DRAWN BY: KHH
 CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	27
STA. 11+41.55		TO STA. 20+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
R.O.W. AND TEMPORARY EASEMENT PLANS
 IL ROUTE 47
 GRUNDY COUNTY

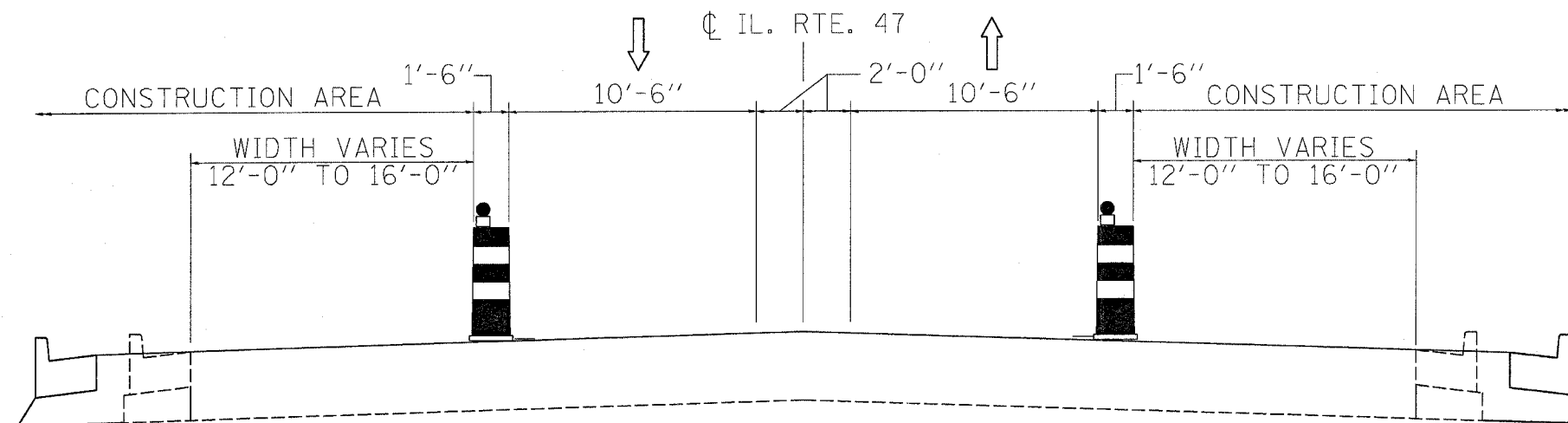
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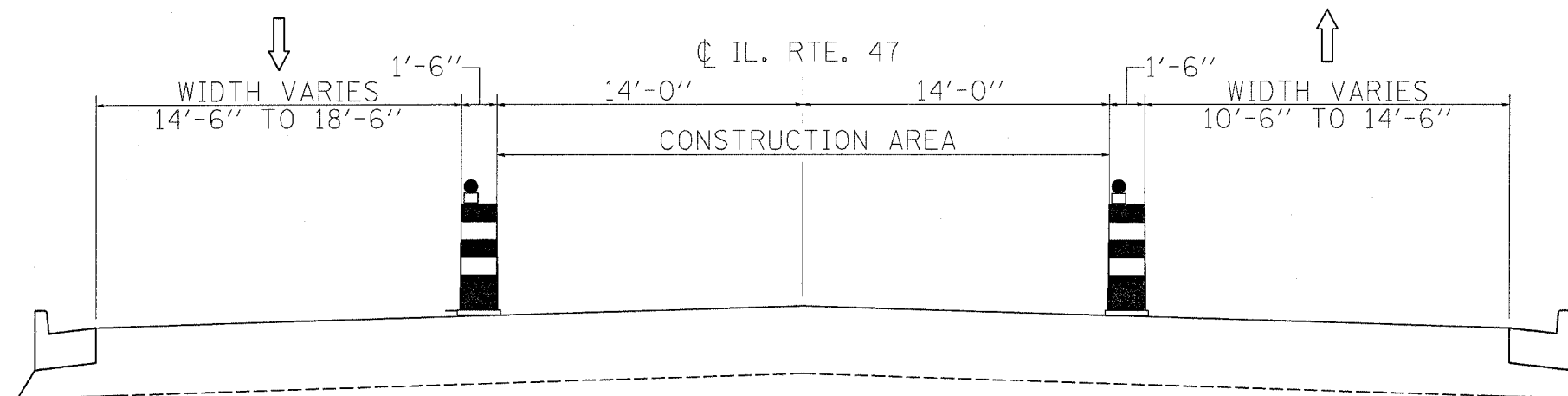
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IL ROUTE 47 - R.O.W. & TEMPORARY EASEMENT PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



STAGE I



STAGE II

WORK ITEMS

PRE-STAGE (NOT SHOWN)

1. REMOVE EXISTING STORM SEWER SYSTEMS AND CONSTRUCT PROPOSED INLETS, CATCH BASINS, AND STORM SEWER SYSTEMS.
2. COMPLETE PAVEMENT PATCHING FOR TRENCHES PRIOR TO OPENING LANES TO TRAFFIC.

STAGE I

1. CLOSE EAST AND WEST OUTSIDE LANES OF IL 47 AS SHOWN ON THE CROSS SECTION.
2. REMOVE EXISTING CURB AND GUTTER, ISLANDS, AND SIDEWALK.
3. CONSTRUCT COMBINATION CURB & GUTTER AND ISLANDS. INSTALL NEW TRAFFIC SIGNALS. FINISH SIDE GRADING.
4. CONSTRUCT PAVEMENT WIDENING (UP TO LEVELING BINDER).
5. CONSTRUCT SIDE ENTRANCES AND SIDEWALK.

STAGE II

1. CLOSE EAST AND WEST INSIDE LANES OF IL 47 AS SHOWN ON THE CROSS SECTION.
2. REMOVE RAISED MEDIAN WHERE APPLICABLE.
3. MILL EXISTING PAVEMENT.

STAGE III (NOT SHOWN)

1. MILL EXISTING SURFACE COURSE FROM LIMIT TO STA. 10+56.4 TO STA. 31+10.0, INCLUDING ALL SIDE ROADS.
2. FINISH SURFACE COURSE.
3. APPLY PAVEMENT MARKINGS AND INSTALL RAISED REFLECTIVE PAVEMENT MARKERS.

MAINTENANCE OF TRAFFIC - GENERAL NOTES

1. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO ATTEND A MEETING, ARRANGED BY THE RESIDENT ENGINEER TO ASCERTAIN THE MAINTENANCE OF TRAFFIC PLAN AND ANY IMMEDIATE CHANGES NECESSARY. IF AN ALTERNATE TRAFFIC PATTERN IS REQUIRED WITHIN THIS CONTRACT, THE CONTRACTOR SHALL SUBMIT MOT DEVIANCE PLAN FOR APPROVAL BY IDOT DISTRICT 3.
2. ACCESS TO SIDEROADS SHALL BE MAINTAINED WITH MINIMUM CLOSURE, AND SHALL BE OPEN TO TRAFFIC AT THE END OF EACH WORKING DAY. CLOSURE OF SIDEROADS SHALL BE IN AN ALTERNATIVE PATTERN. NO ADJACENT SIDEROADS SHALL BE CLOSED AT THE SAME TIME.
3. ACCESS TO COMMERCIAL & PRIVATE ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
4. DURING NON-WORKING HOURS, ALL TRAFFIC LANES SHALL BE OPEN TO TRAFFIC
5. EMERGENCY ACCESS TO MAINLINES, SIDEROADS & ENTRANCES SHALL BE PROVIDED AT ALL TIMES.
6. AT ALL TIMES, WITHOUT ANY METHODS OF MAINTENANCE OF TRAFFIC, NO VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES SHOULD BE LESS THAN 15' FROM THE EDGE OF PAVEMENT.
7. FOR THE PRE-STAGE AND STAGE 3 NOT SHOWN BY THE CROSS SECTIONS, APPLY TRAFFIC CONTROL STANDARD 701602, 701606, AND 701701
8. SIDE ROAD TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH STANDARD 701701 EXCEPT AN ARROW BOARD WILL NOT BE REQUIRED WHEN THE SIDEROAD HAS TWO LANES.
9. DURING STAGE 1, MORE THAN 1 LANE CLOSURE AT A TIME ON IL 47 SHALL NOT BE ALLOWED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING PLANS
IL ROUTE 47
GRUNDY COUNTY

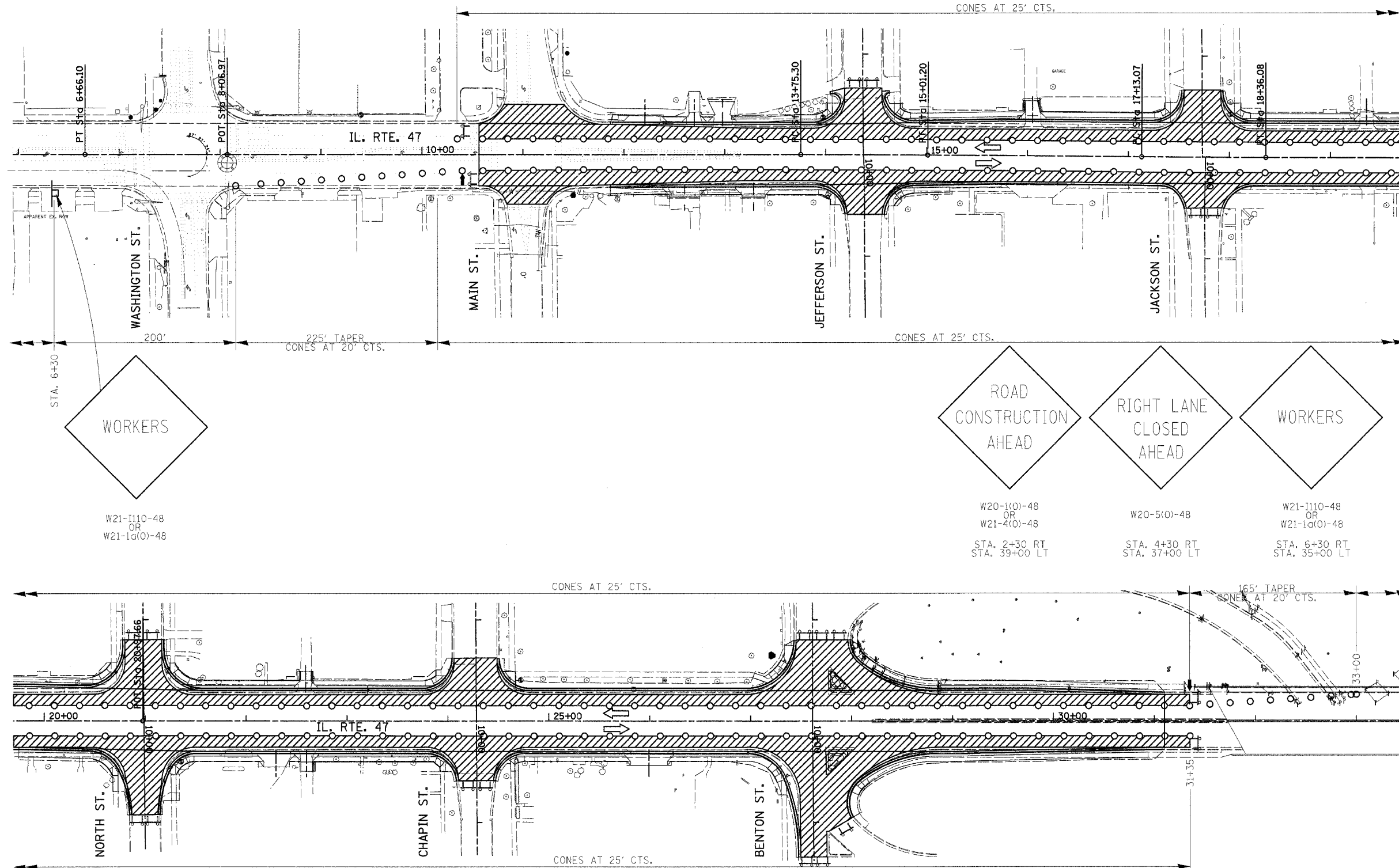
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	29
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

STAGE 1



LEGEND	
	ARROW BOARD
	WORK ZONE
	DRUM
	SIGN MOUNTED ON PORTABLE SUPPORT
	TYPE I OR TYPE II BARRICADE
	TYPE III BARRICADE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGING PLANS
STAGE 1 PLAN
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
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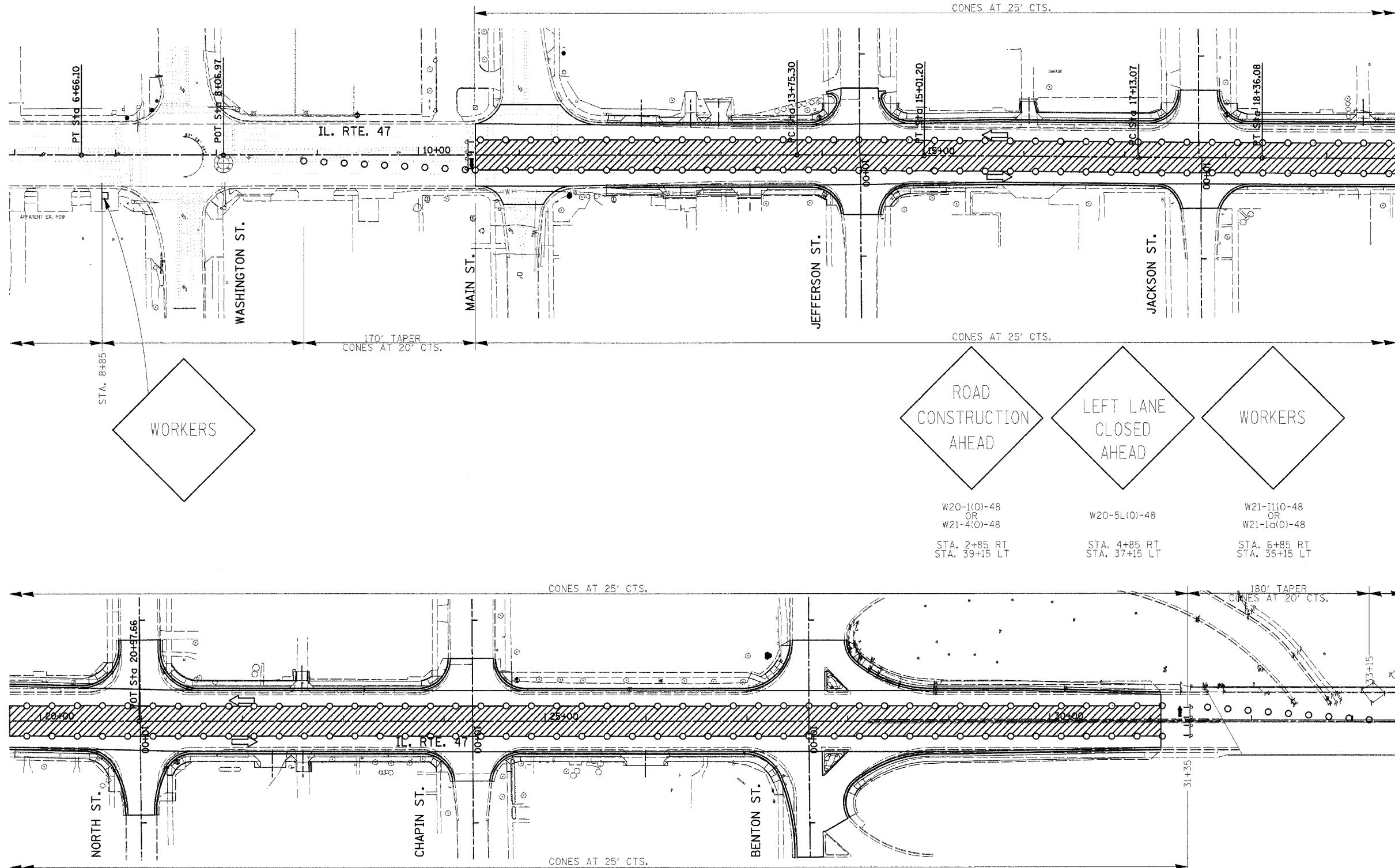
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NOTE:
 FOR DETAILS NOT SHOWN SEE STANDARD 701602-2

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 USER NAME = BUSBYR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	30
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

STAGE 2



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGING PLANS
 STAGE 2 PLAN
 IL ROUTE 47
 GRUNDY COUNTY

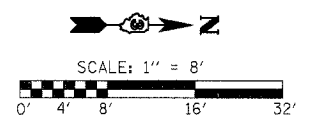
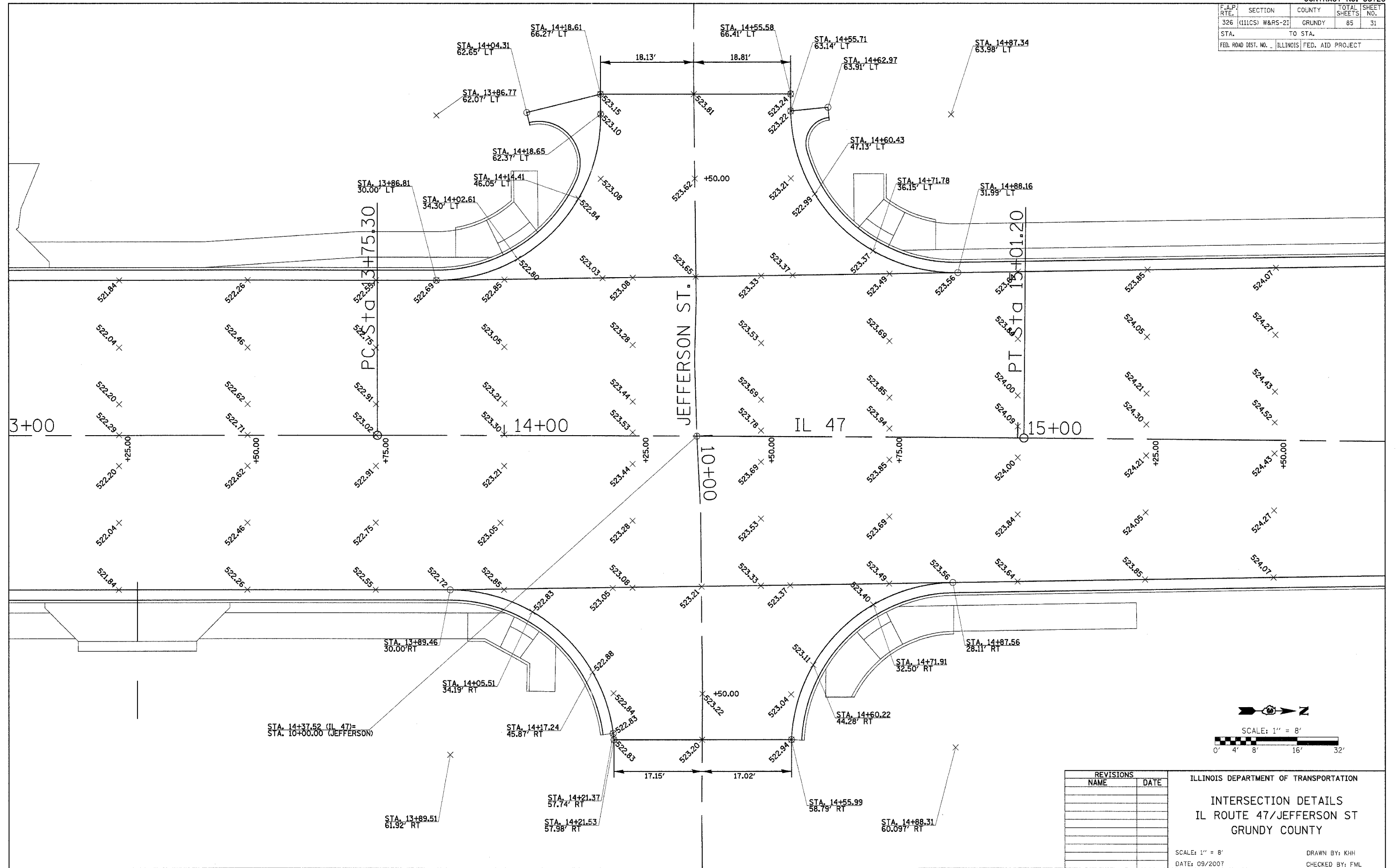
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DRAWN BY: KHH
 CHECKED BY: FML

NOTE:
 FOR DETAILS NOT SHOWN SEE STANDARD 701602-2

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 PLOT SCALE = #SCALE#
 USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
IL ROUTE 47/JEFFERSON ST
GRUNDY COUNTY

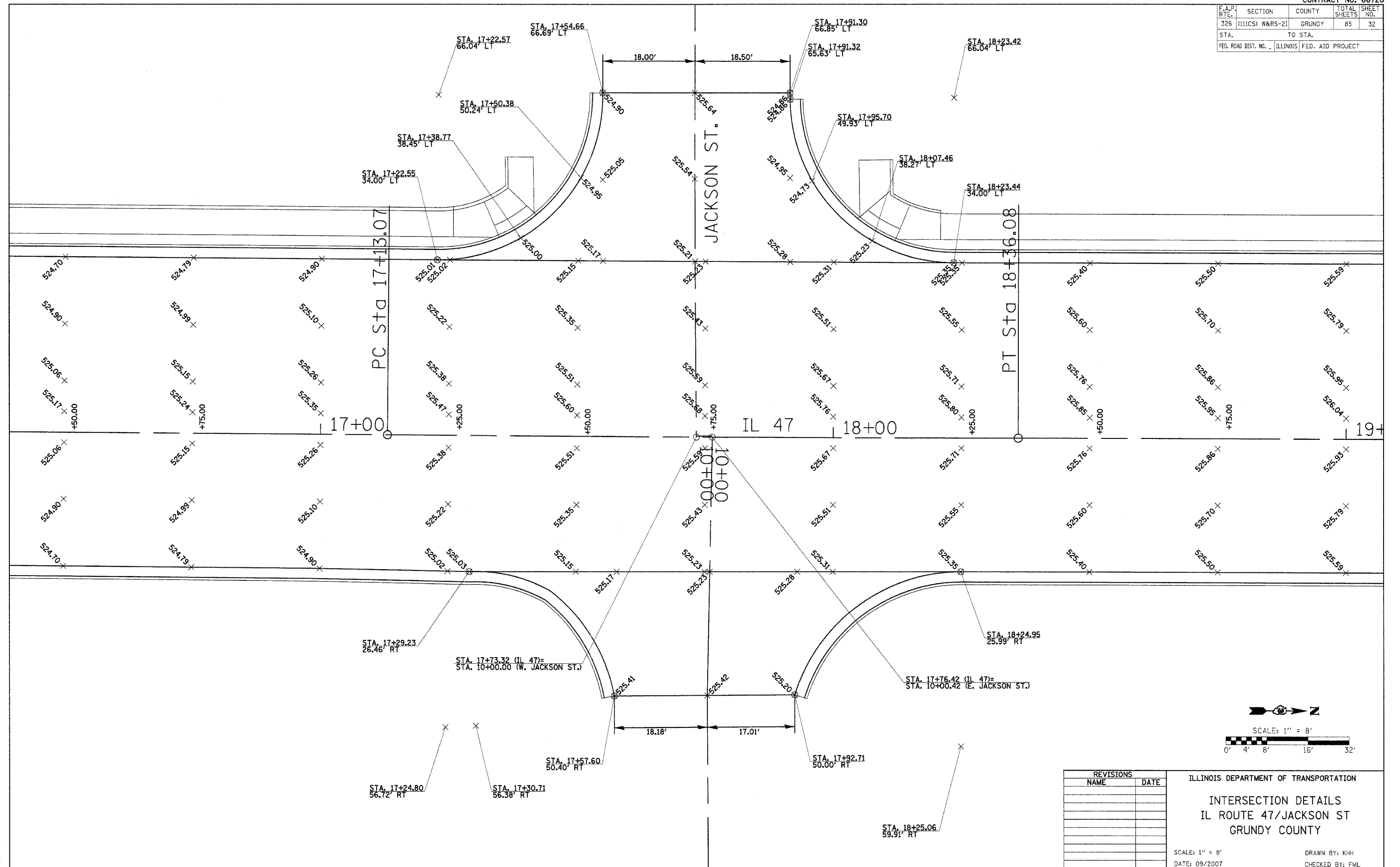
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 CHECKED BY: FML

PLOT DATE = 09/2007
 PLOT SCALE = 1" = 8'
 USER NAME = KHH

INTERSECTION DETAILS - IL ROUTE 47 & JEFFERSON ST.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&S-21	GRUNDY	85	32
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
IL ROUTE 47/JACKSON ST
GRUNDY COUNTY

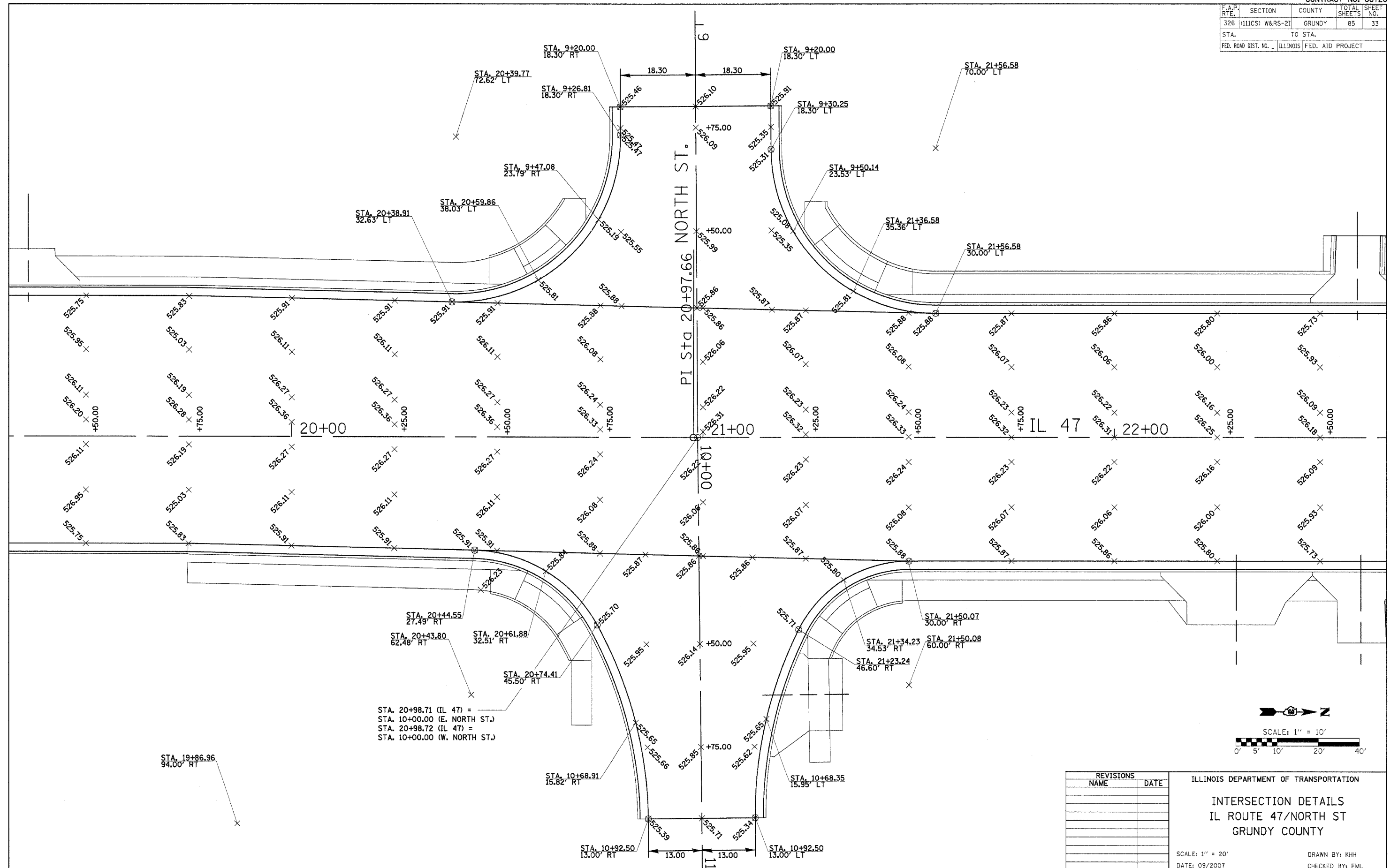
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 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & JACKSON ST.

PLT DATE = 08/2007
 NAME = KHH
 PLOT SCALE = 8/32
 USER NAME = KHH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	33
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



STA. 20+98.71 (IL 47) =
 STA. 10+00.00 (E. NORTH ST.)
 STA. 20+98.72 (IL 47) =
 STA. 10+00.00 (W. NORTH ST.)

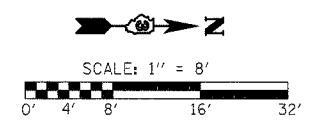
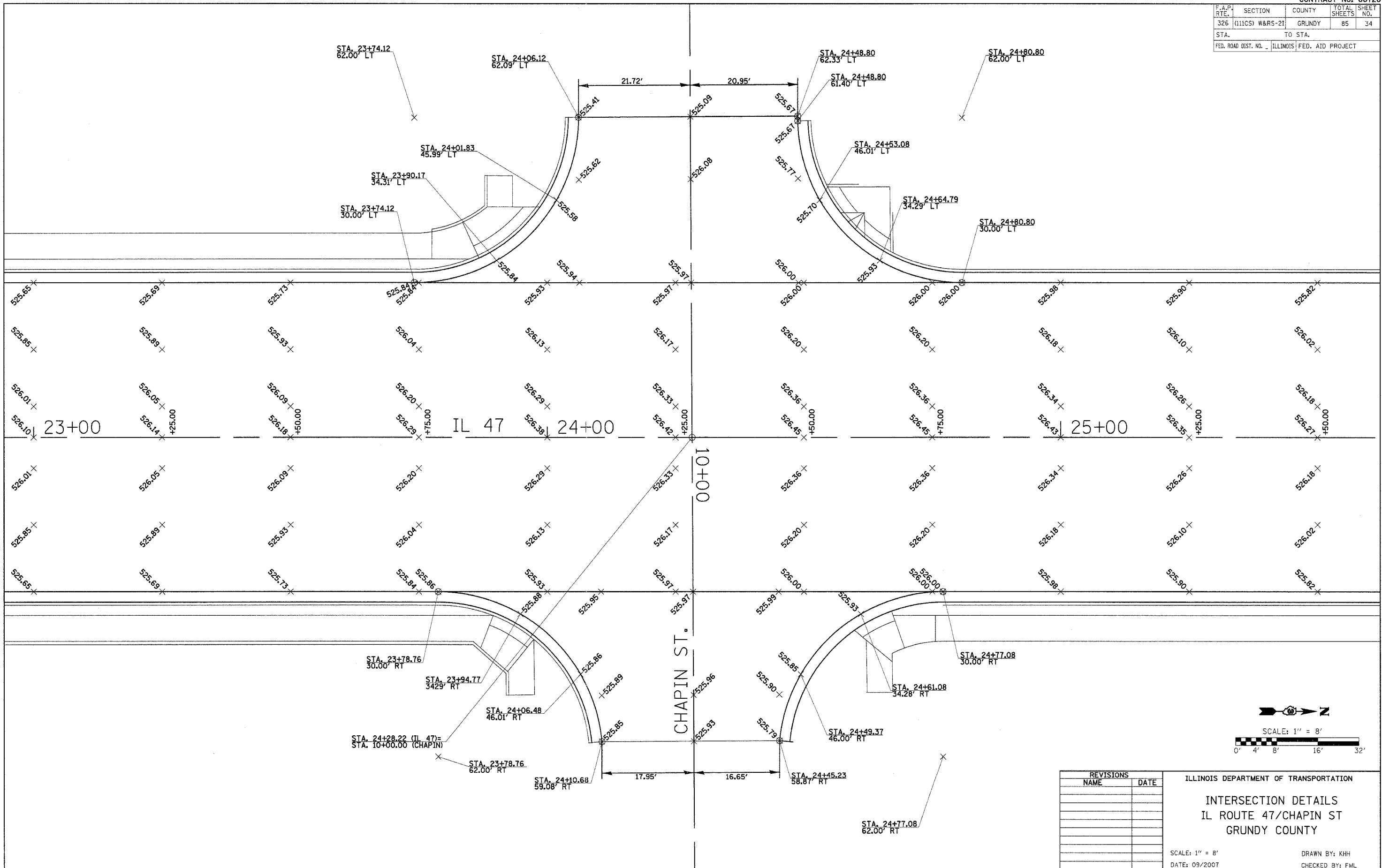
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 IL ROUTE 47/NORTH ST
 GRUNDY COUNTY
 SCALE: 1" = 20'
 DATE: 09/2007
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 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & NORTH ST.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	34
STA. TO STA.		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 IL ROUTE 47/CHAPIN ST
 GRUNDY COUNTY

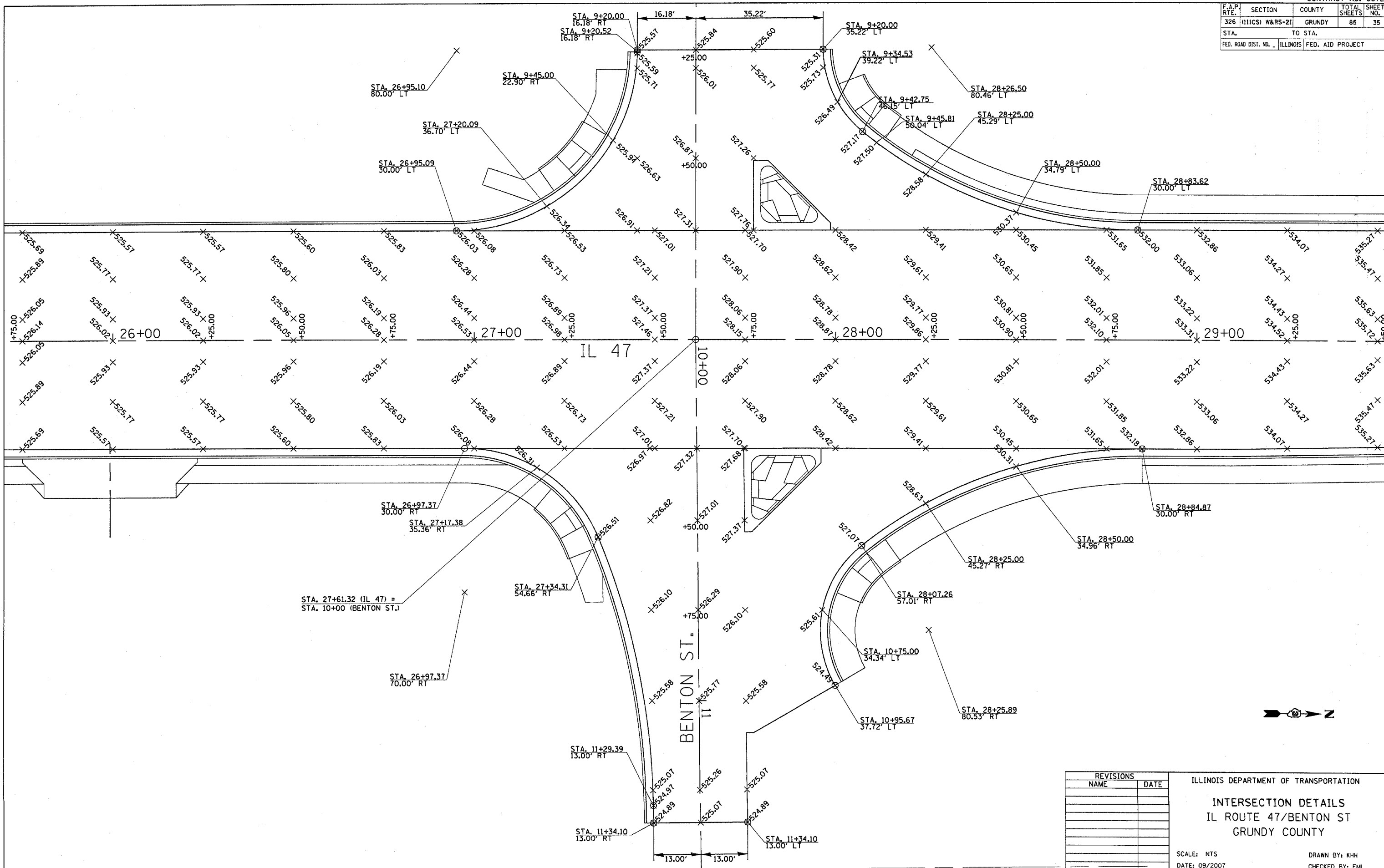
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 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & CHAPIN ST.

PLT DATE = 09/2007
 USER = KHH
 USER NAME = KHH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS)	W&RS-21	GRUNDY	85	35
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



PLOT DATE = Feb. 05, 2008 - 10:31:28 AM
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 USER NAME = schwenberg

REVISIONS	
NAME	DATE

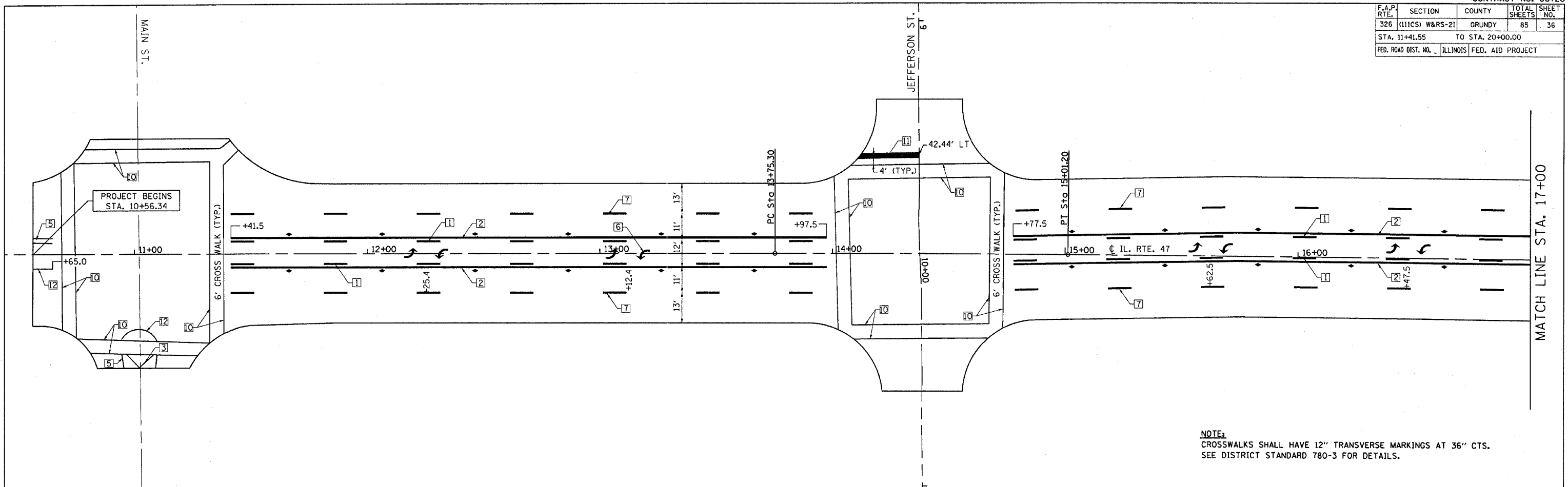
ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
 IL ROUTE 47/BENTON ST
 GRUNDY COUNTY

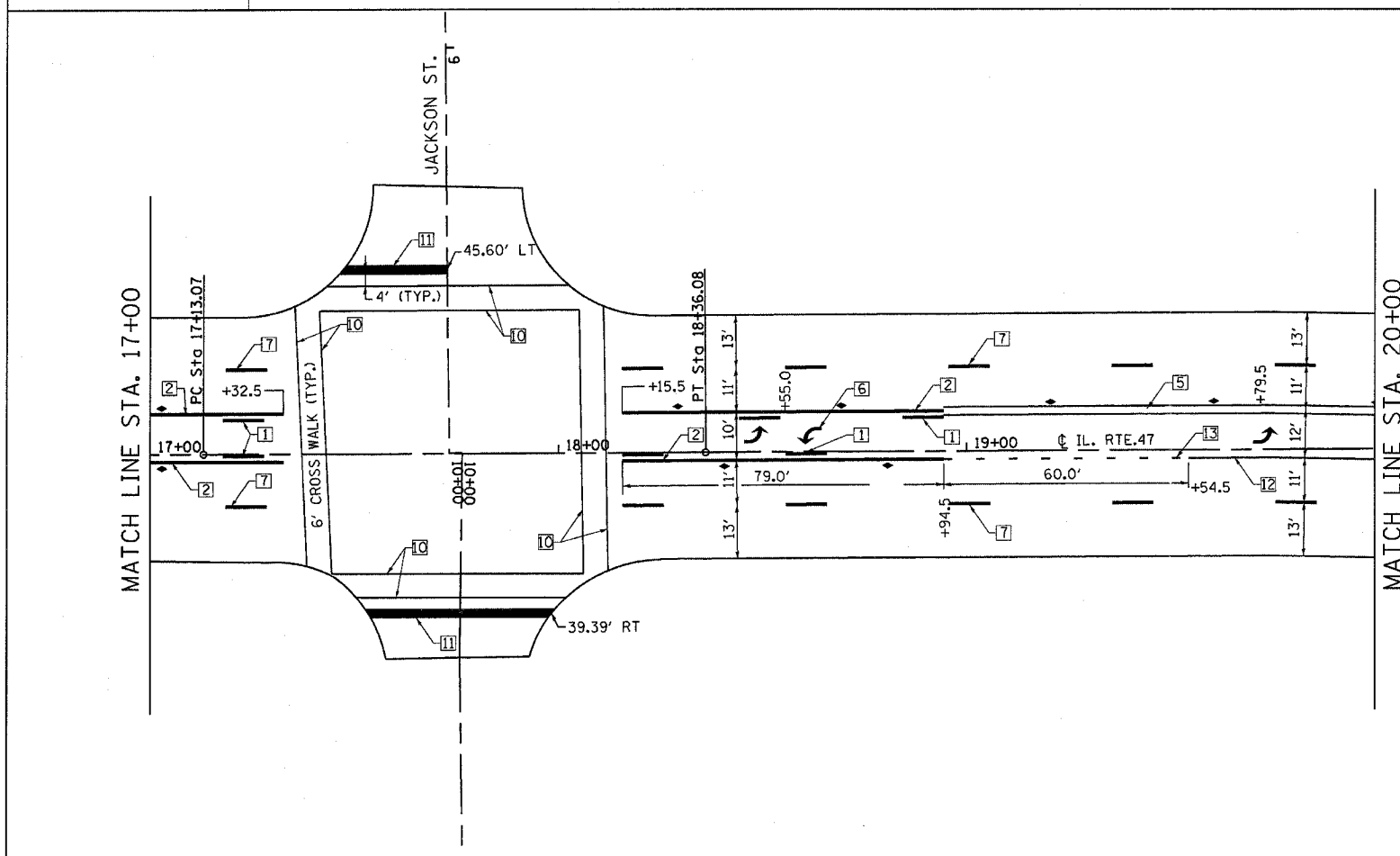
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 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-21		GRUNDY	85	36
STA. 11+41.55 TO STA. 20+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
CROSSWALKS SHALL HAVE 12" TRANSVERSE MARKINGS AT 36" CTS.
SEE DISTRICT STANDARD 780-3 FOR DETAILS.

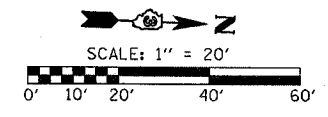


TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|--------------------------------|--|-------------------------------|
| 1 150 (6) SKIP-DASH (YELLOW) | | 8 100 (4) SOLID (WHITE) |
| 2 100 (4) SOLID (YELLOW) | | 9 300 (12) DIAGONAL (WHITE) |
| 3 300 (12) DIAGONAL (YELLOW) | | 10 150 (6) CROSS WALK (WHITE) |
| 4 150 (6) SOLID (WHITE) | | 11 600 (24) STOP BAR (WHITE) |
| 5 100 (4) DOUBLE YELLOW (WIDE) | | 12 200 (8) SOLID (WHITE) |
| 6 SYMBOLS | | 13 200 (8) DOTTED (WHITE) |
| 7 150 (6) SKIP-DASH (WHITE) | | 14 200 (8) DOTTED (YELLOW) |

TYPICAL PAVEMENT MARKERS LEGEND

- ONE-WAY CRYSTAL MARKER
- ONE-WAY AMBER MARKER
- TWO-WAY AMBER MARKER



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLANS
 IL ROUTE 47
 GRUNDY COUNTY
 SCALE: 1" = 20'
 DATE: 09/2007
 DRAWN BY: KHH
 CHECKED BY: FML

PLOT DATE : Feb 08, 2008 - 08:43:38 AM
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 PLOT SCALE : 20.0000 / IN.
 USER NAME : schenKerg

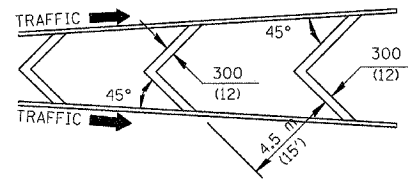
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111)CS W&RS-2!	GRUNDY	85	37
STA. 20+00.00		TO STA. 26+00.00		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKING LEGEND

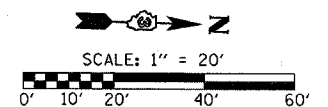
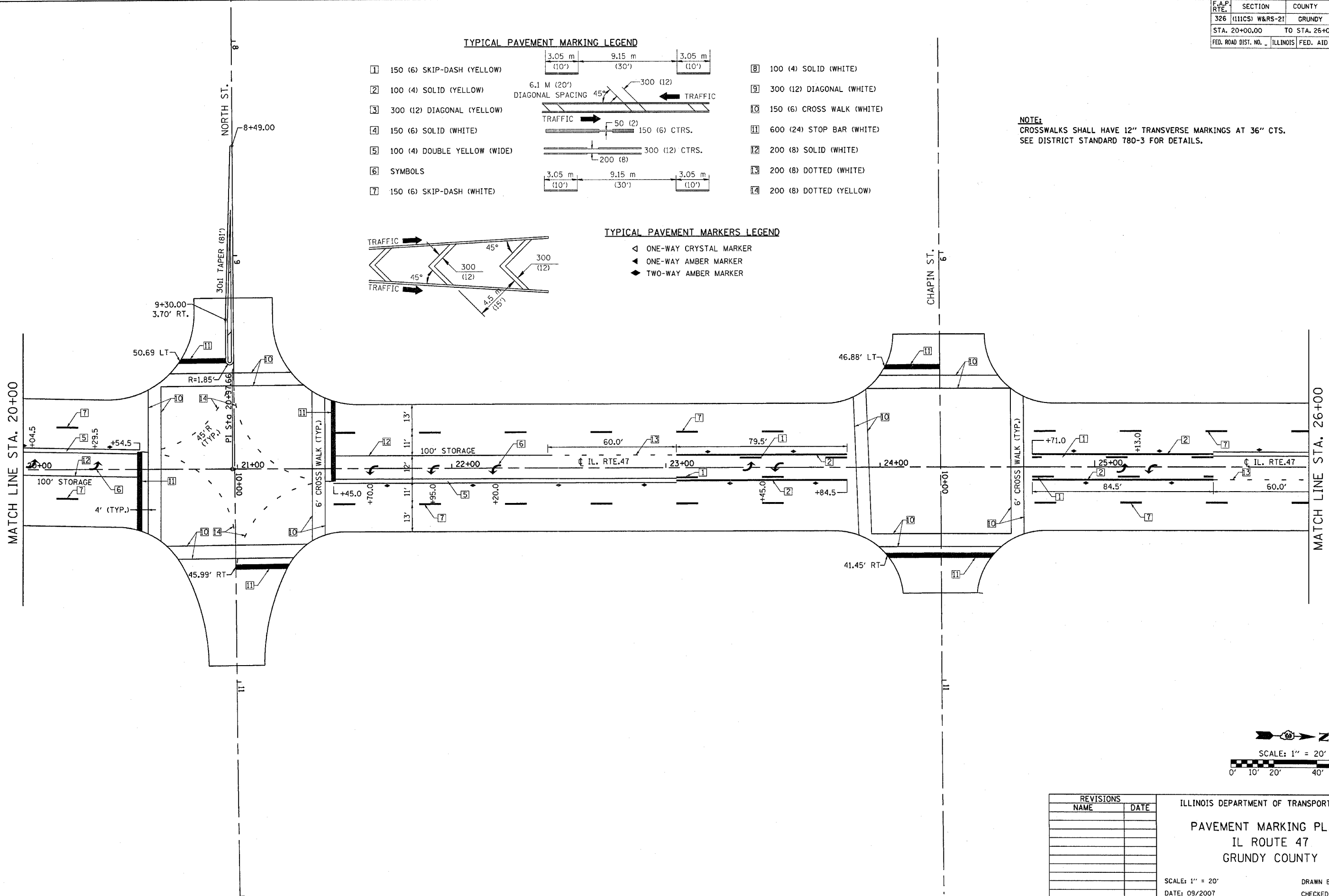
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|--------------------------------|--|-------------------------------|
| 1 150 (6) SKIP-DASH (YELLOW) | | 8 100 (4) SOLID (WHITE) |
| 2 100 (4) SOLID (YELLOW) | | 9 300 (12) DIAGONAL (WHITE) |
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| 4 150 (6) SOLID (WHITE) | | 11 600 (24) STOP BAR (WHITE) |
| 5 100 (4) DOUBLE YELLOW (WIDE) | | 12 200 (8) SOLID (WHITE) |
| 6 SYMBOLS | | 13 200 (8) DOTTED (WHITE) |
| 7 150 (6) SKIP-DASH (WHITE) | | 14 200 (8) DOTTED (YELLOW) |

TYPICAL PAVEMENT MARKERS LEGEND

- ◁ ONE-WAY CRYSTAL MARKER
- ◄ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER



NOTE:
CROSSWALKS SHALL HAVE 12" TRANSVERSE MARKINGS AT 36" CTS.
SEE DISTRICT STANDARD 780-3 FOR DETAILS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING PLANS
IL ROUTE 47
GRUNDY COUNTY

SCALE: 1" = 20"
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

PLOT DATE = Feb. 06, 2008 - 6554349 AM
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 USER NAME = schwanberg

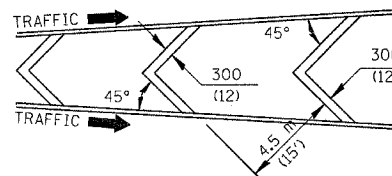
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	38
STA. 26+00.00		TO STA. 31+10.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKING LEGEND

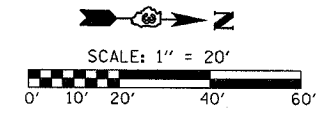
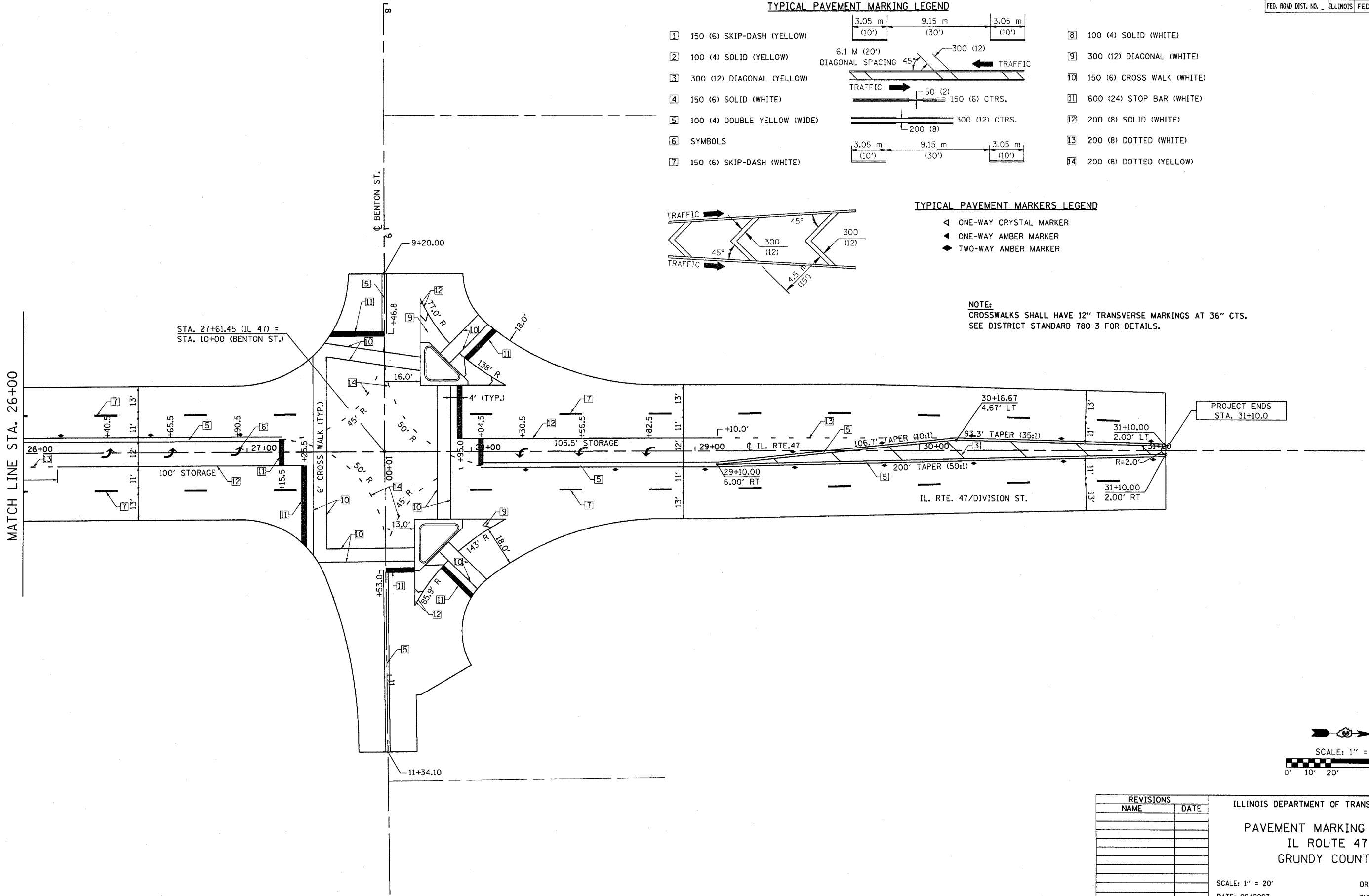
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|--------------------------------|--|-------------------------------|
| 1 150 (6) SKIP-DASH (YELLOW) | | 8 100 (4) SOLID (WHITE) |
| 2 100 (4) SOLID (YELLOW) | | 9 300 (12) DIAGONAL (WHITE) |
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TYPICAL PAVEMENT MARKERS LEGEND

- ◁ ONE-WAY CRYSTAL MARKER
- ◄ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER



NOTE:
CROSSWALKS SHALL HAVE 12" TRANSVERSE MARKINGS AT 36" CTS.
SEE DISTRICT STANDARD 780-3 FOR DETAILS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS

IL ROUTE 47

GRUNDY COUNTY

SCALE: 1" = 20'

DATE: 09/2007

DRAWN BY: KHH

CHECKED BY: FML

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 USER NAME = schwenker

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NUMBER: 66720				

TRAFFIC SIGNAL GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT THE UNITED CITY OF YORKVILLE (630-553-4350) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEMS.
8. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
9. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
12. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
13. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
14. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
15. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
16. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CHORD WITHIN THE POLICE DOOR COMPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTROLLER CABINET PAY ITEM.
17. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
19. BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES.
20. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
21. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.
22. ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
23. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
24. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
25. THE FIBER OPTIC CABLE SHALL BE LABELED WITH DIRECTION AND ASSIGNMENT NUMBER.
26. THE SURGE PROTECTOR IN THE CONTROLLER CABINET SHALL HAVE AN INDICATOR LIGHT.

TRAFFIC SIGNAL GENERAL NOTES (CONT.):

27. THE MAST ARMS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES:

1. ALL SIGNAL HEADS ON AN INDIVIDUAL SPAN WIRE SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
2. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW THE INSTALLATION TO WITHSTAND A 70 M.P.H. SUSTAINED WIND LOADING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
5. ALL TRAFFIC SIGNAL AND PEDESTRIAN SECTIONS SHALL HAVE 12" LENSES.
6. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK CABLE TO RELOCATE THE SIGNAL HEADS TO ANY POSITION FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL RELOCATIONS.
8. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POSTS OR POLES AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
9. THE SPAN WIRE MOUNTED TEMPORARY SIGNAL HEADS SHALL MAINTAIN A UNIFORM 18' CLEARANCE OVER THE ROADWAY.
10. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

DATE-TIME
DGN-SPEC








REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL &
 TEMPORARY TRAFFIC SIGNAL
 GENERAL NOTES**
 IL ROUTE 47
 GRUNDY COUNTY






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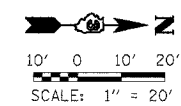
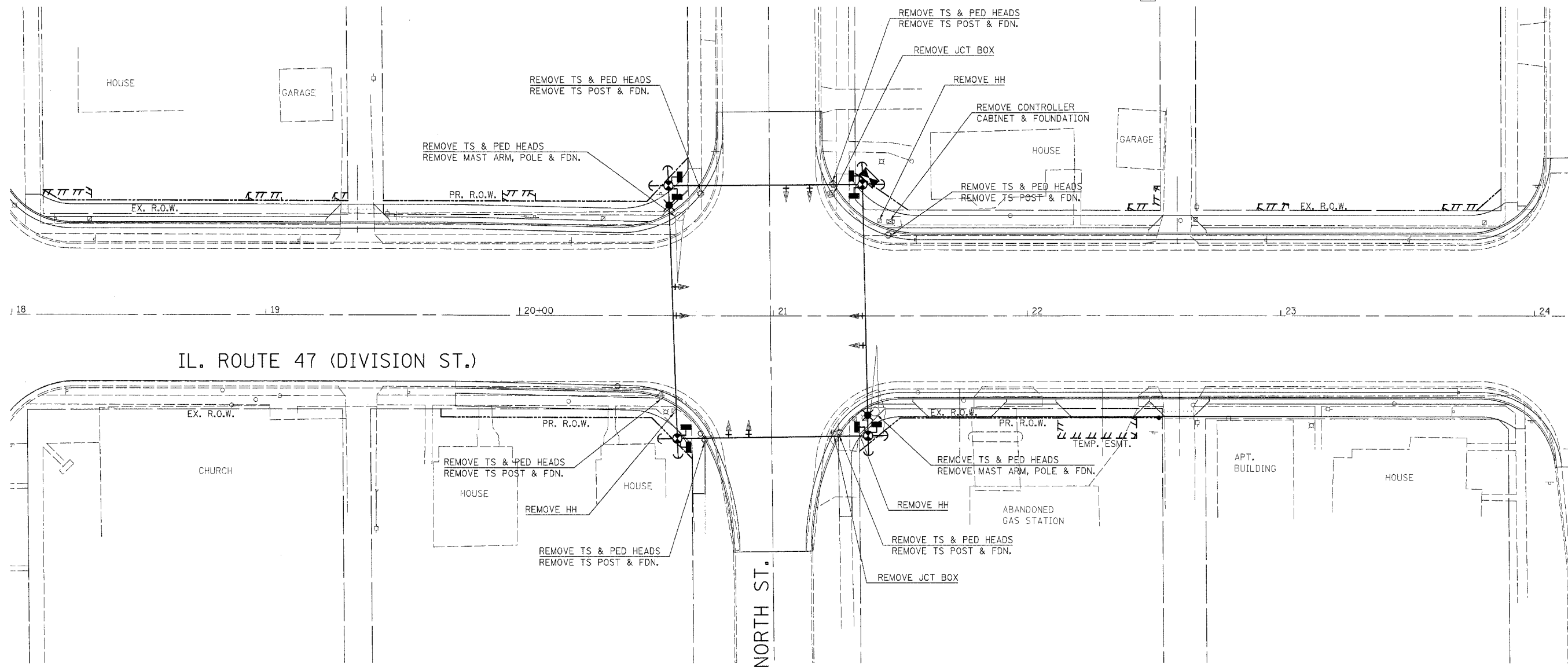
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-21		GRUNDY	85	40
STA. 18+00		TO STA. 24+10		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NUMBER: 66720				

TEMPORARY TRAFFIC SIGNAL LEGEND

-  TEMPORARY CONTROLLER AND CABINET
-  TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
-  TEMPORARY PED. SIGNAL HEAD, BRACKET MOUNTED
-  TEMPORARY WOOD POLE (CLASS 5) 45' MINIMUM
-  TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
-  TEMPORARY DOWN GUY OR SIDEWALK GUY
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 250 WATT

EXISTING SIGNAL LEGEND

-  HANDHOLE
-  DOUBLE HANDHOLE
-  MAST ARM ASSEMBLY AND POLE
-  CONTROLLER
-  JUNCTION BOX



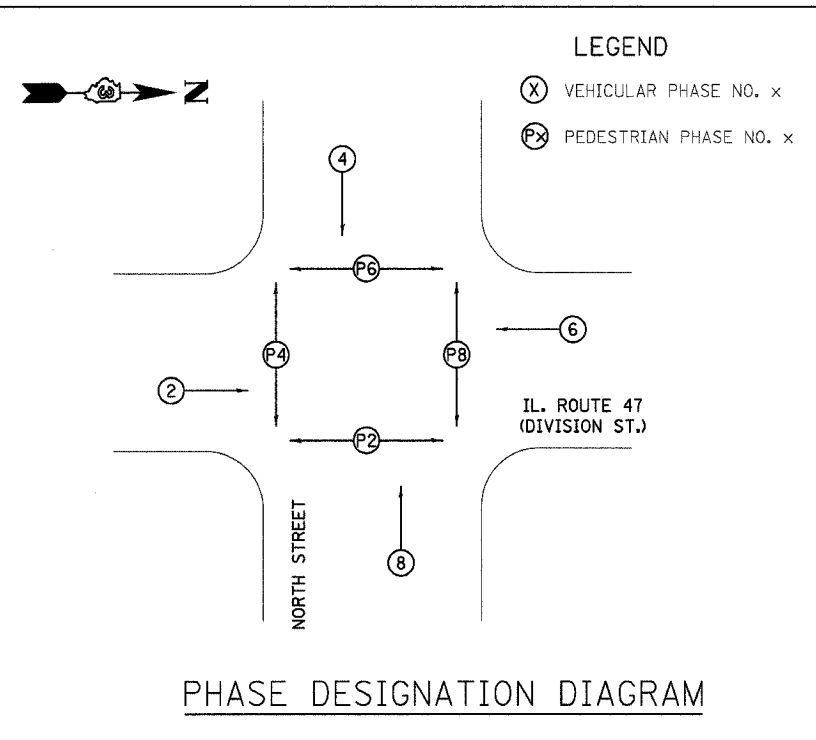
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMP. SIGNAL INSTALLATION
REMOVE EX. TRAFFIC EQUIPMENT
IL. 47 (DIVISION ST.) /
NORTH STREET

SCALE: 1"=20'
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

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REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DELIVERED BY THE CONTRACTOR TO THE CITY OF MORRIS, IF IT IS NOT BEING USED FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

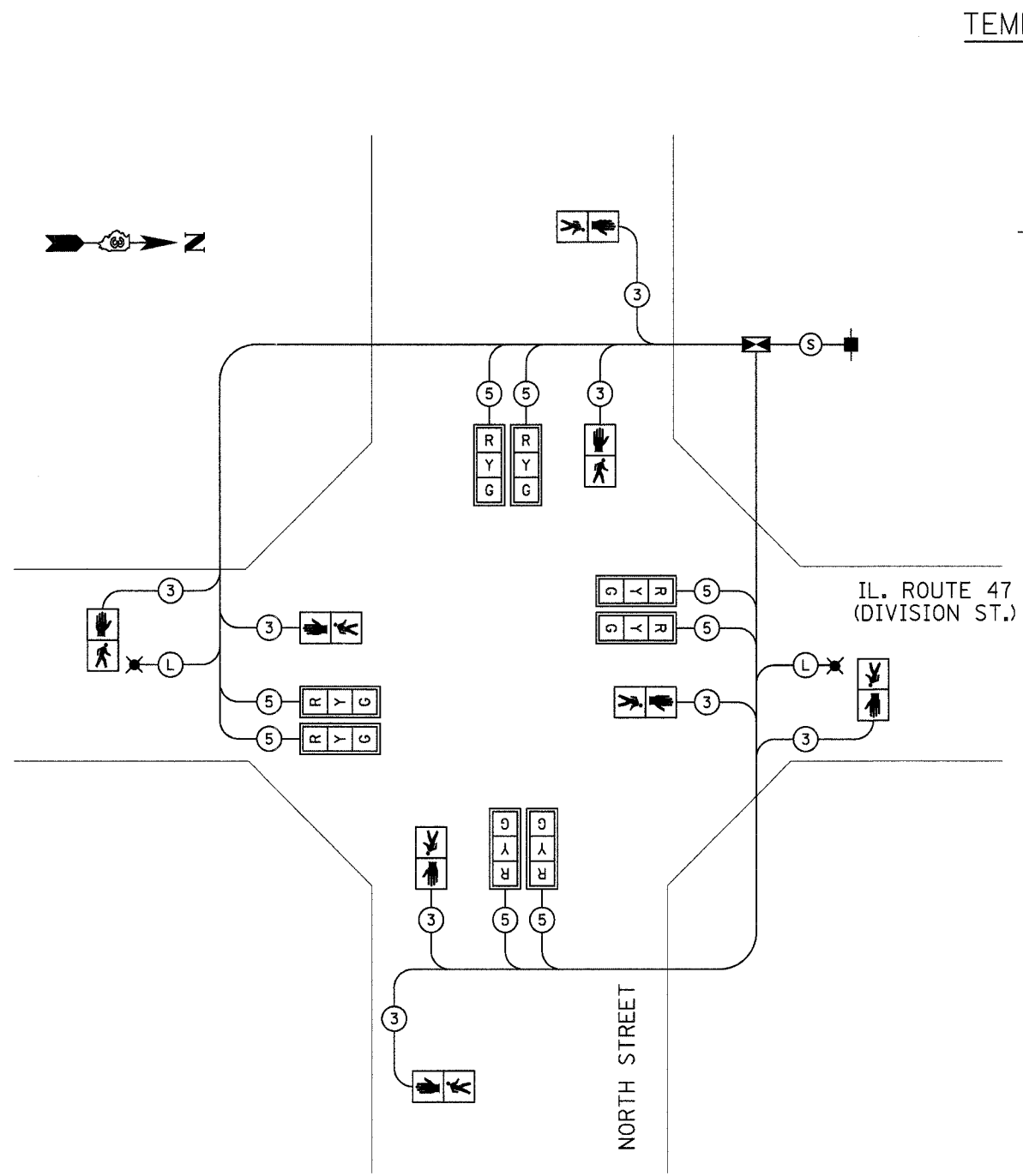
- EACH CONTROLLER AND CABINET COMPLETE
- EACH MAST ARM ASSEMBLY AND POLE
- EACH TRAFFIC SIGNAL POST
- EACH SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- EACH SERVICE INSTALLATION
- EACH JUNCTION BOX
- ALL WIRES

SCHEDULE OF REMOVAL ITEMS

ITEM	UNIT	QUANTITIES
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE EXISTING HANDHOLE	EACH	3



TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- TEMPORARY PEDESTRIAN SIGNAL HEAD
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 250 WATT

S SERVICE CABLE
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 3C

L LIGHTING CABLE
600V (XLP-TYPE USE) 3 - 1/C NO.10

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		PROPOSED TEMPORARY CABLE DIAGRAM IL. 47 (DIVISION ST.) / NORTH ST. SCALE: NONE DATE: JANUARY 2008 DRAWN BY: JVR CHECKED BY: FML

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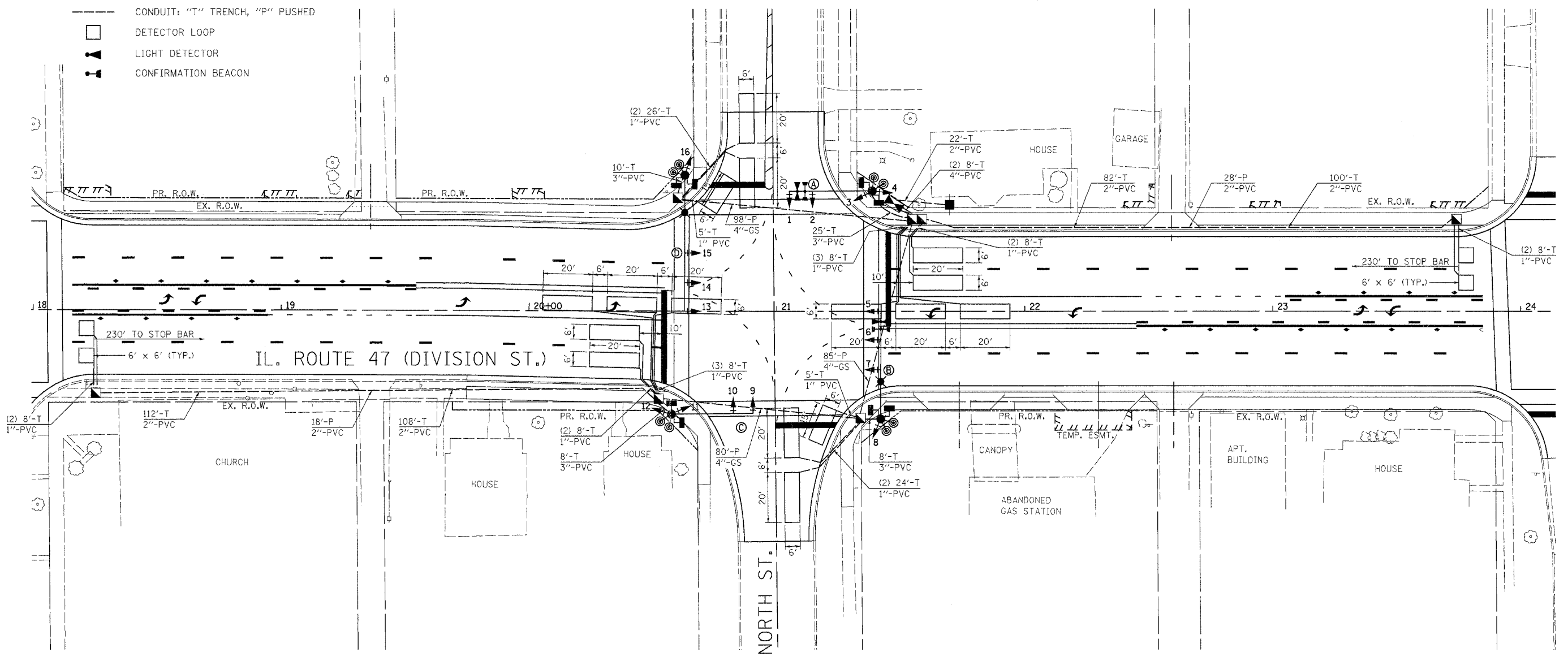
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&S-21		GRUNDY	85	42
STA. 18+00		TO STA. 24+10		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				

TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE, SODIUM VAPOR, 250 WATT
- CONDUIT: "T" TRENCH, "P" PUSHED
- DETECTOR LOOP
- LIGHT DETECTOR
- CONFIRMATION BEACON

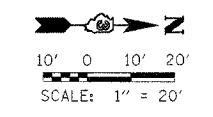
SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
1,2,6,7,9,10,14,15	SH, 1F, 3S, MAM	EACH	8
4,8,12,16	SH, 1F, 3S, BM	EACH	4
5,13	SH, 1F, 5S, MAM	EACH	2
3,11	SH, 1F, 5S, BM	EACH	2



SCHEDULE OF POLE/MAST ARM ASSEMBLIES

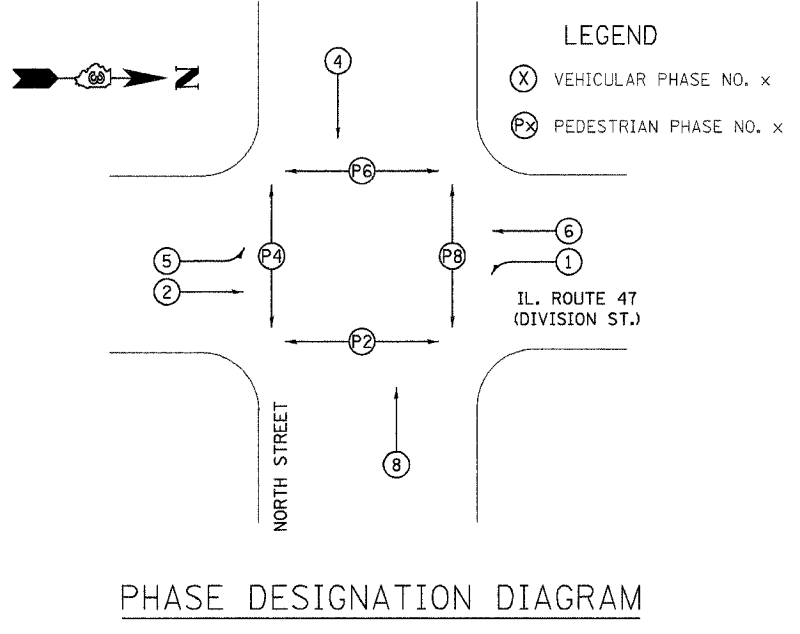
LOCATION	LENGTH
A	34' S. M.A.A. & POLE
B	44' S. COMB. M.A.A. & POLE
C	32' S. M.A.A. & POLE
D	55' S. COMB. M.A.A. & POLE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNAL MODERNIZATION
 IL. 47 (DIVISION ST.) / NORTH ST.
 SCALE: 1"=20'
 DATE: JANUARY 2008
 DRAWN BY: JVR
 CHECKED BY: FML

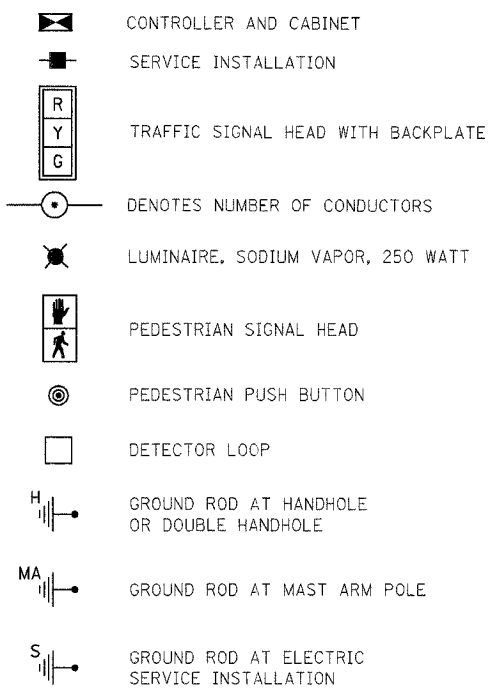
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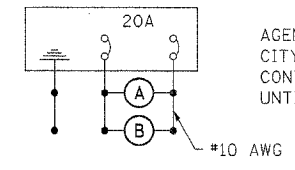
SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE B	EACH	1
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
LUMINAIRE, SODIUM VAPOR, HOR. MOUNT, 250 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	24
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	FT.	1148
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SIGN PANEL - TYPE 1	SQ. FT.	16
SIGN PANEL - TYPE 2	SQ. FT.	42.5
CONDUIT IN TRENCH 1 IN. DIA., PVC	FT.	96
CONDUIT IN TRENCH 2 IN. DIA., PVC	FT.	418
CONDUIT IN TRENCH 3 IN. DIA., PVC	FT.	51
CONDUIT IN TRENCH 4 IN. DIA., PVC	FT.	16
CONDUIT PUSHED, 2 IN. DIA., PVC	FT.	46
CONDUIT PUSHED, 4 IN. DIA., GALVANIZED STEEL	FT.	263
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT.	565
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT.	980
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6 GROUND	FT.	112
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FT.	1062
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FT.	1078
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FT.	2287
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FT.	704
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FT.	35
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1-PAIR	FT.	1572
STEEL MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FT.	3.5
CONCRETE FOUNDATION, TYPE E 30 IN. DIAMETER	FT.	50
LIGHTING CONTROLLER, SPECIAL	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
UNINTERRUPTABLE POWER SUPPLY	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20, 3/C, TWISTED, SHIELDED	FOOT	1108

PROPOSED CABLE DIAGRAM LEGEND



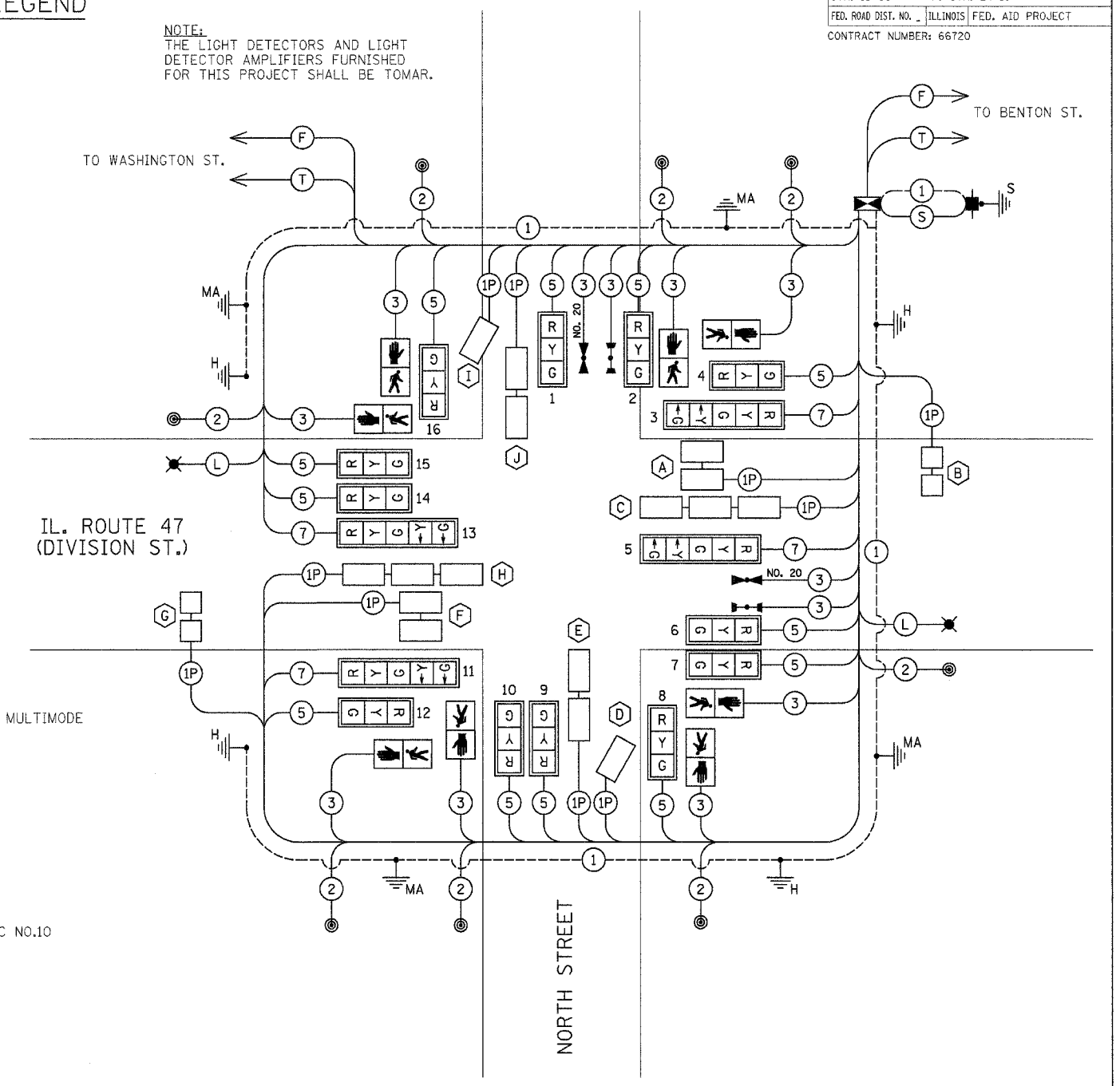
- INTERCONNECTION CABLE**
 - (F) FIBER OPTIC CABLE 12 FIBER MULTIMODE AND 12 FIBER SINGLE MODE
 - (T) TRACER CABLE NO. 14 1C
- SERVICE CABLE**
 - ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- LIGHTING CABLE**
 - 600V (XLP-TYPE USE) 3 - 1/C NO.10



LIGHTING CIRCUIT DIAGRAM

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF MORRIS
CONTRACTOR PAYS ALL ENERGY CHARGES
UNTIL PROJECT IS ACCEPTED

NOTE:
THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIERS FURNISHED FOR THIS PROJECT SHALL BE TOMAR.

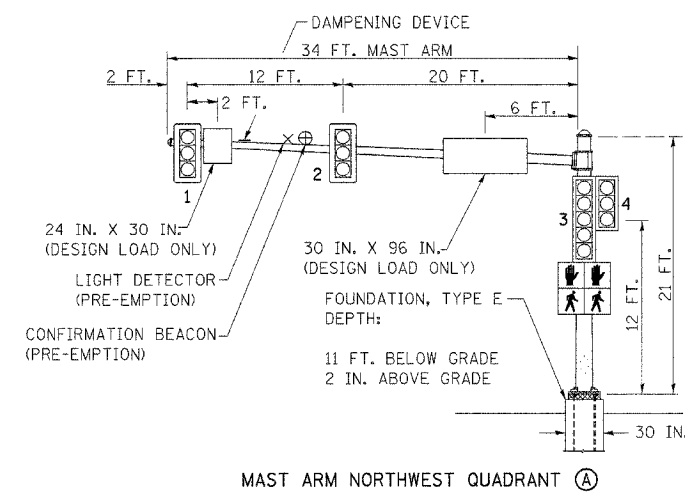


REVISIONS	DATE

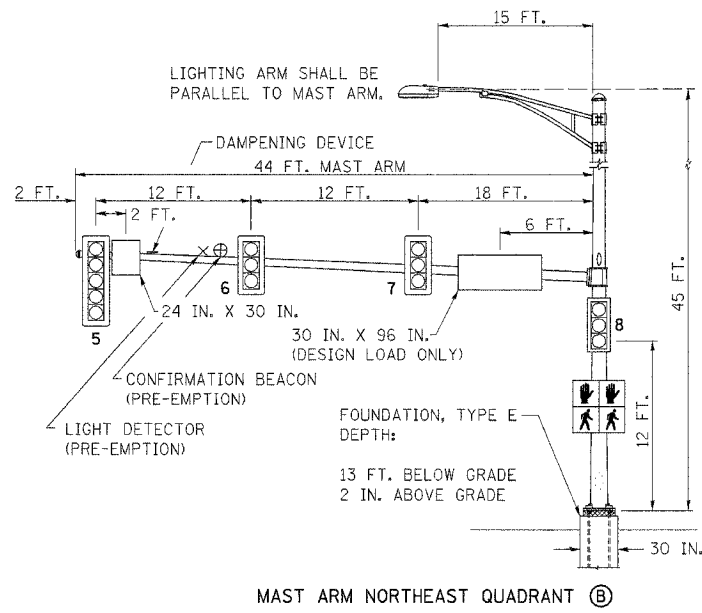
ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE DIAGRAM, CABLE DIAGRAM
SCHEDULE OF QUANTITIES
IL. 47 (DIVISION ST.) /
NORTH ST.

SCALE: NONE
DATE: JANUARY 2008

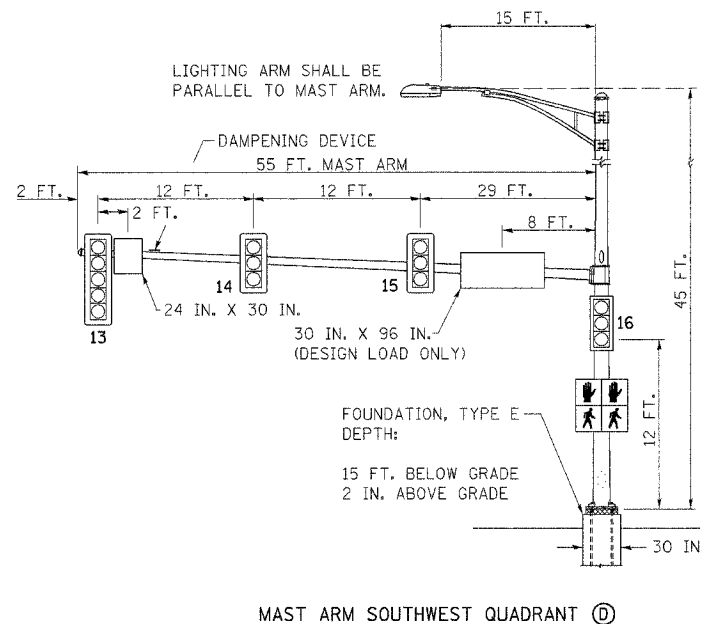
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CHECKED BY: FML



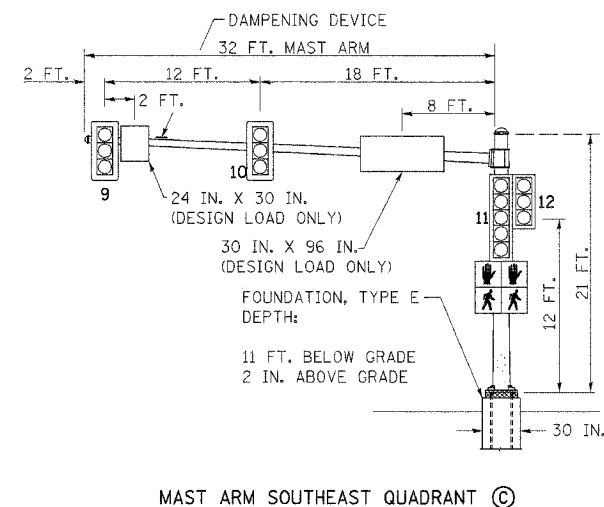
MAST ARM NORTHWEST QUADRANT (A)



MAST ARM NORTHEAST QUADRANT (B)



MAST ARM SOUTHWEST QUADRANT (D)



MAST ARM SOUTHEAST QUADRANT (C)

ELECTRICAL LOAD CHART

IL ROUTE 47

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	10	12	60
YELLOW	10	32	5
GREEN	10	12	35
YELLOW ARROW	4	12	5
GREEN ARROW	4	11	10
↑	4	7	5
↓	4	7	95

NORTH STREET

RED	10	12	70
YELLOW	10	32	5
GREEN	10	12	25
↑	4	7	5
↓	4	7	95

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
INDUCTIVE LOOP DETECTOR UNINTERRUPTABLE	10	1.5	100
POWER SUPPLY	1	50	100
LIGHT DETECTOR AMPLIFIER	1	1.5	100

HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	2	250	45

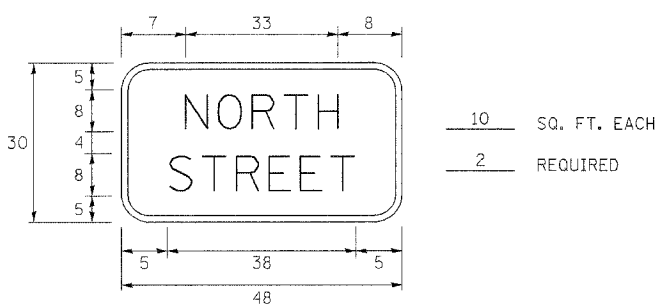
DETECTOR LOOP INDUCTANCE CHART

DETECTOR LOOP SYSTEM	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	282	36344	OFF
B	5	268	30205	ON
C	4	382	31227	ON
D	4	680	29570	OFF
E	4	404	30365	ON
F	4	326	33802	OFF
G	5	290	35833	ON
H	4	470	28152	ON
I	4	884	38295	OFF
J	4	382	31227	ON

STREET SIGN DETAIL

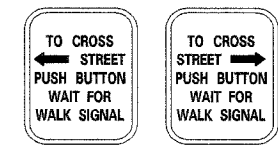
THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

- STREET NAME SIGNS:
1. TYPE A SHEETING REQUIRED
 2. WHITE/GREEN BACKGROUND
 3. STYLE (d) - 5/8 IN. BORDER
 4. 8 IN. SERIES D LETTERS
 5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



NOTES:
WORD "GRADE" IS TO BE INTERPRETED AS TOP OF CURB. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 IN. ABOVE THE SURROUNDING GROUND.

PEDESTRIAN CROSSING SIGN DETAIL



R10-4a LEFT OR RIGHT

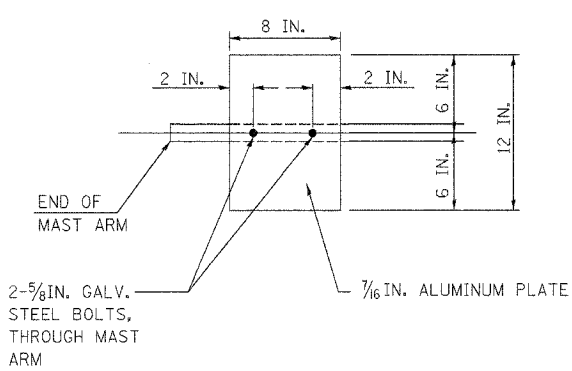
8 REQUIRED

DIMENSIONS: 9 IN. x 12 IN. (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: NON-REFLECTORIZED WHITE

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.



DAMPENING PLATE DETAIL
(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM LOADING DIAGRAM
ELECTRICAL LOAD CHART
SIGN DETAILS
IL. 47 (DIVISION ST.) / NORTH STREET

SCALE: NONE
DATE: JANUARY 2008
DRAWN BY: JVR
CHECKED BY: FML

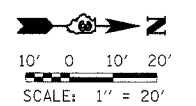
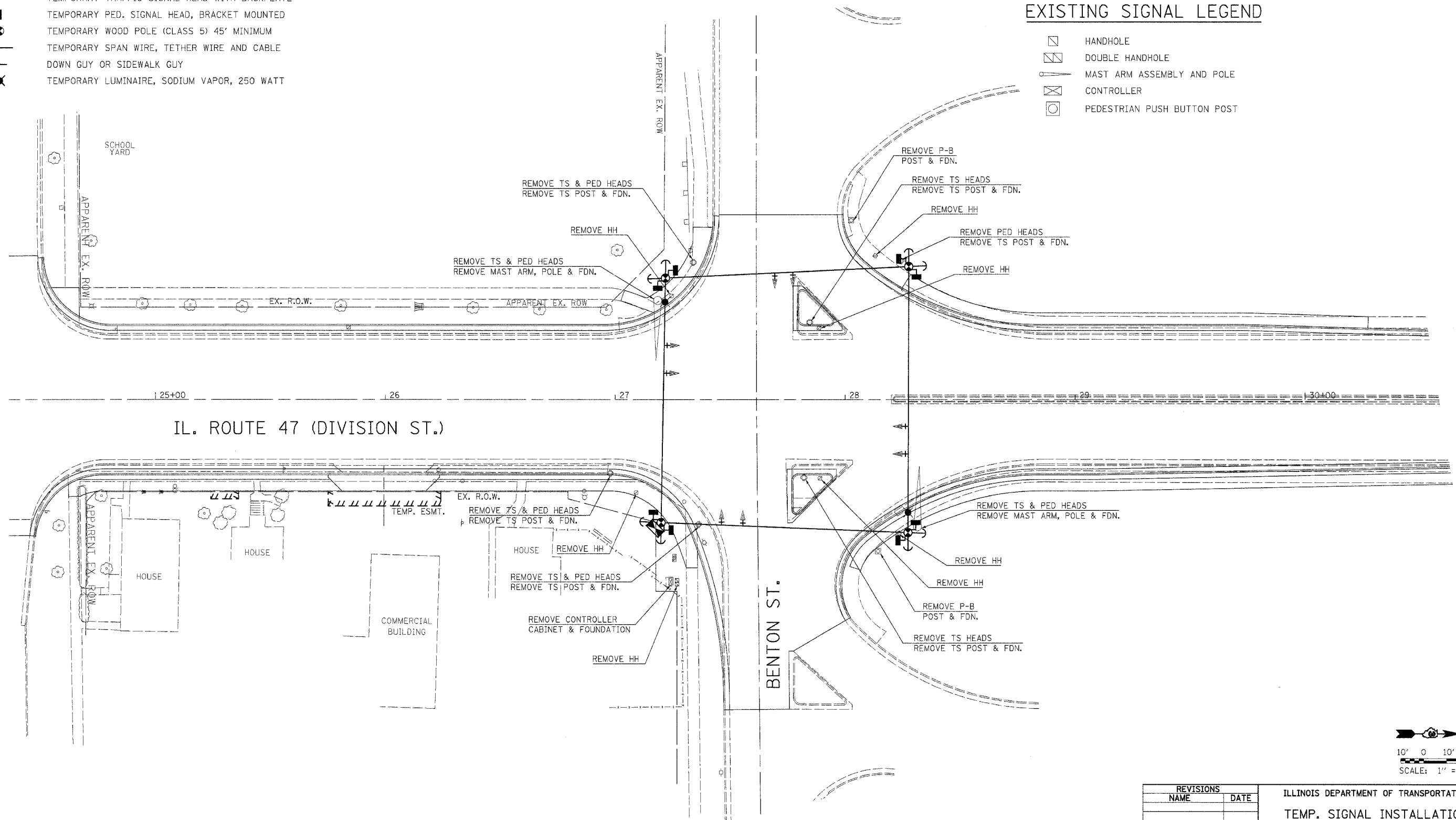
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	45
STA. 24+30		TO STA. 30+65		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY CONTROLLER AND CABINET
- TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- TEMPORARY PED. SIGNAL HEAD, BRACKET MOUNTED
- TEMPORARY WOOD POLE (CLASS 5) 45' MINIMUM
- TEMPORARY SPAN WIRE, TETHER WIRE AND CABLE
- DOWN GUY OR SIDEWALK GUY
- TEMPORARY LUMINAIRE, SODIUM VAPOR, 250 WATT

EXISTING SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- MAST ARM ASSEMBLY AND POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON POST



REVISIONS	
NAME	DATE



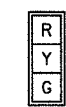



ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMP. SIGNAL INSTALLATION
 REMOVE EX. TRAFFIC EQUIPMENT
 IL. 47 (DIVISION ST.) /
 BENTON STREET

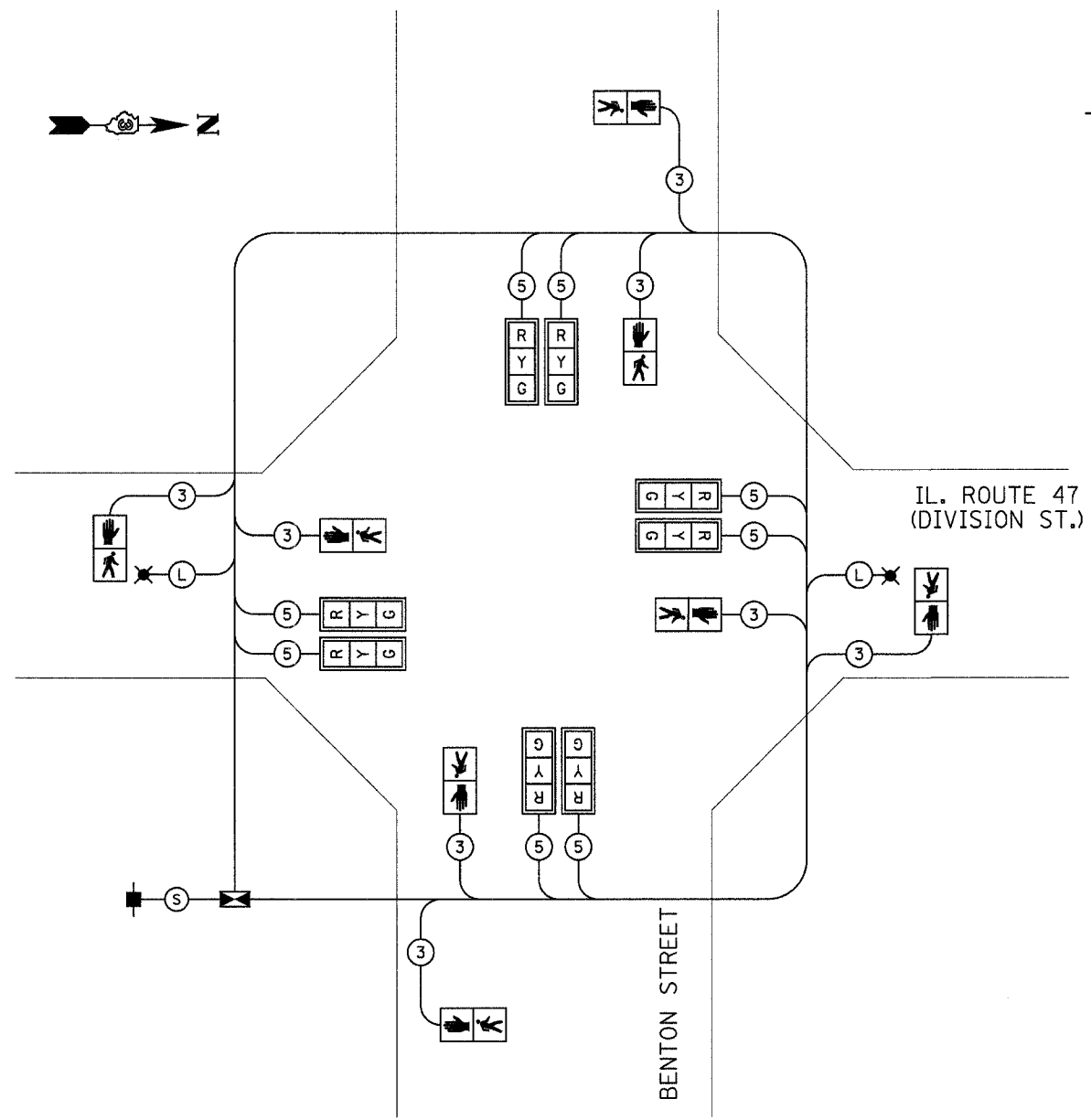
SCALE: 1"=20'
 DATE: JANUARY 2008

DRAWN BY: JVR
 CHECKED BY: FML

TRAFFIC SIGNAL PLANS - IL ROUTE 47 & BENTON ST.

TEMPORARY CABLE DIAGRAM LEGEND

-  TEMPORARY CONTROLLER
-  TEMPORARY SERVICE INSTALLATION
-  TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
-  DENOTES NUMBER OF CONDUCTORS
-  TEMPORARY PEDESTRIAN SIGNAL HEAD
-  TEMPORARY LUMINAIRE, SODIUM VAPOR, 250 WATT



TEMPORARY CABLE DIAGRAM

- (S) **SERVICE CABLE**
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 3C
- (L) **LIGHTING CABLE**
600V (XLP-TYPE USE) 3 - 1/C NO.10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

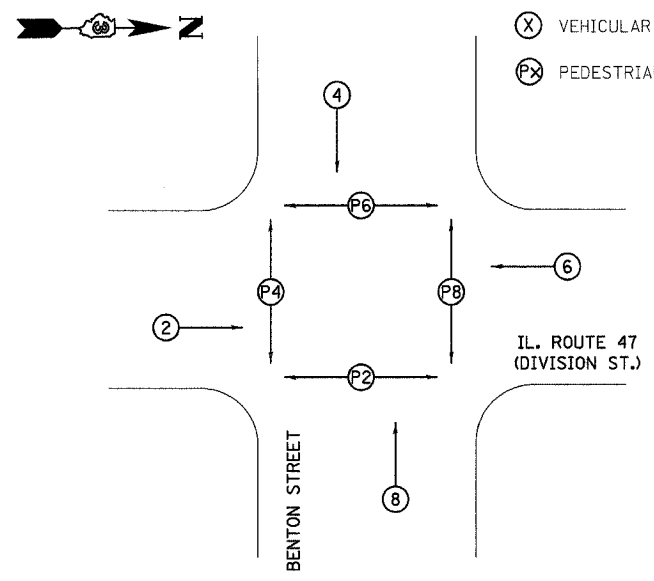
PROPOSED TEMPORARY CABLE DIAGRAM
IL. 47 (DIVISION ST.) / BENTON ST.

SCALE: NONE
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

LEGEND

- (X) VEHICULAR PHASE NO. x
- (Px) PEDESTRIAN PHASE NO. x



PHASE DESIGNATION DIAGRAM

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DELIVERED BY THE CONTRACTOR TO THE CITY OF MORRIS, IF IT IS NOT BEING USED FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

- 1 EACH CONTROLLER AND CABINET COMPLETE
- 2 EACH MAST ARM ASSEMBLY AND POLE
- 12 EACH SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 1 EACH SERVICE INSTALLATION
- 6 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN PUSH BUTTON POST
- ALL WIRES

SCHEDULE OF REMOVAL ITEMS

ITEM	UNIT	QUANTITIES
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
REMOVE EXISTING HANDHOLE	EACH	7

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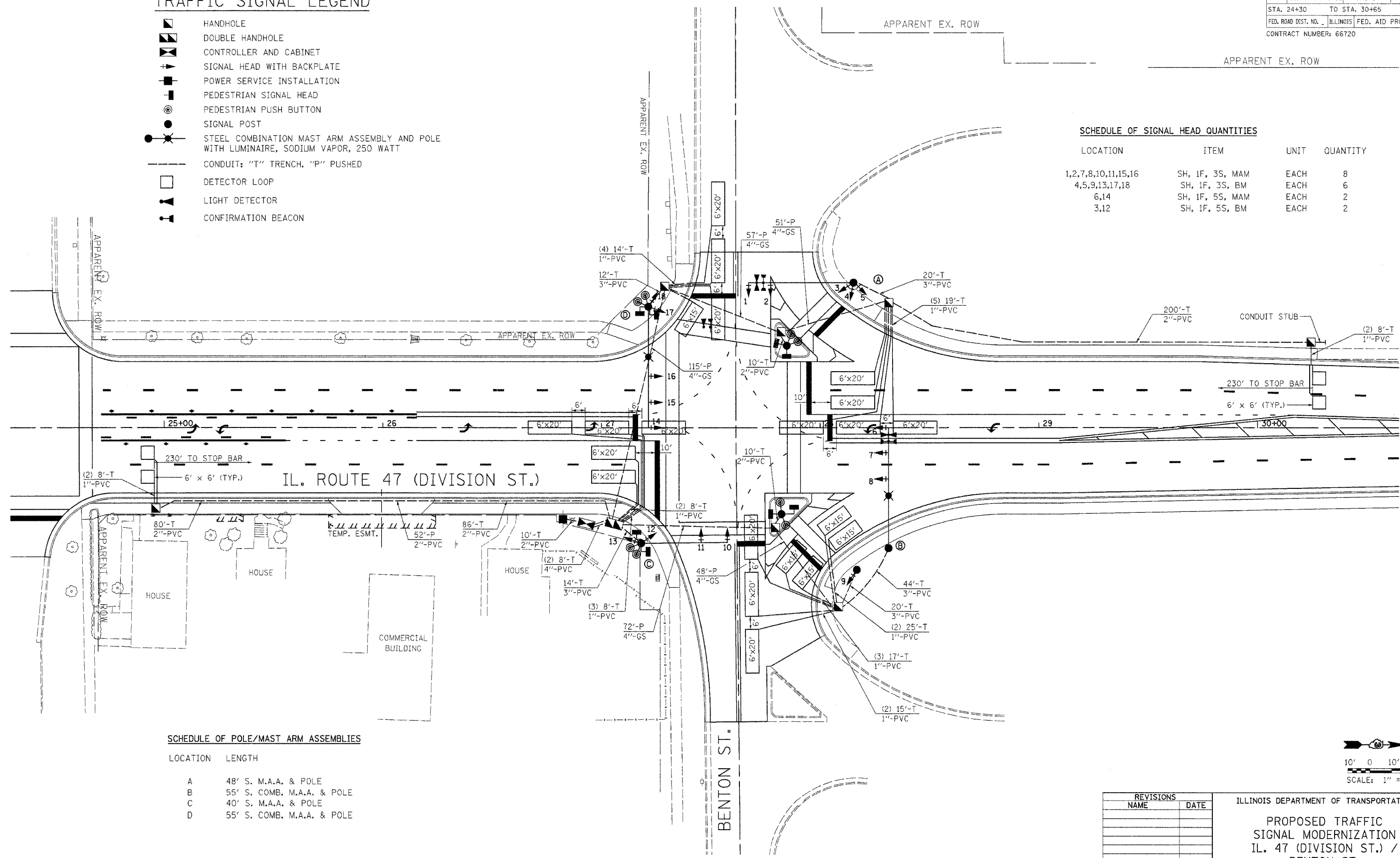
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	47
STA. 24+30 TO STA. 30+65		ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				

TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE, SODIUM VAPOR, 250 WATT
- CONDUIT: "T" TRENCH, "P" PUSHED
- DETECTOR LOOP
- LIGHT DETECTOR
- CONFIRMATION BEACON

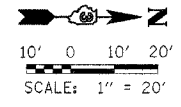
SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
1,2,7,8,10,11,15,16	SH, 1F, 3S, MAM	EACH	8
4,5,9,13,17,18	SH, 1F, 3S, BM	EACH	6
6,14	SH, 1F, 5S, MAM	EACH	2
3,12	SH, 1F, 5S, BM	EACH	2



SCHEDULE OF POLE/MAST ARM ASSEMBLIES

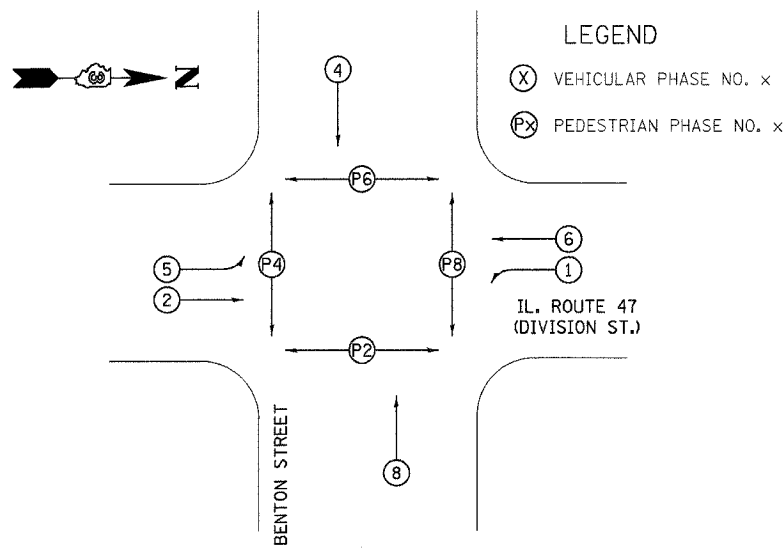
LOCATION	LENGTH
A	48' S. M.A.A. & POLE
B	55' S. COMB. M.A.A. & POLE
C	40' S. M.A.A. & POLE
D	55' S. COMB. M.A.A. & POLE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNAL MODERNIZATION
 IL. 47 (DIVISION ST.) / BENTON ST.
 SCALE: 1"=20'
 DATE: JANUARY 2008
 DRAWN BY: JVR
 CHECKED BY: FML

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PHASE DESIGNATION DIAGRAM

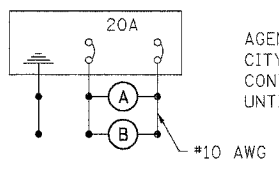
SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE B	EACH	1
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	7
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
LUMINAIRE, SODIUM VAPOR, HOR. MOUNT, 250 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	26
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	FT.	2240
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
SIGN PANEL - TYPE 1	SQ.FT.	16
SIGN PANEL - TYPE 2	SQ.FT.	42.5
CONDUIT IN TRENCH 1 IN. DIA., PVC	FT.	310
CONDUIT IN TRENCH 2 IN. DIA., PVC	FT.	186
CONDUIT IN TRENCH 3 IN. DIA., PVC	FT.	120
CONDUIT IN TRENCH 4 IN. DIA., PVC	FT.	16
CONDUIT PUSHED, 2 IN. DIA., PVC	FT.	252
CONDUIT PUSHED, 4 IN. DIA., GALVANIZED STEEL	FT.	343
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT.	684
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT.	1420
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6 GROUND	FT.	238
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FT.	1810
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FT.	1866
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FT.	2786
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FT.	1144
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1-PAIR	FT.	2045
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FT.	45
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FT.	9
CONCRETE FOUNDATION, TYPE C	FT.	4
CONCRETE FOUNDATION, TYPE E, 30 IN. DIAMETER	FT.	45
LIGHTING CONTROLLER, SPECIAL	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20, 3/C, TWISTED, SHIELDED	FOOT	2704

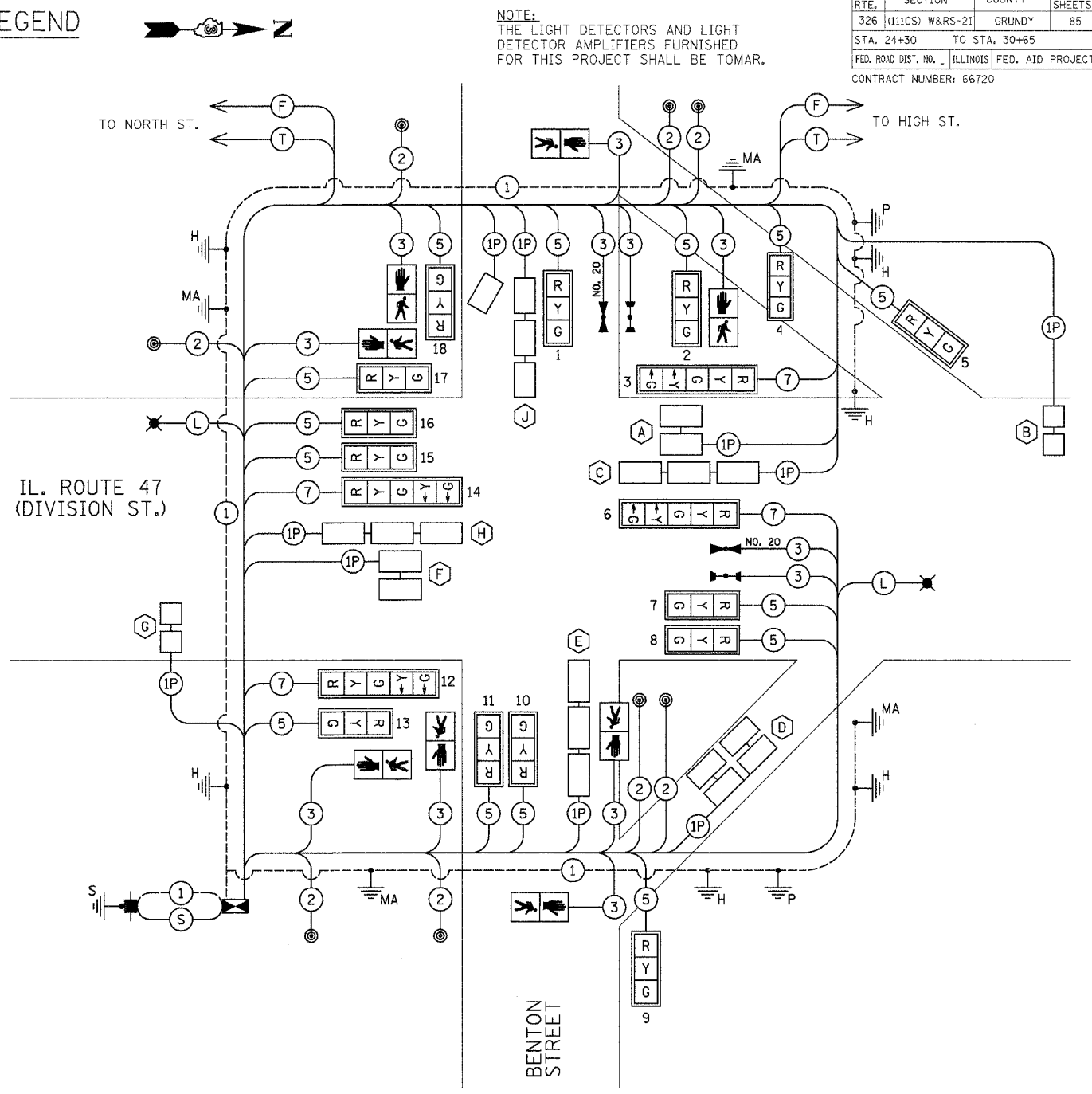
PROPOSED CABLE DIAGRAM LEGEND

- CONTROLLER AND CABINET
- SERVICE INSTALLATION
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- LUMINAIRE, SODIUM VAPOR, 250 WATT
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- DETECTOR LOOP
- GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION

- INTERCONNECTION CABLE**
- (F) FIBER OPTIC CABLE 12 FIBER MULTIMODE AND 12 FIBER SINGLE MODE
- (T) TRACER CABLE NO. 14 1C
- SERVICE CABLE**
- (S) ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- LIGHTING CABLE**
- (L) 600V (XLP-TYPE USE) 3 - 1/C NO.10



LIGHTING CIRCUIT DIAGRAM



NOTE:
THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIERS FURNISHED FOR THIS PROJECT SHALL BE TOMAR.

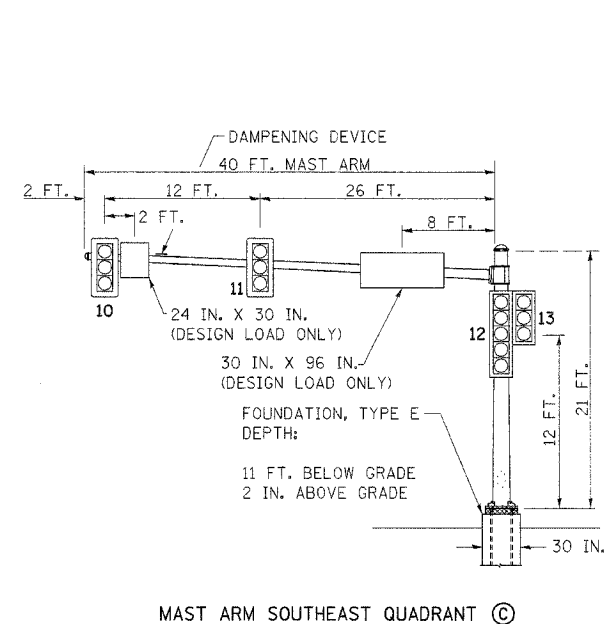
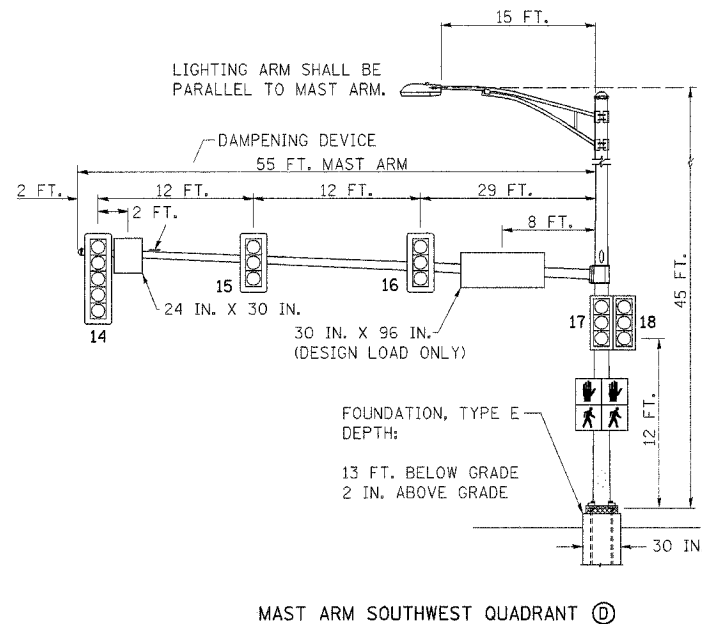
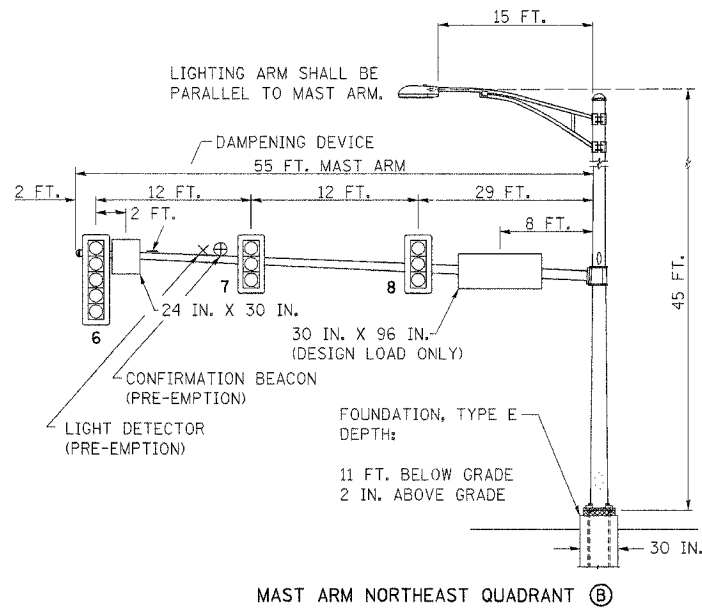
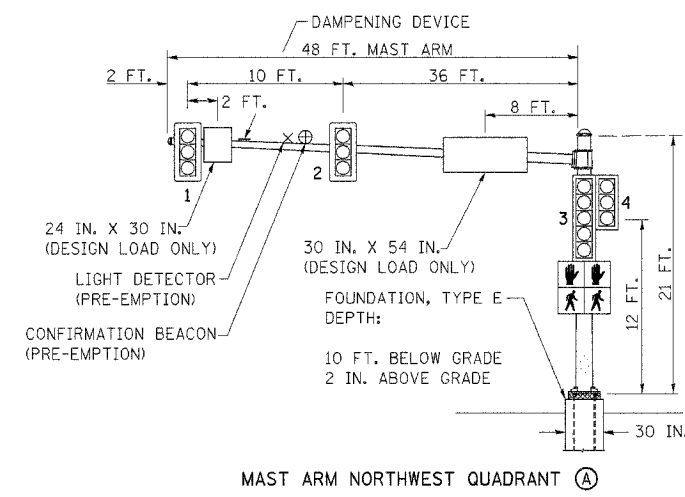
CABLE DIAGRAM

CONTROLLER SPECIFIED: EAGLE EPAC

AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF MORRIS
CONTRACTOR PAYS ALL ENERGY CHARGES UNTIL PROJECT IS ACCEPTED

REVISIONS	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PHASE DIAGRAM, CABLE DIAGRAM
SCHEDULE OF QUANTITIES
IL. 47 (DIVISION ST.) / BENTON ST.
SCALE: NONE
DATE: JANUARY 2008
DRAWN BY: JVR
CHECKED BY: FML



ELECTRICAL LOAD CHART

IL ROUTE 47

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	11	12	60
YELLOW	11	32	5
GREEN	11	12	35
YELLOW ARROW	4	12	5
GREEN ARROW	4	11	10
▲	4	7	5
▼	4	7	95

BENTON STREET

RED	11	12	70
YELLOW	11	32	5
GREEN	11	12	25
▲	4	7	5
▼	4	7	95

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
INDUCTIVE LOOP DETECTOR UNINTERRUPTABLE	10	1.5	100
POWER SUPPLY	1	50	100
LIGHT DETECTOR AMPLIFIER	1	1.5	100

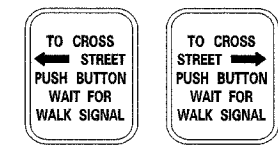
HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	2	250	45

DETECTOR LOOP INDUCTANCE CHART

DETECTOR LOOP SYSTEM	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	304	36004	OFF
B	5	290	36839	ON
C	4	470	28152	ON
D	4	884	38295	OFF
E	4	404	30365	ON
F	4	254	38295	OFF
G	5	268	37281	ON
H	4	404	30365	ON
I	4	884	38295	OFF
J	4	680	29570	ON

PEDESTRIAN CROSSING SIGN DETAIL



R10-4a LEFT OR RIGHT

8 REQUIRED

DIMENSIONS: 9 IN. x 12 IN. (TYP.)
 LEGEND AND BORDER: NON-REFLECTORIZED BLACK
 BACKGROUND: NON-REFLECTORIZED WHITE

ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON. ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

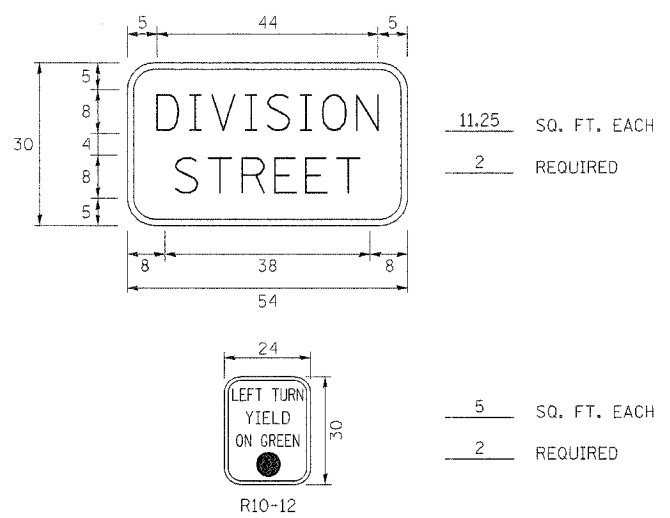
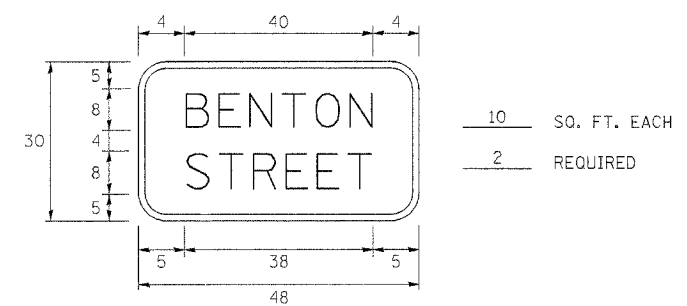
ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

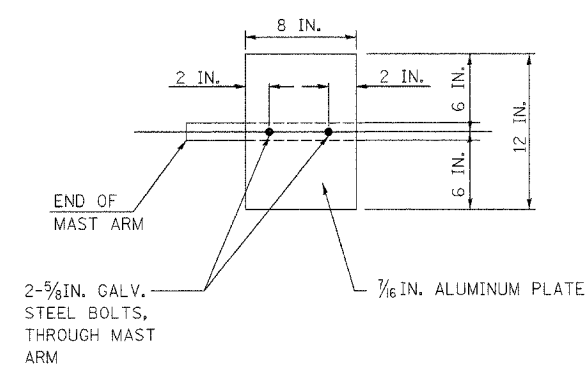
STREET SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

- STREET NAME SIGNS:
- TYPE A SHEETING REQUIRED
 - WHITE/GREEN BACKGROUND
 - STYLE (d) - 5/8 IN. BORDER
 - 8 IN. SERIES D LETTERS
 - ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



NOTES:
 WORD "GRADE" IS TO BE INTERPRETED AS TOP OF CURB. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 IN. ABOVE THE SURROUNDING GROUND.



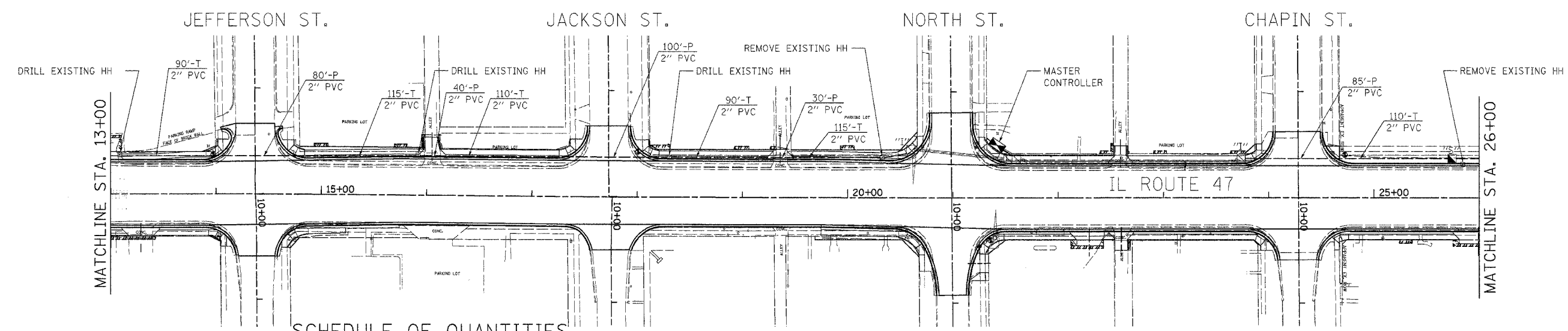
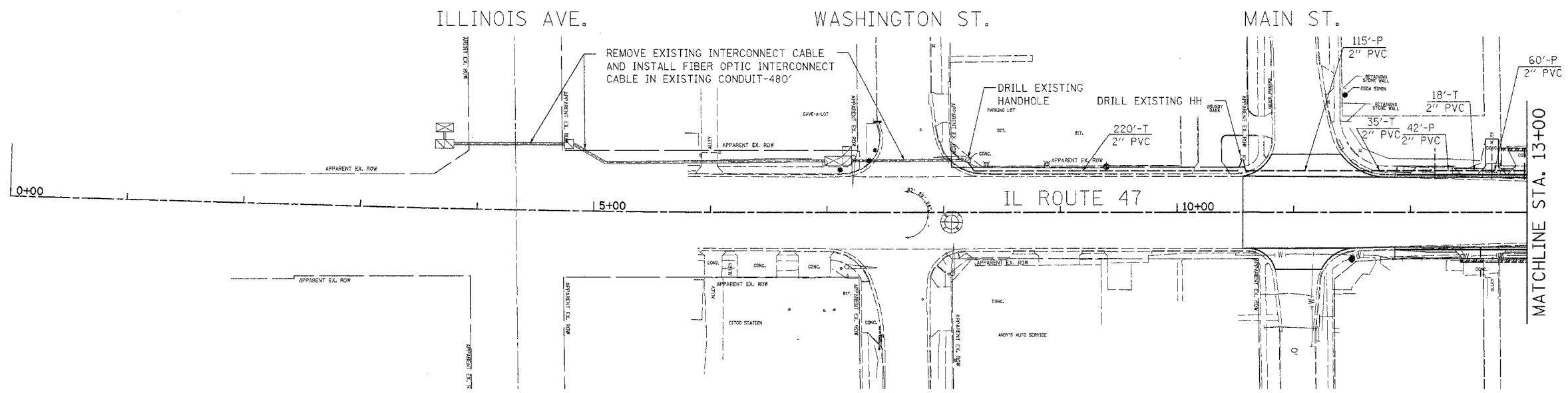
DAMPENING PLATE DETAIL

(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MAST ARM LOADING DIAGRAM
 ELECTRICAL LOAD CHART
 SIGN DETAILS
 IL. 47 (DIVISION ST.) / BENTON STREET
 SCALE: NONE DRAWN BY: JVR
 DATE: JANUARY 2008 CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	50
STA. 2+00 TO STA. 26+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NUMBER: 66720				

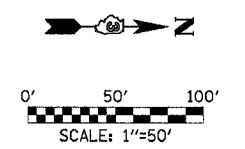


SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
CONDUIT IN TRENCH, 2 INCH DIA., PVC	FT.	2738
CONDUIT IN TRENCH, 4 INCH DIA., PVC	FT.	10
CONDUIT PUSHED, 2 INCH DIA., PVC	FT.	1172
CONDUIT ATTACHED TO STRUCTURE, 2 INCH DIA., GALVANIZED STEEL	FT.	515
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT.	2748
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24 IN. X 24 IN. X 10 IN.	EACH	8
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FT.	480
FULL-ACTUATED CONTROLLER, AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIEIVER - FIBER OPTIC	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	8
LIGHTING CONTROLLER, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	3
CONCRETE FOUNDATION, TYPE C	FOOT	6
FIBER OPTIC IN CONDUIT, NO. 62.5/125 MM12F SM12F	FT.	5220
SERVICE INSTALLATION TYPE B	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6, 2C	FT.	40
DRILL EXISTING HANDHOLE	EACH	12
TRACER CABLE NO. 14 1C	FT.	5220

INTERCONNECT PLAN LEGEND

		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
		CONDUIT: "T" TRENCHED, "P" PUSHED, "AS" ATTACHED TO STRUCTURE
		"S" SYSTEM
		"I" INTERSECTION



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

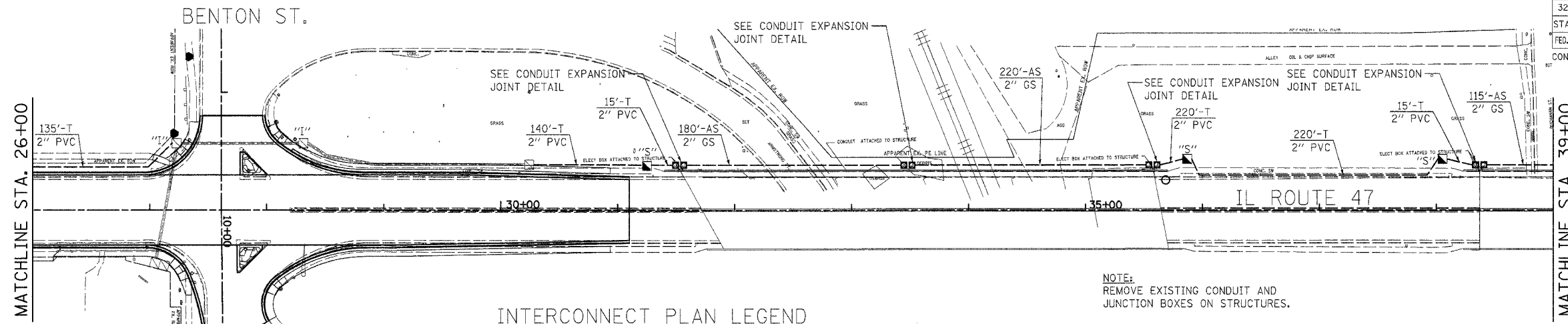
INTERCONNECT PLAN
IL. RTE. 47 (DIVISION ST.)
SHEET 1 OF 3

SCALE: 1"=50'
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

INTERCONNECT PLANS - IL ROUTE 47

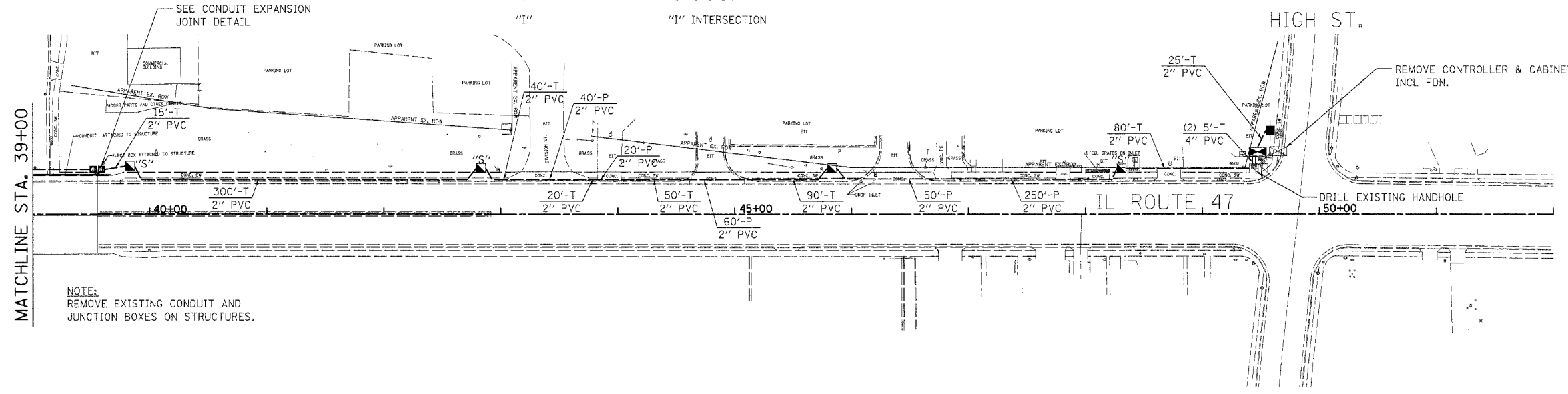
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&S-21	GRUNDY	85	51
STA. 26+00		TO STA. 52+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NUMBER: 66720				



INTERCONNECT PLAN LEGEND

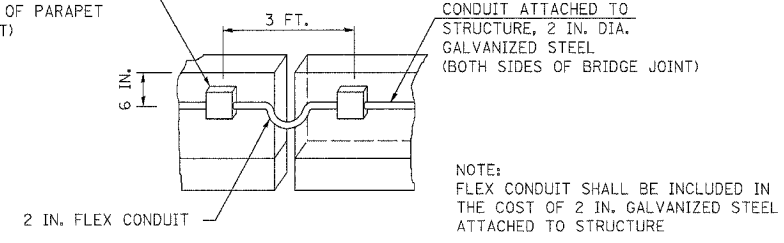
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
CONDUIT: "T" TRENCHED, "P" PUSHED, "AS" ATTACHED TO STRUCTURE		
"S"		"S" SYSTEM
"I"		"I" INTERSECTION

NOTE:
REMOVE EXISTING CONDUIT AND JUNCTION BOXES ON STRUCTURES.



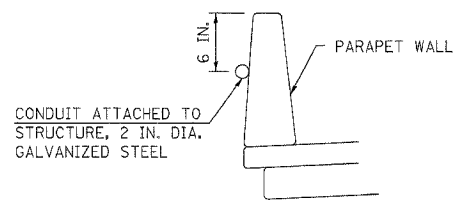
NOTE:
REMOVE EXISTING CONDUIT AND JUNCTION BOXES ON STRUCTURES.

24 IN. X 24 IN. X 10 IN. JUNCTION BOX, STAINLESS STEEL, ATTACHED TO OUTSIDE FACE OF PARAPET WALL (2 PER JOINT)

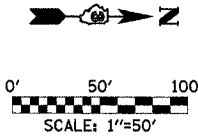


CONDUIT EXPANSION JOINT DETAIL
NOT TO SCALE

NOTE:
CONDUIT SHALL BE ATTACHED TO STRUCTURE IN ACCORDANCE WITH SECTION 8.11.03(B) OF THE STANDARD SPECIFICATIONS



CONDUIT ATTACHMENT TO STRUCTURE DETAIL
NOT TO SCALE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

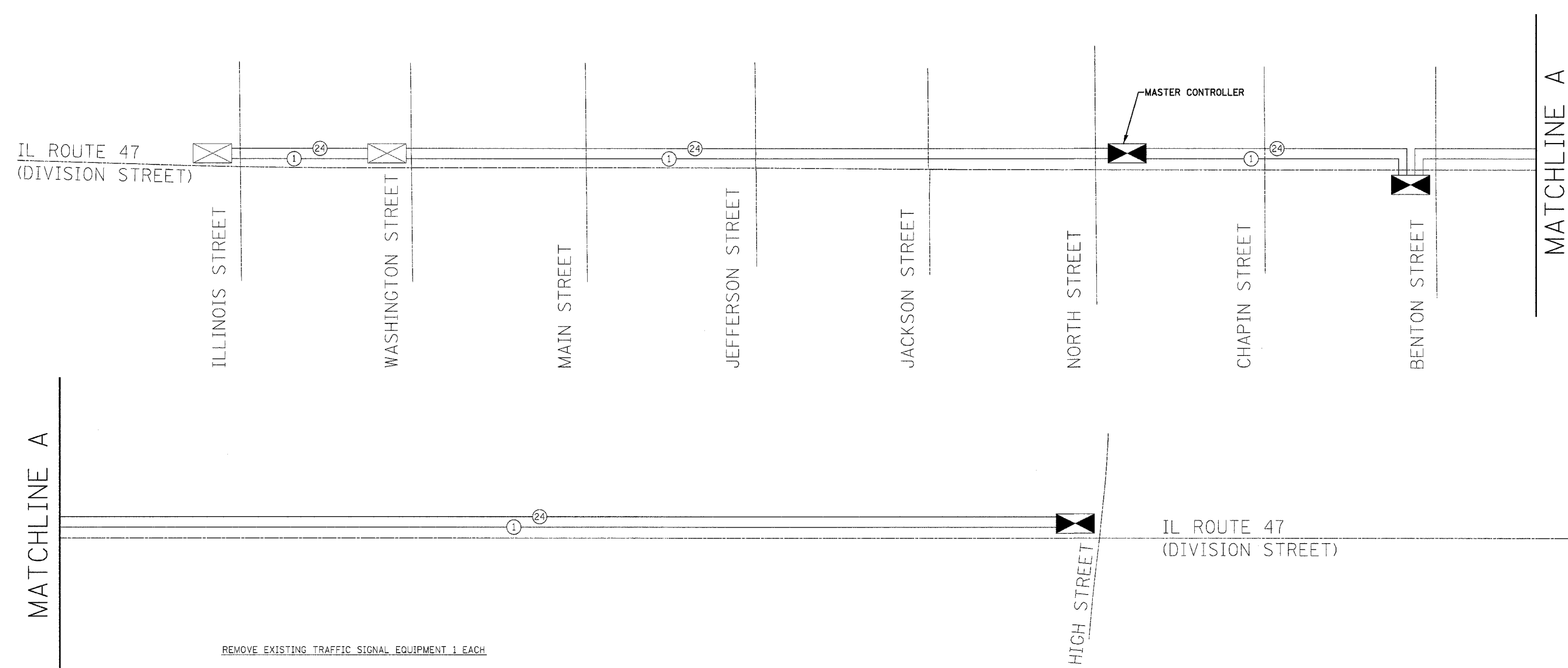
INTERCONNECT PLAN
IL. RTE. 47 (DIVISION ST.)
SHEET 2 OF 3

SCALE: 1"=50'
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

INTERCONNECT PLANS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&S-21		GRUNDY	85	52
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DELIVERED BY THE CONTRACTOR TO THE CITY OF MORRIS, IF IT IS NOT BEING USED FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

1 EACH CONTROLLER AND CABINET COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

JUNCTION BOXES & CONDUIT ATTACHED TO STRUCTURES
ALL WIRES

SCHEDULE OF REMOVAL ITEMS

ITEM	UNIT	QUANTITIES
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2

IL ROUTE 47
(DIVISION STREET)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

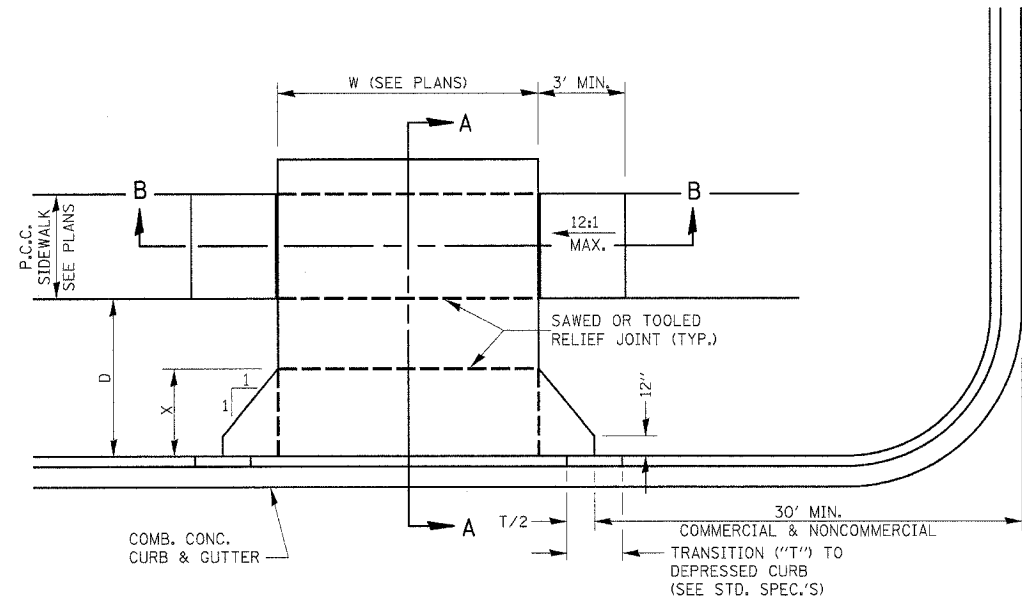
INTERCONNECT SCHEMATIC
IL. RTE. 47 (DIVISION ST.)
SHEET 3 OF 3

SCALE: NONE
DATE: JANUARY 2008

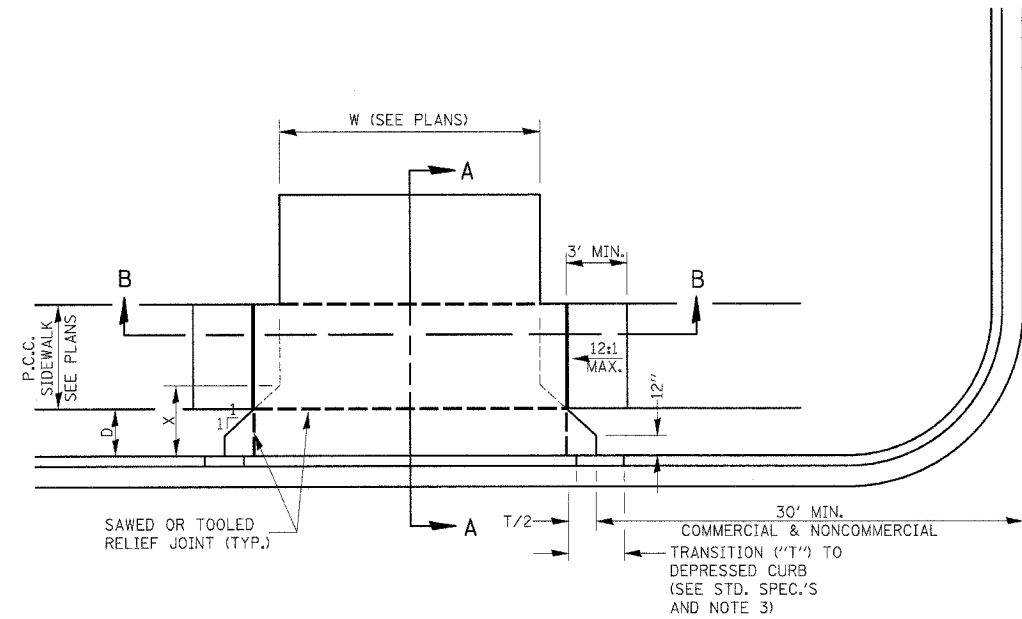
DRAWN BY: JVR
CHECKED BY: FML

\\plans\Interconnect-3.dgn 2/18/2008 4:38:43 PM

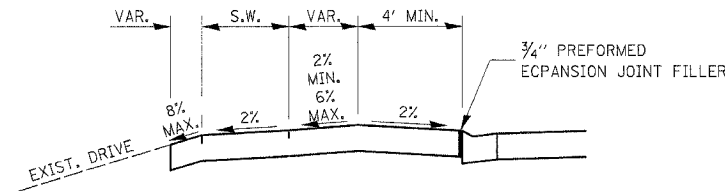
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CASE I (D ≥ X)

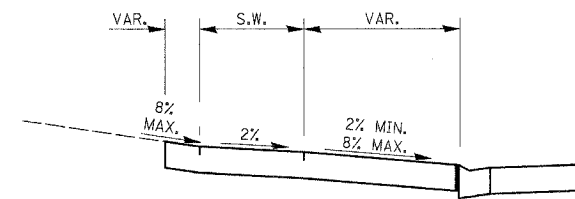


CASE I (D < X)

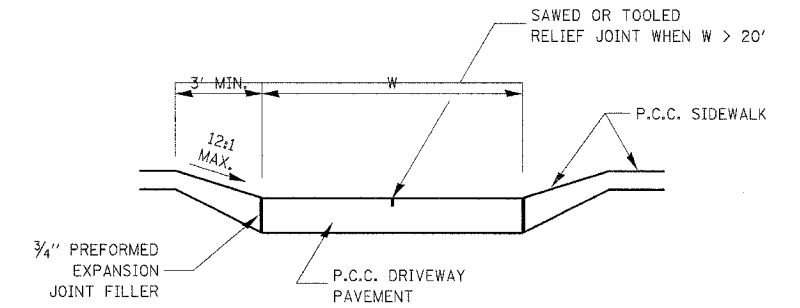


DEPRESSED ENTRANCE*
SECTION A-A

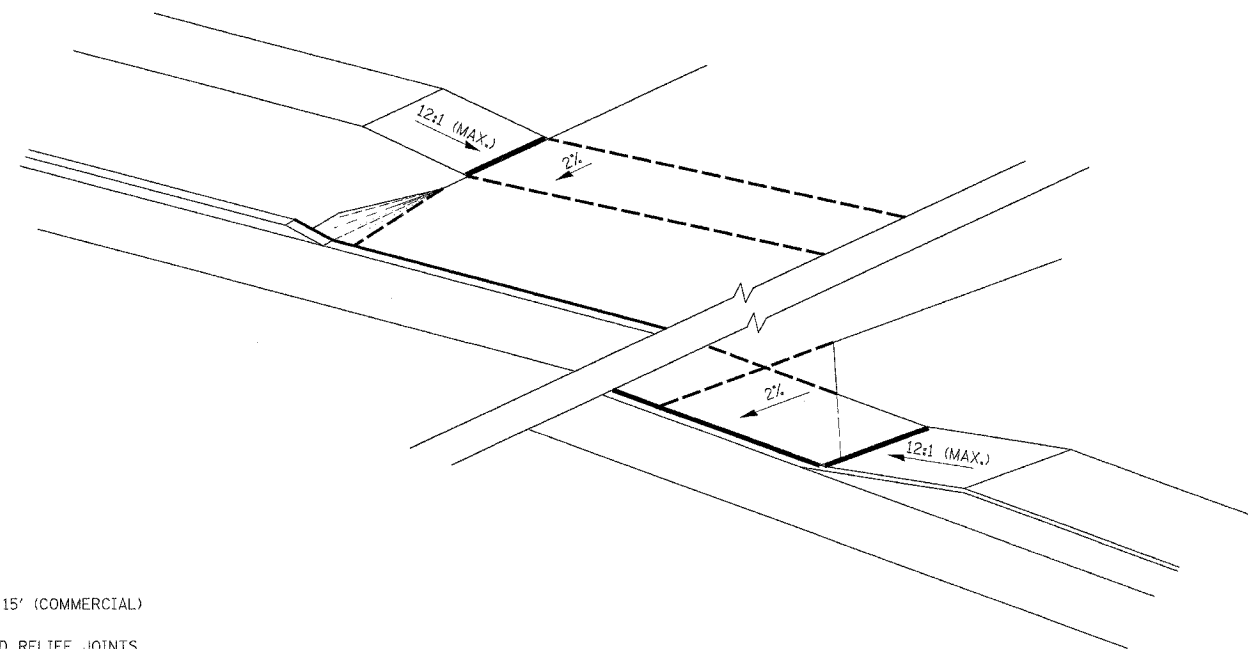
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE*
SECTION A-A



SECTION B-B



GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)
2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.
3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1

PCC URBAN ENTRANCES

423-1

REVISIONS	
NAME	DATE

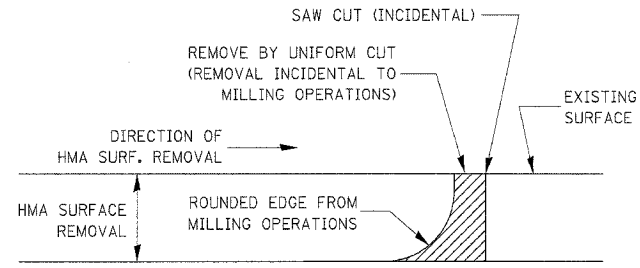
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

IL ROUTE 47 - DISTRICT DETAILS

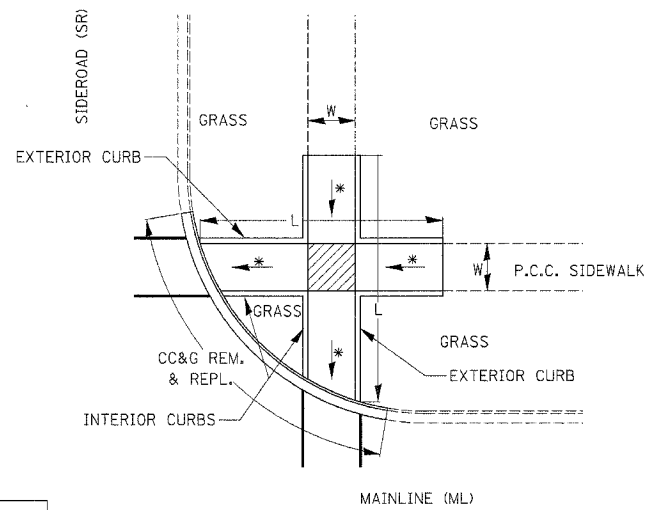
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	54
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

406-8

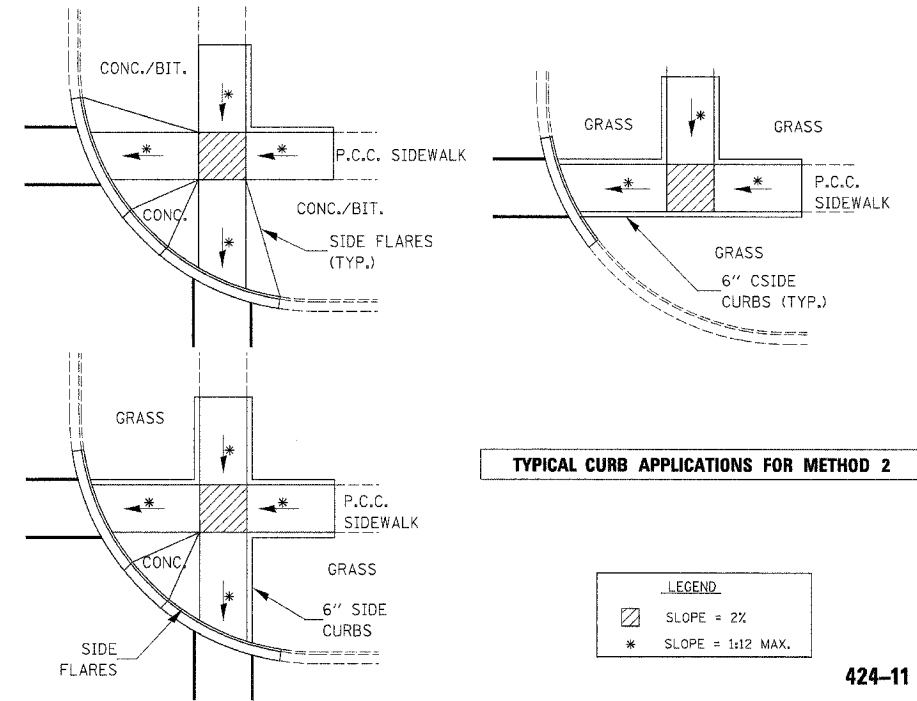


LEGEND

	SLOPE = 2%
*	SLOPE = 1:12 MAX.

METHOD 2

424-10
ADA SIDEWALK
ACCESSIBILITY RAMPS

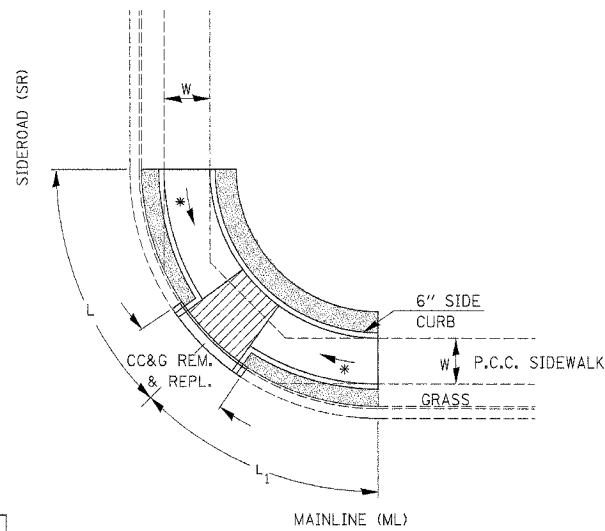


TYPICAL CURB APPLICATIONS FOR METHOD 2

LEGEND

	SLOPE = 2%
*	SLOPE = 1:12 MAX.

424-11

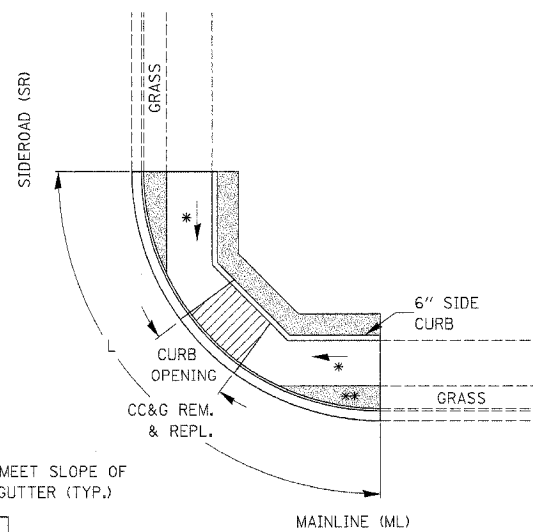


LEGEND

	SLOPE = 2%
*	SLOPE = 1:12 MAX.

METHOD 6

424-22
ADA SIDEWALK
ACCESSIBILITY RAMPS



** SOD TO BE SLOPED TO MEET SLOPE OF SIDEWALK AND CURB & GUTTER (TYP.)

LEGEND

	SLOPE = 2%
*	SLOPE = 1:12 MAX.

METHOD 6

424-23
ADA SIDEWALK
ACCESSIBILITY RAMPS

REVISIONS	
NAME	DATE

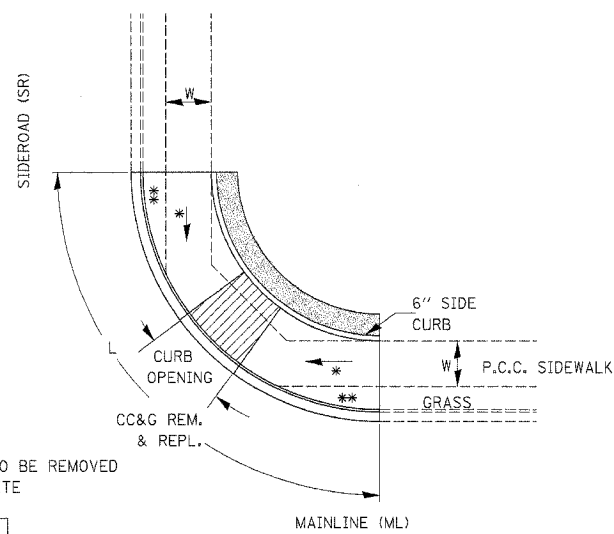
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

IL ROUTE 47 - DISTRICT DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	55
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		



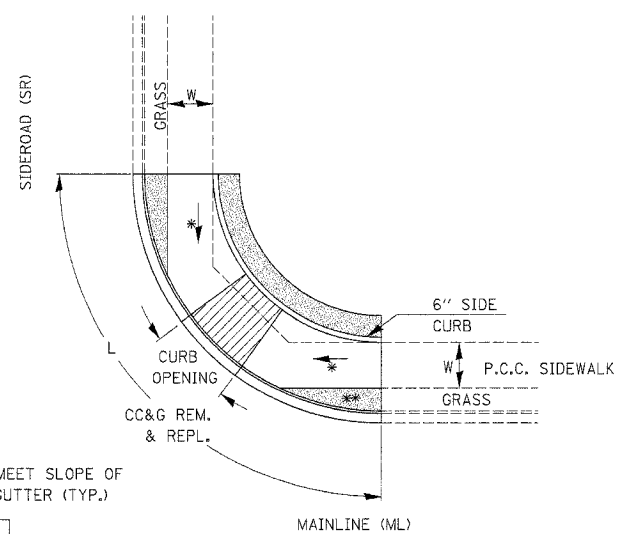
** AREA OF EXISTING GRASS TO BE REMOVED AND REPLACED WITH CONCRETE

LEGEND

	SLOPE = 2%
	SLOPE = 1:12 MAX.

METHOD 6

424-24
ADA SIDEWALK ACCESSIBILITY RAMPS



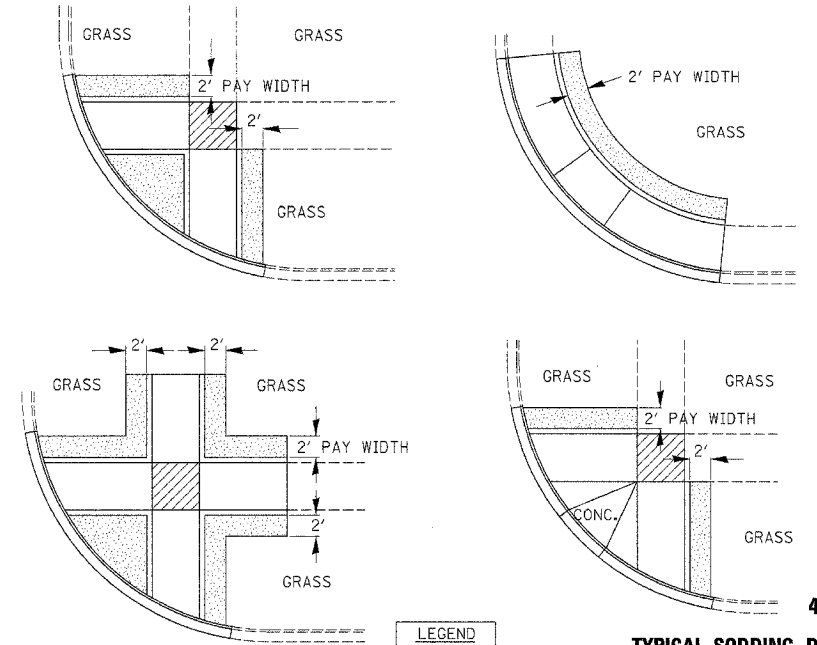
** SOD TO BE SLOPED TO MEET SLOPE OF SIDEWALK AND CURB & GUTTER (TYP.)

LEGEND

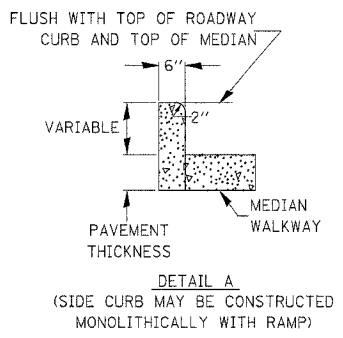
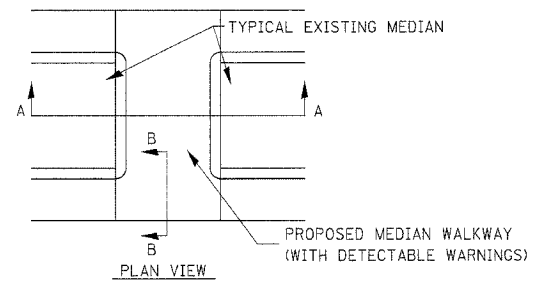
	SLOPE = 2%
	SLOPE = 1:12 MAX.

METHOD 6

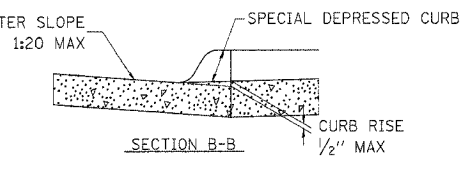
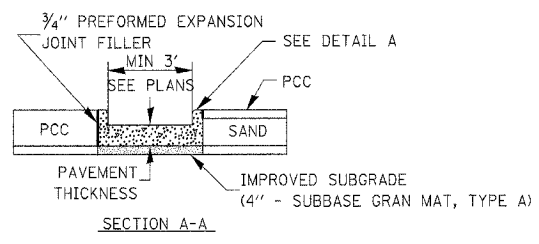
424-25
ADA SIDEWALK ACCESSIBILITY RAMPS



424-26
TYPICAL SODDING DETAILS FOR SIDEWALK RAMPS

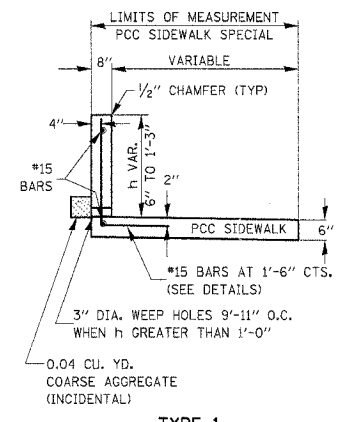


DETAIL A
(SIDE CURB MAY BE CONSTRUCTED MONOLITHICALLY WITH RAMP)

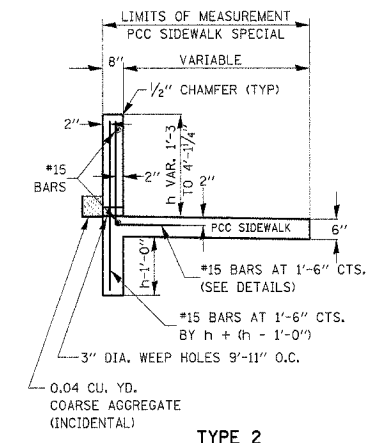


424-27

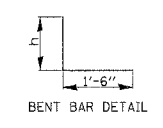
CONCRETE MEDIAN DETAIL FOR SIDEWALK RAMP



TYPE 1



TYPE 2



PCC SIDEWALK SPECIAL WITH RETAINING WALL

424-28

REVISIONS	
NAME	DATE

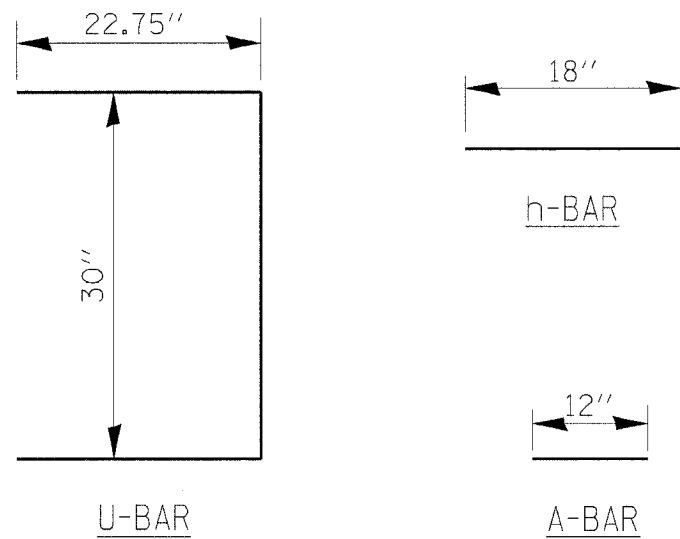
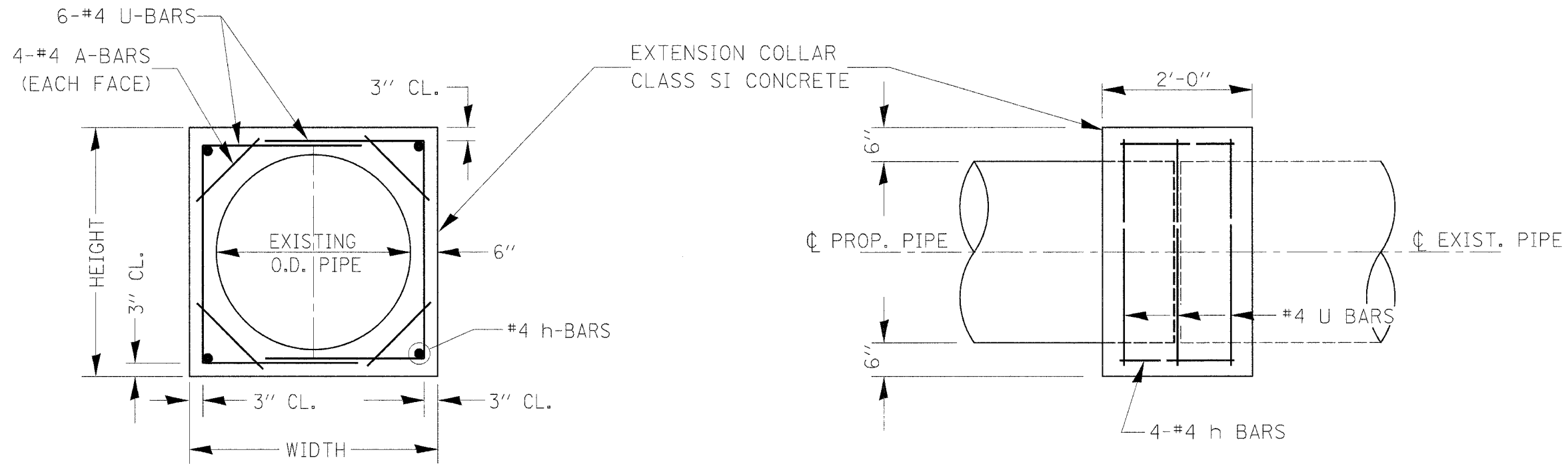
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

PLT: DATE = 08/15/07
PLOT: NAME = DISTRICT
PLOT: SCALE = AS SHOWN
USER: NAME = MUSEY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(IICS) W&RS-21	GRUNDY	85	56
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

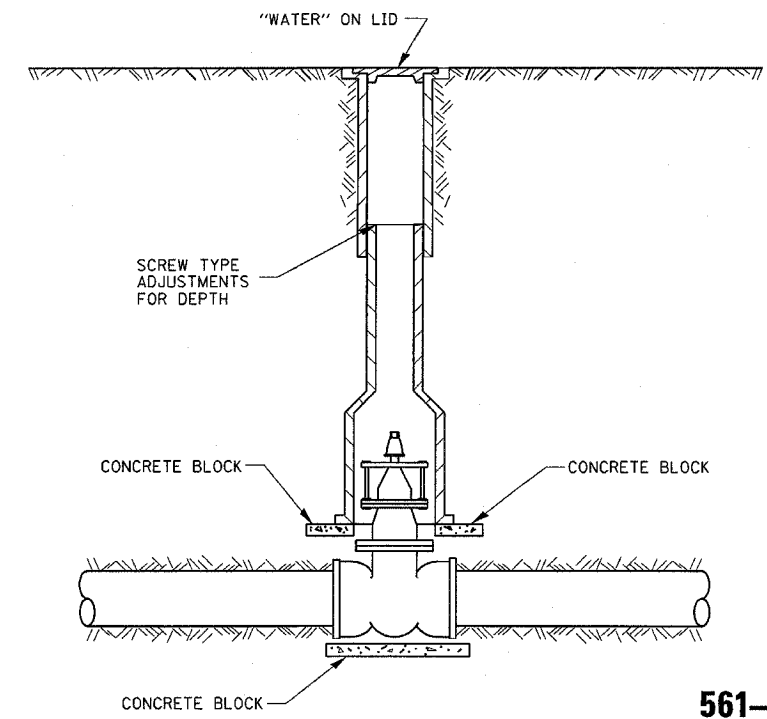


LOCATION	EXISTING CULVERT SIZE	EXTENSION COLLAR		A-BAR	U-BAR		h-BAR	CONC. COLLAR	REINFORCEMENT BARS
		WIDTH	HEIGHT	12	22.75	30.0	18		
		IN.	IN.	IN.	IN.	IN.	IN.	CU. YD.	POUND
14+88 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
16+31 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
19+00 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
22+99 RT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
23+00 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6

COLLAR DETAIL (DIRECT PIPE CULVERT EXTENSION)

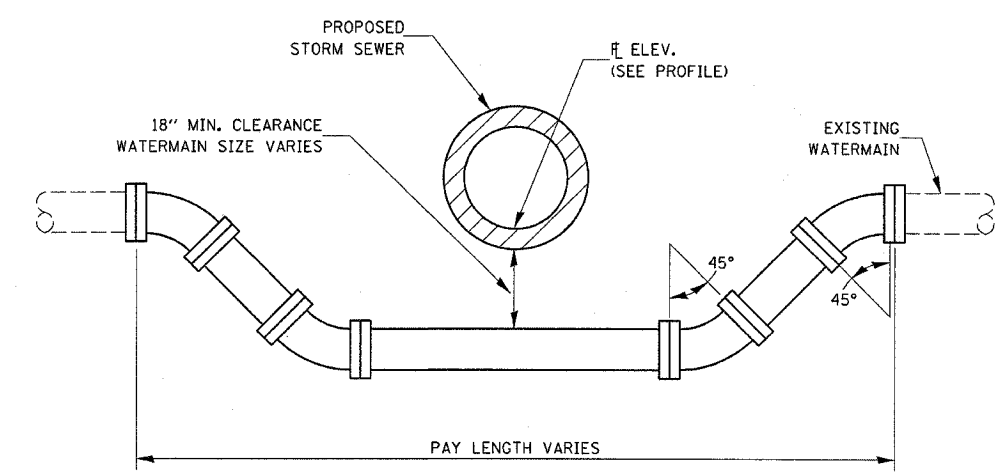
542-3

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



561-3

TYPICAL VALVE BOX INSTALLATION



ADJUSTING WATERMAIN DETAIL

561-7

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT DETAILS
 IL ROUTE 47
 GRUNDY COUNTY

SCALE: NTS
 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

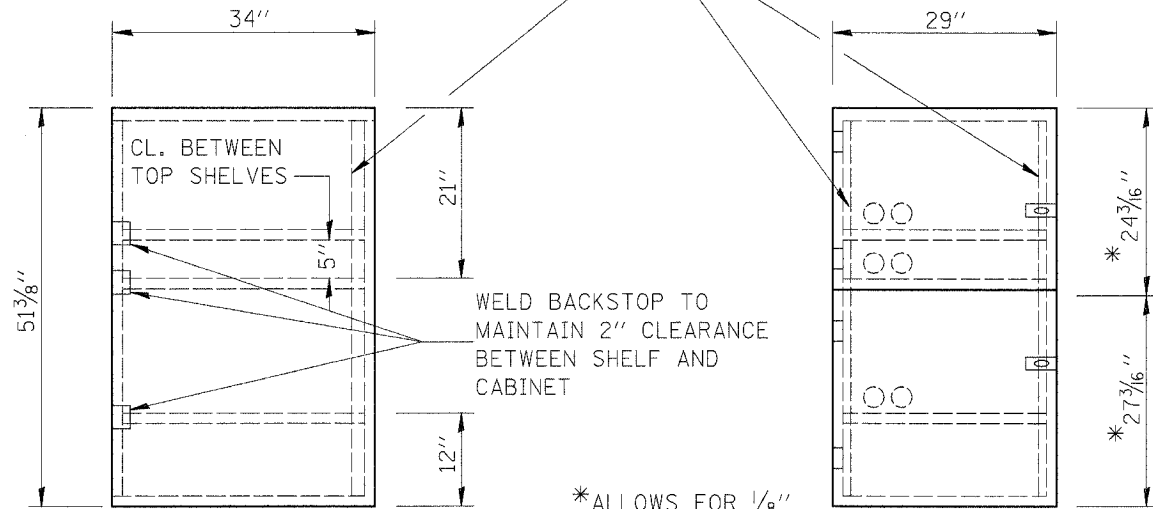
PLOT DATE = Feb 06, 2008 - 10:28:21 AM
 PLOT SCALE = 24.000 / IN.
 USER NAME = schneeheng

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	58
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

SHELF SIDE VIEW

1/2" X 1 1/2" FLAT STOCK WELD TO FORM DOOR FRAME AND ALSO AROUND PERIMETER OF EACH DOOR.

SHELF FRONT VIEW



SIDE VIEW

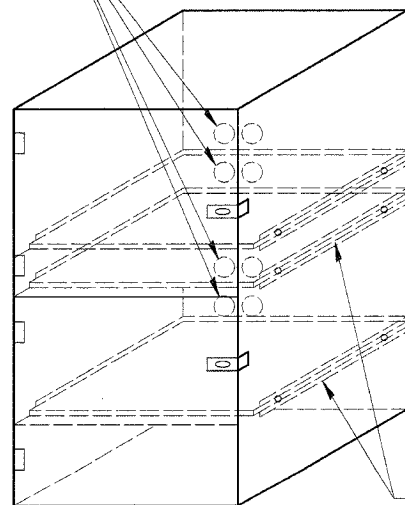
FRONT VIEW

* WELD BACKSTOP TO MAINTAIN 2" CLEARANCE BETWEEN SHELF AND CABINET

* ALLOWS FOR 1/8" CLEARANCE AT TOP AND BOTTOM OF CABINET AND BETWEEN DOORS.

- NOTES:
1. USE 16 GAUGE STEEL FOR CABINET.
 2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
 3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
 4. ALL EDGES SHALL BE GROUND SMOOTH.
 5. TWO (2" DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
 6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
 7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
 8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 4"x4" SQUARE CORNER HINGES TO BE WELDED ON.
 9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 7 1/4" HASPS TO BE WELDED ON.

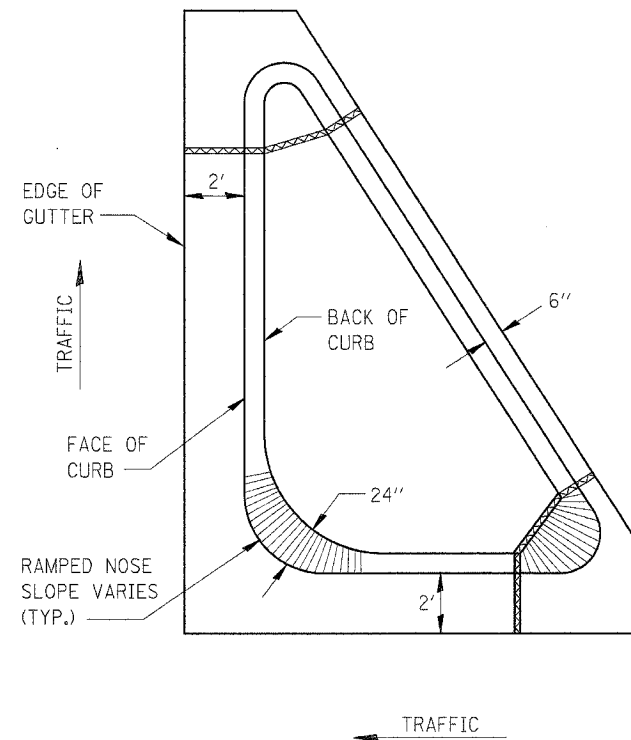
2" ACCESS HOLES IN REAR OF CABINET



FLAT STOCK DIMENSIONS VARY DEPENDING ON TYPE OF ROLLER ASSEMBLY.

LOCKABLE COMPUTER CABINET

670-1

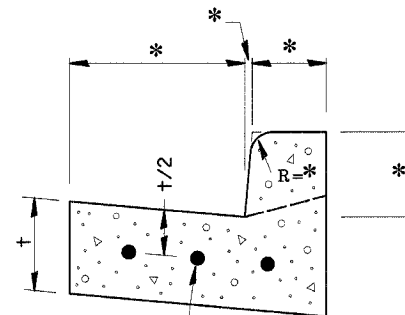


GENERAL NOTES:

1. THE CURB AND GUTTER CONFIGURATION SHALL BE M-6.06.
2. DEPRESSED CURB FOR CROSSWALKS TO CONFORM TO DIST. STD. 424-27.
3. SEE STD. 606001 & AND 606301 FOR ADDITIONAL DETAILS.
4. ALL MATERIALS, LABOR, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE COST OF ISLAND PAVEMENT (SPECIAL) PER SQUARE YARD.

606-1

* VARIES - SEE STANDARD 606001

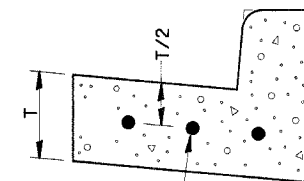


CONTINUOUSLY REINFORCED WITH 3 - #4 BARS EVENLY SPACED

REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER

606-4



CONTINUOUSLY REINFORCED WITH 3 - #4 BARS EVENLY SPACED

REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24

606-7

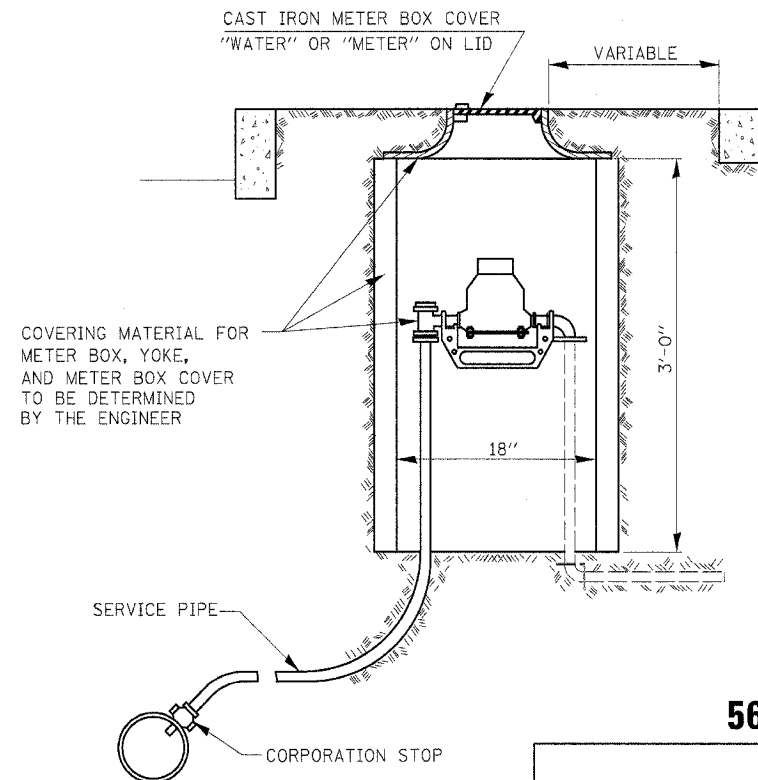
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

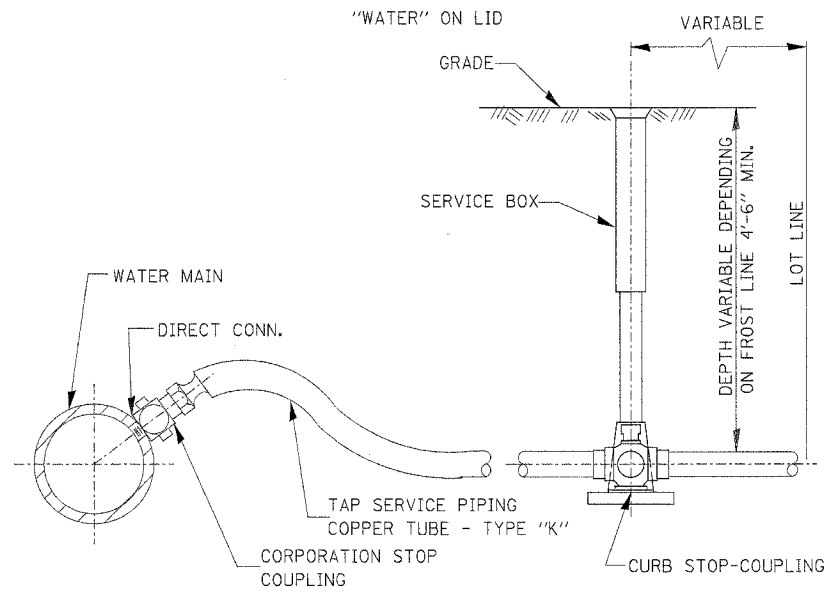
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DRAWN BY: KHH
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IL ROUTE 47 - DISTRICT DETAILS

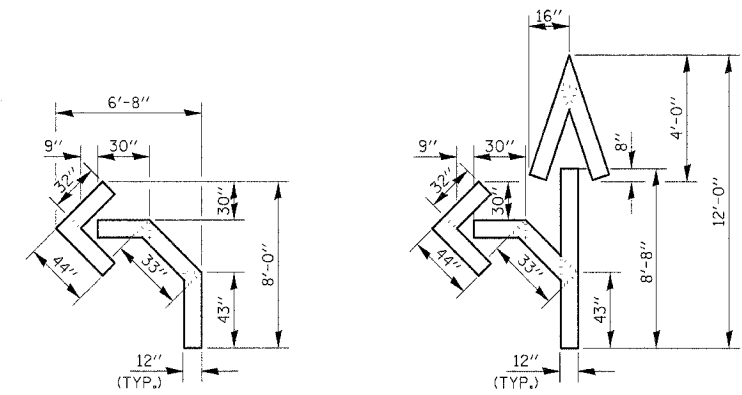
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	59
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



561-2
TYPICAL SINGLE METER BOX INSTALLATION

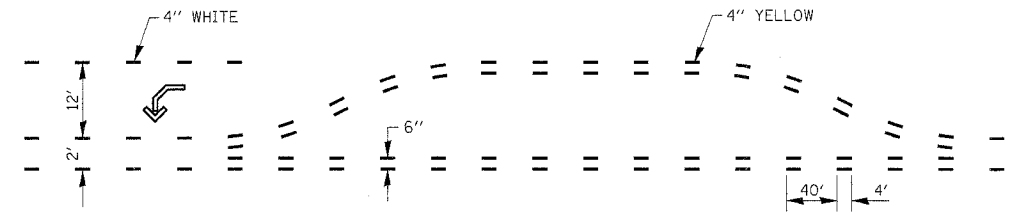


562-1
TYPICAL TAP SERVICE PIPING (COPPER)



QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**

703-1

REVISIONS	
NAME	DATE

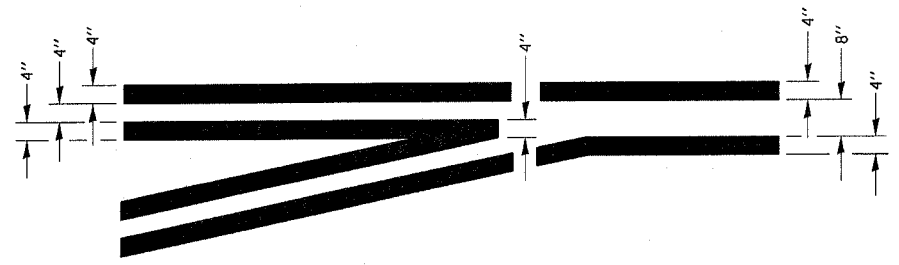
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

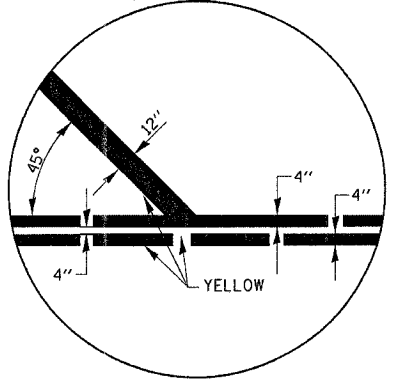
IL ROUTE 47 - DISTRICT DETAILS

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

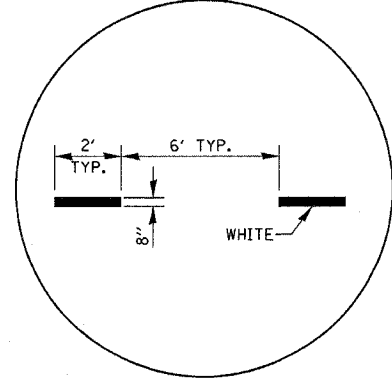


**TYPICAL APPLICATION
@ LEFT TURN LANES**

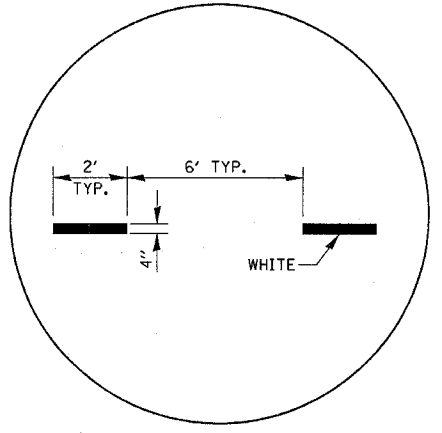
780-1



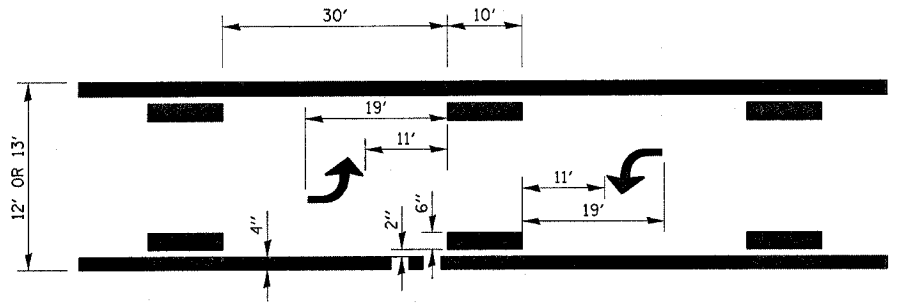
780-4



780-5

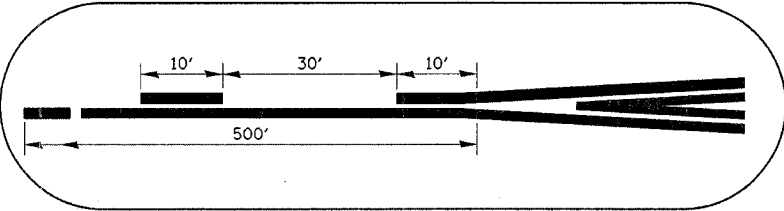


780-6

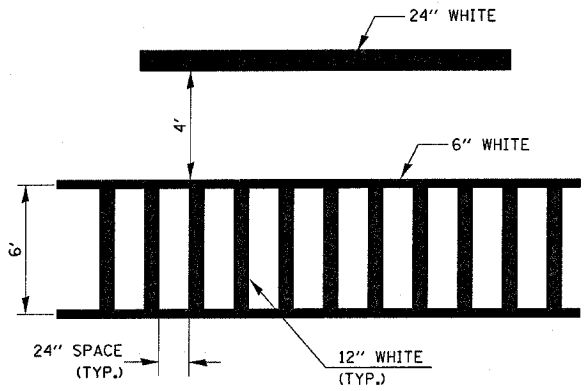


**TYPICAL APPLICATION @
BI-DIRECTIONAL TURN LANE**

780-2



780-7



**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

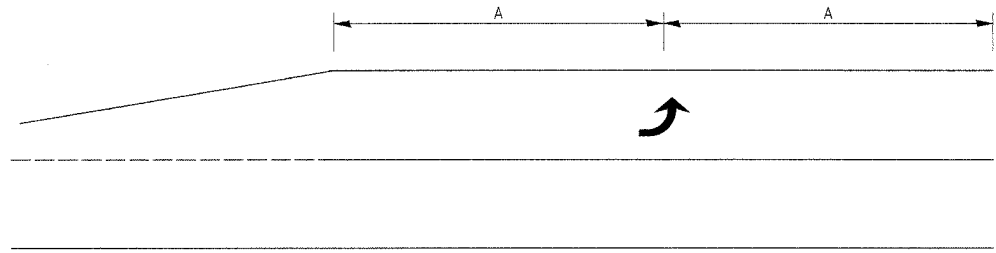
780-3

REVISIONS	
NAME	DATE

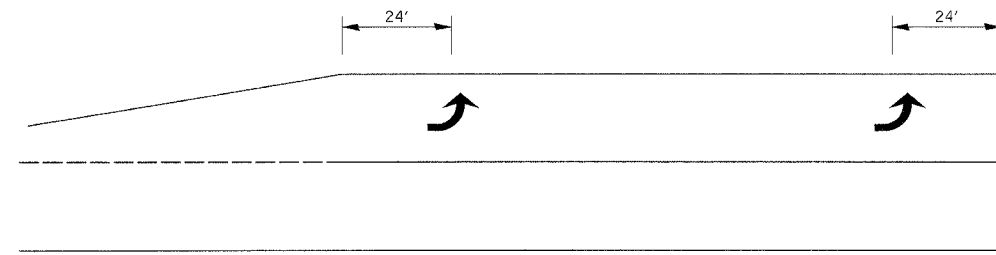
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007
DRAWN BY: KHH
CHECKED BY: FML

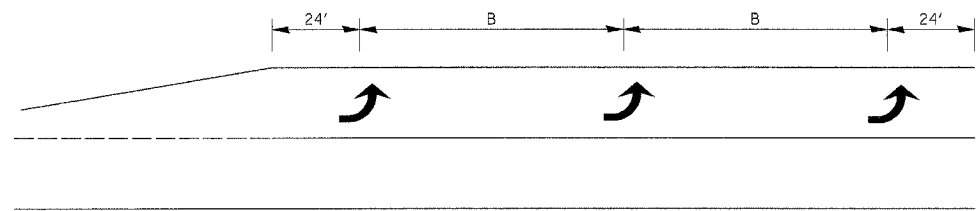
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	61
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



99' AND UNDER



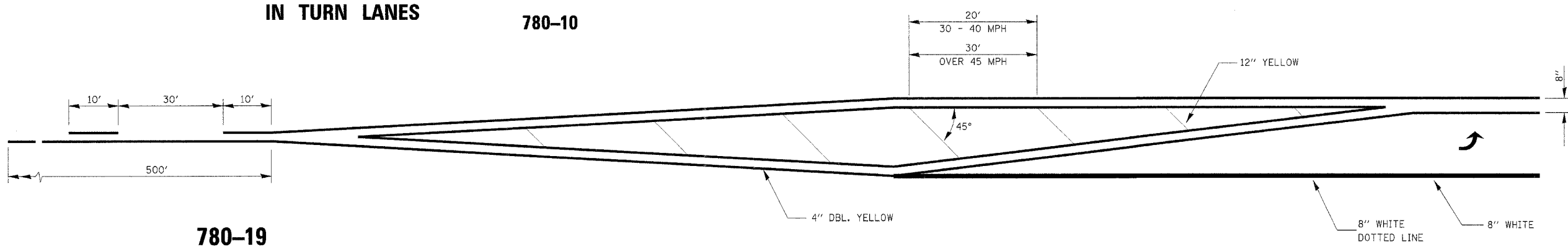
100' TO 149'



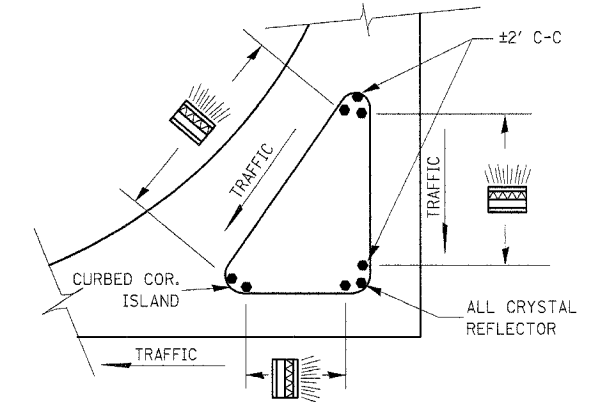
150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

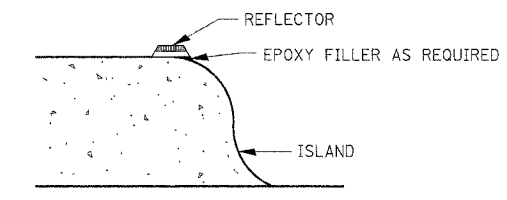
780-10



780-19



PRISMATIC REFLECTORS



SECTION VIEW

782-2

NOTES

1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.

REVISIONS	
NAME	DATE

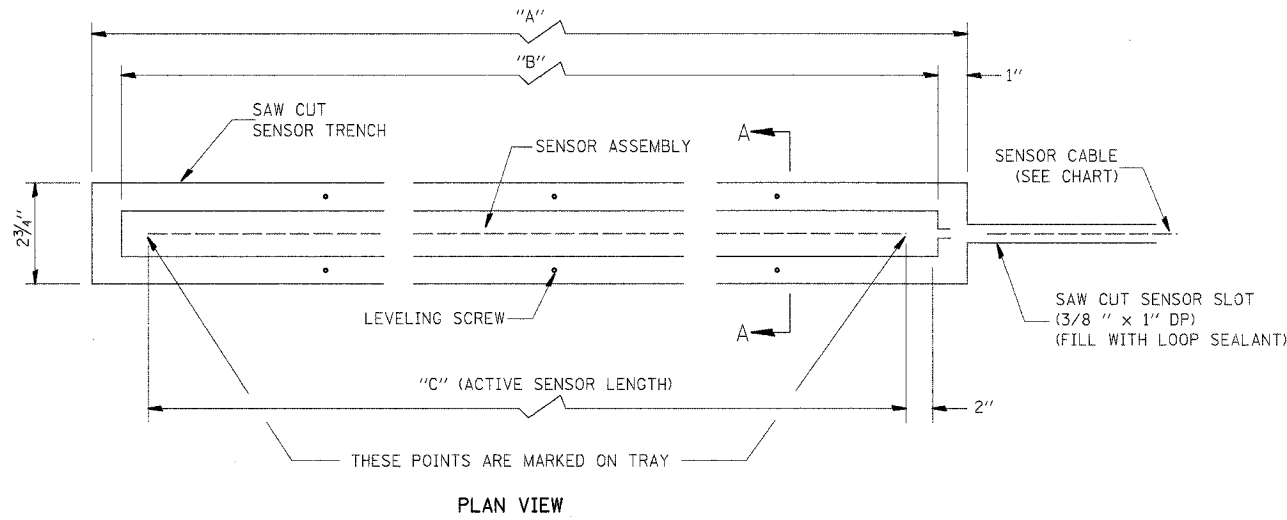
ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

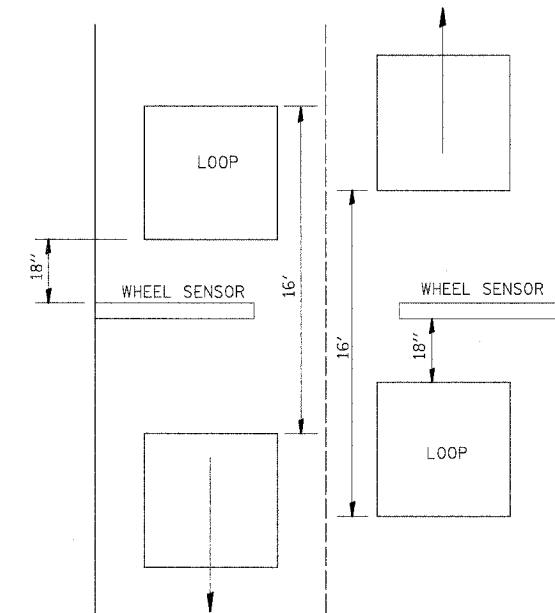
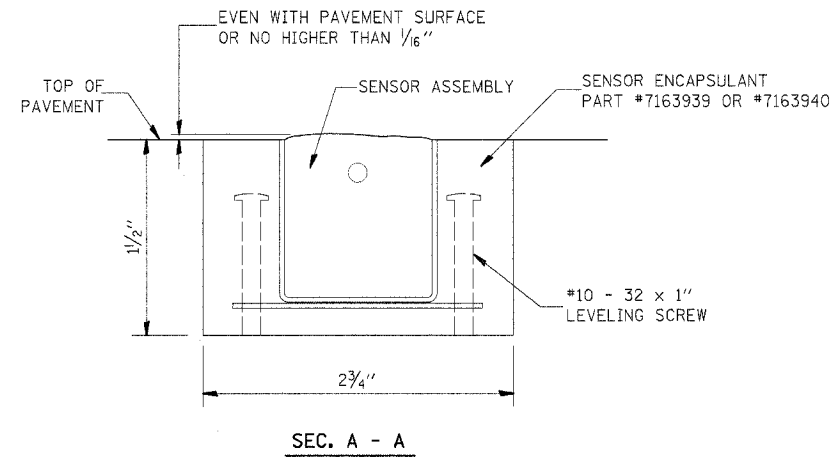
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DATE: 09/2007

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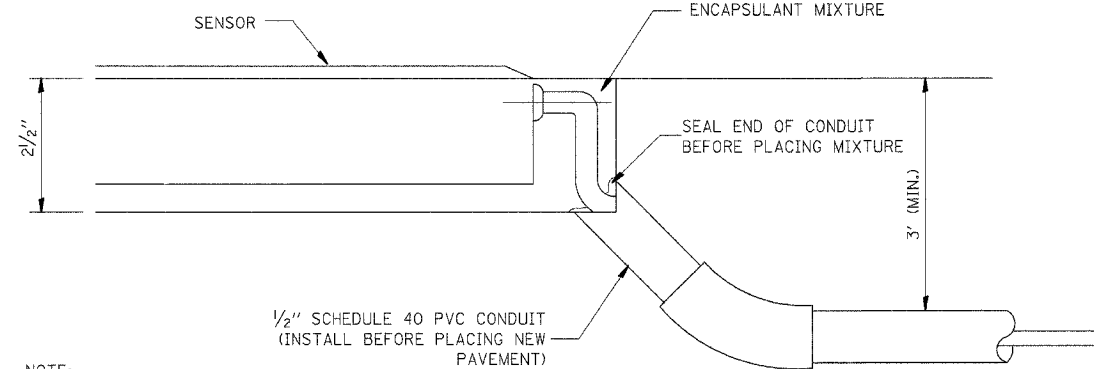
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	62
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



GENERAL NOTE:
 THIS WORK SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF DETECTOR LOOPS AND AXLE DETECTORS (PIEZOCABLE SENSOR). THE DETECTOR LOOPS AND AXLE DETECTORS SHALL BE REMOVED WITH THEIR ELECTRIC CABLE ALL THE WAY TO THE EXISTING CABINET CONNECTION, AND REPLACED IN THE SAME MANNER USING THE EXISTING CONDUIT, HANDHOLE, AND GULFBOX JUNCTION.



TYPICAL INSTALLATION FOR CLASSIFICATION



NOTE:
 THIS ARRANGEMENT CAN BE USED ONLY WITH NEW PAVEMENT CONSTRUCTION.

ALTERNATE SENSOR CABLE INSTALLATION

SENSOR ASSEMBLY INSTALLATION PROCEDURE:

1. USING A CHALK LINE, MARK THE SENSOR TRENCH OUTLINE ON THE PAVEMENT. SEE SYSTEM LAYOUT DRAWING FOR SENSOR LOCATIONS.
 2. SAW CUT AROUND THE TRENCH PERIMETER TO A DEPTH OF 1 1/2".
 3. SAW CUT THE 3/8" X 1" DP. SENSOR CABLE SLOT TO THE EDGE OF THE PAVEMENT.
 4. REMOVE EXISTING PAVEMENT TO A DEPTH OF 1 1/2" WITHIN THE SAW CUT TRENCH PERIMETER.
 5. THOROUGHLY CLEAN THE TRENCH OF ALL DEBRIS, DUST, ETC.
 6. PLACE SENSOR ASSEMBLY IN THE TRENCH. ADJUST THE #10-32 LEVELING SCREWS UNTIL THE TOP OF THE SENSOR ASSEMBLY IS EVEN WITH THE PAVEMENT SURFACE. (NO HIGHER THAN 1/16").
 7. THOROUGHLY MIX LARGE CAN OF ENCAPSULANT.
 8. ADD HARDENER & MIX THOROUGHLY.
 9. POUR ENCAPSULANT AROUND SENSOR TRYING NOT TO DISTURB SENSOR.
 10. 3 TO 5 POUND WEIGHT MAY HAVE TO BE USED TO STOP FLOATING.
 11. FILL TRENCH WITH MIXTURE UNTIL FLUSH WITH THE SURFACE OF PAVEMENT. TROWEL AS REQUIRED.
 12. LET EPOXY CURE UNTIL HARD.
 13. GRIND PERIMETERS IF NEEDED TO REMOVE HIGH OR ROUGH SPOTS.
- NOTE:** SENSOR CAN BE BENT SLIGHTLY TO CONFORM TO ROADWAY.
REFERENCE: INSTALLATION MANUAL #1050527

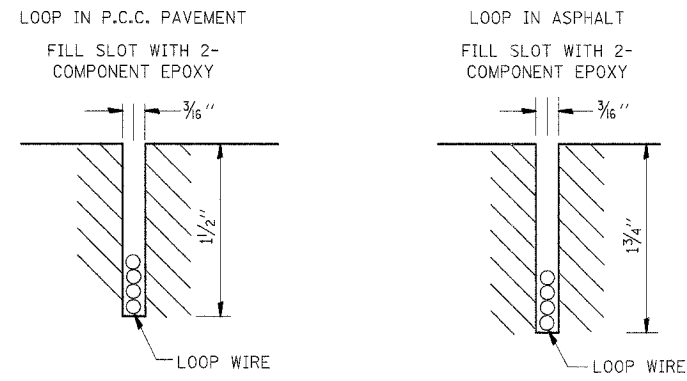
886-1

REVISIONS	
NAME	DATE

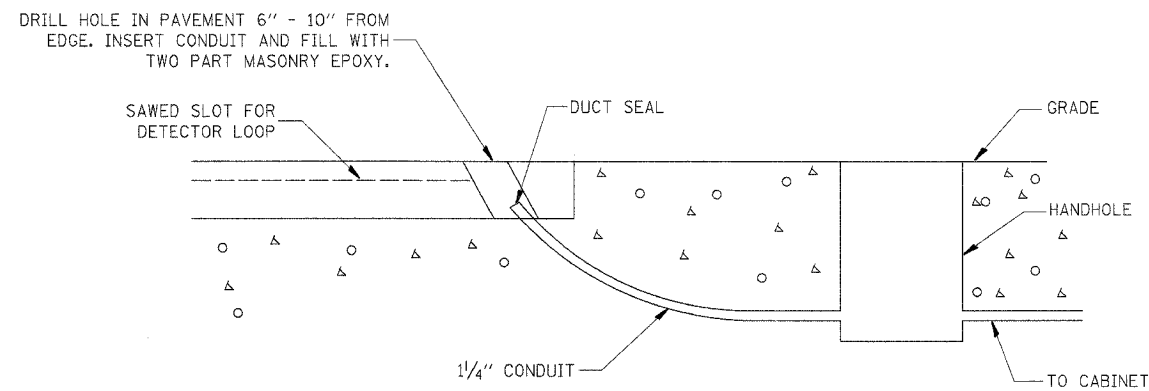
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT DETAILS
 IL ROUTE 47
 GRUNDY COUNTY
 SCALE: NTS
 DATE: 09/2007
 DRAWN BY: KHH
 CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C) W&RS-2I	GRUNDY	85	63
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

DETECTOR LOOP INSTALLATION



DETECTOR LOOP LEAD-IN DETAIL



886-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

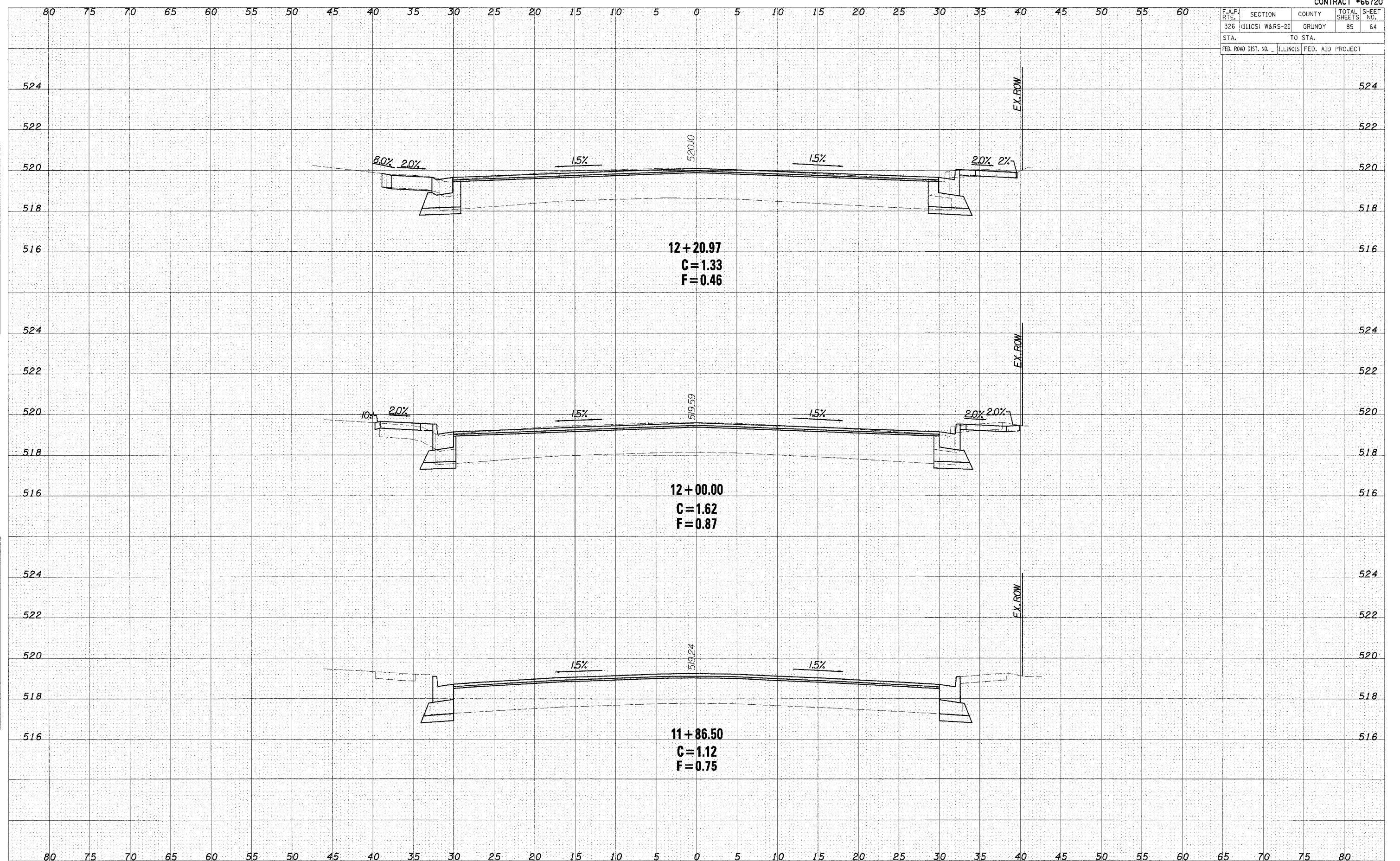
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DRAWN BY: KHH
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IL ROUTE 47 - DISTRICT DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	64
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT _____		

FINAL SURVEY	DATE
BY	
NO. _____	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
NO. _____	
AREAS CHECKED	

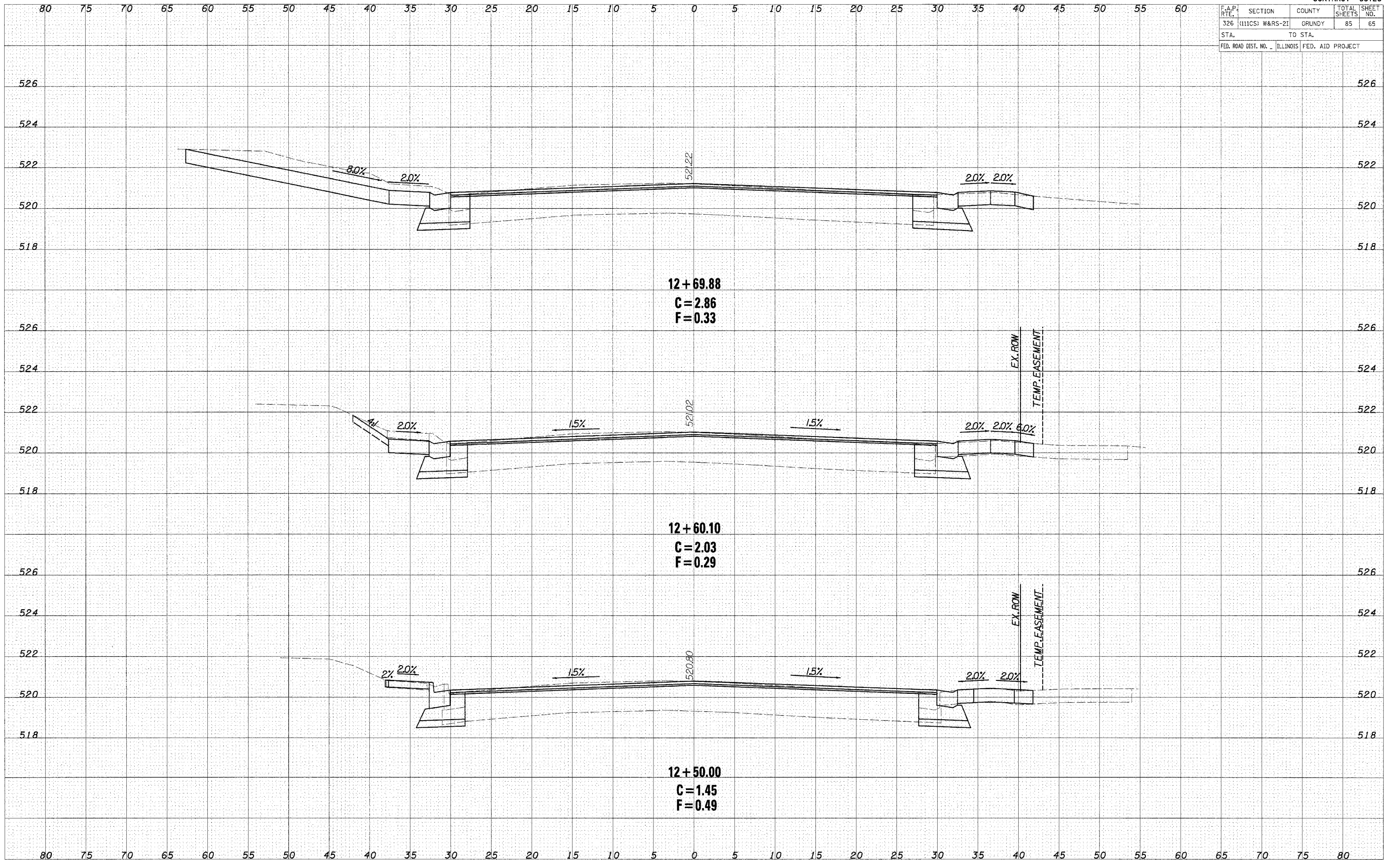


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&S-21	GRUNDY	85	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
NO. OF SHEETS	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

DATE	
BY	
NO. OF SHEETS	
PLOTTED	
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AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

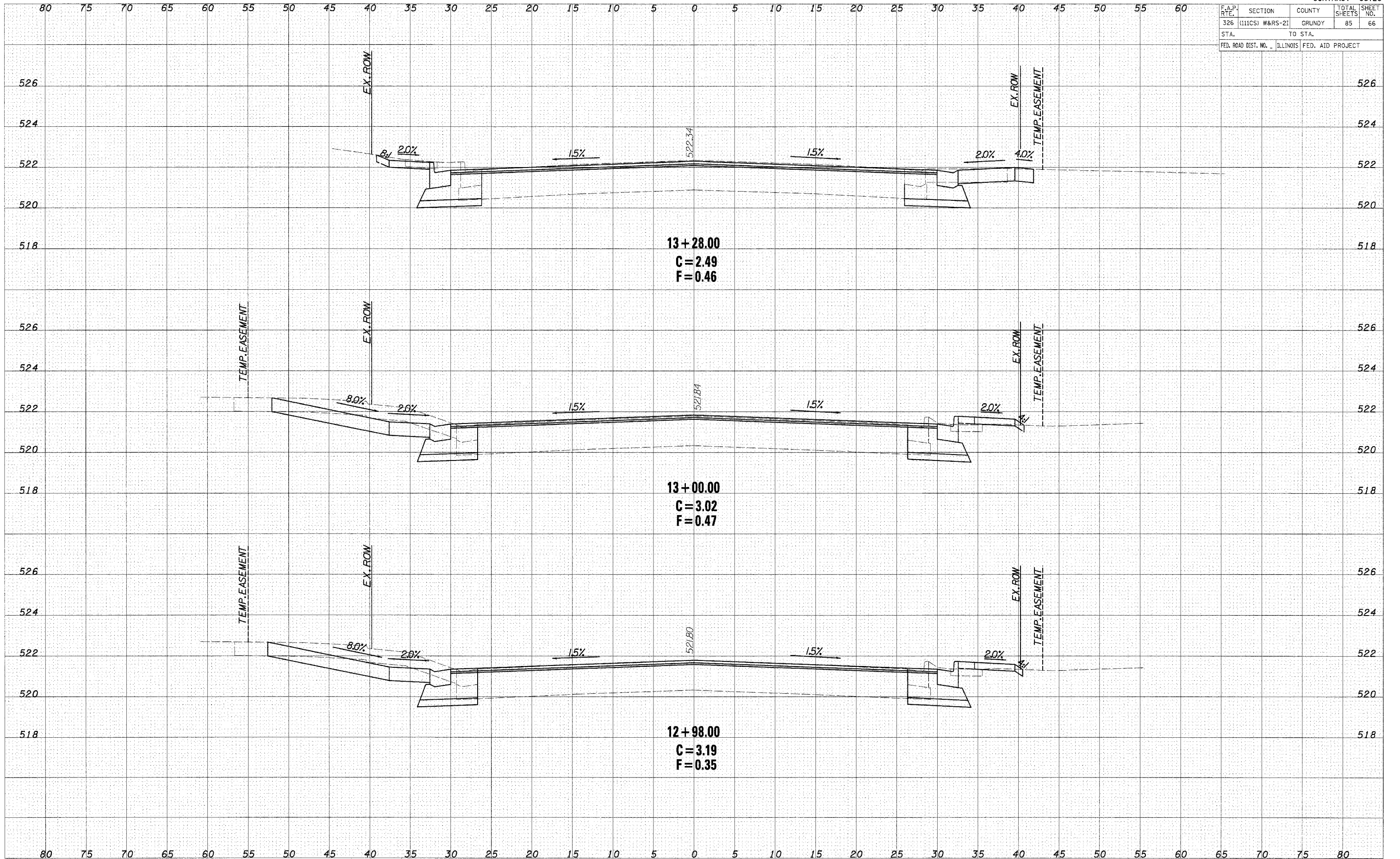


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	66
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

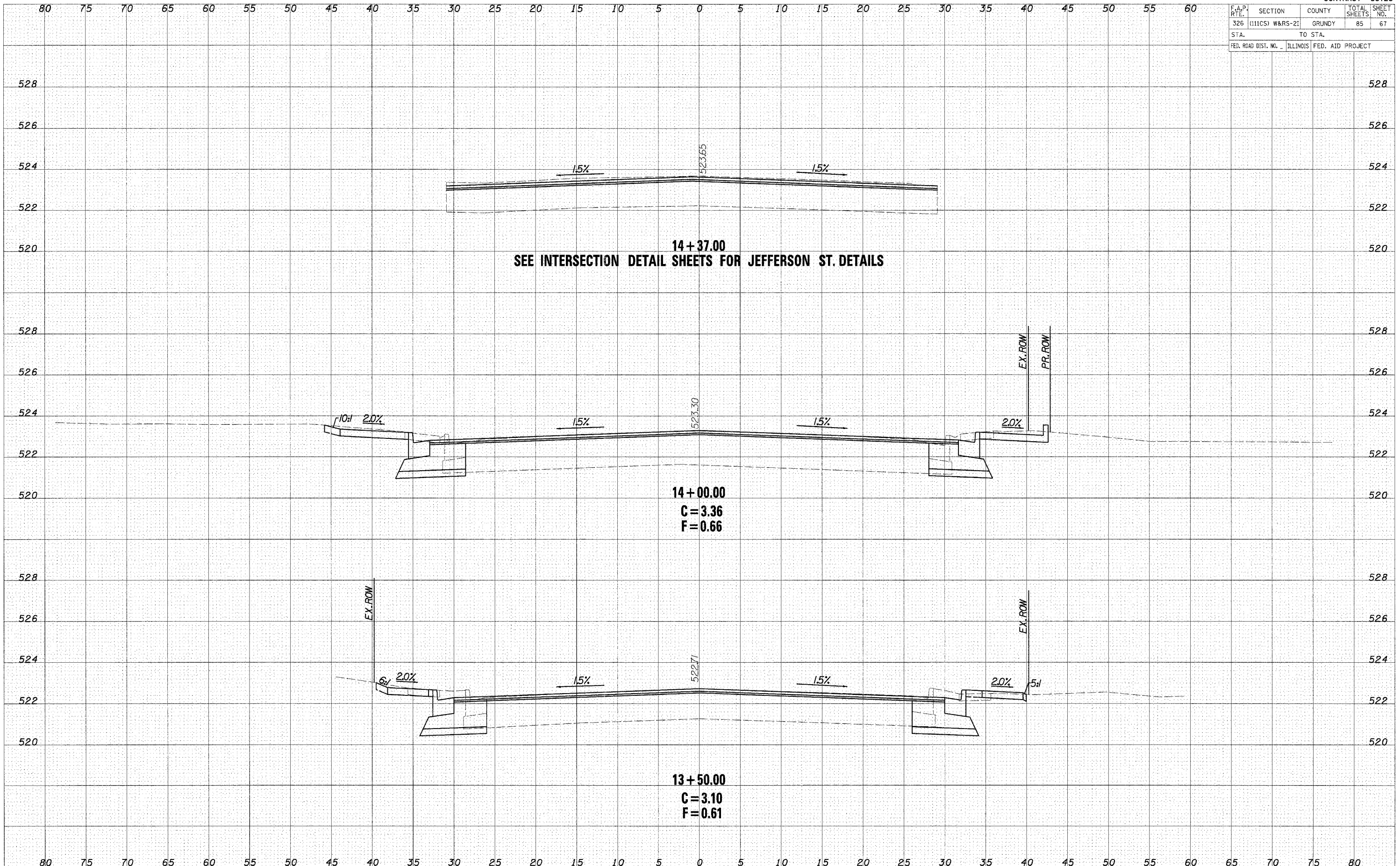
DATE	BY

DATE	BY



CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CROSS SECTIONS - IL ROUTE 47

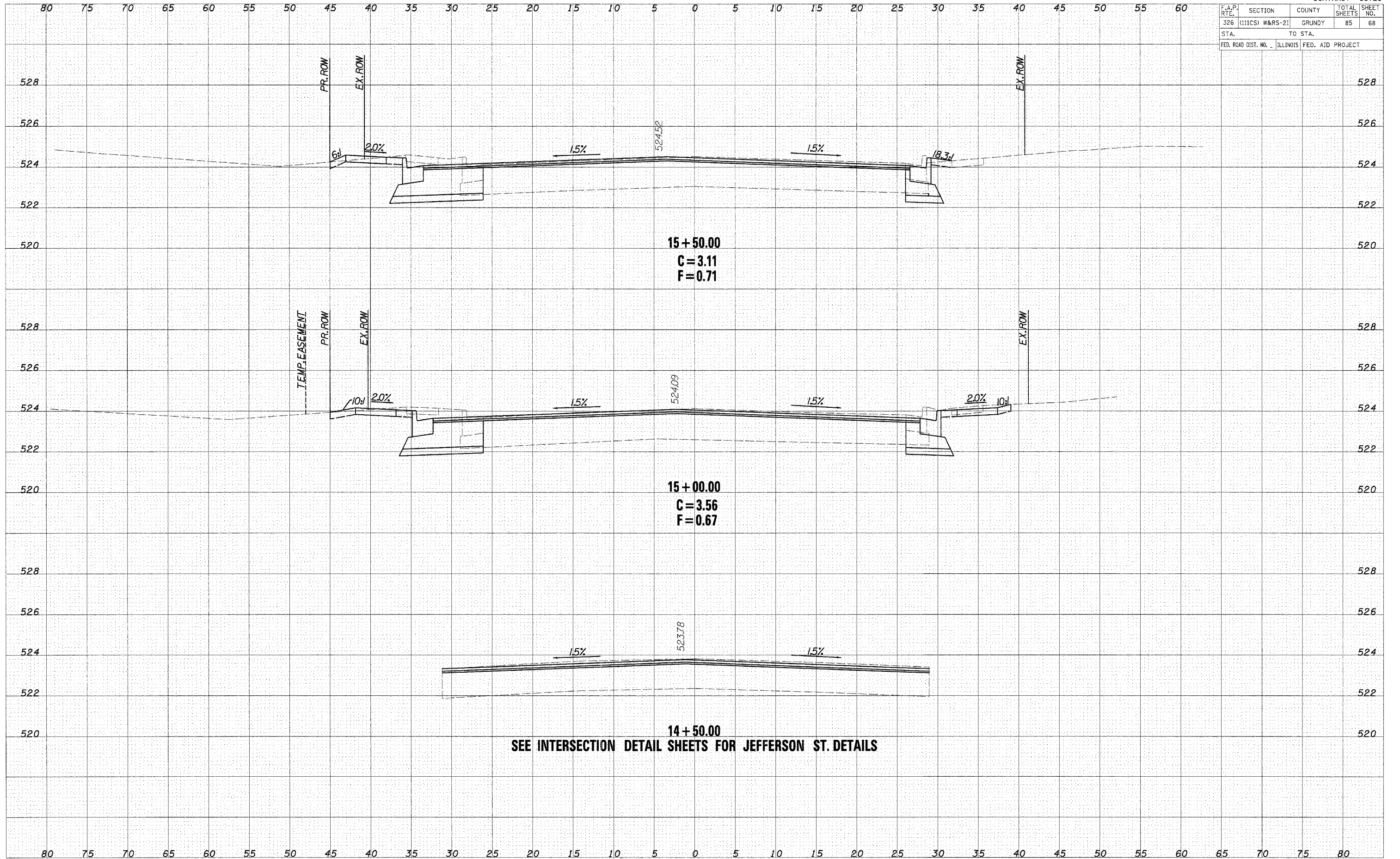
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	68
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY
CHANGED	PLOTTED
SURVEY	TEMPLATE
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
CHANGED	PLOTTED
SURVEY	TEMPLATE
NOTE BOOK	AREAS CHECKED
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15+50.00
C = 3.11
F = 0.71

15+00.00
C = 3.56
F = 0.67

14+50.00

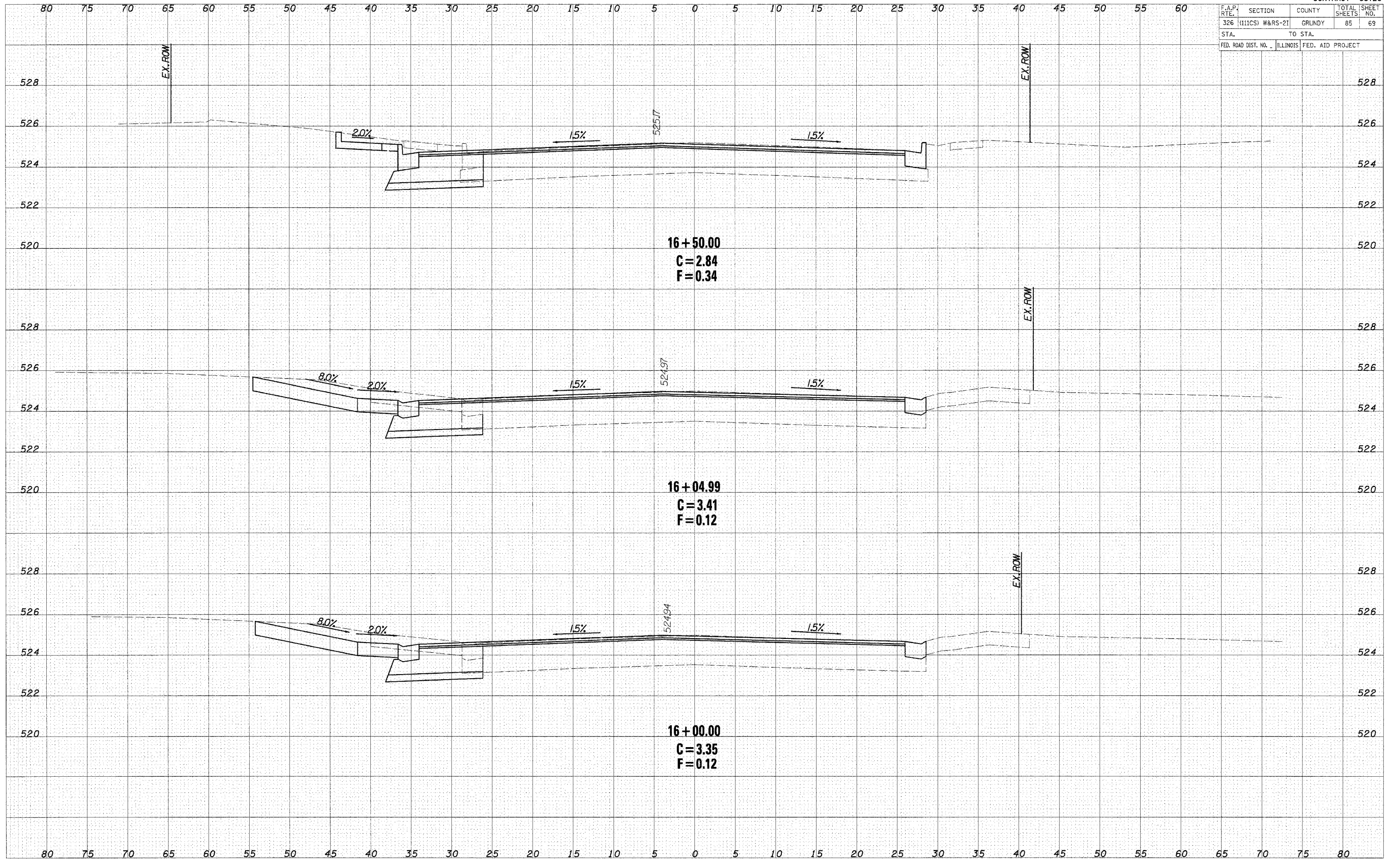
SEE INTERSECTION DETAIL SHEETS FOR JEFFERSON ST. DETAILS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

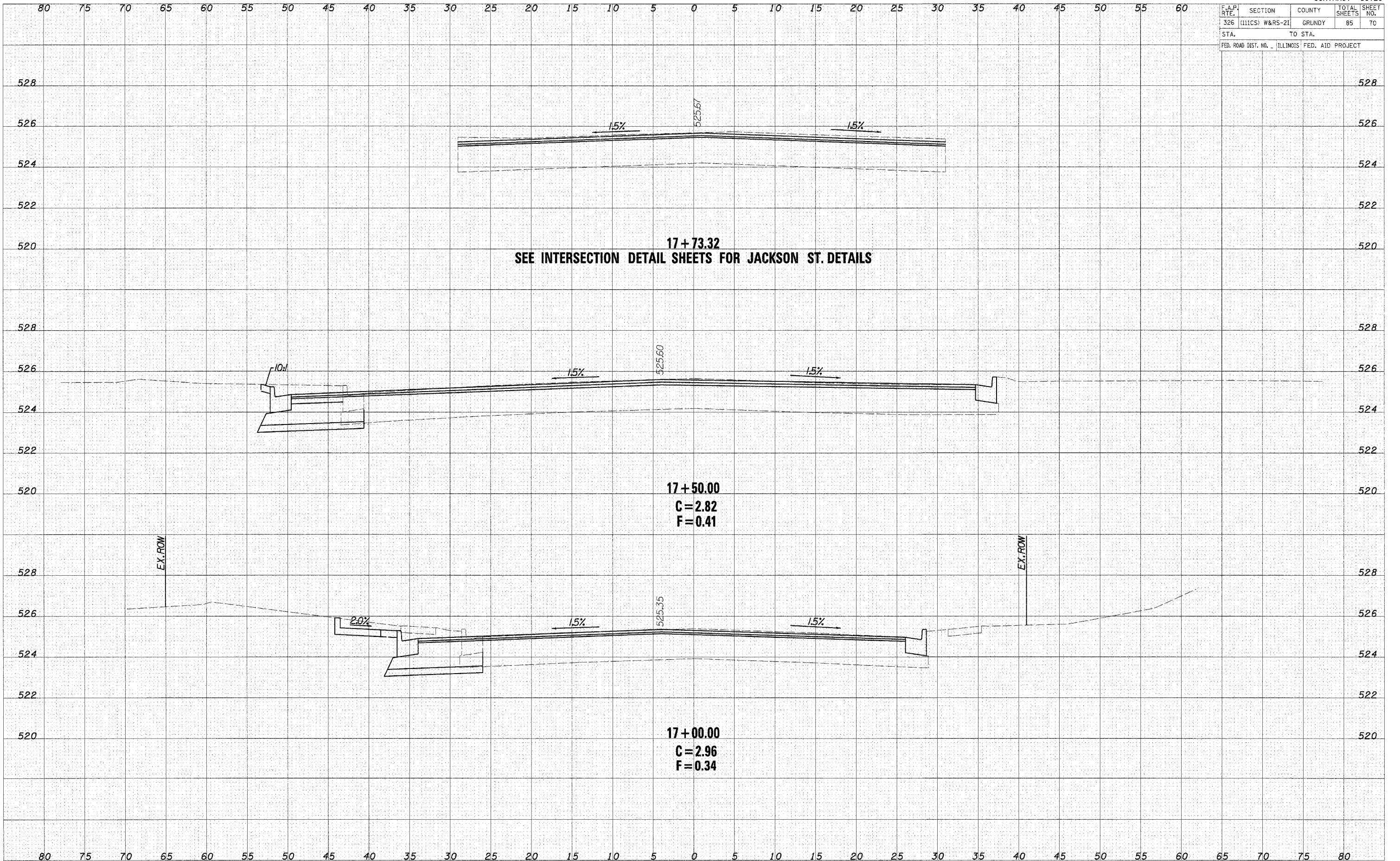
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NOTE BOOK	
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DATE	
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PLOTTED	
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NOTE BOOK	
AREAS CHECKED	
NO.	



CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



17+73.32
SEE INTERSECTION DETAIL SHEETS FOR JACKSON ST. DETAILS

17+50.00
C = 2.82
F = 0.41

17+00.00
C = 2.96
F = 0.34

CROSS SECTIONS - IL ROUTE 47

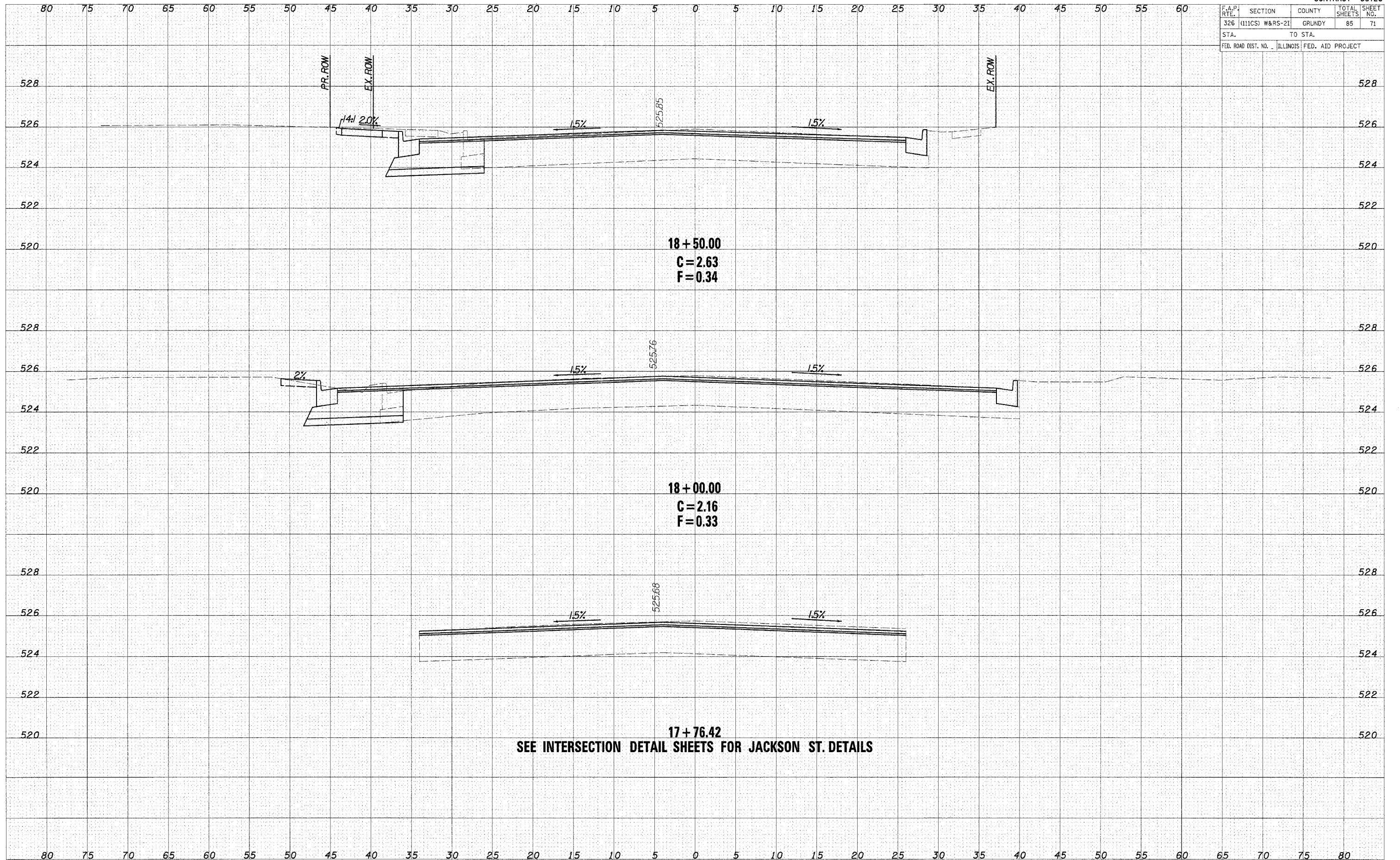
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ORIGINAL SURVEY	
NOTE BOOK	

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AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
NO.	
ORIGINAL SURVEY NOTE BOOK	
EXAMINED	
PLOTTED	
TEMPLATE	
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BY	
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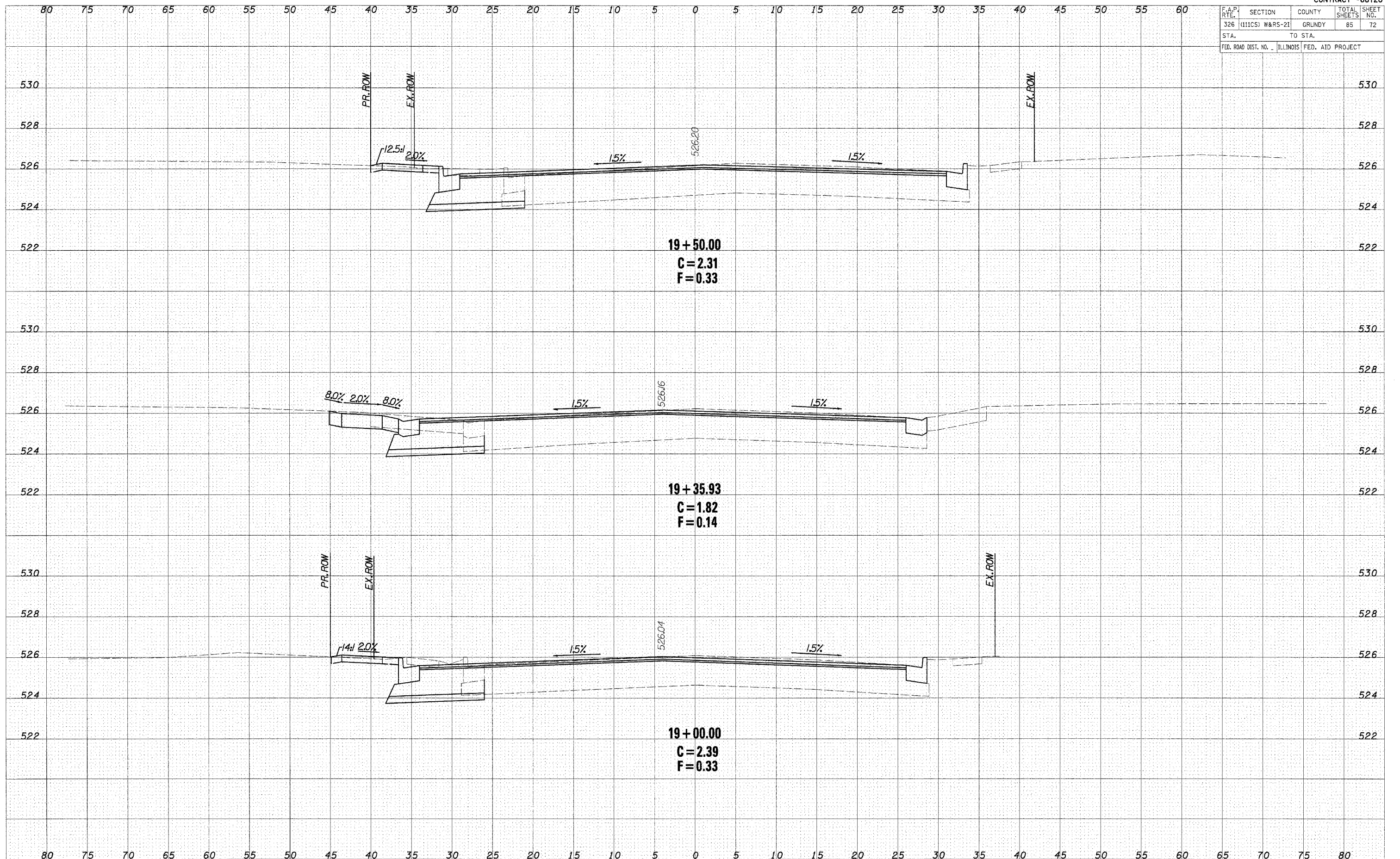


SEE INTERSECTION DETAIL SHEETS FOR JACKSON ST. DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS)	W&RS-21	GRUNDY	85	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
DESIGNED	
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TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

NO.	AREAS CHECKED

NO.	NOTE BOOK

DATE	BY

NO.	AREAS CHECKED

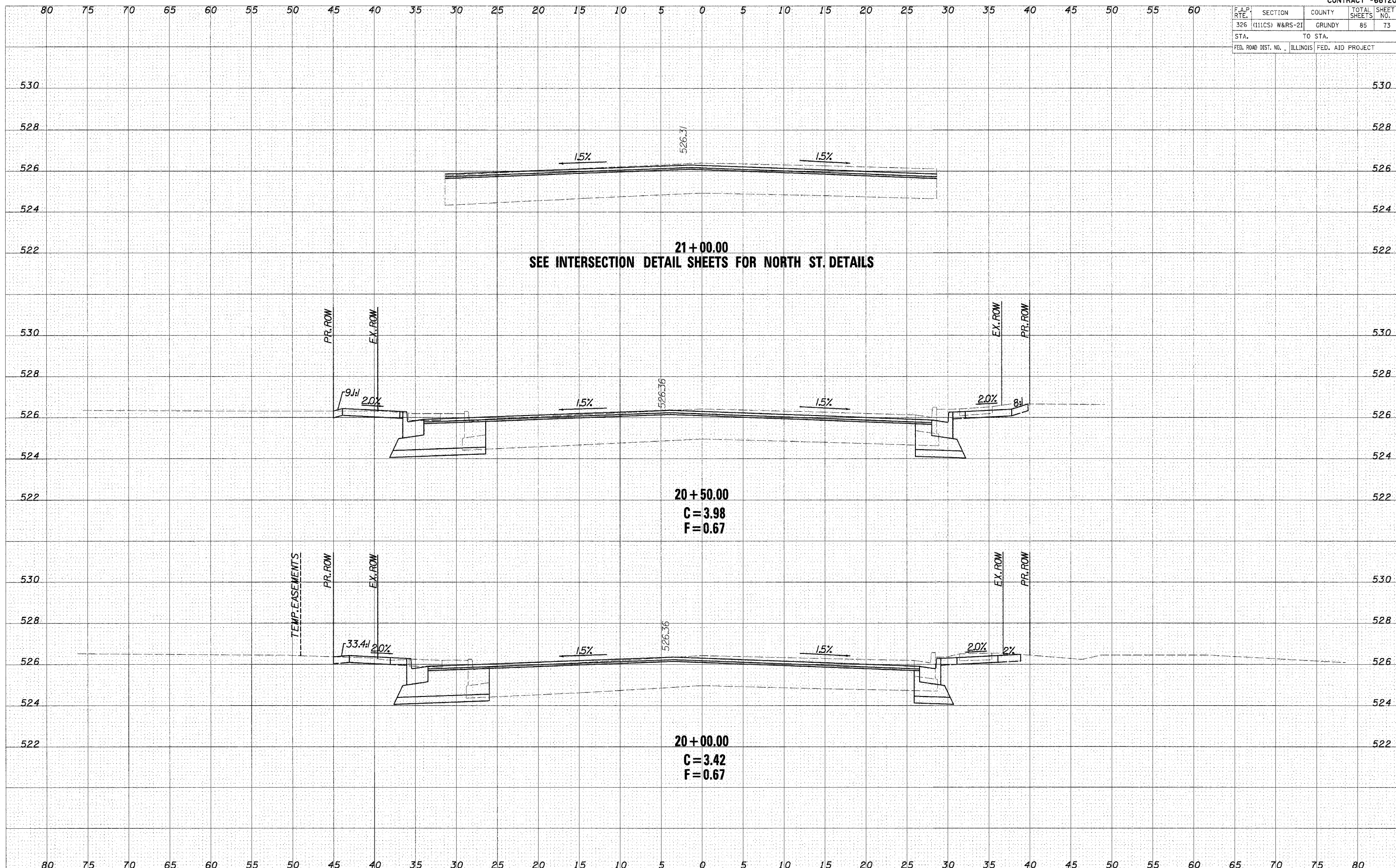
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NO.	AREAS CHECKED

NO.	NOTE BOOK

DATE	BY

NO.	AREAS CHECKED

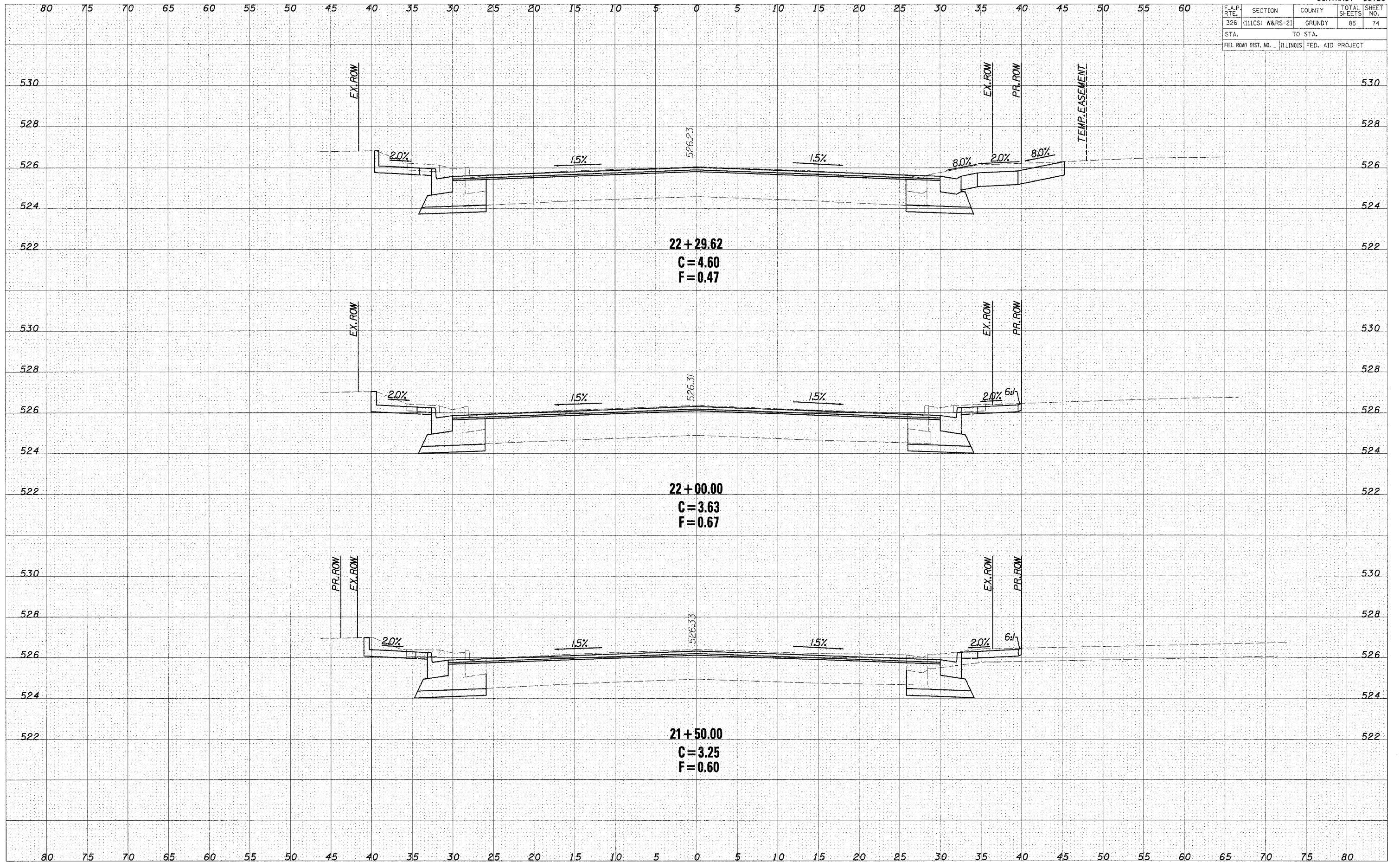


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
NO.	
FINAL SURVEY	
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COPIES	
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TEMPLATE	
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DATE	
BY	
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ORIGINAL SURVEY	
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COPIES	
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TEMPLATE	
AREAS	
CHECKED	

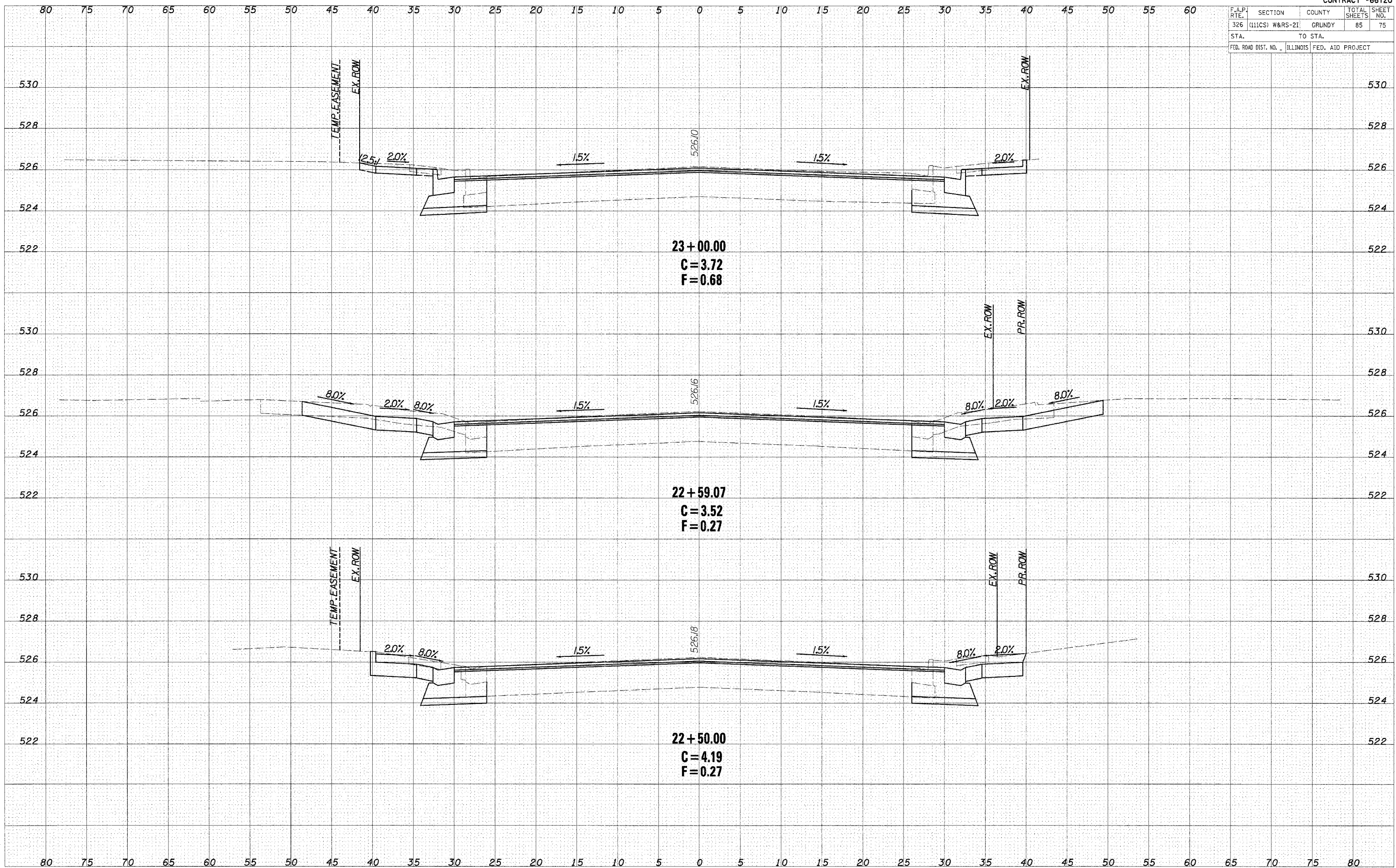


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	75

STA. TO STA.

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



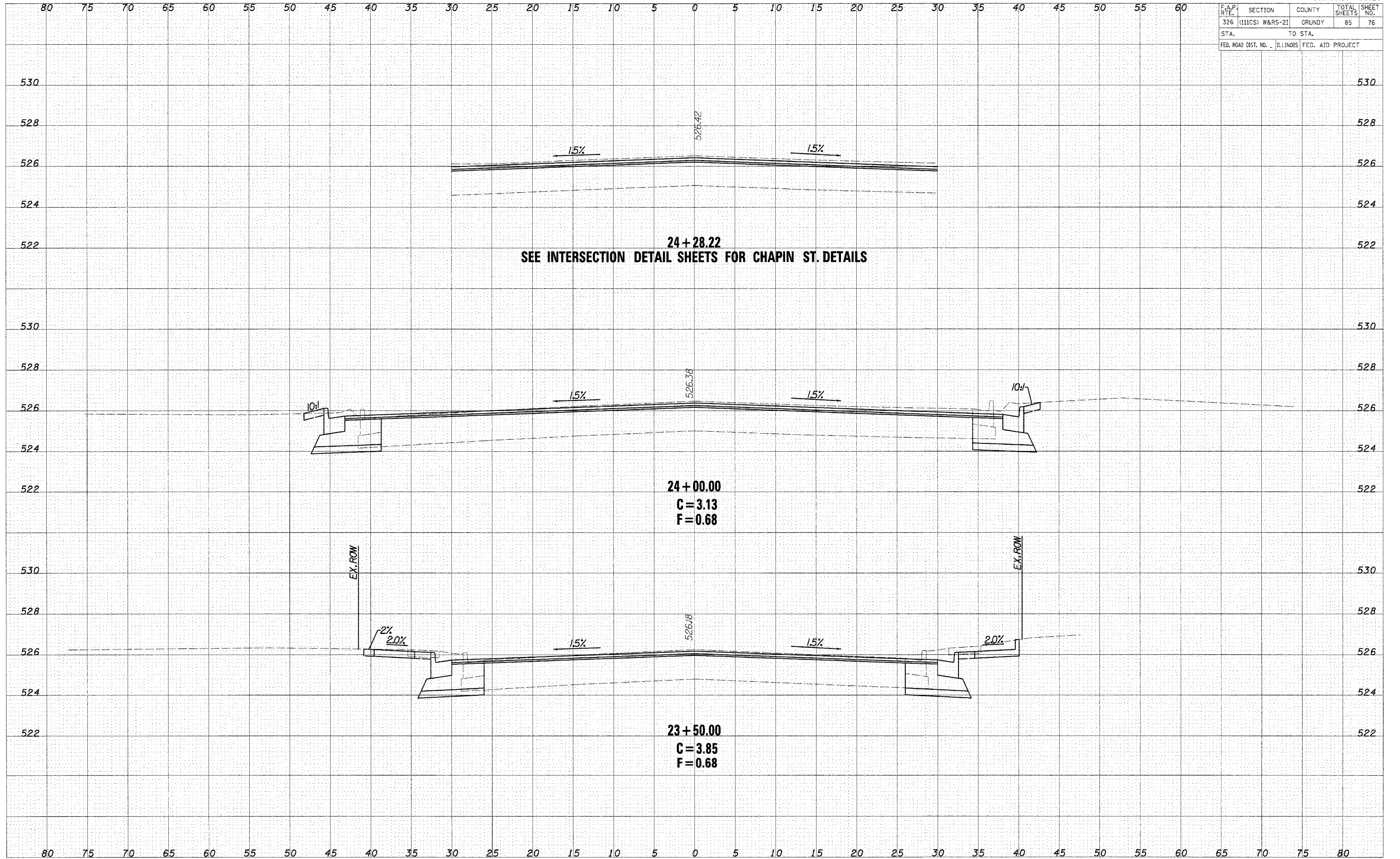
DATE	BY

DATE	BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
DESIGNED	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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NOTE BOOK	
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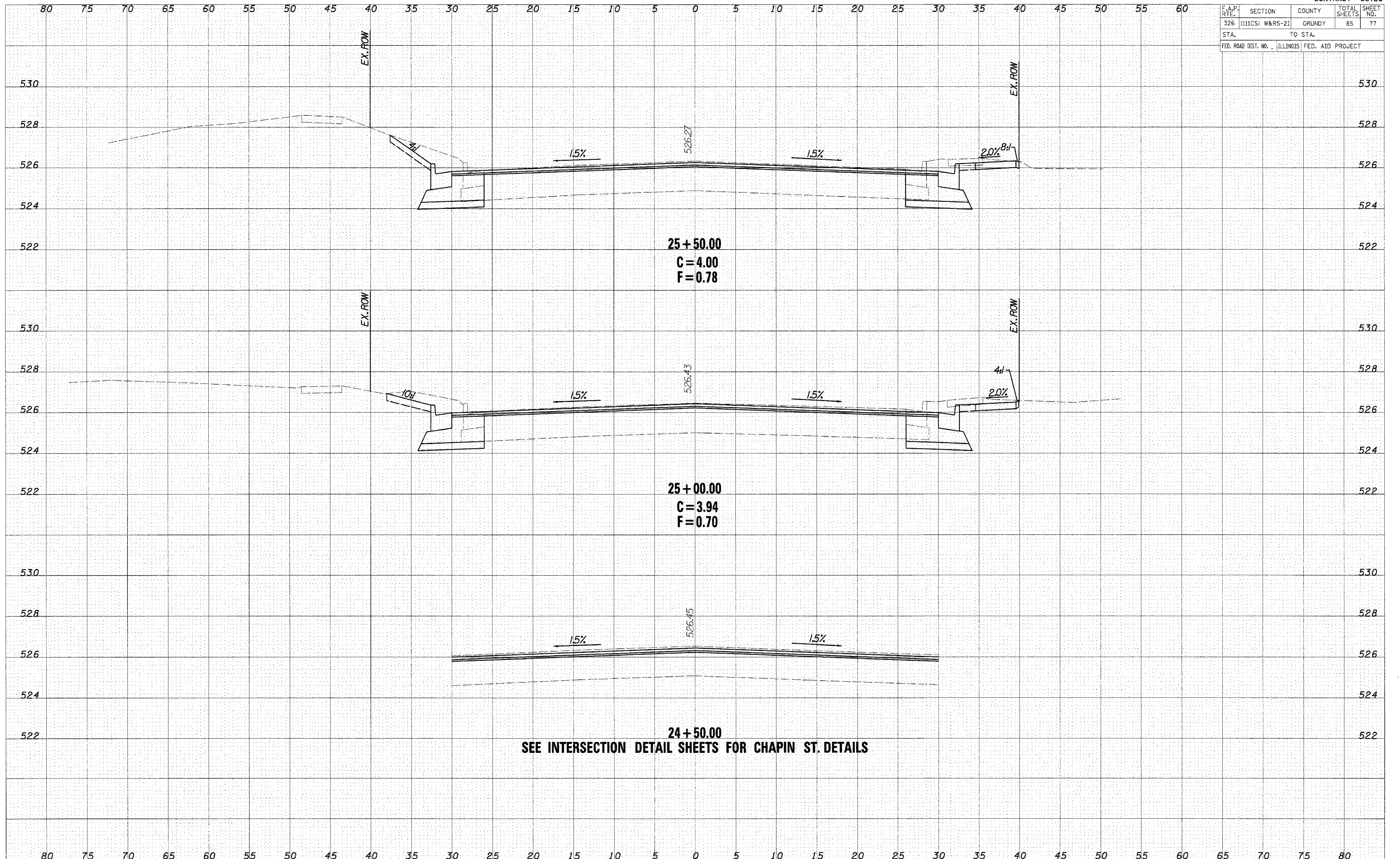


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



25+50.00
C = 4.00
F = 0.78

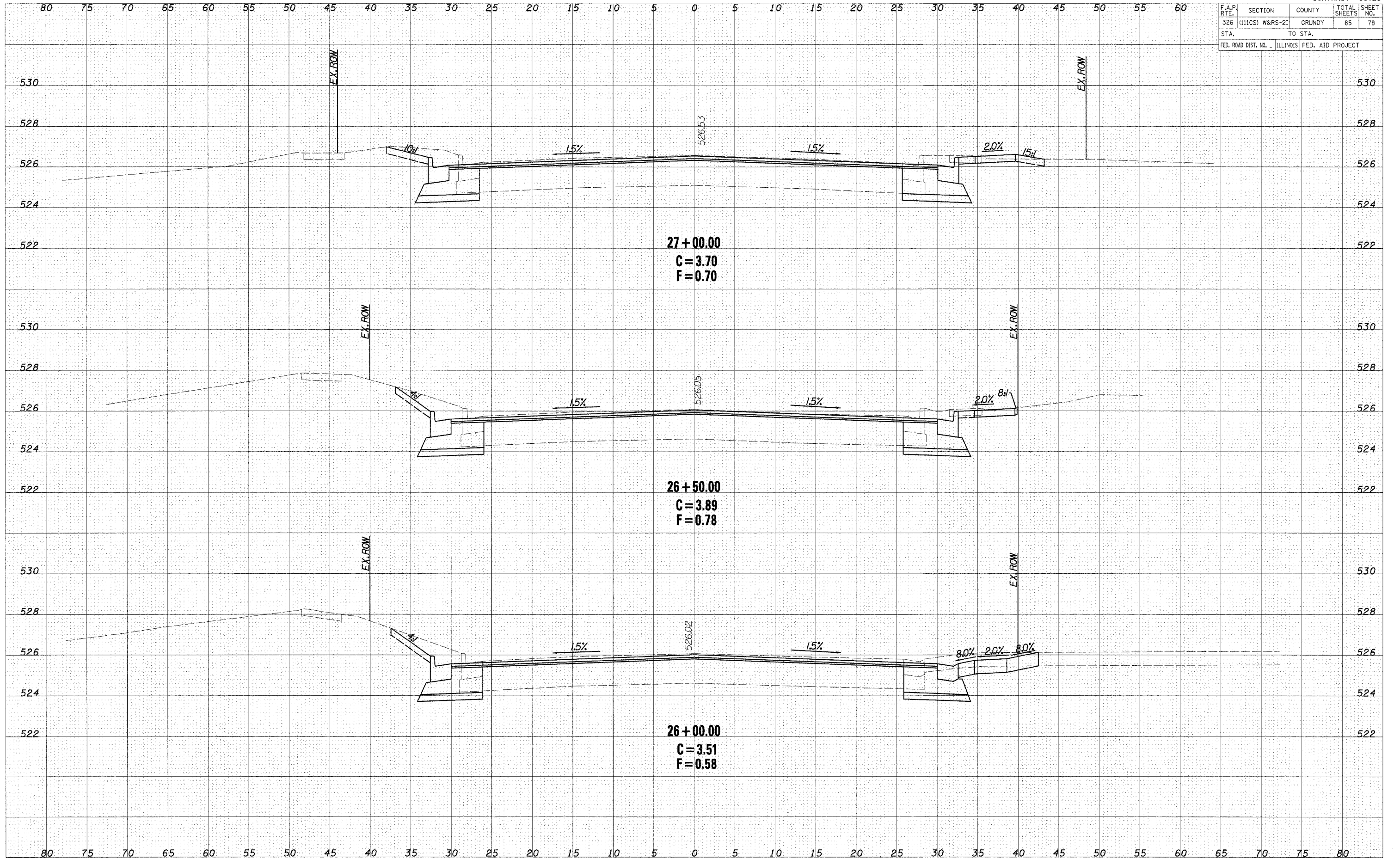
25+00.00
C = 3.94
F = 0.70

24+50.00
SEE INTERSECTION DETAIL SHEETS FOR CHAPIN ST. DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

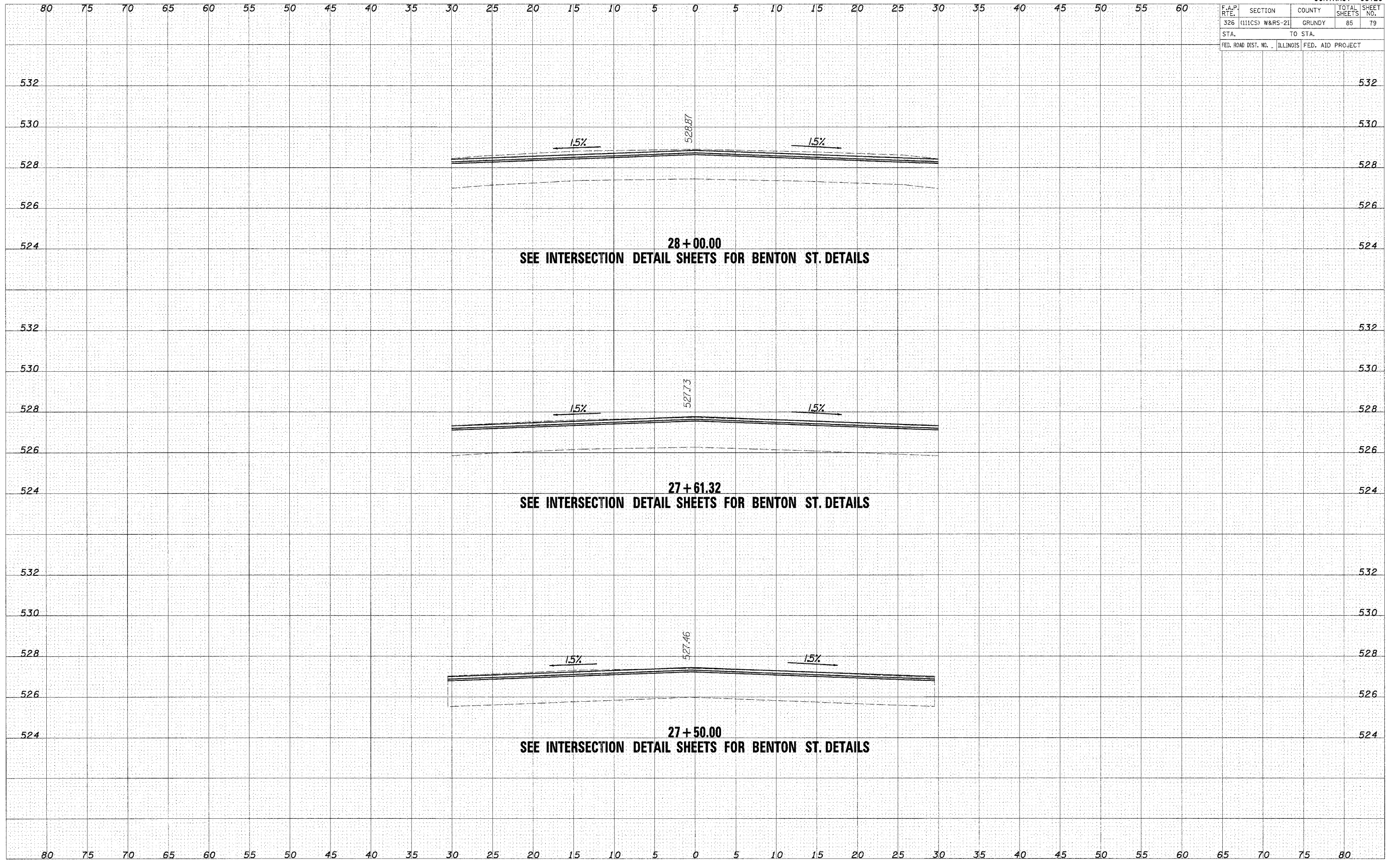


CROSS SECTIONS - IL ROUTE 47

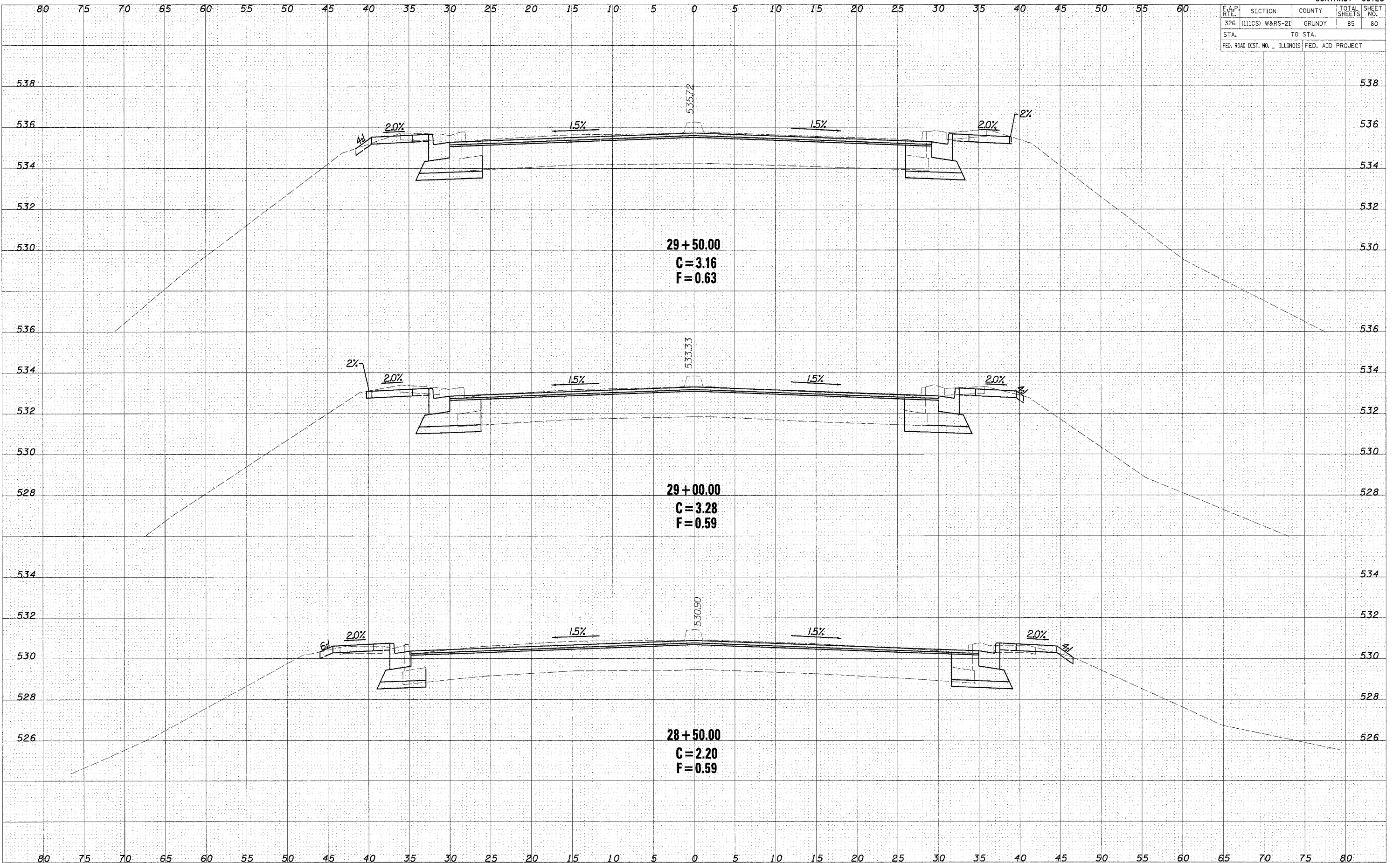
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	79
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION	NO.
		DESIGNED	
		PLOTTED	
		TEMPLATE	
		AREAS	
		CHECKED	

DATE	BY	REVISION	NO.
		DESIGNED	
		PLOTTED	
		TEMPLATE	
		AREAS	
		CHECKED	



F.A.P. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	80
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT			



CROSS SECTIONS - IL ROUTE 47

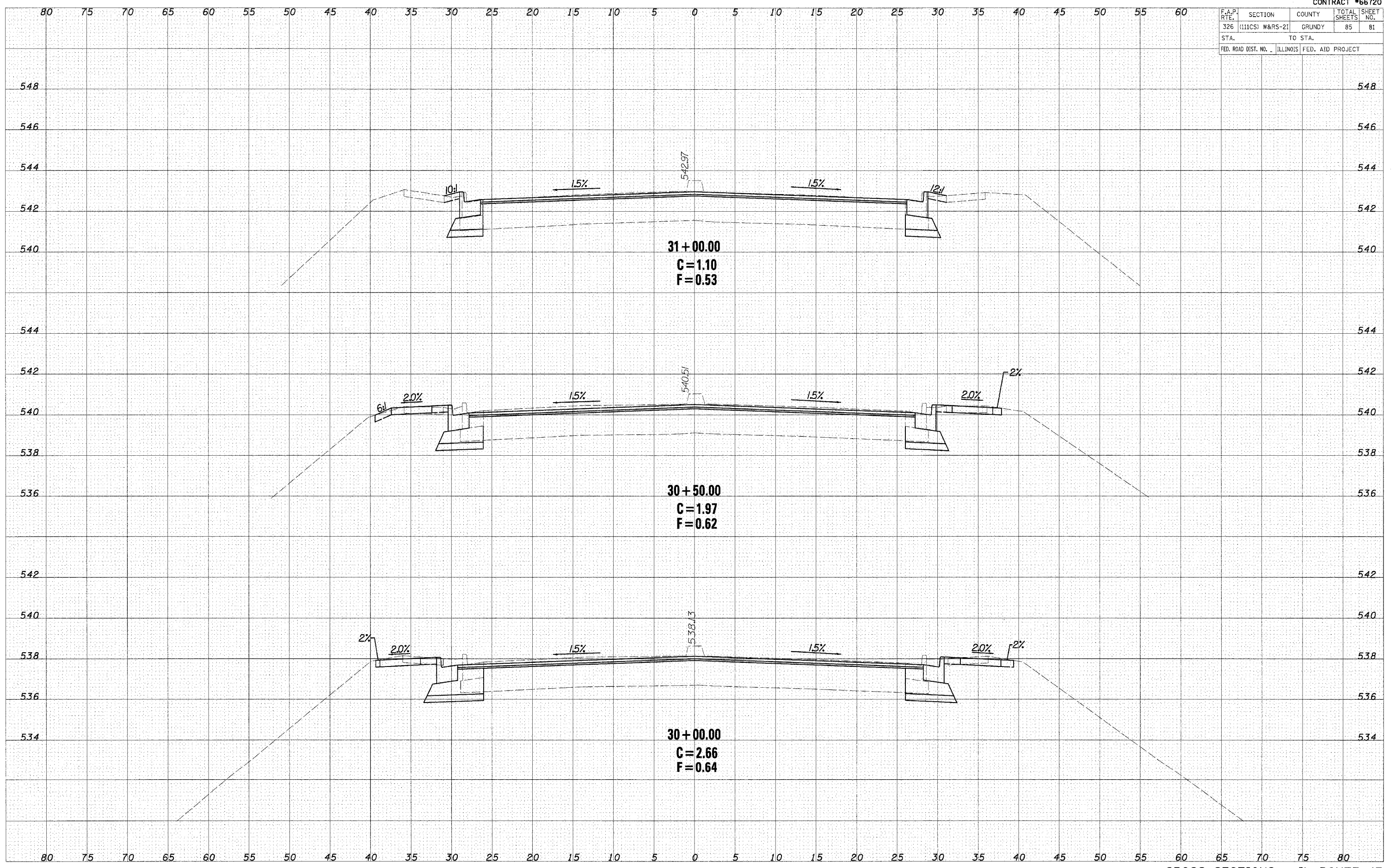
DATE	BY
ORIGINAL SURVEY	
TEMPORARY	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	BY
ORIGINAL SURVEY	
TEMPORARY	
NOTE BOOK	
AREAS CHECKED	
NO.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	81
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

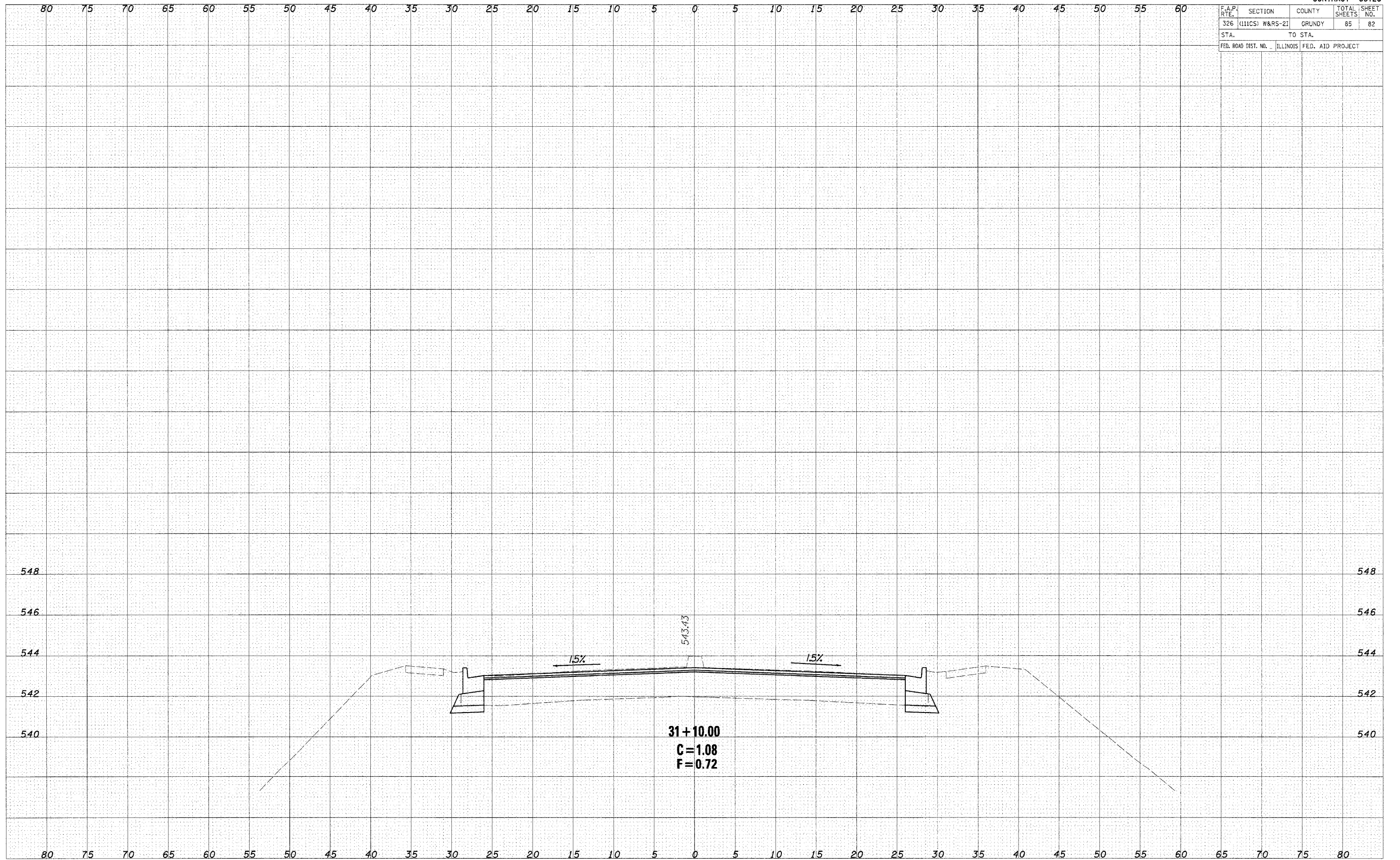


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	82
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVIEWED	DATE
NO.	NO.	NO.	NO.
ORIGINAL SURVEY	ENGINEER	PLOTTED	DATE
NOTE BOOK	TEMPLE	AREAS	
		CHECKED	

DATE	BY	REVIEWED	DATE
NO.	NO.	NO.	NO.
ORIGINAL SURVEY	ENGINEER	PLOTTED	DATE
NOTE BOOK	TEMPLE	AREAS	
		CHECKED	

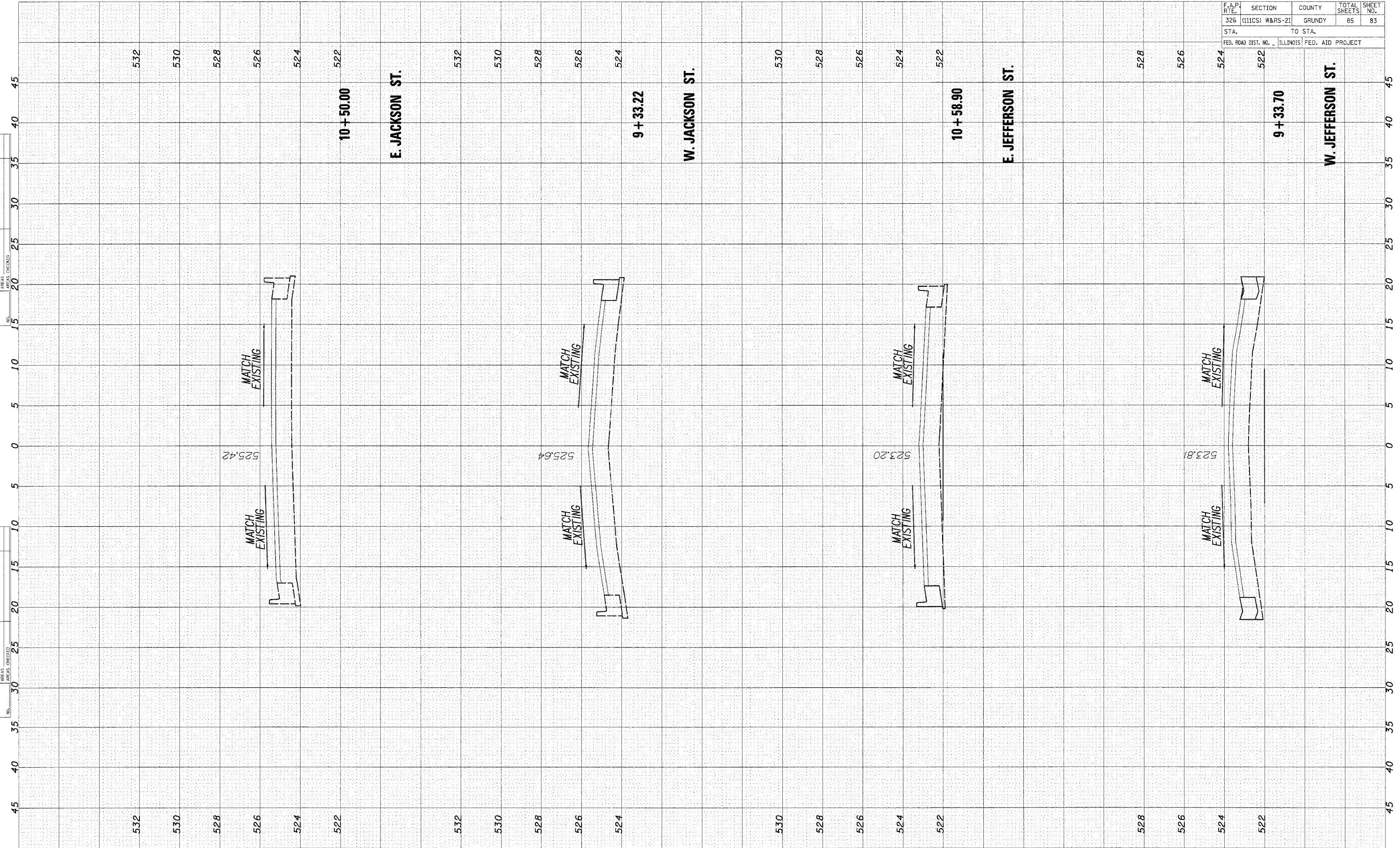


CROSS SECTIONS - IL ROUTE 47

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	83
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SHEET	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SHEET	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

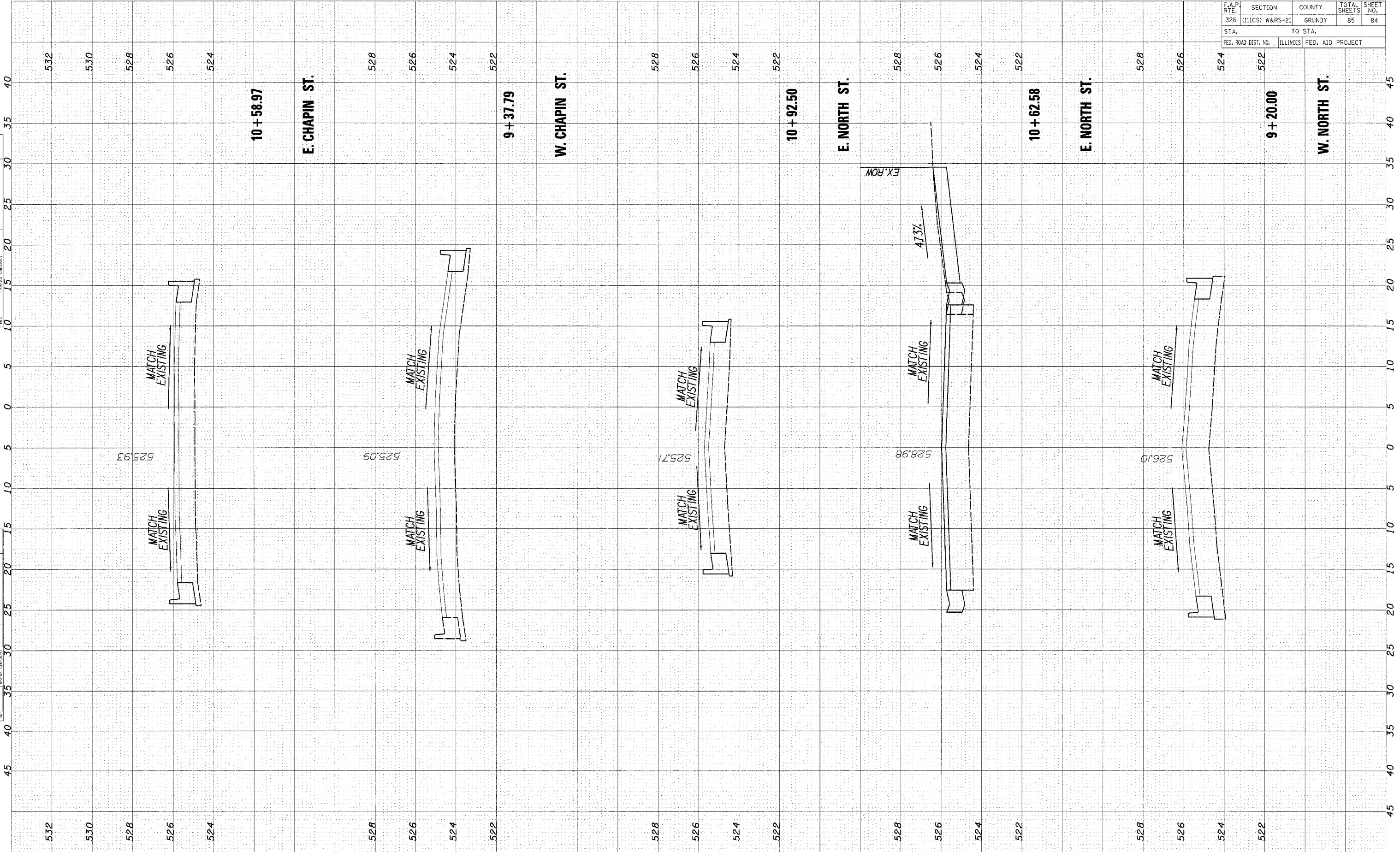


CROSS SECTIONS - JEFFERSON ST./JACKSON ST.

F.A.P. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	84
STA.		TO STA.		
FED. ROAD DIST. No. ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMP. LATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMP. LATE		
	AREAS CHECKED		



CROSS SECTIONS - NORTH ST./CHAPIN ST.

CONTRACT #66720

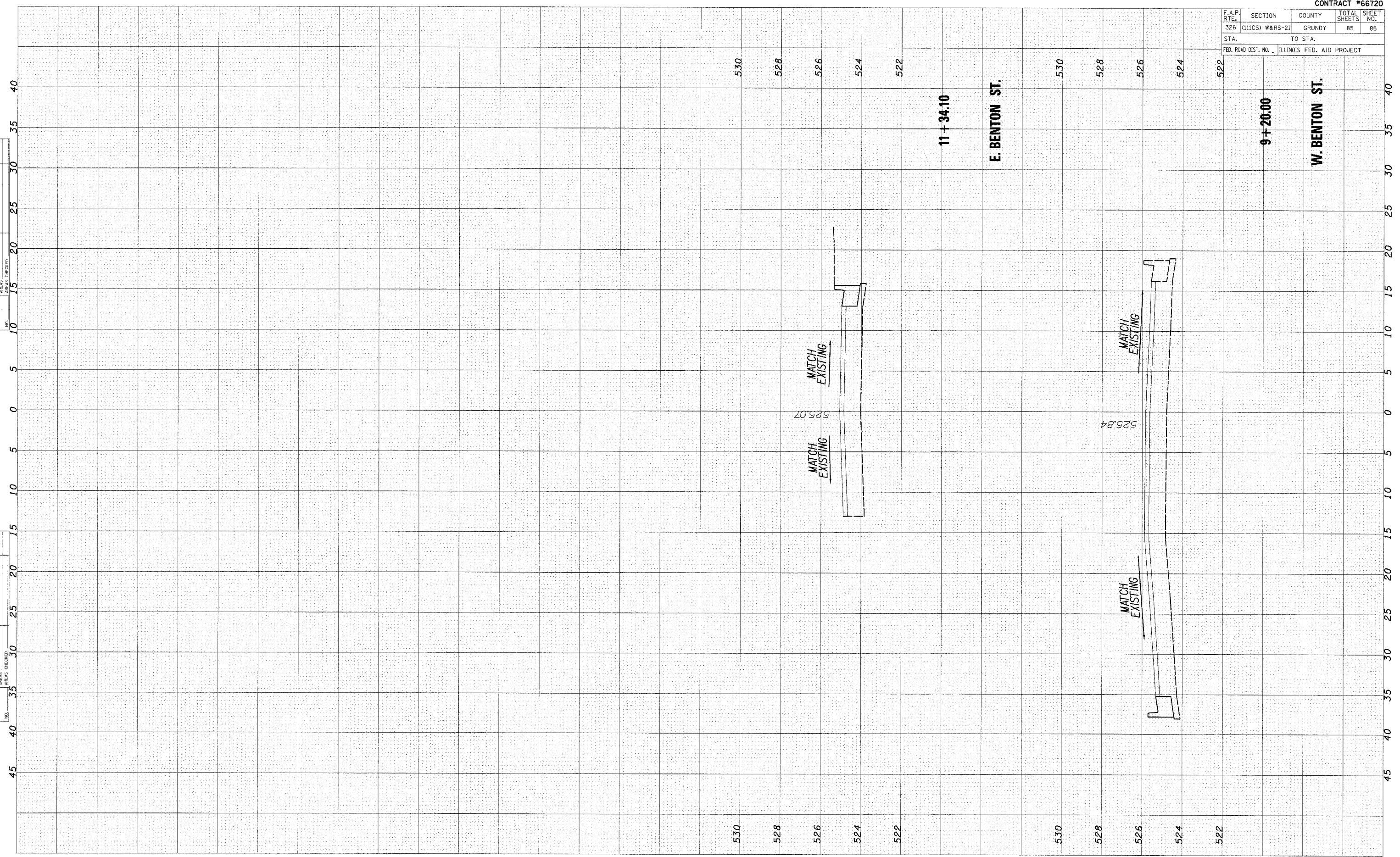
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



CROSS SECTIONS - BENTON ST.