

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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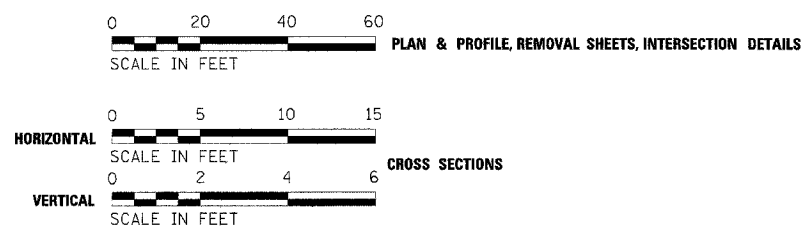
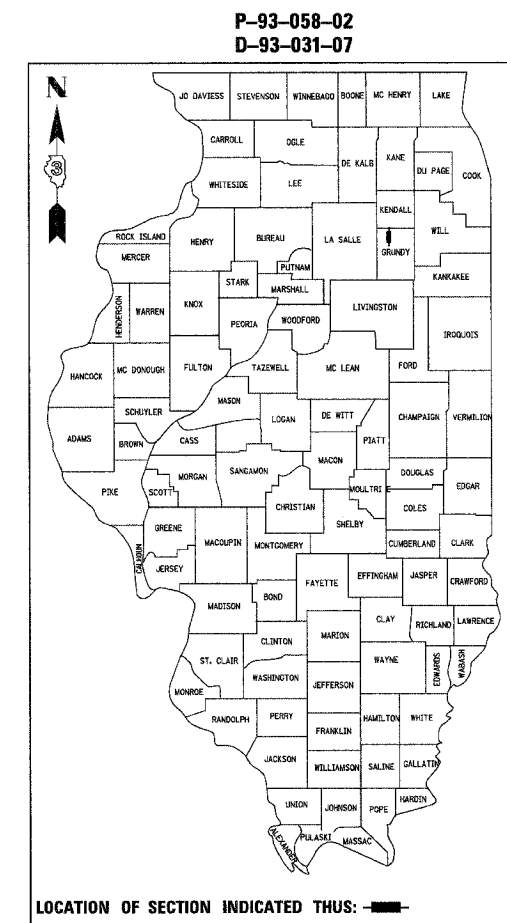
HIGHWAY STANDARDS

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 F0326 (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 _____

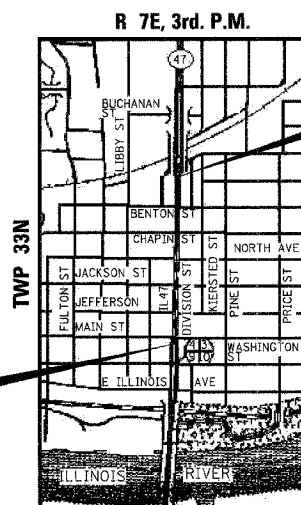
JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

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

CONTRACT NO. 66720

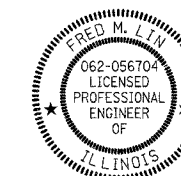
PROJECT BEGINS
STA. 10 + 56.34



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.



SEAL

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 _____

Deane Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 21, 2008
Eric E. Harrel
 ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2008
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

DATE-TIME
JOB-SPEC

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				

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 SEEDED 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

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 Pavell
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-4-08

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

BITUMINOUS MIXTURES TABLE				
	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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES, COMMITMENTS,
& LEGEND
IL ROUTE 47
GRUNDY COUNTY

SCALE: None
DATE: OCTOBER 2007
DRAWN BY: KHH
CHECKED BY: FML

Feb 04, 2008 - 10:40:18 AM
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

90% FED
10% STATE
HSIP URBAN F

L53
HSIP
90% FED L20
10% STATE F
URBAN

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	8/20 FED STATE I000-2A
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"	SO YD	990.2	990.2		
25100630	EROSION CONTROL BLANKET	SO YD	248.0	248.0		
25200110	SODDING, SALT TOLERANT	SO 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"	SO 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	SO YD	1233			1233

FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	80/20 FED/ST I000-2A
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	SO YD	19690.3	19690.3		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	30.3			30.3
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	394.2			394.2
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	11236	11236		
42400420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SO FT	2374.1	2374.1		
42400800	DETECTABLE WARNINGS	SO FT	402.8	402.8		
44000100	PAVEMENT REMOVAL	SO YD	198.6			198.6
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	15459.3			15459.3
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	561			561
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4383.1			4383.1
44000600	SIDEWALK REMOVAL	SO FT	11884.1	11884.1		
44002805	ISLAND REMOVAL	SO FT	493.4			493.4
44003100	MEDIAN REMOVAL	SO FT	992.2			992.2
44200276	PAVEMENT PATCHING, TYPE II	SO YD	737.0			737.0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3604.4			3604.4

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	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	80/20 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)	SQ 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
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F

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FAP 326 (IL ROUTE 47)				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				RWY	TS	STP
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	8020 FED STATE I000-2A
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	SQ FT	1234	1234		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	32	32		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	85	85		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ 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	STP
CODE NO.	ITEM	UNIT	TOTAL	I000-2A	Y031-1F	STP
78300100	PAVEMENT MARKING REMOVAL	SQ 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

* 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
URBAN
90% FED
10% STATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	RUNDY	85	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

HSIP
90% FED
10% STATE
URBAN

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	1000-2A	4031-1F	●
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 MM12F_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	SQ FT	289.9	289.9		
* XX006661	UNINTERRUPTABLE POWER SUPPLY	EACH	3		3	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SQ 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	SQ 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% ~~4031-3D~~

* 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

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

20200100 EARTH EXCAVATION			
LOCATION	OFFSET	QUANTITY	
STATION TO STATION		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 QUANTITY (CU. YD.)	59300100 CONTROLLED LOW-STRENGTH MATERIAL 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"			
LOCATION	OFFSET	QUANTITY	
STATION TO STATION		(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			
LOCATION	OFFSET	QUANTITY	
STATION TO STATION		SO. 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"			
LOCATION	OFFSET	QUANTITY	
STATION TO STATION		SO. 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
	NORTH	48.5
JEFFERSON	EAST	63.7
	EAST	33.2
	WEST	66.2
	WEST	34.4
JACKSON	EAST	60.6
	EAST	35.2
	WEST	65.8
	WEST	34.3
NORTH	EAST	70.9
	EAST	24.3
	WEST	33.9
	WEST	77.1
CHAPIN	EAST	63.7
	EAST	33.5
	WEST	71.4
	WEST	40.1
BENTON	EAST	56.1
	EAST	55.4
	EAST	24.1
	EAST	24.4
	WEST	53.7
	WEST	58.8
TOTAL		1233.0

40600845 POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90			
ALIGNMENT	STATION TO STATION	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
JDOT	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. _		ILLINOIS FED. AID PROJECT		

40603570 - POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90			
LOCATION		QUANTITY	
ALIGNMENT	STATION TO STATION	TONS	
IL 47	10+56.3 31+10.0	1145	
BENTON	10+00.0 11+34.2	56	
TOTAL		1201	

40800050		
INCIDENTAL HOT MIX ASPHALT SURFACING		
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

42001300 PROTECTIVE COAT	
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

42300200		
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH		
LOCATION	OFFSET	QUANTITY SQ. YD.
13+28.54	RT	30.3
TOTAL		30.3

42300400		
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		
LOCATION	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		
WEST	LT	2.0
JEFFERSON		
EAST	LT	30.9
NORTH		
TOTAL		394.2

42400100		
PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH		
LOCATION	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

42400420		
PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH SPECIAL		
LOCATION	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

44000200		
DRIVEWAY PAVEMENT REMOVAL		
LOCATION	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		
WEST	LT	1.7
JEFFERSON		
EAST	LT	31.2
NORTH		
TOTAL		561.0

42400800		
DETECTABLE WARNINGS		
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

44000100		
PAVEMENT REMOVAL		
LOCATION	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

44000198			
HMA SURFACE REMOVAL, VARIABLE DEPTH			
ALIGNMENT	STATION TO STATION	SQ. 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	

44000500		
COMBINATION CURB AND GUTTER REMOVAL		
LOCATION	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

44000600 SIDEWALK REMOVAL		
LOCATION	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

44002805 ISLAND REMOVAL	
LOCATION	QUANTITY SQ. FT.
WEST BENTON ISLAND	241.0
EAST BENTON ISLAND	252.4
TOTAL	493.4

44003100	
MEDIAN REMOVAL	
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

44300200			
STRIP REFLECTIVE CRACK CONTROL TREATMENT			
LOCATION	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

44200276			
PAVEMENT PATCHING, TYPE II			
LOCATION	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

42400410			
PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH			
LOCATION	OFFSET	QUANTITY SQ. FT.	
10+90.83 BENTON ST.	28+84.87 IL 47	RT	797
TOTAL			797

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	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		SQ. 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
STATION TO STATION	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		SQ. 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
STATION TO STATION	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
STATION TO STATION	SQ. 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
STATION TO STATION	SO. YD.		
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
STATION TO STATION	UNIT		
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					
LOCATION			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

28000400 PERIMETER EROSION BARRIER			
LOCATION		OFFSET	QUANTITY
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

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

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-2I	GRUNDY	85	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

55100500, 55100700, 55100900, 55101100, 55101200 STORM SEWER REMOVAL							
STATION			FOOT				
			12"	15"	18"	21"	24"
FROM	TO	OFFSET	55100500	55100700	55100900	55101100	55101200
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

60235700, 60240220 INLETS				
LOCATION		EACH		
		TYPE A TYPE 3 FRAME AND GRATE	TYPE B TYPE 3 FRAME AND GRATE	
STATION	OFFSET	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	

60221100, 60221200, 60223810 MANHOLE, TYPE A				
LOCATION		EACH		
		5' DIAMETER TYPE 1 FRAME, CLOSED LID	5' DIAMETER TYPE 3 FRAME AND GRATE	6' DIAMETER TYPE 3 FRAME AND GRATE
STATION	OFFSET	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

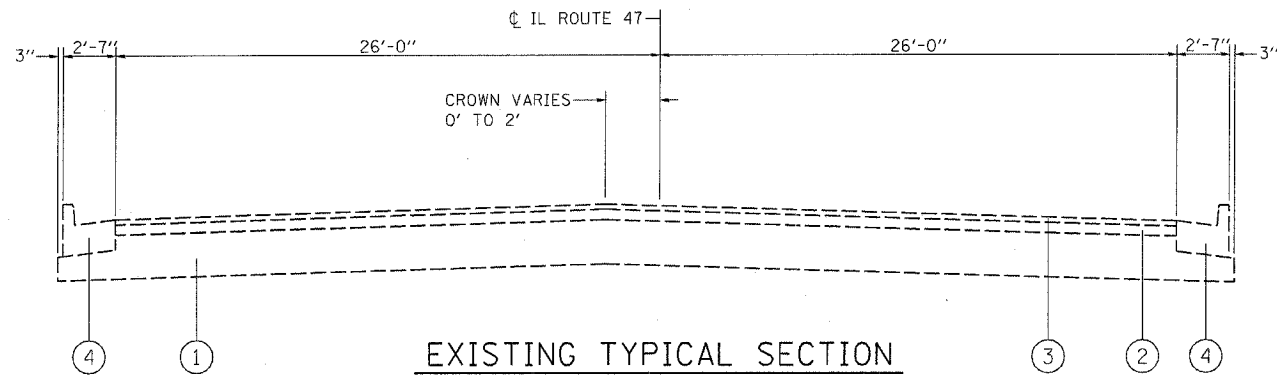
REVISIONS	
NAME	DATE
IDOT	5-15-08

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

SCALE: NONE
 DATE: 09/2007

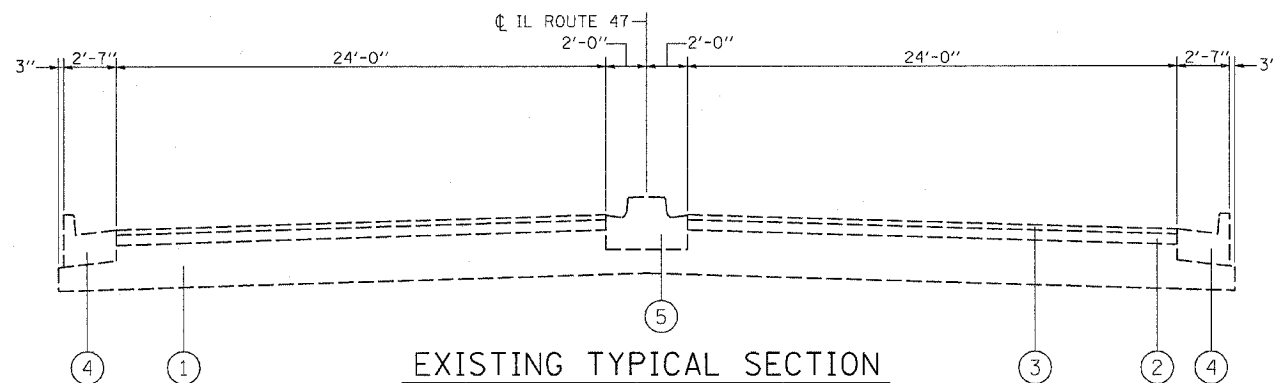
DRAWN BY: KHH
 CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



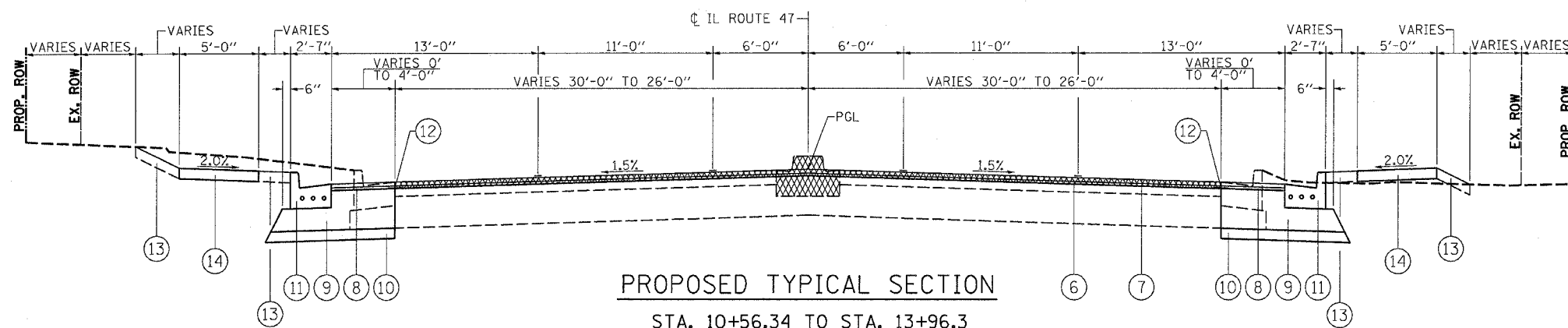
EXISTING TYPICAL SECTION

STA. 10+56.34 TO STA. 28+20.1



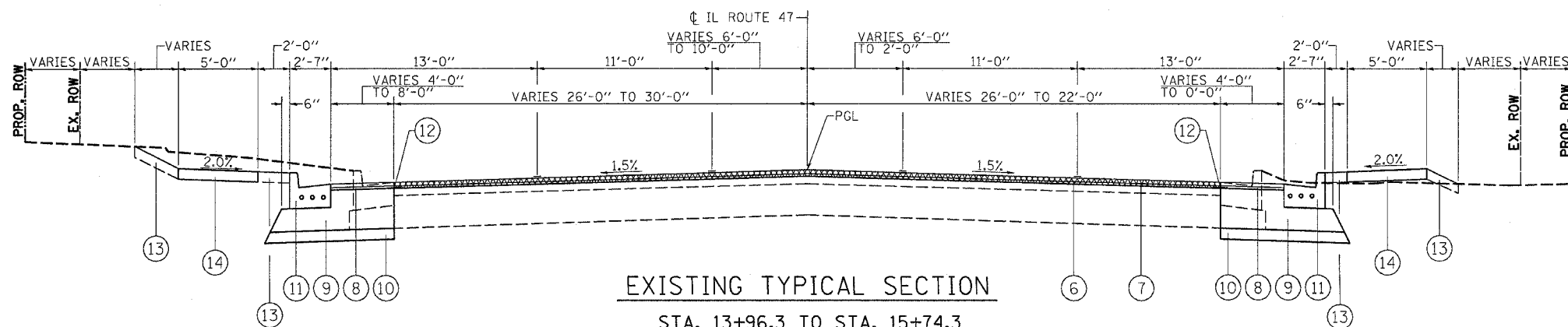
EXISTING TYPICAL SECTION

STA. 28+20.1 TO STA. 31+10.0



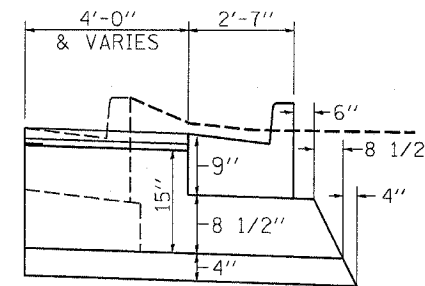
PROPOSED TYPICAL SECTION

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".

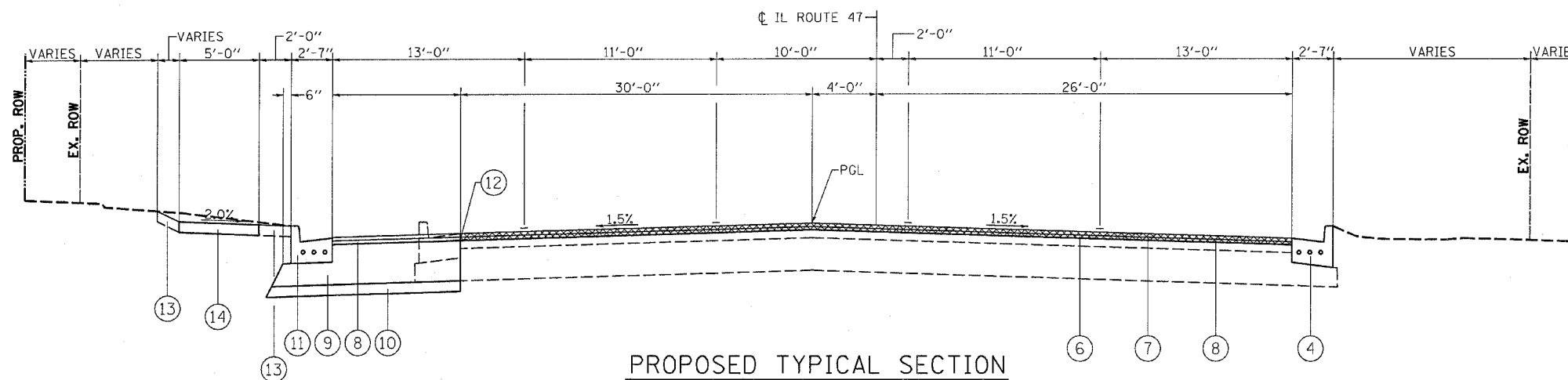
REVISIONS	
NAME	DATE

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

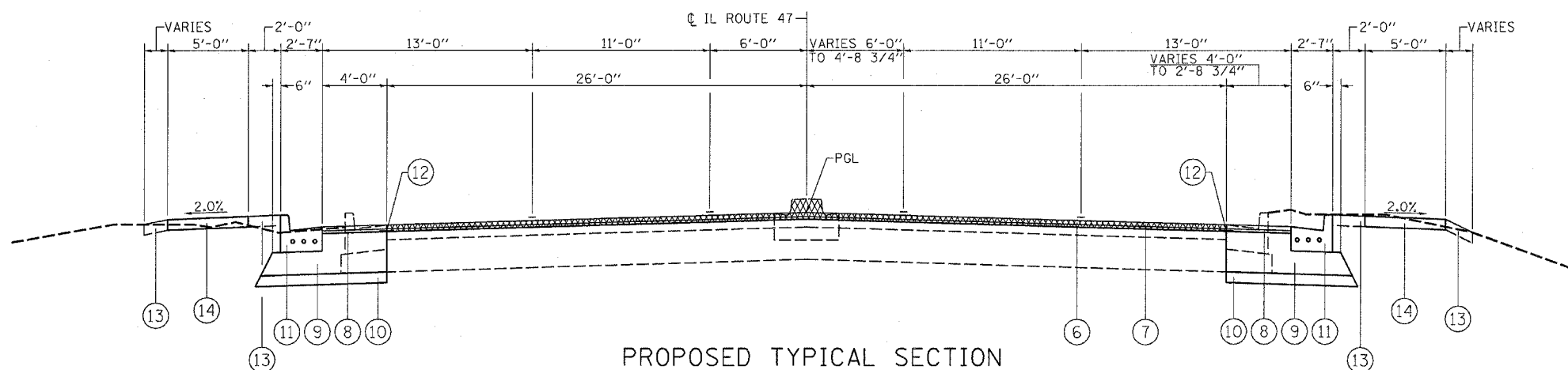
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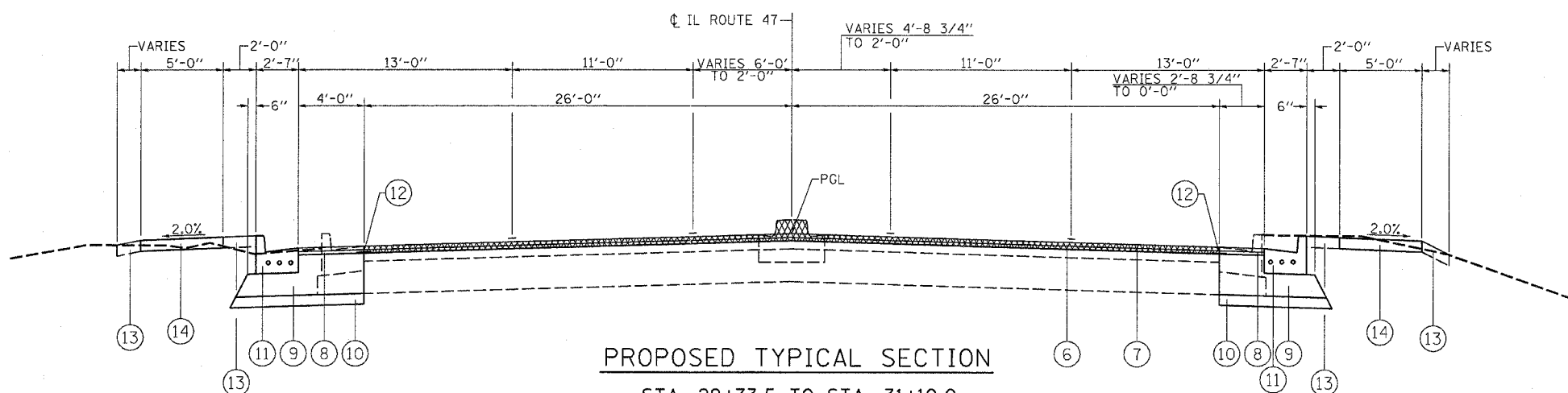
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	14
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		



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

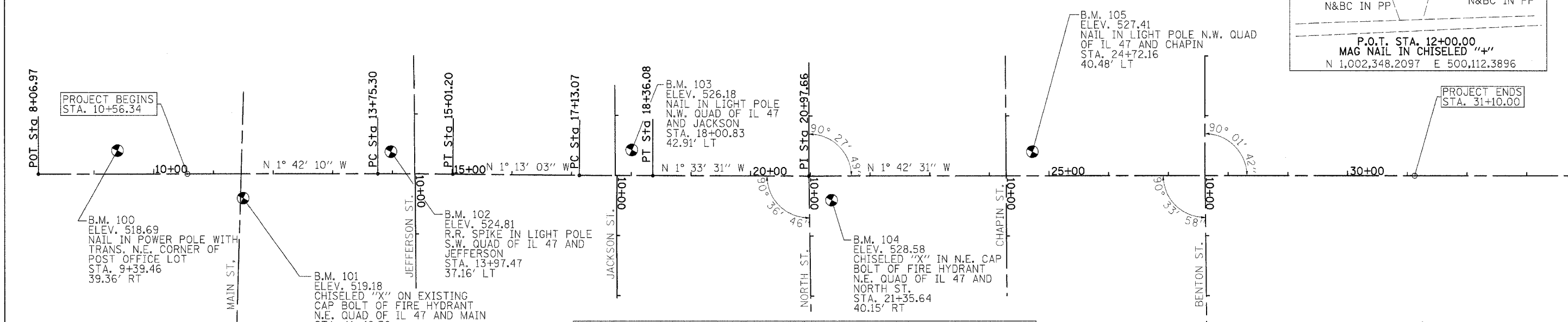
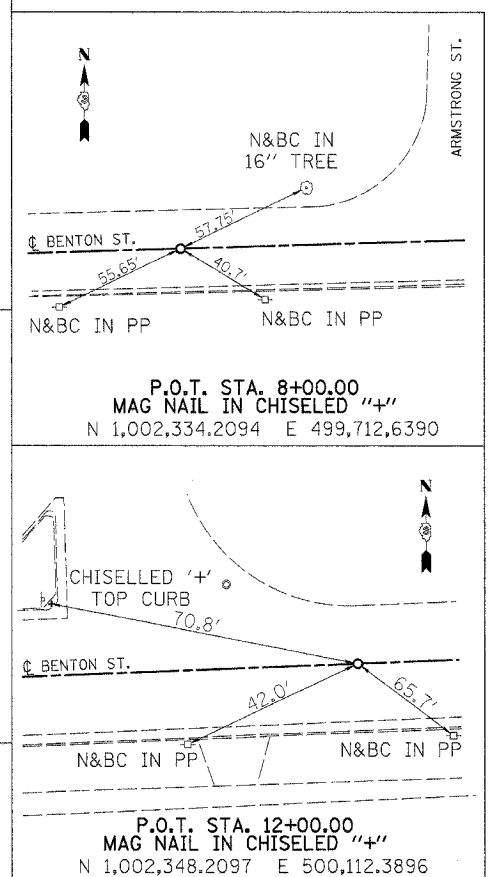
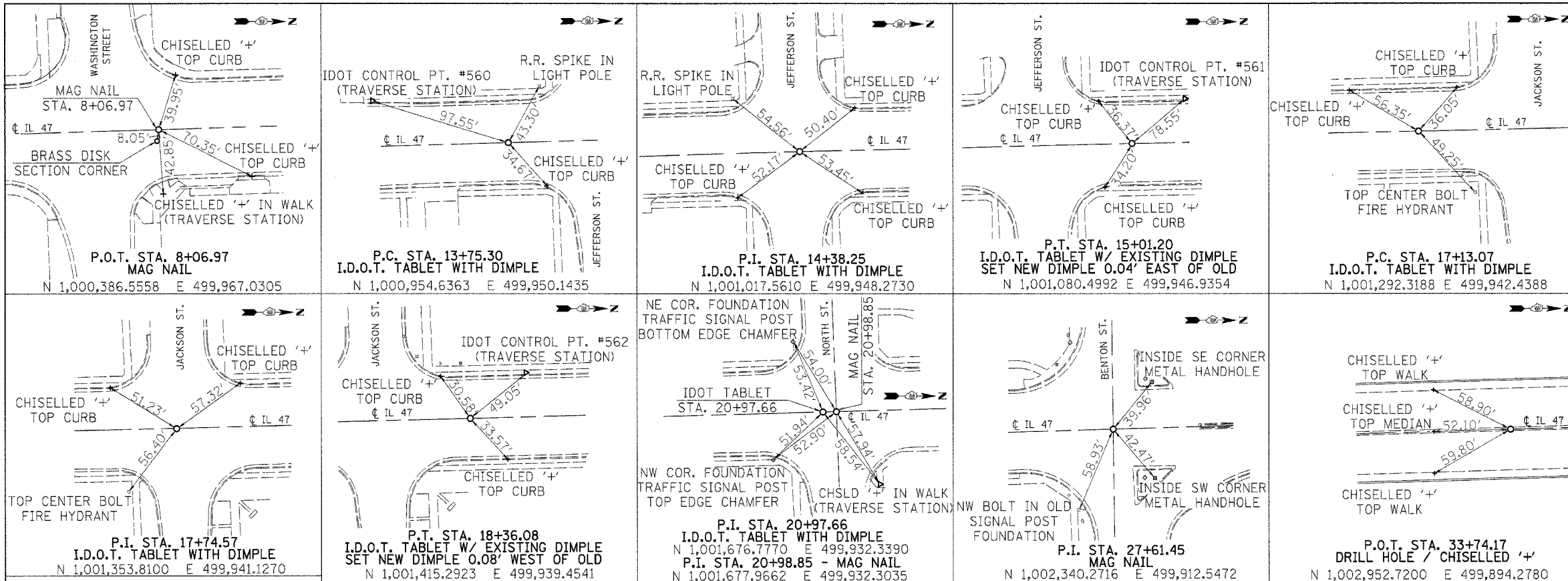
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 47
GRUNDY COUNTY

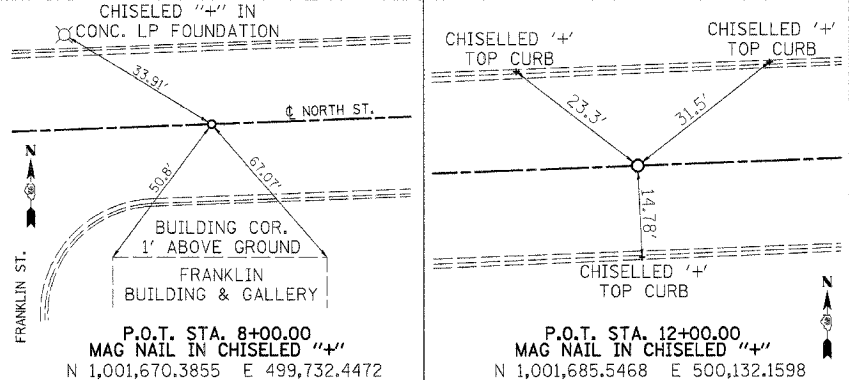
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DATE: 08/2007

DRAWN BY: KHH
CHECKED BY: FML

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



<p>PROP. CURVE 74CL200-2 PI STA. = 14+38.25 $\Delta = 0^\circ 29' 07''$ (RT) $D = 0^\circ 23' 07''$ $R = 14,867.06'$ $T = 62.95'$ $L = 125.90'$ $E = 0.13'$ $e =$ $T.R. =$ $S.E. RUN =$ P.C. STA. = 13+75.30 P.T. STA. = 15+01.20</p>	<p>PROP. CURVE 74CL200-3 PI STA. = 17+74.57 $\Delta = 0^\circ 20' 28''$ (LT) $D = 0^\circ 16' 38''$ $R = 20,657.99'$ $T = 61.51'$ $L = 123.01'$ $E = 0.09'$ $e =$ $T.R. =$ $S.E. RUN =$ P.C. STA. = 17+13.07 P.T. STA. = 18+36.08</p>
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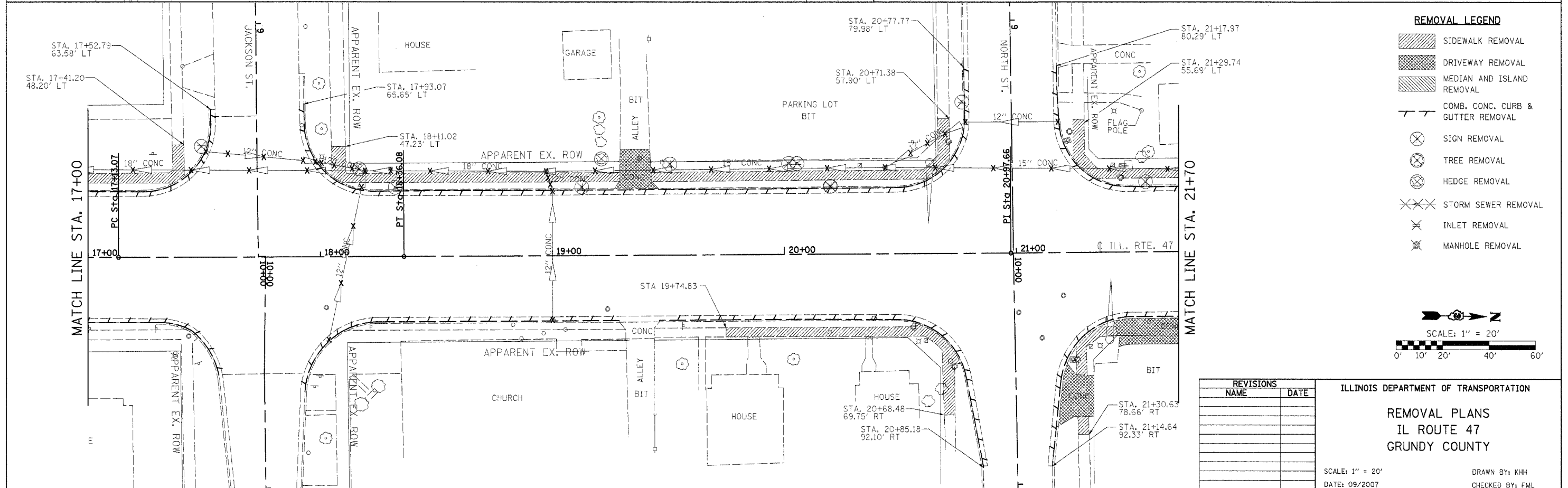
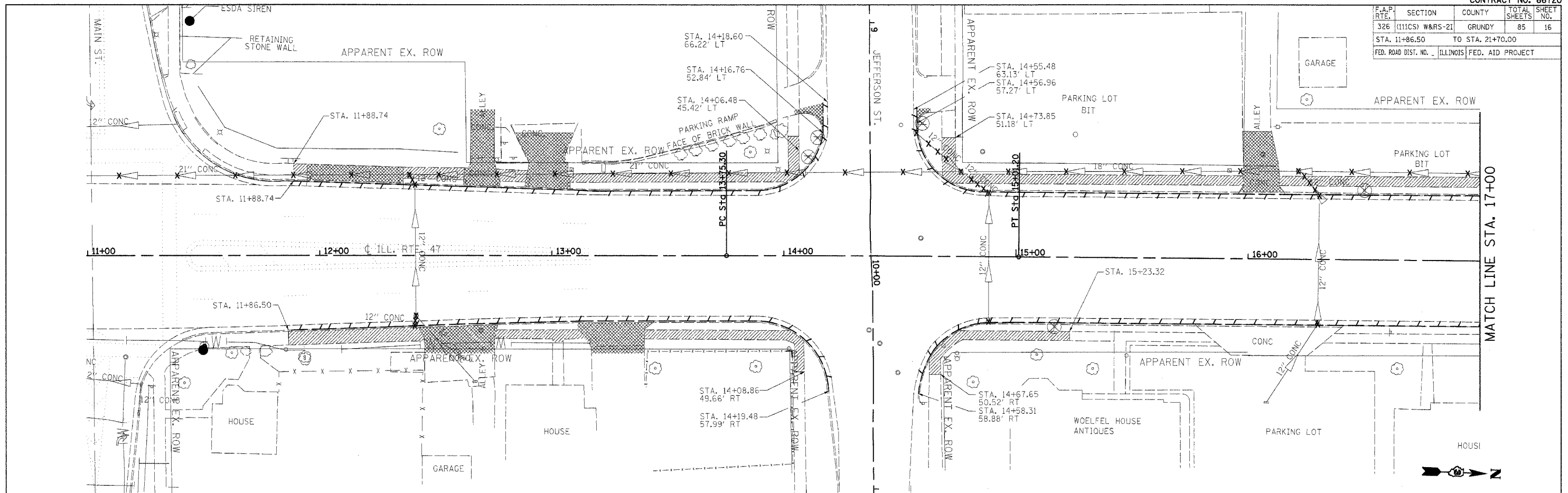
ALL BEARINGS SHOWN ARE BASED ON AN ASSUMED COORDINATE SYSTEM - PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE

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

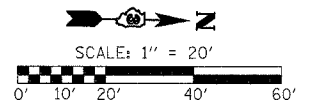
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 DATE: 08/2007
 DRAWN BY: KHH
 CHECKED BY: FML

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				



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



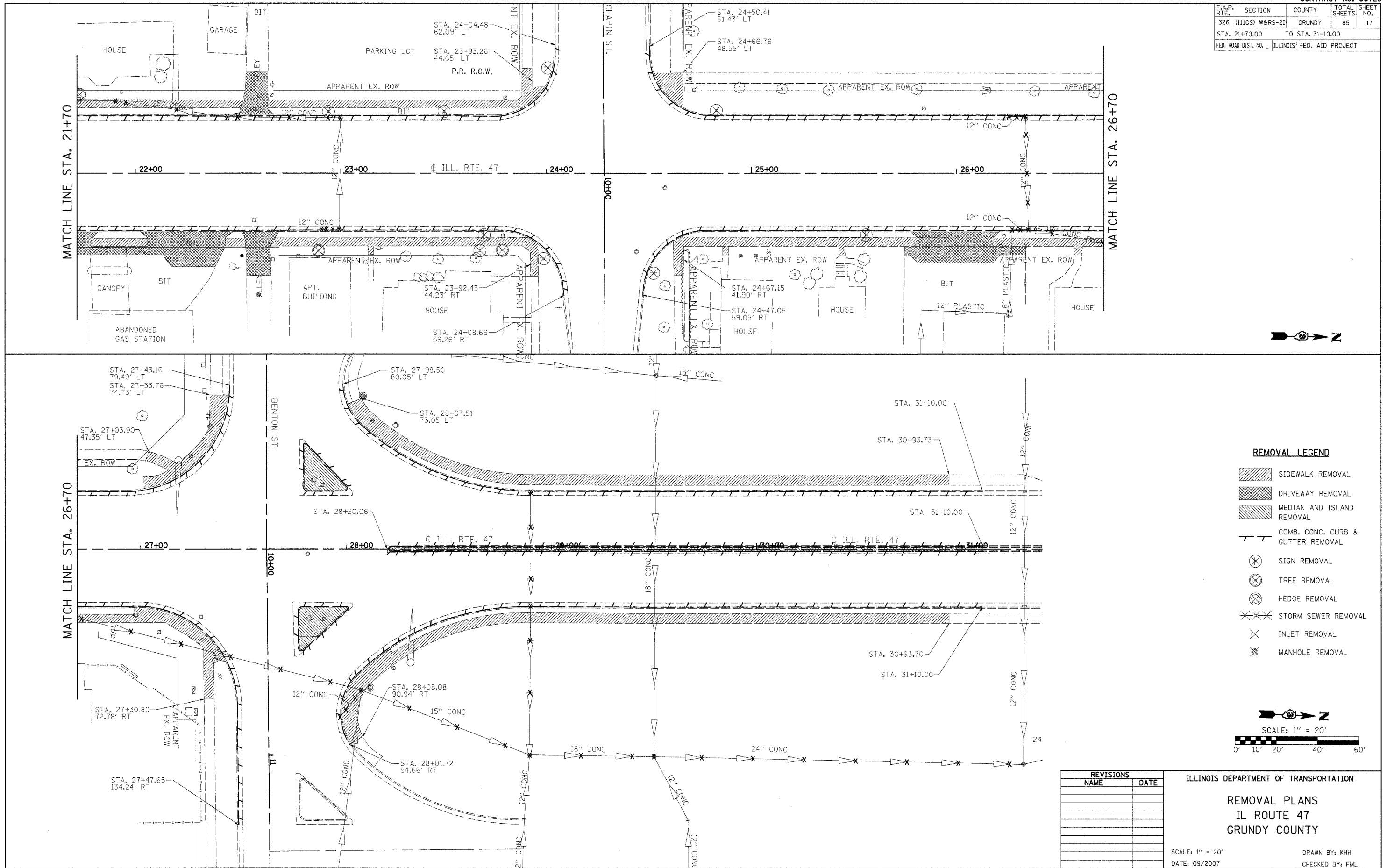
REVISIONS	
NAME	DATE

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

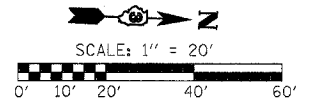
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C5) W&RS-2I	GRUNDY	85	17
STA. 21+70.00		TO STA. 31+10.00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

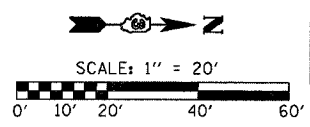
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 DATE: 09/2007

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 CHECKED BY: FML

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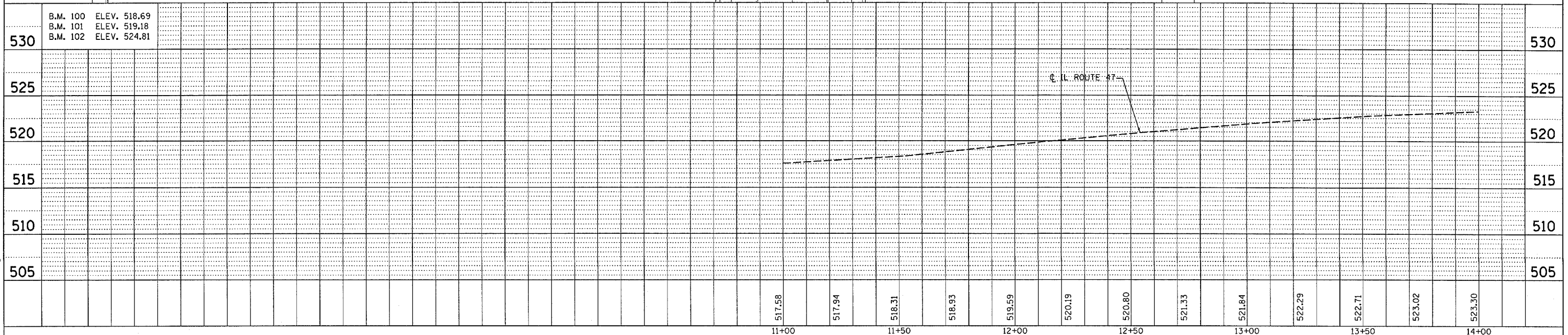
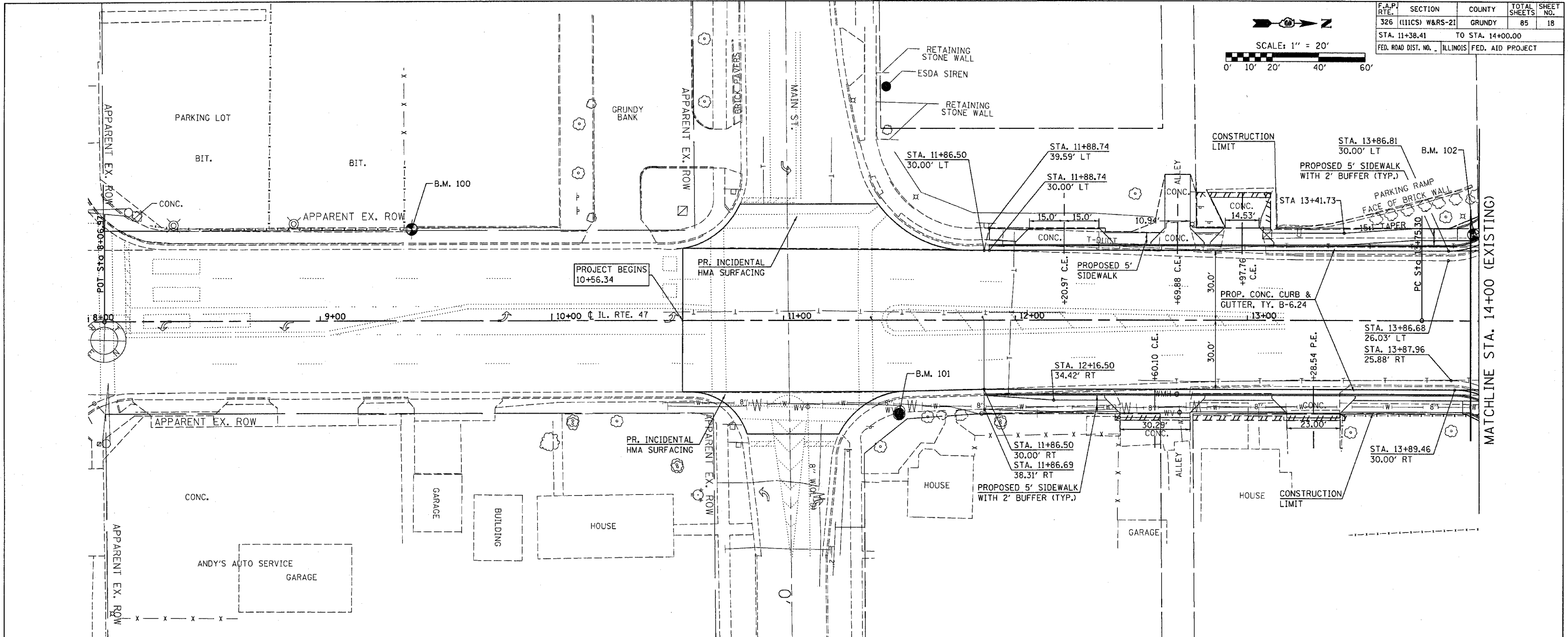
IL ROUTE 47 - REMOVAL PLANS

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. ILLINOIS		FED. AID PROJECT		



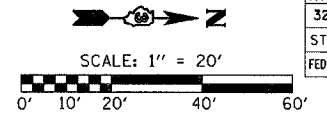
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DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY



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

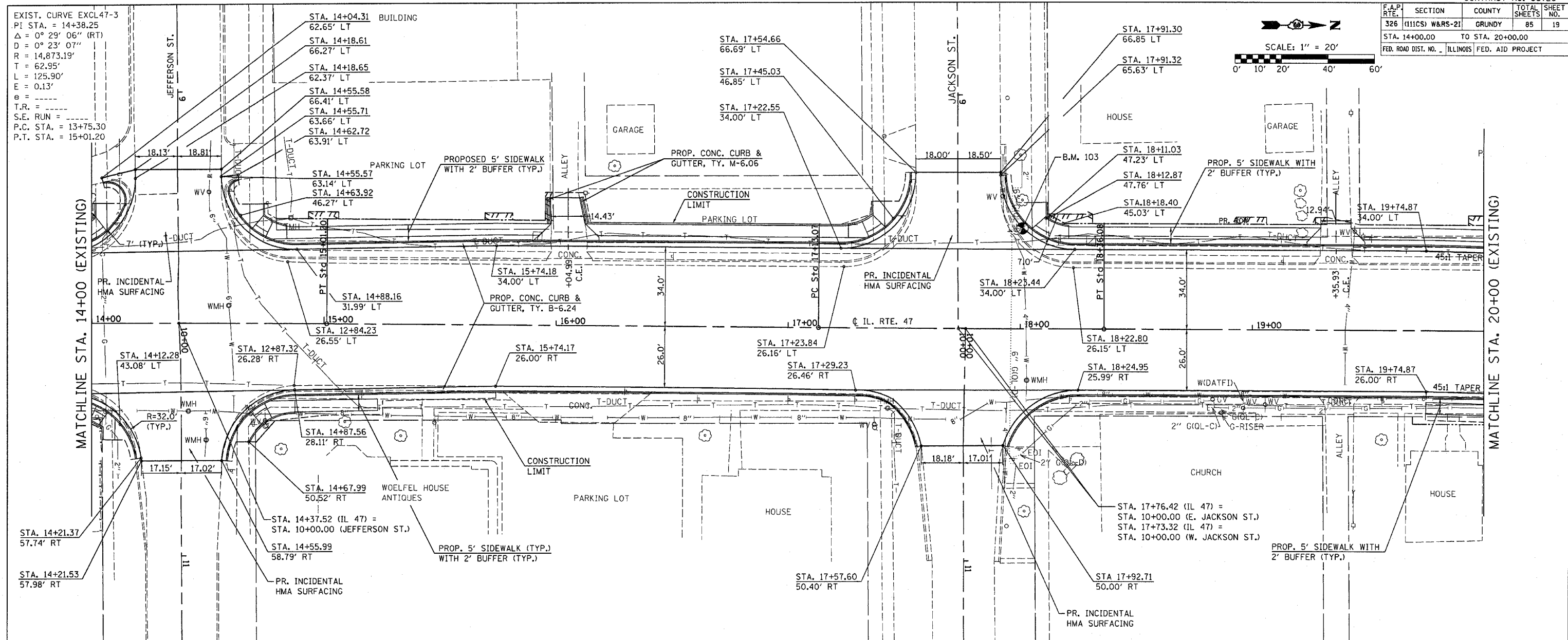


EXIST. CURVE EXCL47-3
 PI STA. = 14+38.25
 $\Delta = 0^\circ 29' 06''$ (RT)
 $D = 0^\circ 23' 07''$
 $R = 14,873.19'$
 $T = 62.95'$
 $L = 125.90'$
 $E = 0.13'$
 $\theta = \dots$
 T.R. = \dots
 S.E. RUN = \dots
 P.C. STA. = 13+75.30
 P.T. STA. = 15+01.20

DATE	BY

DATE	BY

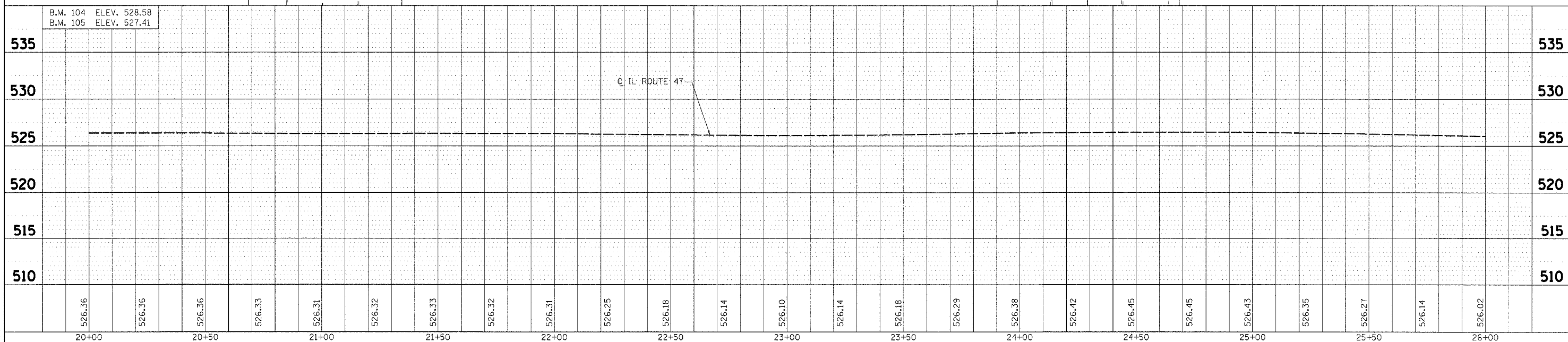
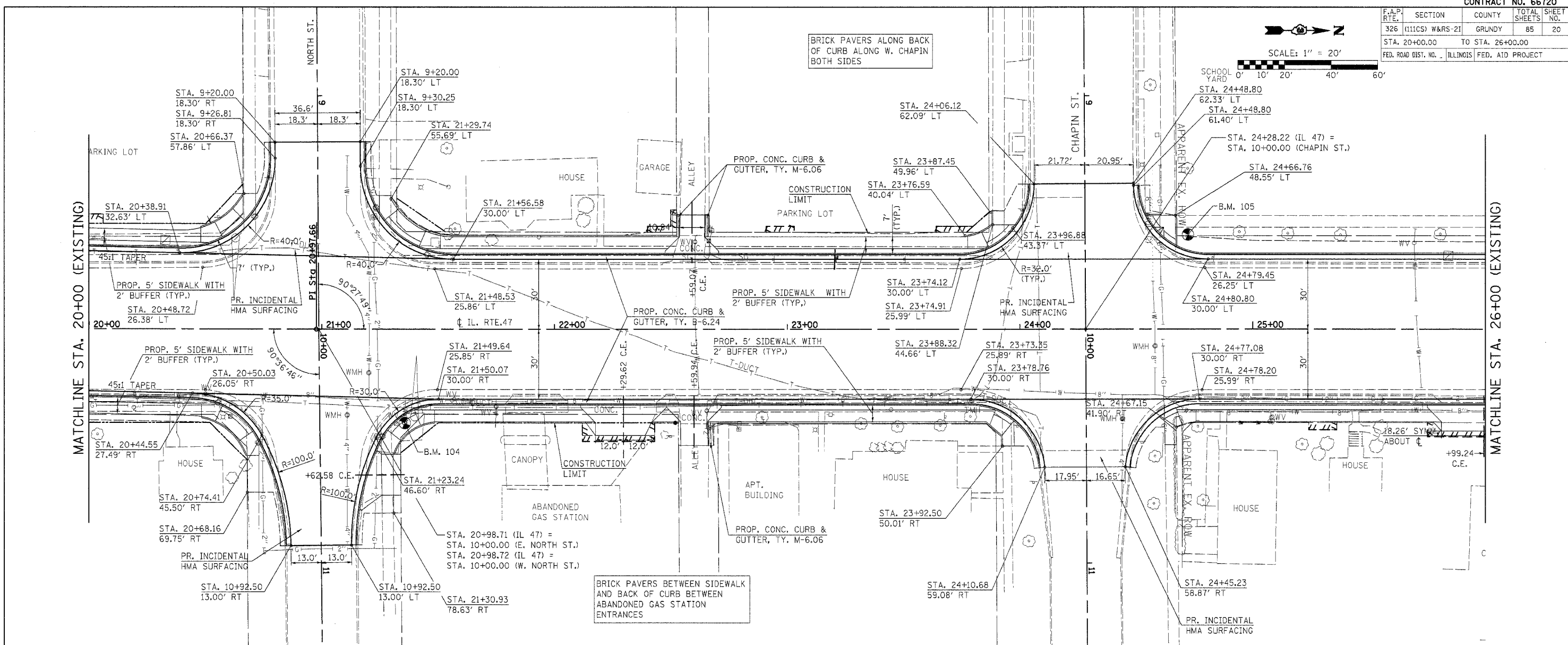
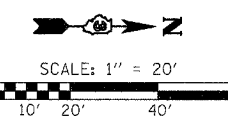
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 USER NAME = schwanberg



STATION	ELEVATION	STATION	ELEVATION
14+00	523.30	18+00	525.76
14+50	523.53	18+50	525.85
15+00	523.78	19+00	526.04
15+50	524.09	19+50	526.13
16+00	524.30	20+00	526.28
16+50	524.52		526.36
17+00	524.73		
17+50	524.94		
18+00	525.06		
18+50	525.17		
19+00	525.24		
19+50	525.35		
20+00	525.47		

IL ROUTE 47 - PLAN & PROFILE SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C5) W&RS-21	GRUNDY	85	20
STA. 20+00.00		TO STA. 26+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT



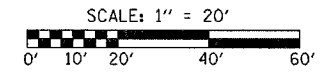
DATE	BY
DATE	BY

DATE	BY
DATE	BY

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IL ROUTE 47 - PLAN & PROFILE SHEETS

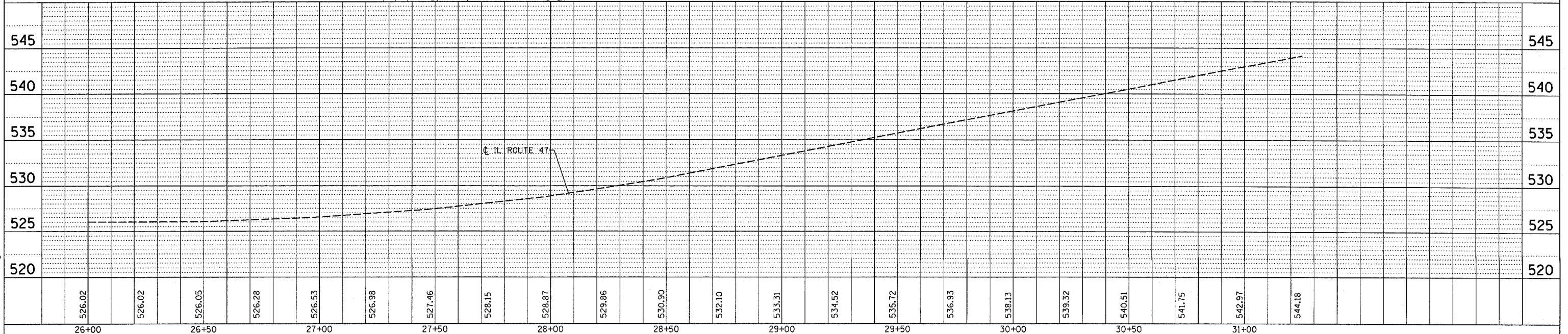
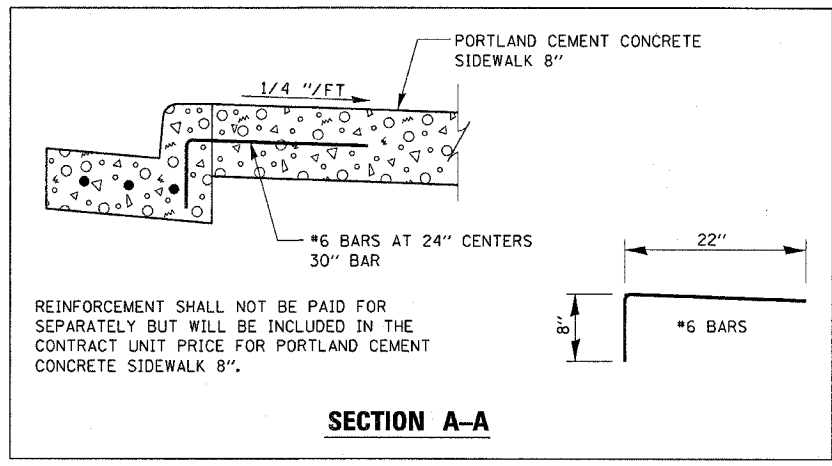
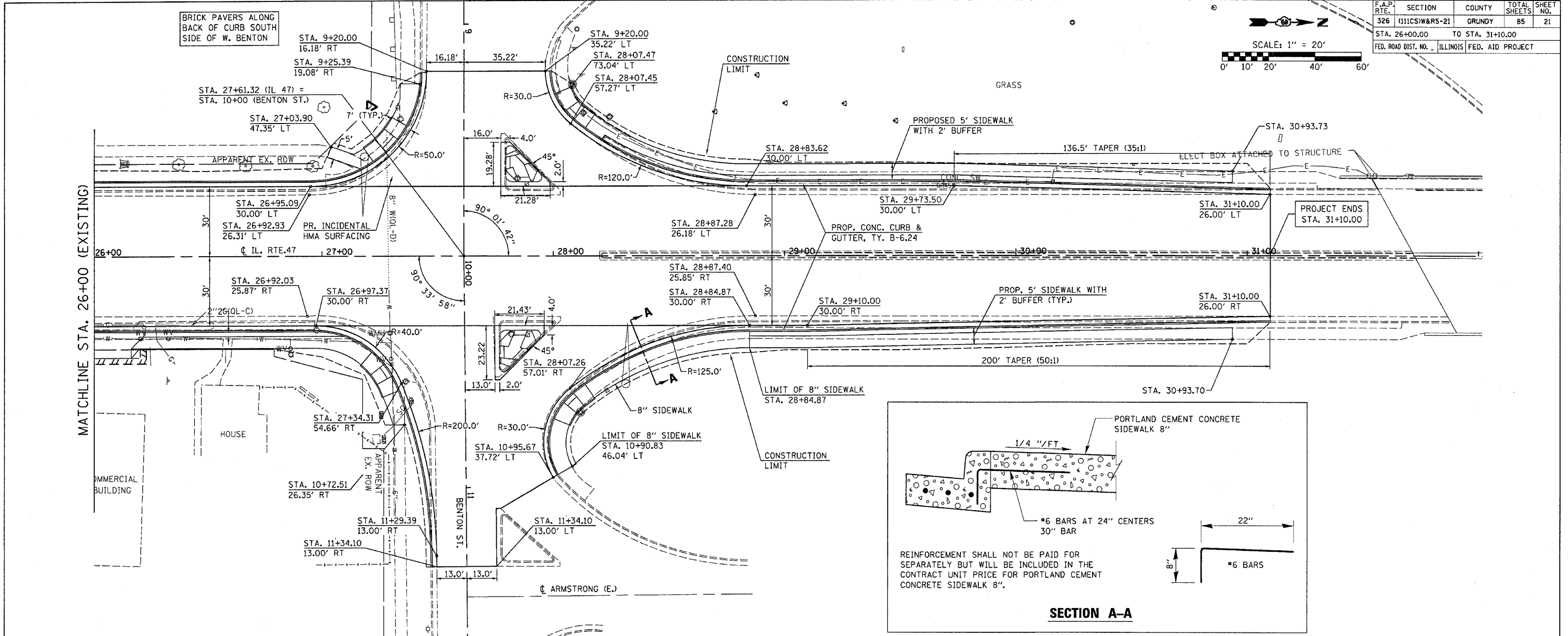
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-21	GRUNDY	85	21
STA. 26+00.00 TO STA. 31+10.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

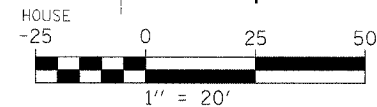
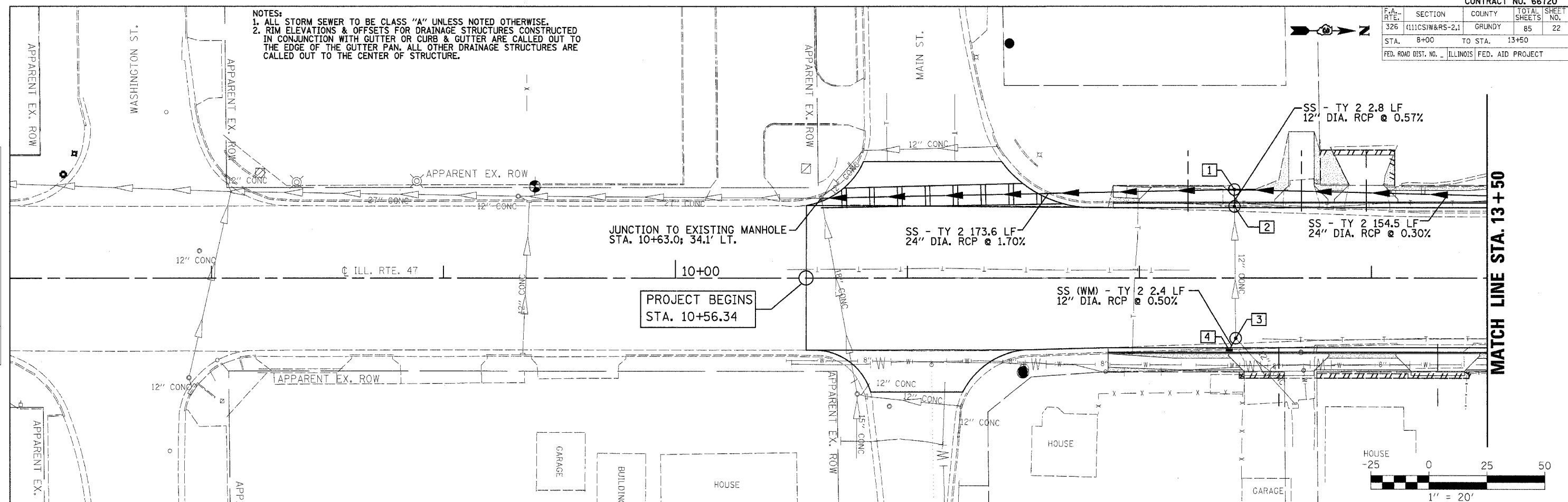
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	CHECKED	
	BY	
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 USER NAME = schwenker3



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.



STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	
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						

517.58	517.95	518.32	518.93	519.58	520.17	520.75	521.27	521.79	522.25	522.71
11+00	11+50	12+00	12+50	13+00	13+50					

IL ROUTE 47 - DRAINAGE & EROSION CONTROL PLANS

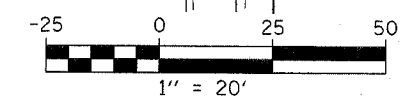
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PROFILE
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 DATE: _____

DATE-TIME
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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		

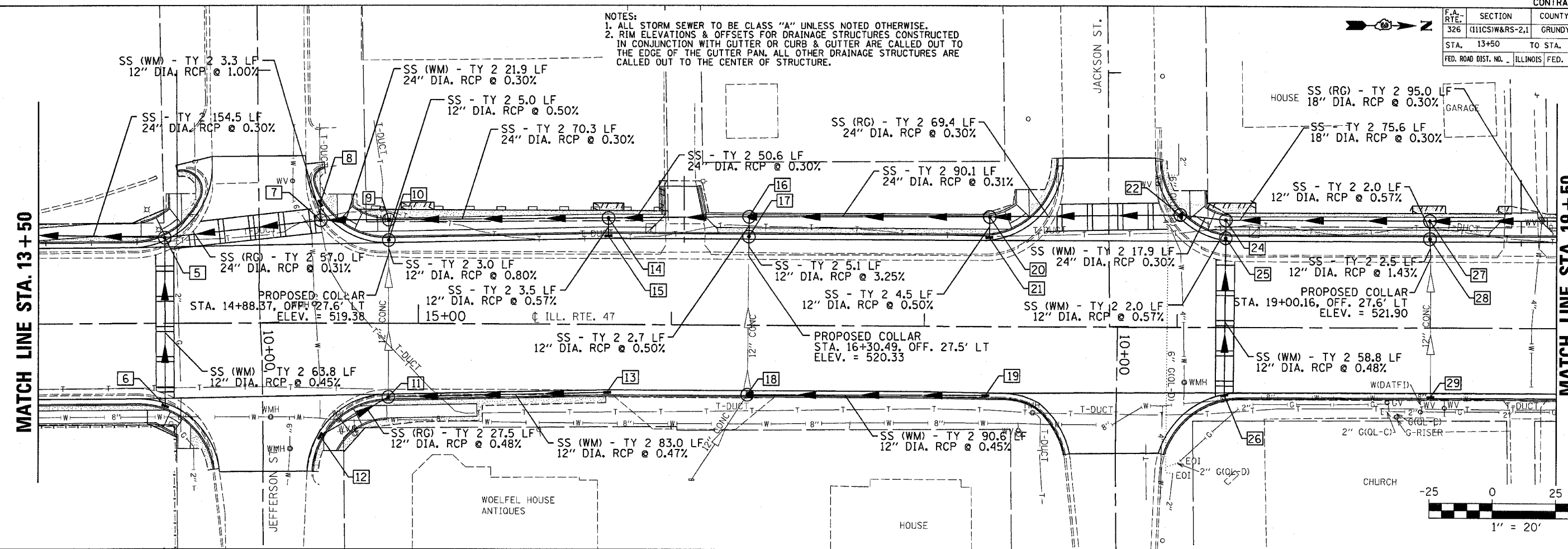
NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.



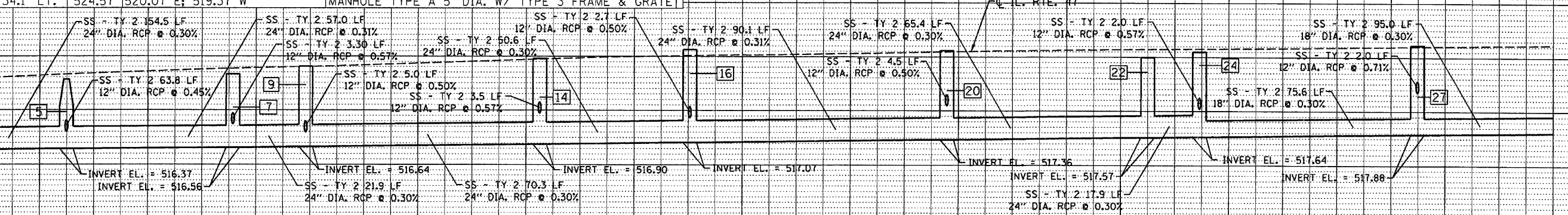
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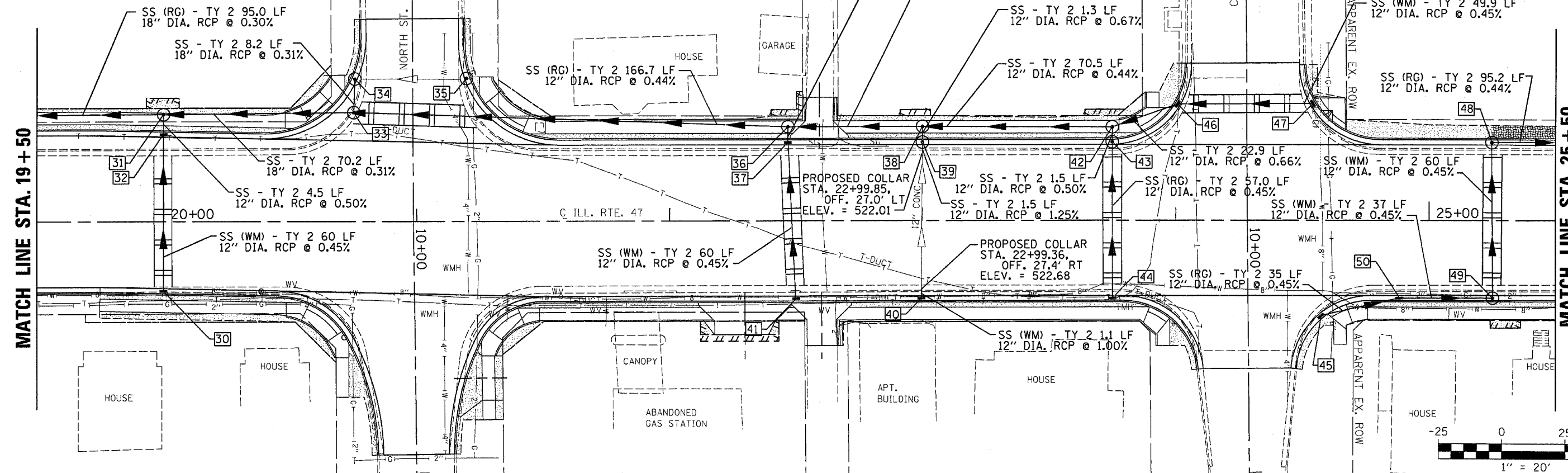


STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
545	5	14+00.0	32.9' LT.	522.80	516.37 N; 516.37 S; 518.03 E	545	18	16+30.2	26.0' RT.	524.69	522.19 N; 522.19 W; 522.36 SE
	6	14+00.0	31.6' RT.	522.83	518.33 W		19	17+24.4	26.5' RT.	525.02	522.61 S
	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
	8	14+60.4	47.1' LT.	522.99	518.75 E		21	17+25.5	34.2' LT.	525.02	520.51 W
540	9	14+88.4	41.0' LT.	524.04	516.64 N; 516.64 S; 517.96 E	540	22	18+01.2	44.3' LT.	524.98	517.57 N; 517.57 S
	10	14+88.4	32.0' LT.	523.56	519.34 E; 518.00 W		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
535	12	14+61.2	43.7' RT.	523.15	520.10 NW	535	25	18+19.0	34.4' LT.	525.31	520.25 E; 520.25 W
	13	15+74.6	26.0' RT.	524.34	520.35 S		26	18+18.7	26.6' RT.	525.31	520.55 W
	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
530	15	15+75.2	34.1' LT.	524.22	519.77 W	530	28	18+99.8	34.0' LT.	525.59	521.80 E; 521.80 W
	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
	17	16+30.5	34.1' LT.	524.57	520.07 E; 519.37 W						

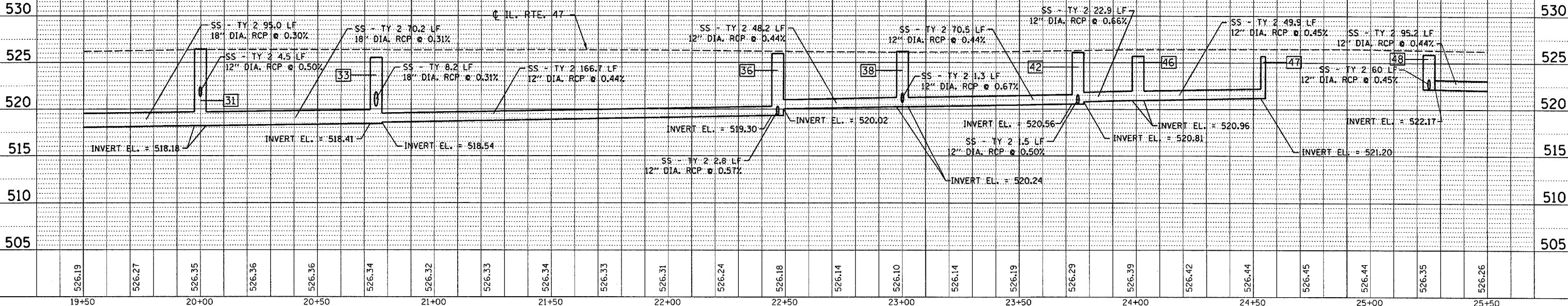


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111)CSW&RS-2.1	GRUNDY	85	24
STA.	TO STA.			
19+50	25+50			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

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	INLET TYPE A W/ TYPE 3 FRAME & GRATE	41	22+50.0	30.0' RT.	525.73	519.71 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	31	20+00.0 42.6' LT.	526.41	518.18 N; 518.18 S; 521.36 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	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	INLET TYPE B W/ TYPE 3 FRAME & GRATE	43	23+75.0	30.0' LT.	525.84	520.60 N; 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	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	44	23+75.0	30.0' RT.	525.84	520.88 W; 520.88 NE	INLET TYPE B W/ TYPE 3 FRAME & GRATE
540	34	20+75.4 55.1' LT.	525.19	521.27 N; 520.33 E	MANHOLE TYPE A 6' DIA. W/ TYPE 3 FRAME & GRATE	45	24+54.0	39.8' RT.	525.89	523.01 N	INLET TYPE A W/ TYPE 3 FRAME & GRATE
	35	21+20.0 56.2' LT.	525.08	521.95 S	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE	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	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	47	24+54.1	46.4' LT.	525.68	521.20 S	INLET TYPE A W/ TYPE 3 FRAME & GRATE
535	37	22+46.7 30.0' LT.	525.73	519.34 W; 519.44 E	INLET TYPE B W/ TYPE 3 FRAME & GRATE	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
	38	23+00.0 37.3' LT.	526.18	520.24 N; 520.24 S; 520.70 E	MANHOLE TYPE A 5' DIA. W/ TYPE 1 FRAME CL	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
	39	23+00.0 30.0' LT.	525.65	521.96 E; 520.74 W	MANHOLE TYPE A 5' DIA. W/ TYPE 3 FRAME & GRATE	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	INLET TYPE B W/ TYPE 3 FRAME & GRATE							



DATE	BY
REVISION	DATE
PLAN	NO.
PROFILE	NO.

DATE	BY
REVISION	DATE
PLAN	NO.
PROFILE	NO.

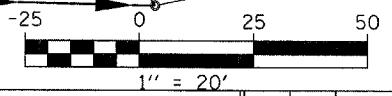
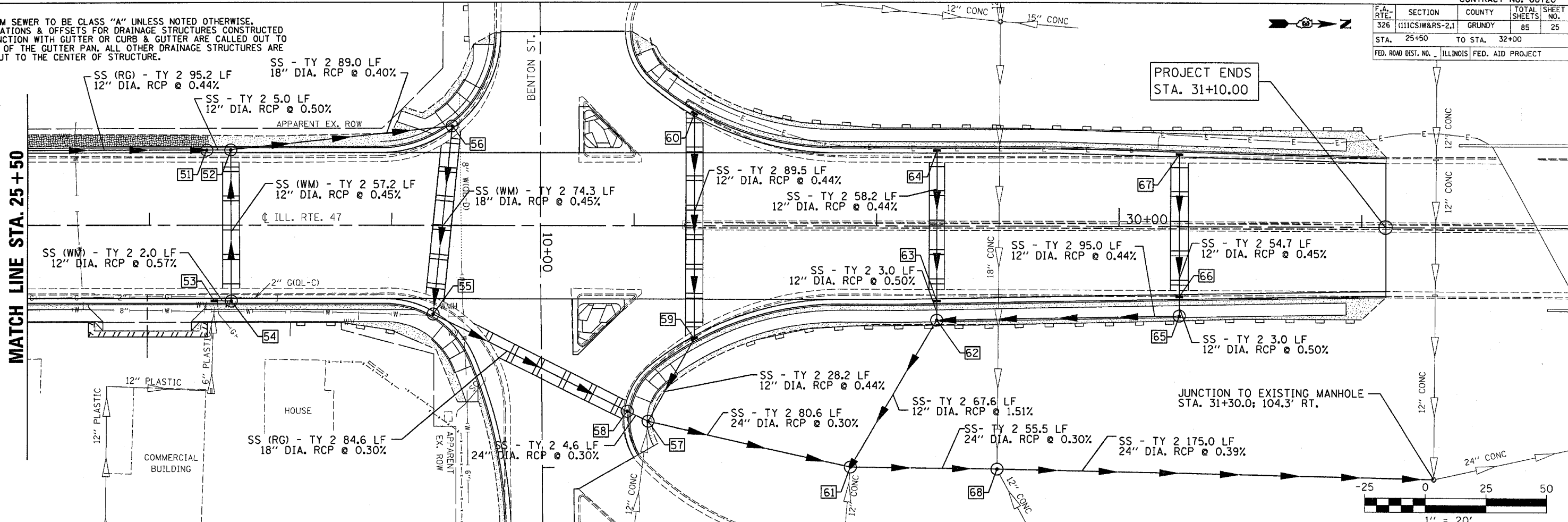
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(11)CSW&RS-2.1	GRUNDY	85	25
STA.	TO STA.			
25+50	32+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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



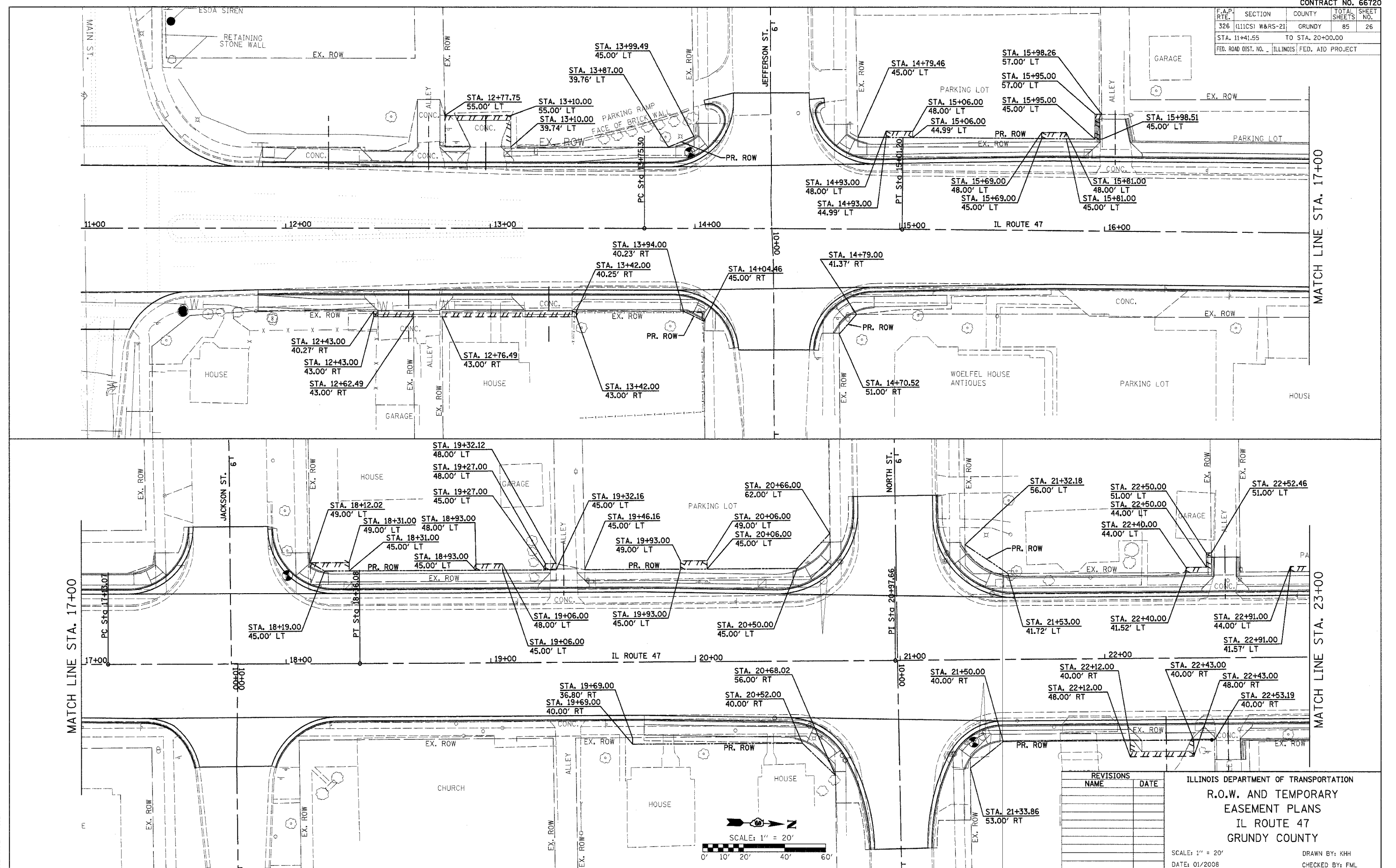
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550	51	26+23.6	30.0' LT.	525.57	521.73 N; 521.73 S	550	65	30+24.9	36.7' RT.	539.17	531.52 S; 535.57 W	
	52	26+33.6	30.0' LT.	525.57	521.68 S; 521.68 E; 521.60 N		66	30+25.0	27.7' RT.	538.87	535.61 E; 535.61 W	
	53	26+26.9	30.0' RT.	525.57	522.04 N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

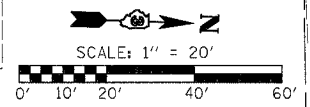


MATCH LINE STA. 17+00

MATCH LINE STA. 17+00

MATCH LINE STA. 23+00

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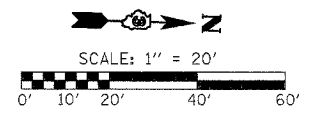
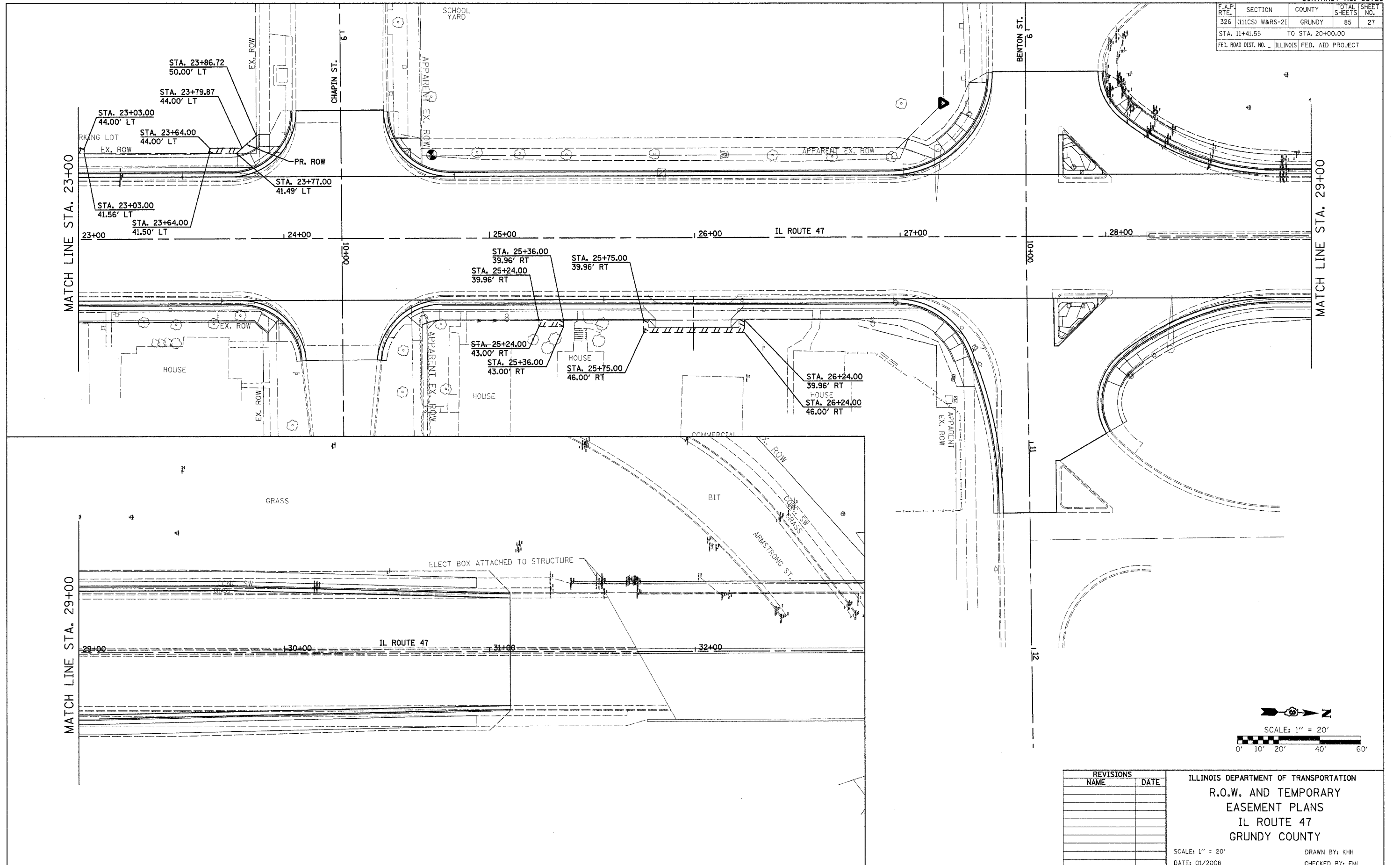


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 R.O.W. AND TEMPORARY
 EASEMENT PLANS
 IL ROUTE 47
 GRUNDY COUNTY
 SCALE: 1" = 20'
 DATE: 01/2008
 DRAWN BY: KHH
 CHECKED BY: FML

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	27
STA. 11+41.55		TO STA. 20+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

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

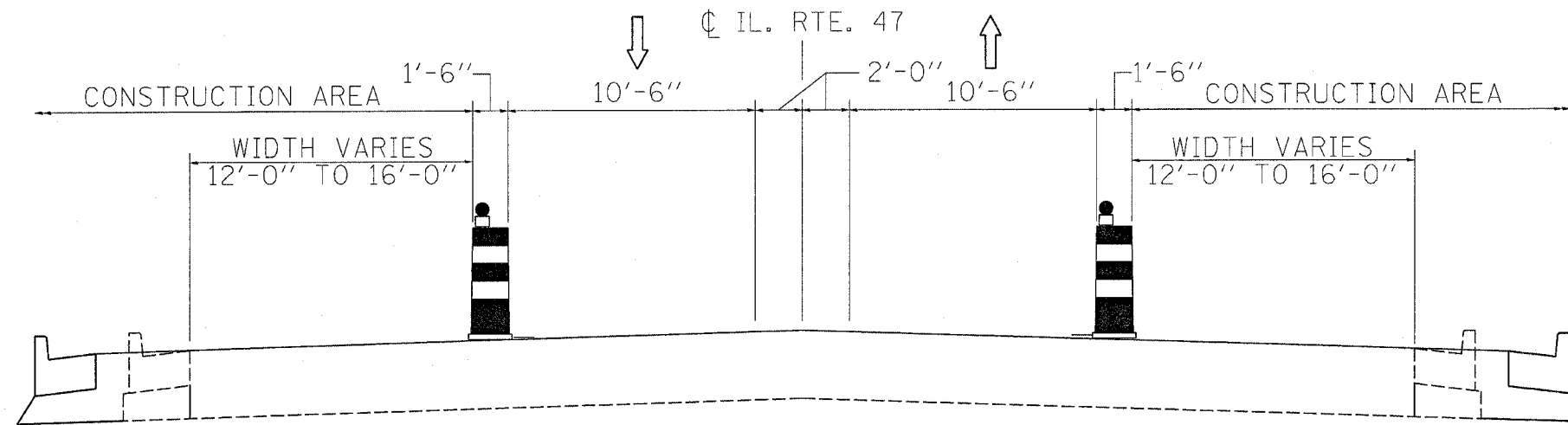
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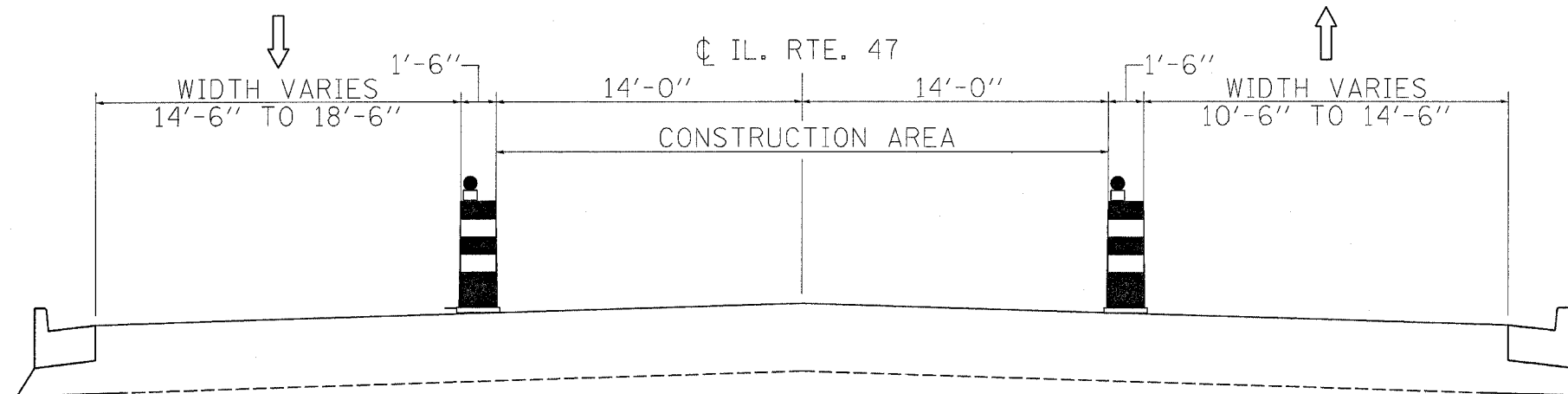
IL ROUTE 47 - R.O.W. & TEMPORARY EASEMENT PLANS

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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

SCALE: NTS
DATE: 08/2007

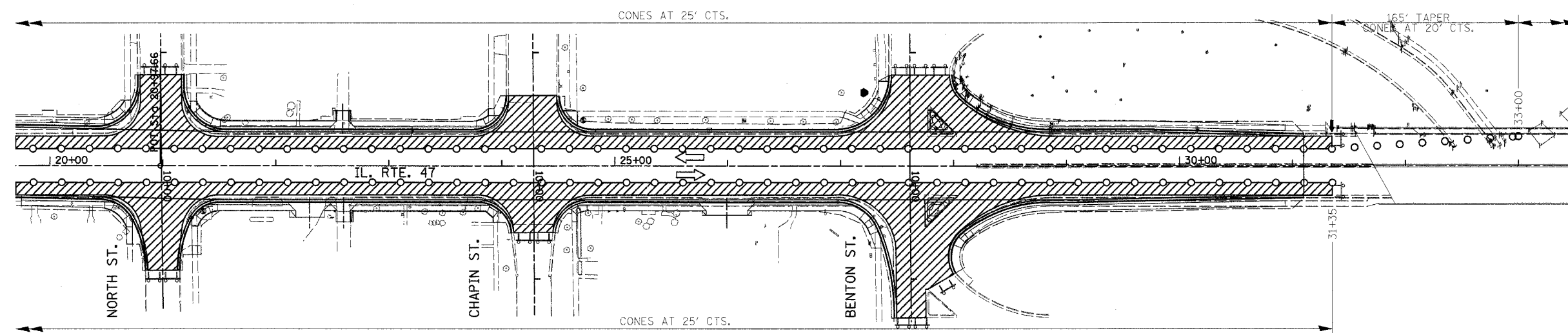
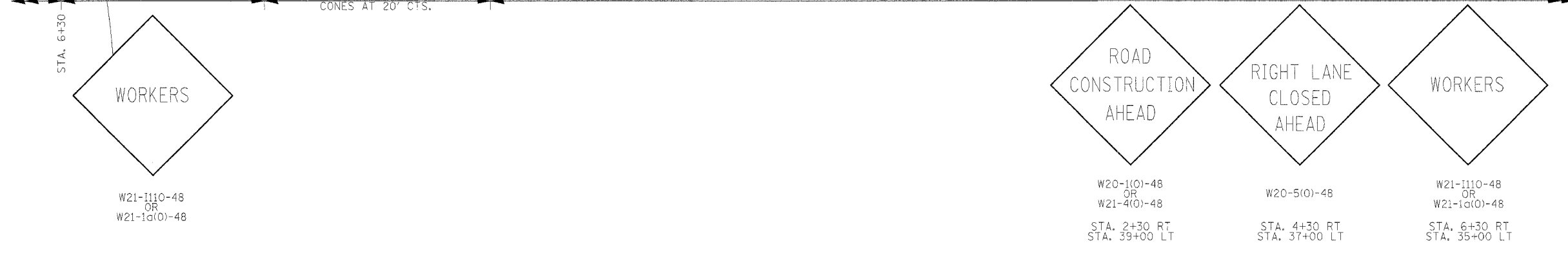
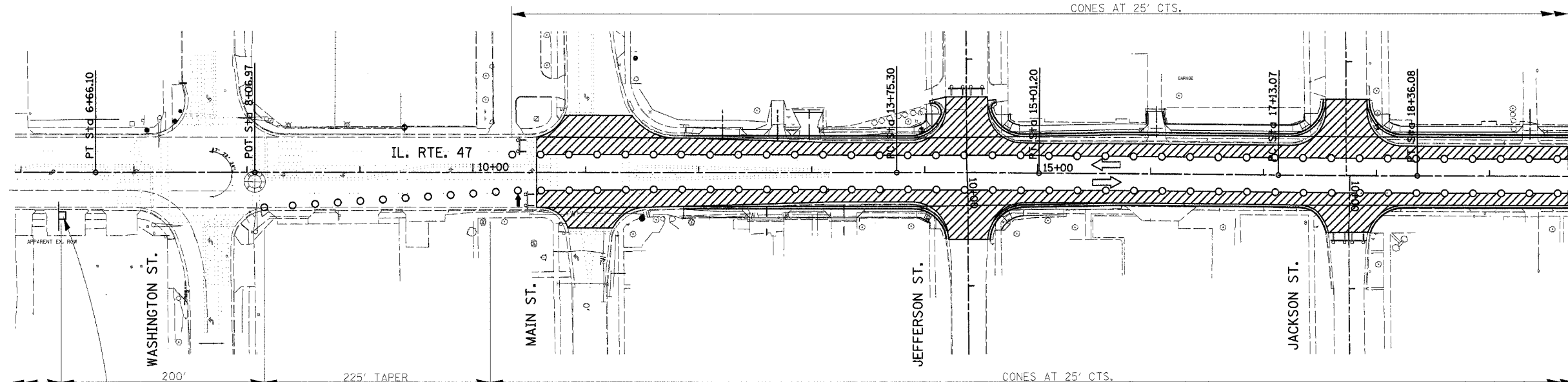
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IL ROUTE 47 - STAGING PLANS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	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
 DATE: 08/2007

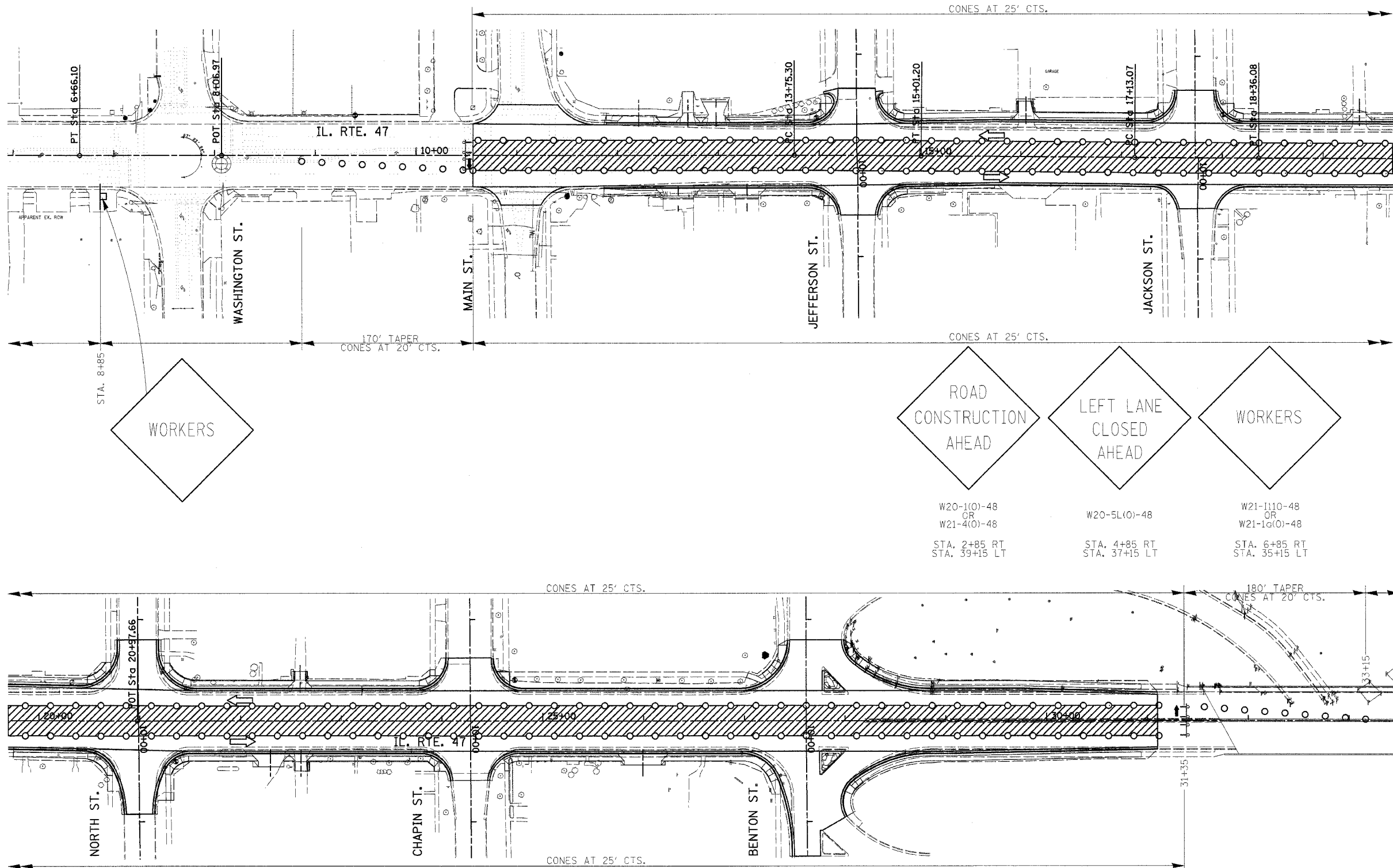
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 CHECKED BY: FML

NOTE:
 FOR DETAILS NOT SHOWN SEE STANDARD 701602-2

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	30
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

STAGE 2



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 2 PLAN
IL ROUTE 47
GRUNDY COUNTY

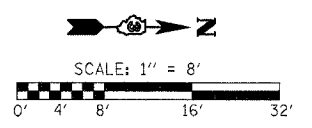
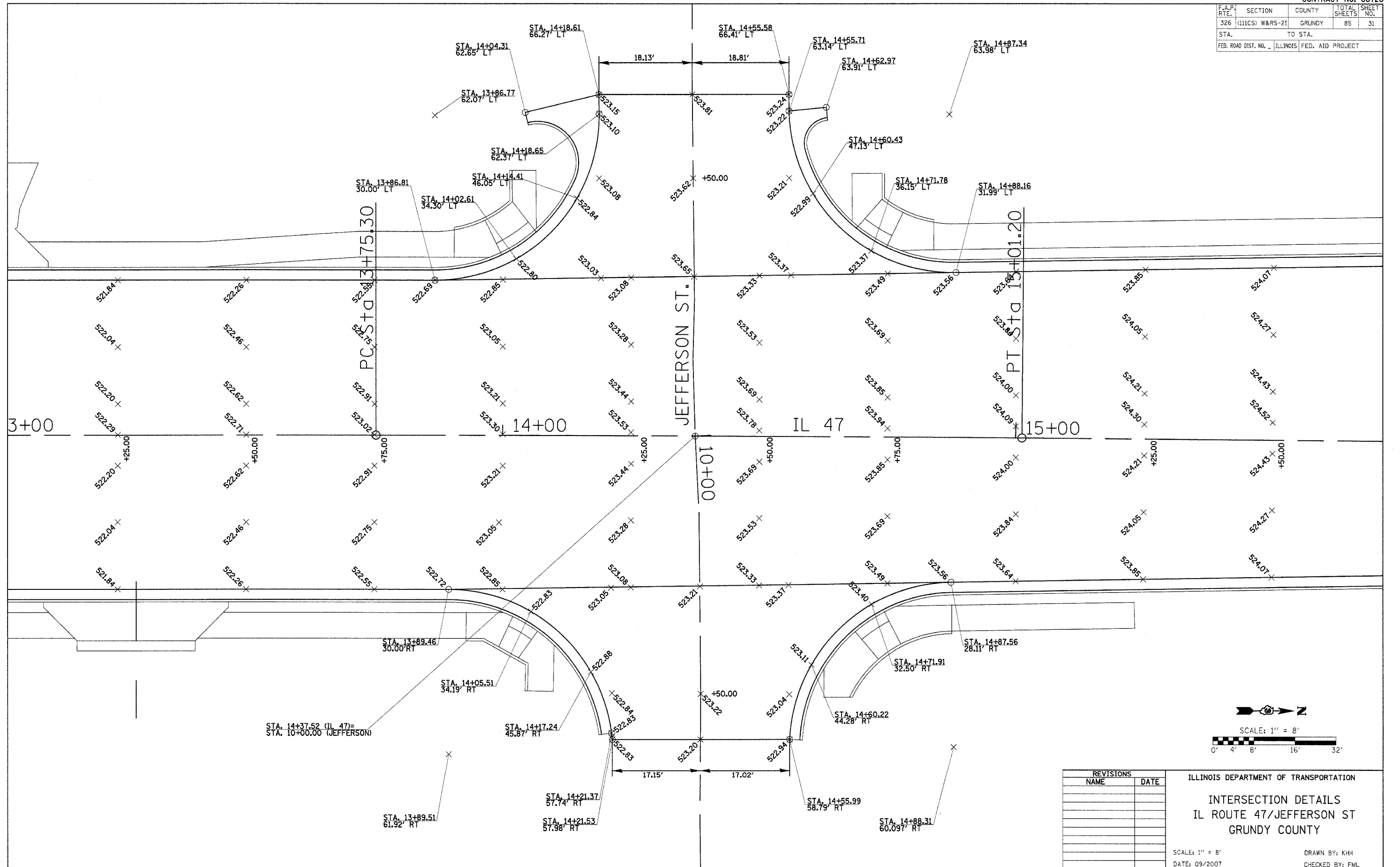
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DRAWN BY: KHH
 CHECKED BY: FML

NOTE: FOR DETAILS NOT SHOWN SEE STANDARD 701602-2

PLT DATE = 08/2007
 DATE = 08/2007
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = BUSBERG

F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326 (111CS) W&RS-2I	GRUNDY	85	31
STA. TO STA.		ILLINOIS FED. AID PROJECT	



REVISIONS	
NAME	DATE

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

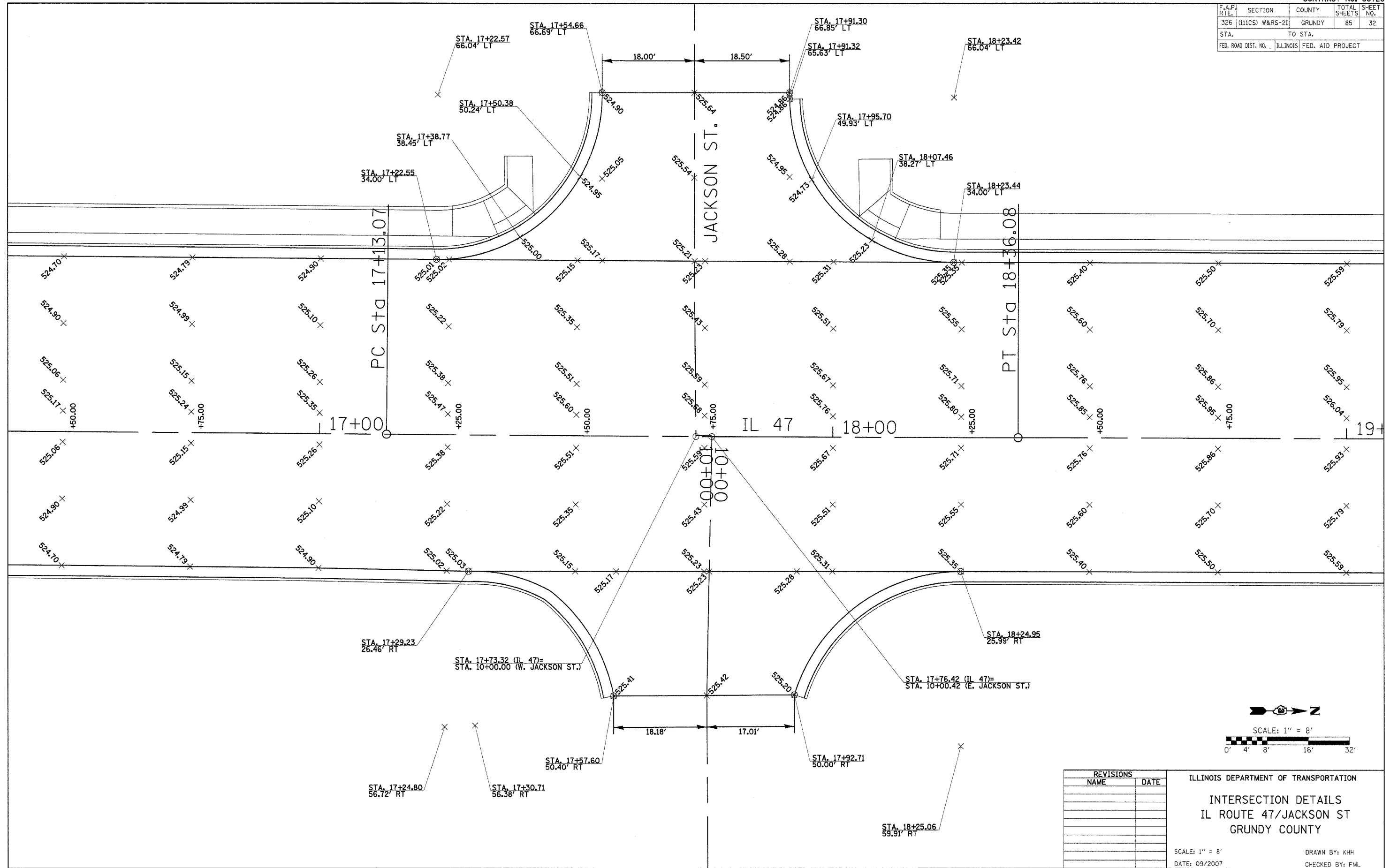
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 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & JEFFERSON ST.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	32
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL ROUTE 47/JACKSON ST
GRUNDY COUNTY

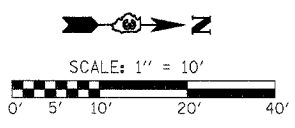
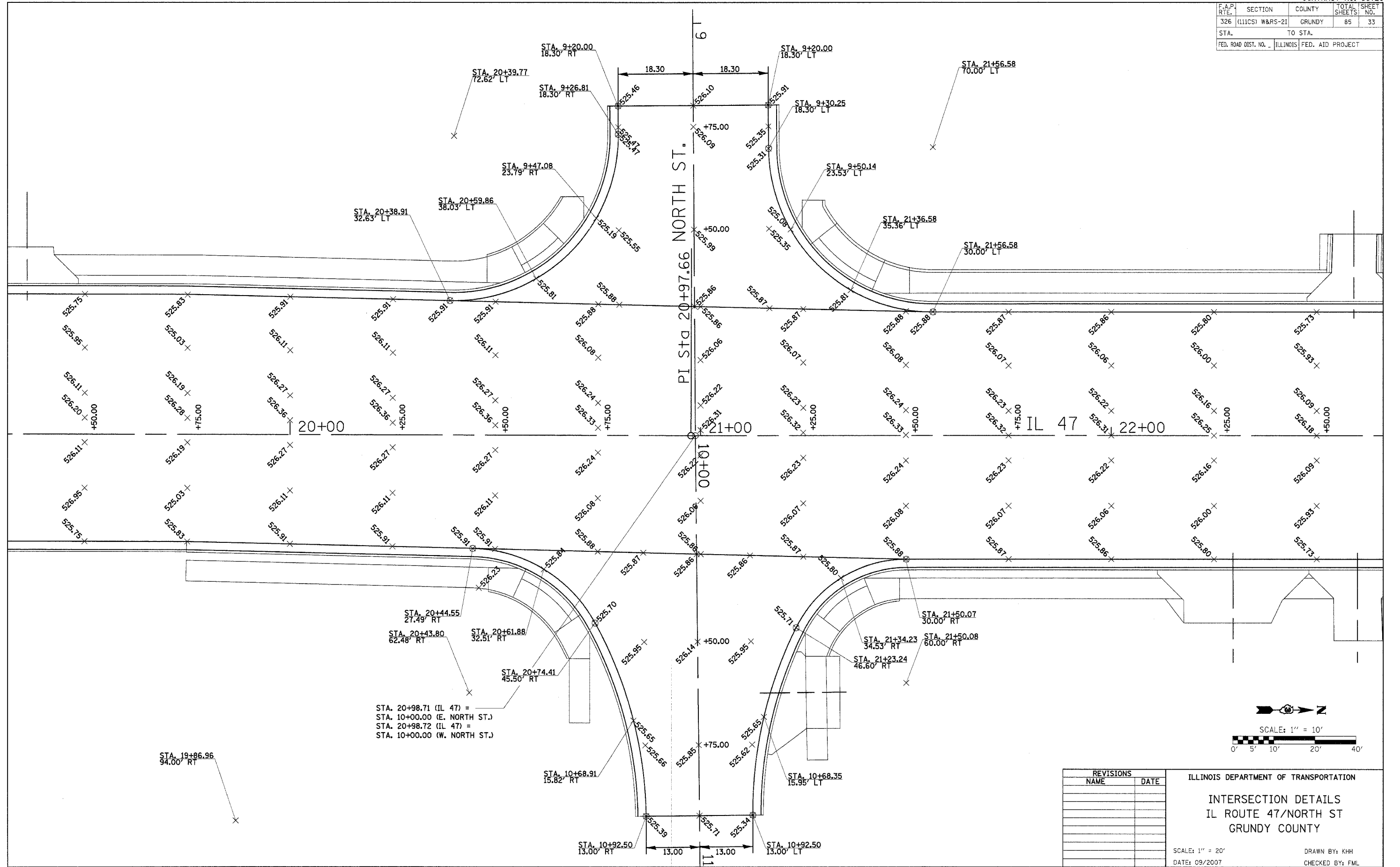
SCALE: 1" = 8'
 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & JACKSON ST.

PLT DATE = 08/15/07
 PLOT DATE = 08/15/07
 PLOT SCALE = 8/32
 USER NAME = MUSER

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		



REVISIONS	
NAME	DATE

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

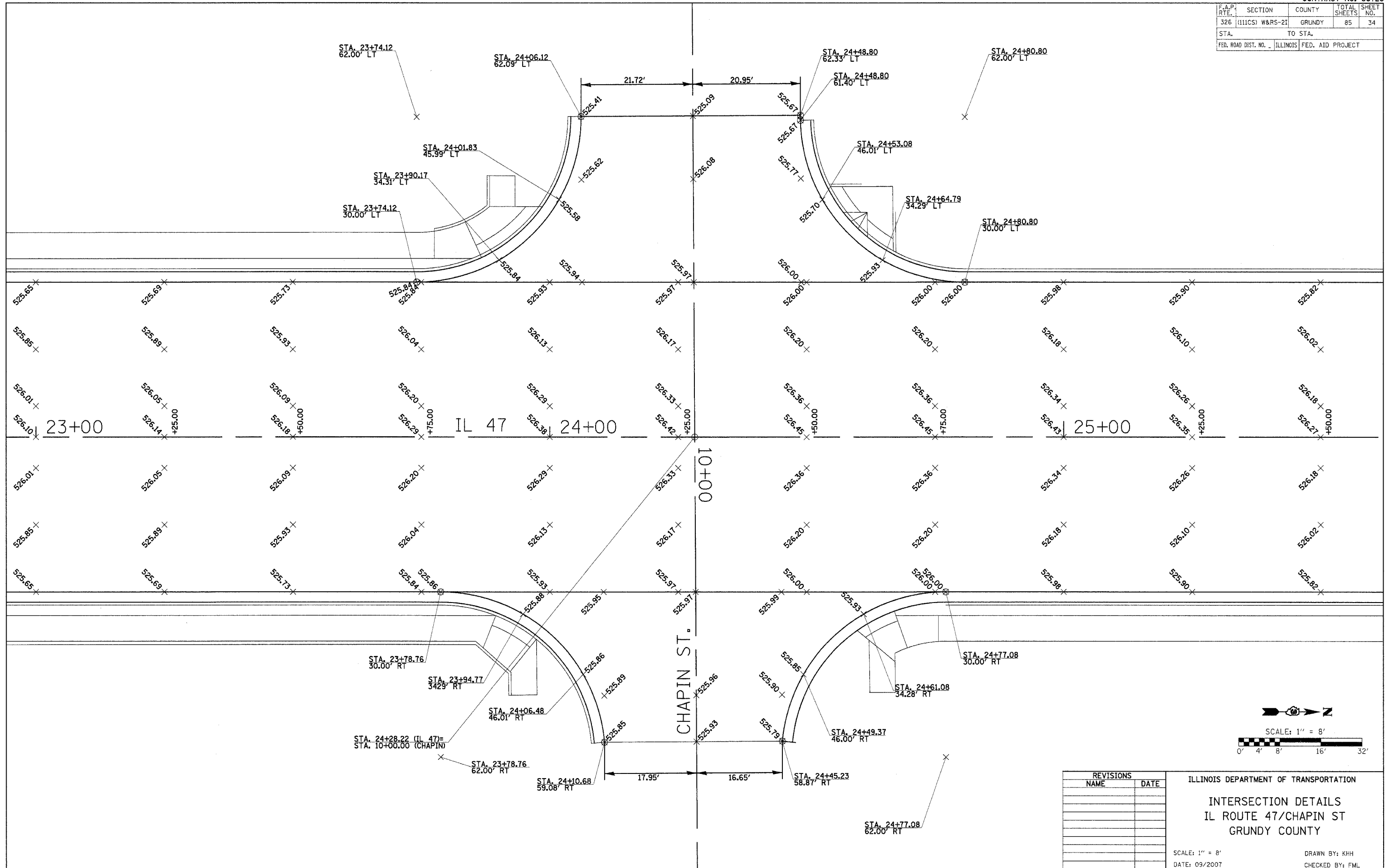
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 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & NORTH ST.

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 USER NAME = KHH

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



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REVISIONS	
NAME	DATE

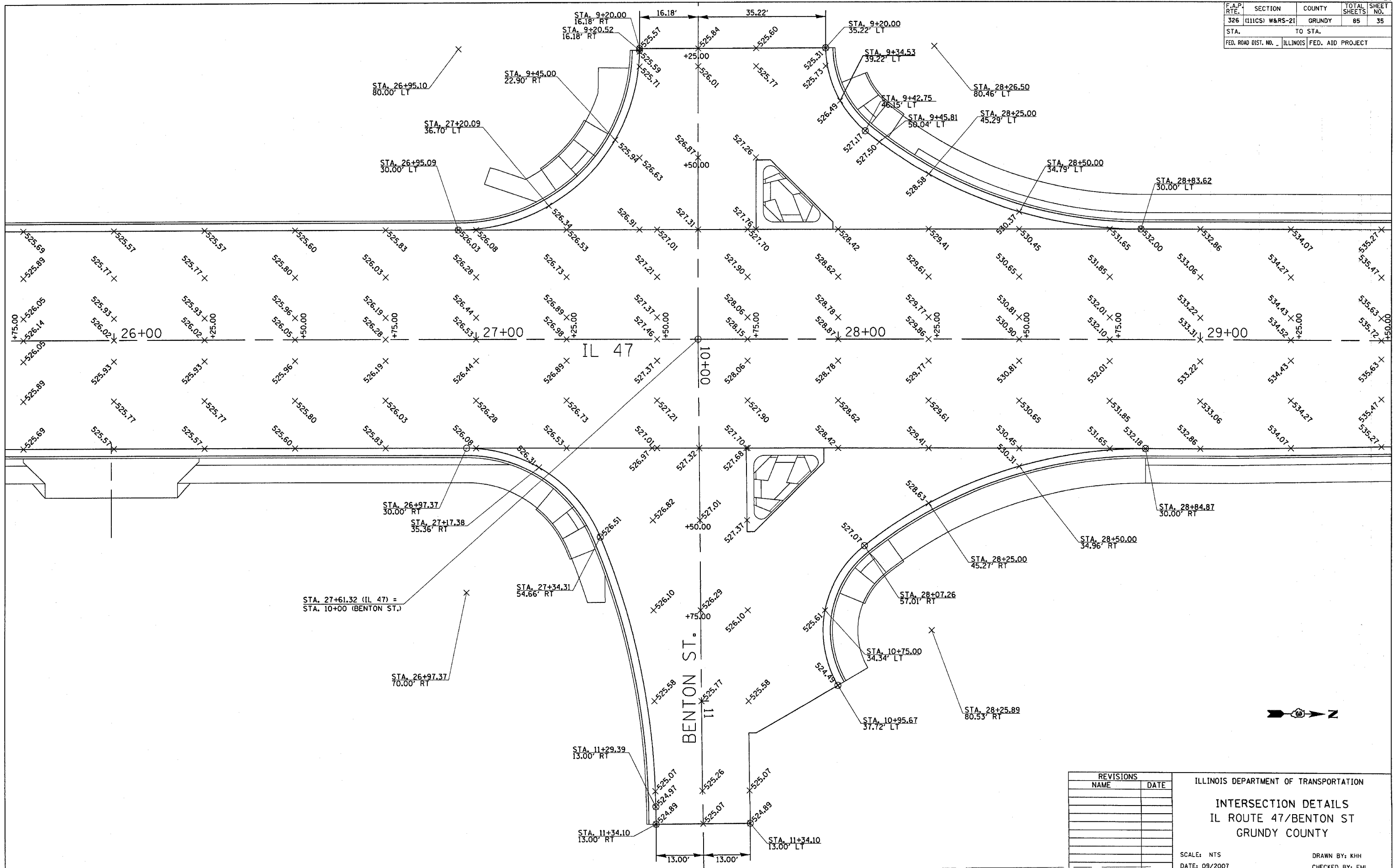
ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 IL ROUTE 47/CHAPIN ST
 GRUNDY COUNTY

SCALE: 1" = 8'
 DATE: 09/2007

DRAWN BY: KHH
 CHECKED BY: FML

INTERSECTION DETAILS - IL ROUTE 47 & CHAPIN ST.

F.A.P. 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			



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REVISIONS	
NAME	DATE

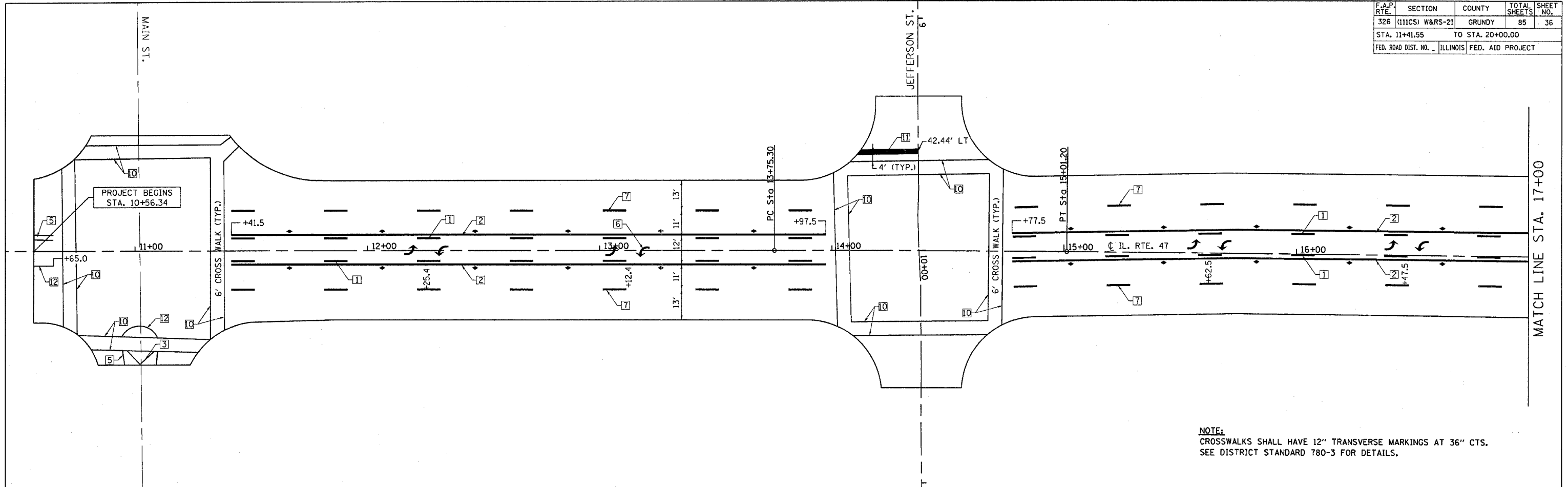
ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
 IL ROUTE 47/BENTON ST
 GRUNDY COUNTY

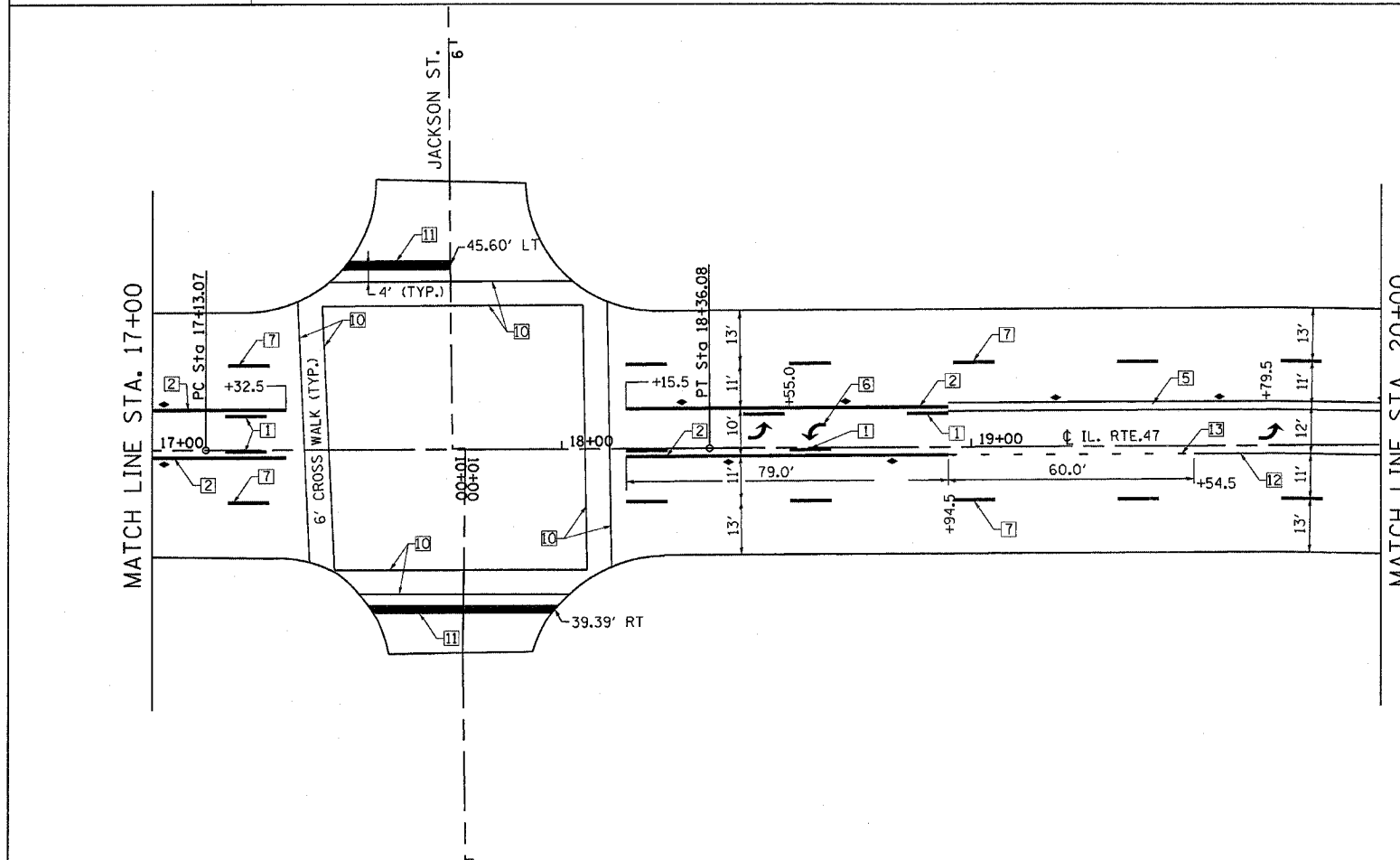
SCALE: NTS
 DATE: 09/20/07

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. 1		ILLINOIS FED. AID PROJECT		



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

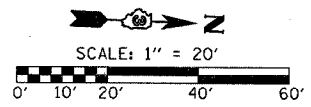


TYPICAL PAVEMENT MARKING LEGEND

- | | | |
|--------------------------------|--|-------------------------------|
| 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 05, 2008 - 08:43:38 AM
PLOT SCALE = 20.000
USER NAME = schwanberg

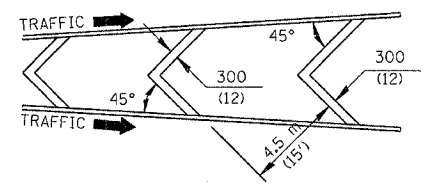
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	37
STA. 20+00.00 TO STA. 26+00.00				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

TYPICAL PAVEMENT MARKING LEGEND

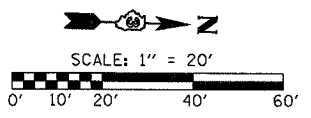
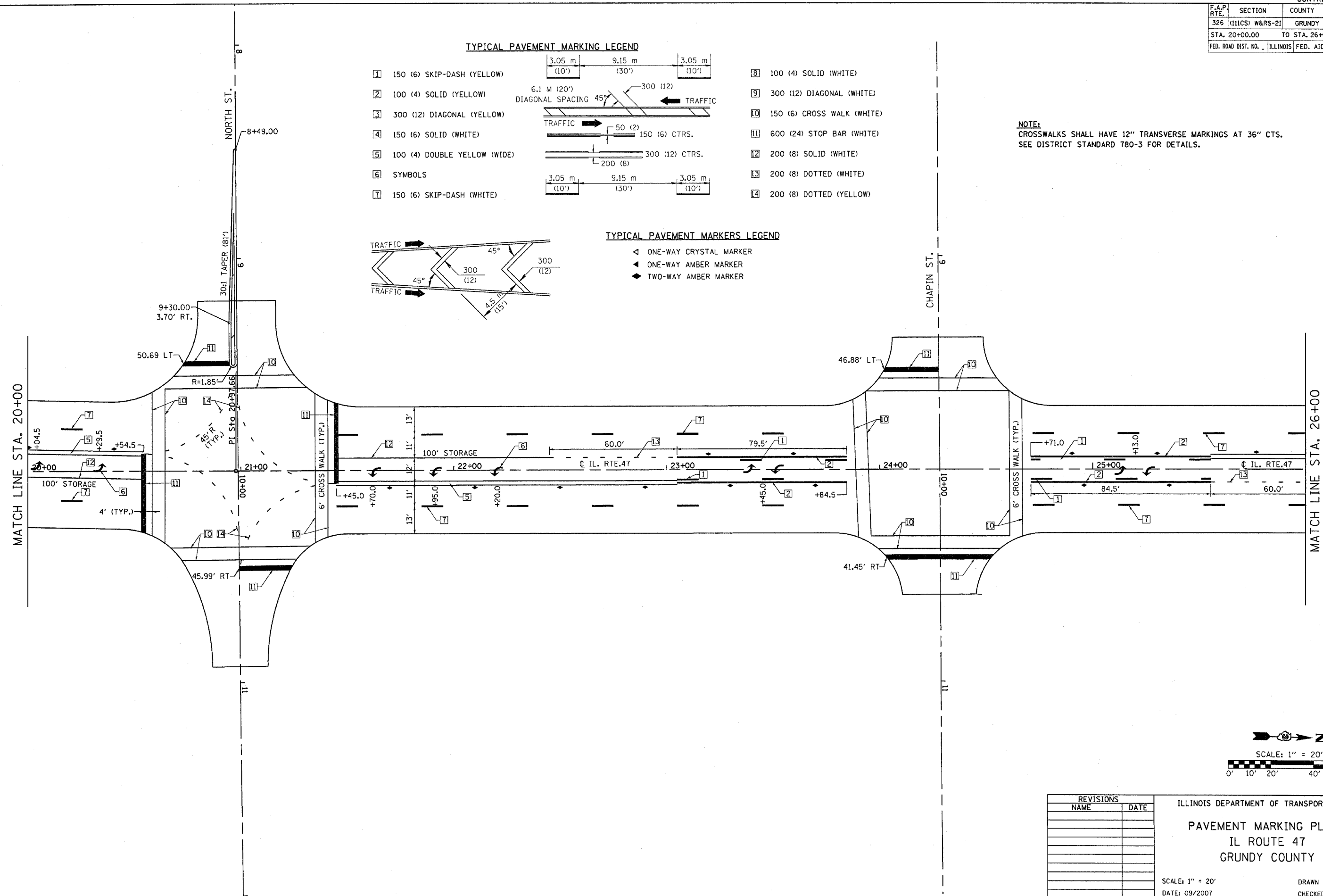
- | | | |
|--------------------------------|--|-------------------------------|
| 1 150 (6) SKIP-DASH (YELLOW) | | 8 100 (4) SOLID (WHITE) |
| 2 100 (4) SOLID (YELLOW) | | 9 300 (12) DIAGONAL (WHITE) |
| 3 300 (12) DIAGONAL (YELLOW) | | 10 150 (6) CROSS WALK (WHITE) |
| 4 150 (6) SOLID (WHITE) | | 11 600 (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



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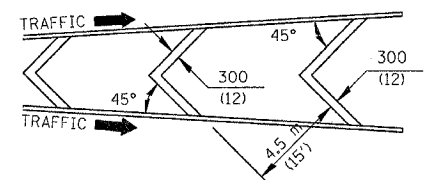
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	38
STA. 26+00.00		TO STA. 31+10.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKING LEGEND

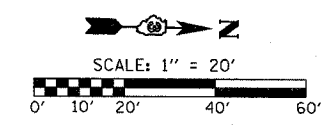
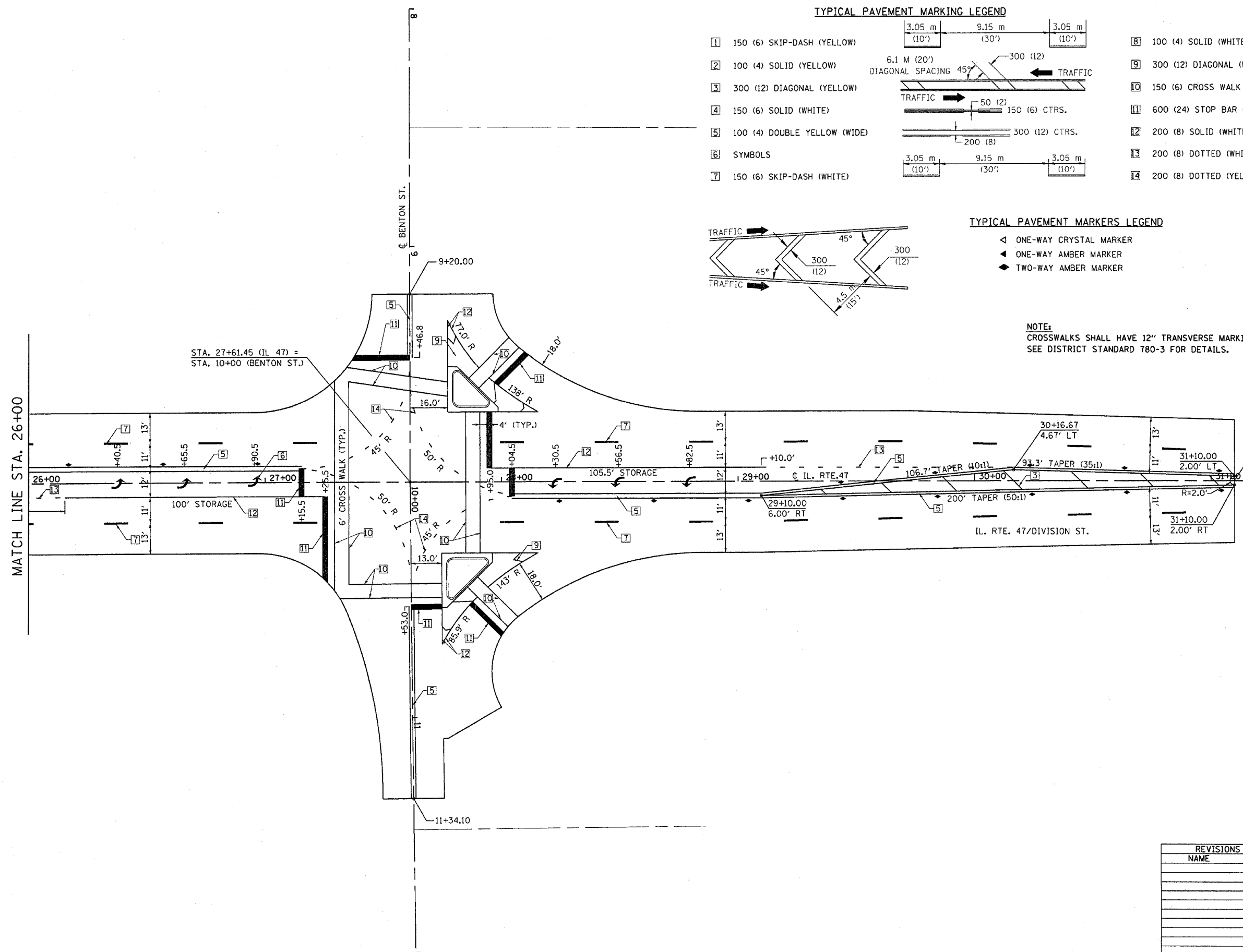
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|--------------------------------|--|-------------------------------|
| 1 150 (6) SKIP-DASH (YELLOW) | | 8 100 (4) SOLID (WHITE) |
| 2 100 (4) SOLID (YELLOW) | | 9 300 (12) DIAGONAL (WHITE) |
| 3 300 (12) DIAGONAL (YELLOW) | | 10 150 (6) CROSS WALK (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



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 09, 2008 - 08:44:08 AM
PLOT SCALE = 1" = 20'
PLOT USER = fml
USER NAME = schwenker

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	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

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

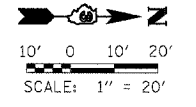
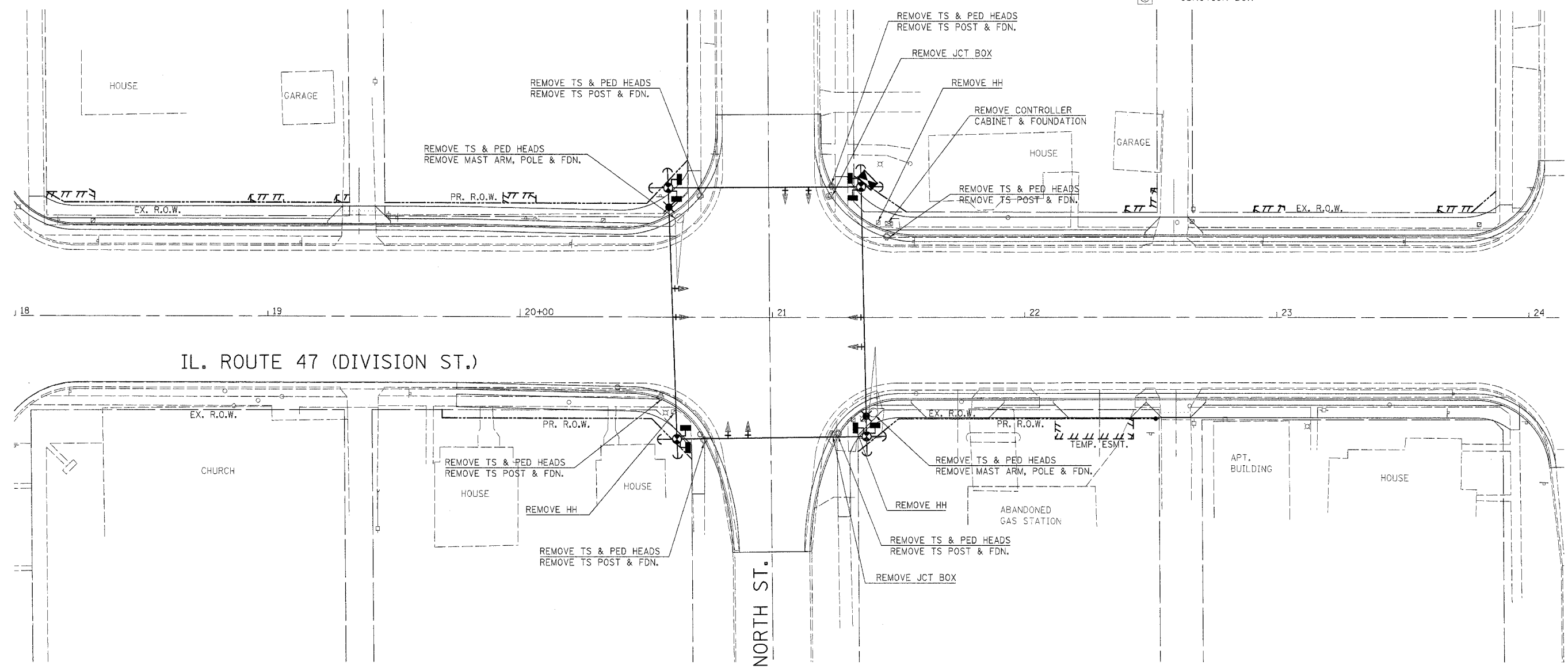
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	40
STA. 18+00		TO STA. 24+10		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NUMBER: 66720				

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
- 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

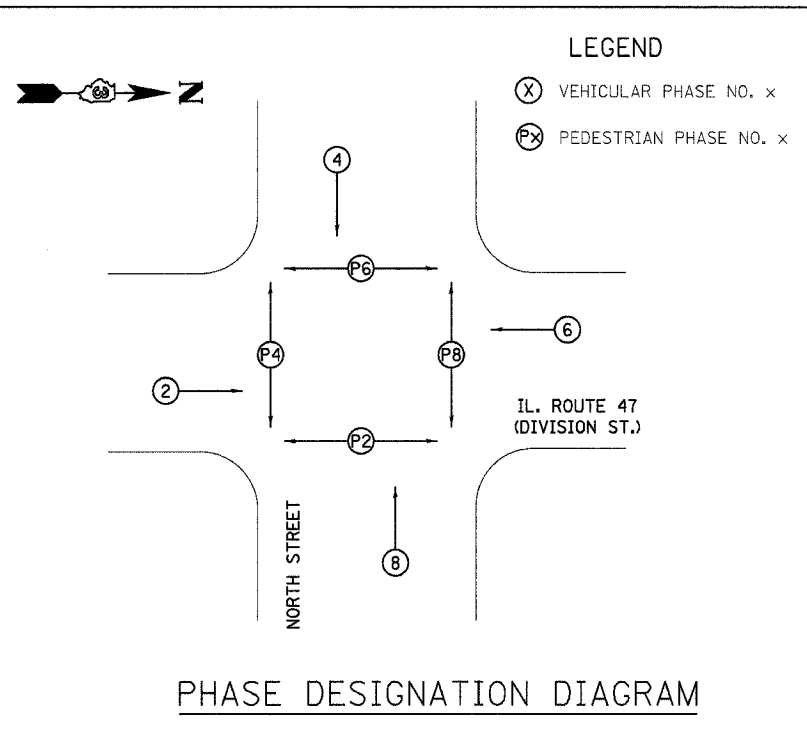
ILLINOIS DEPARTMENT OF TRANSPORTATION
**TEMP. SIGNAL INSTALLATION
 REMOVE EX. TRAFFIC EQUIPMENT
 IL. 47 (DIVISION ST.) /
 NORTH STREET**

SCALE: 1"=20'
 DATE: JANUARY 2008

DRAWN BY: JVR
 CHECKED BY: FML

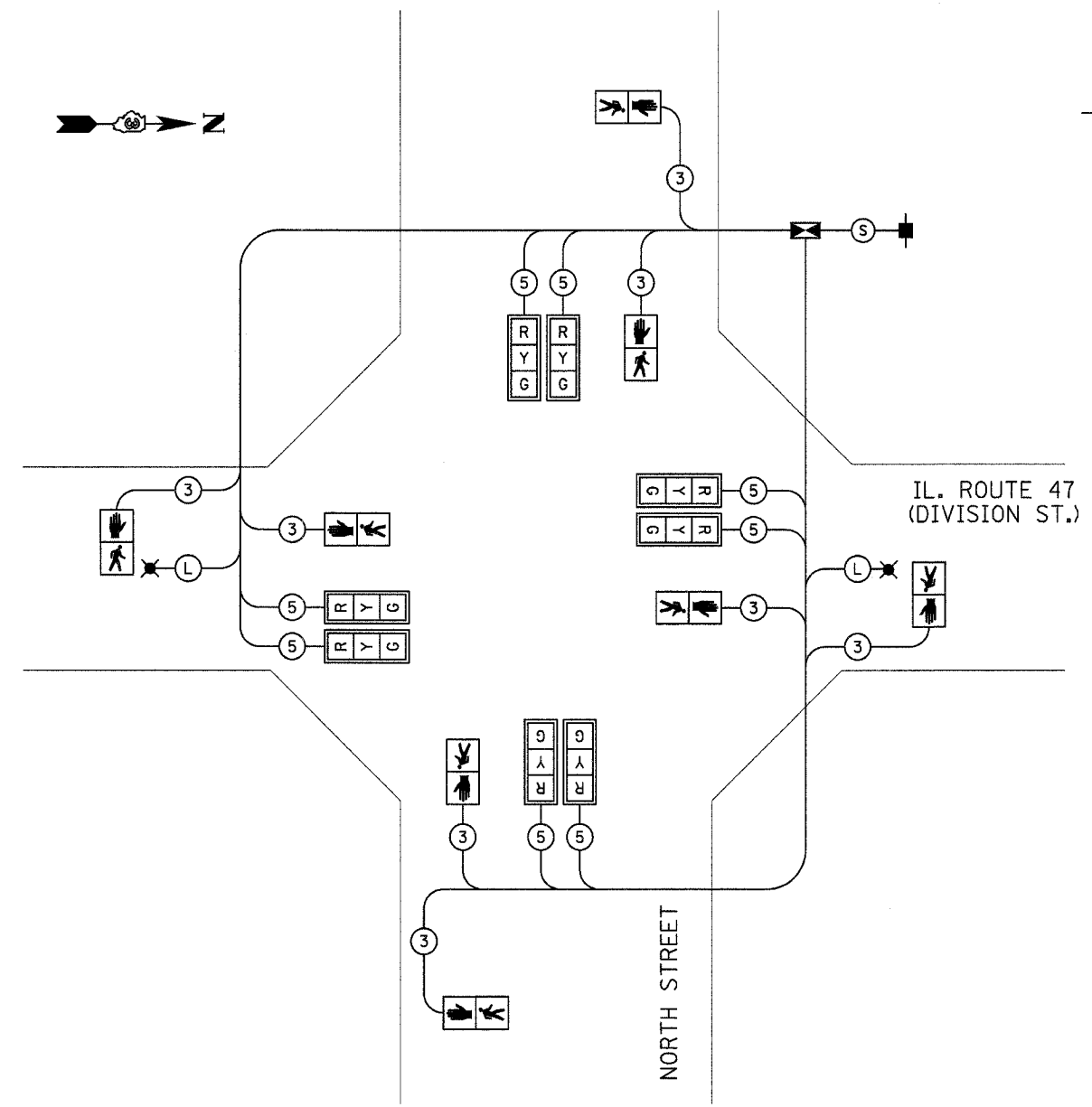
TRAFFIC SIGNAL PLANS - IL ROUTE 47 & NORTH ST.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	41
STA. 18+00		TO STA. 24+10		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				



TEMPORARY CABLE DIAGRAM LEGEND

- ☒ TEMPORARY CONTROLLER
- TEMPORARY SERVICE INSTALLATION
- ⎓ (R, Y, G) TEMPORARY TRAFFIC SIGNAL HEAD W/ BACKPLATE
- ⊙ DENOTES NUMBER OF CONDUCTORS
- ⎓ (P) TEMPORARY PEDESTRIAN SIGNAL HEAD
- ✖ TEMPORARY LUMINAIRE, SODIUM VAPOR, 250 WATT



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

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
- 6 EACH TRAFFIC SIGNAL POST
- 12 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.

- 1 EACH SERVICE INSTALLATION
- 2 EACH JUNCTION BOX
- ALL WIRES

SCHEDULE OF REMOVAL ITEMS

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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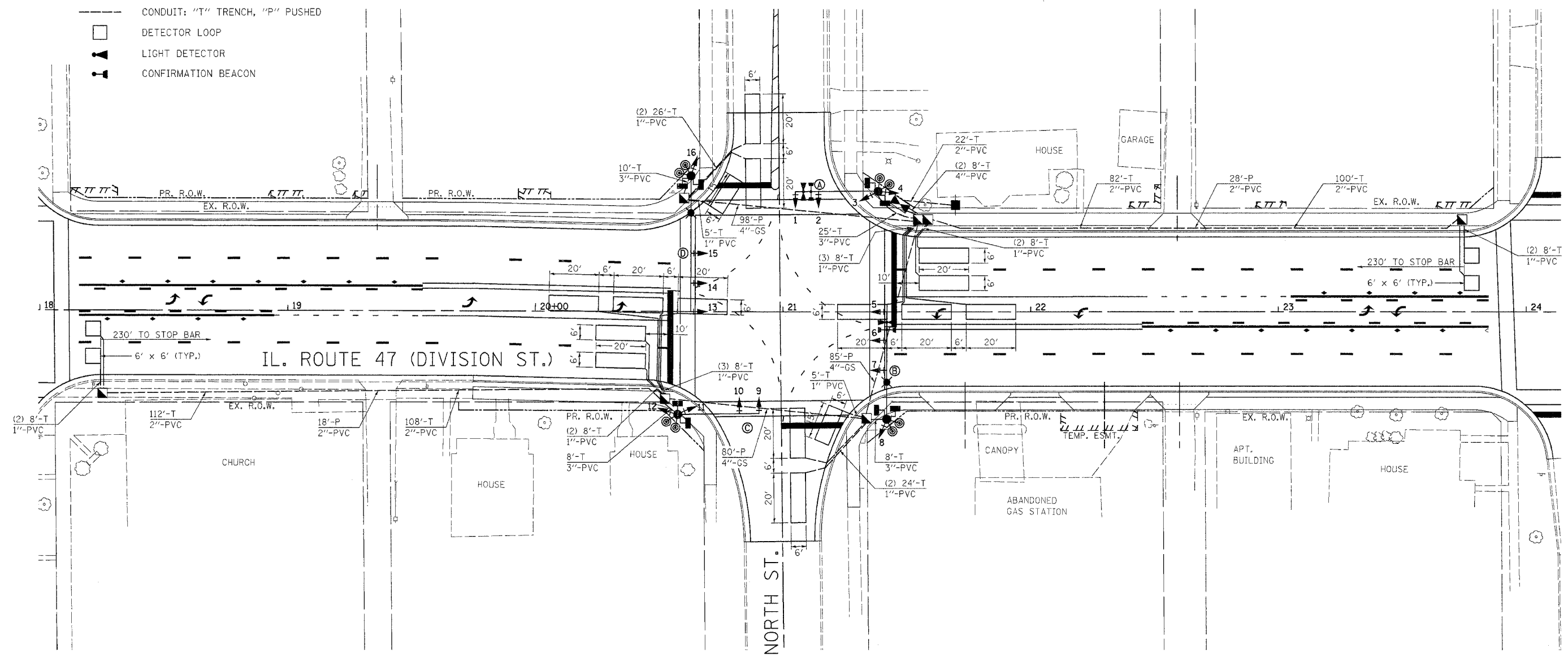
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111C) W&RS-21	GRUNDY	85	42
STA. 18+00		TO STA. 24+10		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 66720				

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

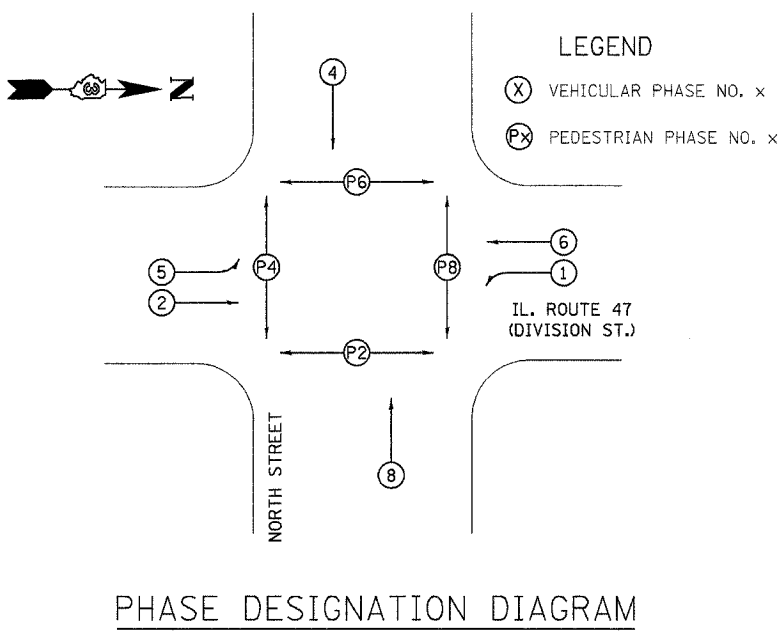
LOCATION	LENGTH
A	34' S. M.A.A. & POLE
B	44' S. COMB. M.A.A. & POLE
C	32' S. M.A.A. & POLE
D	55' S. COMB. M.A.A. & POLE

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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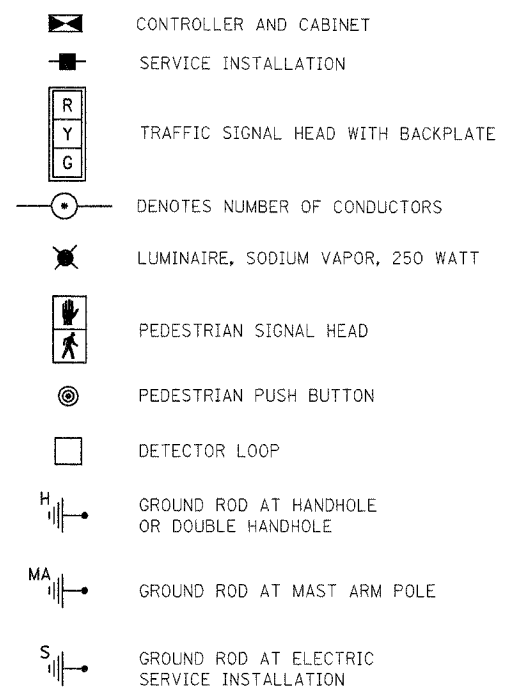
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(IICS) W&RS-21	GRUNDY	85	43
STA. 18+00 TO STA. 24+10		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
CONTRACT NUMBER: 66720				



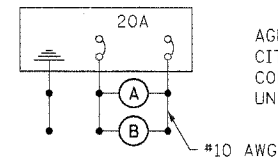
SCHEDULE OF QUANTITIES

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



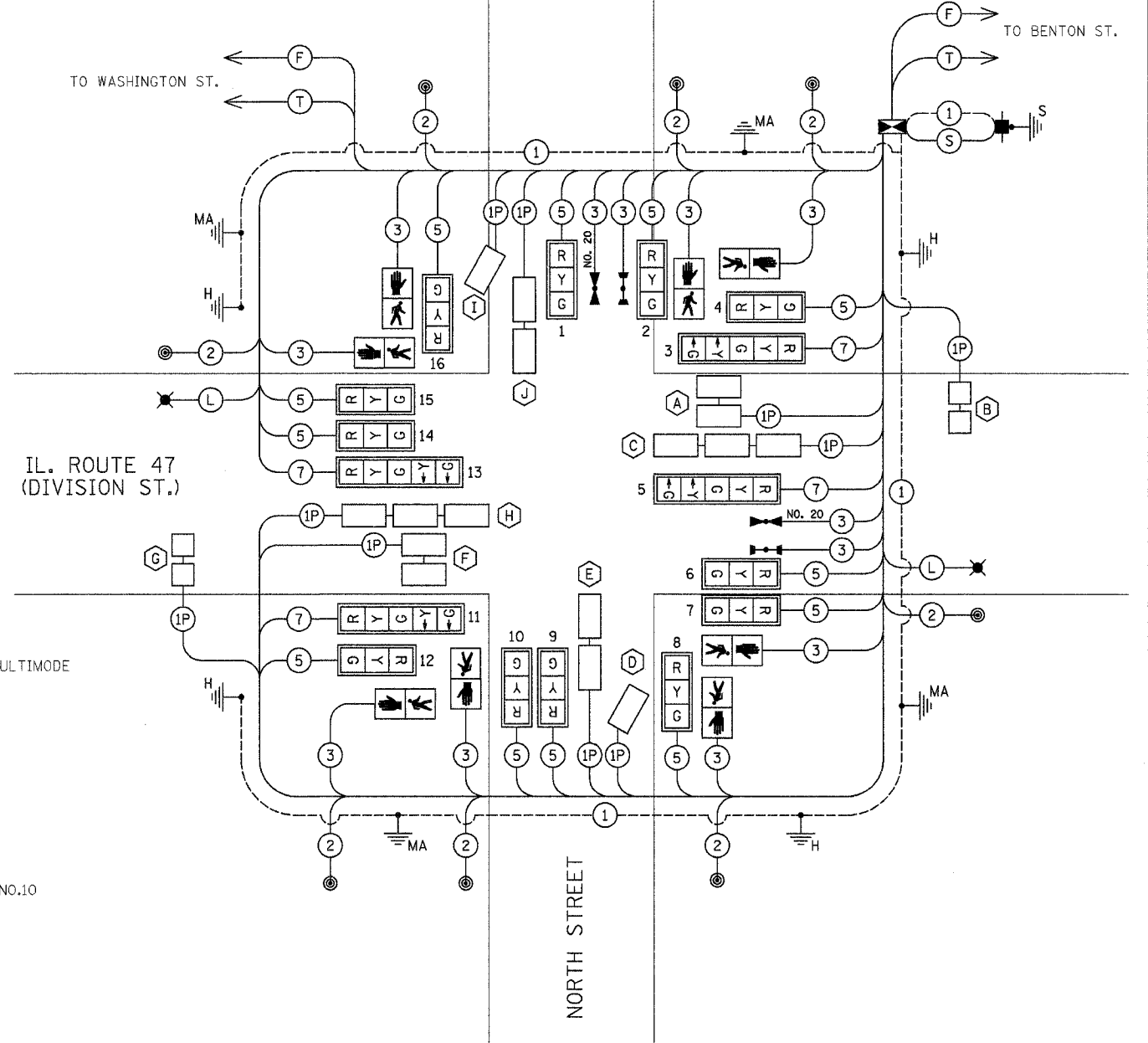
- INTERCONNECTION CABLE**
- (F) FIBER OPTIC CABLE 12 FIBER MULTIMODE AND 12 FIBER SINGLE MODE
 - (T) TRACER CABLE NO. 14 1C
- SERVICE CABLE**
- (S) ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- LIGHTING CABLE**
- (L) 600V (XLP-TYPE USE) 3 - 1/C NO.10



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.



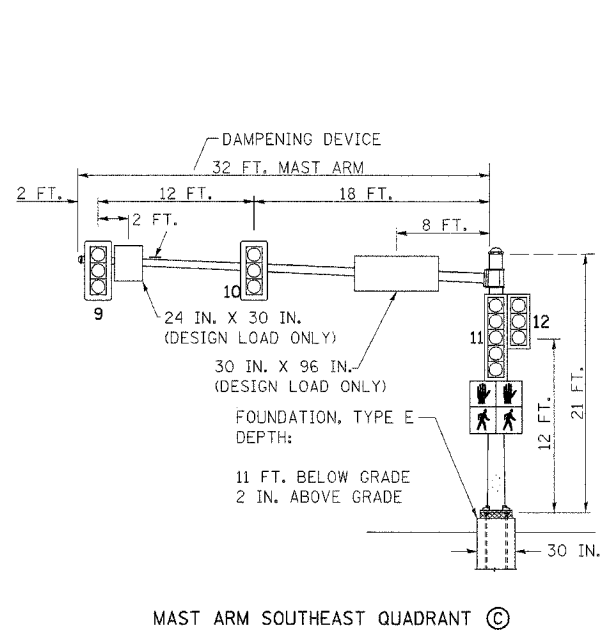
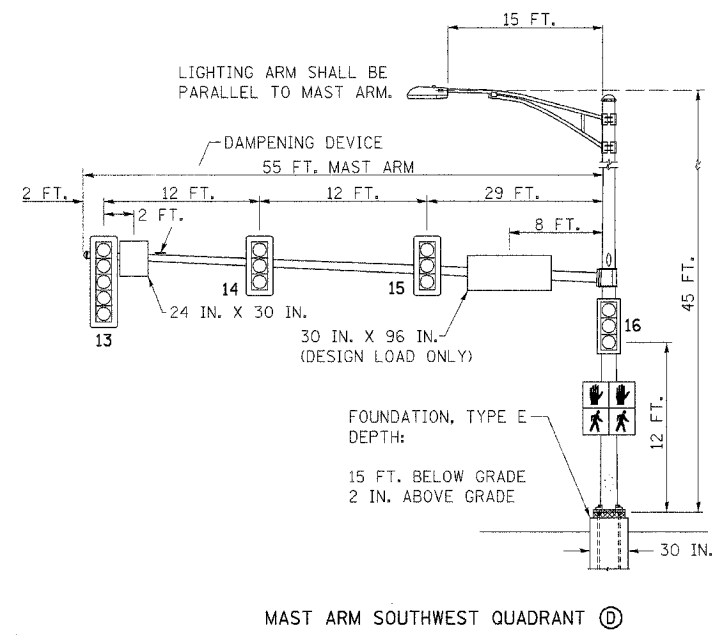
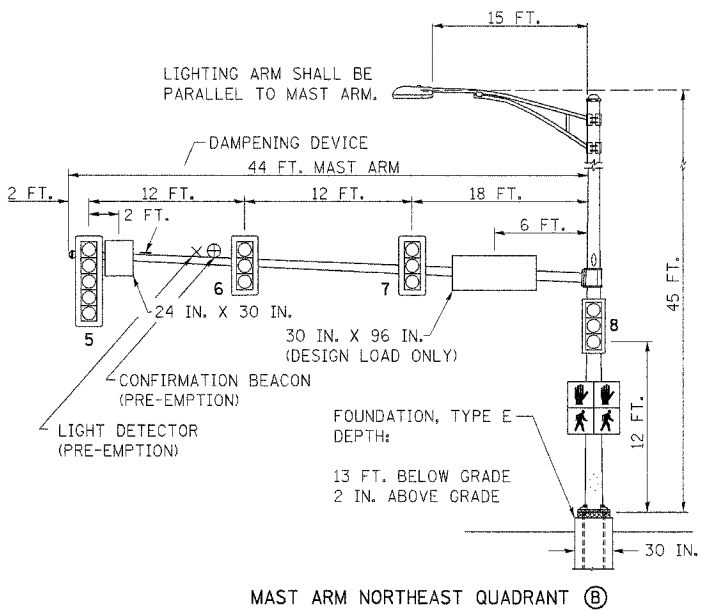
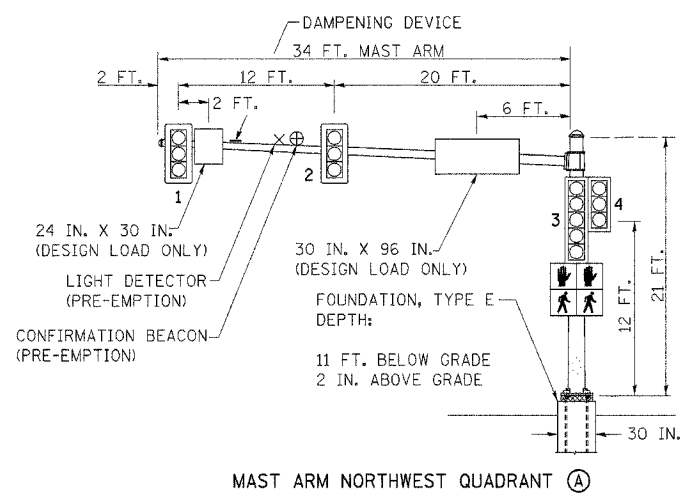
CABLE DIAGRAM
CONTROLLER SPECIFIED: EAGLE EPAC

REVISIONS	
NAME	DATE

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

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

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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

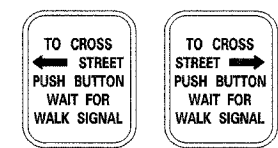
HIGHWAY LIGHTING

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

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.

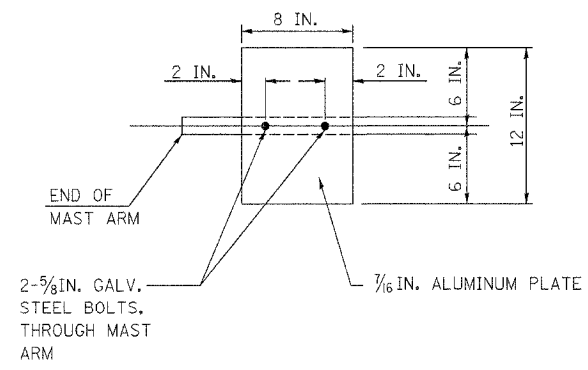
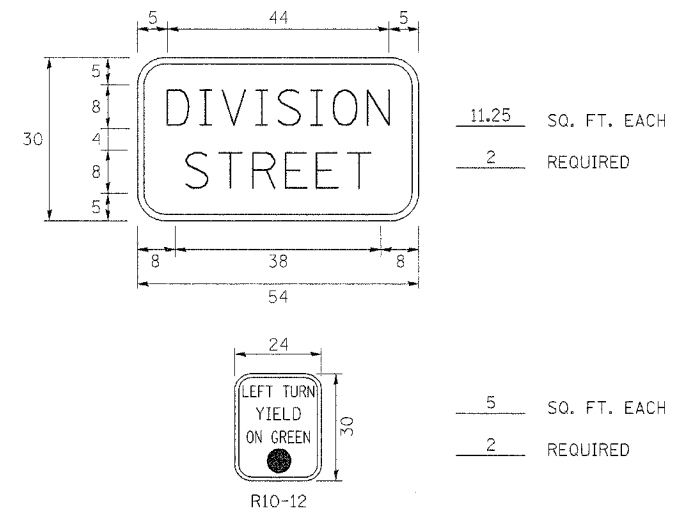
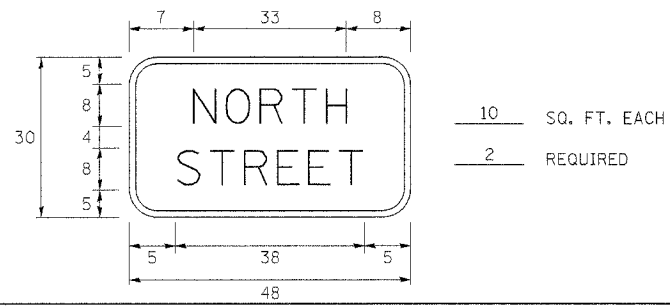
ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

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:
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



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

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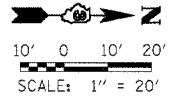
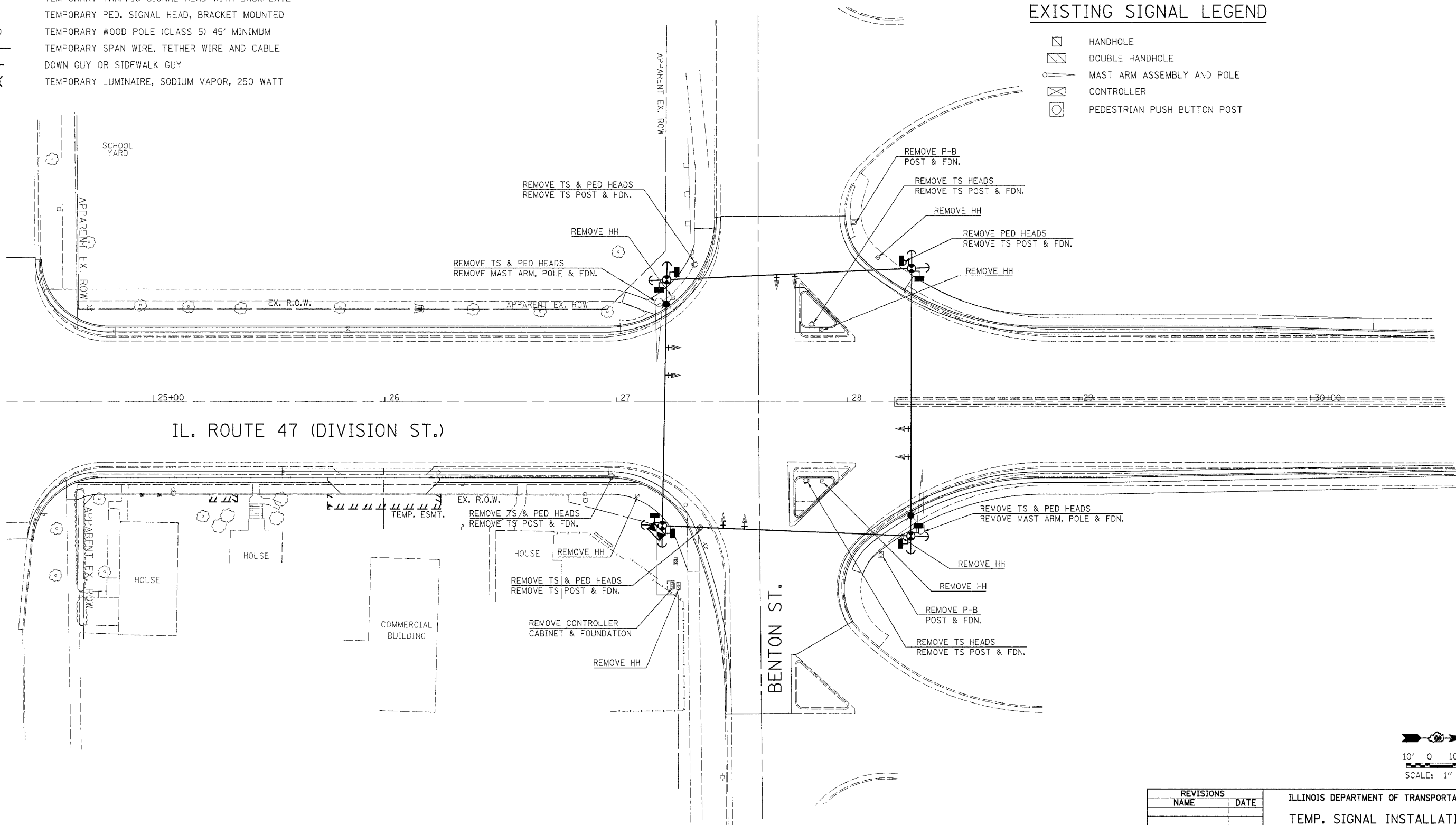
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	45
STA. 24+30		TO STA. 30+65		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 66720				

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
- 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



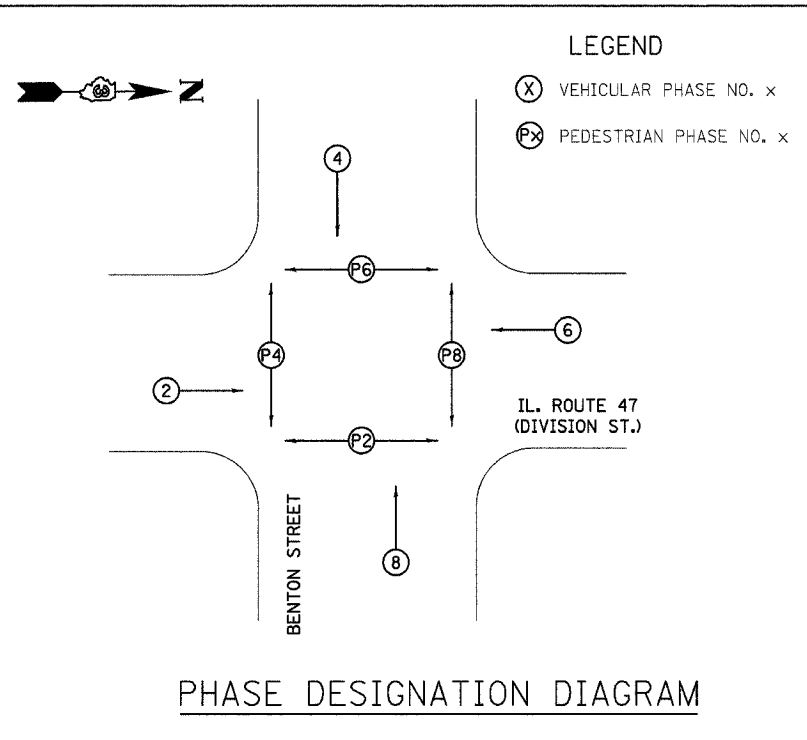
REVISIONS	
NAME	DATE

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

SCALE: 1"=20'
 DATE: JANUARY 2008

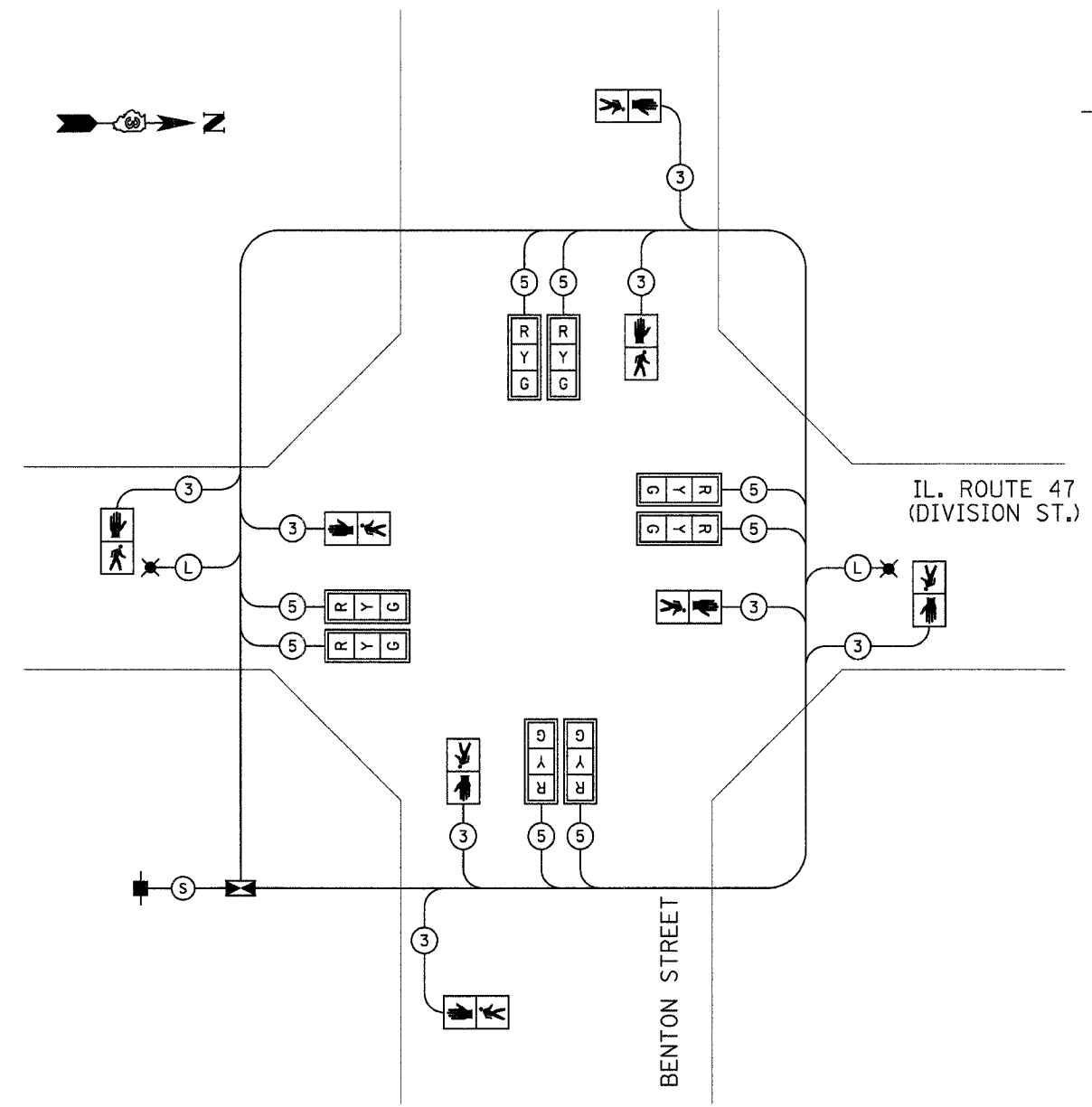
DRAWN BY: JVR
 CHECKED BY: FML

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



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

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

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

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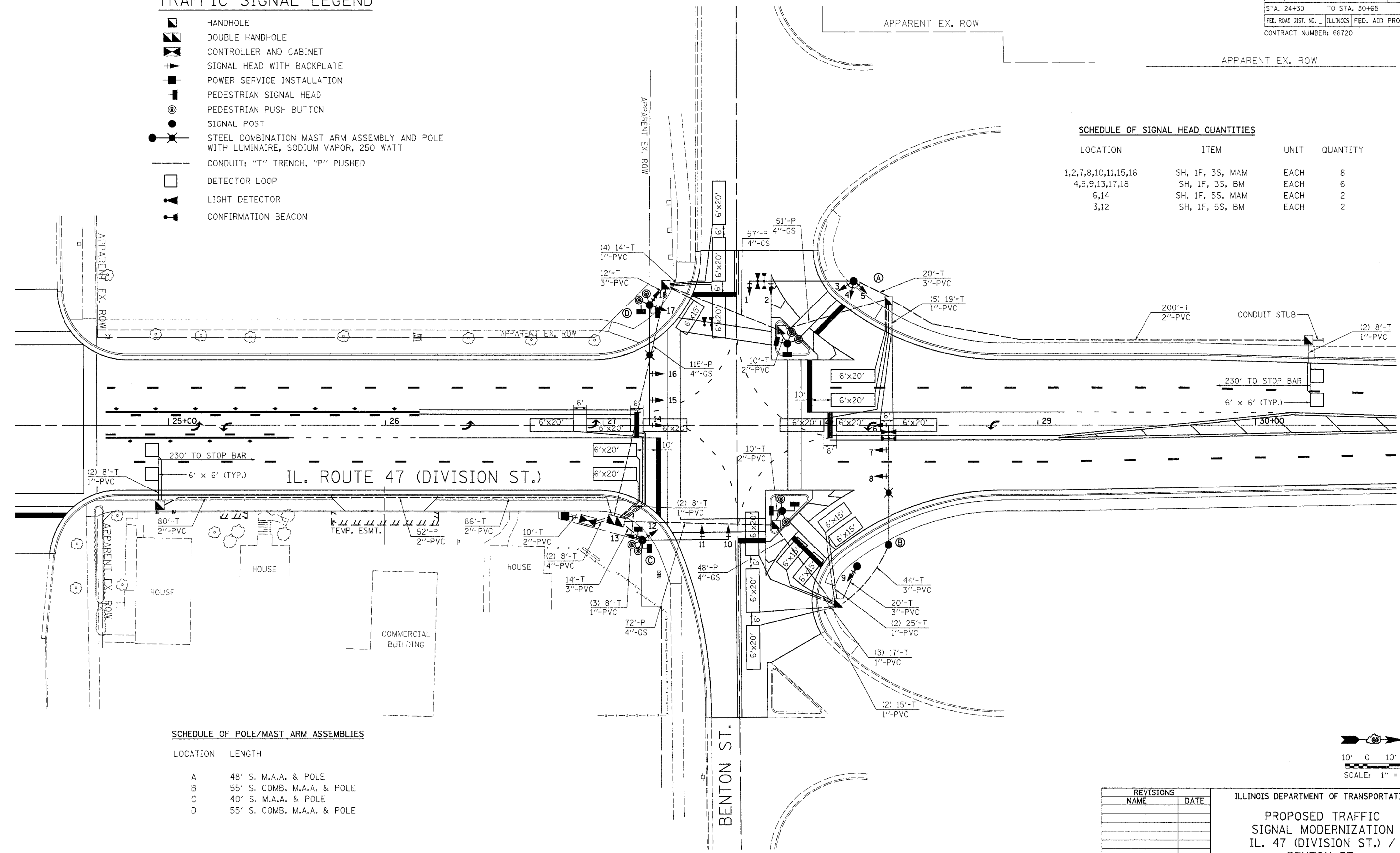
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	47
STA. 24+30		TO STA. 30+65		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 66720				

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

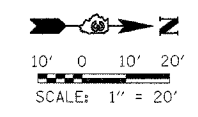
SCHEDULE OF SIGNAL HEAD QUANTITIES

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

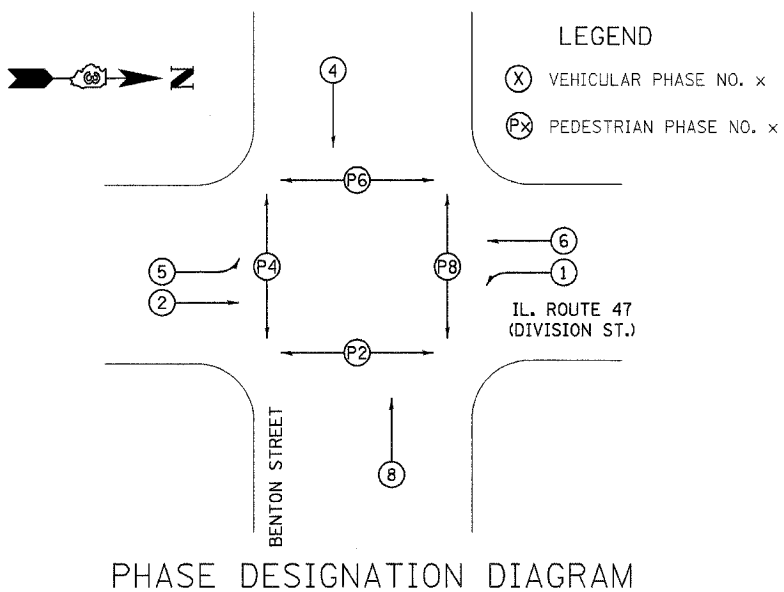
LOCATION	LENGTH
A	48' S. M.A.A. & POLE
B	55' S. COMB. M.A.A. & POLE
C	40' S. M.A.A. & POLE
D	55' S. COMB. M.A.A. & POLE



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

TRAFFIC SIGNAL PLANS - IL ROUTE 47 & BENTON ST.



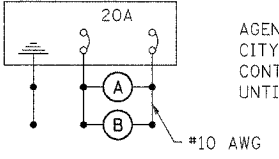
SCHEDULE OF QUANTITIES

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
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	2704

PROPOSED CABLE DIAGRAM LEGEND

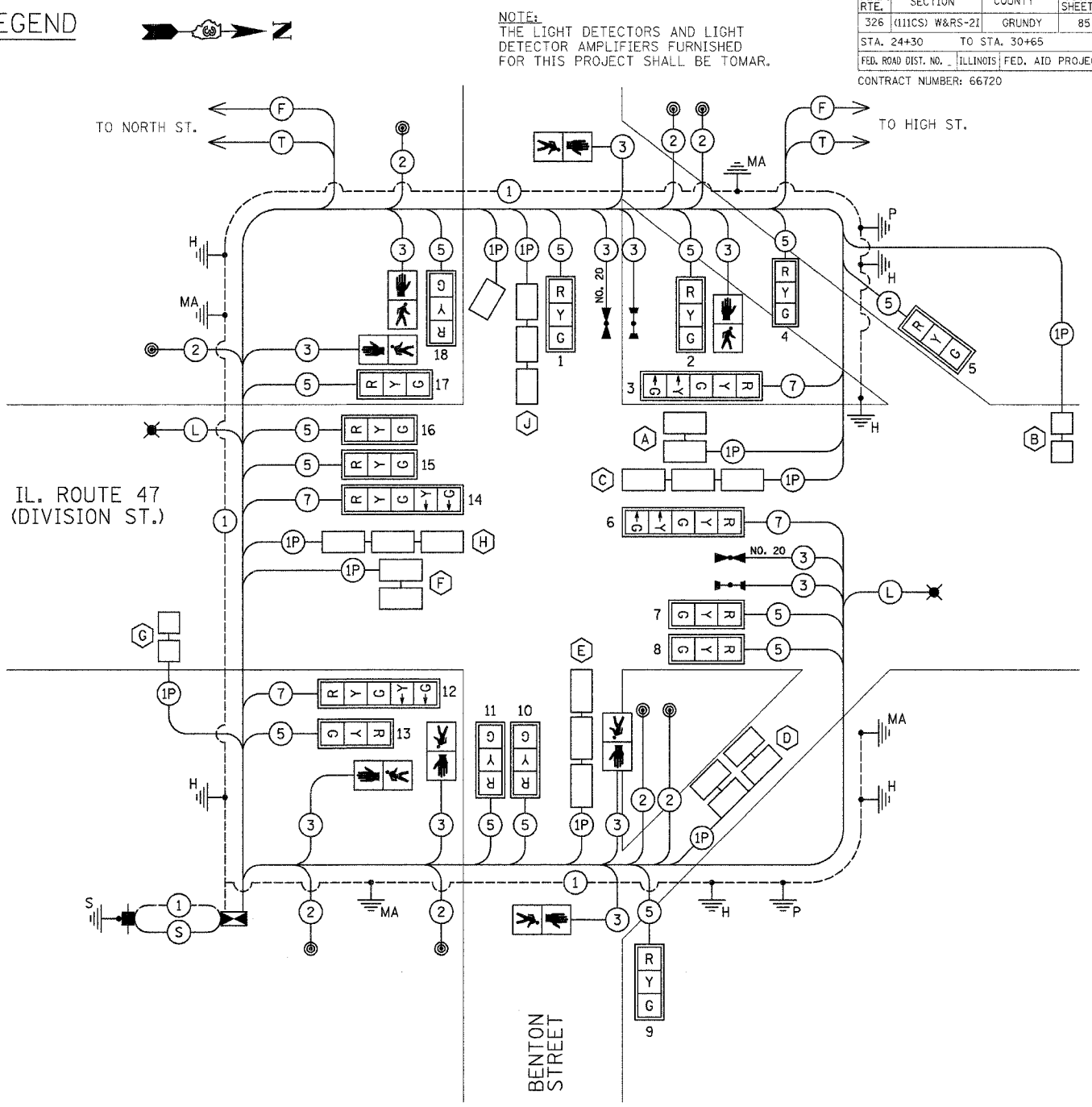
- CONTROLLER AND CABINET
- SERVICE INSTALLATION
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- RYG
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- DETECTOR LOOP
- GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION

- 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

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



CABLE DIAGRAM

CONTROLLER SPECIFIED: EAGLE EPAC

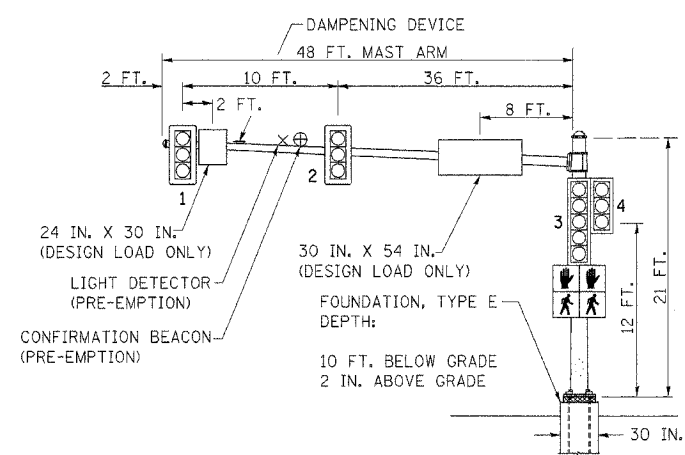
REVISIONS	
NAME	DATE

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

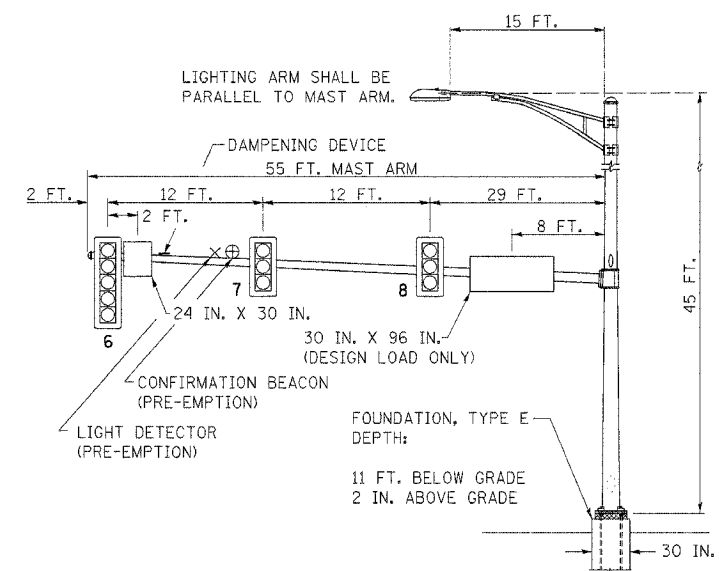
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DATE: JANUARY, 2008

DRAWN BY: JVR
CHECKED BY: FML

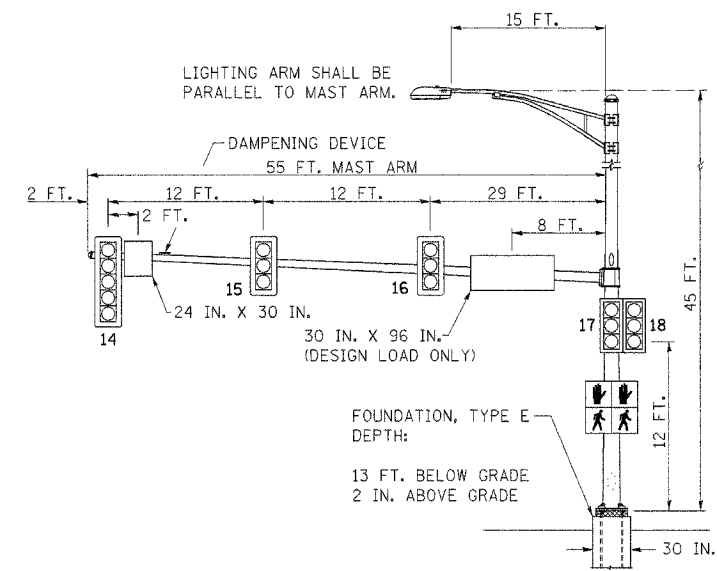
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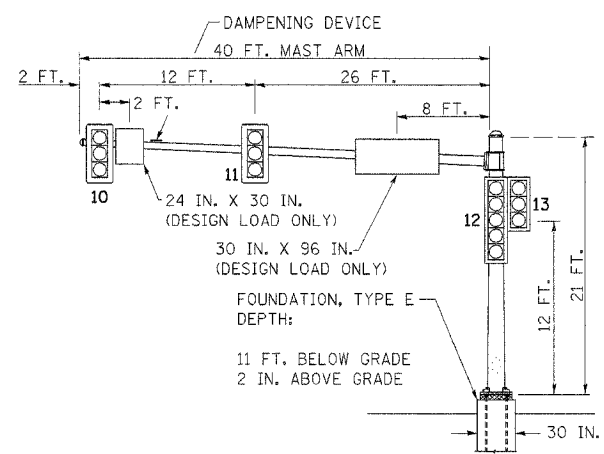
MAST ARM NORTHWEST QUADRANT (A)



MAST ARM NORTHEAST QUADRANT (B)



MAST ARM SOUTHWEST QUADRANT (C)



MAST ARM SOUTHEAST QUADRANT (D)

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 POWER SUPPLY	10	1.5	100
LIGHT DETECTOR AMPLIFIER	1	50	100
	1	1.5	100

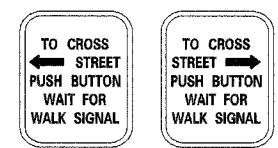
HIGHWAY LIGHTING

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.

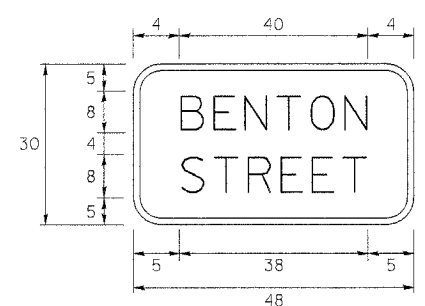
ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.

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

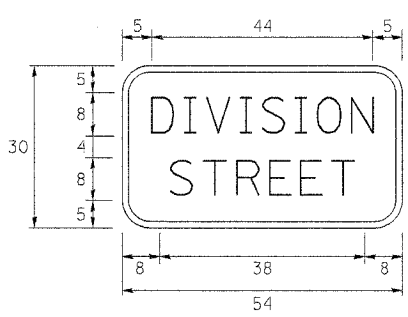
STREET SIGN DETAIL

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

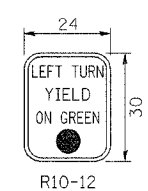
- STREET NAME SIGNS:
1. TYPE A SHEETING REQUIRED
 2. WHITE/GREEN BACKGROUND
 3. STYLE (d) - 5/8 IN. BORDER
 4. 8 IN. SERIES D LETTERS
 5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



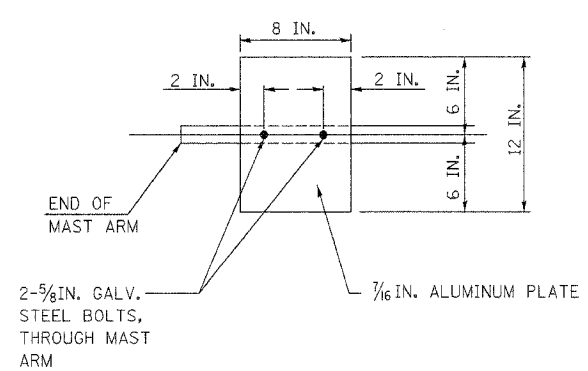
10 SQ. FT. EACH
2 REQUIRED



11.25 SQ. FT. EACH
2 REQUIRED



5 SQ. FT. EACH
2 REQUIRED



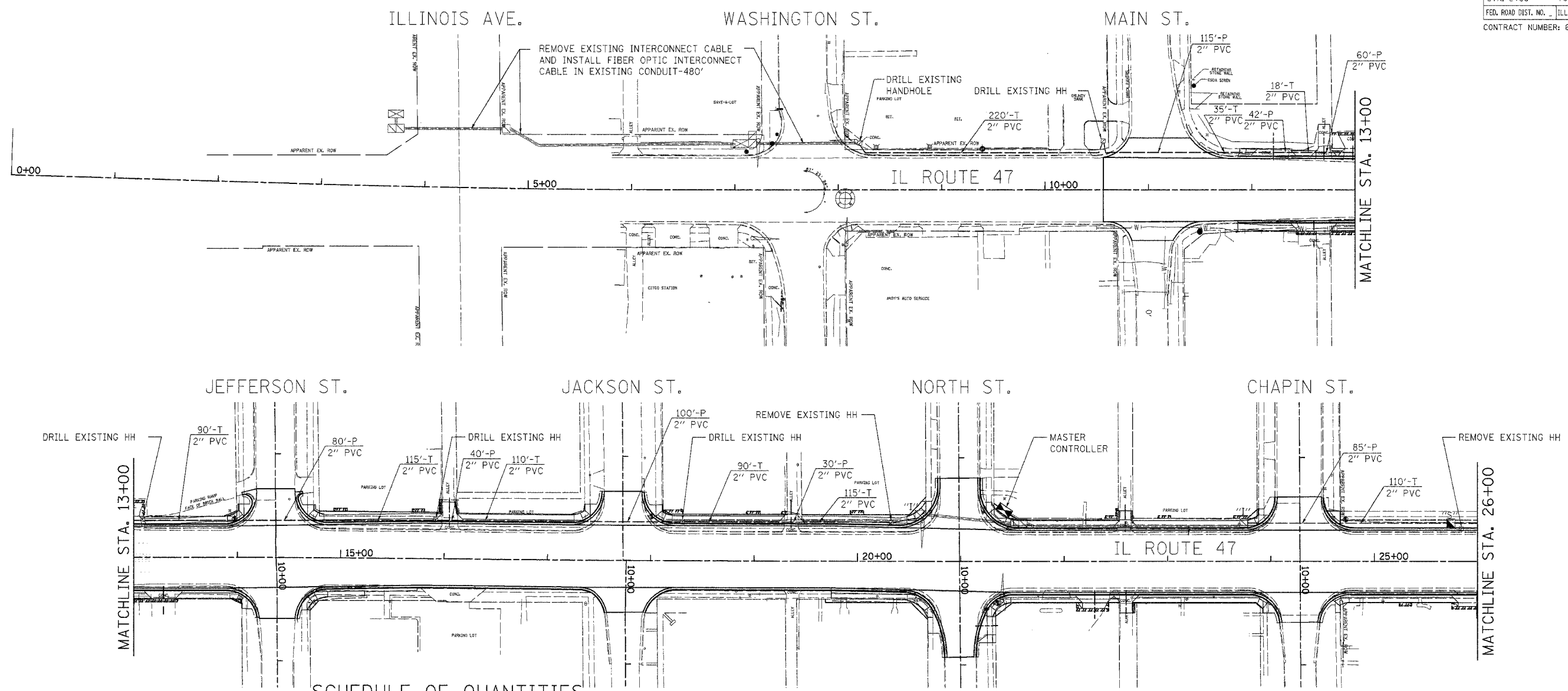
DAMPENING PLATE DETAIL
 (TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

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

\\nas011\p\ans\Benton_Plan.dgn 3/17/2008 5:04:05 PM

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				

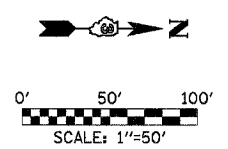


SCHEDULE OF QUANTITIES

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
TRANSCEIVER - FIBER OPTIC	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	8
LIGHTING CONTROLLER, SPECIAL	EACH	1
UNINTERRUPTABLE 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

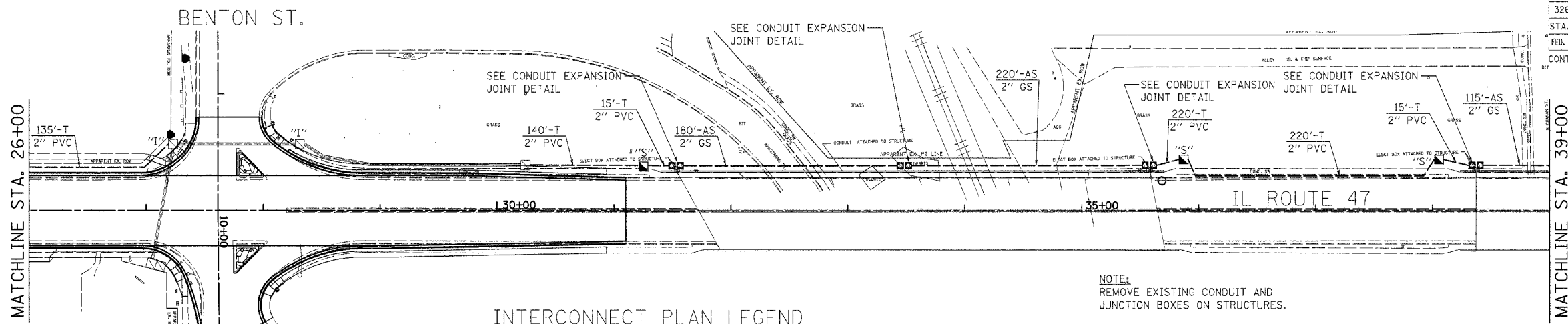
**INTERCONNECT PLAN
IL. RTE. 47 (DIVISION ST.)
SHEET 1 OF 3**

SCALE: 1"=50'
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

INTERCONNECT PLANS - IL ROUTE 47

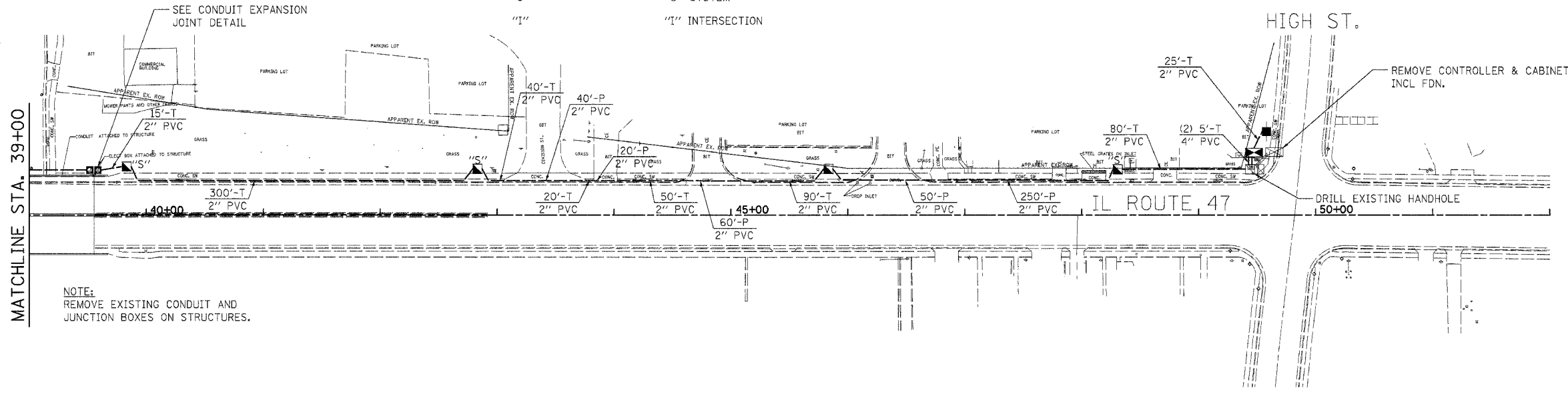
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	51
STA. 26+00		TO STA. 52+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NUMBER: 66720				



INTERCONNECT PLAN LEGEND

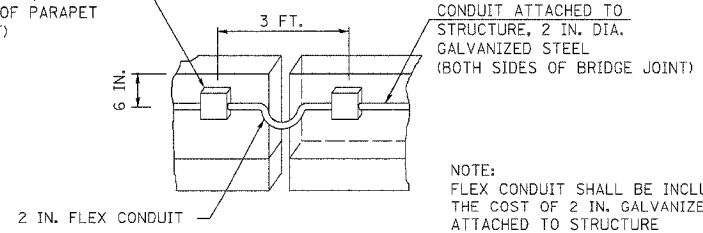
		CONTROLLER
		HANDHOLE
		DOUBLE HANDHOLE
CONDUIT: "T" TRENCHED, "P" PUSHED, "AS" ATTACHED TO STRUCTURE		
"S"	"S"	"S" SYSTEM
"I"	"I"	"I" INTERSECTION

NOTE:
REMOVE EXISTING CONDUIT AND
JUNCTION BOXES ON STRUCTURES.



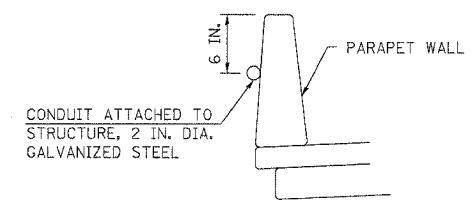
NOTE:
REMOVE EXISTING CONDUIT AND
JUNCTION BOXES ON STRUCTURES.

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

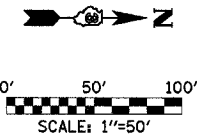


CONDUIT EXPANSION JOINT DETAIL
NOT TO SCALE

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

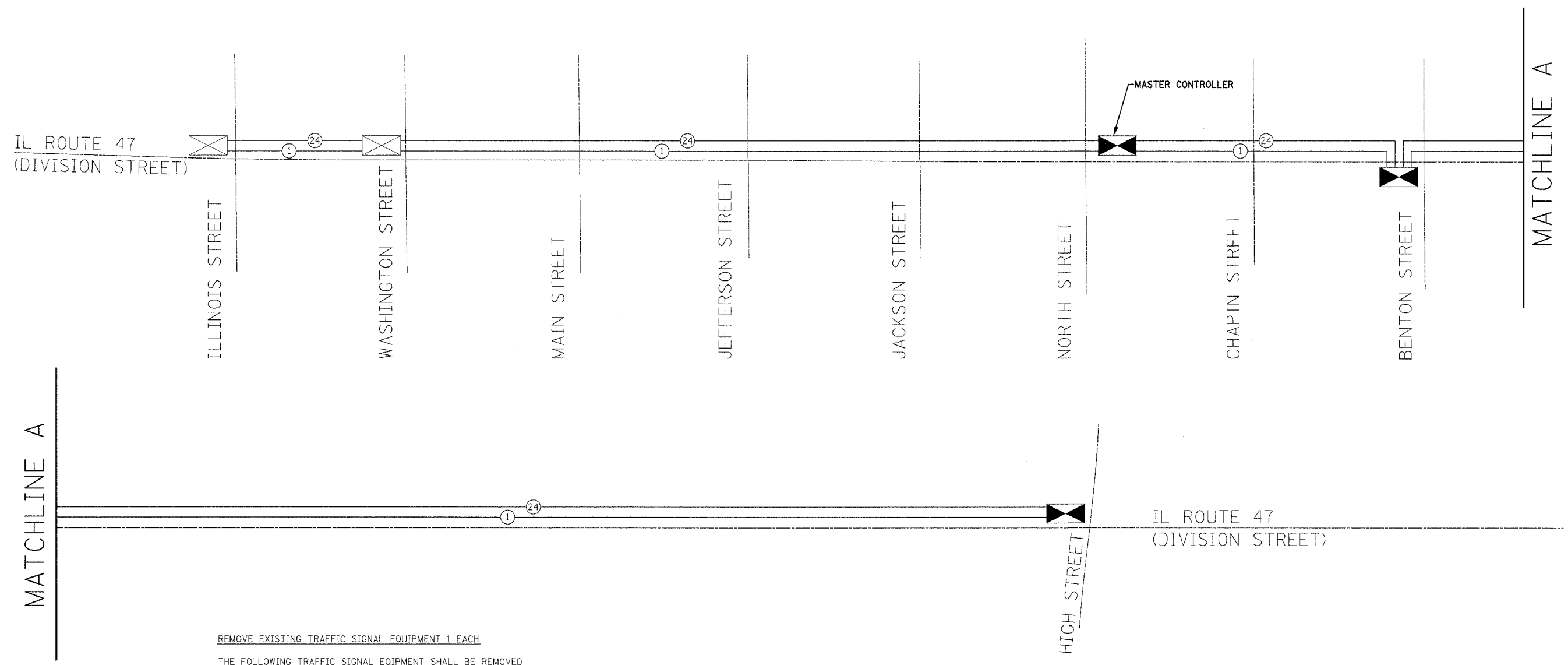
INTERCONNECT PLAN
IL. RTE. 47 (DIVISION ST.)
SHEET 2 OF 3

SCALE: 1"=50'
DATE: JANUARY 2008

DRAWN BY: JVR
CHECKED BY: FML

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



MATCHLINE A

MATCHLINE A

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

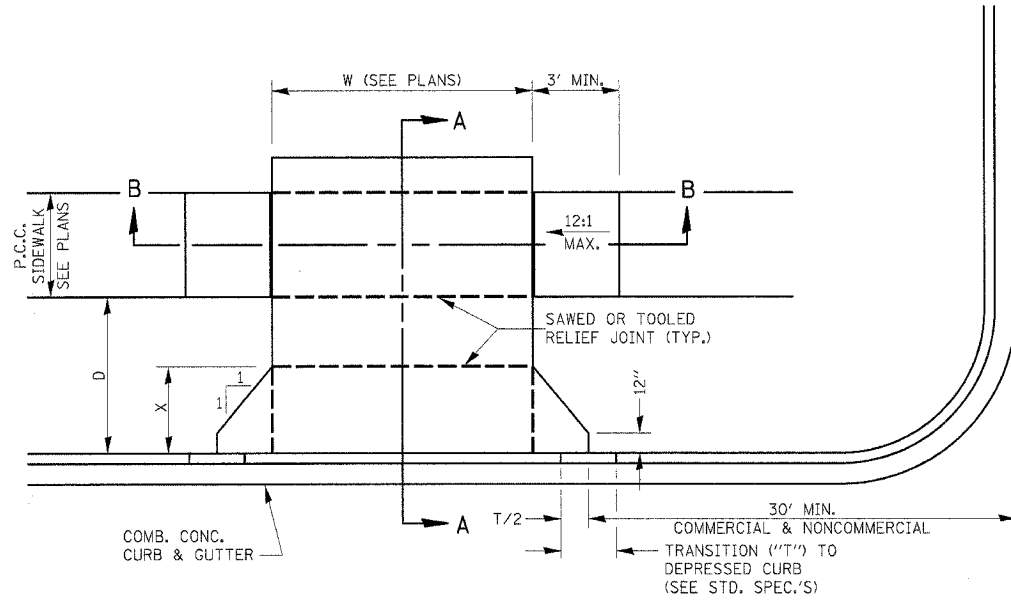
INTERCONNECT SCHEMATIC
IL. RTE. 47 (DIVISION ST.)
SHEET 3 OF 3

SCALE: NONE
DATE: JANUARY 2008

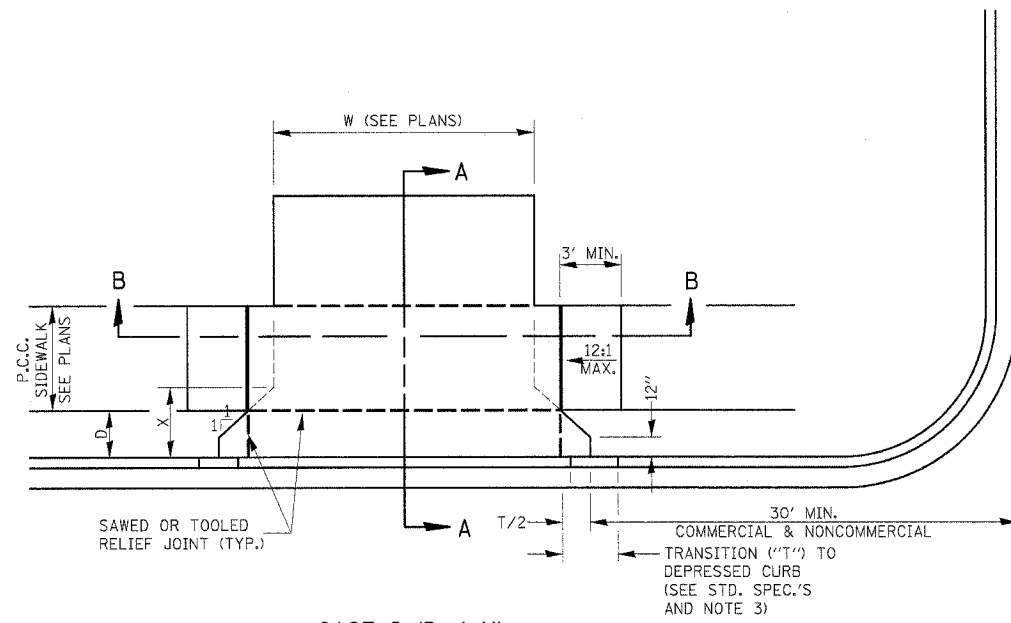
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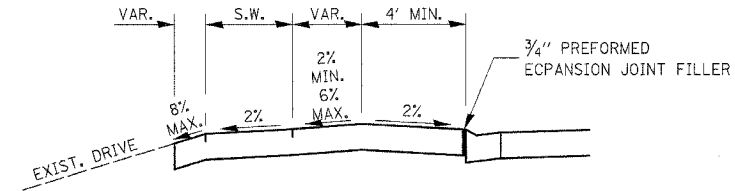
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&R5-2I	GRUNDY	85	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CASE I (D ≥ X)

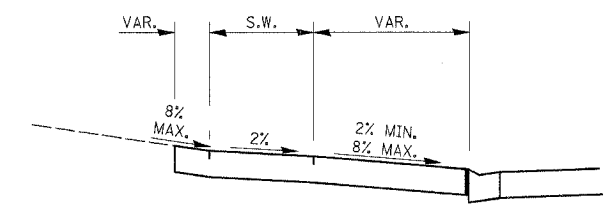


CASE I (D < X)

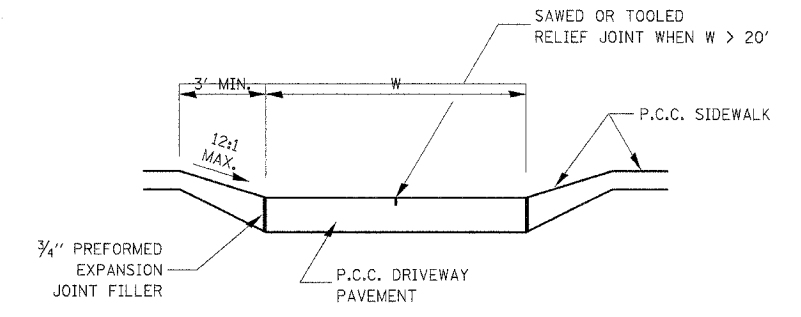


DEPRESSED ENTRANCE*
SECTION A-A

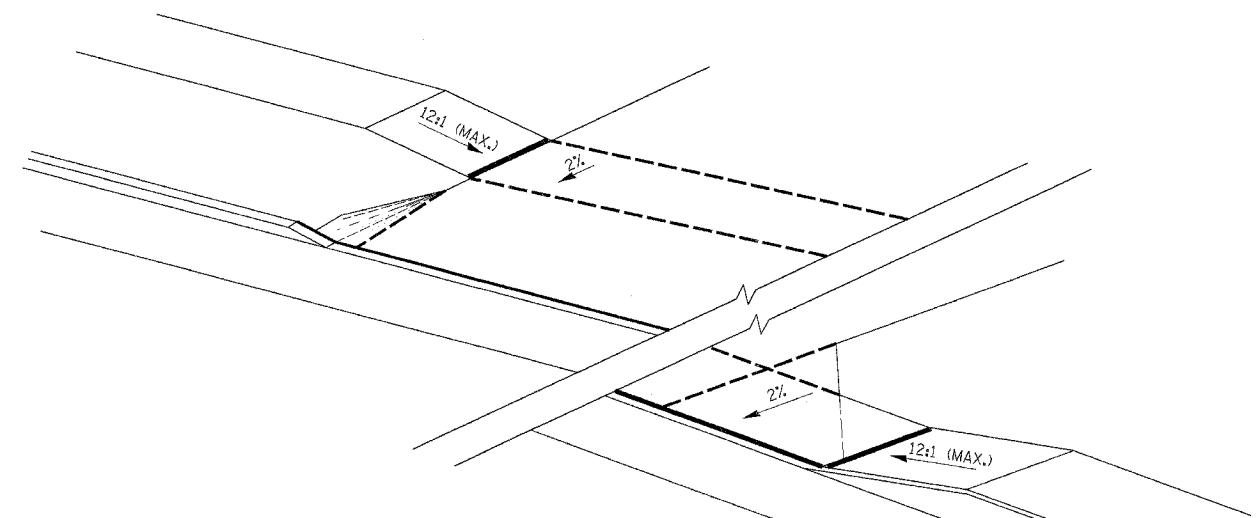
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE*
SECTION A-A



SECTION B-B



GENERAL NOTES:

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

PCC URBAN ENTRANCES

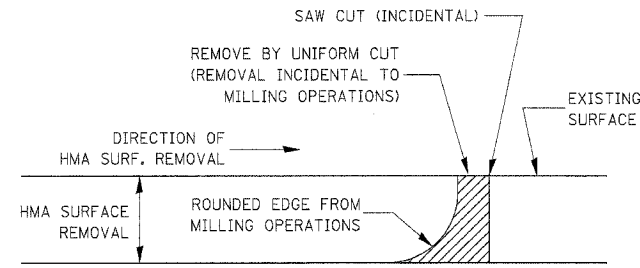
423-1

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

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FILE NAME = #FILEL*
PLOT SCALE = #SCALE*
REFERENCE = #REF*

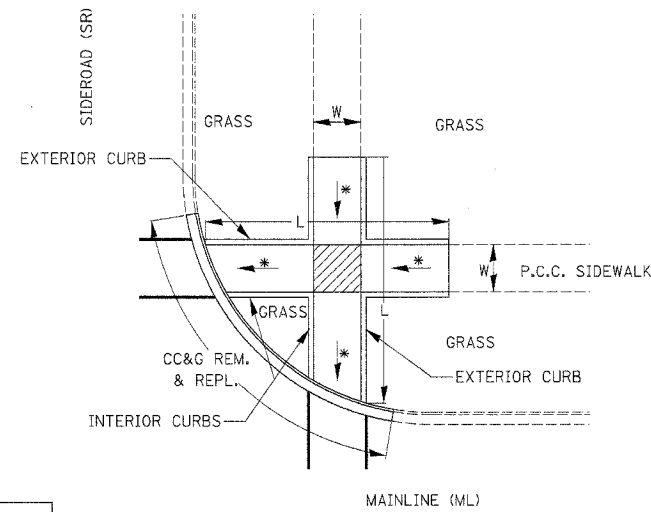
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

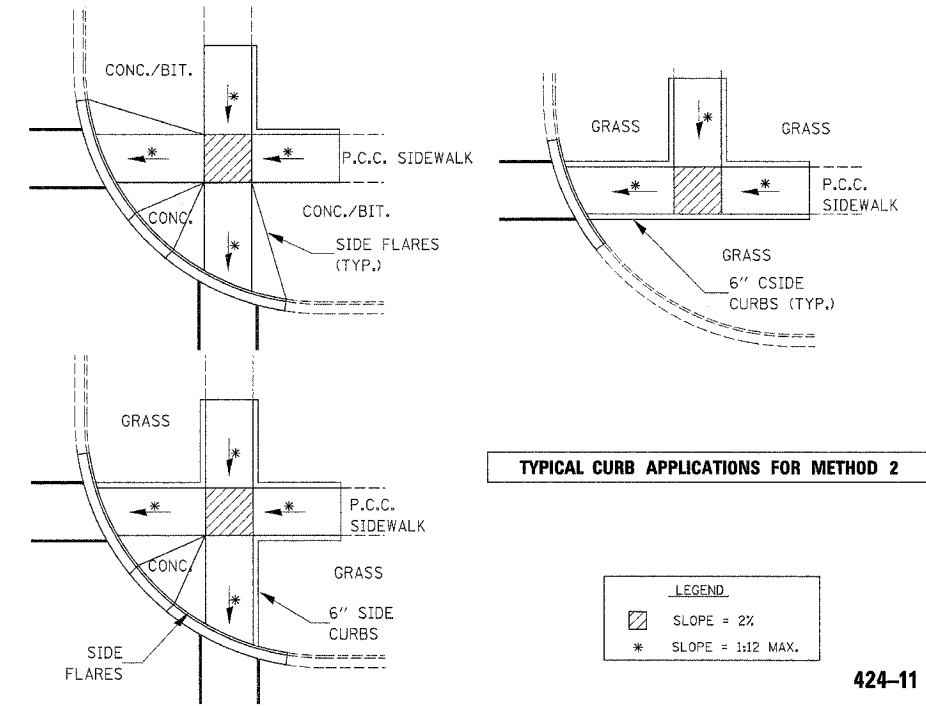
406-8



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

METHOD 2

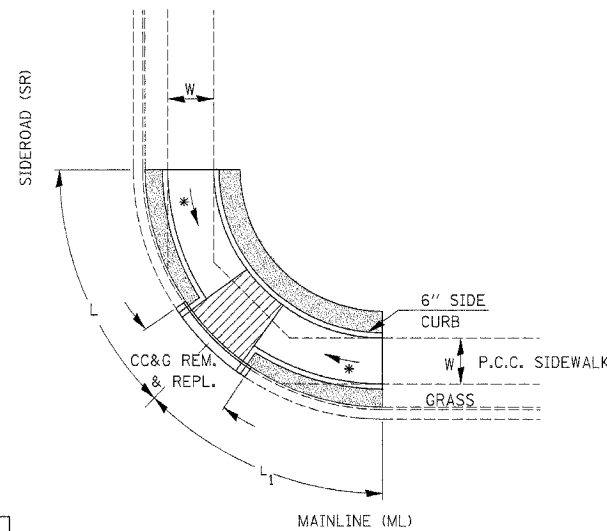
424-10
ADA SIDEWALK
ACCESSIBILITY RAMPS



TYPICAL CURB APPLICATIONS FOR METHOD 2

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

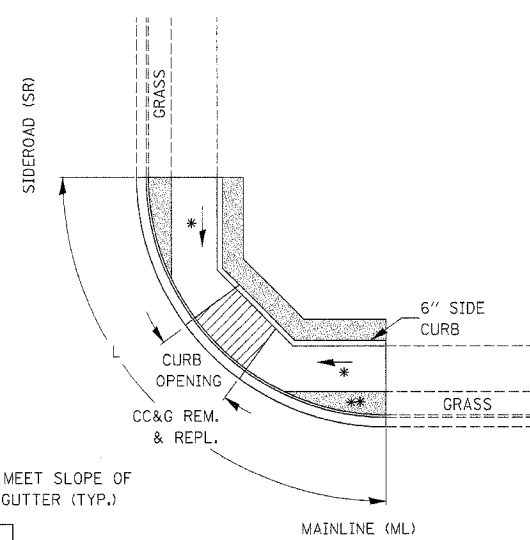
424-11



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

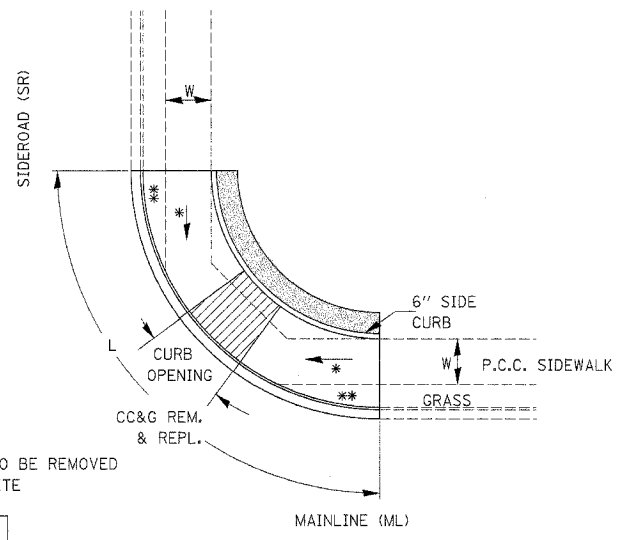
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

IL ROUTE 47 - DISTRICT DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85
STA.	TO STA.		55
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

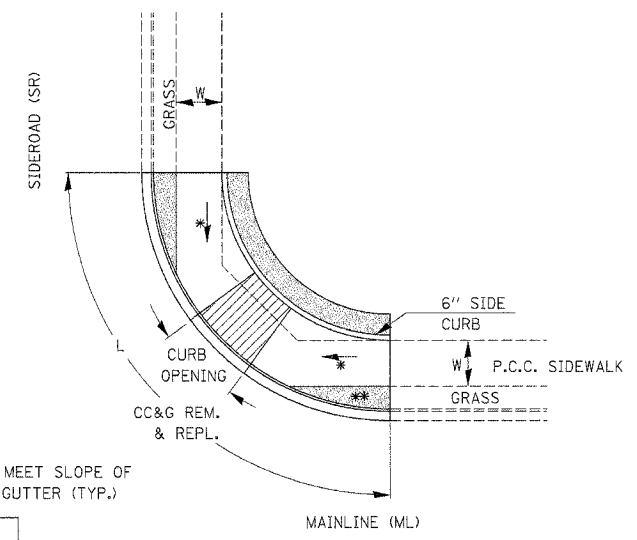


** AREA OF EXISTING GRASS TO BE REMOVED AND REPLACED WITH CONCRETE

LEGEND

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

METHOD 6
424-24
ADA SIDEWALK ACCESSIBILITY RAMPS

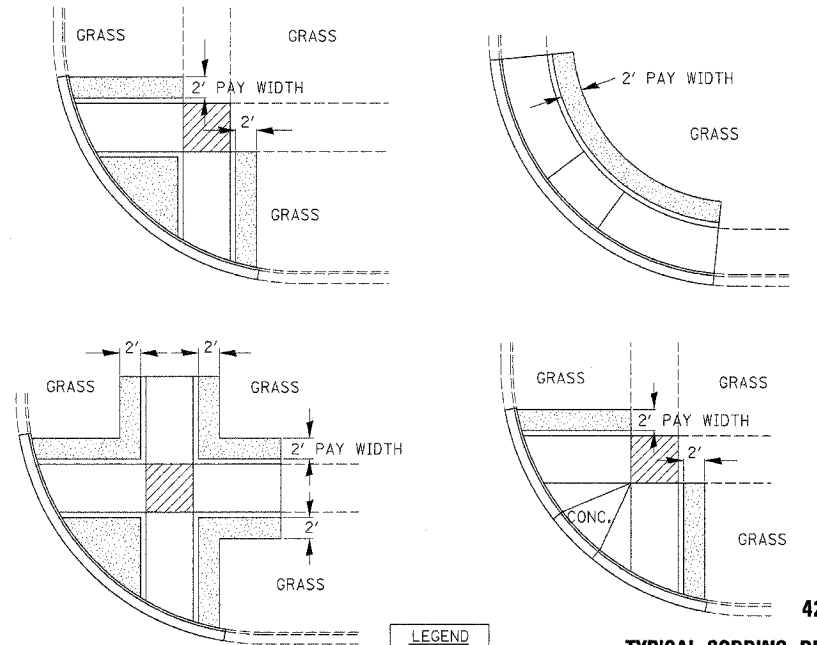


** SOD TO BE SLOPED TO MEET SLOPE OF SIDEWALK AND CURB & GUTTER (TYP.)

LEGEND

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

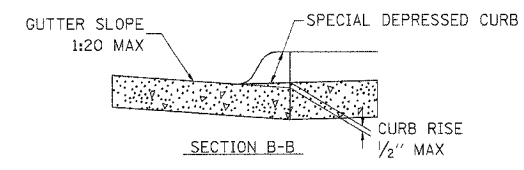
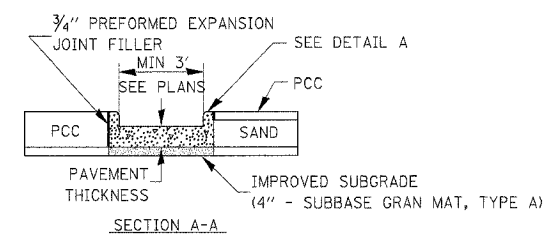
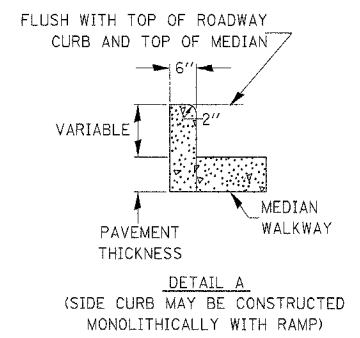
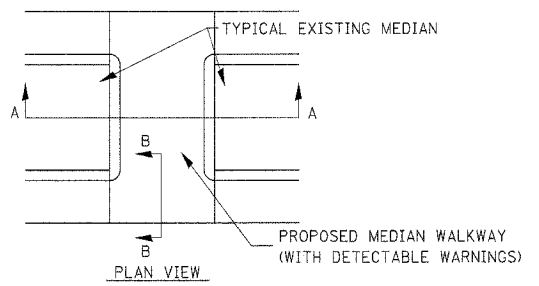
METHOD 6
424-25
ADA SIDEWALK ACCESSIBILITY RAMPS



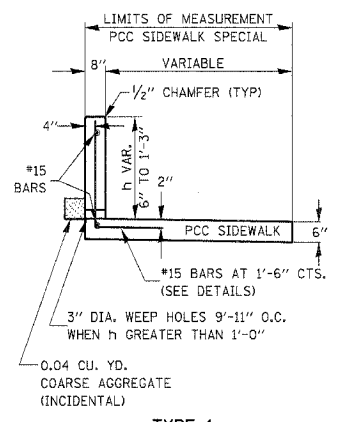
LEGEND

	SOD
--	-----

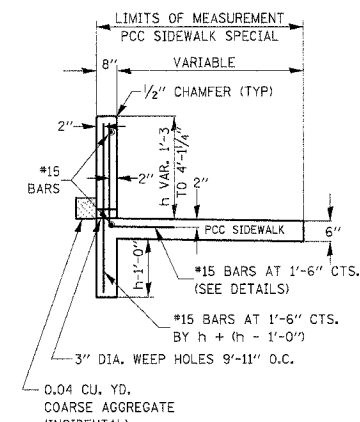
424-26
TYPICAL SODDING DETAILS FOR SIDEWALK RAMPS



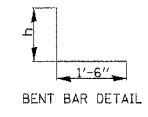
424-27
CONCRETE MEDIAN DETAIL FOR SIDEWALK RAMP



TYPE 1



TYPE 2



PCC SIDEWALK SPECIAL WITH RETAINING WALL

424-28

REVISIONS	
NAME	DATE

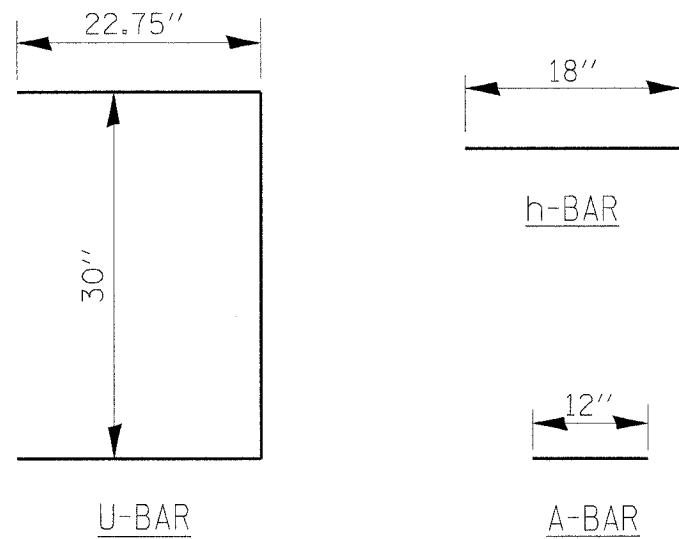
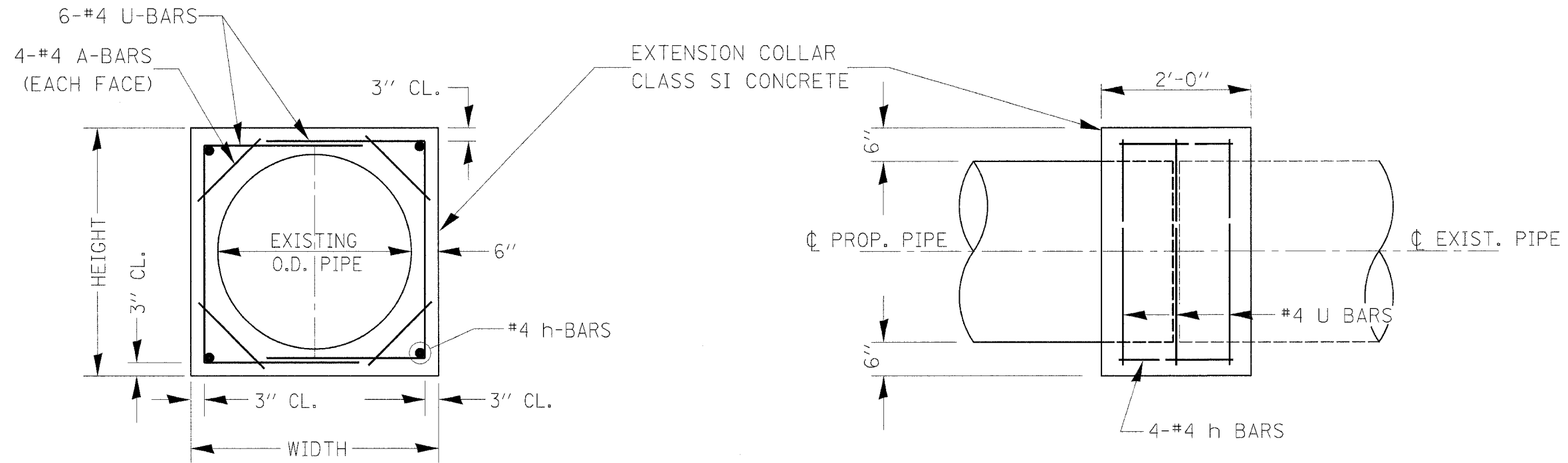
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

DRAWN BY: KHH
CHECKED BY: FML

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

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		

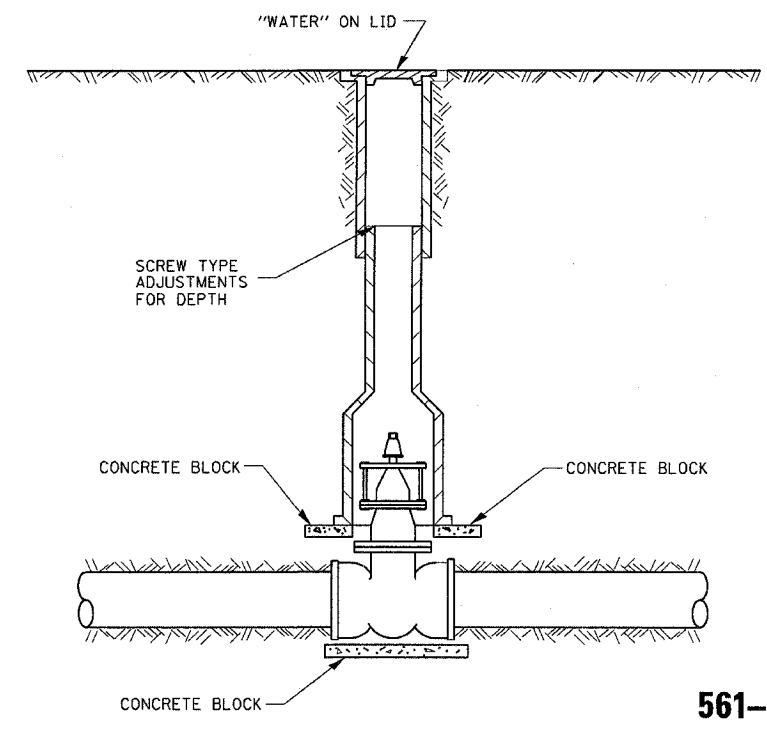


LOCATION	EXISTING CULVERT SIZE	EXTENSION COLLAR		A-BAR	U-BAR		h-BAR	CONC. COLLAR	REINFORCEMENT BARS
		WIDTH	HEIGHT	12	22.75	30.0	18		
		IN.	IN.	IN.	IN.	IN.	IN.	CU. YD.	POUND
14+88 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
16+31 LT.	12" DIA.	36"	36"	96"	273"	180"	72"	0.6667	34.6
19+00 LT.	12"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

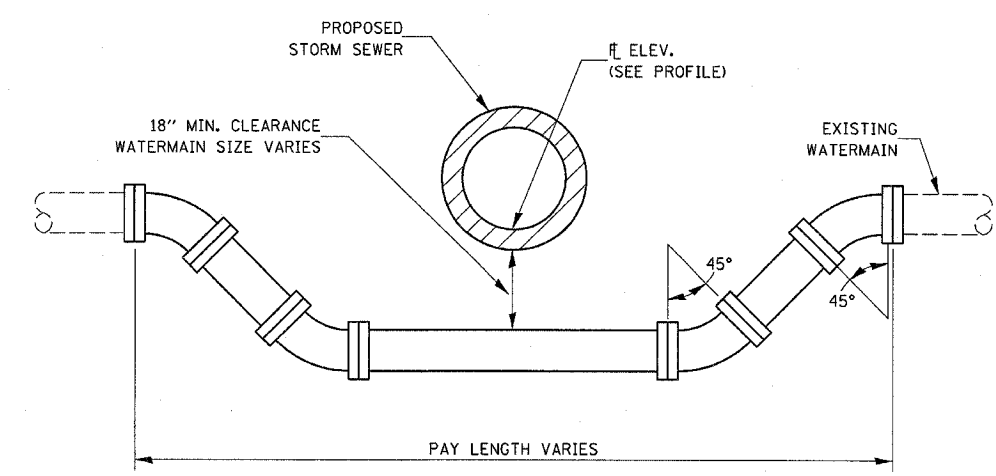
542-3

F.A.P. RTE.	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

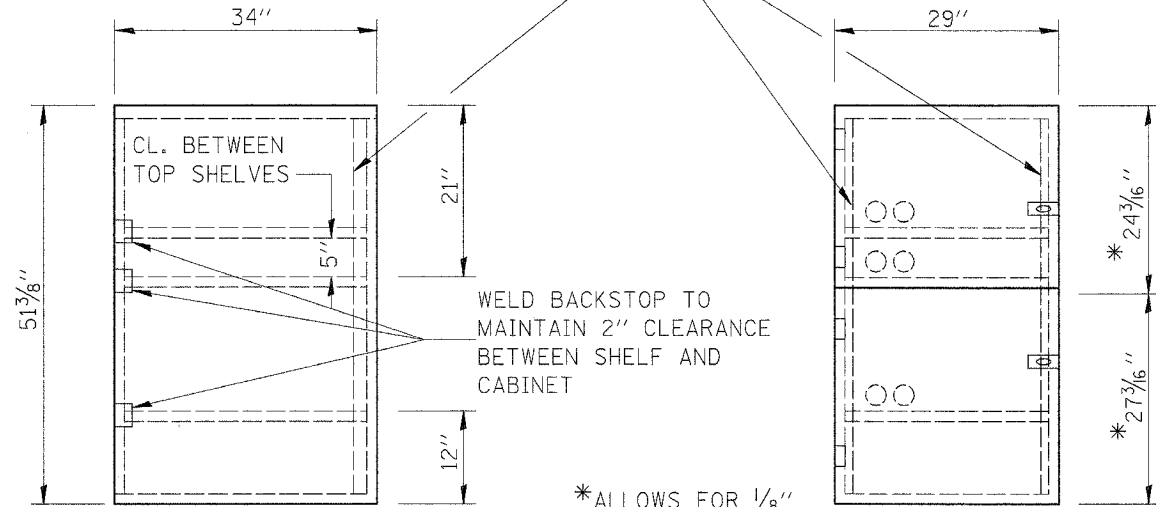
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SHELF SIDE VIEW

SHELF FRONT VIEW

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



SIDE VIEW

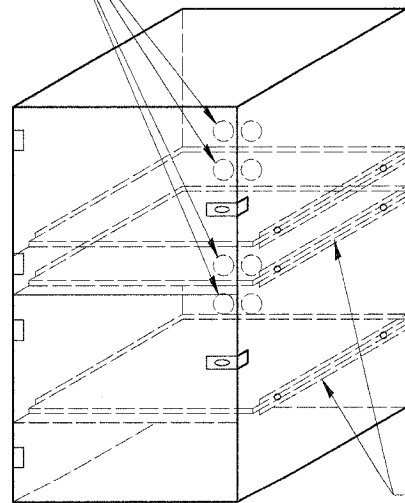
FRONT VIEW

* 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.

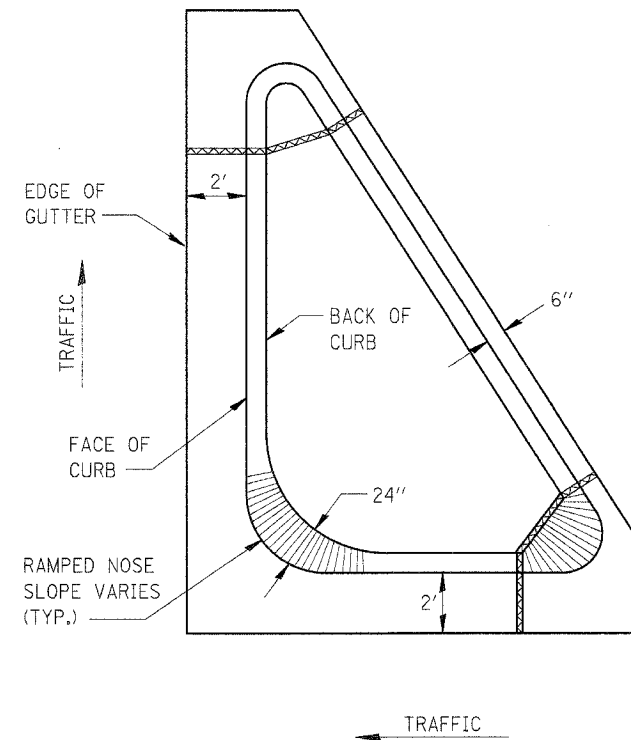
2" ACCESS HOLES IN REAR OF CABINET



FLAT STOCK DIMENSIONS VARY DEPENDING ON TYPE OF ROLLER ASSEMBLY.

LOCKABLE COMPUTER CABINET

670-1

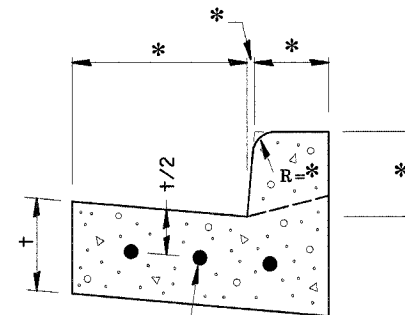


GENERAL NOTES:

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

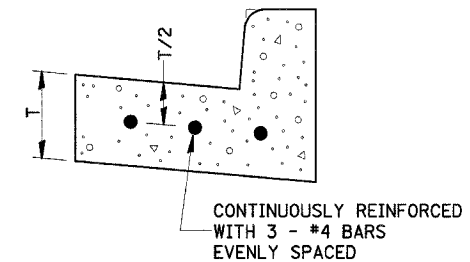


CONTINUOUSLY REINFORCED WITH 3 - #4 BARS EVENLY SPACED

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

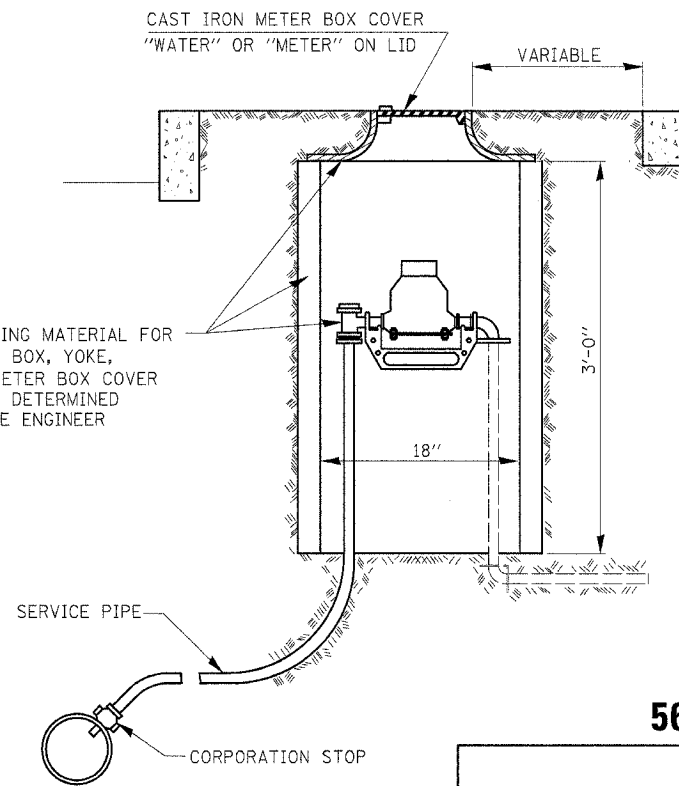
606-7

REVISIONS	
NAME	DATE

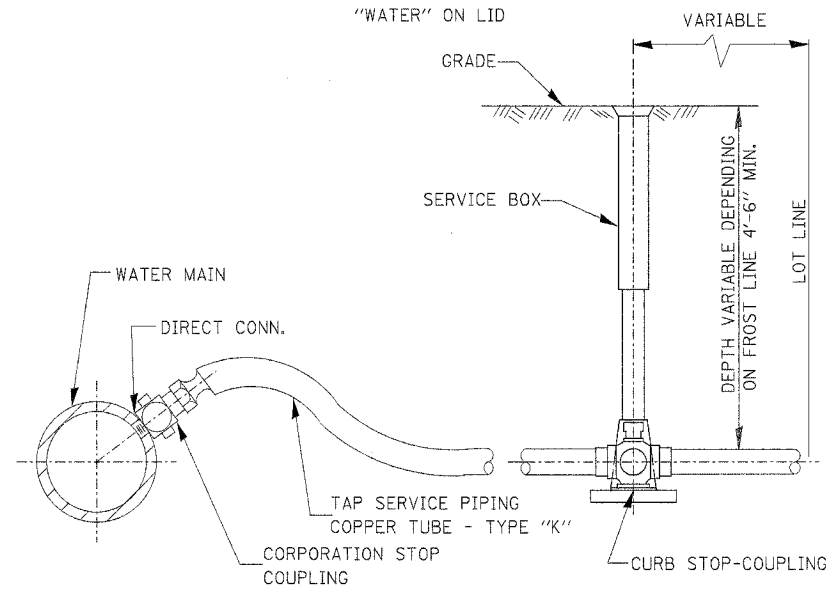
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT DETAILS
 IL ROUTE 47
 GRUNDY COUNTY
 SCALE: NTS
 DATE: 09/2007
 DRAWN BY: KHH
 CHECKED BY: FML

IL ROUTE 47 - DISTRICT DETAILS

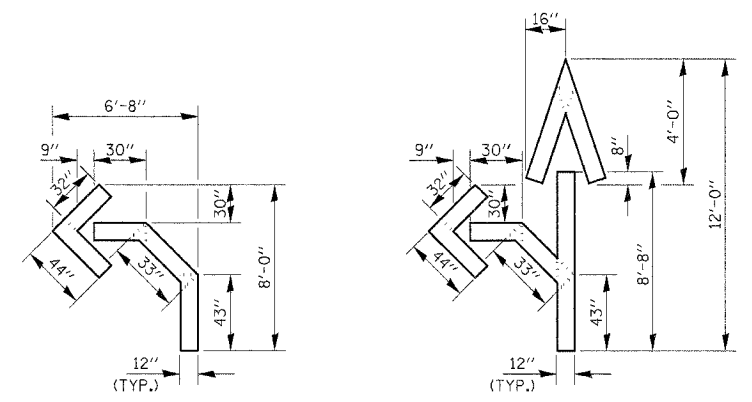
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	59
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		



561-2
TYPICAL SINGLE METER BOX INSTALLATION

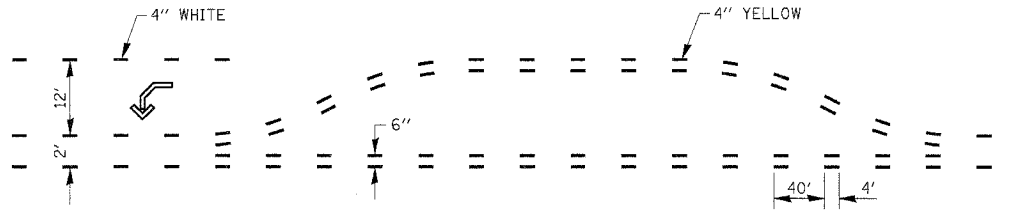


562-1
TYPICAL TAP SERVICE PIPING (COPPER)



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

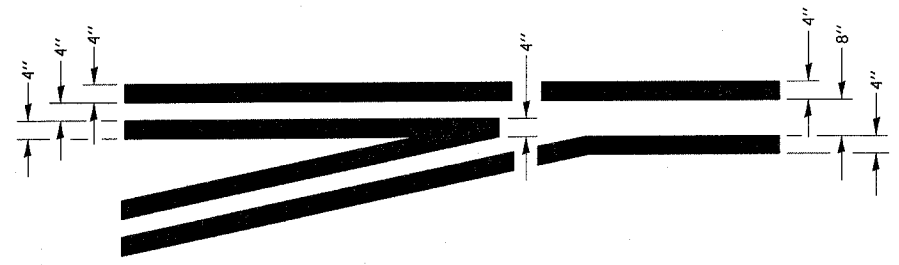
703-1

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

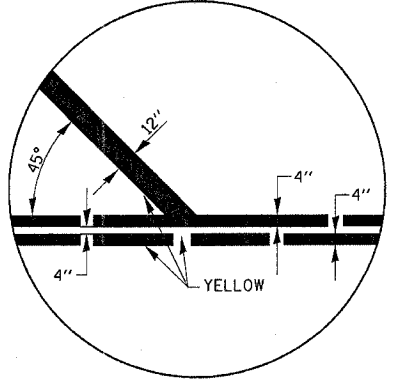
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. TO STA.		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		

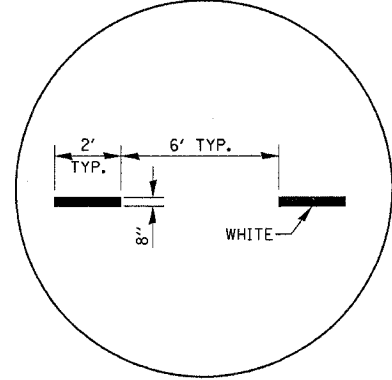


**TYPICAL APPLICATION
@ LEFT TURN LANES**

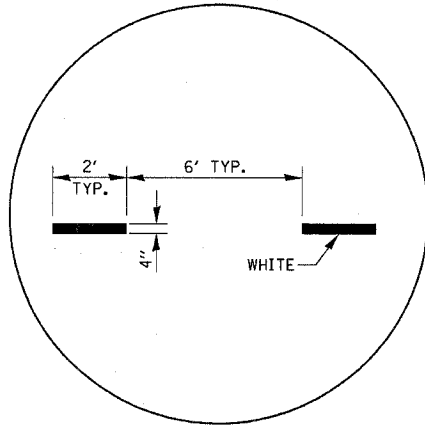
780-1



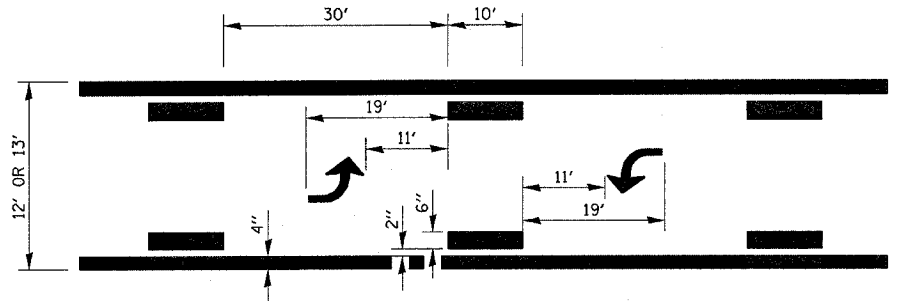
780-4



780-5

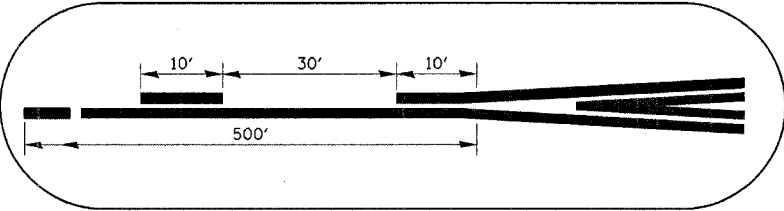


780-6

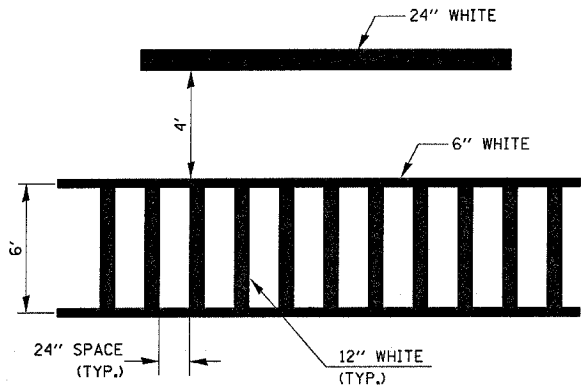


**TYPICAL APPLICATION @
BI-DIRECTIONAL TURN LANE**

780-2



780-7



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

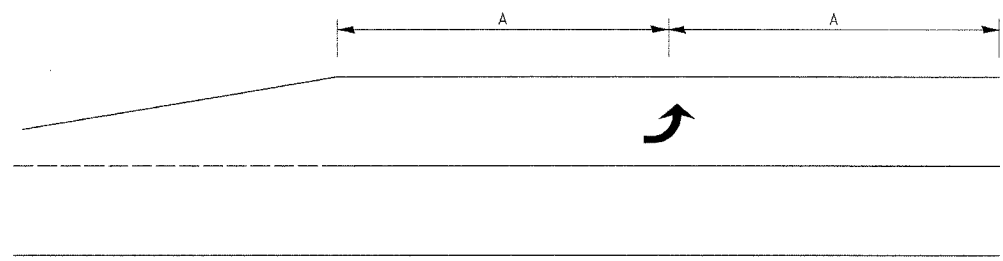
780-3

REVISIONS	
NAME	DATE

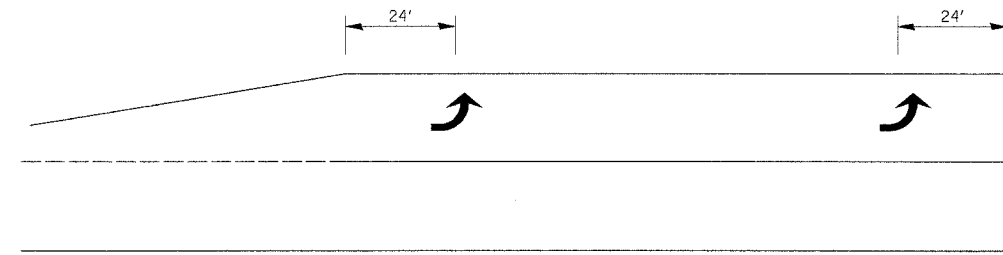
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

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

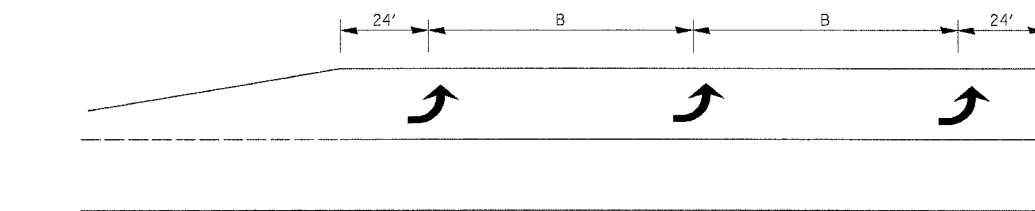
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	61
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



99' AND UNDER



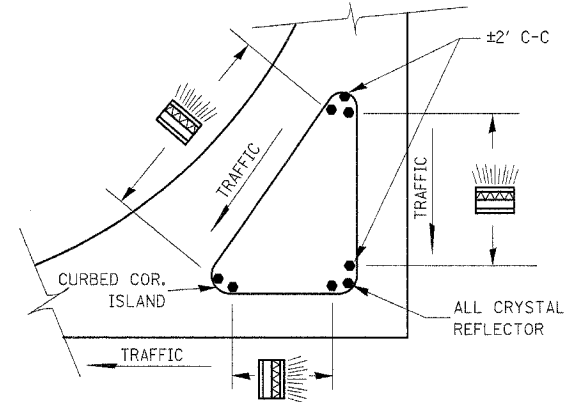
100' TO 149'



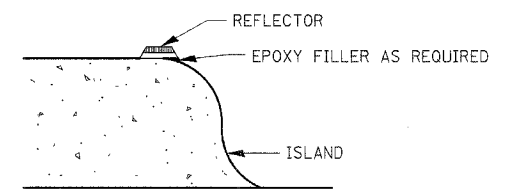
150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

780-10



PRISMATIC REFLECTORS

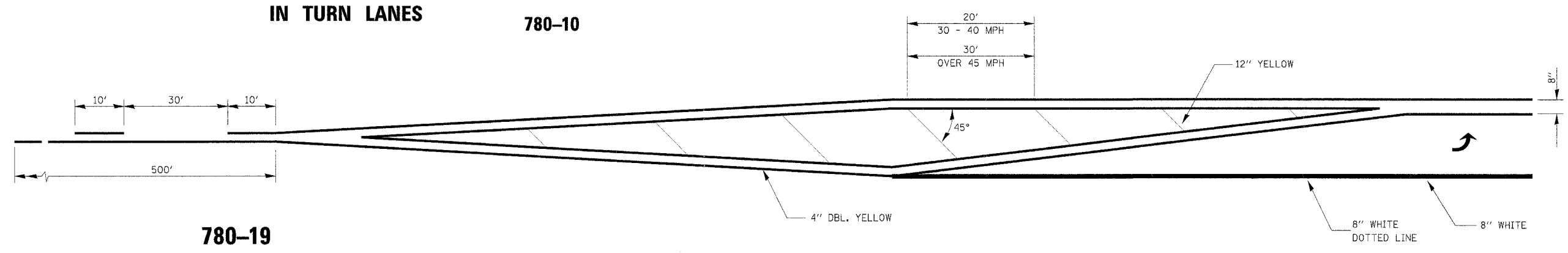


SECTION VIEW

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.

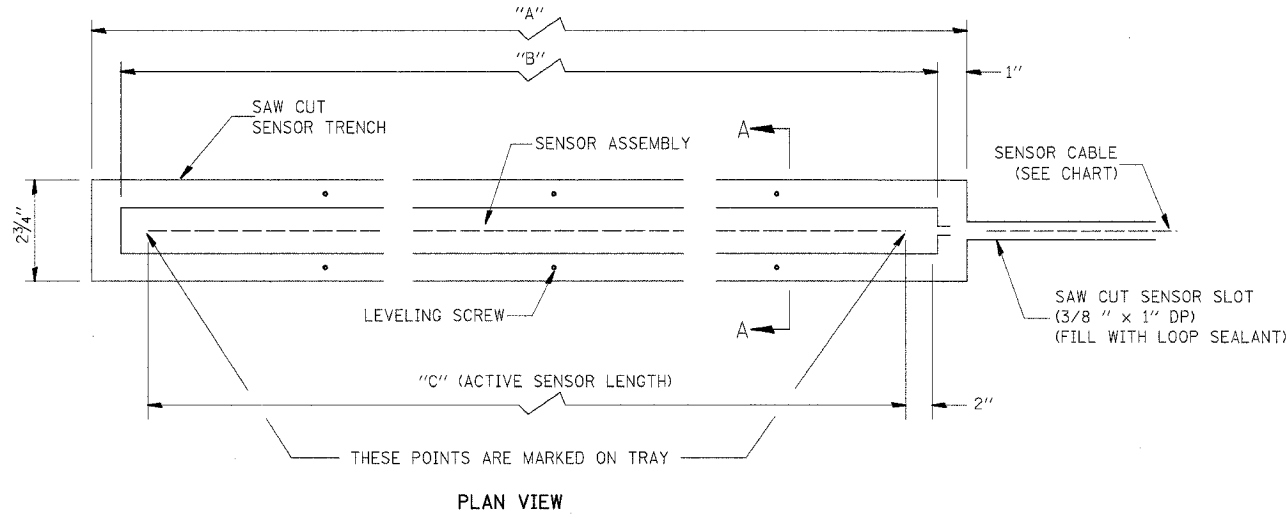


780-19

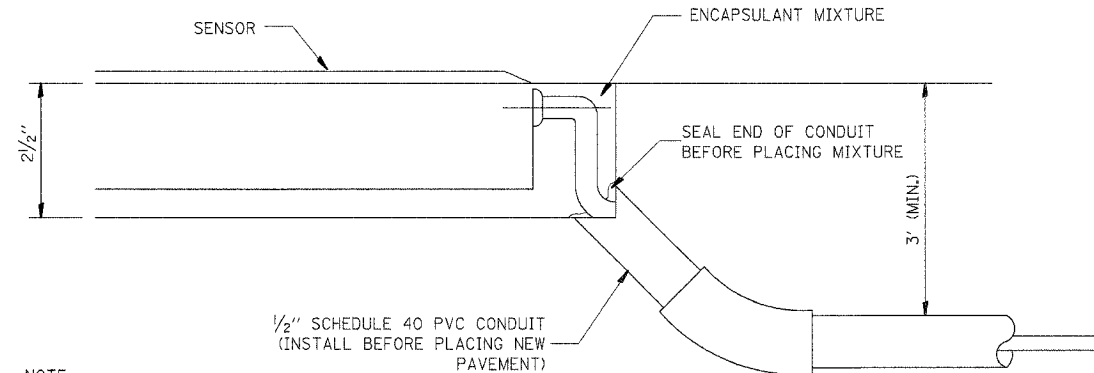
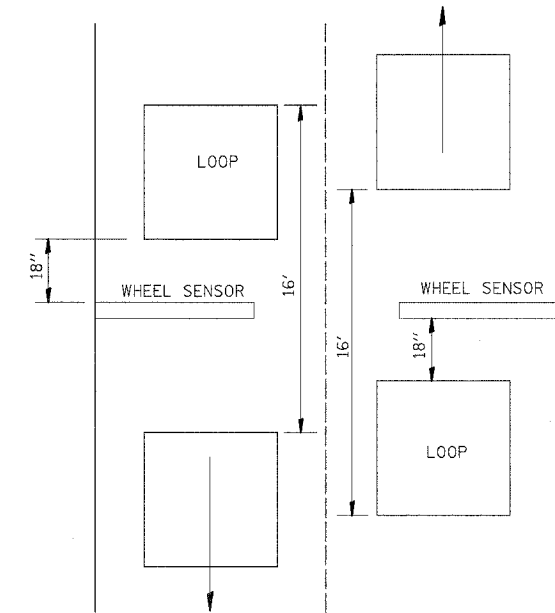
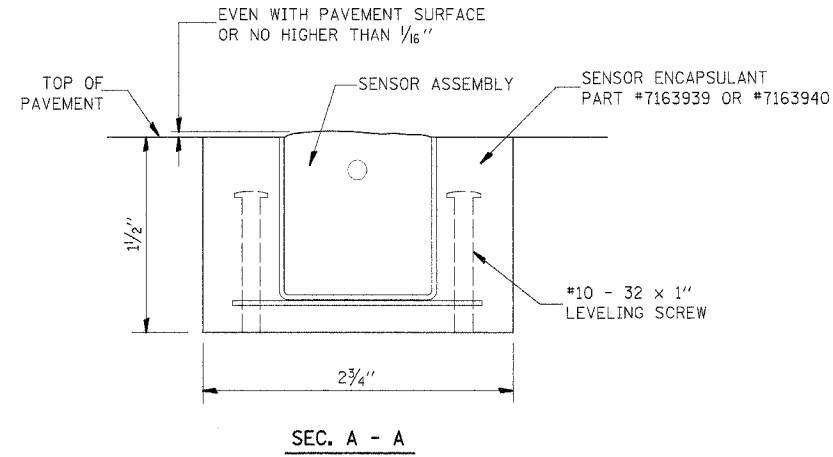
REVISIONS	
NAME	DATE

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	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.



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

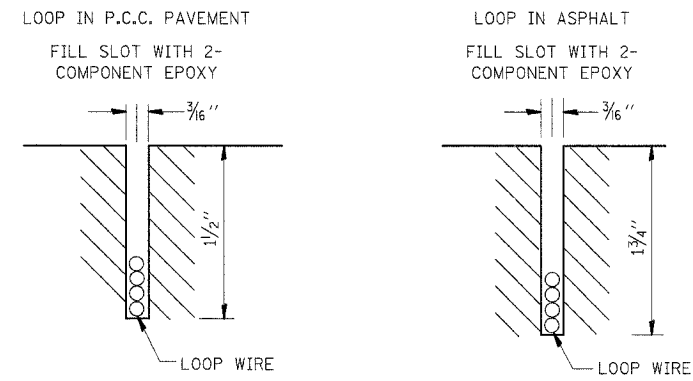
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT DETAILS
 IL ROUTE 47
 GRUNDY COUNTY

SCALE: NTS
 DATE: 09/2007

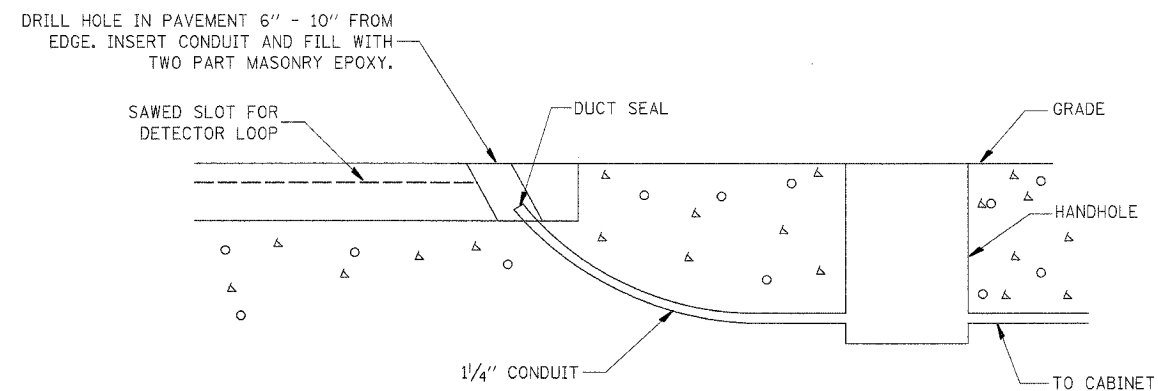
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	63
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

DETECTOR LOOP INSTALLATION



DETECTOR LOOP LEAD-IN DETAIL



886-2

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS
IL ROUTE 47
GRUNDY COUNTY

SCALE: NTS
DATE: 09/2007

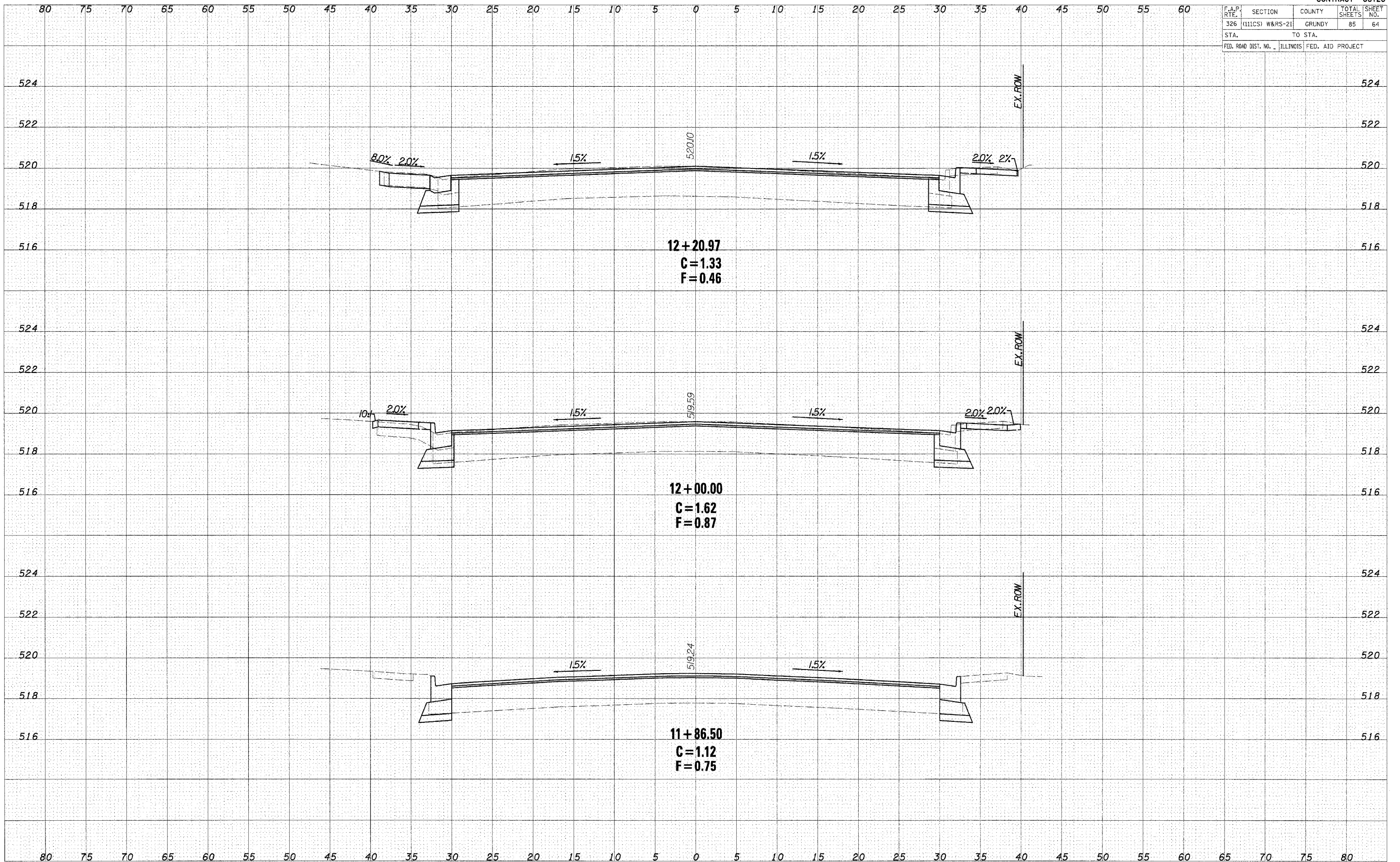
DRAWN BY: KHH
CHECKED BY: FML

IL ROUTE 47 - DISTRICT DETAILS

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

DATE	BY	APPROVED	DATE
		PLOTTED	
		TEMPLATE	
		AREAS	
		CHECKED	
FINAL SURVEY	NO. _____		

DATE	BY	APPROVED	DATE
		PLOTTED	
		TEMPLATE	
		AREAS	
		CHECKED	
ORIGINAL SURVEY	NO. _____		



12+20.97
C = 1.33
F = 0.46

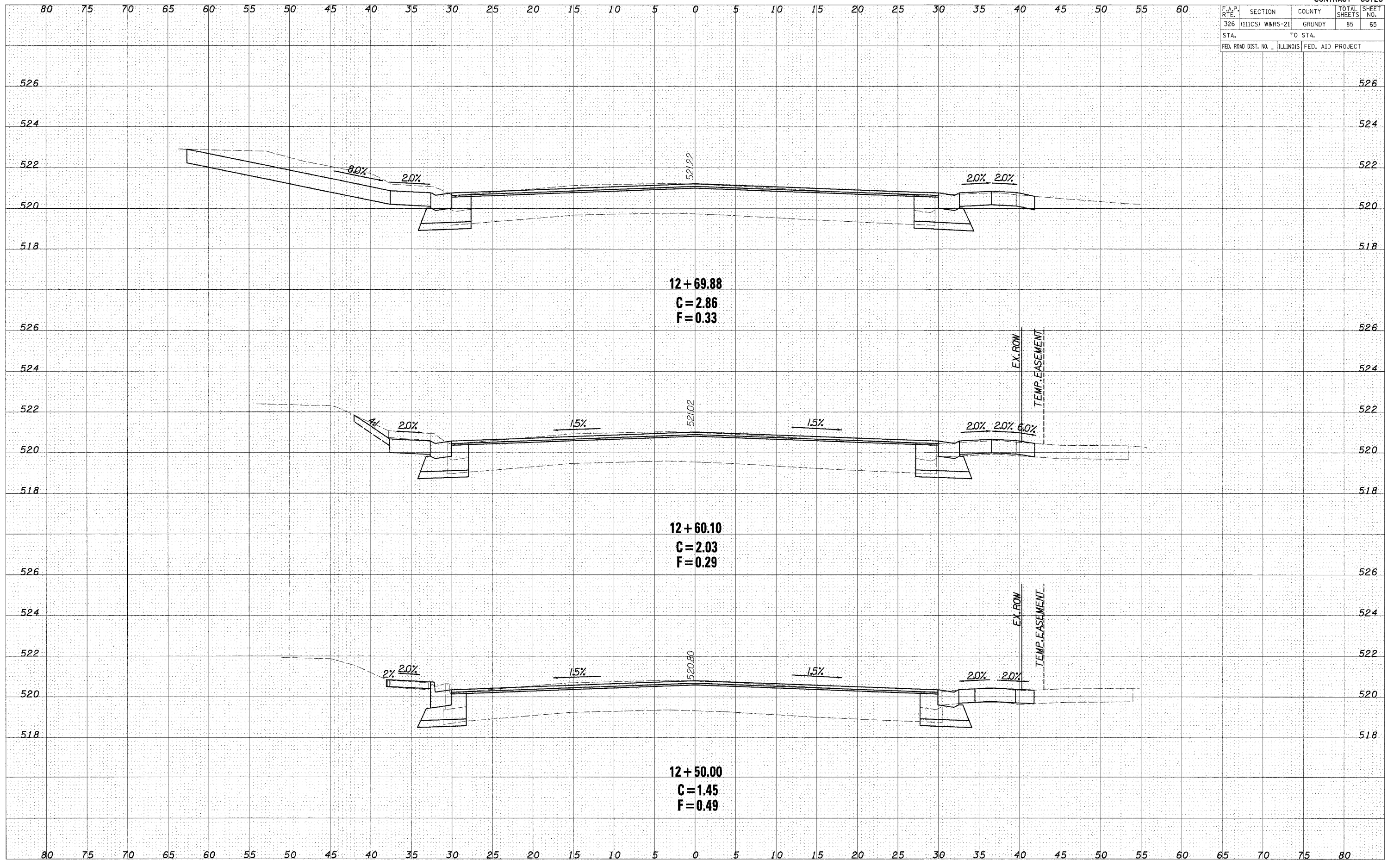
12+00.00
C = 1.62
F = 0.87

11+86.50
C = 1.12
F = 0.75

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

DATE	BY
NO.	NO.

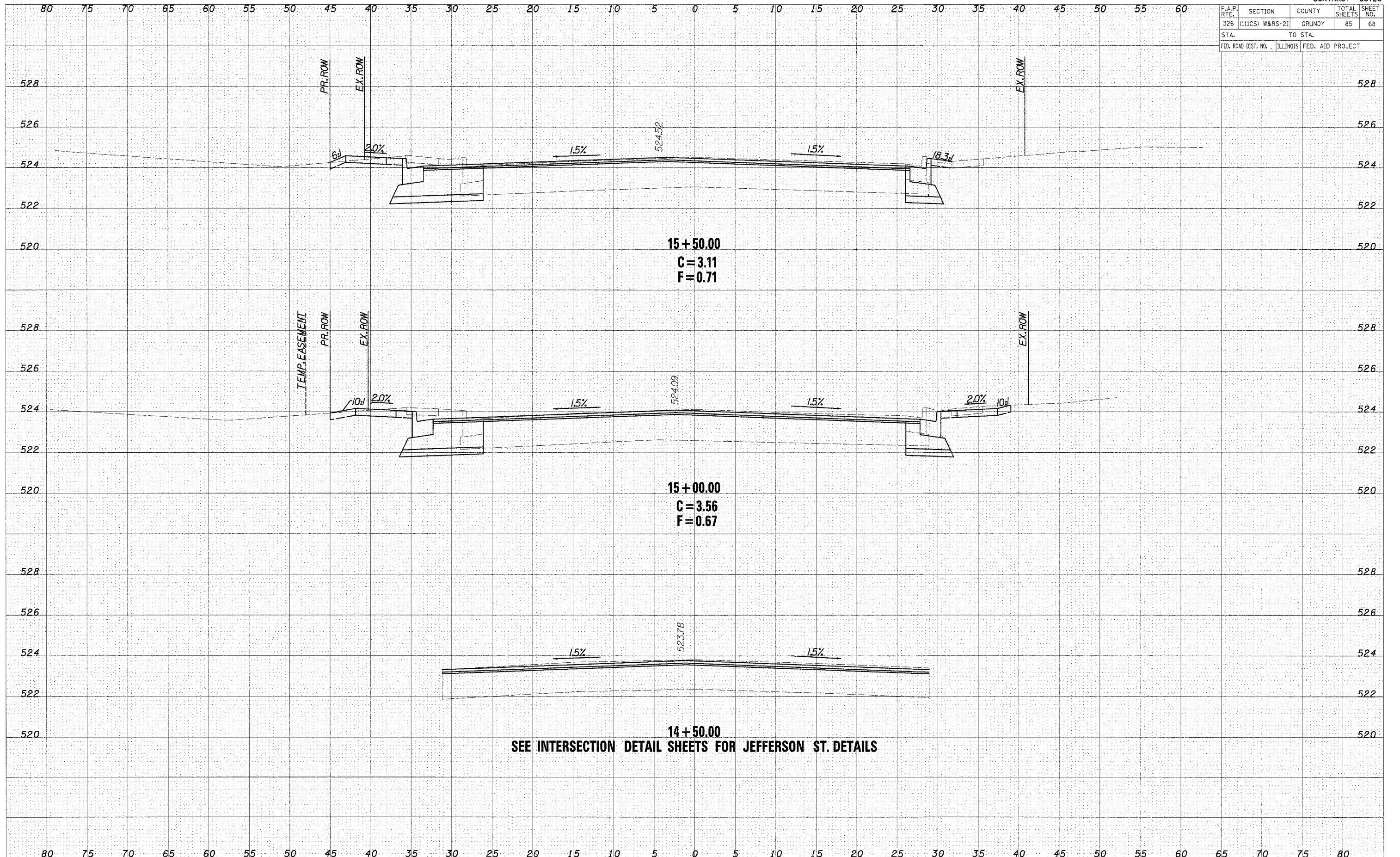
DATE	BY
NO.	NO.



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

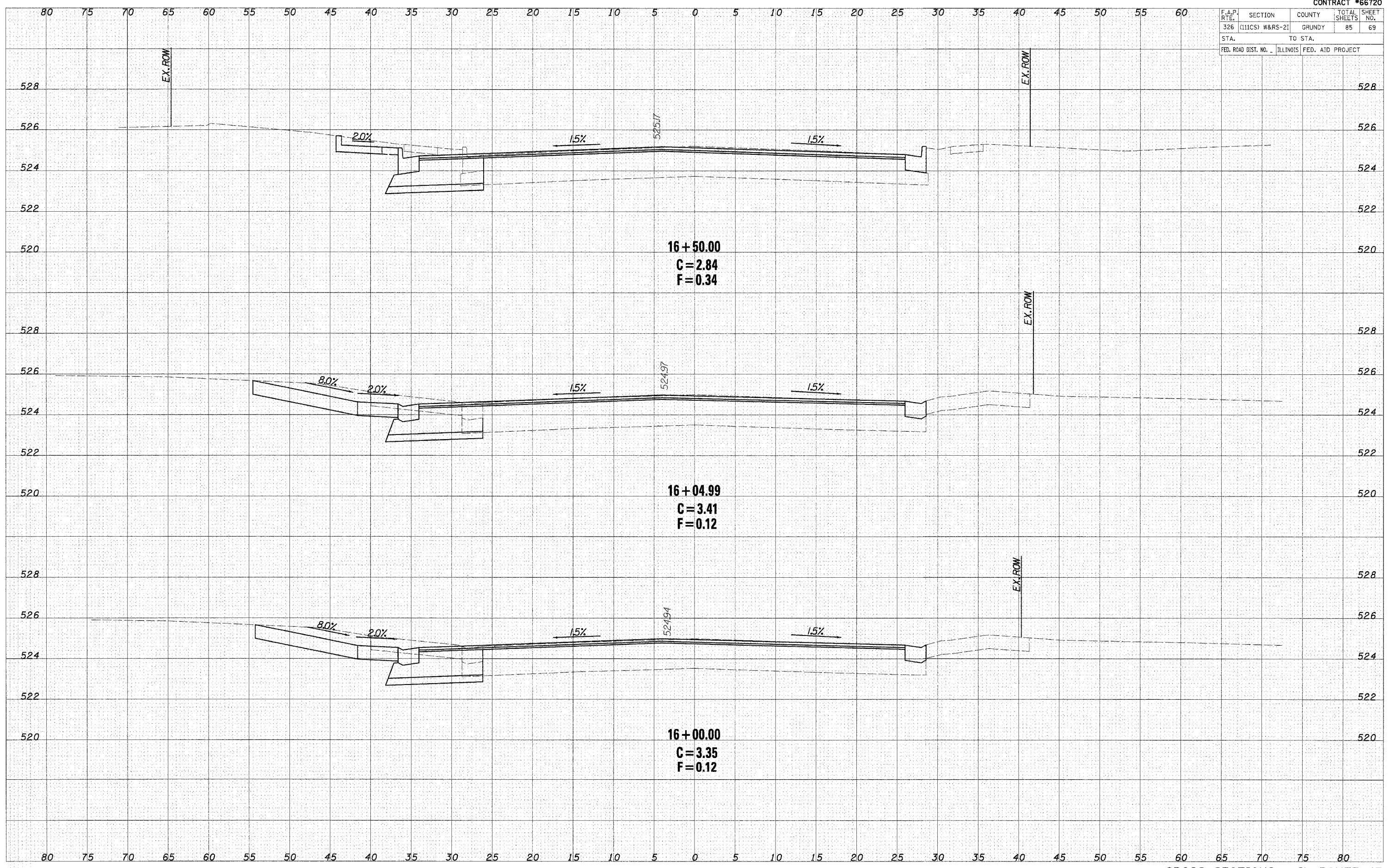


CROSS SECTIONS - IL ROUTE 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	69
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	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	

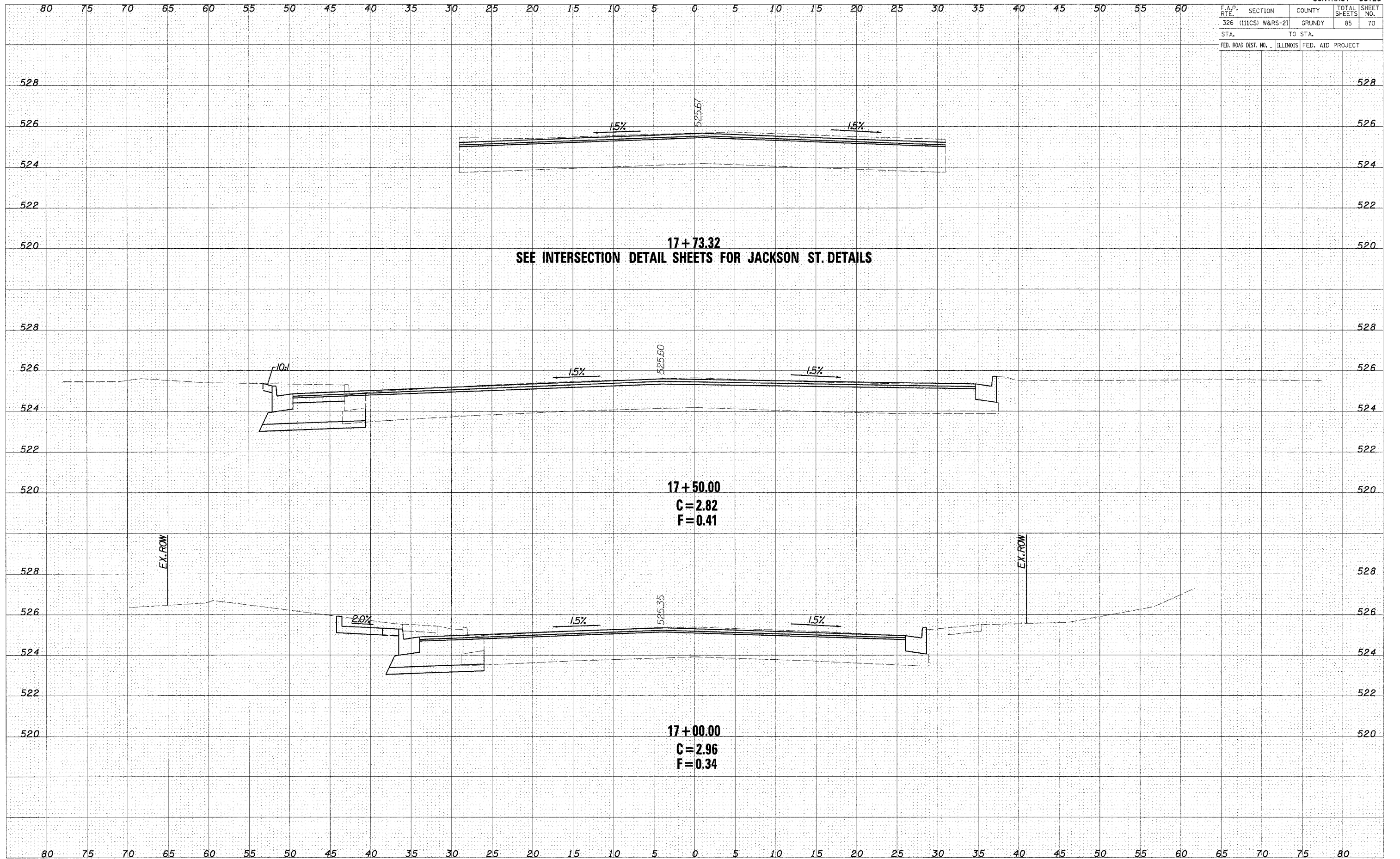


CROSS SECTIONS - IL ROUTE 47

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

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

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



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

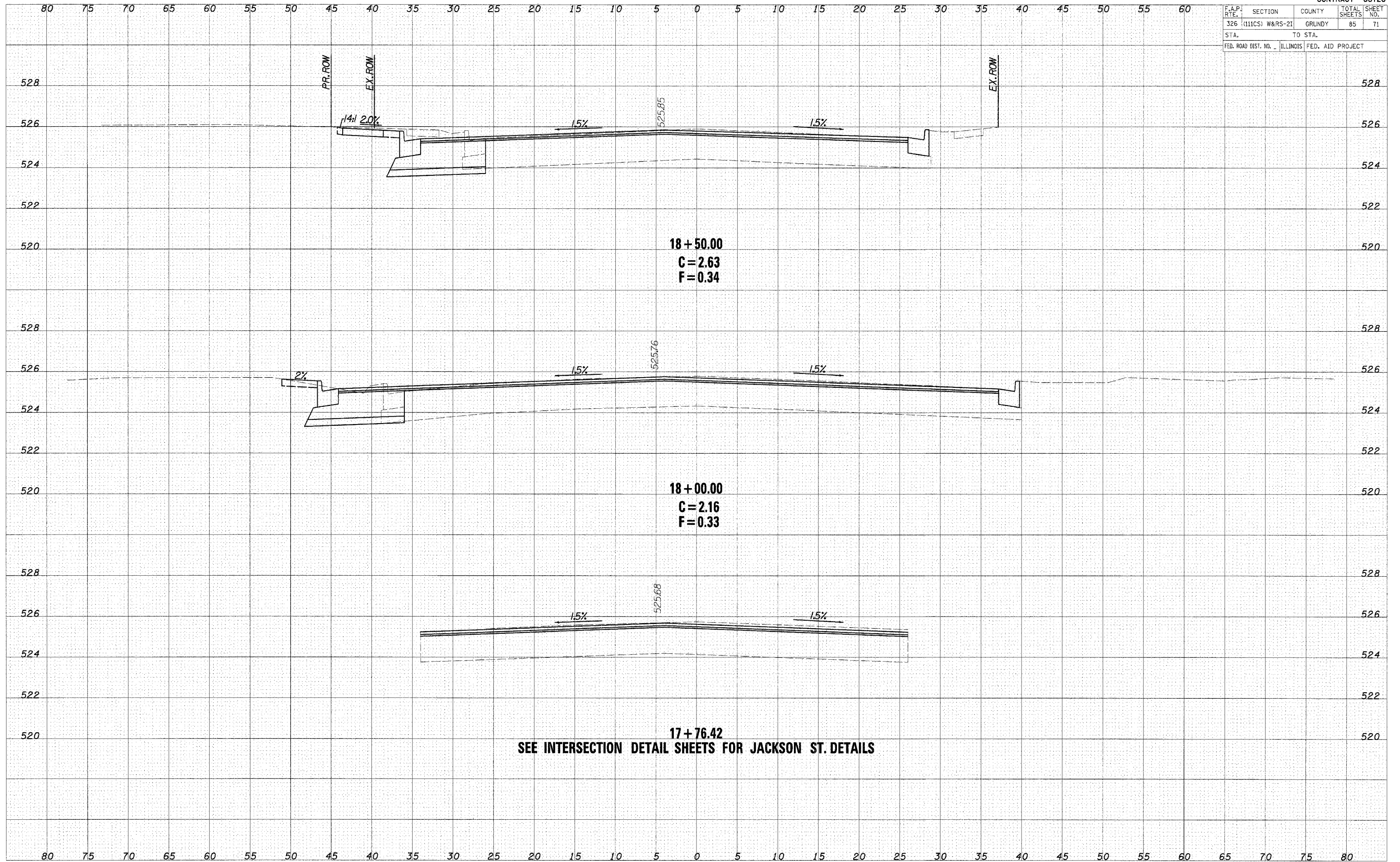
17+50.00
C = 2.82
F = 0.41

17+00.00
C = 2.96
F = 0.34

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

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



18+50.00
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F=0.34

18+00.00
C=2.16
F=0.33

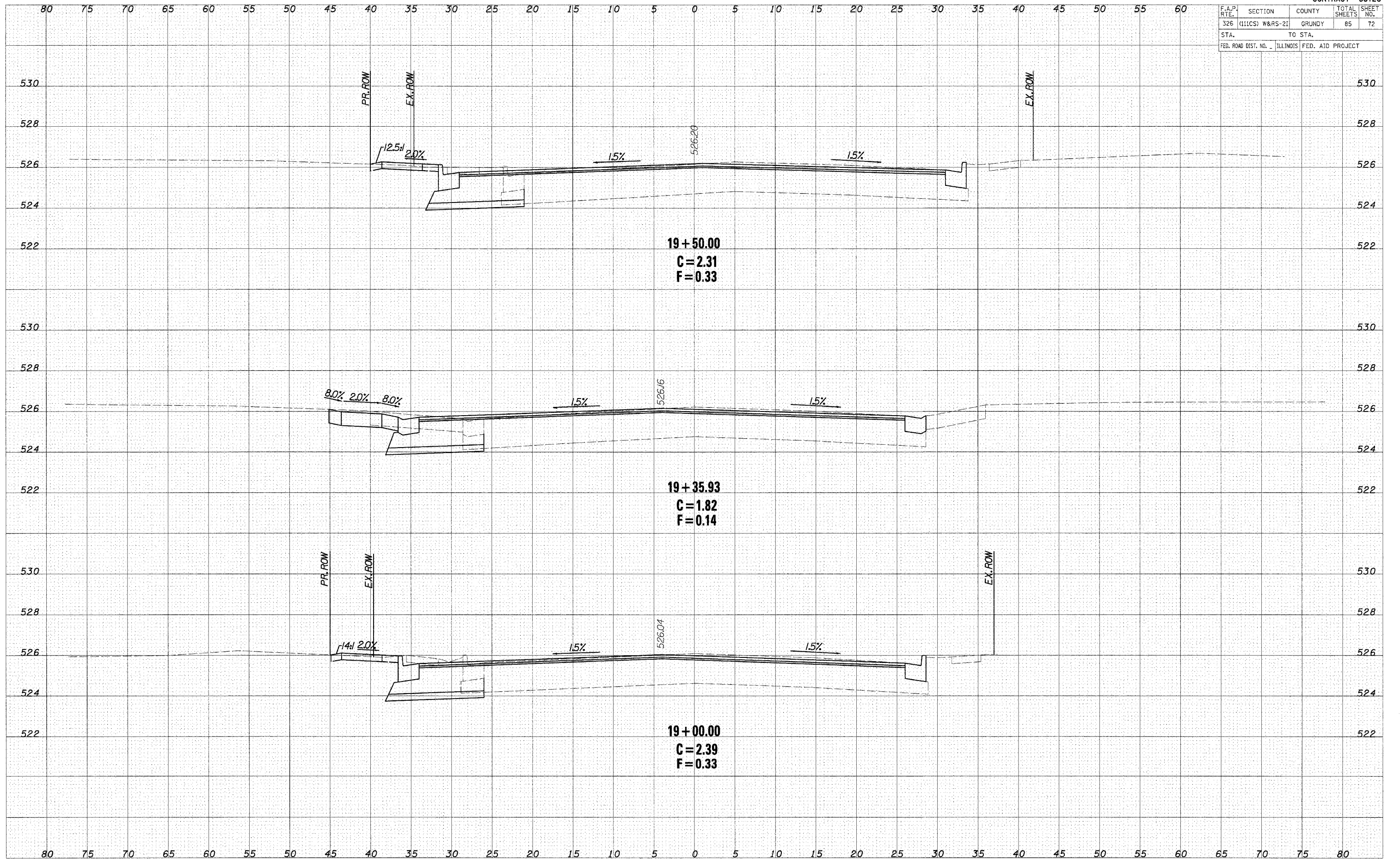
17+76.42

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	
FORWARD	
PLOTTED	
TEMPLATE	
AREAS	
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DATE	
BY	
FORWARD	
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TEMPLATE	
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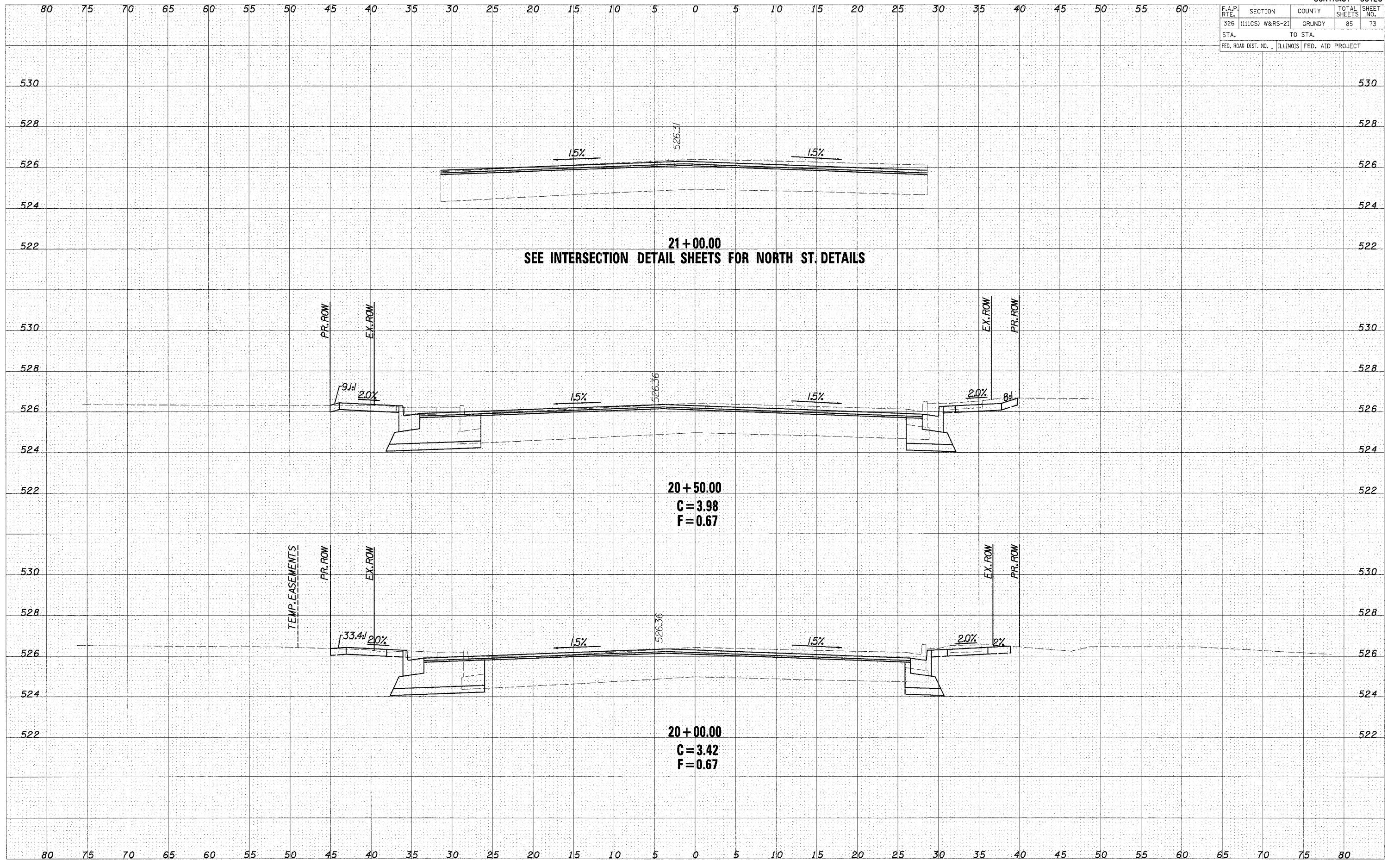


CROSS SECTIONS - IL ROUTE 47

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

DATE	
BY	
NO.	
FINAL SURVEY	REVISIONS
NOTE BOOK	PLOTTED
AREAS CHECKED	AREAS CHECKED

DATE	
BY	
NO.	
ORIGINAL SURVEY	REVISIONS
NOTE BOOK	PLOTTED
AREAS CHECKED	AREAS CHECKED



21+00.00
SEE INTERSECTION DETAIL SHEETS FOR NORTH ST. DETAILS

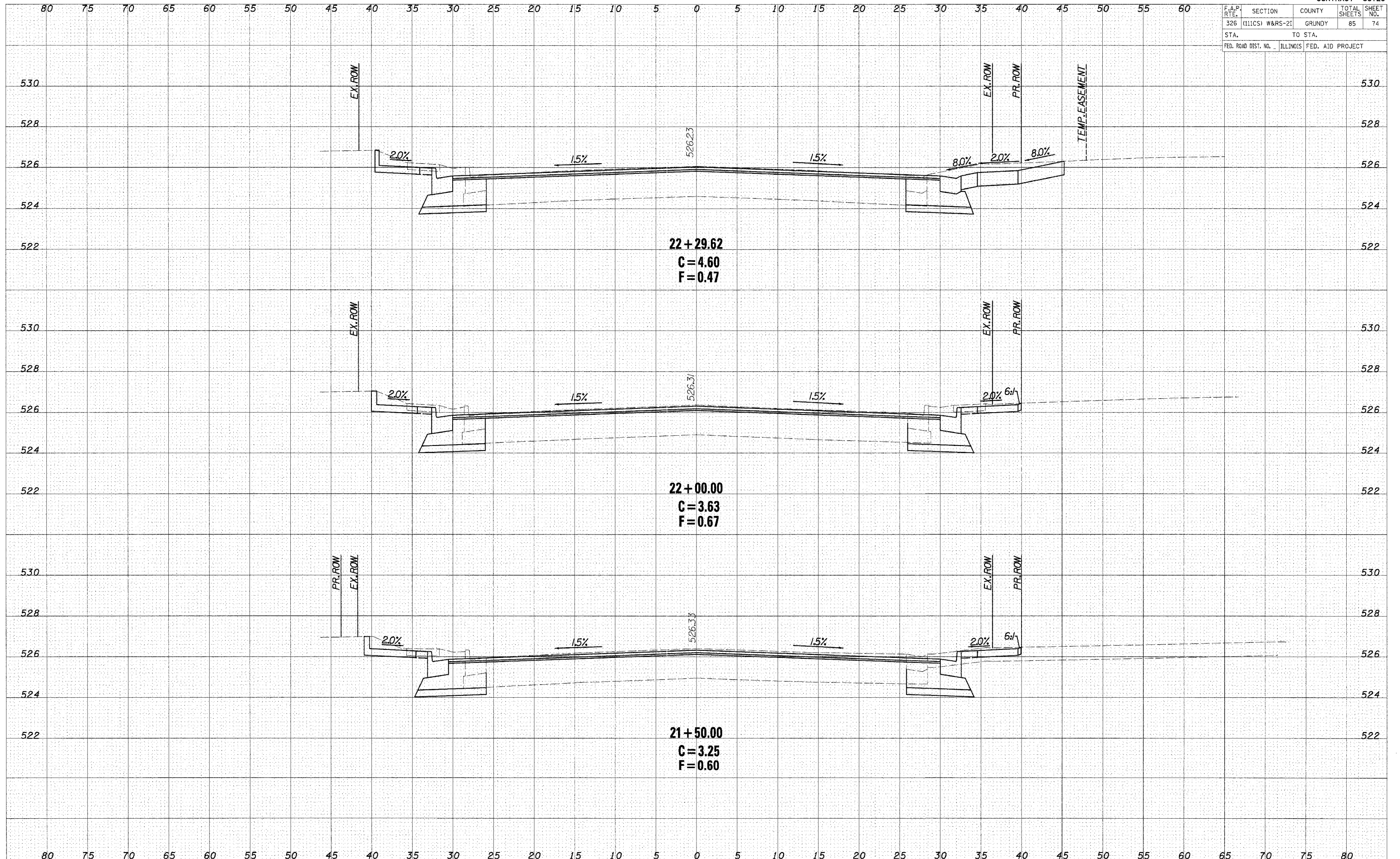
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C = 3.98
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20+00.00
C = 3.42
F = 0.67

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

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



CROSS SECTIONS - IL ROUTE 47

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

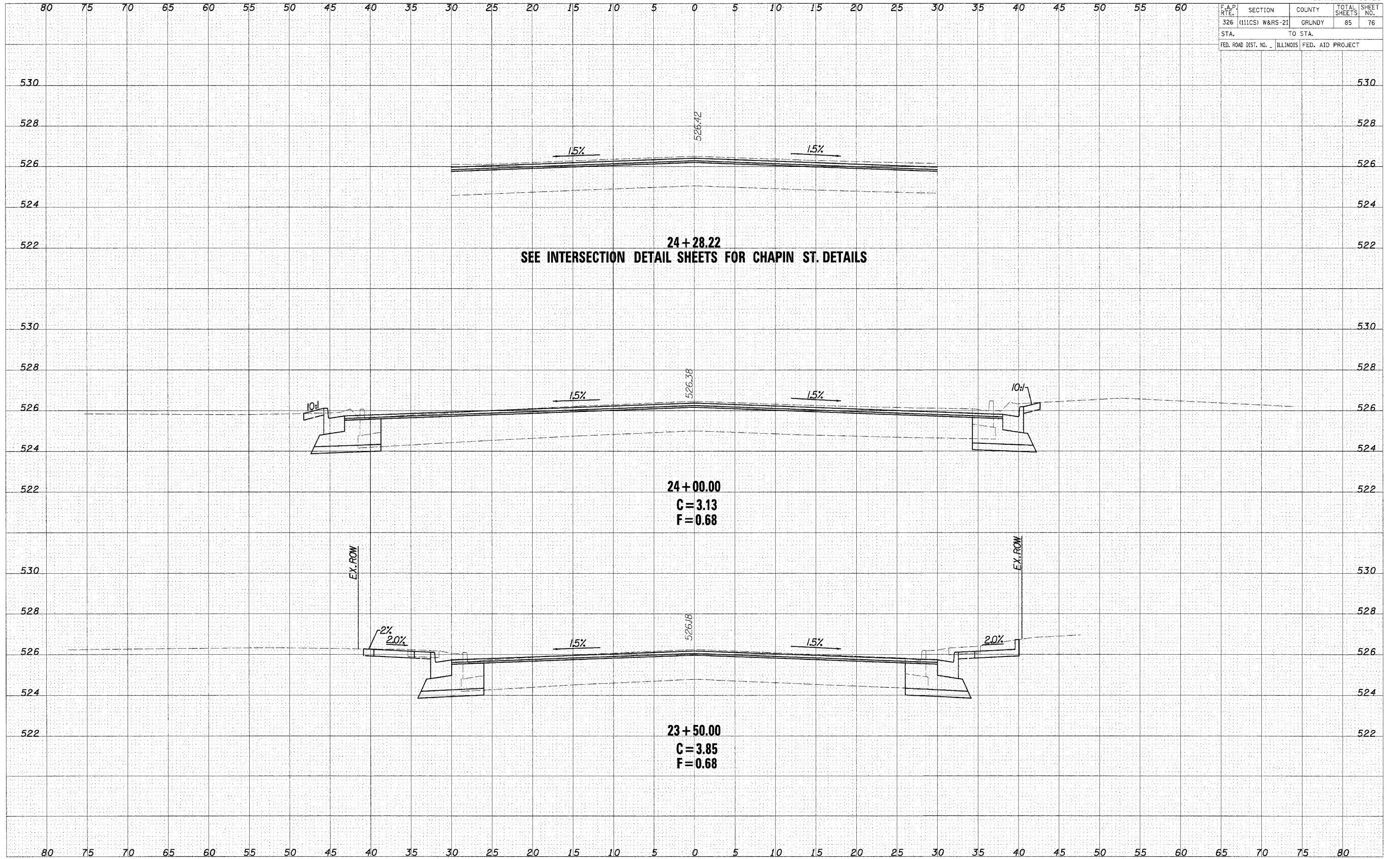
NO.	AREAS CHECKED

NO.	NOTE BOOK

DATE	BY

NO.	AREAS CHECKED

NO.	NOTE BOOK



CROSS SECTIONS - IL ROUTE 47

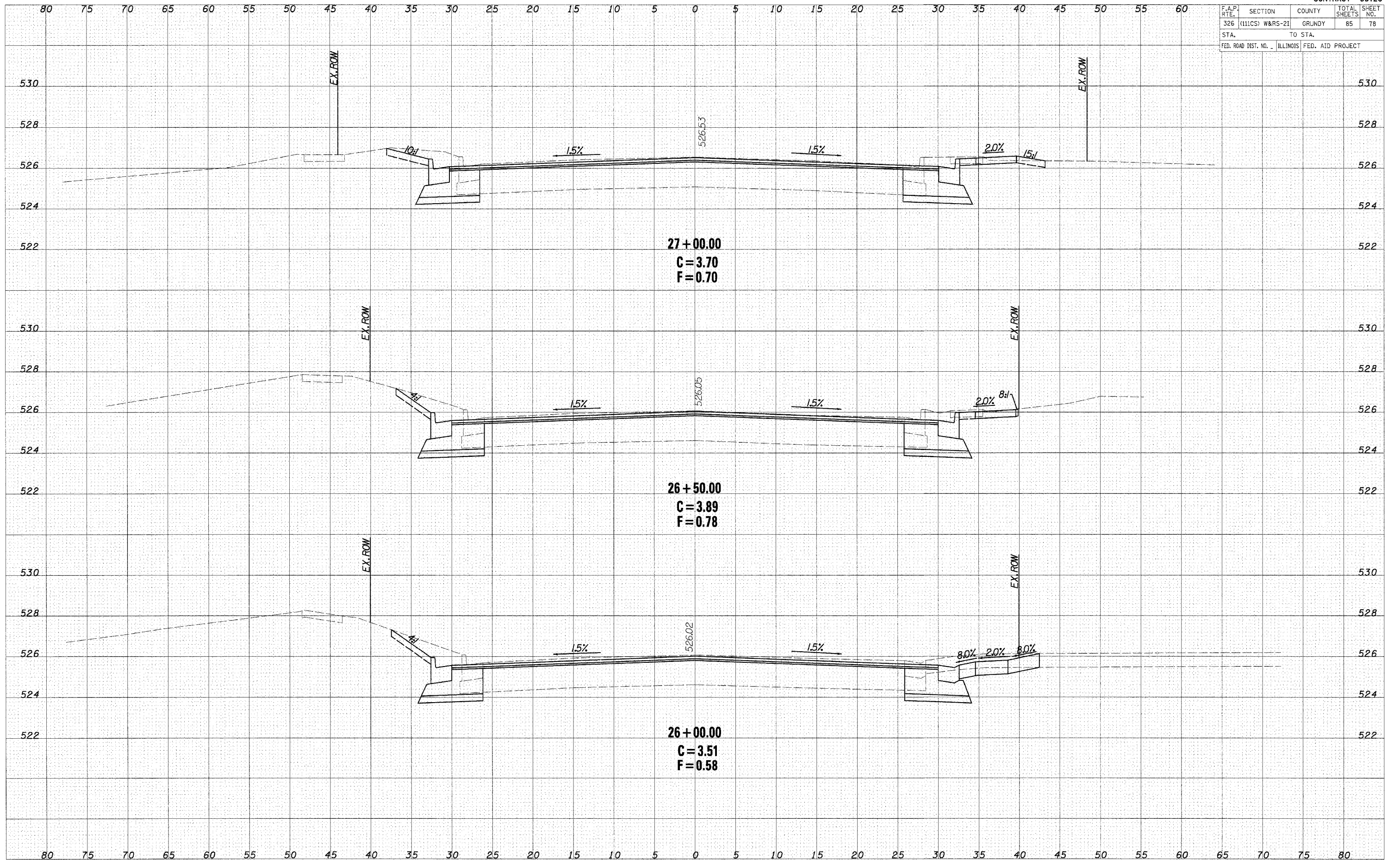
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326	(111CS) W&RS-21	GRUNDY	85	78
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

DATE	BY

FINAL SURVEY NOTE BOOK NO.	COMPILED	PLOTTED	AREAS CHECKED

DATE	BY

ORIGINAL SURVEY NOTE BOOK NO.	COMPILED	PLOTTED	AREAS CHECKED

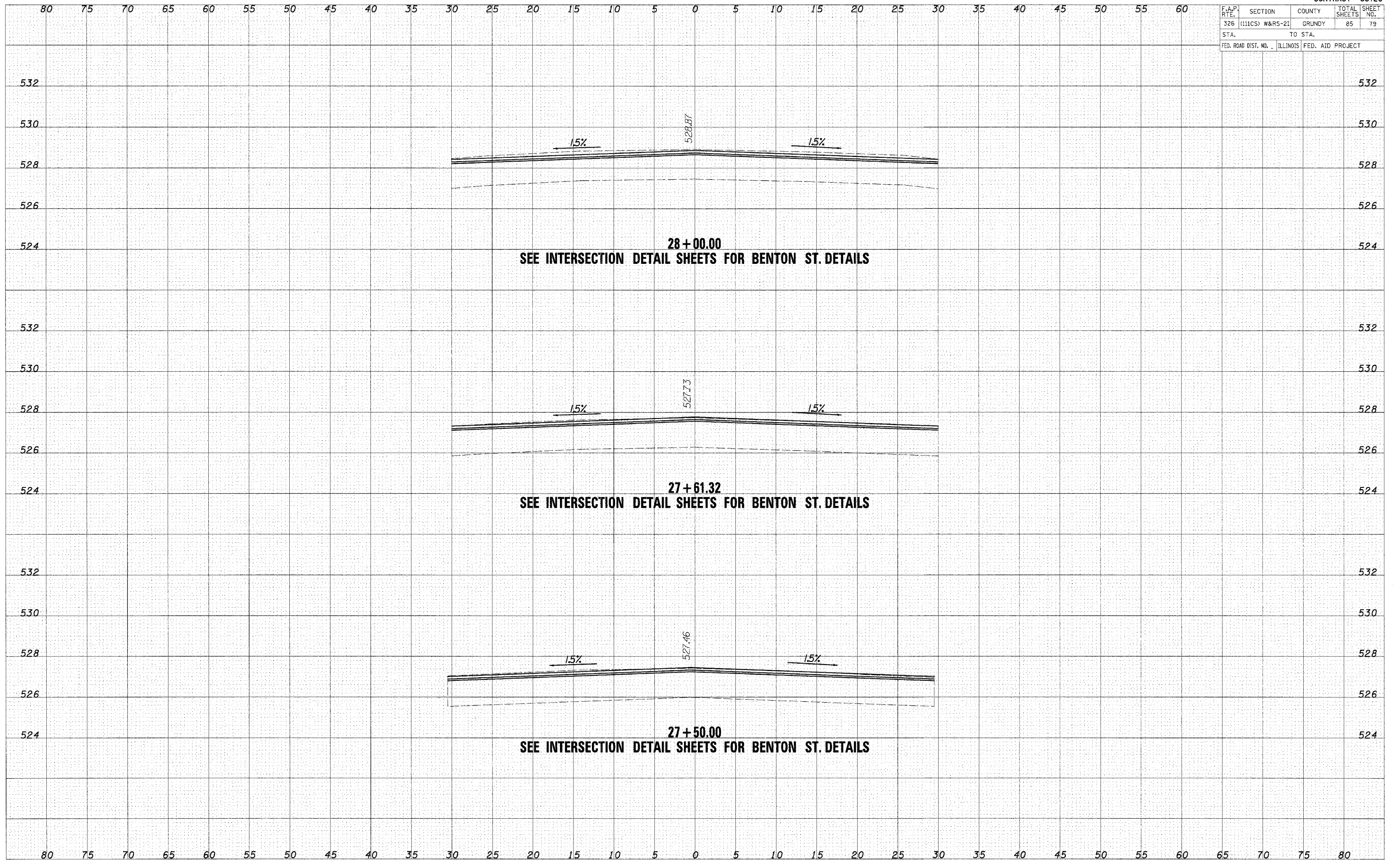


CROSS SECTIONS - IL ROUTE 47

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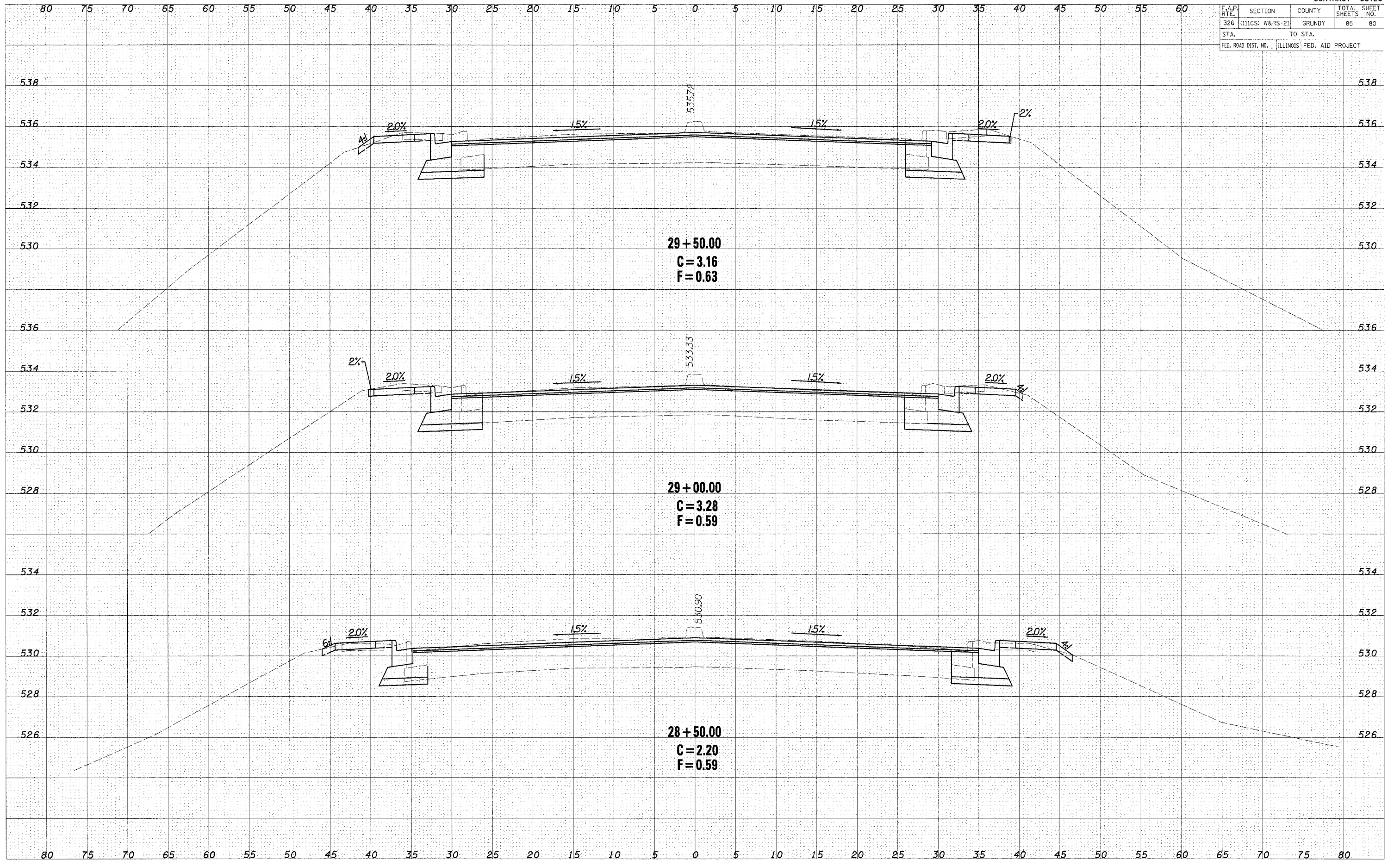
DATE	
BY	
DESIGNED	
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TEMPLATE	
AREAS	
CHECKED	
NO.	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	80
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
NO.	
ORIGINAL SURVEY	
COPIED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
COPIED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

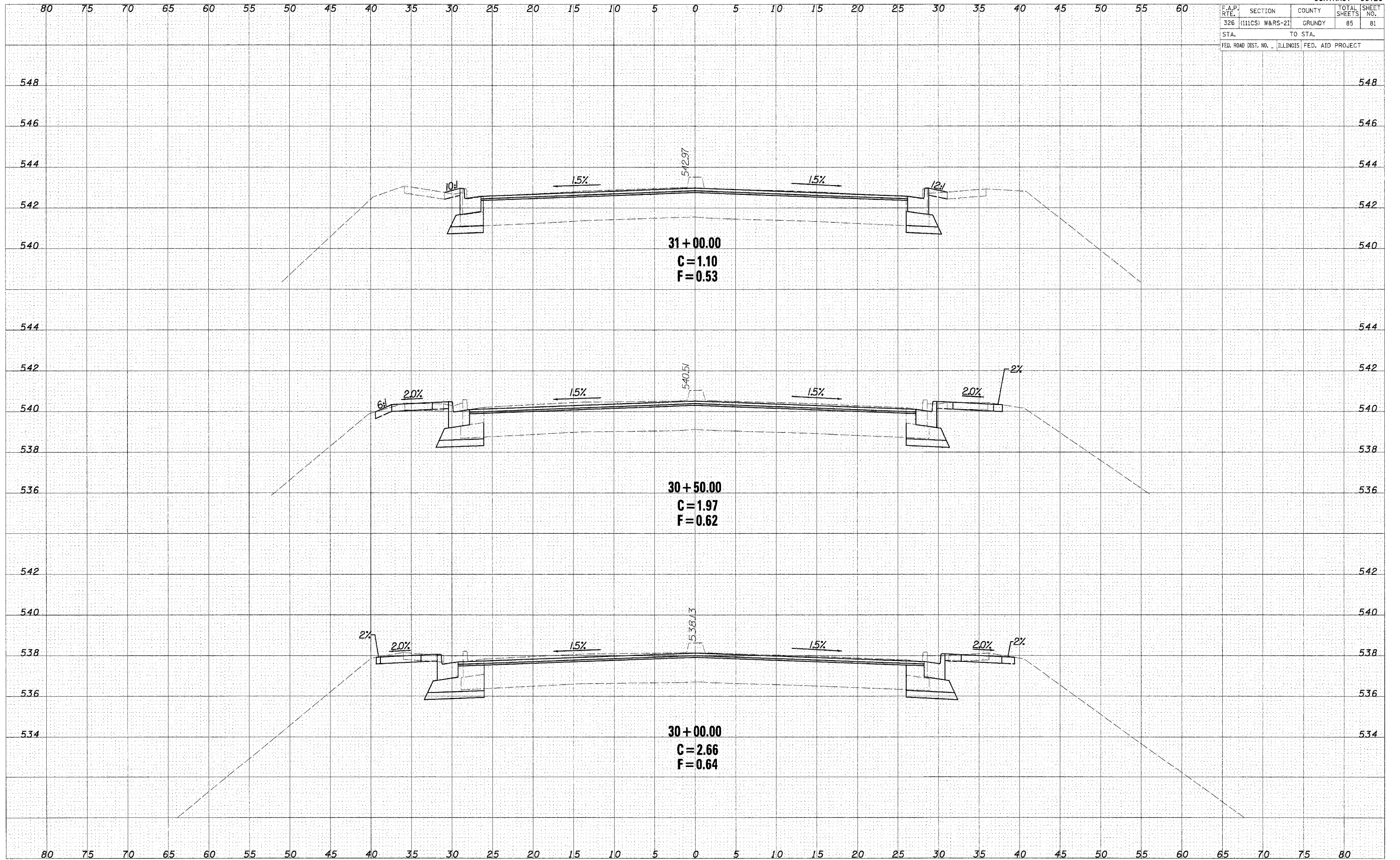


CROSS SECTIONS - IL ROUTE 47

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

DATE	BT
DESIGNED	PLOTTED
TEMPLATE	AREAS CHECKED
NO.	

DATE	BT
DESIGNED	PLOTTED
TEMPLATE	AREAS CHECKED
NO.	



31+00.00
C = 1.10
F = 0.53

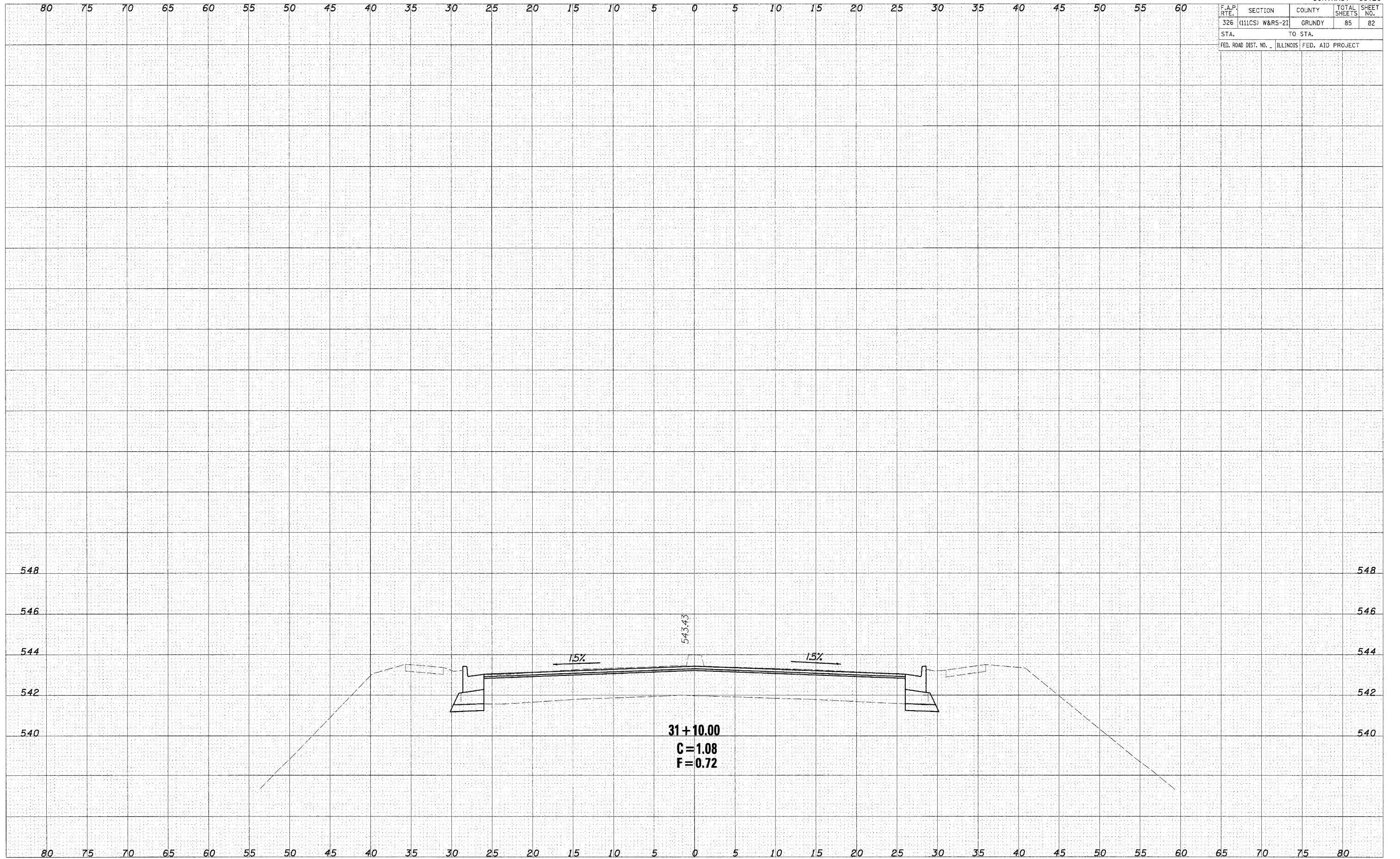
30+50.00
C = 1.97
F = 0.62

30+00.00
C = 2.66
F = 0.64

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	DESIGNED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS	CHECKED

DATE	BY	DESIGNED	PLOTTED
		NOTE BOOK	TEMPLATE
		AREAS	CHECKED



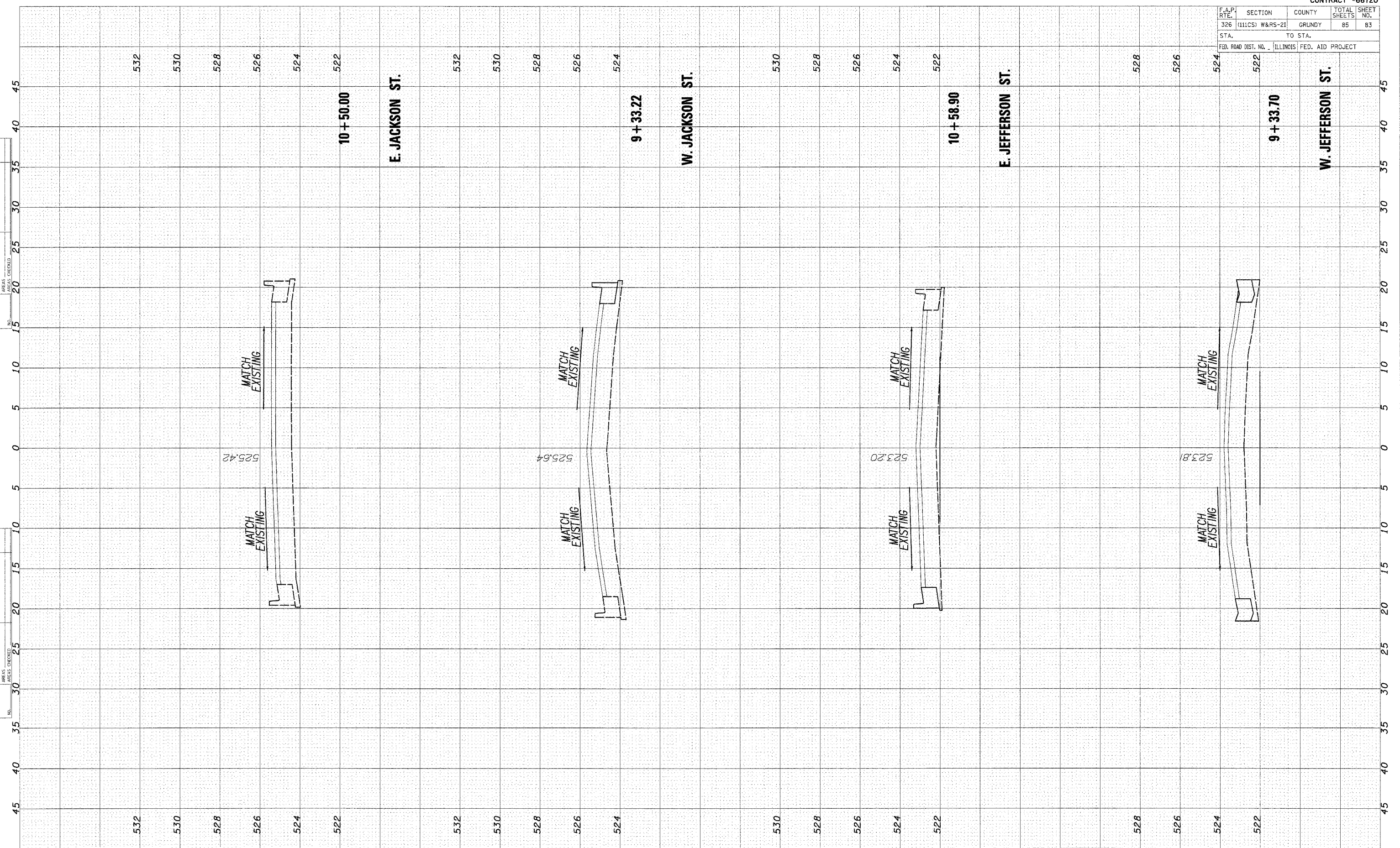
CROSS SECTIONS - IL ROUTE 47

CONTRACT #66720

F.A.P. RY.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-21	GRUNDY	85	83
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

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

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



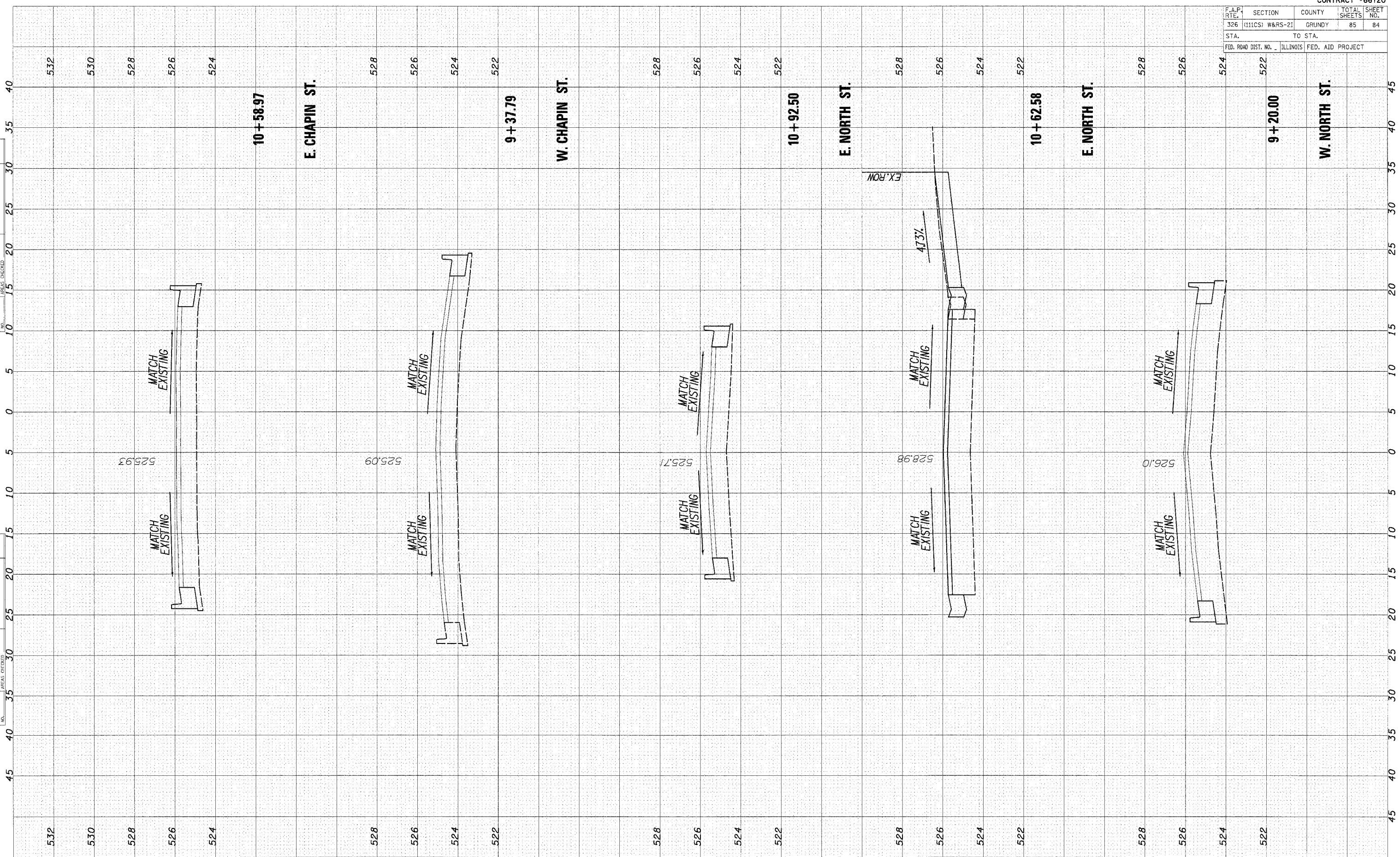
CROSS SECTIONS - JEFFERSON ST./JACKSON ST.

CONTRACT #66720

F.A.P. RTE.	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	NO. _____	DATE _____
BY _____		
NO. _____		
DATE _____		

ORIGINAL SURVEY	NO. _____	DATE _____
BY _____		
NO. _____		
DATE _____		



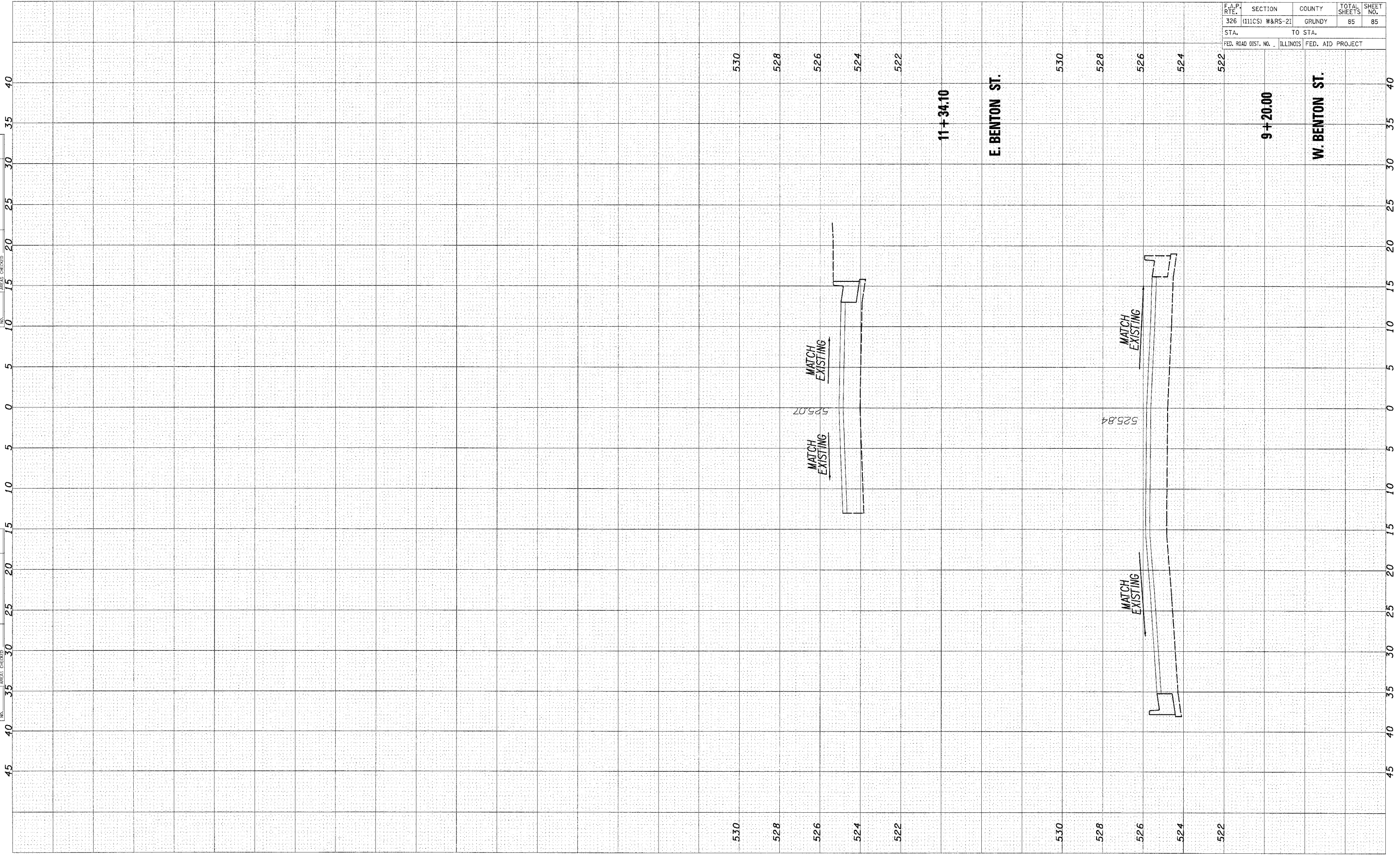
CROSS SECTIONS - NORTH ST./CHAPIN ST.

CONTRACT #66720

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

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

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



CROSS SECTIONS - BENTON ST.