F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
840 (ILL 50)	140W & RS-4	KANKAKEE	95	1
F.H.W.A. REG 7	ILLINOIS	PROJECT	F-840(26)	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

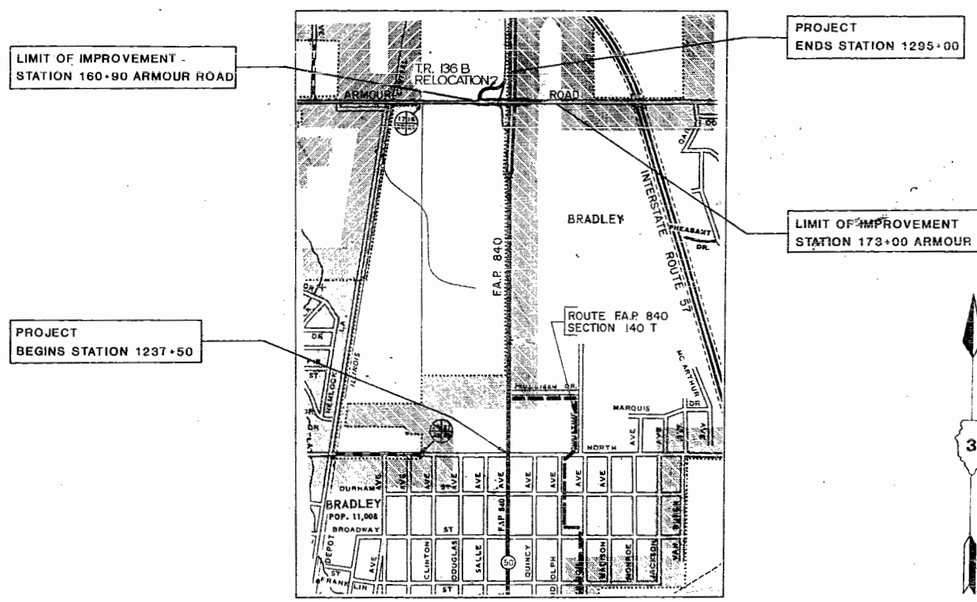
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A. ROUTE 840 (ILLINOIS ROUTE 50)
SECTION 140W & RS-4
PROJECT F-840(26)
KANKAKEE COUNTY

JOB No. C-93-049-86

INDEX OF SHEETS

SEE SHEET NO. 2



LOCATION MAP

SCALE

GROSS LENGTH OF PROJECT : 5750 LIN. FT = 1.089 MILE

NET LENGTH OF PROJECT : 5750 LIN. FT = 1.089 MILE

P-93-032-83

LOCATION OF SECTION INDICATED THUS-

DESIGN DESIGNATION

1987ADT (22,800) AREA SERVICE

PC = 93.9% SU = 3.0% MU = 3.1%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 1/27 19 87 — DISTRICT ENGINEER

EXAMINED 2-20 19 87 — ENGINEER OF PLANS & CONTRACTS

PASSED 2-20 19 87 — ENGINEER OF DESIGN

APPROVED 2-20 19 87 — DIRECTOR DIVISION OF HIGHWAYS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR DATE

10-30-86

10-30-86

Rev. 4-3-87

PRIOR TO EXCAVATION, CALL JOINT UTILITIES LOCATION INFORMATION FOR EXCAVATORS (J.U.L.I.E.) AT 1-800-892-0123

CONTRACT NO. 42437

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 80	4	KANKAKEE	85	2
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

F 140 W & RS-4

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS AND STANDARDS
3 - 4	GENERAL PLAN ALIGNMENT AND TIES
5 - 8	TYPICAL SECTIONS
9 - 11	SUMMARY OF QUANTITIES
12	GENERAL NOTES
13 - 19	SCHEDULE OF QUANTITIES
20 - 22	DETAILS
23 - 31	PLAN AND PROFILES
32 - 48	CONSTRUCTION DETAILS
49	MAINTENANCE OF TRAFFIC
50	PAVEMENT GEOMETRICS
51	ELECTRICAL NOTES, SYMBOLS, AND QUANTITIES
52 - 53	GUARD HOUSE DETAILS
54	LIGHT POLE FOUNDATION DETAILS
55 - 59	SIGNAL PLANS
60 - 62	PAVEMENT MARKINGS
63 - 85	CROSS SECTIONS

STATE STANDARDS INCLUDED

1514-9	CATCH BASINS, TYPE A AND B
1527-9	MANHOLE, TYPE A
1683-4	INLET, TYPE A
1686-4	SYMBOLS AND ABBREVIATIONS
1744-4	RIGHT-OF-WAY MARKERS
2116-2	PATCHING DETAILS (P.C.C.)
2122-12	CONCRETE MEDIANS
2130-9	CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER
2135	PERMANENT SURVEY MARKERS
2168-11	CHAIN LINK FENCE
2213-4	FRAME AND LIDS, TYPE 1
2214-4	FRAME AND GRATES, TYPE 3
2216-3	GRATE, TYPE 7
2217-3	GRATE, TYPE 8
2226-4	BASE, FRAME AND LIDS, TYPE 5
2239-7	WIDENING AND SHOULDERS FOR PAVEMENT RESURFACING
2258-3	PAVED DITCH, TYPE A AND TYPE B
2262-4	REINFORCED CONCRETE PIPE ELBOW AND PRECAST REINFORCED CONCRETE FLARED END SECTION
2298-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
2299-10	DESIGN OF TRAFFIC CONTROL DEVICES
2300-3	FLAGMAN TRAFFIC CONTROL SIGN
2306-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES RURAL, MOVING OPERATION DAY
2307-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES SHORT-TIME OPERATION, DAY OR NIGHT
2308-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (CASE VIII) RURAL, MOVING OPERATION, MULTILANE DIVIDED, DAY
2314-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES MULTILANE DIVIDED AND UNDIVIDED, RURAL, DAY OR NIGHT
2316-10	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES MULTILANE DIVIDED AND UNDIVIDED, RURAL, OVER ONE DAY
2419	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES MULTILANE DIVIDED AND UNDIVIDED, RURAL, DAY OR NIGHT OPERATIONS
2323-8	PAVEMENT JOINTS
2327-9	SUB SURFACE DRAINS
2349	INLET, TYPE B
2354-1	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
2356	SIDEWALK RAMPS FOR THE HANDICAPPED
2359-2	WIDENING AND SHOULDERS FOR PAVEMENT RESURFACING (WITH AGGREGATE SHOULDERS)
2368	DETAILS OF CONCRETE AND MORTAR HANDHOLES
2369	DETAILS OF DOUBLE HANDHOLES AND JUNCTION BOXES
2370-1	DETAILS OF DETECTOR INSTALLATIONS
2371-1	DETAILS OF MOUNTING TRAFFIC SIGNALS
2373	DETAILS OF SERVICE INSTALLATIONS
2374-1	DETAILS OF STEEL MAST ARM ASSEMBLY AND POLE
2378-1	DETAILS OF CONCRETE FOUNDATIONS
2379	GRATING FOR CONCRETE FLARED END SECTION (42", 48" AND 54" PIPE)
2380-2	MAST ARM MOUNTED STREET NAME SIGNS
2381	TEMPORARY EROSION CONTROL SYSTEMS
2393	STANDARD SEQUENCE FOR TRAFFIC ACTUATED CONTROLLERS
2394	TYPICAL LAYOUT FOR DETECTOR LOOPS
2395	MANHOLE, TYPE A, 6 FOOT DIAMETER
2396	TYPICAL PAVEMENT MARKINGS
2397	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
BLR21-1	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES TWO LANE, TWO-WAY, RURAL, OVER ONE DAY
U2	BASIC APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS
U5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES HIGHWAY CONSTRUCTION AND CONTRACT MAINTENANCE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Andrew Sviha
DATE: January 27, 1987
EXAMINED BY: Jack J. Hecht
DISTRICT ENGINEER OF CONSTRUCTION
Ralph M. Martin
DISTRICT ENGINEER OF MAINTENANCE
Edward M. Vaughn
DISTRICT ENGINEER OF MATERIALS
Earl R. Wilson
DISTRICT ENGINEER OF TRAFFIC
Roy Jones
DISTRICT ENGINEER OF PLANNING

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

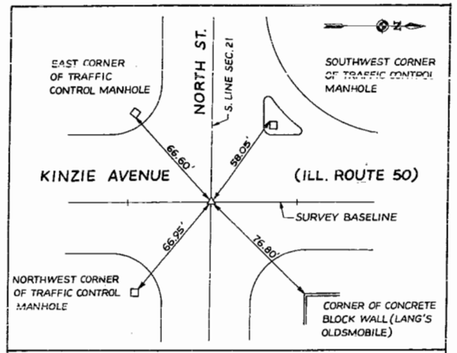
INDEX OF SHEETS

DATE 10-30-86
CHECKED BY GAB

Rev. 4-3-87

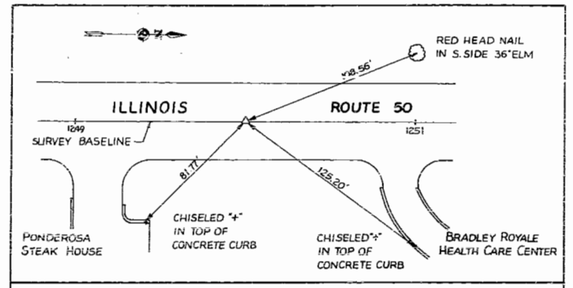
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	3
STA. 1236 + 00		TO STA. 1267 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS - 4



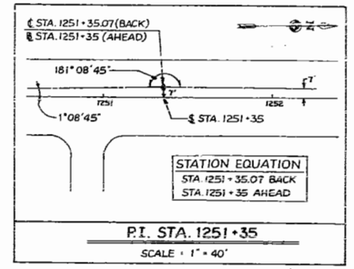
PK. NAIL @ P.I. STA. 1236+49.24

SCALE : 1" = 40'



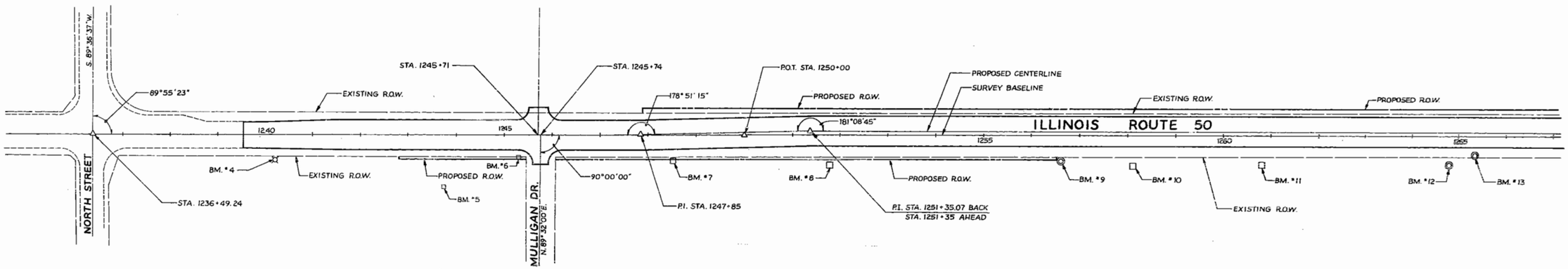
P.K. NAIL P.O.T. STA. 1250+00

SCALE : 1" = 40'



P.I. STA. 1251+35

SCALE : 1" = 40'



BENCHMARK NO. 4
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER CONCRETE LIGHT FOUNDATION ON THE WEST SIDE LANG'S OLDSMOBILE PARKING LOT ; 49' RT. STA. 1240+21
ELEV. 652.74

BENCHMARK NO. 5
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER CONCRETE WALK, WEST SIDE OF DONNA'S YOUNG TOWNE & SOUTH DRIVE ; 103' RT. STA. 1243+70
ELEV. 654.38

BENCHMARK NO. 6
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER CONCRETE PAD FOR TRAFFIC CONTROL BOX ; S.E. CORNER MULLIGAN DR/ILL. RTE 50 ; 40' RT. STA. 1245+30
ELEV. 654.30

BENCHMARK NO. 7
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER OF CONCRETE FOOTING FOR SIGN FOR PONDEROSA STEAK HOUSE ; 50' RT. STA. 1248+50
ELEV. 654.11

BENCHMARK NO. 8
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER STONE PLANTER, BRADLEY ROYALE SIGN ; 60' RT. STA. 1251+80
ELEV. 656.12

BENCHMARK NO. 9
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER CONCRETE MANHOLE PAD @ S.W. CORNER OF HOLIDAY INN PARKING LOT ENTRANCE ; 50' RT. STA. 1256+60
ELEV. 656.55

BENCHMARK NO. 10
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER OF THE CONCRETE PLANTER WALL OF HOLIDAY INN SIGN ; 60' RT. STA. 1258+10
ELEV. 658.34

BENCHMARK NO. 11
CHISELED "□" IN TOP OF THE SOUTHWEST CORNER CONCRETE FOOTING FOR SUNOCO SIGN 60' RT. STA. 1260+80
ELEV. 659.37

BENCHMARK NO. 12
TOP WEST EDGE OF STEEL FRAME OF SANITARY SEWER MANHOLE @ 60' RT. STA. 1264+80
ELEV. 658.71

BENCHMARK NO. 13
TOP WEST EDGE STEEL OUTER FRAME OF ILLINOIS BELL TELEPHONE MANHOLE @ 40' RT. STA. 1265+34
ELEV. 657.84

1" = 100' scale — 100 0 100 200 feet

DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
ALIGNMENT AND TIES
ROUTE 50

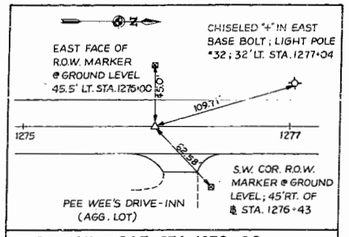
DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	4
STA. 1267+00 ILL. 50 / 160+00 ARMOUR		TO STA. 1298+00 ILL. 50 / 173+00 ARMOUR RD.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

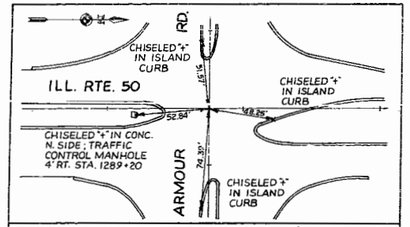
* 140 W & R5-4

1" = 100 (scale) 100 0 100 200 (feet)



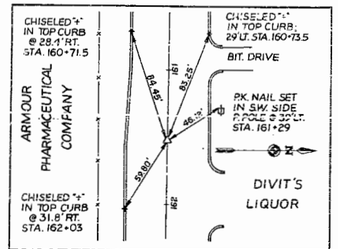
PK. NAIL @ P.O.T. STA. 1276+00

SCALE : 1" = 50'



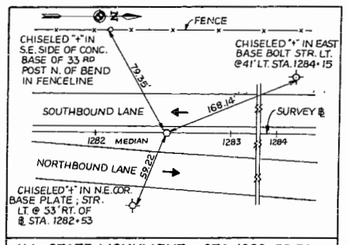
CHISELED "+" P.O.T. STA. 1289+75.01 (ILL. RTE. 50)
P.O.T. STA. 166+57.71 (ARMOUR RD.)

SCALE : 1" = 50'



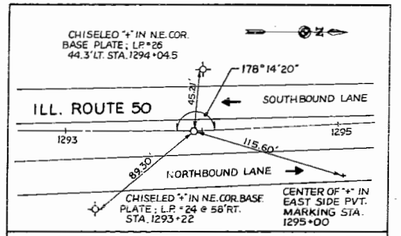
CHISELED "+" P.I. STA. 161+53.12 (ARMOUR RD)
= P.I. STA. 210+00.00 (BASELINE)

SCALE : 1" = 50'



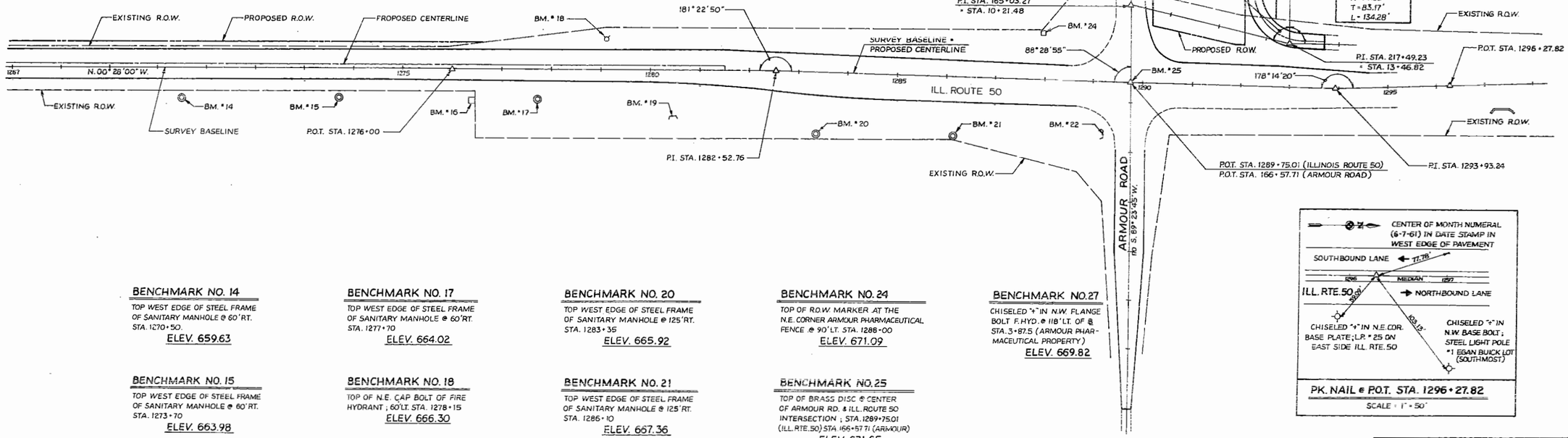
ILL. STATE MONUMENT @ STA. 1282+52.76

SCALE : 1" = 50'



ILL. STATE MONUMENT @ STA. 1293+93.24

SCALE : 1" = 50'



CURVE DATA
P.I. STA. 204+20.98
Δ = 44°16'12"
D = 19°00'00"
R = 301.56'
T = 122.66'
L = 233.00'

CURVE DATA
P.I. STA. 207+58.42
Δ = 27°49'55"
D = 19°00'00"
R = 301.56'
T = 74.72'
L = 146.48'

CURVE DATA
P.I. STA. 212+62.28
Δ = 91°09'00"
D = 63°39'43"
R = 90.00'
T = 91.82'
L = 143.18'

CURVE DATA
P.I. STA. 216+27.46
Δ = 85°29'00"
D = 63°39'43"
R = 90.00'
T = 83.17'
L = 134.28'

PK. NAIL @ P.O.T. STA. 1296+27.82

SCALE : 1" = 50'

BENCHMARK NO. 14
TOP WEST EDGE OF STEEL FRAME OF SANITARY MANHOLE @ 60' RT. STA. 1270+50.
ELEV. 659.63

BENCHMARK NO. 15
TOP WEST EDGE OF STEEL FRAME OF SANITARY MANHOLE @ 60' RT. STA. 1273+70
ELEV. 663.98

BENCHMARK NO. 16
CHISELED "a" IN TOP OF S.W. CORNER OF FOOTING OF SMACK AND SNAK SIGN FOR PEE WEE'S DRIVE-IN; 65' RT. STA. 1276+43
ELEV. 665.13

BENCHMARK NO. 17
TOP WEST EDGE OF STEEL FRAME OF SANITARY MANHOLE @ 60' RT. STA. 1277+70
ELEV. 664.02

BENCHMARK NO. 18
TOP OF N.E. CAP BOLT OF FIRE HYDRANT; 60' LT. STA. 1278+15
ELEV. 666.30

BENCHMARK NO. 19
CHISELED "a" IN TOP OF EAST CONCRETE HEADWALL @ 45' RT. STA. 1280+50
ELEV. 663.89

BENCHMARK NO. 20
TOP WEST EDGE OF STEEL FRAME OF SANITARY MANHOLE @ 125' RT. STA. 1283+35
ELEV. 665.92

BENCHMARK NO. 21
TOP WEST EDGE OF STEEL FRAME OF SANITARY MANHOLE @ 125' RT. STA. 1286+10
ELEV. 667.36

BENCHMARK NO. 22
CHISELED "a" IN TOP WEST END OF SOUTH CONCRETE HEADWALL; S.E. CORNER OF ILL. RTE. 50 AND ARMOUR RD.; 105' RT. STA. 1289+30
ELEV. 669.49

BENCHMARK NO. 24
TOP OF R.O.W. MARKER AT THE N.E. CORNER ARMOUR PHARMACEUTICAL FENCE @ 90' LT. STA. 1288+00
ELEV. 671.09

BENCHMARK NO. 25
TOP OF BRASS DISC @ CENTER OF ARMOUR RD. & ILL. ROUTE 50 INTERSECTION; STA. 1289+75.01 (ILL. RTE. 50) STA. 166+57.71 (ARMOUR)
ELEV. 671.65

BENCHMARK NO. 26
TOP OF N.E. CAP BOLT OF FIRE HYDRANT; WEST SIDE ARMOUR PHARMACEUTICAL ENTRANCE @ 52' RT. ARMOUR & STA. 164+20
ELEV. 674.29

BENCHMARK NO. 27
CHISELED "+" IN N.W. FLANGE BOLT F. HYD. @ 118' LT. OF ℄ STA. 3+87.5 (ARMOUR PHARMACEUTICAL PROPERTY)
ELEV. 669.82

DEPARTMENT OF TRANSPORTATION

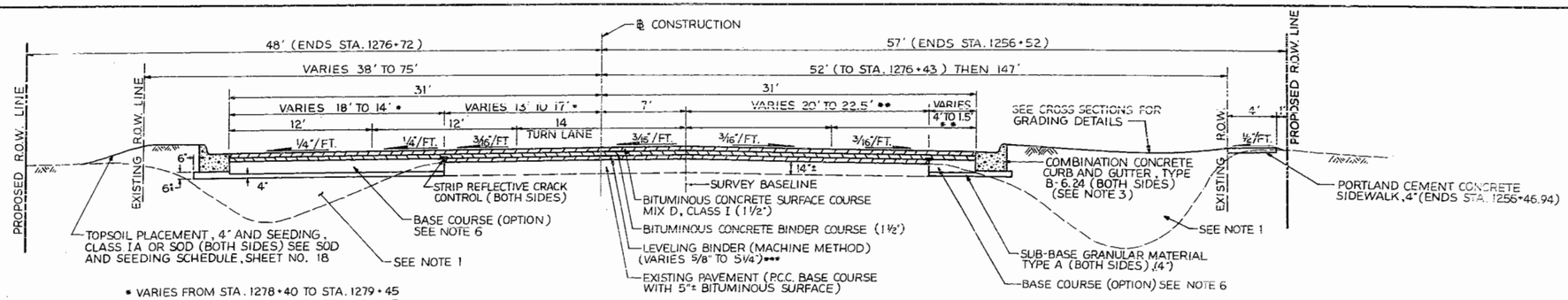
GENERAL PLAN
ALIGNMENT AND TIES FOR RT. 50, T.R. 136 B & ARMOUR DRIVE RELOCATION

DATE 10-30-86
CHECKED BY G.A.B.

RN JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

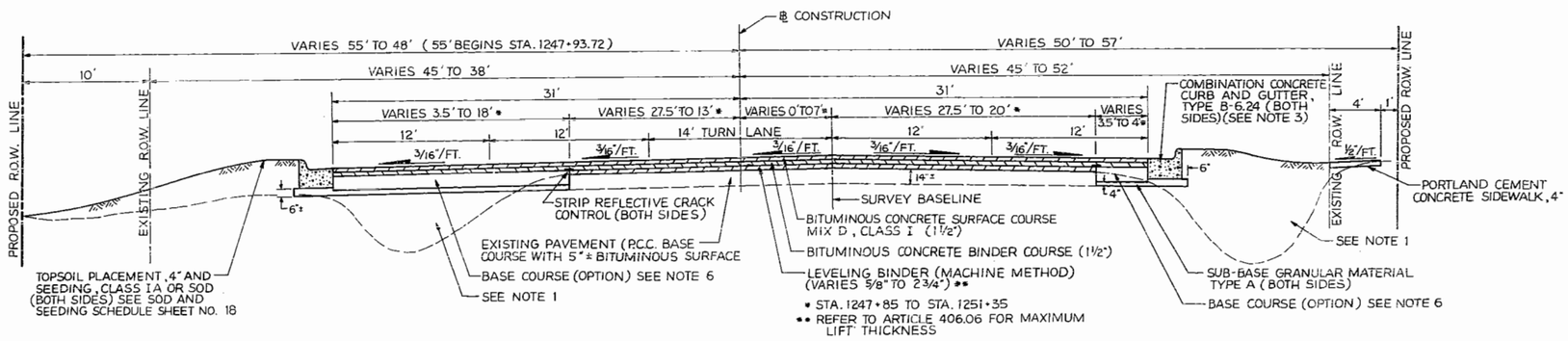
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	5
STA. 1239+90		TO STA. 1279+45		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



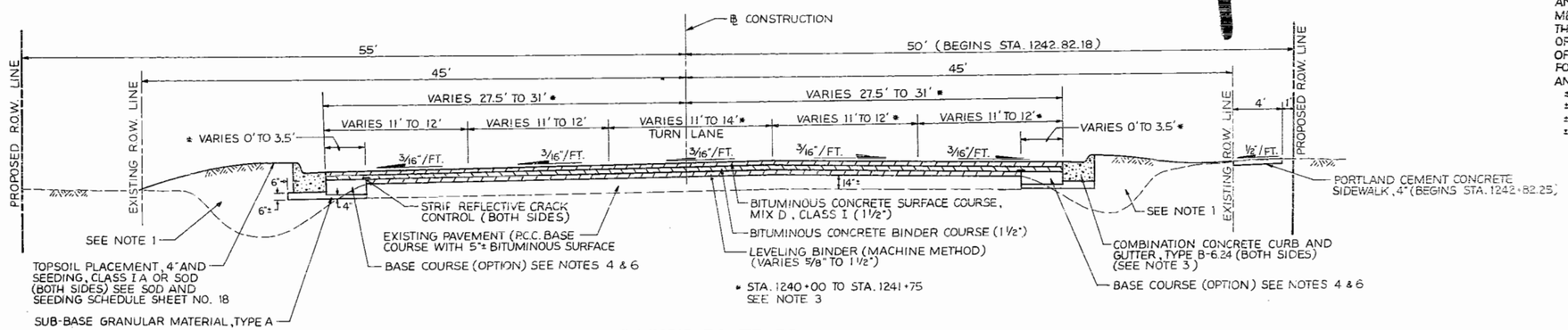
* VARIES FROM STA. 1278+40 TO STA. 1279+45
** VARIES FROM STA. 1279+00 TO STA. 1279+45
*** REFER TO ARTICLE 406.06 FOR MAXIMUM LIFT THICKNESS

ILLINOIS ROUTE 50
STA. 1251 + 35 TO STA. 1279 + 45



* STA. 1247+85 TO STA. 1251+35
** REFER TO ARTICLE 406.06 FOR MAXIMUM LIFT THICKNESS

ILLINOIS ROUTE 50
STA. 1245 + 25 TO STA. 1251 + 35



* STA. 1240+00 TO STA. 1241+75 SEE NOTE 3

ILLINOIS ROUTE 50
STA. 1239 + 90 TO STA. 1245+25

GENERAL NOTES

1. WHERE EXCAVATION IS REQUIRED FOR WIDENING, AND WHERE WIDENING EXTENDS OVER EXISTING DITCHES, THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 212.03 OF THE STANDARD SPECIFICATIONS. SOFT OR UNSTABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH MATERIAL APPROVED BY THE ENGINEER AND SHALL BE PAID FOR AS EARTH EXCAVATION.
2. REFER TO CROSS SECTIONS FOR GRADE CONTROL.
3. WHEN USING PORTLAND CEMENT CONCRETE BASE COURSE THE GUTTER THICKNESS SHALL BE 10 INCHES. WHEN USING BITUMINOUS CONCRETE BASE COURSE THE GUTTER THICKNESS SHALL BE 9 INCHES AND CONTINUOUS LONGITUDINAL REINFORCEMENT IS REQUIRED (SEE DETAIL ON SHEET NO. 8). REFER TO STANDARD NO. 2130-9 FOR ADDITIONAL INFORMATION.
4. IF PORTLAND CEMENT CONCRETE IS CHOSEN AS THE BASE COURSE(OPTION), ALL BASE COURSE LESS THAN ONE FOOT IN WIDTH SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE COMBINATION CONCRETE CURB AND GUTTER.
5. THE BITUMINOUS RESURFACING WILL BE FEATHERED INTO THE EXISTING PAVEMENT FROM STA. 1294+50 TO STA. 1295+00.
6. BASE COURSE (OPTION) CONSISTS OF THE CONTRACTOR'S OPTION OF USING PORTLAND CEMENT CONCRETE BASE COURSE, 8" OR BITUMINOUS CONCRETE BASE COURSE, 10" MS 1700, AS OUTLINED IN THE SPECIAL PROVISIONS.
7. A SERIES OF VERTICAL CURVES WAS UTILIZED TO OBTAIN PROPER DRAINAGE CONDITIONS. SEE PLAN AND PROFILE SHEETS. LEVELING BINDER (MACHINE METHOD) IS TO BE USED TO FILL AS REQUIRED TO THE ELEVATION THAT WILL PERMIT THE APPLICATION OF THE PRESCRIBED 3" TOTAL NOMINAL THICKNESS OF BINDER COURSE AND SURFACE COURSE. FOLLOWING IS AN APPROXIMATE BREAKDOWN OF ANTICIPATED LEVEL BINDER FILLS:
   - ±46% OF ILL. RTE. 50 WILL REQUIRE 0" TO ± 1"
   - ±36% OF ILL. RTE. 50 WILL REQUIRE ±1" TO ± 2"
   - ±14% OF ILL. RTE. 50 WILL REQUIRE ±2 TO ±3"
   - ± 4% OF ILL. RTE. 50 WILL REQUIRE ±3 OR GREATER

DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
ILLINOIS ROUTE 50
STA. 1239+90 TO STA. 1279+45
SCALE: 1" = 5' HORZ.

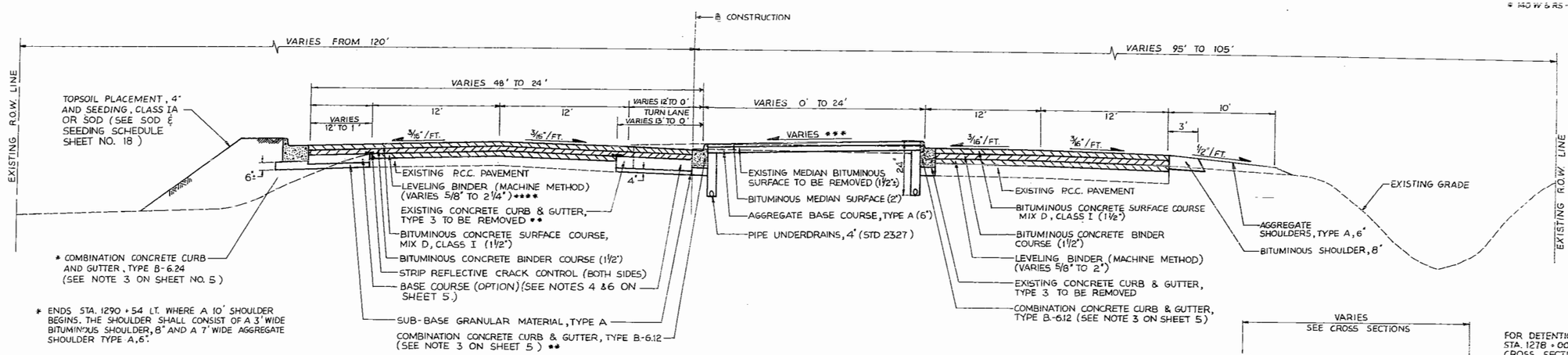
DATE 10-30-86
CHECKED BY G.A.B.

Rev 4-3-87

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	6
STA. 1279+45		TO STA. 1295+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* HO W & RS - 4



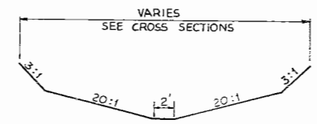
* ENDS STA. 1290 + 54 L.T. WHERE A 10' SHOULDER BEGINS. THE SHOULDER SHALL CONSIST OF A 3' WIDE BITUMINOUS SHOULDER, 8" AND A 7' WIDE AGGREGATE SHOULDER TYPE A, 6".

** EXISTING CONC. CURB AND GUTTER WILL REMAIN IN PLACE FROM STA. 1294 + 50 TO STA. 1295 + 00. IN THIS AREA THE BITUMINOUS CONC. SURFACE COURSE WILL BE TAPERED INTO THE GUTTER FLAG IN SUCH A MANNER AS TO MAINTAIN DRAINAGE.

*** REFER TO CROSS SECTIONS.

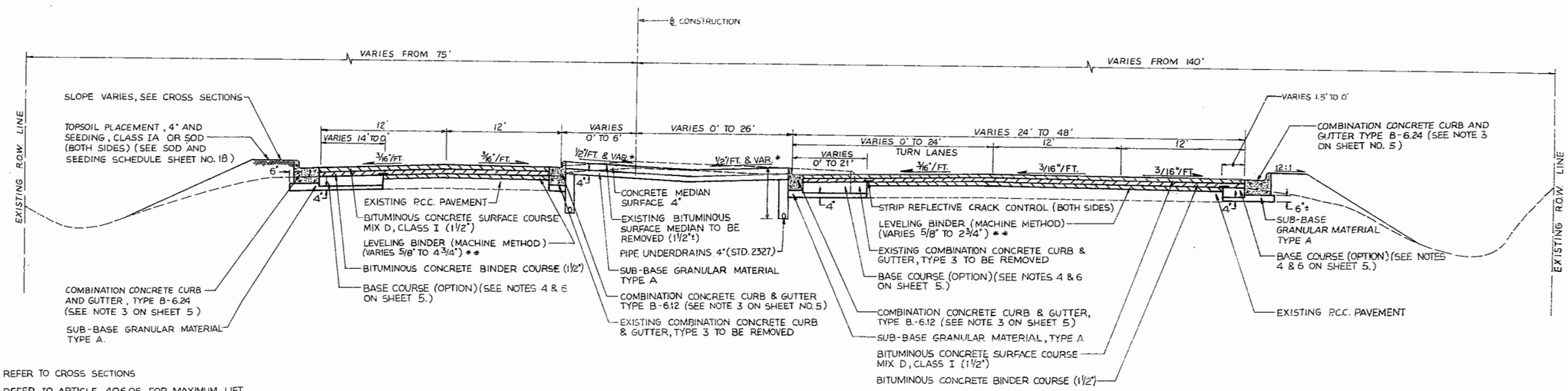
**** REFER TO ARTICLE 406.06 FOR MAXIMUM LIFT THICKNESS.

ILLINOIS ROUTE 50
STA. 1290+00 TO STA. 1295+00



TYPICAL DETENTION BASIN

FOR DETENTION BASIN EXCAVATION DETAILS STA. 1278 + 00 TO STA. 1288 + 00 SEE CROSS SECTIONS.



* REFER TO CROSS SECTIONS

** REFER TO ARTICLE 406.06 FOR MAXIMUM LIFT THICKNESS

ILLINOIS ROUTE 50
STA. 1279+45 TO STA. 1290+00

DEPARTMENT OF TRANSPORTATION

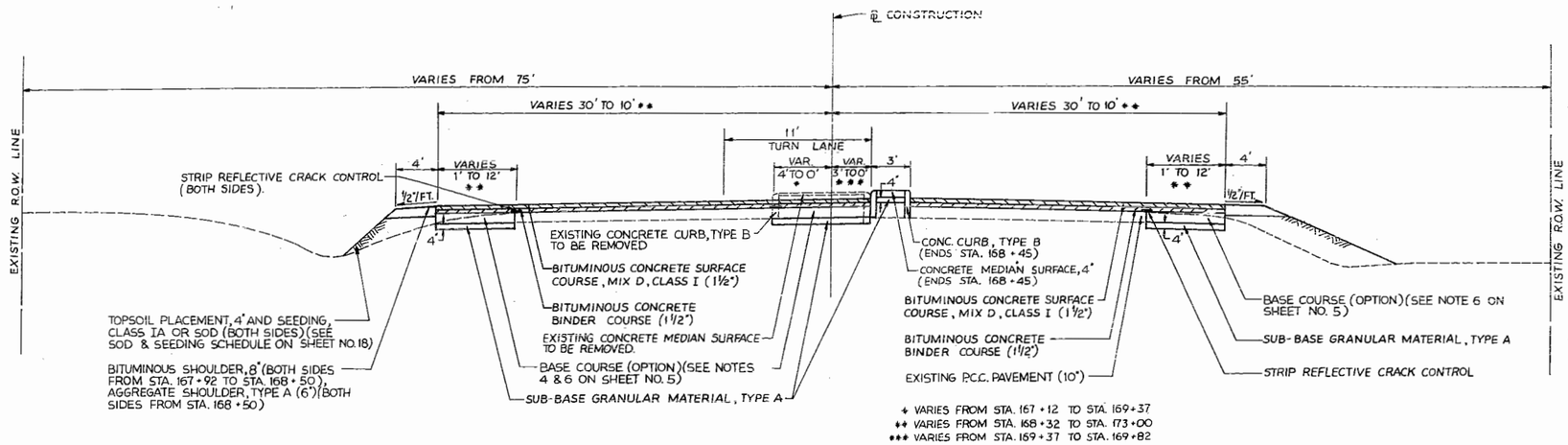
PROPOSED TYPICAL SECTIONS
ILLINOIS ROUTE 50
STA. 1279+45 TO STA. 1295+00
SCALE: 1" = 5' HORZ.

DATE 10-30-86
CHECKED BY G.A.B.

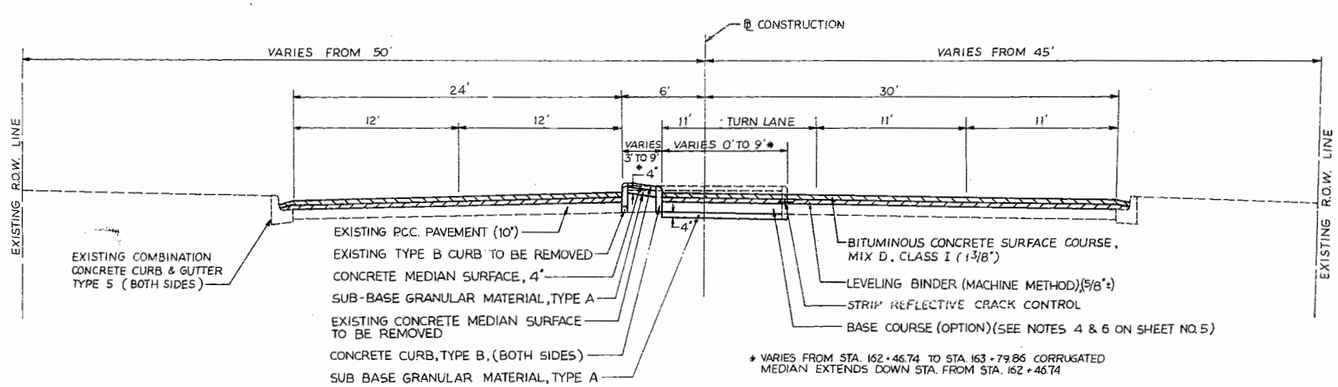
JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	7
STA. 160+90		TO STA. 173+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



ARMOUR ROAD
STA. 167+12 TO STA. 173+00



ARMOUR ROAD
STA. 160+90 TO STA. 165+69.74

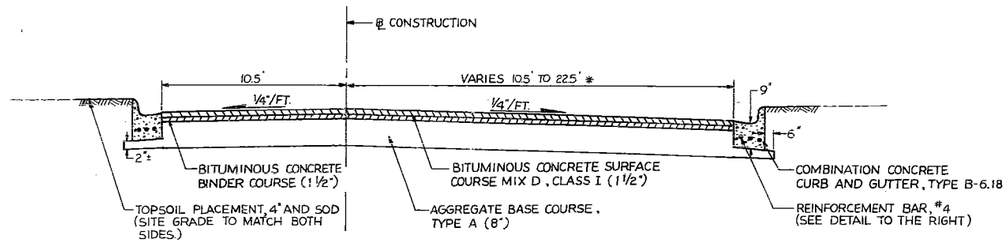
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
ARMOUR ROAD
STA. 160+90 TO STA. 173+00
SCALE 1" = 5' HORZ.

DATE 10-30-86
CHECKED BY G.A.B.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	8
STA. 202 + 98.32		TO STA. 217 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

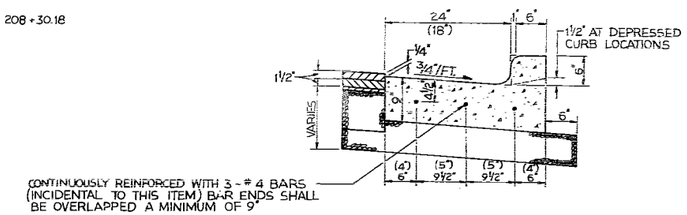
* 140 W. & 85-4



* VARIES FROM STA. 206 + 83.7 TO STA. 208 + 30.18

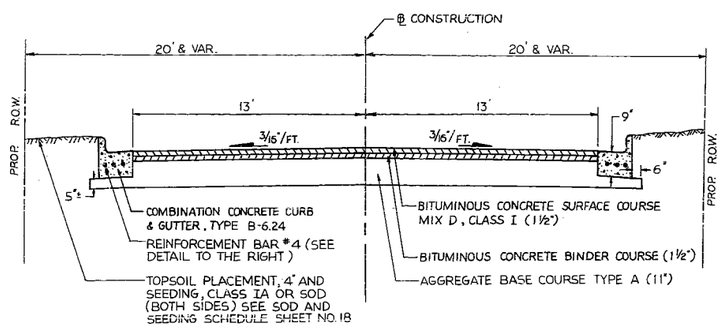
ARMOUR PHARMACEUTICAL DRIVEWAY

STA. 202 + 98.32 TO STA. 209 + 69



* MEASUREMENTS FOR B-6.18 ARE SHOWN IN PARENTHESES

CONTINUOUSLY REINFORCED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (B-6.18)*



FRONTAGE ROAD (T.R. 136 B)

STA. 210+31 TO STA. 217+50

DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
ARMOUR PHARMACEUTICAL DRIVEWAY
AND FRONTAGE ROAD
STA. 202 + 98.32 TO STA. 217 + 50
SCALE : 1" = 5' HORZ.

DATE 10-30-86
CHECKED BY G.A.B.

RN JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	9
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE SFTY-1A		
20100200	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN DIA	346	346		
20200100	EARTH EXCAVATION	CU YD	9545	9545		
20200900	GRADING AND SHAPING DITCHES	UNIT	10	10		
21000100	TRENCH BACKFILL	CU YD	1132	1132		
21300100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	2819	2819		
21500100	AGGREGATE SHOULDERS, TYPE A	TON	404	404		
21600100	TOP SOIL EXCAVATION	CU YD	1410	1410		
21600300	TOP SOIL PLACEMENT 4"	SQ YD	12,690	12,690		
21600800	TOP SOIL	CU YD	2439	2439		
21900600	BITUMINOUS SHOULDERS 8"	SQ YD	340	340		
30100100	AGGREGATE BASE COURSE, TYPE A	TON	3451	3451		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5780	5780		
40600300	AGGREGATE (PRIME COAT)	TON	101	101		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10	10		
40600500	LEVELING BINDER (MACHINE METHOD)	TON	1585	1585		
40600700	BITUMINOUS CONCRETE BINDER COURSE	TON	4014	4014		
40601300	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D; CLASS I	TON	4241	4241		
40601960	STRIP REFLECTIVE CRACK CONTROL TREATMENT	LIN FT	11,705	11,705		
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1		
50105210	REMOVE EXISTING CULVERTS	LIN FT	1217	1217		
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	889	889		
50400300	CLASS X CONCRETE	CU YD	16.2	16.2		
51101273	PIPE CULVERTS, TYPE 2 RCCP 18"	LIN FT	24	24		
51113657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4		
51113660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	3	3		
51113663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2		
51113687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1		
60300400	STORM SEWER, TYPE 1 10"	LIN FT	49	49		
60300500	STORM SEWER, TYPE 1 12"	LIN FT	506	506		
60300700	STORM SEWER, TYPE 1 15"	LIN FT	769	769		
60300900	STORM SEWER, TYPE 1 18"	LIN FT	198	198		
60301800	STORM SEWER, TYPE 1 42"	LIN FT	258	258		
60301900	STORM SEWER, TYPE 1 48"	LIN FT	819	819		
60303400	STORM SEWER, TYPE 2 12"	LIN FT	120	120		
60303800	STORM SEWER, TYPE 2 18"	LIN FT	306	306		
60304000	STORM SEWER, TYPE 2 21"	LIN FT	530	530		
60304100	STORM SEWER, TYPE 2 24"	LIN FT	1244	1244		
60304300	STORM SEWER, TYPE 2 30"	LIN FT	2452	2452		
60304500	STORM SEWER, TYPE 2 36"	LIN FT	16	16		

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE SFTY-1A		
60304700	STORM SEWER, TYPE 2 42"	LIN FT	839	839		
60304800	STORM SEWER, TYPE 2 48"	LIN FT	1254	1254		
60334700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 53, RISE 34	LIN FT	32	32		
60401400	STORM SEWER REMOVAL 30"	LIN FT	975	975		
60707600	PIPE UNDERDRAINS 4"	LIN FT	2001	2001		
61206800	CATCH BASINS, TYPE 8, SPECIAL	EACH	1	1		
61218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2		
61218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
61218800	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	1	1		
61221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5		
61221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	18	18		
61223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4		
61223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4		
61235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	67	67		
61236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	4	4		
61240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1	1		
61240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	19	19		
61240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1		
61250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2		
61255500	MANHOLES TO BE ADJUSTED	EACH	2	2		
61260100	INLETS TO BE ADJUSTED	EACH	8	8		
61260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1		
61260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1		
61265200	INLETS TO BE REMOVED	EACH	6	6		
61402100	GRATES, TYPE 7	EACH	1	1		
61407950	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1	1		
61500300	FILLING EXISTING INLETS	EACH	4	4		
61500310	FILLING EXISTING INLETS, SPECIAL	EACH	2	2		
61600600	CONCRETE CURB, TYPE B	LIN FT	1081	1081		
61603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	LIN FT	2666	2666		
61604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	LIN FT	1349	1349		
61605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	LIN FT	12,160	12,160		
61615000	PAVED DITCH, TYPE A-9	LIN FT	70	70		

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE 10-30-19
CHECKED BY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	4	KANKAKEE	85	10
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

140 W & RS-4

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE SFTY-IA		Y080
61618200	BITUMINOUS MEDIAN SURFACE	SQ FT	8480	8480		
61618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	12,580	12,580		
61624600	CORRUGATED MEDIAN	SQ FT	860	860		
61700070	BITUMINOUS SURFACE REMOVAL (COLD MILLING), VARIABLE DEPTH	SQ YD	5867	5867		
61700200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	242	242		
61700300	CURB REMOVAL	LIN FT	847	847		
61700500	COMBINATION CURB AND GUTTER REMOVAL	LIN FT	5782	5782		
61700600	SIDEWALK REMOVAL	SQ FT	85	85		
61703700	MEDIAN REMOVAL (SPECIAL)	SQ FT	37,213	37,213		
62002800	PAVEMENT REMOVAL AND PORTLAND CEMENT CONCRETE REPLACEMENT, TYPE I, 9 INCH	SQ YD	50	50		
62002900	PAVEMENT REMOVAL AND PORTLAND CEMENT CONCRETE REPLACEMENT, TYPE II, 9 INCH	SQ YD	95	95		
62003000	PAVEMENT REMOVAL AND PORTLAND CEMENT CONCRETE REPLACEMENT, TYPE III, 9 INCH	SQ YD	159	159		
62300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	158	158		
62400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3723	3723		
62910300	CHAIN LINK FENCE REMOVAL	LIN FT	188	188		
62910410	CHAIN LINK FENCE TO BE RELOCATED	LIN FT	523	523		
63900100	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	9	9		
64200110	SEEDING, CLASS IA	ACRE	5.3	5.3		
64300120	MULCH, METHOD 2	TON	10.6	10.6		
64300400	EXCELSIOR BLANKET	SQ YD	1334	1334		
64300500	EMULSIFIED ASPHALT	GALLON	1053	1053		
64400100	SODDING	SQ YD	15,050	15,050		
64400200	SUPPLEMENTAL WATERING	UNIT	135	135		
64400300	NITROGEN FERTILIZER NUTRIENT	POUND	699	699		
64400400	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1398	1398		
64400500	POTASSIUM FERTILIZER NUTRIENT	POUND	699	699		
64600400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18		
64700090	TEMPORARY PAVEMENT MARKING	LIN FT	8389	8389		
64800800	TRAFFIC CONTROL AND PROTECTION, STANDARD 2316	L SUM	1	1		
64801625	TRAFFIC CONTROL AND PROTECTION, U-2	L SUM	1	1		
65000100	MOBILIZATION	L SUM	1	1		
Z0002900	BASE COURSE (OPTION)	SQ YD	10,842	10,842		
Z0012800	CONCRETE PAVEMENT SCARIFICATION	SQ YD	320	320		
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	590	590		
Z0019600	DUST CONTROL WATERING	UNIT	10	10		
Z0039100	PERMANENT SURVEY MARKERS	EACH	3	3		
Z0076600	TRAINEES	HOUR	1000			1000

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE SFTY-IA	SFTY-IF	
T5010100*	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1000	1000		
T5010400*	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	LIN FT	17,911	17,911		
T5010500*	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	LIN FT	2129	2129		
T5010600*	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	LIN FT	701	701		
T5010700*	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	LIN FT	352	352		
T5040100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	469	469		
T5090100	PRISMATIC CURB REFLECTOR	EACH	140	140		
T4010030*	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4	
T4011530*	SIGNAL HEAD, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, MAST ARM MOUNTED	EACH	6		6	
T4011560*	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED	EACH	2		2	
T4011570*	SIGNAL HEAD, 2-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED	EACH	2		2	
T4030100*	TRAFFIC SIGNAL BACKPLATE	EACH	10		10	
T4063000*	TRAFFIC SIGNAL POLE, FERROUS 15 FT.	EACH	4		4	
T4085200*	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1	
T4085400*	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1	
T4085600*	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2		2	
T4110083*	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES, IN TYPE IV CABINET	EACH	1		1	
T4160200*	INDUCTION LOOP DETECTOR AMPLIFIER	EACH	19		19	
T4180100*	DETECTOR LOOP	LIN FT	2207		2207	
T4201700*	GALVANIZED STEEL CONDUIT, PUSHED 3"	LIN FT	169		169	
T4201900*	GALVANIZED STEEL CONDUIT, PUSHED 4"	LIN FT	106		106	
T4207600*	PVC CONDUIT IN TRENCH 1"	LIN FT	230		230	
T4207700*	PVC CONDUIT IN TRENCH 1 1/4"	LIN FT	437		437	
T4207800*	PVC CONDUIT IN TRENCH 1 1/2"	LIN FT	37		37	
T4207900*	PVC CONDUIT IN TRENCH 2"	LIN FT	177		177	
T4208100*	PVC CONDUIT IN TRENCH 3"	LIN FT	35		35	
T4208300*	PVC CONDUIT IN TRENCH 4"	LIN FT	105		105	
T4208500*	PVC CONDUIT IN TRENCH 6"	LIN FT	3		3	
T4212400*	ELECTRIC CABLE IN CONDUIT NO. 6 2/C	LIN FT	38		38	
T4214203*	ELECTRIC CABLE IN CONDUIT NO. 14 5/C	LIN FT	1524		1524	
T4214205*	ELECTRIC CABLE IN CONDUIT NO. 14 7/C	LIN FT	2236		2236	
T4218600*	ELECTRIC CABLE IN CONDUIT NO. 14 2/C TWISTED, SHIELDED	LIN FT	4089		4089	

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE 10-30-86
CHECKED BY GAB

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL-50	#	KANKAKEE	85	11
STA.		TO STA.		

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT

SUMMARY OF QUANTITIES

140 W & RS-4

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE SFTY-1A	SFTY-1F	SFTY-1E
T4260500*	SERVICE INSTALLATION, TYPE C	EACH	1		1	
T4270100*	CONCRETE FOUNDATION, TYPE A	LIN FT	15		15	
T4270200*	CONCRETE FOUNDATION, TYPE D	LIN FT	3.5		3.5	
T4270400*	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	LIN FT	60		60	
T4280100*	HANDHOLE	EACH	6		6	
T4280300*	DOUBLE HANDHOLE	EACH	1		1	
T4281600*	REBUILD EXISTING HANDHOLE	EACH	1		1	
T4290100*	JUNCTION BOX	EACH	5	2	3	
T4300100*	TRENCH AND BACKFILL	LIN FT	1251		1251	
T4330200*	RELOCATE EXISTING SIGNAL HEAD AND POST	EACH	1		1	
T4400100*	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
T4430300*	REMOVE EXISTING HANDHOLE	EACH	7		7	
T4440200*	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9	
T4470100*	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
T4520100*	DRILL EXISTING HANDHOLE	EACH	2		2	
T2010100*	SIGN PANEL - TYPE 1	SQ FT	26		26	
66000200*	ELECTRIC CABLE IN TRENCH, 600V (XLP-TYPE USE) 1/C NO. 10	LIN FT	4110			4110
66060200*	BARE COPPER WIRE, 1/C NO. 6	LIN FT	760			760
66100300*	UNIT DUCT, 2-600VXLP #6, 1" POLYETHYLENE	LIN FT	200			200
66200100*	TRENCH AND BACKFILL FOR ROADWAY LIGHTING	LIN FT	1011			1011
66300600*	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	LIN FT	296			296
66500100*	LIGHT POLE FOUNDATION	EACH	17			17
L0007400*	POLE FOUNDATION, REMOVED	EACH	20			20
L0008500*	RELOCATE EXISTING LIGHTING UNIT	EACH	17			17
X0320036 *	REMOVE AND RELOCATE GUARD HOUSE	L SUM	1			1
X0320037 *	REMOVE AND REINSTALL ELECTRIC UNIT DUCT	LIN FT	1195			1195

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE 10-30-85
CHECKED BY GAB

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 50	4	KANKAKEE	25	2
STA.		TO STA.		

GENERAL NOTES

1. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SECTION, SUBSECTION, AND PROPERTY MARKERS UNTIL THE ENGINEER HAS WITNESSED AND REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED IN HIS OPERATIONS.

2. SIDEWALK RAMPS FOR THE HANDICAPPED AND/OR DEPRESSED CURBS SHALL BE PROVIDED AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE STATE STANDARDS.

3. STANDARDS: ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS.

4. TRAFFIC SIGNALS: UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL WORK INSTALLED UNDER THIS CONTRACT INVOLVING TRAFFIC CONTROL SIGNALS OR SIGNS SHALL BE IN STRICT ACCORDANCE WITH ANY AND ALL APPLICABLE REQUIREMENTS OF THE DEPARTMENT'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST EDITION OF THE "NATIONAL ELECTRICAL CODE".

5. THE THICKNESS OF BITUMINOUS MIXTURES 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 BITUMINOUS MIXTURE IS PLACED.

6. BEFORE ORDERING PIPE CULVERTS AND STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

7. THE TRANSITIONS IN THE PROPOSED CURB AND GUTTER WILL BE MEASURED AS SPECIFIED IN ARTICLE 616.13 OF THE STANDARD SPECIFICATIONS AND WILL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER OF THE LARGER SIZE INVOLVED.

8. ANY ADJUSTMENTS TO WATER, ELECTRIC, AND TELEPHONE UTILITY LINES AND APPURTENANCES FOUND NECESSARY ARE TO BE DONE BY THE RESPECTIVE UTILITY OWNER.

9. THE CONTRACTOR WILL PROVIDE FOR TEMPORARY DRAINAGE UNTIL THE FINAL SURFACE IS PLACED.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF UTILITY PROPERTY AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123.

    THE FOLLOWING UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE MEMBERS OF J.U.L.I.E.:

    COMMONWEALTH EDISON COMPANY
    ILLINOIS BELL TELEPHONE COMPANY
    NORTHERN ILLINOIS GAS COMPANY

    THE FOLLOWING UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE NOT MEMBERS OF J.U.L.I.E.:

    KANKAKEE WATER COMPANY
    KANKAKEE CABLE

RATES OF APPLICATION

GRANULAR MATERIALS	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS PRIME COAT	0.08 OR 0.375 GAL./SQ.YD.
AGGREGATE PRIME COAT	0.002 TONS/SQ.YD.
MIXTURE FOR CRACKS, JOINTS, & FLANGEWAYS	0.0003 TONS/SQ.YD.
BITUMINOUS SURFACE COURSE	112 LBS./SQ.YD./INCH
LEVELING BINDER (MACH. METHOD)	112 LBS./SQ.YD./INCH
PAVEMENT MARKING TAPE	4 FT./40 FT. OF APPLICATION
NITROGEN FERTILIZER NUTRIENT	80 LBS./ACRE
PHOSPHORUS FERTILIZER NUTRIENT	160 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	80 LBS./ACRE

LEGEND

- EXISTING RIGHT-OF-WAY MONUMENT
- PROPOSED RIGHT-OF-WAY MONUMENT
- EXISTING HANDHOLE
- EXISTING TRAFFIC CONTROL BOX
- EXISTING TRAFFIC LIGHT MAST ARM
- FIELD CROP LINE
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CULVERT TO BE REMOVED
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED PIPE UNDERDRAIN
- M.H. MANHOLE
- INV. INVERT

DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

DATE 1-30-90
CHECKED BY E.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

SCHEDULE OF QUANTITIES

STORM SEWERS

STATION		TBF* CY	TYPE 1 10"	TYPE 1 12"	TYPE 1 15"	TYPE 1 18"	TYPE 1 42"	TYPE 1 48"	TYPE 2 12"	TYPE 2 18"	TYPE 2 21"	TYPE 2 24"	TYPE 2 30"	TYPE 2 36"	TYPE 2 42"	TYPE 2 48"	REINFORCED CONCRETE END SECTIONS 12"	15"	18"	42"	ROCK EXC. CY
1237+49 to 1240+10	RT	55											256								225
1237+58.5 to 1240+10	LT	161											247								40
1240+10	LT	1		4																	
1240+10	RT	1		6																	
1240+10 to 1241+91	LT												176								81
1240+10 to 1241+91	RT												176								116
1241+91	LT	1		4																	
1241+91	RT	1		4																	
1241+91 to 1244+93	LT	50											297								50
1241+91 to 1244+93	RT	53											297								32
1244+00	LT	1		2																	
1244+82.5 to 1244+93	LT	2		8																	
1244+93	LT	1		4																	
1244+93	RT	1		6																	
1244+93 to 1245+60	RT	14											62								
1244+93 to 1245+93	LT	93											95								
1245+55.43 to 1245+60	RT	4		20																	21
1245+60	RT	25												16							
1245+60 to 1246+01	RT	7		38																	
1245+60 to 1248+83	RT	100														317					
1245+92 to 1245+93	LT	4		18																	
1245+93 to 1248+32	LT												234								
1246+01 to 1246+15	RT	1		12																	
1247+68	RT			4																	
1248+32 to 1248+43	LT					12													1		
1248+32 to 1249+00	LT												63								
1248+72.50 to 1248+83	RT	2		8																	
1248+83	RT	1		2																	
1248+83 to 1252+29	RT	39						340													
1248+89.50 to 1249+00	LT	2		8																	
1249+00	LT	1		4																	
1249+00 to 1252+29	LT												325								
1249+29.25	RT	1		4																	
1249+73	LT	1		4																	
1249+73	RT	1		3																	
1252+29	LT	1		2																	
1252+29	RT	1		4																	
1252+29 to 1252+39.5	LT	2		8																	
1252+29 to 1252+39.5	RT	2		8																	
1252+29 to 1254+00	RT	21						165													
1252+29 to 1254+78	LT	32											224								
1253+60	LT	1		4																	
1254+00	RT	1		8																	
1254+00 to 1257+20	RT	63						314													
1254+78	LT	1		2																	
1254+78 to 1256+90	LT											208									
1255+50	RT	1		5																	
1255+60	LT	1		4																	
1256+21	RT	1		8																	
1256+70	RT	1		7																	
1256+90	LT			2																	
1256+90 to 1259+30	LT											235									
1257+20	RT	1		4																	
1257+20 to 1261+10	RT	100														384					
1258+20	LT	1		4																	
1258+85	RT	1		5																	
1259+30	LT	1		2																	
1259+30 to 1261+50	LT											216									
1259+50	RT			6																	
1260+50	LT	1		4																	
1261+10	RT	1		4																	
1261+10 to 1263+90	RT															274					
1261+50	RT	1		2																	
1261+50 to 1264+20	LT	58										265									
1262+60	RT	1		5																	
1263+00	LT	1		4																	
1263+90	RT	1		4																	
1263+90 to 1266+75	RT															279					
1264+20	LT	1		2																	
1264+20 to 1266+75	LT											251									
1265+20	RT	1		5																	
1265+40	LT	1		4																	

STORM SEWERS CONT.

STATION		TBF* CY	TYPE 1 10"	TYPE 1 12"	TYPE 1 15"	TYPE 1 18"	TYPE 1 42"	TYPE 1 48"	TYPE 2 12"	TYPE 2 16"	TYPE 2 21"	TYPE 2 24"	TYPE 2 30"	TYPE 2 36"	TYPE 2 42"	TYPE 2 48"	REINFORCED CONCRETE END SECTIONS 12"	15"	18"	42"	ROCK EXC. CY
1266+75	LT											2									
1266+75	RT											4									
1266+75	LT&RT	64										63									
1266+75 to 1267+80	LT										100										
1266+75 to 1269+10	RT														230						
1267+80	LT	1		2																	
1267+80	RT	1		6																	
1267+80 to 1270+00	LT										215										
1268+90	LT	1		4																	
1269+10	RT	1		5																	
1269+10 to 1271+70	RT	19													255						54
1270+00	LT	1		2																	
1270+00 to 1272+20	LT										215										11
1270+40	RT	1		6																	
1271+10	LT	1		4																	
1271+70	RT	1		5																	
1271+70 to 1275+30	RT	35													354						177
1272+20	LT	1		2																	
1272+20 to 1275+30	LT									306											64
1273+00	RT	1		6																	
1273+50	LT	1		4																	
1275+30	LT	1		3																	
1275+30	RT	1		4																	
1275+30 to 1276+60	RT	33					124														12
1275+30 to 1277+20	LT					186															6
1276+20	LT	1		4																	
1276+60	RT	1		4																	
1276+60 to 1277+90	RT						126														
1277+20	LT	1		3																	
1277+20 to 1279+20	LT				196																
1277+90	RT	1		24																	
1277+90 to 1278+00	RT						8													1**	
1278+20	LT	1		9																	
1279+20	LT	1		12																	
1279+20	RT	1		20													1				
1279+20 to 1283+20	LT				398													1			
1280+48.5	LT	1		17																	
1280+48.5	RT	1		26													1				
1283+29	LT	1		20													1				
1283+29	RT	2		12																	
1283+29	RT	5			44													1			
1288+00	RT	1		22													1				
1290+64.50 7'	RT	1	8																		
ARMOUR ROAD																					
165+65	LT																		1		
170+50 to 171+82	LT				131													1			
ARMOUR DRIVE																					
205+84 to 206+00	LT	4							18												
205+84 to 206+00	RT	5							20												
FRONTAGE ROAD																					
210+44 to 210+50	LT	1	9																		
210+44 to 210+50	RT	4	32																		
215+00	LT&RT	4							26												
215+00 to 215+58		7							56												
TOTALS		1132	49	506	769	198	258	819	120	306	530	1244	2452	16	839	1254	4	3	2	1**	889

*TRENCH BACKFILL
**WITH GRATE

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-86

CHECKED BY G.A.B.

& ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
R.L.50	*	KANKAKEE	85	14
STA.		TO STA.		
FED. ROAD DIST. NO. 7	R.L.2505	PROJECT		

* 140 W & R5-4

SCHEDULE OF QUANTITIES

DRAINAGE STRUCTURES

STATION	OFFSETS FROM CONST. BASE LINE	MANHOLES: TYPE A WITH TYPE 1 FRAME AND CLOSED LID* 4'	5'	6'	A-5 4'	INLETS: TYPE A W/TYPE 3 F&G	TYPE B W/TYPE 3 F&G	TYPE A W/TYPE 8 GRATE	TYPE B W/TYPE 8 GRATE	TYPE B W/TYPE 1 F&LID	CATCH BASINS: TYPE B, SPECIAL W/TYPE 7 GRATE
1240+10	36' LT		1								
1240+10	38' RT		1								
1240+10	29.70' LT					1					
1240+10	29.70' RT					1					
1241+91	39' LT		1								
1241+91	39' RT		1								
1241+91	33' LT					1					
1241+91	33' RT					1					
1244+00	43' LT							1			
1244+82.5	33' LT					1					
1244+93	33' LT						1				
1244+93	39' LT		1								
1244+93	39' RT		1-OL								
1244+93	33' RT					1					
1245+55.43	60' RT					1					
1245+60	RT			1							
1245+92	58' LT					1					
1245+93	37' LT		1								
1246+01	RT						1				
1246+15	43' RT							1			
1247+68	44' RT					1					
1248+32	39' LT		1								
1248+72.50	33' RT					1					
1248+83	33' RT						1				
1248+83	39' RT			1-OL							
1248+89.50	33' LT					1					
1249+00	33' LT						1				
1249+00	37.7' LT		1								
1249+29.25	47.9' RT					1					
1249+73	33' LT					1					
1249+73	33' RT					1					
1252+29	38' LT		1								
1252+29	33' LT						1				
1252+29	33' RT						1				
1252+29	40.5' RT			1-OL							
1252+39.5	33' LT					1					
1252+39.5	33' RT					1					
1253+60	33' LT					1					
1254+00	33' RT					1					
1254+00	40.5' RT			1							
1254+00	48' RT							1			
1254+78	38' LT		1								
1254+78	38' LT					1					
1255+50	33' RT					1					
1255+60	33' LT					1					
1256+21	51' RT					1					
1256+70	50' RT					1					
1256+90	33' LT					1					
1256+90	36' LT		1								
1257+20	41' RT			1-OL							
1257+20	33' RT					1					
1258+20	33' LT					1					
1258+85	33' RT					1					
1259+30	33' LT					1					
1259+30	38' LT		1								
1259+50	49' RT							1			
1260+50	33' LT					1					
1261+10	33' RT					1					
1261+10	41' RT			1-OL							
1261+50	33' LT					1					
1261+50	38' LT		1-OL								
1262+60	33' RT					1					
1263+00	33' LT					1					
1263+90	41' RT			1							
1263+90	33' RT					1					
1264+20	33' LT					1					
1264+20	38' LT		1								
1265+20	33' RT					1					
1265+40	33' LT					1					
1266+75	33' LT						1				
1266+75	33' RT						1				
1266+75	38' LT		1								
1266+75	41' RT			1							
1267+80	33' LT					1					
1267+80	33' RT					1					
1267+80	38' LT		1								
1268+90	33' LT					1					
1269+10	41' RT		1-OL								
1269+10	33' RT					1					
1270+00	33' LT					1					
1270+00	38' LT		1								
1270+40	33' RT					1					

DRAINAGE STRUCTURES CONT.

STATION	OFFSETS FROM CONST. BASE LINE	MANHOLES: TYPE A WITH TYPE 1 FRAME AND CLOSED LID* 4'	5'	6'	A-5 4'	INLETS: TYPE A W/TYPE 3 F&G	TYPE B W/TYPE 3 F&G	TYPE A W/TYPE 8 GRATE	TYPE B W/TYPE 8 GRATE	TYPE B W/TYPE 1 F&LID	CATCH BASINS: TYPE B, SPECIAL W/TYPE 7 GRATE
1271+10	33' LT					1					
1271+70	33' RT					1					
1271+70	41' RT		1-OL								
1272+20	33' LT					1					
1272+20	38' LT		1								
1273+00	33' RT					1					
1273+50	33' LT					1					
1275+30	33' LT					1					
1275+30	33' RT					1					
1275+30	38' LT	1-OL									
1275+30	41' RT		1								
1276+20	33' LT					1					
1276+60	33' RT					1					
1276+60	41' RT		1-OL								
1277+20	33' LT					1					
1277+20	38' LT	1									
1277+90	33' RT					1					
1277+90	60' RT										1
1278+20	33' LT					1					
1279+20	33' LT					1					
1279+20	33' RT					1					
1279+20	48' LT	1-OL									
1280+48.5	36' LT					1					
1280+48.5	35.5' RT					1					
1283+29	32' LT					1					
1283+29	7' RT									1-OL	
1283+29	20' RT						1				
1283+29	47' RT						1				
1286+00	3' RT						1				
1286+00	32' LT						1				
1286+00	52' RT						1				
1288+00	52' RT					1					
1288+66	1' RT						1				
1288+66	5.5' LT						1				
1290+64.5	7' RT					1					
1290+74.5	7' RT						1				
ARMOUR ROAD											
163+70	33' RT						1				
165+61	39.3' LT						1				
171+82	24' LT								1		
ARMOUR DRIVE											
206+00	12' LT					1					
206+00	12' RT					1					
FRONTAGE ROAD											
210+50	16.87' LT					1					
210+44	10' LT				1						
210+50	21.40' RT					1					
215+00	15' LT						1				
215+00	15' RT					1					
TOTALS		1 2-OL	18 5-OL	4 1-OL	1	67	19	4	1	1-OL	1

*OPEN LID DESIGNATED AS OL

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-85

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	0	SANGAMON	85	15
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

◆ 140 W & RS-4

SCHEDULE OF QUANTITIES

ITEMS TO BE ADJUSTED OR RELOCATED

STATION	OFFSET LOCATION	ADJUSTMENTS: MANHOLE EACH	ADJUSTMENTS: INLET EACH	ADJUSTMENTS: CATCH BASIN EACH	RELOCATIONS: LIGHTING* UNIT (POLE #) EACH	RELOCATIONS: CHAIN LINK FENCE LIN FT	RELOCATIONS: GUARD* HOUSE
1242+29	32' RT				1(23)		
1243+82	24' LT	1					
1244+79	32' LT				1(24)		
1247+49	32' RT				1(26)		
1250+11	24.5' LT				1(27)		
1252+65	33' RT				1(28)		
1255+47	19' LT				1(29)		
1257+12 to 1261+97	41' LT					495	
1258+13	33' RT				1(30)		
1260+87	19' LT				1(31)		
1262+60 to 1262+78	41' LT					28	
1263+54	34' RT				1(32)		
1266+25	19' LT				1(33)		
1271+64	19' LT				1(35)		
1277+04	25' LT				1(37)		
1280+48.5	7' RT		1				
1280+48.5	0' LT		1				
1283+29	6' LT		1				
1286+00	6' LT		1				
1290+05	7.5' RT	1					
1290+17	72' LT				1(46)		
1290+74.5	25.5' RT		1				
1291+30	43' LT				1(48)		
1294+50	7' LT		1				
1294+50	16.5' RT		1				
164+43	41.5' RT		1 w/CL				
205+84	1' LT		1 w/OL				
212+77	12' RT			1 w/CL			
215+58	6' LT			1 w/CL			
216+31	15' LT		1				
5+45	25' LT						1
5+50	16' LT				1		
8+85	17' RT				1		
8+98	17' LT				1		
TOTAL		2	10	2	17	523	1

CL = TYPE 1 CLOSED LID
OL = TYPE 1 OPEN LID

* THESE ITEMS ALSO APPEAR IN THE ELECTRICAL ITEMS SCHEDULE OF QUANTITIES ON SHEET NO. 19

INLETS TO BE FILLED OR REMOVED

STATION	LOCATION	FILLING EXISTING INLETS EACH	FILLING EXISTING INLETS, SPECIAL EACH	INLETS TO BE REMOVED EACH
1241+90	41' RT			1
1243+05	39.5' RT		1	
1283+29	20' RT			1
1286+00	23' RT		1	
1288+66	13.5' RT	1		
1290+74.5	3.5' LT	1		
164+98	48' LT	1		
165+76.5	34' LT	1		
5+33	12.5' RT			1
5+33	12.5' LT			1
205+91	4' RT			1
210+44	10' LT			1
TOTALS		4	2	6

CULVERT, SEWER AND HEADWALL REMOVAL

STATION TO STATION	SIDE	CULVERT LIN FT	HEADWALL EACH	STORM SEWER 30" LIN FT
1237+50 to 1241+76	LT			426
1237+50 to 1241+50	RT			438
1241+90 to 1243+05	RT			111
1242+55 to 1242+96	LT	41		
1243+05 to 1243+81	RT	76		
1244+25 to 1244+80	RT	55		
1245+32 to 1246+10	LT	78		
1245+37 to 1246+33	RT	96		
1247+60.5 to 1248+13	RT	52.5		
1248+93 to 1249+40.5	RT	47.5		
1250+77 to 1251+08.5	RT	31.5		
1253+56 to 1253+86.5	RT	30.5		
1254+11 to 1254+66	LT	55		
1255+91 to 1256+30.5	RT	39.5		
1256+42 to 1257+00	RT	58		
1257+52 to 1257+76	RT	24		
1259+01.5 to 1260+66.5	RT	165		
1261+99 to 1262+54.5	LT	55.5		
1265+28.5 to 1265+56	RT	27.5		
1266+74	RT & LT	60		
1271+06 to 1271+37.5	RT	31.5		
1272+34 to 1272+81	RT	47		
1276+08 to 1276+41	RT	2033		
1280+49	RT	15		
1283+26	RT	54		
165+60	LT		1	
165+70 to 165+76.5	LT	11		
165+70	LT			
TOTALS		1217	1	975

MISCELLANEOUS DRAINAGE SCHEDULE

STATION		CONCRETE CLASS X CU YD	T-1 RCPES 53"X34" ELLIPTICAL LIN FT	PIPE CULVERT TYPE 2 18" RCP LIN FT	PAVED DITCH TYPE A-9 LIN FT
1284+00	ROUTE 50 90' RT	10	32		
165+50	ARMOUR ROAD 60' RT (SLOPEWALL)	6.2			70
165+65	ARMOUR ROAD LT			24	
TOTAL		16.2	32	24	70

EARTHWORK SUMMARY

LOCATION	THEORETICAL ① CUT C.Y.	THEORETICAL ② FILL C.Y.	TOPSOIL REQUIRED ③ CUT C.Y.	TOPSOIL REQUIRED ④ FILL C.Y.	ADJUSTED EARTH EXCAVATION ⑤ CUT C.Y.	ADJUSTED EARTH EXCAVATION ⑥ FILL C.Y.	ADJUSTED EARTH EXCAVATION ⑦ FILL x S.F.* C.Y.	EXCESS EXCAVATION ⑧ C.Y.
ILL ROUTE 50 1239+50 to 1277+00	2147	4791	0	1485	2147	3306	3968	-1821**
ILL ROUTE 50 1277+00 to 1290+00	5869	2132	1410	1478	4479	654	785	3694
ILL ROUTE 50 1290+00 to 1295+00	154	961	0	300	154	661	794	- 640**
ARMOUR ROAD 160+90 to 173+00	533	275	0	183	533	92	111	422
ARMOUR ENTRANCE 202+91.32 to 202+69	812	42	0	42	812	0	0	812
FRONTAGE ROAD 210+31 to 217+50	1268	137	0	137	1268	0	0	1268
EX. ARMOUR ENT. 3+94 to 9+68***	152	359	0	224	152	135	162	- 10**
TOTALS	10935	8697	1410	3849	9545	4848	5820	3725

*SHRINKAGE FACTOR = 1.2
**FILL REQUIRED IN THIS AREA. AVAILABLE ON THE JOB SITE BETWEEN STA 1277+00 RT AND STA 1289+00 RT.
***REMOVAL OF EXISTING ENTRANCE TO A MINIMUM OF 8" BELOW FINISH GRADE.

WORK EQUATIONS

⑤ = ① - ③

⑥ = ② - ④

⑦ = ⑥ x 1.2

⑧ = ⑤ - ⑦

PIPE UNDERDRAIN SCHEDULE

STATION			PIPE UNDERDRAINS 4" LIN FT
1280+48.5	to 1282+50	RT	200
1282+50	to 1283+22	RT & LT	150
1283+29	to 1285+90	RT & LT	522
1286+00	to 1288+50	LT	252
1288+00	to 1289+08	LT	43
1290+25	to 1290+64.5	LT	40
1290+25	to 1290+74.5	RT	50
1290+74.5	to 1294+45	RT	744
TOTAL			2,001

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-86
CHECKED BY GAB

HENRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	4	KANKAKEE	35	16
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

4 140 W & RS-4

SCHEDULE OF QUANTITIES

PAVEMENT QUANTITIES

STATION TO STATION		AREA SQ YD	STRIP REFLECTIVE CRACK CONTROL TREATMENT LIN FT	BITUMINOUS MATERIAL (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	LEVELING BINDER (MACHINE METHOD) TON	BITUMINOUS CONCRETE BINDER COURSE TON	BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS I TON
1239+50	to 1239+90	244	0	20	1	0	21	21
1239+90	to 1245+25	3618	1050	289	8	46	304	304
1245+25	to 1251+35	4202	1220	336	9	118	353	353
1251+35	to 1279+45	19358	5620	1549	39	701	1626	1626
1279+45	to 1290+00	7017	1010	561	14	461	590	590
1290+00	to 1295+00	3804	830	304	8	158	320	320
160+90	to 165+69.74	2947	595	236	6	101	0	227
167+12	to 173+00	3540	1380	283	7	0	298	298
202+98.32	to 209+69	1971	0	739	4	0	166	166
210+31	to 217+50	2165	0	812	5	0	182	182
TOTALS		48866	11705	5129	101	1585	3860	4067

BITUMINOUS CONCRETE ENTRANCE SCHEDULE

STATION		AREA SQ.YD.	AGGREGATE BASE COURSE TYPE A(9") TON	BIT. CONCRETE BINDER COURSE(1½") TON	BIT. CONCRETE SURFACE COURSE(1½") TON	BIT. MATERIALS PRIME COAT GALLON
1239+01	LT*	14.7	6	2	2	6
1242+77	LT	35.7	19	3	3	14
1243+53	RT	84.1	44	7	7	32
1244+52.5	RT	66.3	34	6	6	25
1245+72	LT	145.6	75	13	13	55
1245+74	RT	157.3	81	14	14	59
1247+84	RT*	43.0	22	4	4	17
1249+14	RT*	49.7	26	5	5	19
1250+92.5	RT	48.4	25	4	4	19
1253+72	RT	56.6	29	5	5	22
1254+37.5	LT	36.3	19	3	3	14
1256+11.5	RT*	78.7	41	7	7	30
1256+81	RT*	51.0	27	5	5	20
1259+22	RT	58.1	30	5	5	22
1262+24.5	LT*	132.9	69	12	12	50
1271+22.5	RT	34.1	18	3	3	13
1272+59.5	RT	78.6	41	7	7	30
1276+15.5	RT	78.8	41	7	7	30
204+71	LT*	114.7	59	10	10	43
211+30	RT	61.3	32	6	6	23
212+60	LT	109.3	56	10	10	41
213+44	LT*	124.4	64	11	11	47
215+53	RT*	51.1	27	5	5	20
TOTAL			885	154	154	651

*INDICATES SPECIAL ENTRANCE
SEE DETAIL SHEET NO.22

SURFACE REMOVAL SCHEDULE

STATION TO STATION	LOCATION	BITUMINOUS SURFACE REMOVAL (COLD MILLING) SQ. YD.	CONCRETE PAVEMENT SCARIFICATION SQ.YD.
1239+50 to 1242+75	RT & LT	1986	
1243+75 to 1246+00	RT & LT	1375	
1247+75 to 1250+00	RT & LT	1262	
1251+75 to 1254+00	RT & LT	1000	
1260+50 to 1261+50	LT	133	
160+90 to 161+50	RT & LT		320
172+50 to 173+00	RT & LT	111	
TOTAL		5867	320

BASE COURSE SCHEDULE

STATION TO STATION		LOCATION	SUB-BASE GRANULAR MATERIAL TYPE A TON	AGGREGATE BASE COURSE TYPE A TON	BASE COURSE (OPTION) SQ. YD.
1240+00	to 1245+25	RT	39		170
1240+00	to 1245+25	LT	39		170
1245+25	to 1251+35	RT	62		270
1245+25	to 1251+35	LT	129		563
1251+35	to 1279+45	RT	284		1244
1251+35	to 1279+45	LT	1275		5597
1279+45	to 1280+00	RT	2		6
1279+45	to 1283+39.2	LT	70		307
1284+20.2	to 1289+42	MEDIAN	164		718
1290+04	to 1293+95.76	LT	99		434
1290+10	to 1294+45	MEDIAN	86		377
162+44.74	to 166+50	MEDIAN	19		82
165+26	to 166+22	MEDIAN	17		74
167+12	to 169+82	MEDIAN	41		178
168+32.15	to 173+00	LT	76		331
168+36.5	to 173+00	RT	74		321
202+98.32	to 209+69	RT & LT		892	
210+31	to 217+50	RT & LT		1352	
TOTAL			2476	2244	10842

SHOULDER SCHEDULE

STATION TO STATION	LOCATION	AGGREGATE SHOULDERS TYPE A (6") TON	BITUMINOUS SHOULDERS 8 INCH SQ YD
1290+54 to 1295+00	LT	159	152
1290+93 to 1295+00	RT	108	136
167+92 to 168+50	RT & LT	0	52
168+50 to 173+00	RT & LT	137	0
TOTAL		404	340

PORTLAND CEMENT CONCRETE ENTRANCE SCHEDULE

STATION		DRIVEWAY PAVEMENT REMOVAL SQ. YD.	PCC DRIVEWAY PAVEMENT - 6" SQ.YD.
1239+29	RT*	17.7	17.7
1259+81	RT	108.9	66.6
1260+47	RT	115.1	73.7
TOTAL		241.7	158.0

*INDICATES SPECIAL ENTRANCE

SEE DETAIL SHEET NO. 22

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-86
CHECKED BY G.A.B.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	✦	KANKAKEE	85	17
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

✦ 140 W & RS-4

SCHEDULE OF QUANTITIES

CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER

STATION TO STATION	SIDE	CURB TYPE B LIN FT	COMB. C & G TYPE B-6.12 LIN FT	COMB. C & G TYPE B-6.18 LIN FT	COMB. C & G TYPE B-6.24 LIN FT	REMARKS
1237+50 to 1238+80	LT				130	ILL 50 MAINLINE
1238+96 to 1239+08	LT	30				ENTRANCE
1239+06 to 1239+15	RT	15				ENTRANCE
1239+16 to 1239+33	LT	25				ENTRANCE
1239+45 to 1329+52	RT	15				ENTRANCE
1239+90 to 1245+26.43	RT				536	ILL 50 MAINLINE
1239+90 to 1245+29	LT				539	ILL 50 MAINLINE
1245+26.43 to 1245+56.43	RT				47	ENTRANCE
1245+29 to 1245+54	LT				39	ENTRANCE
1245+90 to 1246+18	LT				44	ENTRANCE
1245+91.57 to 1246+19.57	RT				47	ENTRANCE
1246+18 to 1288+42	LT				4224	ILL 50 MAINLINE
1246+21.57 to 1288+60	RT				4238	ILL 50 MAINLINE
1247+55 to 1247+70	RT				24	ENTRANCE
1247+97.8 to 1248+12.8	RT				24	ENTRANCE
1248+85.25 to 1249+00.25	RT				24	ENTRANCE
1249+27.25 to 1249+42.25	RT				24	ENTRANCE
1255+74.5 to 1255+99.5	RT				39	ENTRANCE
1256+20 to 1256+45	RT				39	ENTRANCE
1256+50.3 to 1256+70.3	RT				31	ENTRANCE
1256+91 to 1257+11	RT				31	ENTRANCE
1261+77.5 to 1262+07.5	LT				47	ENTRANCE
1262+41.5 to 1262+71.5	LT				47	ENTRANCE
1279+95 to 1280+49	RT	110				MEDIAN
1280+51 to 1289+14	RT & LT		1737			MEDIAN
1290+18 to 1294+50	RT & LT		864			MEDIAN
160+96.12 to 161+44.12	RT				75	ENTRANCE
161+09.12 to 161+42.12	LT				52	ENTRANCE
161+68.12 to 162+28	LT				87	ENTRANCE
161+78.12 to 162+26.12	RT				75	ENTRANCE
162+44.74 to 165+71.24	RT & LT	653				MEDIAN
164+15 to 165+30	RT				115	ARMOUR RD MAINLINE
164+65 to 166+10	LT				160	RADIUS
167+43.5 to 168+46.5	RT	209				MEDIAN
202+98.32 to 209+23.4	RT			625*		ARMOUR PHARM. ENTRANCE
202+98.32 to 209+26	LT			628*		ARMOUR PHARM. ENTRANCE
204+24.5 to 204+61	LT			43*		ARMOUR PHARM. ENTRANCE
204+82 to 205+05	LT			53*		ARMOUR PHARM. ENTRANCE
210+61.3 to 217+23	LT				662*	RELOCATED FRONTAGE RD.
210+77.2 to 217+50	RT				673*	RELOCATED FRONTAGE RD.
215+09 to 215+15	LT				57	ENTRANCE
215+22 to 215+37	RT	24				ENTRANCE
215+64 to 215+73	RT				30	ENTRANCE
215+89 to 217+01	LT		65			REGAL 8 LOT
TOTALS		1081	2666	1349	12160	

*REQUIRES CONTINUOUS LONGITUDINAL REINFORCEMENT

CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER REMOVALS

STATION TO STATION	SIDE	CURB LIN FT	CURB & GUTTER LIN FT	REMARKS
1237+50 to 1238+80	LT		130	MAINLINE
1238+96 to 1239+08	LT	30		ENTRANCE
1239+06 to 1239+15	RT	15		ENTRANCE
1239+16 to 1239+33	LT	25		ENTRANCE
1239+45 to 1239+52	RT	15		ENTRANCE
1239+90 to 1240+00	RT & LT		20	MAINLINE
1245+55	RT		6	ENTRANCE
1245+93.5	RT		6	ENTRANCE
1250+82	RT		12	ENTRANCE
1262+00 to 1262+07.5	LT		33	ENTRANCE
1262+41.5 to 1262+54	LT		34	ENTRANCE
1279+95 to 1280+49	RT	110		MEDIAN
1280+51 to 1289+42	RT & LT		1790	MEDIAN
1290+09 to 1294+50	RT & LT		860	MEDIAN
165+29 to 1291+00	LT		206	RADIUS
160+96.12 to 162+26.12	RT		130	PROPOSED ENTRANCE
161+09.12 to 162+28	LT		134	PROPOSED FRONTAGE ROAD ACCESS
162+38 to 163+79	RT & LT		284	MEDIAN
163+79 to 164+50	RT & LT	144		MEDIAN
165+27 to 166+23	RT & LT	202		MEDIAN
167+12 to 168+42	RT & LT	263		MEDIAN
168+42 to 168+93	RT & LT		102	MEDIAN
3+00 to 9+65	RT & LT		1480	ARMOUR PHARM. ENTRANCE
164+65 to 13+46	LT		485	FRONTAGE ROAD, INCLUDES DENNY'S & REGAL 8 RADII
13+68 to 13+85	LT		70	FRONTAGE ROAD, INCLUDES REGAL 8 RADIUS
214+05	RT & LT	43		DENNY'S LOT
TOTALS		847	5782	

TREE REMOVAL

STATION	SIDE	OVER 15 IN. DIA.
1245+03	LT	30
1246+04	LT	30
1247+05	LT	30
1248+03	LT	24
1251+02	LT	30
1253+05	LT	30
1254+05	LT	24
1255+03	LT	22
1255+04	LT	24
1267+08	LT	18
1267+81	LT	30
1268+85	LT	24
1272+84	LT	30
TOTAL		346

P.C.C. SIDEWALK 4"

STATION TO STATION	SIDE	AREA SQ FT
1245+97 to 1246+27	RT	164
1246+27 to 1247+70	RT	572
1248+02.8 to 1249+00.7	RT	392
1249+31.8 to 1250+83.7	RT	608
1251+01.3 to 1253+62	RT	1043
1253+82 to 1255+99	RT	868
1256+24.5 to 1256+46.9	RT	76
TOTAL		3723

MISCELLANEOUS REMOVAL ITEMS

STATION TO STATION	SIDE	CONCRETE REMOVAL (SPECIAL) SQ.YD.	SIDEWALK REMOVAL SQ.FT.	CHAIN LINK FENCE REMOVAL LIN FT
1290+42 to 1292+30	LT			188
*212+13 to 214+00	RT	534		
*214+10 to 214+30	LT	56		
*215+31 to 215+36	RT		85	
TOTAL		590	85	188

*SEE SHEET #31

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-86

CHECKED BY G.A.B.

COUNTY	TOTAL SHEETS	SHEET NO.
KANKAKEE	85	18

STA. TO STA.

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

← 140 W & RS-4

SCHEDULE OF QUANTITIES

SOD AND SEEDING SCHEDULE

STATION TO STATION	SODDING LIMITS	SODDING SQ YD	AVERAGE SEEDING WIDTH	SEEDING CLASS IA ACRE	NITROGEN FERT. NUTRIENT POUND	PHOSPHORUS FERT. NUTRIENT POUND	POTASSIUM FERT. NUTRIENT POUND	MULCH, METHOD 2 TON	EMULSIFIED ASPHALT GALLON	EXCELSIOR BLANKET SQ YD
1237+49 to 1239+12 RT	NOTE 1	272			5	10	5			
1237+58 to 1238+85 LT	NOTE 1	75			2	4	2			
1239+17 to 1242+65 LT	NOTE 1	580			10	20	10			
1239+46 to 1242+82 RT	NOTE 1	560			10	20	10			
1242+89 to 1245+49 LT	NOTE 1	333			6	12	6			
1242+82 to 1243+30 RT	NOTE 1	88			2	4	2			
1243+70 to 1244+35 RT	NOTE 1	120			2	4	2			
1244+70 to 1245+55 RT	NOTE 1	156			3	6	3			
1245+90 to 1247+94 LT	NOTE 1	261			5	10	5			
1245+92 to 1247+68 RT	NOTE 1	225			4	8	4			
1247+94 to 1251+35 LT	NOTE 3	171	17'NT.2	0.14	14	28	14	0.28	28	
1248+00 to 1248+98 RT	NOTE 1	151			3	6	3			
1249+30 to 1250+84 RT	NOTE 1	300			5	10	5			
1251+01 to 1253+62 RT	NOTE 1	537			9	18	9			
1251+35 to 1254+26 LT	NOTE 3	146	10'NT.2	0.07	8	16	8	0.14	14	
1253+82 to 1255+97 RT	NOTE 1	442			8	16	8			
1254+49 to 1257+05 LT	NOTE 3	128	10'NT.2	0.06	7	14	7	0.12	12	
1256+27 to 1256+68 RT	NOTE 1	85			2	4	2			
1256+93 to 1259+09 RT	NOTE 1	444			23	46	23			
1257+05 to 1262+05 LT	NOTE 3	250	20'NT.2	0.23	5	10	5	0.46	46	
1259+97 to 1260+30 RT	NOTE 1	68			2	4	2			
1260+64 to 1271+16 RT	NOTE 3	526	14'NT.2	0.34	36	72	36	0.68	68	
1262+44 to 1277+00 LT	NOTE 3	728	10'NT.2	0.34	40	80	40	0.68	68	
1271+28 to 1272+42 RT	NOTE 3	57	14'NT.2	0.04	5	10	5	0.08	8	
1272+77 to 1275+98 RT	NOTE 3	161	14'NT.2	0.11	12	24	12	0.22	22	
1276+33 to 1277+50 RT	NOTE 3	59	21'NT.2	0.06	6	12	6	0.12	12	
1277+00 to 1289+00 LT	NOTE 3	600	33'NT.2	0.91	83	166	83	1.82	182	
1277+50 to 1289+00 RT	NOTE 3	575	80'NT.2	2.12	179	358	179	4.24	424	1334 NT.4
1290+10 to 1295+00 LT	NOTE 3	245	45'NT.2	0.51	49	98	49	1.01	101	
167+92 to 173+00 RT			17'NT.2	0.20	16	32	16	0.40	40	
167+92 to 172+00 LT			15'NT.2	0.14	12	24	12	0.28	28	
3+94 to 9+68 RT&LT	NOTE 1	2009			42	84	42			
202+98.32 to 209+69 RT&LT	NOTE 1	1342			28	56	28			
210+31 to 217+50 RT&LT	NOTE 1	3356			56	112	56			
TOTAL		15050		5.27	699	1398	699	10.53	1053	1334

NOTE 1: SOD SHALL BE USED TO COVER ALL OF THE DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION.
NOTE 2: AN AVERAGE WIDTH OF THE SEEDING AREA HAS BEEN ESTIMATED TO COVER ALL OF THE DISTURBED AREA BEYOND THE LIMITS OF THE SODDED AREA AND WITHIN THE LIMITS OF CONSTRUCTION.
NOTE 3: SOD SHALL BE PLACED AT A UNIFORM WIDTH OF 4.5' BEYOND THE BACK OF CURB.
NOTE 4: EXCELSIOR BLANKET IS TO BE USED FOR A WIDTH OF 12' IN THE FLOW LINE OF THE DETENTION BASIN FROM STA. 1278+00 RT TO STA. 1288+00 RT.

MEDIAN REPLACEMENT

STATION TO STATION	SUB-BASE GRANULAR MATERIAL TYPE A TON	AGGREGATE BASE COURSE TYPE A TON	BITUMINOUS MEDIAN SURFACE (2") SQUARE FEET	CONCRETE MEDIAN SURFACE, 4" SQUARE FEET	CORRUGATED MEDIAN SQUARE FEET
1279+45 to 1280+49	6				220
1279+95 to 1289+14	285			11,252	
1290+19 to 1295+00		322	8,480		
161+05 to 161+18	2				52
161+86 to 162+78	15				588
162+44.7 to 165+70.7	29			1,125	
167+44 to 168+46	6			203	
TOTAL	343	322	8,480	12,580	860

MEDIAN REMOVAL SPECIAL

STATION TO STATION	MEDIAN REMOVAL SPECIAL SQUARE FEET
1279+45 to 1289+41	19,780
1290+10 to 1295+00	11,880
160+90 to 164+50	3,150
165+27 to 166+23	806
167+12 to 169+82	1,597
TOTAL	37,213

PAVEMENT PATCHING

LOCATION	PAVEMENT REMOVAL AND P.C.C. REPLACEMENT, 9" TYPE I SQ YD	TYPE II SQ YD	TYPE III SQ YD
1237+60 LT		10	
1266+75 RT&LT			32 (2 @ 16)
1283+29 RT		10	
*CONTINGENCY QUAN.	50	75	127
TOTAL	50	95	159

*QUANTITIES HAVE BEEN INCLUDED FOR PATCHING THAT THE ENGINEER MAY SPECIFY IN THE FIELD AT THE TIME OF CONSTRUCTION.

PAVEMENT MARKINGS

STATION TO STATION	THERMOPLASTIC SYMBOLS SQ. FT.	6" LINE LIN. FT.	8" LINE LIN. FT.	12" LINE LIN. FT.	24" LINE LIN. FT.	TEMPORARY PAVEMENT MARKING LIN. FT.	RAISED REFLECTIVE PAVEMENT MARKERS EACH	PRISMATIC CURB REFLECTORS EACH
1239+50 to 1295+00	784.4	15,616	1,539	481	229	7226	404	99
160+90 to 173+00	153.3	2,075	440	220	54	871	65	41
202+98.32 to 210+00	62.4	40	150		45	148		
210+00 to 217+50		180			24	144		
TOTALS	1000.1	17,911	2,129	701	352	8389	469	140

MARKER SCHEDULE

STATION	OFFSET FROM SURVEY BASE LINE	PERMANENT SURVEY MARKER TYPE I EACH	RIGHT-OF-WAY MARKER EACH
1240+00 P.O.T.	BASE LINE	1	
1242+82.17	50' RT		1
1242+82.18	45' RT		1
1245+42.17	50' RT		1
1246+02.17	50' RT		1
1247+93.72	45' LT		1
1247+93.73	55' LT		1
1256+46.93	45' RT		1
1256+46.94	50' RT		1
1277+00.35	55' LT		1
1282+52.76 P.I.	BASE LINE	1	
1293+93.24 P.I.	BASE LINE	1	
TOTAL		3	9

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	ϕ	KANKAKEE	85	19
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

ϕ 140 W & RS-4

SCHEDULE OF QUANTITIES

ELECTRICAL ITEMS

STATION (POLE #)	SIDE	JUNCT. BOX	ELECTRIC CABLE IN TRENCH 600V (XLP-TYPE USE) 1/C NO. 10	BARE COPPER WIRE 1/C NO. 6	UNIT DUCT. 3-600VXLP #6 1" POLY-ETHYLENE	TRENCH AND BACKFILL FOR ROADWAY LIGHTING	CONDUIT IN TRENCH 2" DIA. GALV. STEEL	LIGHT POLE FOUND.	POLE FOUND. REMOVED	RELOC. EXIST LIGHT-ING UNIT	REMOVE AND RELOC. GUARD HOUSE	REMOVE AND REINSTALL ELECTRIC UNIT DUCT
		EACH	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EACH	EACH	EACH	L.SUM	LIN.FT.
1242+29 (23)	RT							1	1	1		
1244+79 (24)	LT							1	1	1		
1247+42	RT & LT					20	20					100
1247+49 (26)	RT							1	1	1		
1250+11 (27)	LT							1	1	1		
1252+65 (28)	RT							1	1	1		
1252+72	RT & LT					32	32					200
1255+47 (29)	LT							1	1	1		
1258+13 (30)	RT							1	1	1		
1258+20	RT & LT					32	32					200
1260+87 (31)	LT							1	1	1		
1263+54 (32)	RT							1	1	1		
1263+59	RT & LT					32	32					85
1266+25 (33)	LT							1	1	1		
1269+01	RT & LT					35	35					200
1271+64 (35)	LT							1	1	1		
1274+45	RT & LT					30	30					200
1277+01	RT & LT					30	30					100
1277+04 (37)	LT							1	1	1		
1290+17 (46)	LT							1	1	1		
1291+30 (48)	LT							1	1	1		
165+75	RT & LT					10	10					110
5+45	LT										1	
5+51	LT								1	1		
5+62	LT	1	960	160		160						
8+85	RT								1	1		
8+85	LT	1										
8+85 TO 9+10	LT		180	60		60						
8+98	LT								1	1		
205+15 TO 209+15	LT		2700	450		450						
205+31	LT							1*				
205+35	RT & LT					30	30					
209+10	RT & LT		270	90		90	45					
209+15	RT & LT							2*				
214+51	LT								1			
215+34	LT								1			
215+94	LT								1			
MISCELLANEOUS**					200							
TOTAL		2	4110	760	200	1011	296	17	20	17	1	1195

*LIGHT POLE FOUNDATION, TYPE I
**QUANTITY ADDED TO OBTAIN A UNIT PRICE

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION

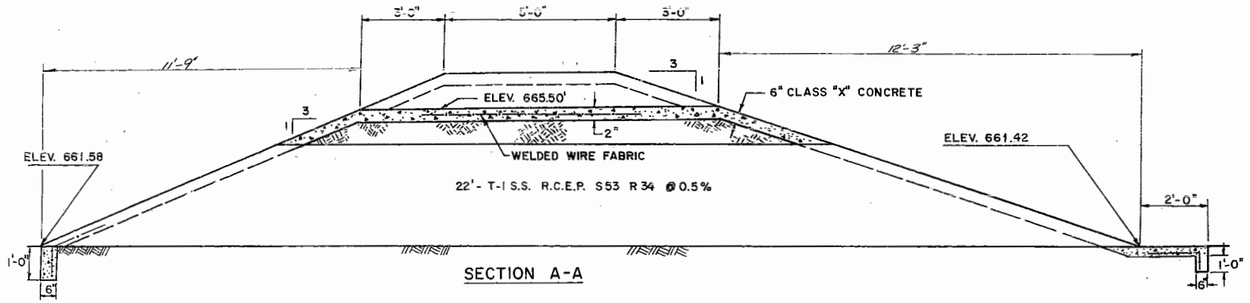
SCHEDULE OF QUANTITIES

DATE 10-30-86
CHECKED BY G.A.B.

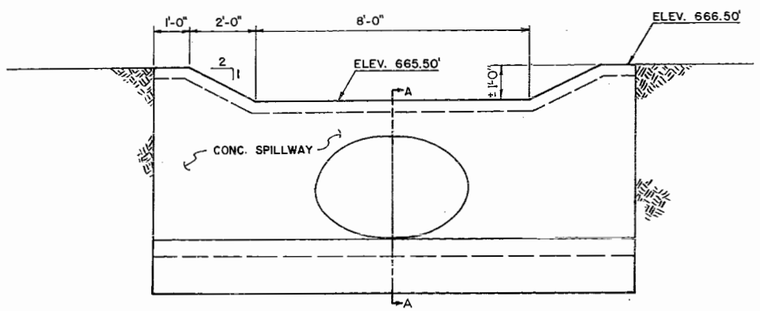
JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	#	KANKAKEE	85	20
STA.		TO STA.		
FED. ROAD DIST NO. 7	ILLINOIS	PROJECT		

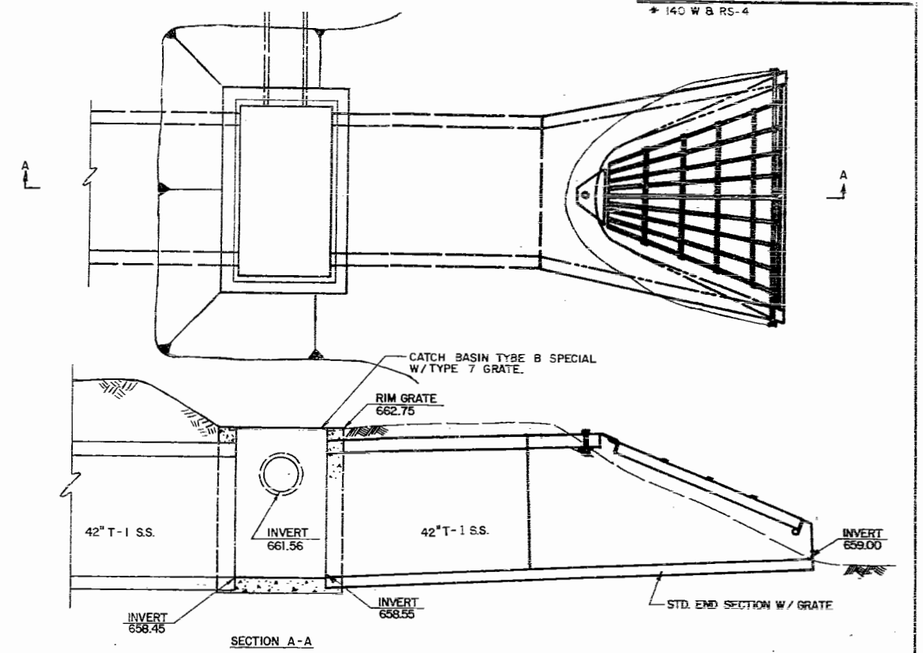
140 W & RS-4



SECTION A-A



SPILLWAY DETAIL - STA. 1284+00, 90' RT.



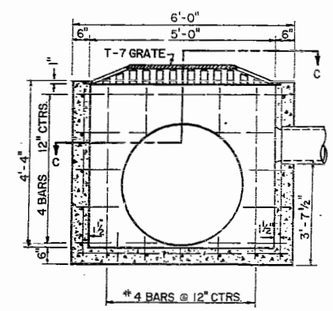
SECTION A-A

DETENTION BASIN OUTLET DETAIL
STA. 1278+00, 60' RT.

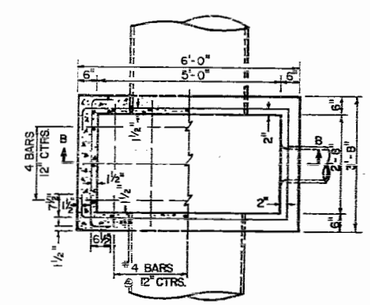
NOTES:

1. CLASS X CONCRETE SHALL BE USED THROUGHOUT.
2. WELDED WIRE FABRIC SHALL BE 6"x6" MESH, #4 GAGE, 58 LBS. PER 100 SQ. FT., CONFORMING TO THE REQUIREMENTS OF AASHO M-55.
3. 1/2 INCH PREMOULDED JOINT FILLER SHALL BE PLACED AT THE JUNCTION OF SPILLWAY WITH ANY OTHER STRUCTURE.
4. CUT-OFF WALLS SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE SPILLWAY.
5. THE COST OF FURNISHING AND PLACING THE JOINT FILLER AND THE WELDED WIRE FABRIC WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE SPILLWAY.
6. RETENTION BASIN IS NOT TO BE CONSTRUCTED BY MEANS OF A CONTINUOUS CUT THROUGH THE SPILLWAY LOCATION. SPILLWAY DIKE IS TO BE CONSTRUCTED WITH A MINIMAL AMOUNT OF DISTURBANCE TO EXISTING SOILS.

CLASS X CONCRETE = 10 Cu. Yds.



SECTION B-B



SECTION C-C

CATCH BASIN TYPE B SPECIAL
W/ TYPE 7 GRATE

DEPARTMENT OF TRANSPORTATION

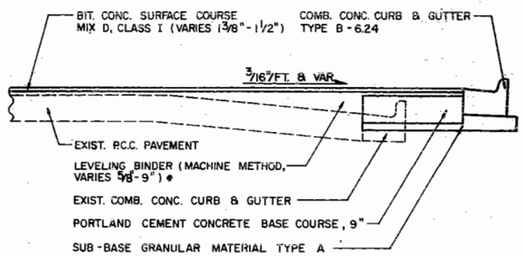
DETAILS OF
SPILLWAY, CATCH BASIN TYPE B
SPECIAL, AND DETENTION BASIN
OUTLET

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
ILL. 50	*	KANKAKEE	85	22
STA.		TO STA.		
FED. ROAD DIST NO 7	ILLINOIS	PROJECT		

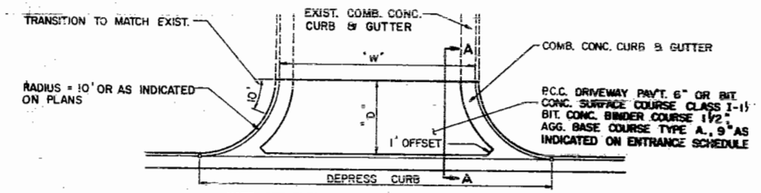
* 140 W & RS-4



* SEE ART. 406.06 FOR MAXIMUM LIFT THICKNESS

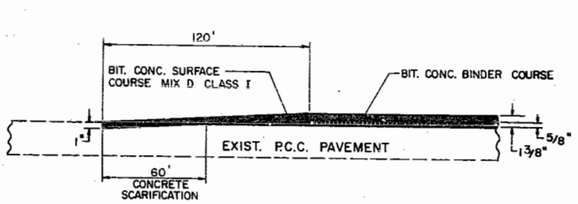
NORTHWEST RADIUS OF ROUTE 50 & ARMOUR ROAD

PAVEMENT WIDENING & RESURFACING DETAIL

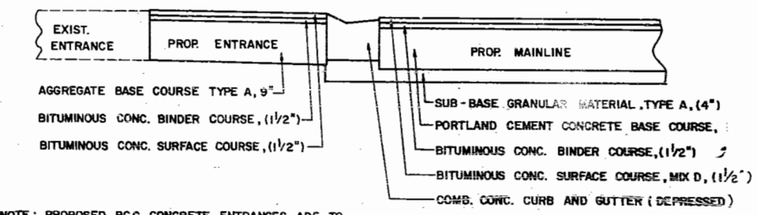


NOTE: SEE ENTRANCE SCHEDULES FOR LOCATIONS & CONSTRUCTION DETAILS FOR DIMENSIONS.

SPECIAL ENTRANCE DETAIL

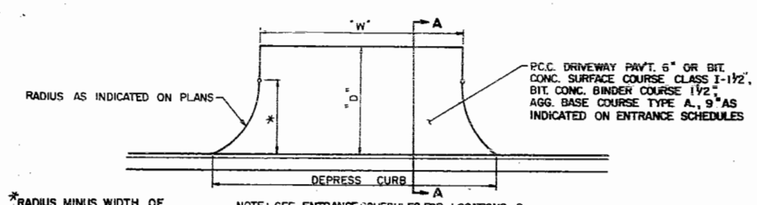


STA. 160 + 90 TO STA. 162 + 10 (ARMOUR ROAD)



NOTE: PROPOSED P.C.C. CONCRETE ENTRANCES ARE TO BE CONSTRUCTED USING PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"

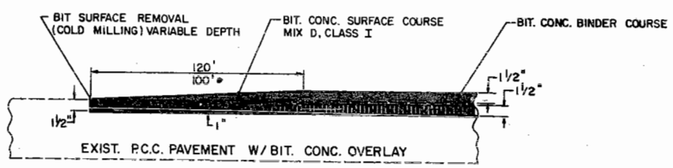
SECTION A-A



*RADIUS MINUS WIDTH OF COMB. CURB AND GUTTER

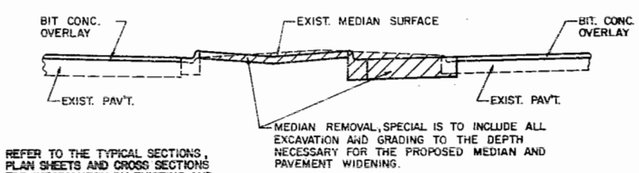
NOTE: SEE ENTRANCE SCHEDULES FOR LOCATIONS & CONSTRUCTION DETAILS FOR DIMENSIONS.

TYPICAL ENTRANCE DETAIL



STA. 1239 + 50 TO STA. 1240 + 70 (ILL. RTE. 50)
* STA. 172 + 00 TO STA. 173 + 00 (ARMOUR RD.)

TAPER DETAILS



NOTE: REFER TO THE TYPICAL SECTIONS, PLAN SHEETS AND CROSS SECTIONS FOR INFORMATION ON EXISTING AND PROPOSED MEDIAN TYPES, WIDTHS AND ELEVATIONS.

DETAIL OF TYPICAL MEDIAN REMOVAL SPECIAL

DEPARTMENT OF TRANSPORTATION

DETAILS OF

TAPERS, ENTRANCES, MEDIAN REMOVAL, PAV'T WIDENING & RESURFACING

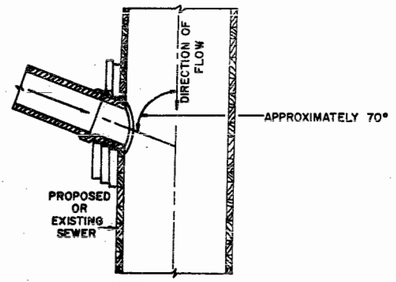
DATE 10-30-88
CHECKED BY G.A.R.

PN JERRY LACY & ASSOCIATES, INC.

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
ILL. 50	*	KANKAKEE	85	21
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

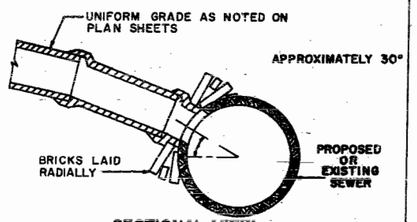
* 140 W & R5-4

DETAIL 1



SECTIONAL PLAN

DETAIL 2



SECTIONAL VIEW

DESCRIPTION:

ALL CATCH BASIN AND INLET CONNECTIONS SHALL BE TWELVE (12) INCH STORM SEWER PIPE, UNLESS SHOWN OR SPECIFIED OTHERWISE ON PLAN SHEETS.

CONSTRUCTION METHODS:

A. CONNECTION TO PROPOSED STORM SEWER. WHERE A STORM SEWER CONNECTION IS TO BE CONNECTED TO A PROPOSED STORM SEWER, A "Y" BRANCH SECTION OR A SECTION WITH AN OPENING MADE IN THE PIPE OF THE PROPER DIAMETER AT THE TIME IT IS MANUFACTURED SHALL BE INSTALLED IN THE SEWER AT THE JUNCTION PROVIDING THE TYPE OF PIPE USED IS MANUFACTURED WITH "Y" BRANCHES OR WITH OPENINGS MADE IN THE PIPE.

THE JUNCTION OF THE PROPOSED STORM SEWER CONNECTION WITH THE PROPOSED STORM SEWER SHALL BE CONSTRUCTED AS FOLLOWS:

SIMILAR TO DETAIL 1 AND DETAIL 2 ABOVE, EXCEPT NO BRICK WILL BE REQUIRED IF SECTIONS WITH "Y" BRANCHES OR SECTIONS WITH OPENINGS MADE IN THE PIPE ARE USED.

B. CONNECTION TO THE EXISTING SEWER. WHERE A STORM SEWER CONNECTION IS TO BE CONNECTED TO AN EXISTING SEWER, A CIRCULAR OPENING SHALL BE MADE IN THE EXISTING SEWER OF THE SAME SIZE AS THE INTERNAL DIAMETER OF THE PROPOSED STORM SEWER CONNECTION.

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THIS CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THIS SECTION OF PIPE WITH A PIPE EQUAL AND SIMILAR IN ALL OTHER RESPECTS TO THE PIPE IN THE EXISTING SEWER IN A CAREFUL WORKMANLIKE MANNER WITHOUT EXTRA COMPENSATION.

THE JOINT BETWEEN THE EXISTING SEWER AND THE PROPOSED SEWER SHALL BE COMPLETELY SEALED WITH BRICK AS SHOWN ABOVE. BRICK, GRADE SW, OR CONCRETE BUILDING BRICK, GRADE A, SHALL BE LAID IN MORTAR THE SAME AS SPECIFIED FOR BRICK MASONRY UNDER ARTICLE 612.05 OF THE STANDARD SPECIFICATIONS.

C. GENERAL. CARE MUST BE TAKEN TO PREVENT MUD, SAND, OR OTHER OBSTRUCTING MATERIALS FROM ENTERING THE SEWER. ALL SUCH MATERIALS WHICH GET INTO THE SEWER MUST BE REMOVED, AND THE SEWER LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE WORK.

CARE MUST BE TAKEN TO PREVENT ANY OF THE NEW CONNECTING PIPE FROM PROJECTING INTO THE EXISTING SEWER.

WHERE THE PROPOSED CATCH BASIN OR INLET CONNECTIONS ARE CONSTRUCTED THROUGH EXISTING CATCH BASINS OR INLETS, WHICH HAVE BEEN ABANDONED, ALL THAT PORTION OF THE EXISTING CATCH BASIN OR INLET WITHIN SIX (6) INCHES OF THE PROPOSED CONNECTION SHALL BE REMOVED.

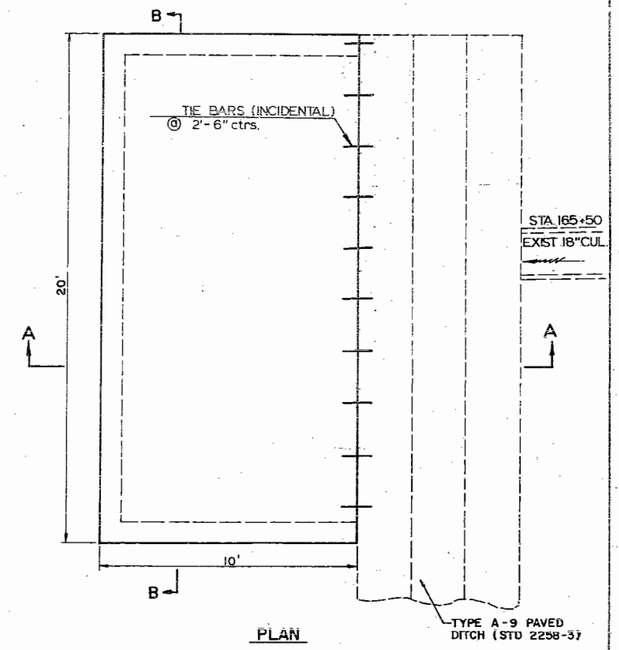
BASIS OF PAYMENT

ALL FITTINGS SUCH AS ELBOWS AND CURVES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR STORM SEWER MEASURED IN PLACE.

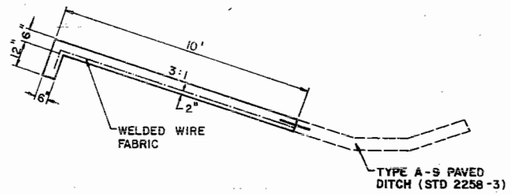
THE COST OF MAKING ALL JUNCTIONS WITH EXISTING OR PROPOSED SEWERS, MANHOLES, OR CATCH BASINS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR STORM SEWER.

NO EXTRA COMPENSATION WILL BE ALLOWED WHERE IT IS NECESSARY TO INCREASE THE DEPTH OF CATCH BASIN OR INLET CONNECTIONS BECAUSE OF EXISTING UNDERGROUND STRUCTURES.

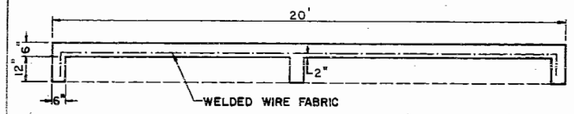
DETAIL OF STORM SEWER "Y" CONNECTION



PLAN



SECTION A-A



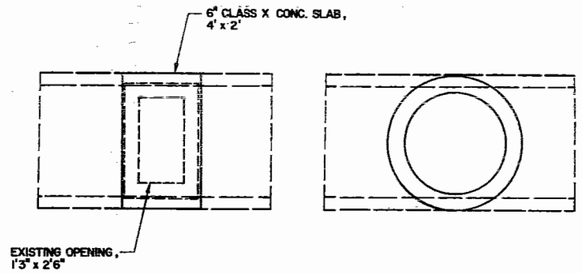
SECTION B-B

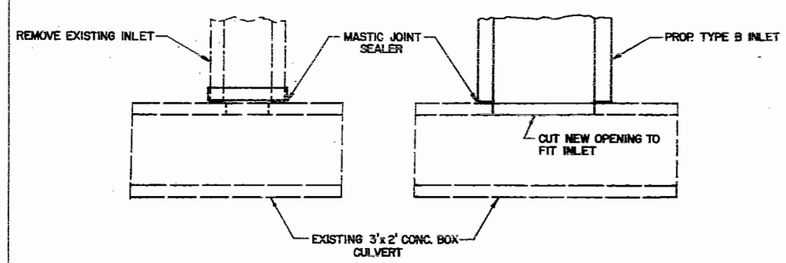
CONCRETE SLOPEWALL

STA. 165 + 50 - 60' RT. ARMOUR RD.
(ALSO SEE SHEET NO. 45)

NOTES:

1) CLASS X CONCRETE SHALL BE USED THROUGHOUT.
2) CUT-OFF WALLS TO BE CONSTRUCTED MONOLITHICALLY WITH THE SLAB
3) AT OPTION OF THE CONTRACTOR, #3 BARS PLACED AT 12" CENTERS LONGITUDINALLY IN PAVED DITCH & VERTICALLY IN ANCHOR & CUT-OFF WALLS MAY BE USED IN LIEU OF THE WELDED WIRE FABRIC.
4) THE COST OF FURNISHING & PLACING THE JOINT FILLER & THE WELDED WIRE FABRIC OR THE #3 REINFORCING BARS WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONCRETE SLAB.





INLET REMOVAL & ADDITION TO EXISTING CULVERT AT STA. 1286+00

DEPARTMENT OF TRANSPORTATION

DETAILS OF

STORM SEWER "Y"

CONCRETE SLAB

INLET REMOVAL & ADDITION

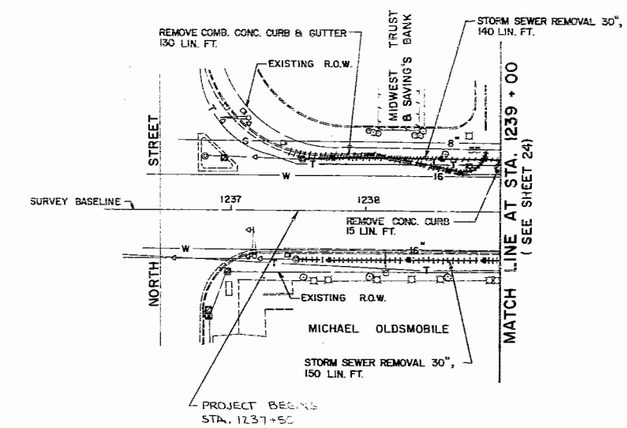
DATE 10-30-85
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

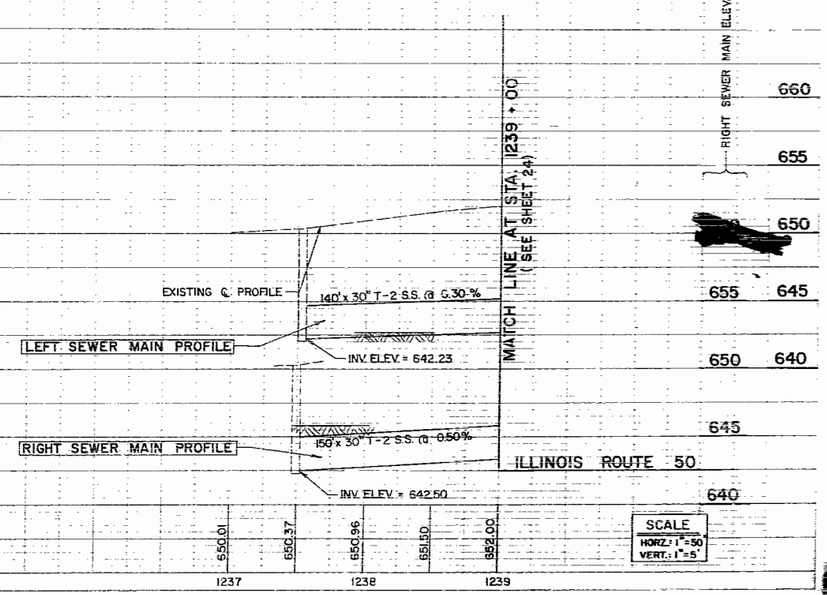
SECTION 21 - T.31N., R.12E., 3RD P.M.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	23
STA. 1236 + 00		TO STA. 1239 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 14D W & RS - 4



SECTION 21 - T.31N., R.12E., 3RD P.M.



PLAN
FOR BID
No. L-244
L.P.M. M.A.R. T.E.H.
MAR. 86
JULY 86

PROFILE
FOR BID
No. L-244
L.P.M. M.A.R. T.E.H.
MAR. 94
JULY 86

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

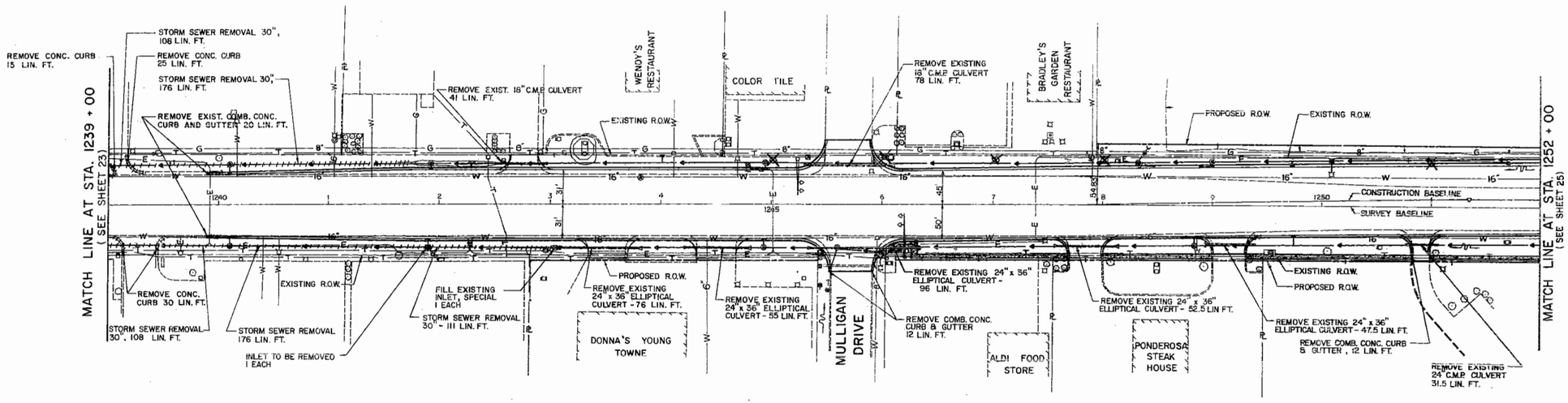
HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
"FITELDYNE"
PRINTED IN U.S.A.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	4	KANKAKEE	85	24
STA. 1239 + 00		TO STA. 1252 + 00		

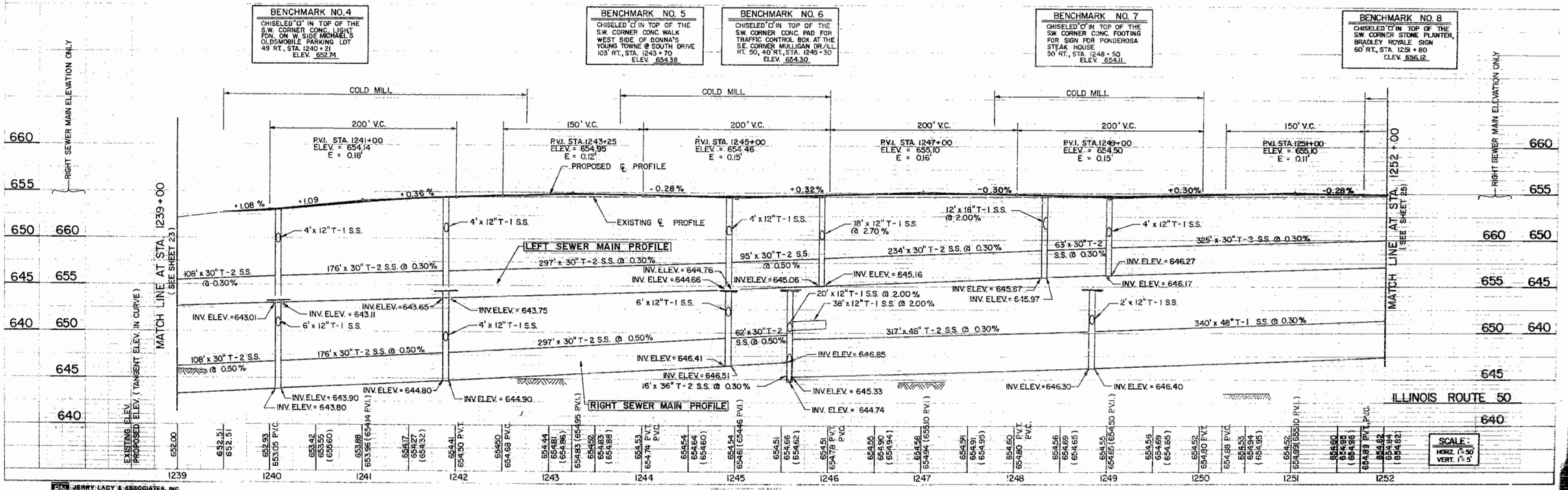
FED. ROAD DIST. NO. 7 ILLINOIS (PROJECT)

+ 140 W8 RS-4

SECTION 21 - T.31N., R.12E., 3RD P.M.



SECTION 21 - T.31N., R.12E., 3RD P.M.

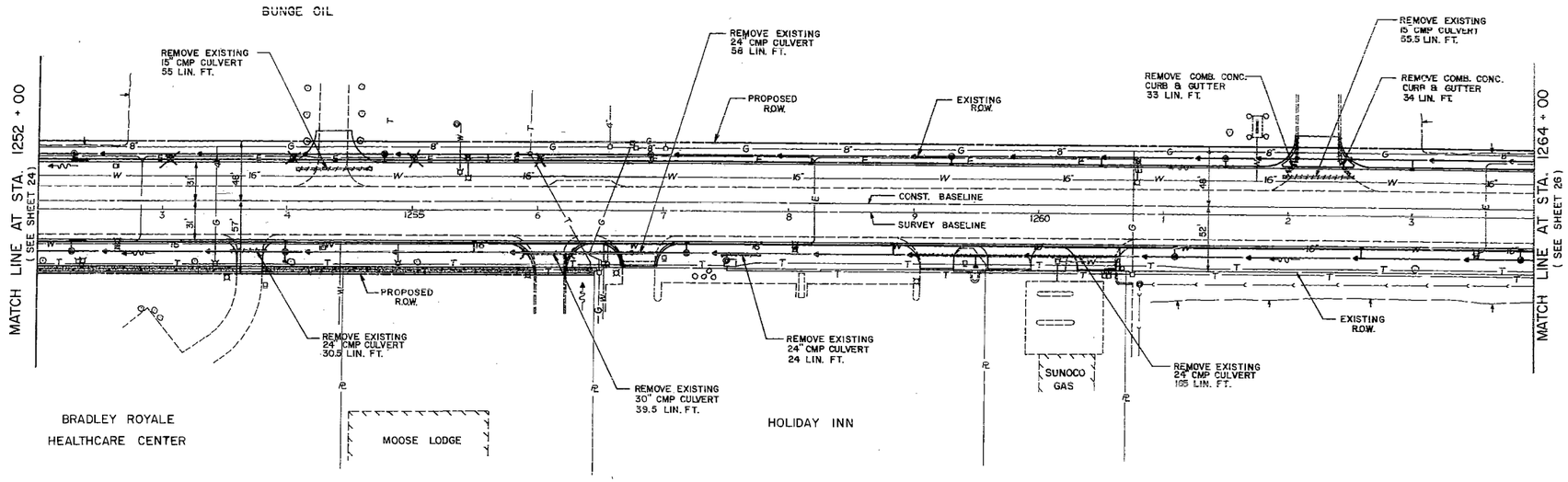


JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	25
STA. 1252 + 00		TO STA. 1264 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.

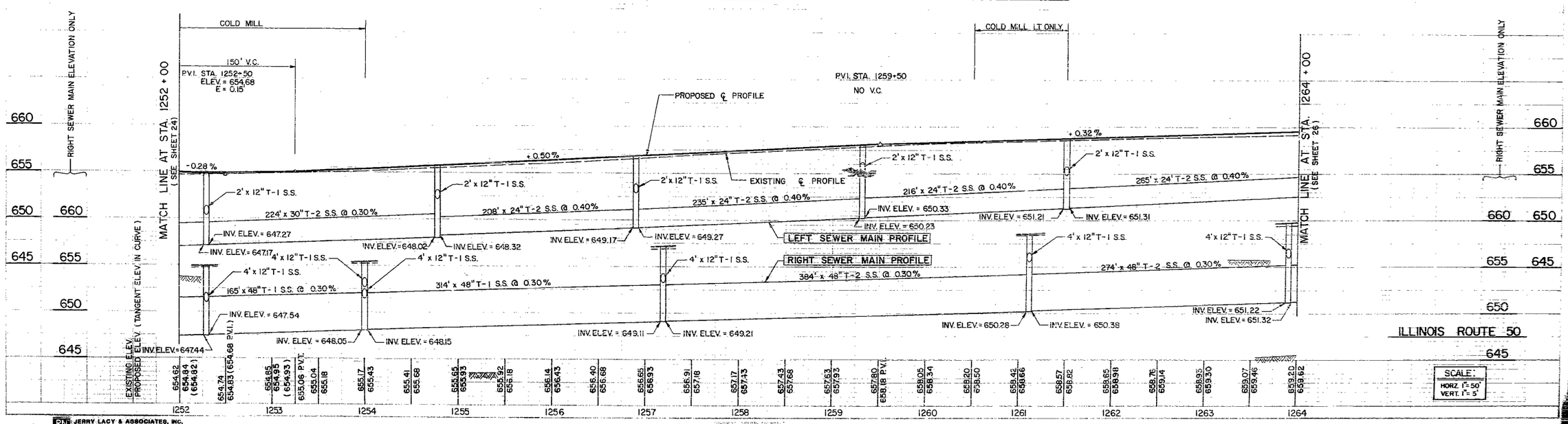


SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.

BENCHMARK NO. 9
CHISELED "O" IN TOP OF THE S.W. CORNER CONC. M.H. PAD AT S.W. CORNER OF HOLIDAY INN PARKING LOT ENTRANCE 50' RT., STA. 1256 + 60
ELEV. 656.55

BENCHMARK NO. 10
CHISELED "O" IN TOP OF THE S.W. CORNER OF THE CONC. PLANTER WALL OF HOLIDAY INN SIGN 60' RT., STA. 1258 + 10
ELEV. 658.34

BENCHMARK NO. 11
CHISELED "O" IN TOP OF THE S.W. CORNER CONC. FOOTING FOR SUNOCO SIGN 60' RT., STA. 1260 + 80
ELEV. 659.37



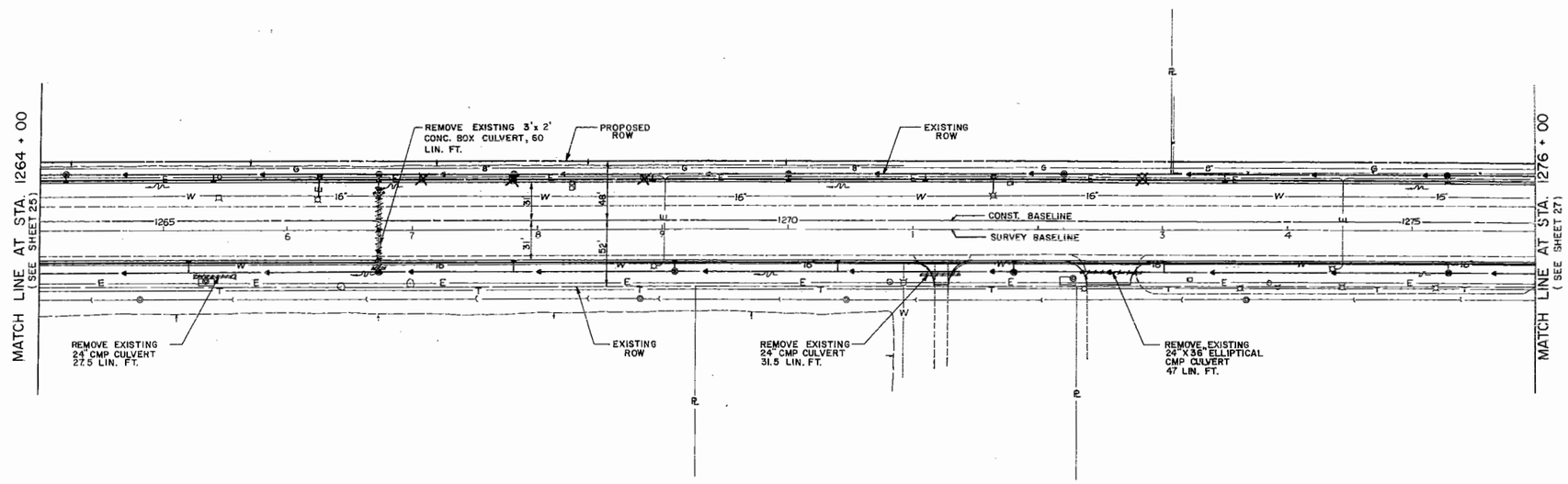
JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 1-SINGLE PLAN AND PROFILE FULL LINE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	26
STA. 1264 + 00		TO STA. 1276 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

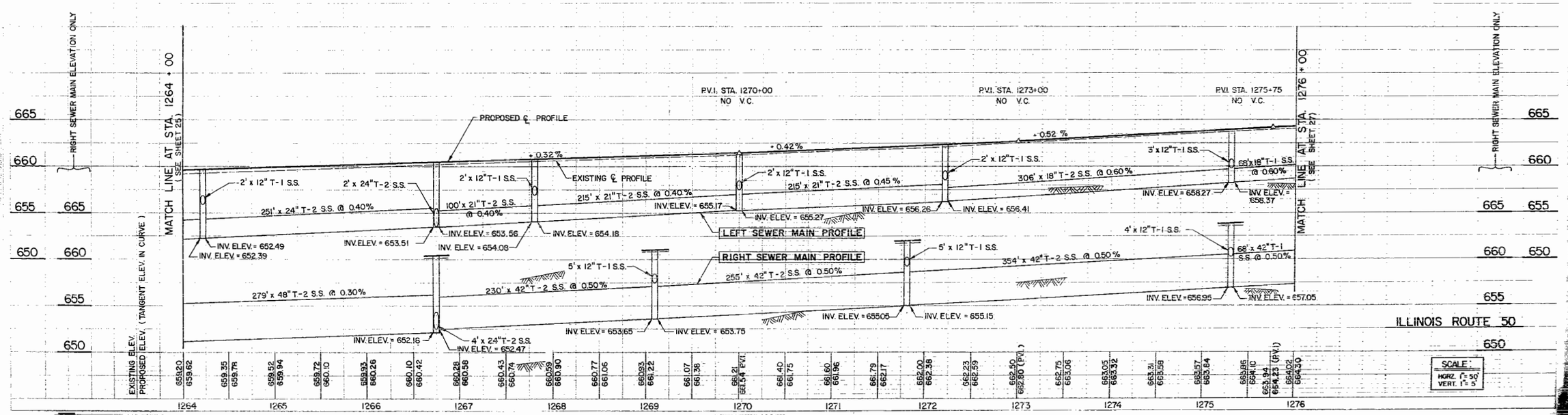
* 140 W B. RS-4

SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.



SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.

BENCHMARK NO. 12	BENCHMARK NO. 13	BENCHMARK NO. 14	BENCHMARK NO. 15
TOP WEST EDGE OF STEEL FRAME OF SANITARY SEWER M.H., 60' RT., STA. 1264 + 80 ELEV. 658.71	TOP WEST EDGE STEEL OUTER FRAME OF ILLINOIS BELL TELEPHONE M.H. 40' RT., STA. 1265 + 34 ELEV. 657.84	TOP WEST EDGE OF STEEL FRAME OF SANITARY M.H. 60' RT., STA. 1270 + 50 ELEV. 659.63	TOP WEST EDGE OF STEEL FRAME OF SANITARY M.H. 60' RT., STA. 1273 + 70 ELEV. 663.98



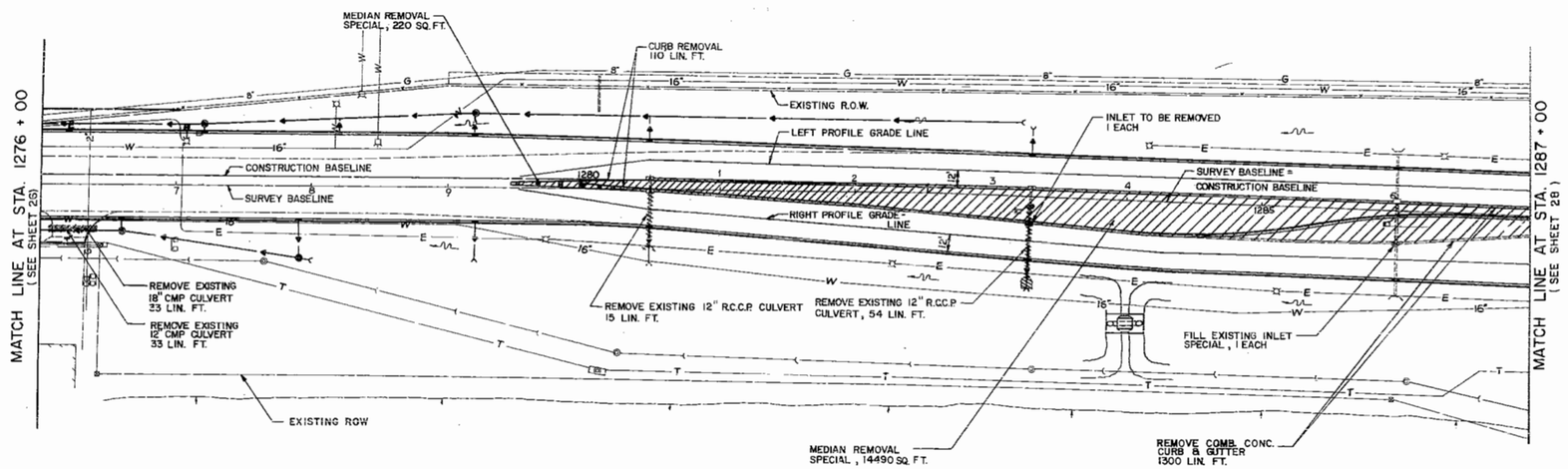
JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LAF
STATE OF ILLINOIS
PRINTED IN U.S.A.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	↓	KANKAKEE	85	27
STA. 1276 + 00		TO STA. 1287 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

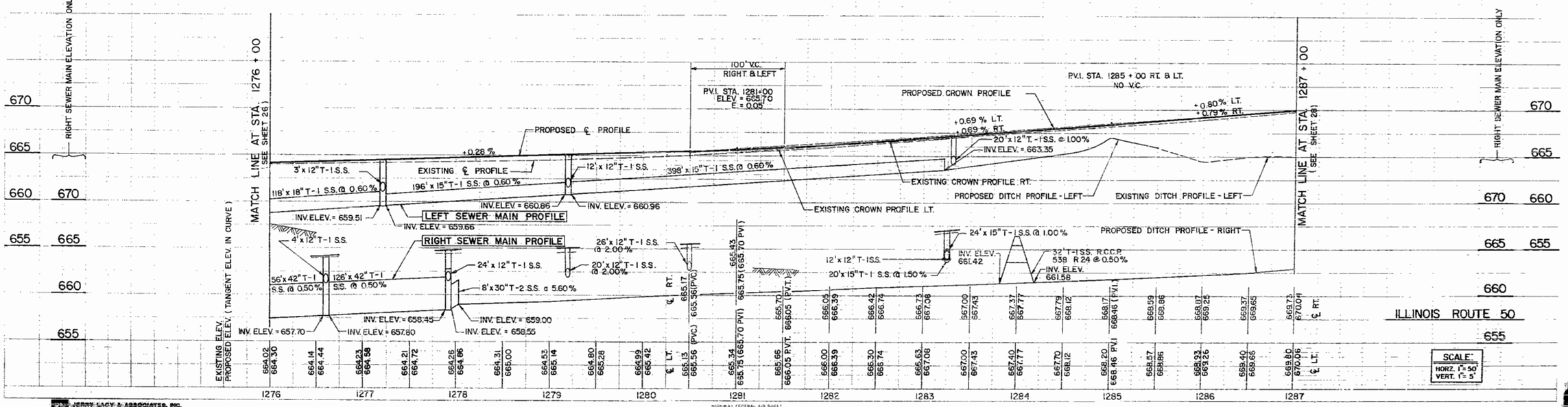
+ 140 W.B. RS-4

SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.



SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.

BENCHMARK NO. 16	BENCHMARK NO. 17	BENCHMARK NO. 18	BENCHMARK NO. 19	BENCHMARK NO. 20	BENCHMARK NO. 21
CHISELED "O" IN TOP OF S.W. CORNER OF FOOTING OF SMACK & SNACK SIGN FOR PEE-WEES DRIVE-IN. 65' RT., STA. 1276 + 43 ELEV. 665.13	TOP WEST EDGE OF STEEL FRAME OF SANITARY M.H. 60' RT., STA. 1277 + 70 ELEV. 664.02	TOP OF N.E. CAP BOLT OF FIRE HYDRANT 60' LT., STA. 1278 + 15 ELEV. 666.30	CHISELED "O" IN TOP OF CONCRETE HEADWALL 45' RT., STA. 1280 + 50 ELEV. 663.89	TOP WEST EDGE OF STEEL FRAME OF SANITARY M.H. 125' RT., STA. 1283 + 35 ELEV. 665.92	TOP WEST EDGE OF STEEL FRAME OF SANITARY M.H. 125' RT., STA. 1286 + 10 ELEV. 667.36



JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

HIGHWAY FEDERAL AID SHEET
PLATE 1 SINGLE PLAN AND PROFILE (FULL LINE)
STATE OF ILLINOIS
PRINTED IN U.S.A.

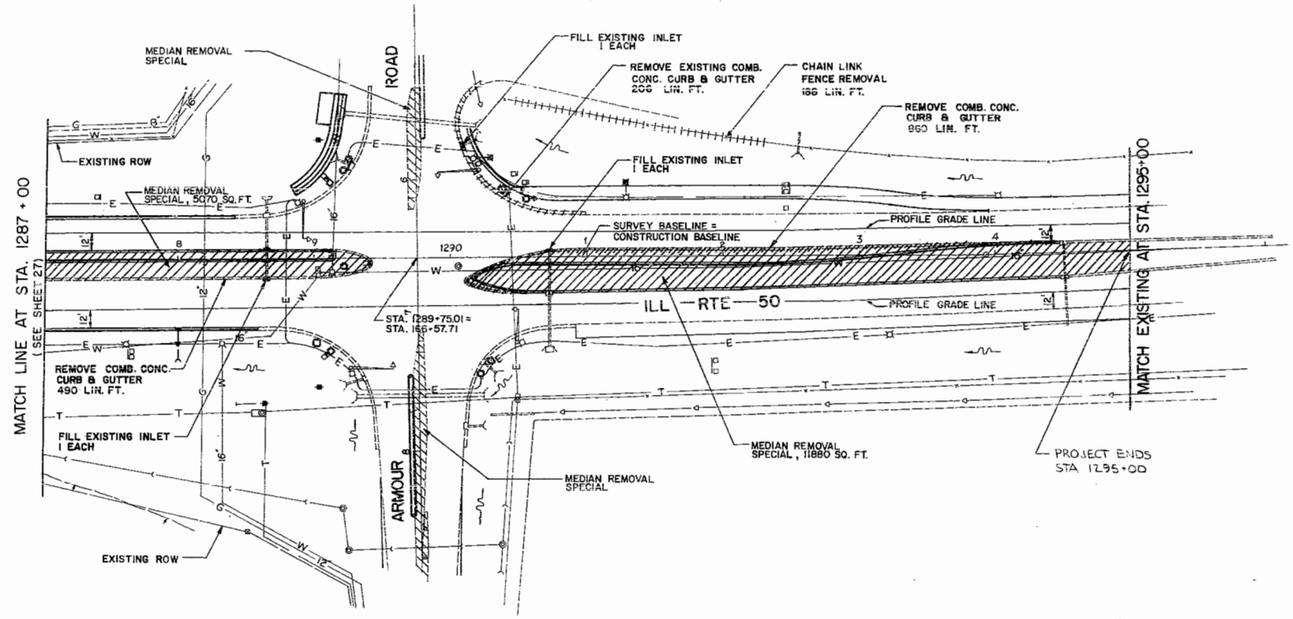
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	28
STA. 1267+00		TO STA. 1295+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

3

SECTION 21 - T. 31 N., R. 12 E., 3RD P.M.

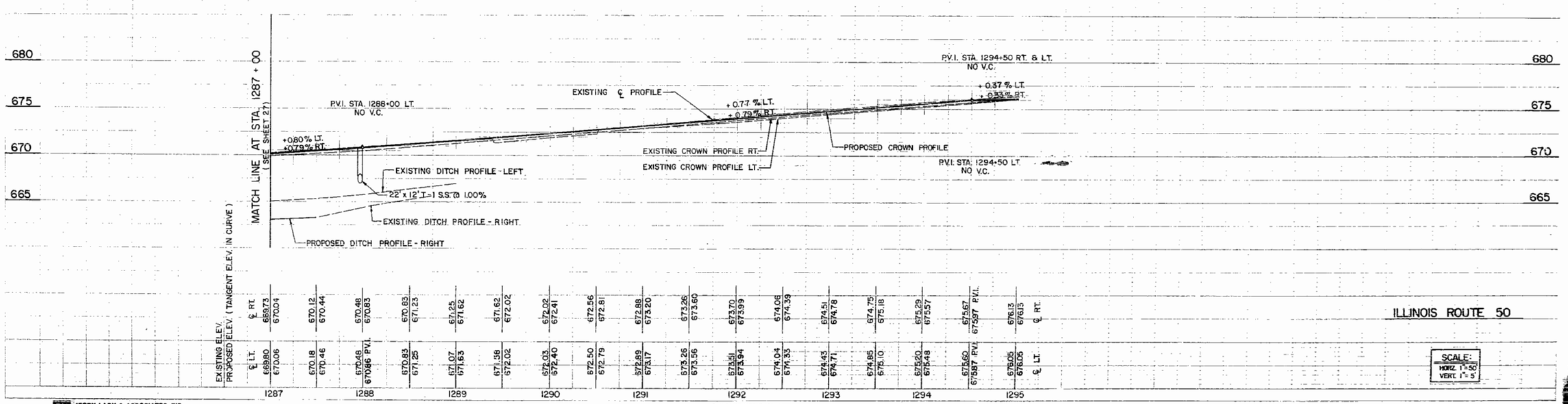
SECTION 16 - T. 31 N., R. 12 E., 3RD P.M.



SECTION 21 - T. 31 N., R. 12 E., 3RD P.M.

SECTION 16 - T. 31 N., R. 12 E., 3RD P.M.

BENCHMARK NO. 24	BENCHMARK NO. 22	BENCHMARK NO. 25
TOP OF THE R.O.W. MARKER AT THE NE. CORNER ARMOUR PHARMACEUTICAL FENCE 90' LT., STA. 1288 + 00 ELEV. 671.09	CHISELED "C" IN TOP WEST END OF SOUTH CONCRETE HEADWALL, S.E. CORNER OF ILL. RT. 50 & ARMOUR RD. 105' RT., STA. 1289 + 30 ELEV. 669.49	TOP OF BRASS DISC AT CENTER OF ARMOUR ROAD & ILL. RT. 50 INTERSECTION, STA. 1289 + 75.01 (ILL. RT. 50), STA. 166 + 57.71 (ARMOUR ROAD) ELEV. 671.65



JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

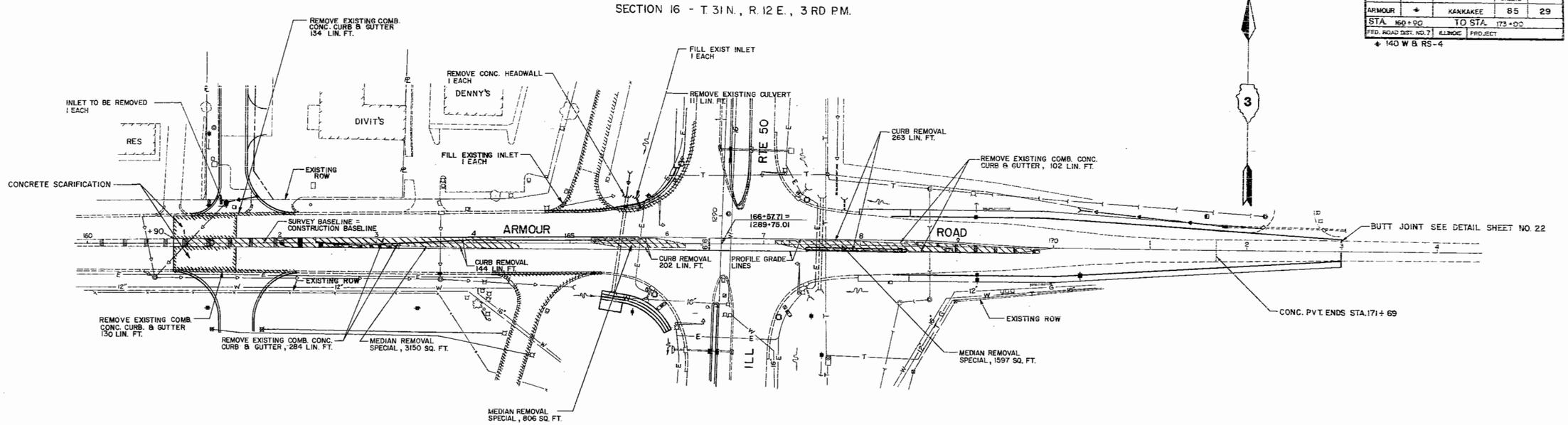
HIGHWAY FEDERAL AID SHEET
BASELINE
PRINTED IN U.S.A.

PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ARMOUR	*	KANKAKEE	85	29
STA. 160+90		TO STA. 173+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

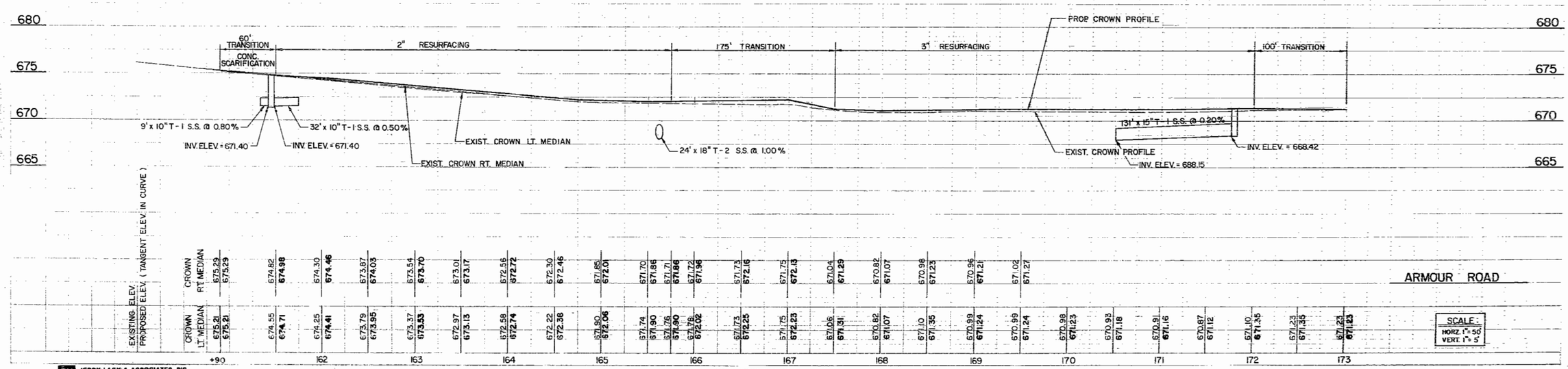
* 140 W B RS-4

SECTION 16 - T. 31 N., R. 12 E., 3 RD P.M.



SECTION 21 - T. 31 N., R. 12 E., 3 RD P.M.

BENCHMARK NO. 26
TOP OF N.E. CAP BOLT OF FIRE HYDRANT, WEST SIDE ARMOUR PHARMACEUTICAL ENTRANCE 32' RT. ARMOUR ℄, STA. 164+20 ELEV. 67429.



JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

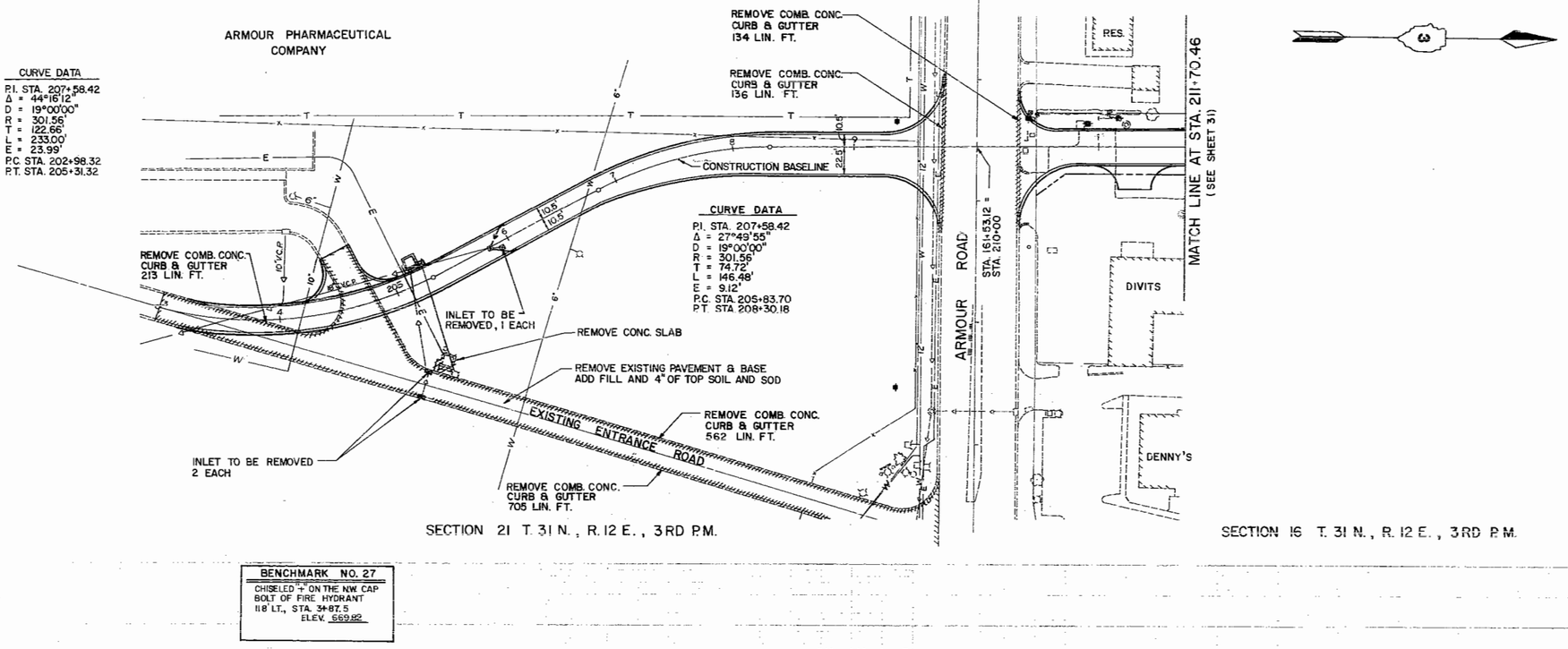
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FRONTAGE	*	KANKAKEE	85	30
STA. 202+98.32		TO STA. 211+70.46		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

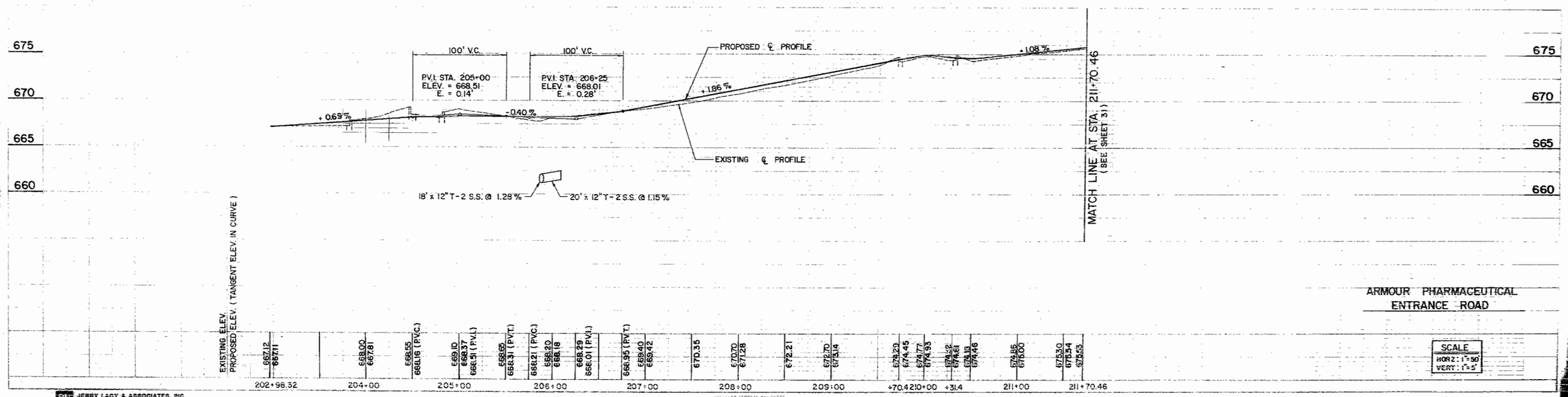
SECTION 21 T. 31 N., R. 12 E., 3RD P.M.

SECTION 16 T. 31 N., R. 12 E., 3RD P.M.



BENCHMARK NO. 27

CHISELED "+" ON THE NW. CAP BOLT OF FIRE HYDRANT 118' LT., STA. 3+87.5
ELEV. 669.82



ARMOUR PHARMACEUTICAL ENTRANCE ROAD

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

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLOT 1 SINGLE PLAN AND PROFILE-FULL LINE

L.P.M. M.A.R. T.E.H. MAR.1986 OCT.1985

PLAN L-244

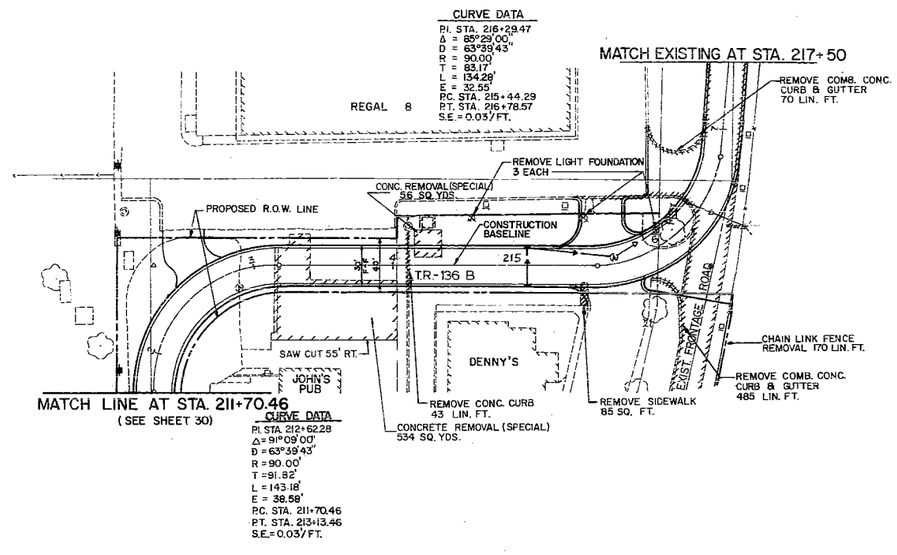
L.P.M. M.A.R. T.E.H. MAR.1986 OCT.1985

PROFILE L-244

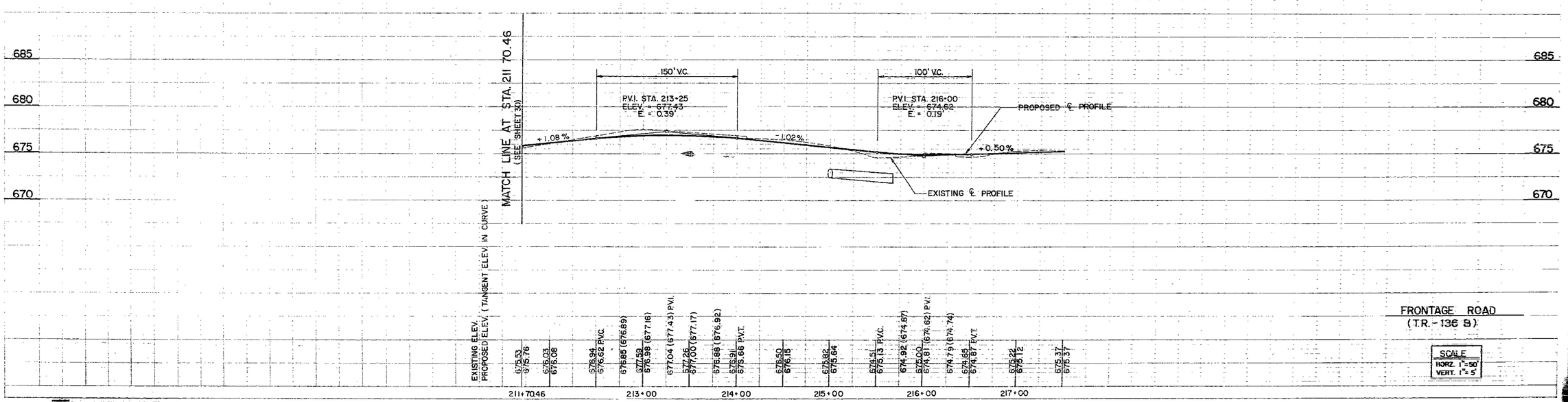
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 50	*	KANKAKEE	85	31
STA. 211+70.46		TO STA. 217+50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

SECTION 16 T. 31 N., R. 12 E., 3RD P.M.



SECTION 16 T. 31 N., R. 12 E., 3RD P.M.

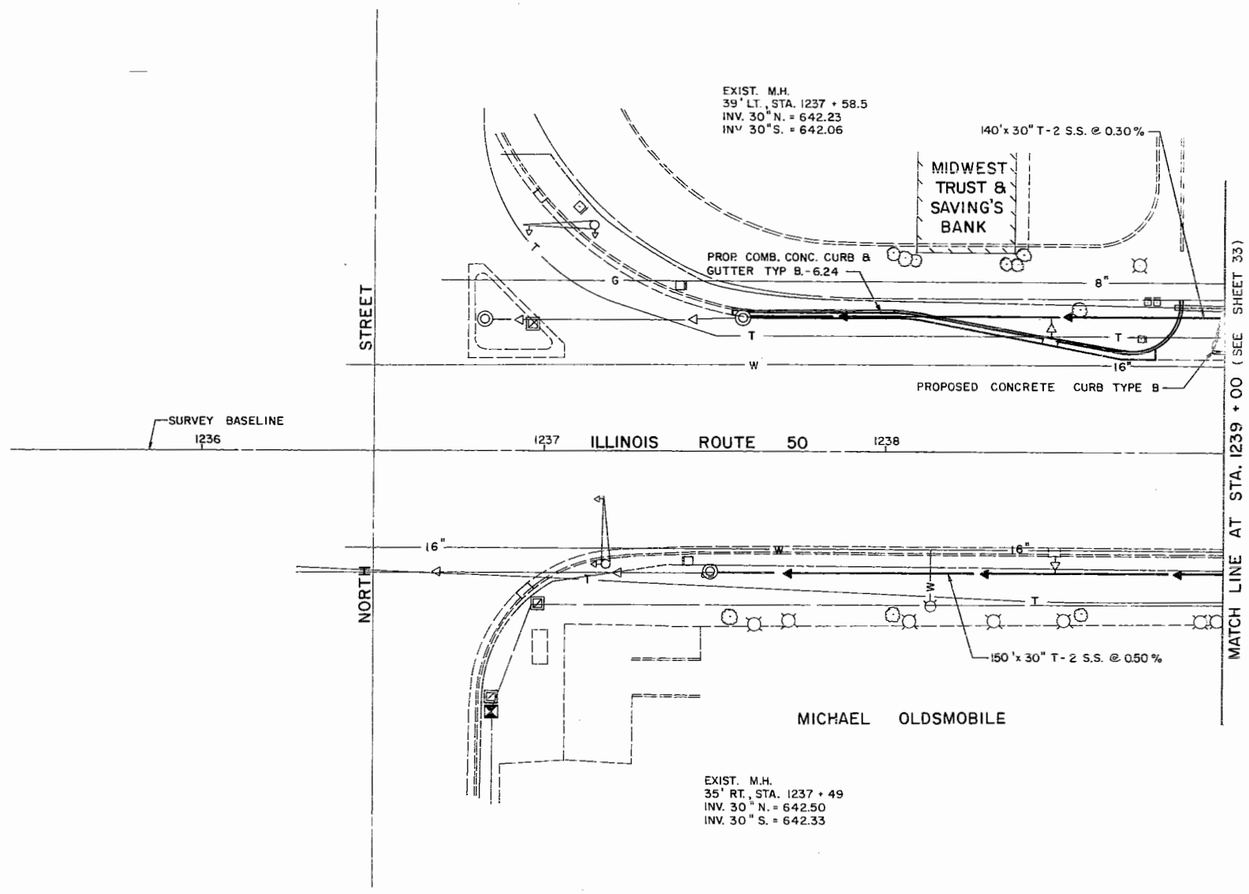


JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE
PRINTED IN U.S.A.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	32
STA. 1236 + 00		TO STA. 1239 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS - 4



DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1236+00 TO STA. 1239+00

SCALE 1"=20'

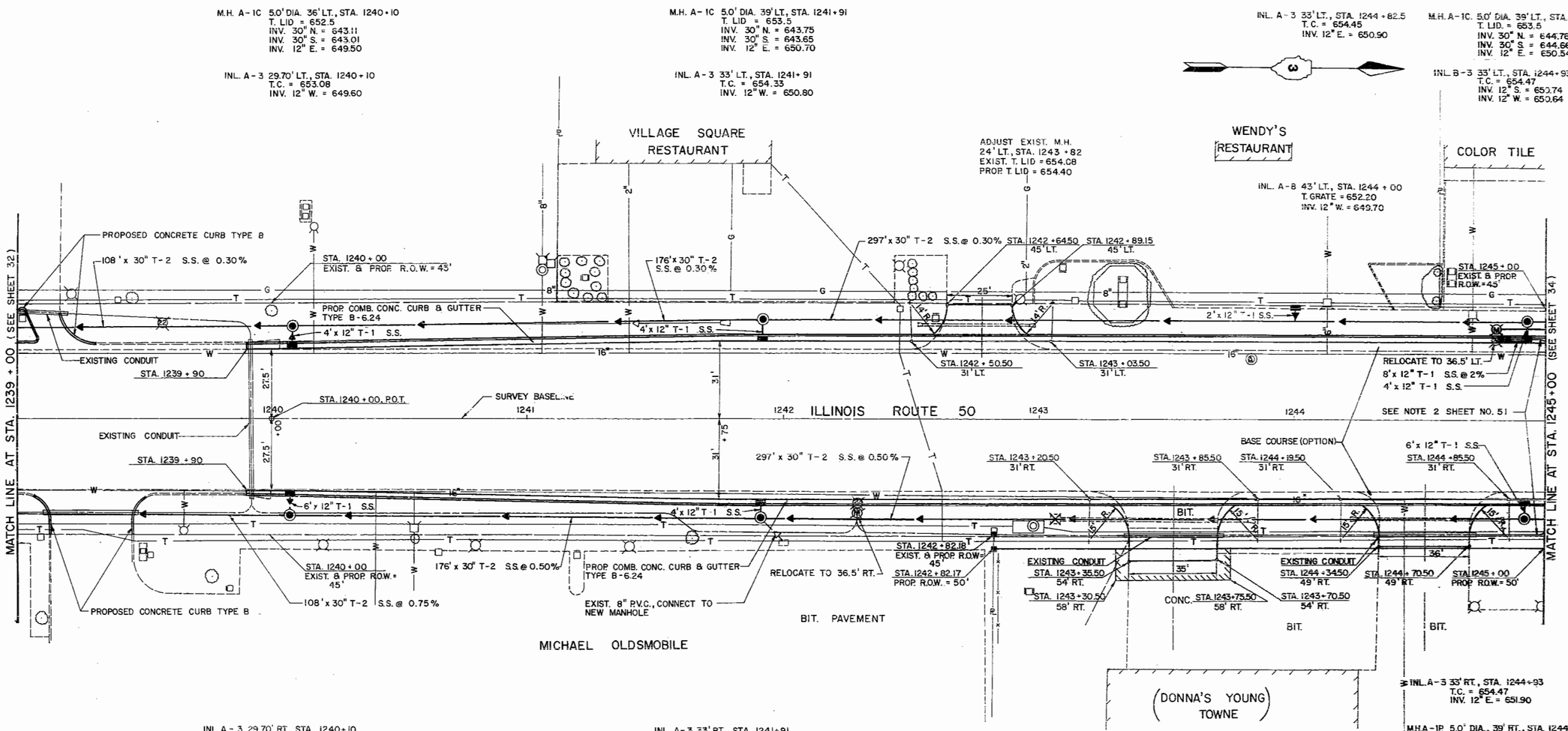
DATE 10-30-86

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	33
STA. 1239 + 00		TO STA. 1245 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS - 4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

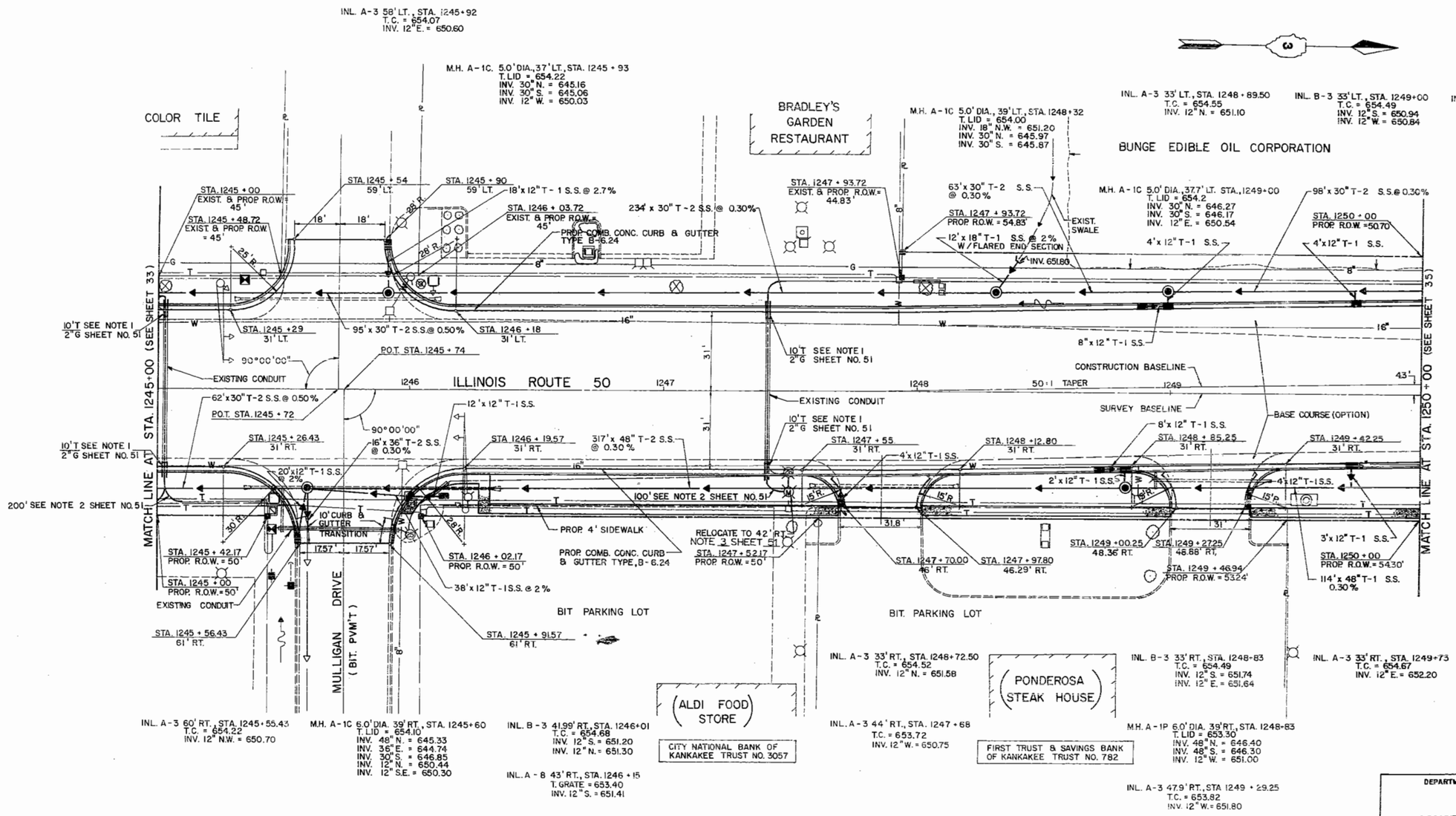
STA. 1239+00 TO STA. 1245+00

SCALE 1"=20'

DATE 10-30-86
CHECKED BY GAR

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	34
STA. 1245 + 00		TO STA. 1250 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1245 + 00 TO STA. 1250 + 00

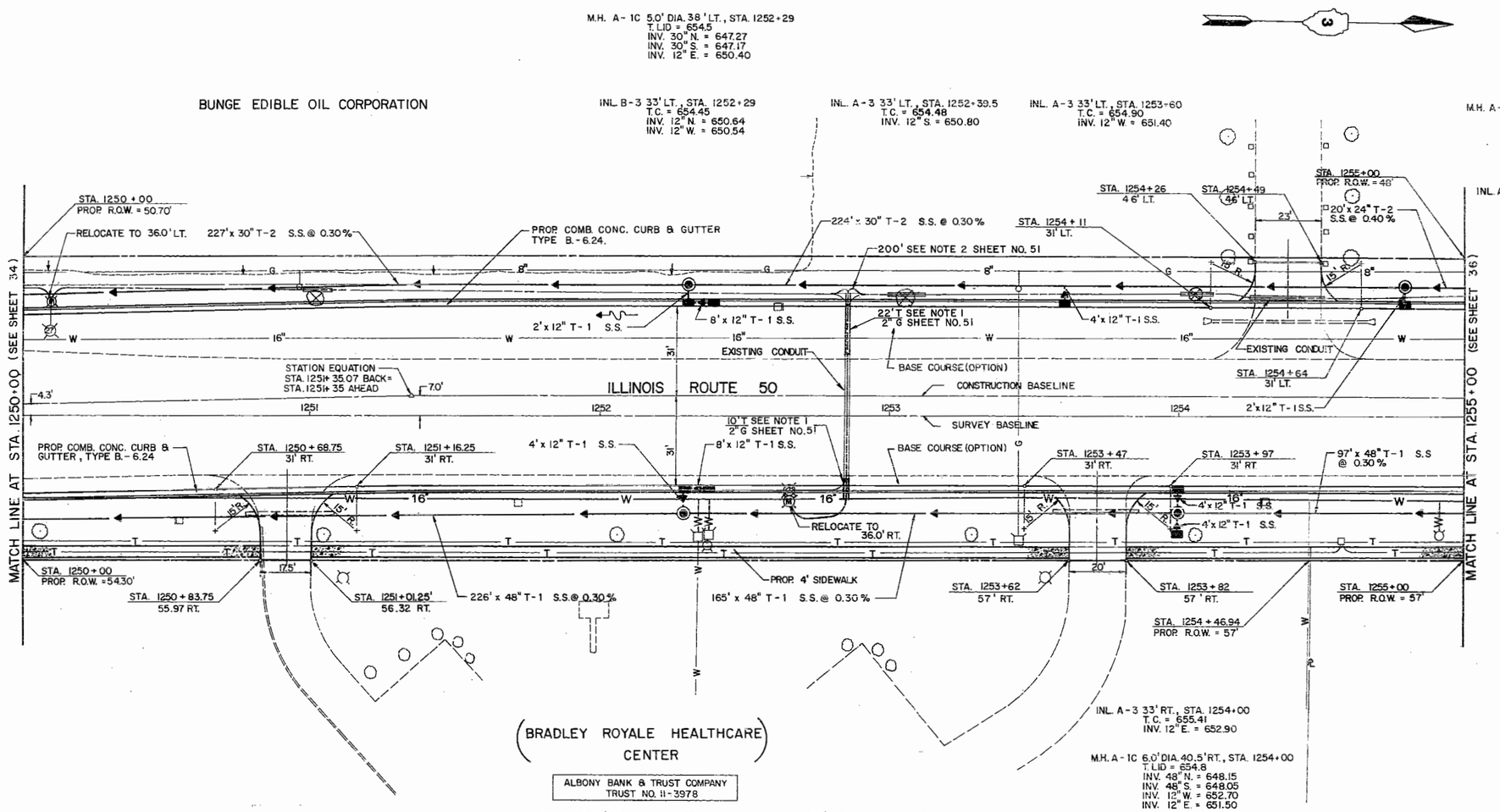
SCALE 1" = 20'

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I.L. 50	*	KANKAKEE	85	35
STA. 1250 + 00		TO STA. 1255 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1250+00 TO STA. 1255+00

SCALE 1" = 20'

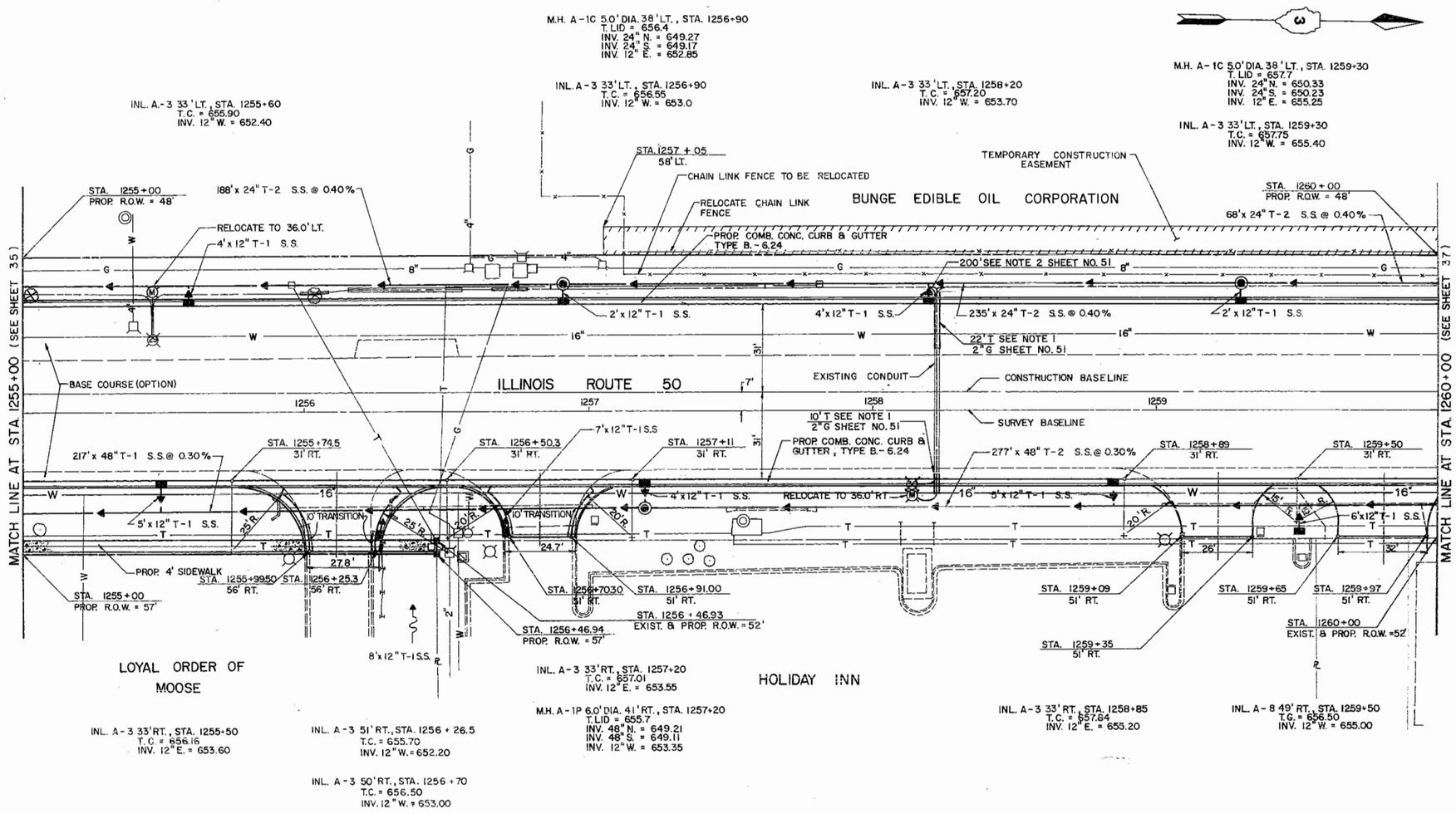
DATE 10-30-86

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.50	*	KANKAKEE	85	36
STA. 1255+00		TO STA. 1260+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1255+00 TO STA. 1260+00

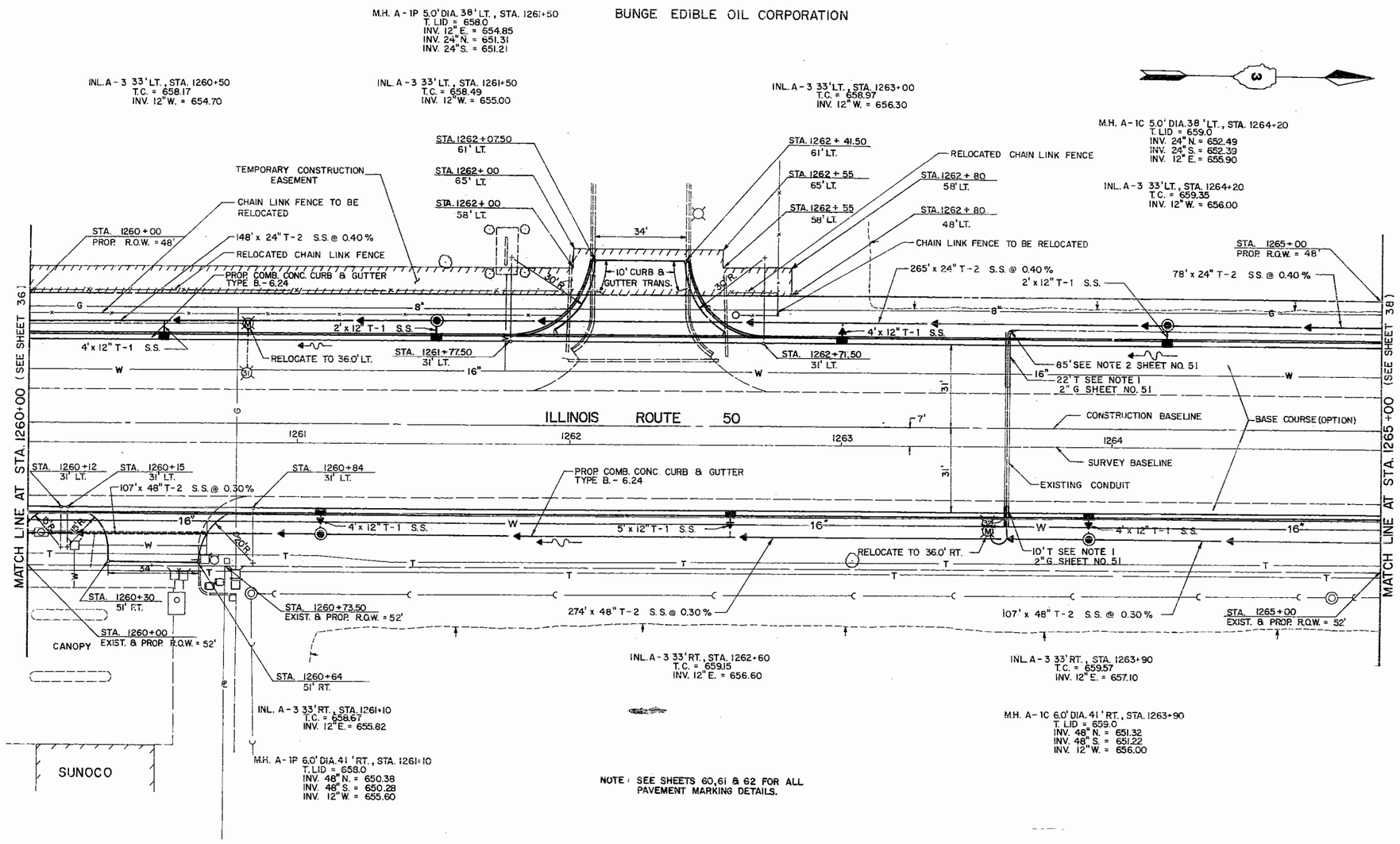
SCALE 1"=20'

DATE 10-30-86

CHECKED BY G.E.B.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	37
STA. 1260+00		TO STA. 1265+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. B RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1260+00 TO STA. 1265+00

SCALE 1"=20'

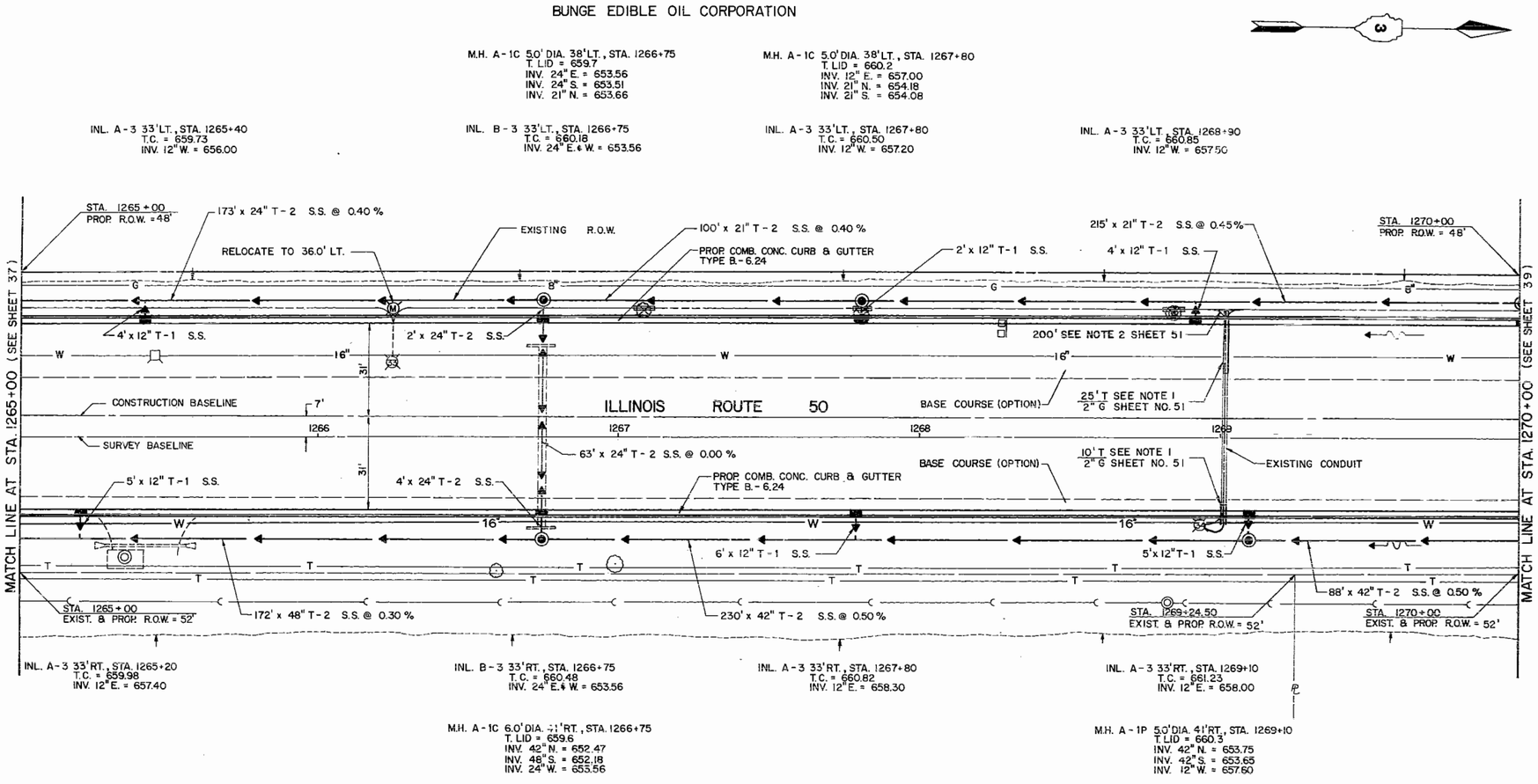
DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	38
STA. 1265 + 00		TO STA. 1270 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS - 4

BUNGE EDIBLE OIL CORPORATION



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1265+00 TO STA. 1270+00

SCALE 1" = 20'

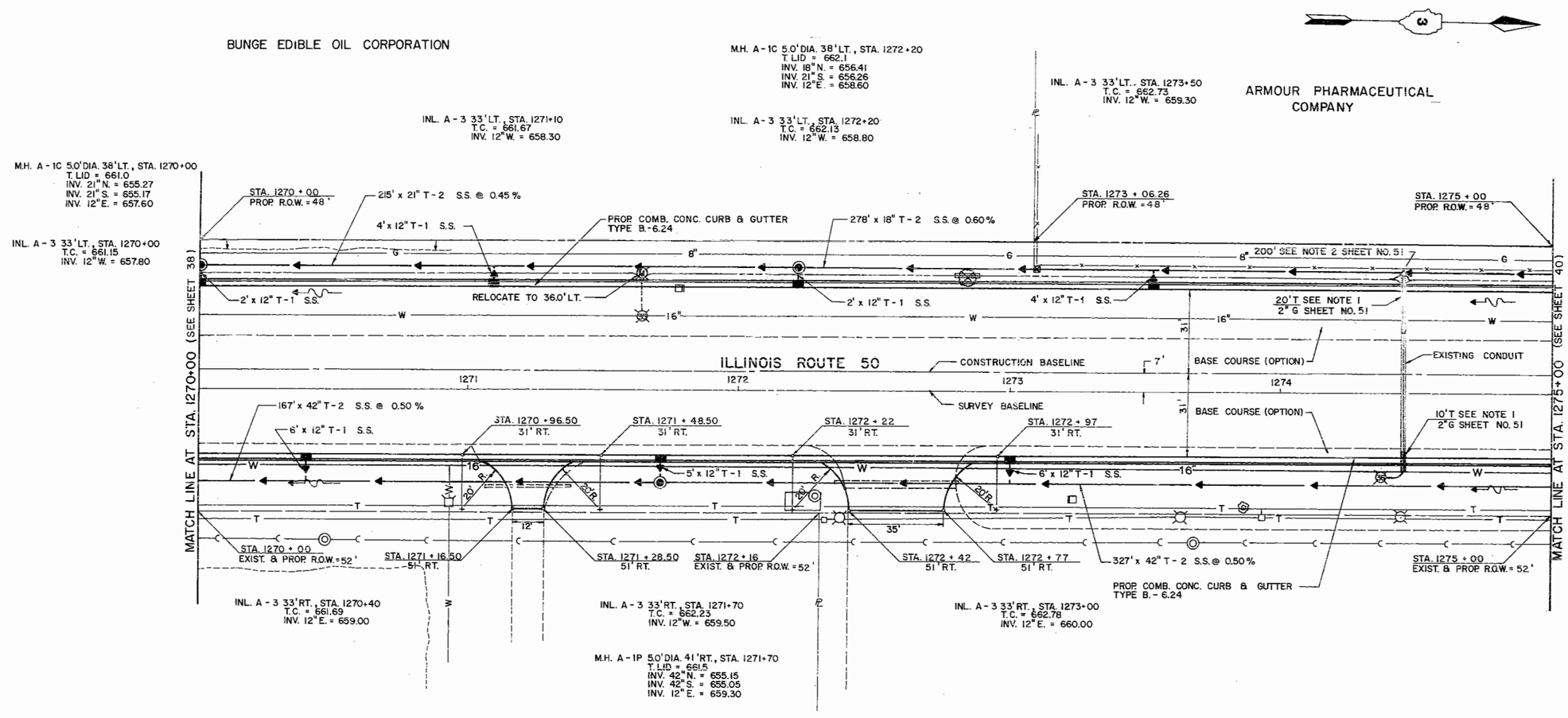
DATE 10-30-86

CHECKED BY C.A.R.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	39
STA. 1270 + 00		TO STA. 1278 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1270+00 TO STA. 1275+00

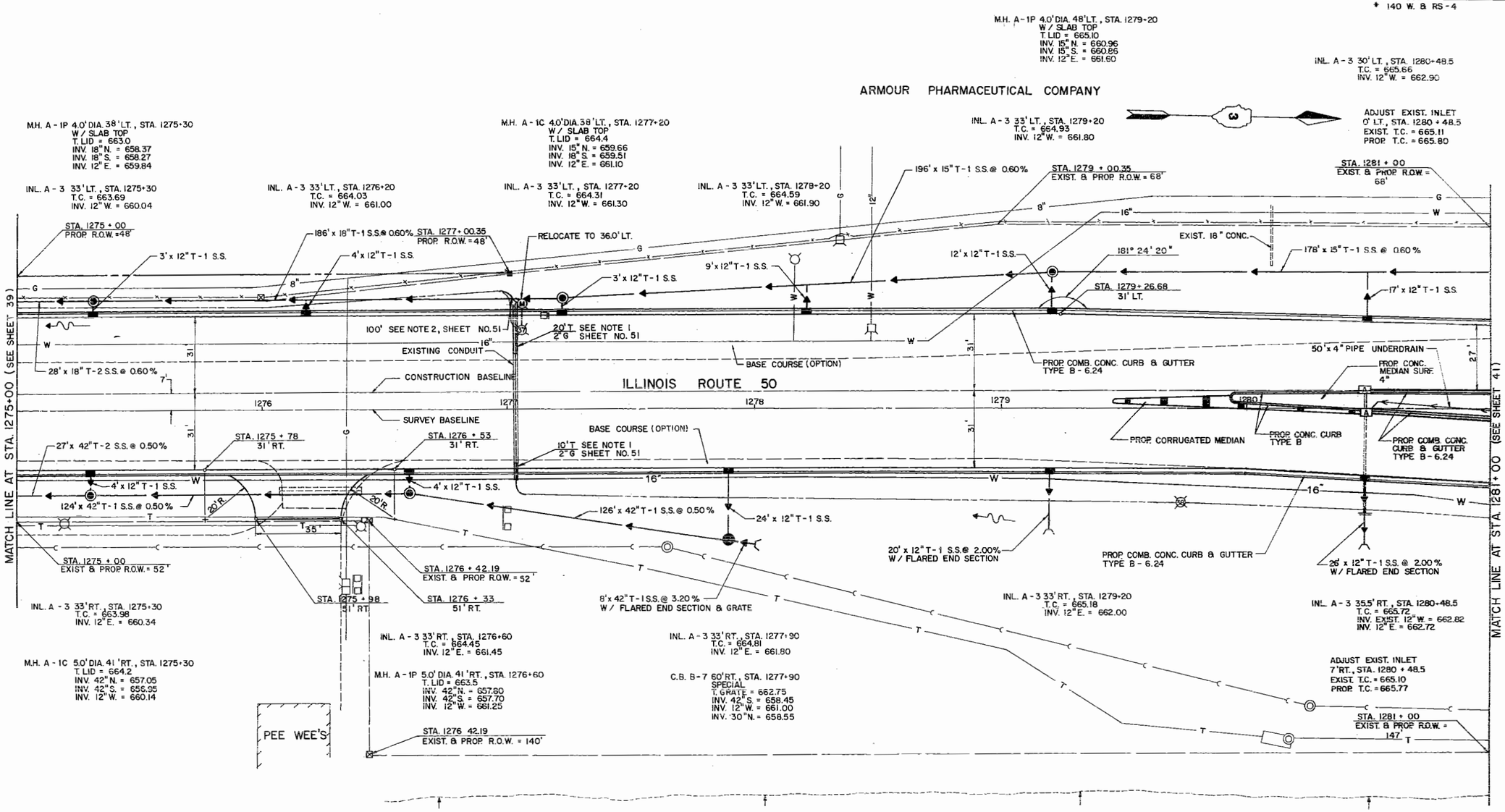
SCALE 1" = 20'

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	40
STA. 1275 + 00		TO STA. 1281 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1275+00 TO STA. 1281+00

SCALE 1"=20'

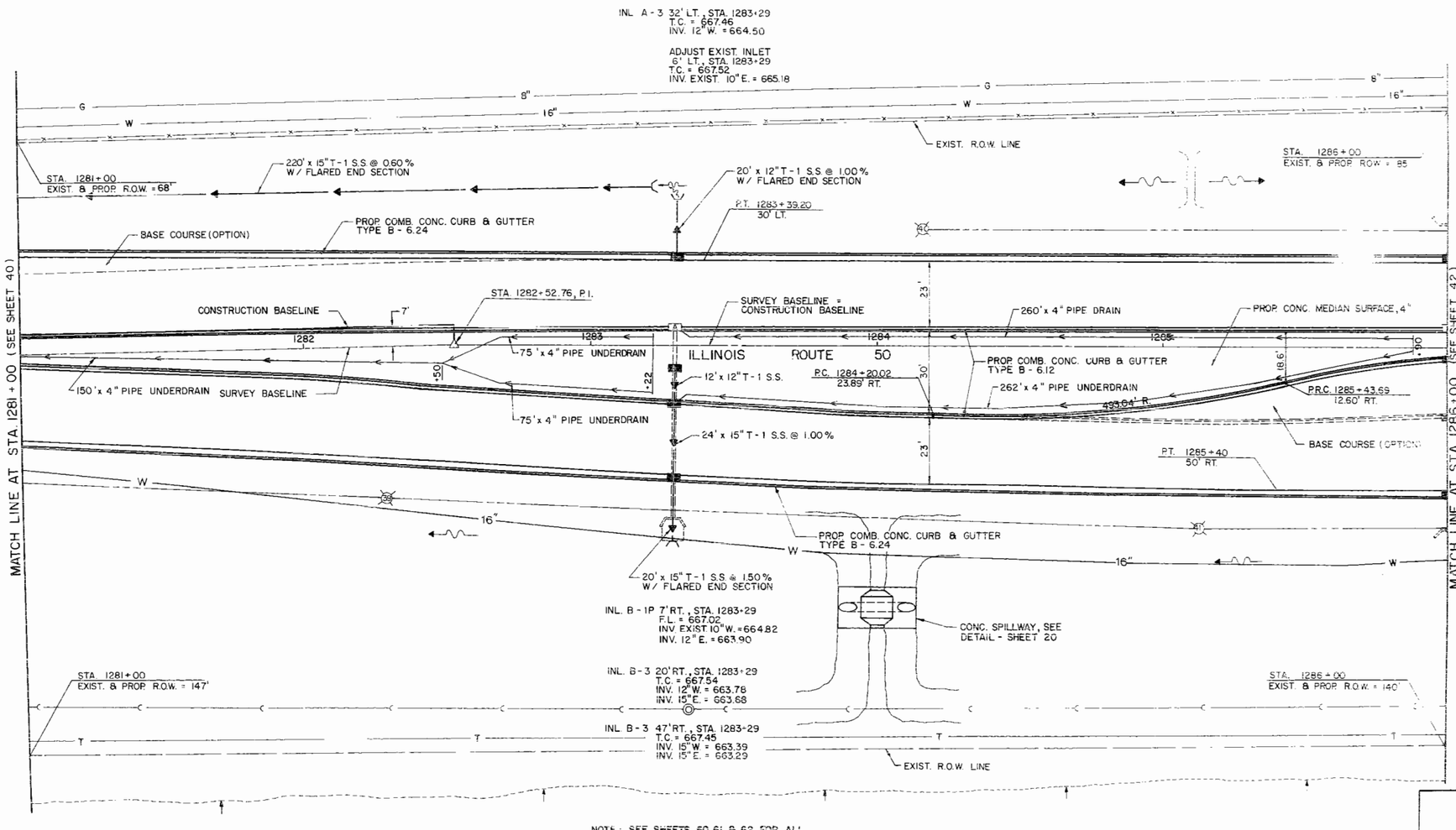
DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.

ROUTING	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 50	+	KANKAKEE	80	2
STA. 1281+00		TO STA. 1286+00		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

+ 40 W B 59-2

ARMOUR PHARMACEUTICAL COMPANY



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

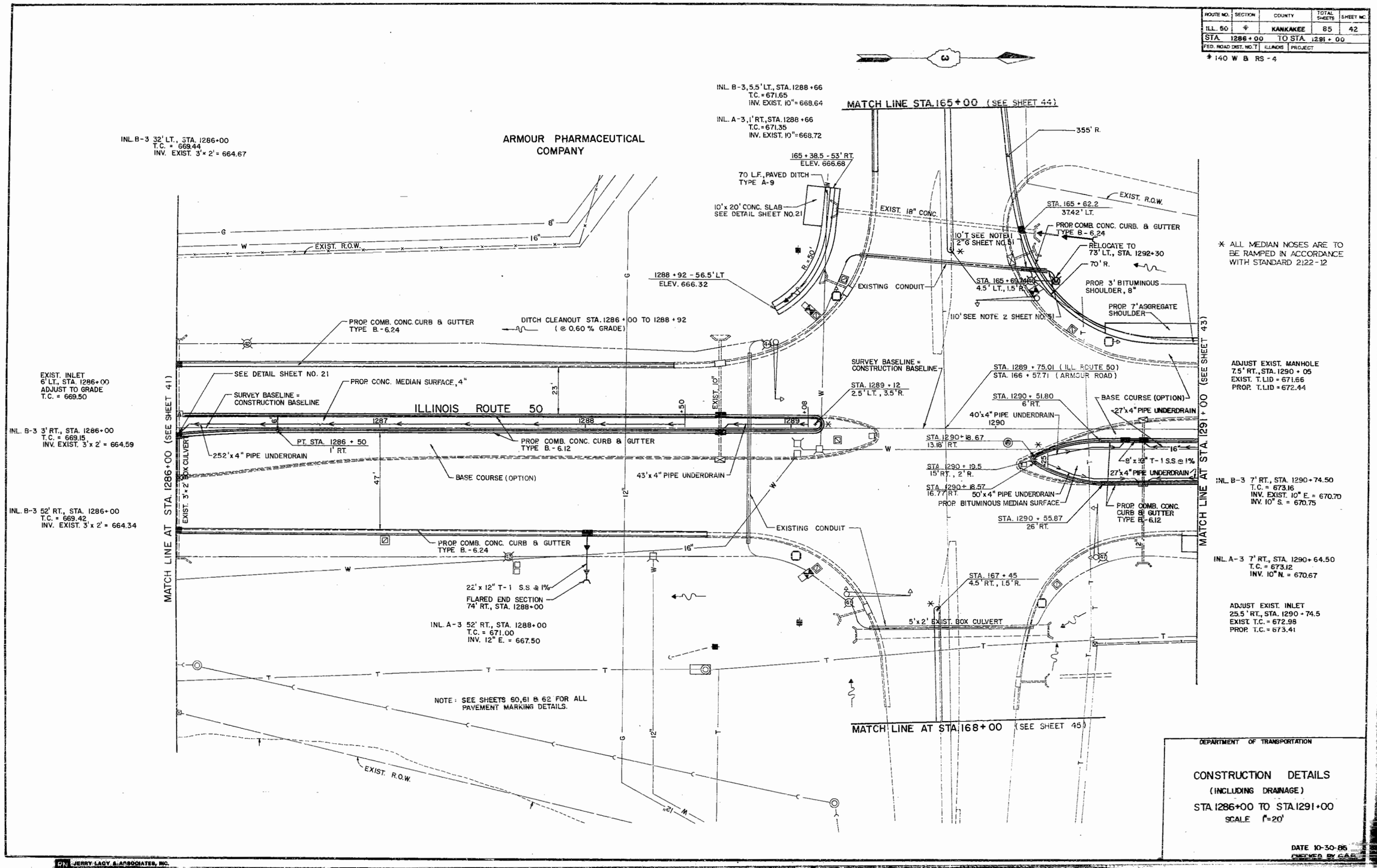
CONSTRUCTION DETAILS
(INCLUDING DRAINAGE)
STA. 1281+00 TO STA. 1286+00
SCALE 1" = 20'

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	42
STA. 1286+00		TO STA. 1291+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W B RS-4



DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1286+00 TO STA. 1291+00

SCALE 1" = 20'

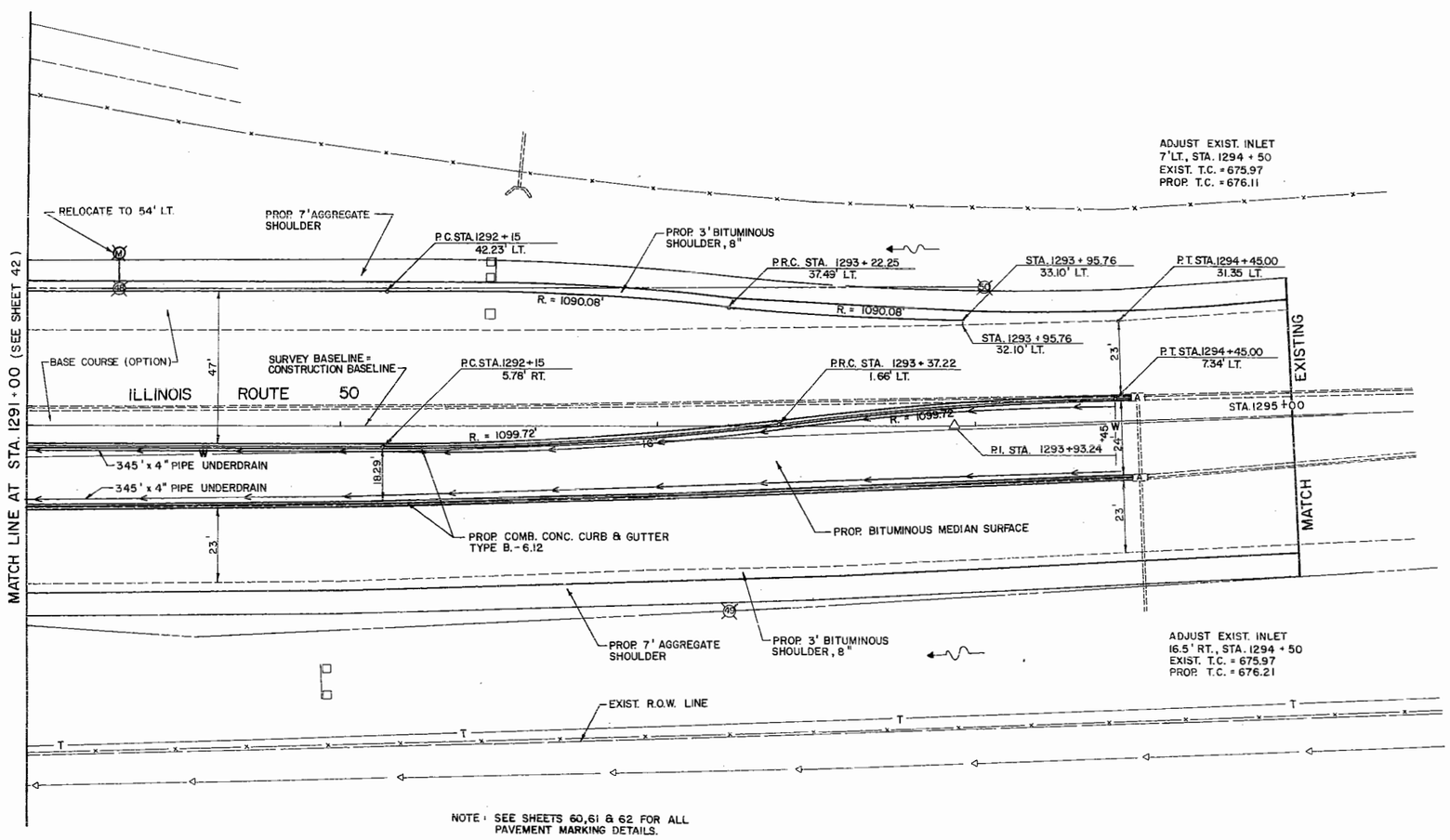
DATE 10-30-95

CHECKED BY C.A.E.

JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	43
STA. 1291 + 00	TO STA. 1295 + 00			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS - 4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 1291 + 00 TO STA. 1295 + 00

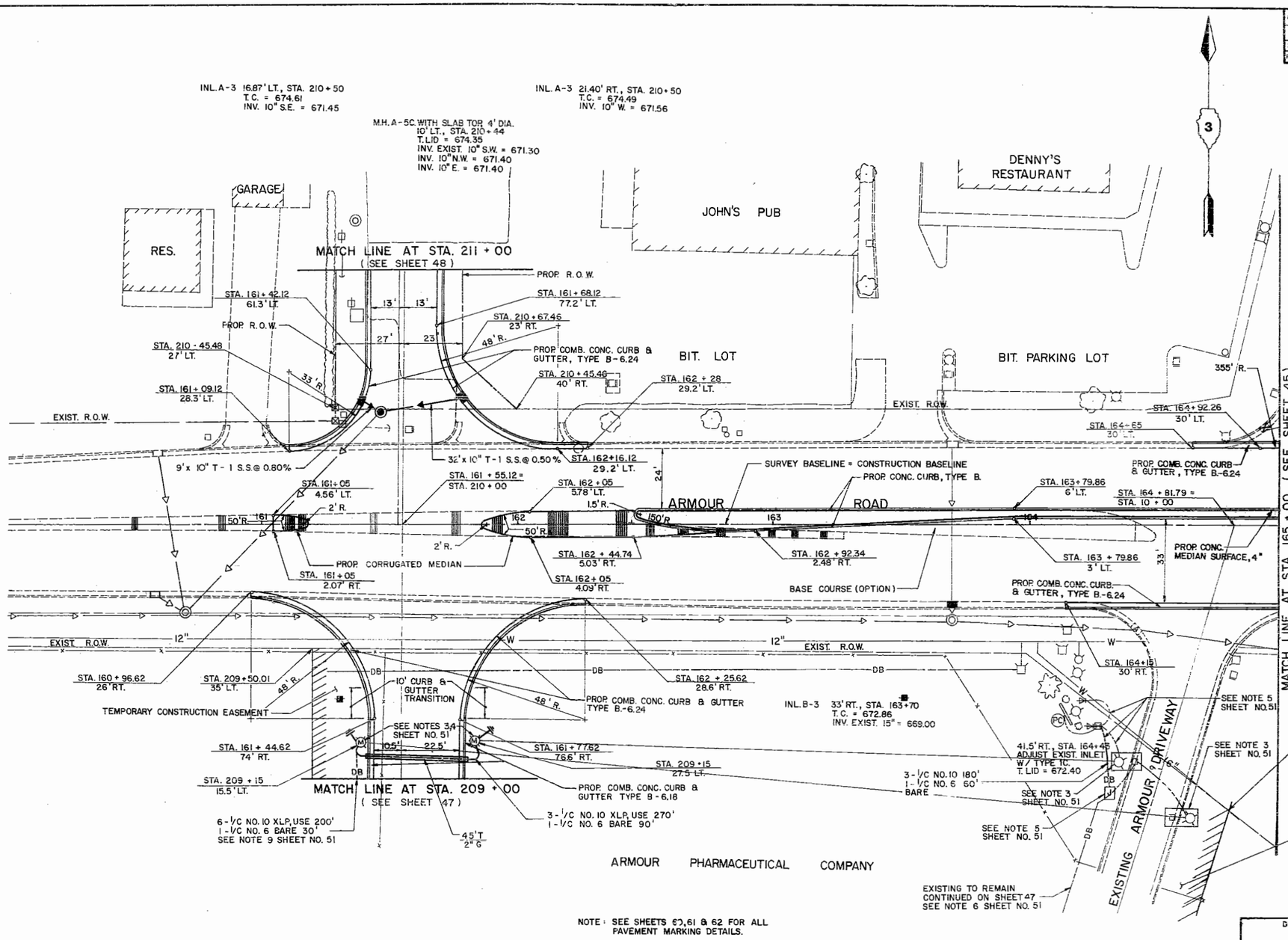
SCALE 1" = 20'

DATE 10-20-96

CHECKED BY G.A.B.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	44
STA. 160 + 90		TO STA. 165 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS - 4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 160 + 90 TO STA. 165 + 00

SCALE 1" = 20'

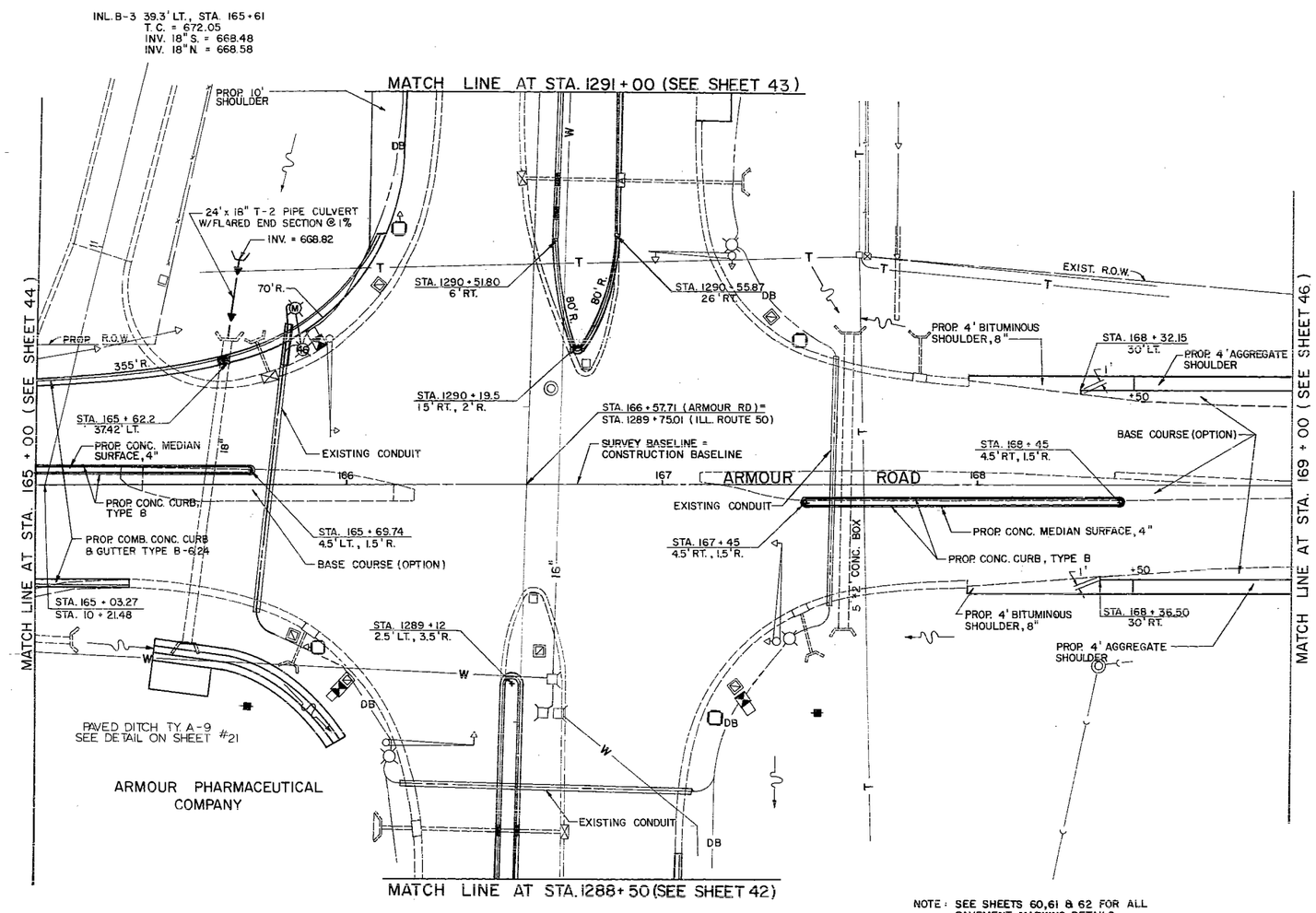
DATE 10-30-86

DRAWN BY

RN JERRY LADT & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	95	45
STA. 165 + 00		TO STA. 169 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



NOTE: SEE SHEETS 60, 61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

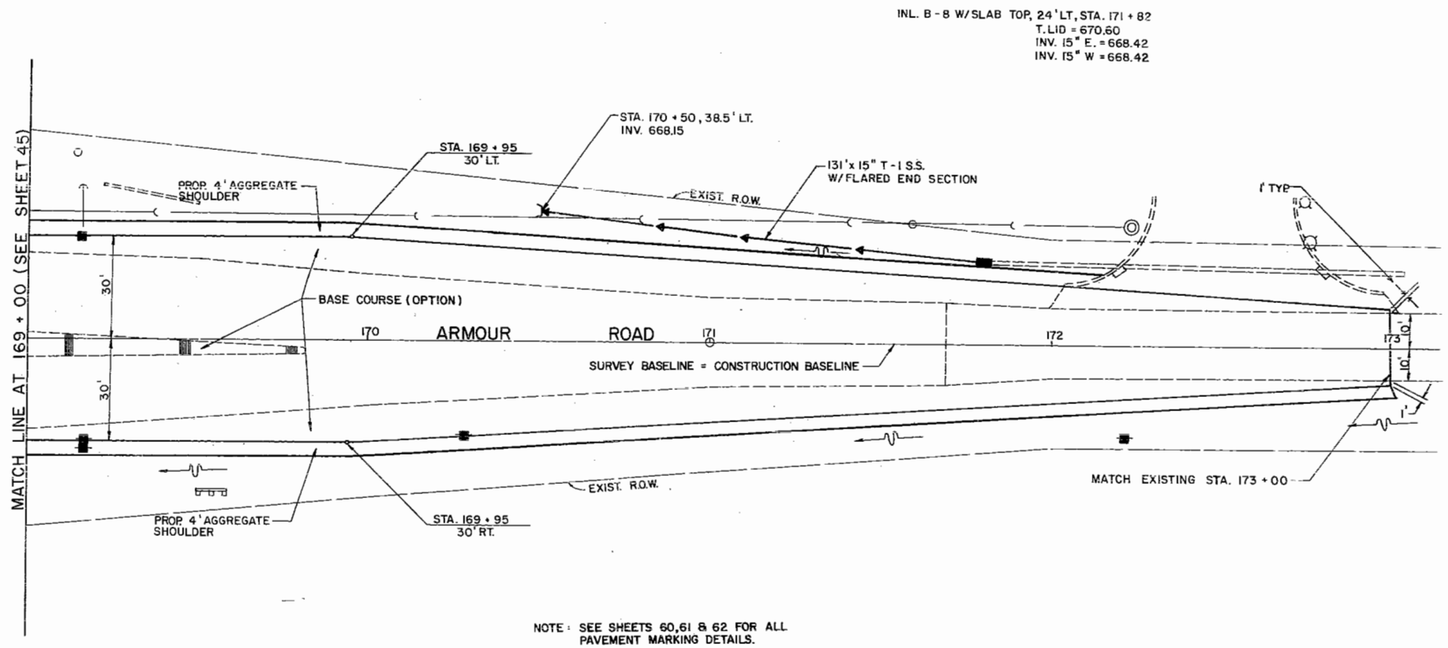
STA. 165+00 TO STA. 169+00

SCALE 1" = 20'

DATE 10-30-86

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	46
STA. 169 + 00		TO STA. 173 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS - 4



NOTE: SEE SHEETS 60,61 & 62 FOR ALL PAVEMENT MARKING DETAILS.

DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 169 + 00 TO STA. 173 + 00

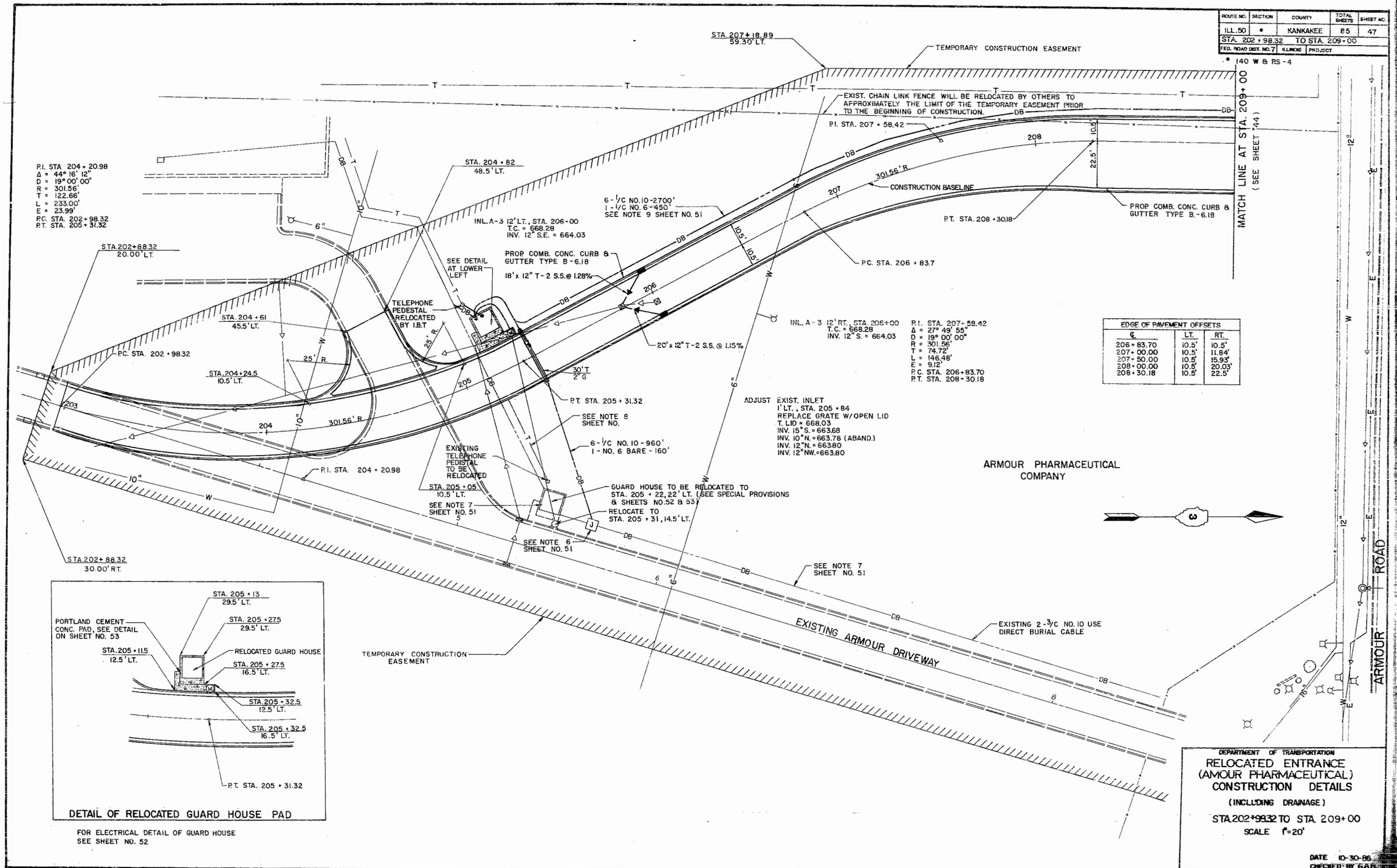
SCALE 1" = 20'

DATE 10-30-80

CHECKED BY G.A.B.

JERSEY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	47
STA. 202 + 98.32 TO STA. 209 + 00				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



EDGE OF PAVEMENT OFFSETS		
℄	LT.	RT.
206 + 83.70	10.5'	10.5'
207 + 00.00	10.5'	11.84'
207 + 50.00	10.5'	15.93'
208 + 00.00	10.5'	20.03'
208 + 30.18	10.5'	22.5'

DEPARTMENT OF TRANSPORTATION

RELOCATED ENTRANCE (AMOUR PHARMACEUTICAL) CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 202+98.32 TO STA. 209+00

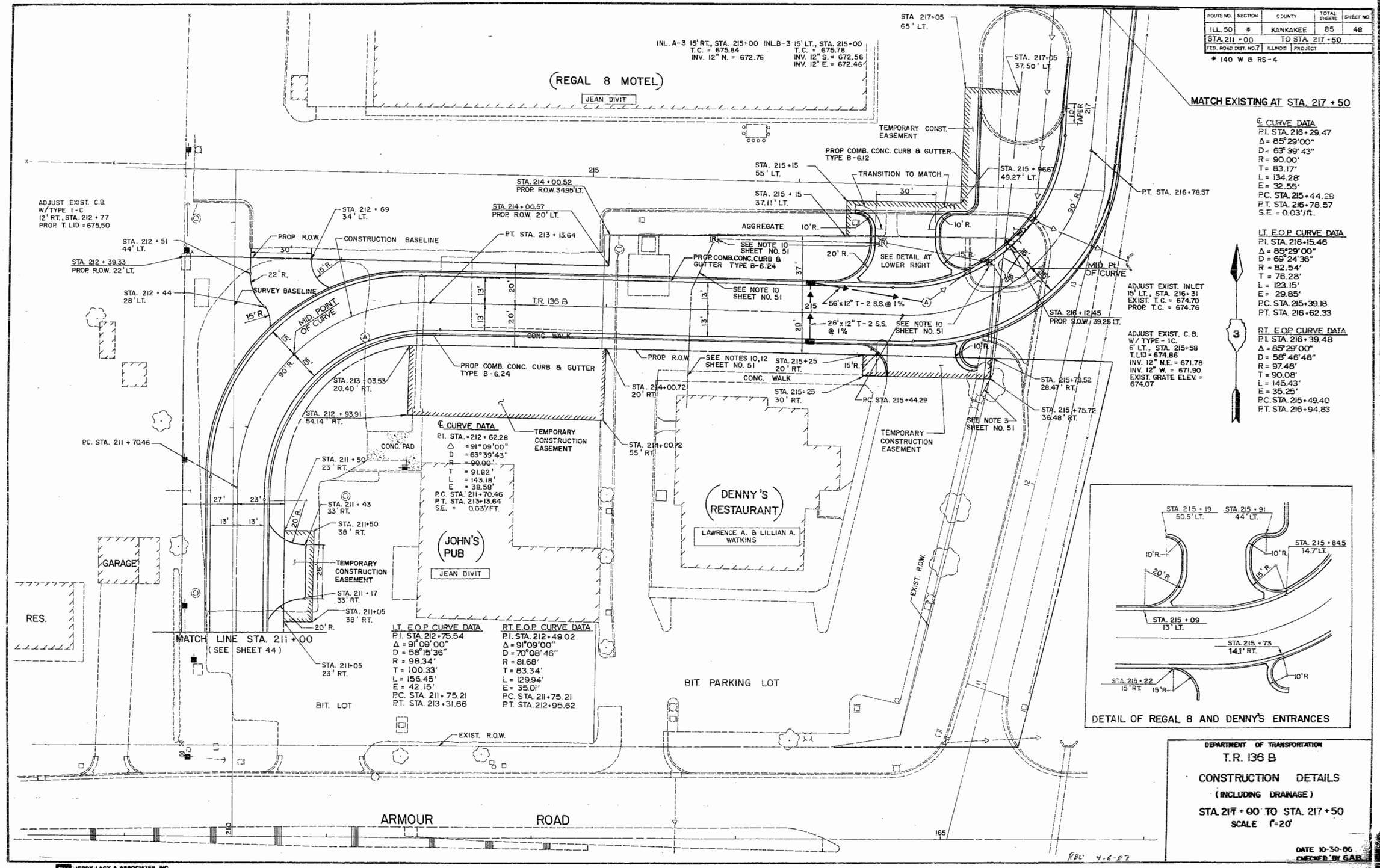
SCALE 1" = 20'

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	48
STA. 211 + 00		TO STA. 217 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



℄ CURVE DATA
P.I. STA. 216 + 29.47
Δ = 85°29'00"
D = 63°39'43"
R = 90.00'
T = 83.17'
L = 134.28'
E = 32.55'
P.C. STA. 215+44.29
P.T. STA. 216+78.57
S.E. = 0.03'/ft.

LT. E.O.P. CURVE DATA
P.I. STA. 216+15.46
Δ = 85°29'00"
D = 69°24'36"
R = 82.54'
T = 76.28'
L = 123.15'
E = 29.85'
P.C. STA. 215+39.18
P.T. STA. 216+62.33

RT. E.O.P. CURVE DATA
P.I. STA. 216+39.48
Δ = 85°29'00"
D = 58°46'48"
R = 97.48'
T = 90.08'
L = 145.43'
E = 35.25'
P.C. STA. 215+49.40
P.T. STA. 216+94.83

℄ CURVE DATA
P.I. STA. 212 + 62.28
Δ = 91°09'00"
D = 63°39'43"
R = 90.00'
T = 91.82'
L = 143.18'
E = 38.58'
P.C. STA. 211+70.46
P.T. STA. 213+13.64
S.E. = 0.03'/FT.

LT. E.O.P. CURVE DATA
P.I. STA. 212+75.54
Δ = 91°09'00"
D = 58°15'36"
R = 98.34'
T = 100.33'
L = 156.45'
E = 42.15'
P.C. STA. 211+75.21
P.T. STA. 213+31.66

RT. E.O.P. CURVE DATA
P.I. STA. 212+49.02
Δ = 91°09'00"
D = 70°08'46"
R = 81.68'
T = 83.34'
L = 129.94'
E = 35.01'
P.C. STA. 211+75.21
P.T. STA. 212+95.62

DETAIL OF REGAL 8 AND DENNY'S ENTRANCES

DEPARTMENT OF TRANSPORTATION

T.R. 136 B

CONSTRUCTION DETAILS

(INCLUDING DRAINAGE)

STA. 211 + 00 TO STA. 217 + 50

SCALE 1" = 20'

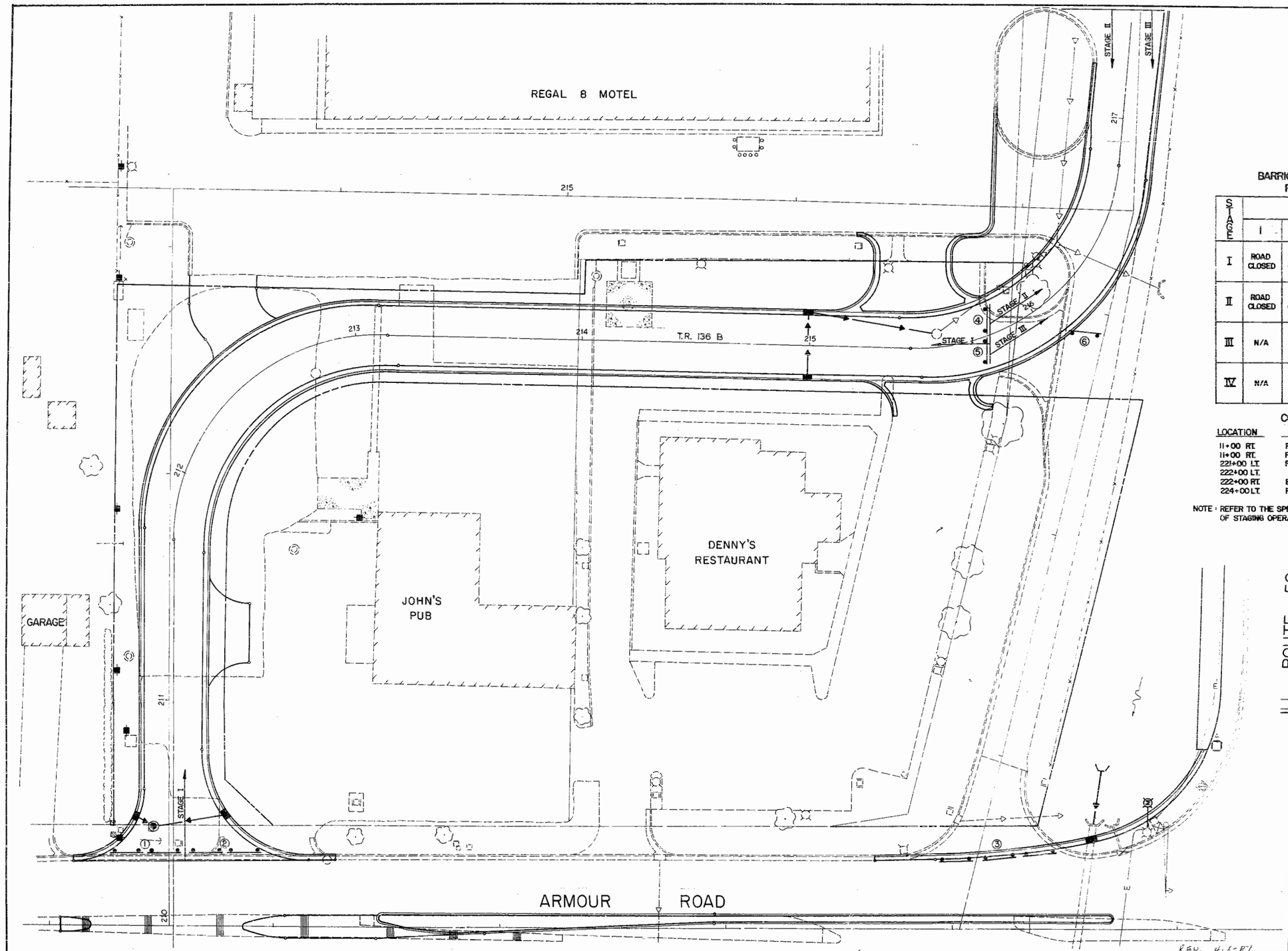
DATE 10-30-86

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	49
STA. 210 + 00		TO STA. 217 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



BARRICADES TYPE III WITH LIGHTS PLACEMENT AND SIGNING

STAGE	LOCATION 1	2	3	4	5	6
I	ROAD CLOSED	ROAD CLOSED	N/A	ROAD CLOSED	ROAD CLOSED	N/A
II	ROAD CLOSED	ROAD CLOSED	N/A	ROAD CLOSED	ROAD CLOSED	N/A
III	N/A	ROAD CLOSED	ROAD CLOSED TO THRU TRAFFIC	N/A	ROAD CLOSED	ROAD CLOSED
IV	N/A	N/A	ROAD CLOSED	N/A	N/A	ROAD CLOSED

CONSTRUCTION SIGNS

LOCATION	MESSAGE	STAGE
11+00 RT.	ROAD CONSTRUCTION AHEAD W/LIGHT	II, III
11+00 RT.	FLAGMAN AHEAD	II, III
221+00 LT.	FLAGMAN AHEAD	II, III
222+00 LT.	W/LIGHT	III, IV
222+00 RT.	END CONSTRUCTION	II, III, IV
224+00 LT.	ROAD CONSTRUCTION AHEAD W/LIGHT	II, III

NOTE: REFER TO THE SPECIAL PROVISIONS FOR THE SUGGESTED SEQUENCE OF STAGING OPERATIONS.

DEPARTMENT OF TRANSPORTATION

T.R. 136 B
STAGE CONSTRUCTION & MAINTENANCE OF TRAFFIC

STA. 210+00 TO STA. 217+50

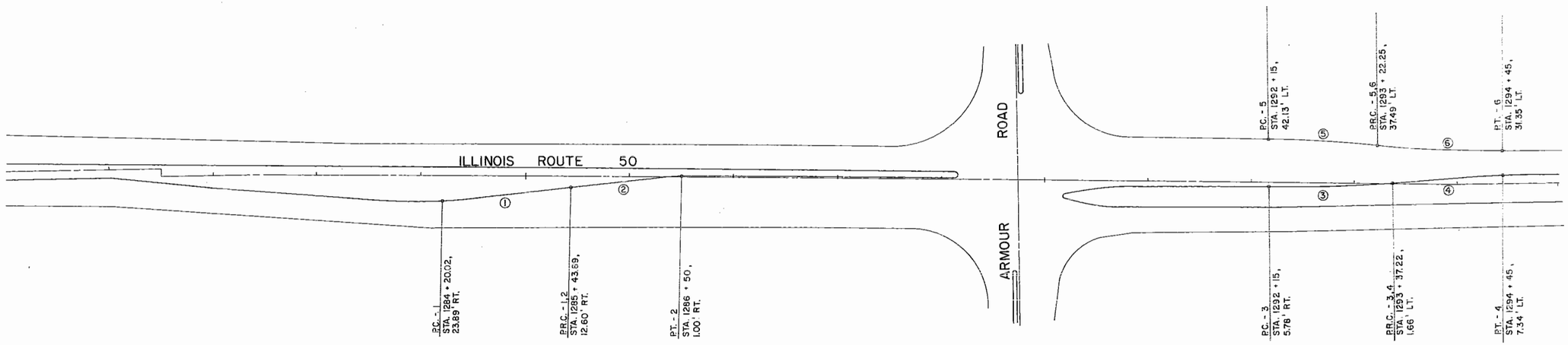
SCALE : 1" = 20'

DATE 10-30-86
CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	50
STA. 1280 + 00		TO STA. 1295 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



NOTE: CURVE DATA AND OFFSETS ARE SHOWN TO THE FACE OF CURB.

CURVE DATA

CURVE 1	CURVE 3	CURVE 5
Δ = 14°28'10"	Δ = 6°22'58"	Δ = 5°38'42"
D = 11°37'15"	D = 5°12'36"	D = 5°15'22"
R = 493.04'	R = 1099.72'	R = 1090.08'
T = 62.59'	T = 61.32'	T = 53.74'
L = 124.51'	L = 122.51'	L = 107.40'
E = 3.96'	E = 1.71'	E = 1.32'
CURVE 2	**CURVE 4**	**CURVE 6**
Δ = 12°27'07"	Δ = 5°37'32"	Δ = 6°27'48"
D = 11°37'15"	D = 5°12'36"	D = 5°15'22"
R = 493.04'	R = 1099.72'	R = 1090.08'
T = 53.79'	T = 54.03'	T = 61.55'
L = 107.15'	L = 107.97'	L = 122.97'
E = 2.93'	E = 1.33'	E = 1.74'

DEPARTMENT OF TRANSPORTATION

GEOMETRICS

STA. 1280 + 00 TO STA. 1295 + 00

SCALE : 1" = 50'

DATE 10-30-85
CHECKED BY G.A.B.

PNL JERRY LASY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	95	51
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4

ELECTRICAL NOTES

1. PROVIDE 2" GALVANIZED STEEL CONDUIT EXTENSION 2'0" MINIMUM BEYOND THE CURB. PROVIDE THREADLESS COUPLING AS REQUIRED. BOND CONDUIT TO NO. 6 BARE COPPER WIRE. PAY ITEM NUMBERS 66200100, 66300600.

2. REMOVE AND REINSTALL ELECTRIC UNIT DUCT. DISCONNECT UNIT DUCT FROM NEAREST LIGHT STANDARD. REMOVE 2-600 V XLP NO. 6 UNIT DUCT AND No. 6 BARE COPPER CONDUCTOR FROM TRENCH AND BURIED CONDUIT TO OPPOSITE SIDE OF ROADWAY. EXTEND BURIED CONDUIT TO 2'0" BEHIND THE CURB. REINSTALL UNIT DUCT IN TRENCH AND CONDUIT TO LIGHT STANDARD AND RECONNECT AS REQUIRED.

3. REMOVE AND RELOCATE EXISTING LIGHTING UNIT. REMOVE EXISTING POLE FOUNDATION. PROVIDE NEW POLE FOUNDATION AS INDICATED.

4. PROVIDE BURIED CONDUCTORS IN CONDUIT FROM THE WEST POLE TO THE EAST ENTRANCE LIGHT POLE. PROVIDE BURIED CONDUIT UNDER THE NEW ENTRANCE ROAD.

5. PROVIDE JUNCTION BOX UNDER PAY ITEM NUMBER T4290100. INTERCEPT EXISTING BURIED CONDUCTORS AND ROUTE TO JUNCTION BOX. PROVIDE NEW CONDUCTORS FROM JUNCTION BOX TO EXISTING FLOOD LIGHTS AND PHOTO CELL. REWIRE LIGHTING UNITS AS REQUIRED TO MATCH EXISTING INSTALLATION.

6. LOCATE AND IDENTIFY EXISTING DIRECT BURIAL CABLES. PROVIDE JUNCTION BOX UNDER PAY ITEM NUMBER T4290100. PROVIDE 1/C NO. 10 (XLP-TYPE USE) CONDUCTORS FROM GUARD HOUSE TO JUNCTION BOX. SPLICE NEW CONDUCTORS TO EXISTING. TAG AND IDENTIFY ACTIVE AND SPARE CONDUCTORS.

7. EXISTING BURIED CONDUCTORS SHALL BE MAINTAINED.

8. I.B.T. SHALL RELOCATE THE TELEPHONE PEDESTAL AND BURIED WIRING AS REQUIRED. CONTRACTOR SHALL PROVIDE 2" GALVANIZED STEEL CONDUIT STUBS FROM THE PEDESTAL AND THE GUARD HOUSE AS INDICATED. THESE CONDUITS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF RELOCATING THE GUARD HOUSE. PAYMENT FOR THESE CONDUITS SHALL BE INCLUDED IN THE PAY ITEM FOR REMOVE AND RELOCATE GUARD HOUSE.

9. PROVIDE 6-600V (XLP-TYPE USE) 1/C NO. 10 AND 1-BARE COPPER WIRE 1/C NO. 6 CONDUCTORS FROM THE GUARD HOUSE TO THE JUNCTION BOX CAST IN THE BASE OF THE RELOCATED LIGHT POLE. THE WIRE AND TRENCHING PAYMENT SHALL BE INCLUDED IN THE CONTRACT AS SEPARATE PAY ITEMS.

10. DENNY'S RESTAURANT WILL DISCONNECT AND REMOVE TWO LIGHT POLES, AND AN ENTRANCE SIGN, INCLUDING THE BURIED WIRING. DENNY'S SHALL DE-ENERGIZE THE WIRING TO INSURE THE SAFETY OF THE CONTRACTOR'S PERSONNEL.

11. CONTRACTOR SHALL REMOVE THE FOUNDATIONS TO A POINT 1'6" BELOW FINAL GRADE.

12. DENNY'S RESTAURANT SHALL PROVIDE WIRING, AND OTHER SERVICES TO RE-ESTABLISH THE RELOCATED ENTRANCE SIGN AND LIGHTING UNITS AT THE SOUTH END OF THE ENTRANCE.

ELECTRICAL SYMBOLS

22" X 34" X 5' DEEP FOUNDATION

12" X 12" X 12" CAST SPLICE BOX WITH BOLTED GASKET COVER

M — 30' POLE RELOCATED. PROVIDE NEW ANCHOR BOLTS & FOUNDATION TO MATCH EXISTING

J — 500 W QUARTZ LUMINAIRE TO REMAIN

PC 36"AFG — PHOTO CELL MOUNTED 36" ABOVE GRADE TO REMAIN

GUARD HOUSE PANEL
100 A - 3P - 208/120V BOLTED MAIN BREAKER
10. KAIC-IER- BOTTOM FEED
9-20A-1P-NQOB
1-30A-1P-NQOB
1-30A-2P-NQOB

(T)(P) — PROPOSED GALVANIZED STEEL CONDUIT 2" DIA. PUSHED, (P) OR IN TRENCH, (T), AS INDICATED.

—WM— SURFACE WIREWAY PROVIDE NEW WIRING

VAPOR-PROOF FLUORESCENT FIXTURE
2 LAMP 40 WATT R.S.C.W.
WITH ENERGY EFFICIENT - LOW TEMP. FUSED BALLAST

20A-NEMA 5-20R RECEPTACLE IN OUTLET BOX, OR AS NOTED.

$ — 20A-1P TOGGLE SWITCH WITH METAL DEVICE PLATE

—DB— DIRECT BURIAL 1/C TYPE USE SIZE AS NOTED WITH NO.6 GRD.

EXISTING C.E. UTILITY POLE W/ 240/480 V.10 30 KVA ELECT. SERVICE

PROPOSED GROUNDING ROD

R — LIGHTING UNIT-REMOVED

6 M — LIGHTING UNIT-RELOCATED EXISTING LIGHTING UNIT. 45' MOUNTING HEIGHT, 6' DAVIT ARM AND 250 WATT HPS M-C-111 LUMINAIRE.

EXISTING LIGHTING UNIT. 45' MOUNTING HEIGHT. 6' DAVIT ARM AND 250 WATT HPS M-C-111 LUMINAIRE TO REMAIN.

EXISTING ELECTRIC CABLE

PROPOSED ELECTRIC CABLES IN DUCT 3 1/C NO. 6 AWG, 600V, TYPE XLP, IN 1" DIA. DUCT W/NO. 6 AWG BARE GROUNDING WIRE IN TRENCH.

J — CAST JUNCTION BOX PAY ITEM T4290100.

PROPOSED ELECTRIC CABLES IN TRENCH, 3-1C NO. 6 AWG, OR AS NOTED, 600V, TYPE USE.

GROUNDING CONDUCTOR, GREEN ONLY AS PER NEC. 250.
GROUNDED CONDUCTOR, (NEUTRAL), WHITE OR GRAY AS PER NEC. 250.
ENERGIZED CONDUCTOR, (HOT), COLOR CODED PER SPEC.

SUMMARY OF QUANTITIES - ELECTRICAL ITEMS

CODE NO.	ITEM	QUANTITY	UNIT
T4290100	JUNCTION BOX	2	EACH
66000200	ELECTRIC CABLE IN TRENCH, 600V (XLP-TYPE USE) 1/C NO. 10	4110	LIN FT
66060200	BARE COPPER WIRE, 1/C NO. 6	760	LIN FT
66100300	UNIT DUCT, 2-600VXLP #6, 1" POLYETHYLENE	200	LIN FT
66200100	TRENCH AND BACKFILL FOR ROADWAY LIGHTING	1011	LIN FT
66300600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	296	LIN FT
66500100	LIGHT POLE FOUNDATION	17	EACH
L0007400*	POLE FOUNDATION, REMOVED	20	EACH
L0008500*	RELOCATE EXISTING LIGHTING UNIT	17	EACH
X *	REMOVE AND RELOCATE GUARD HOUSE	1	L SUM
X *	REMOVE AND REINSTALL ELECTRIC UNIT DUCT	1195	LIN FT

*SPECIAL PROVISION INCLUDED

SEE SHEET NO. 19 FOR A SCHEDULE OF QUANTITIES

DEPARTMENT OF TRANSPORTATION

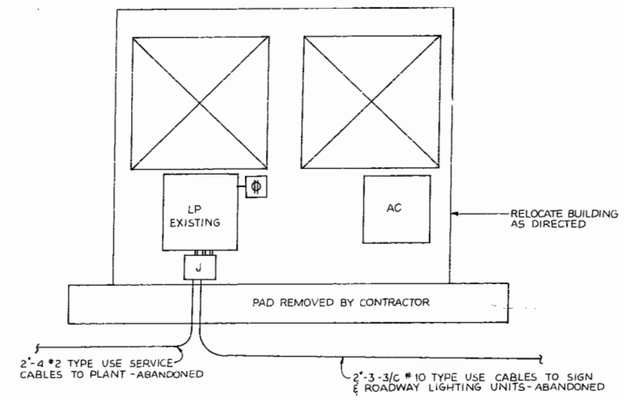
DETAILS OF

ELECTRICAL NOTES, SYMBOLS AND QUANTITIES

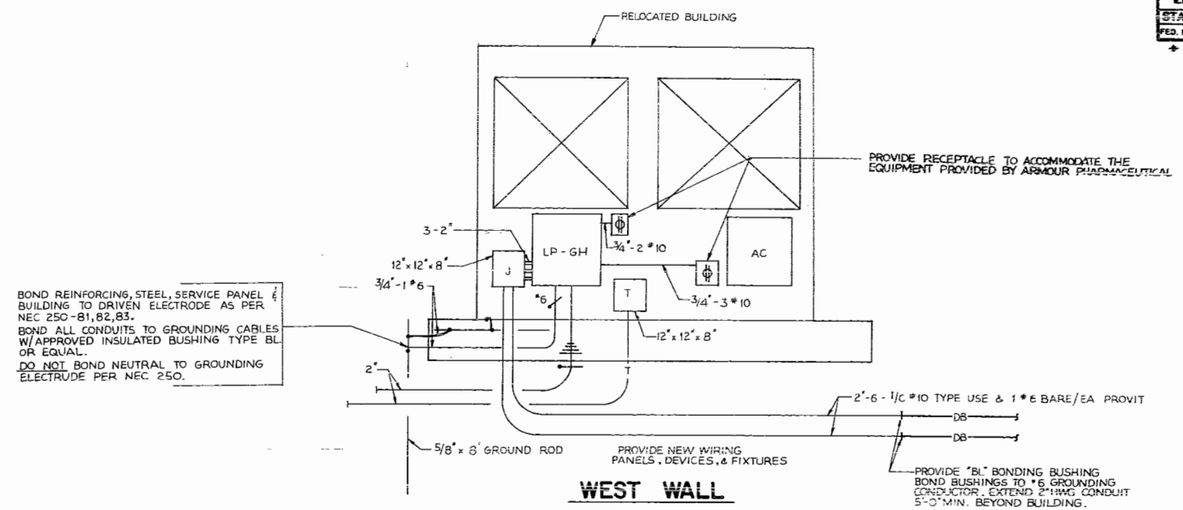
DATE 10-30-95
CHECKED BY GAB

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	✦	KANKAKEE	85	52
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

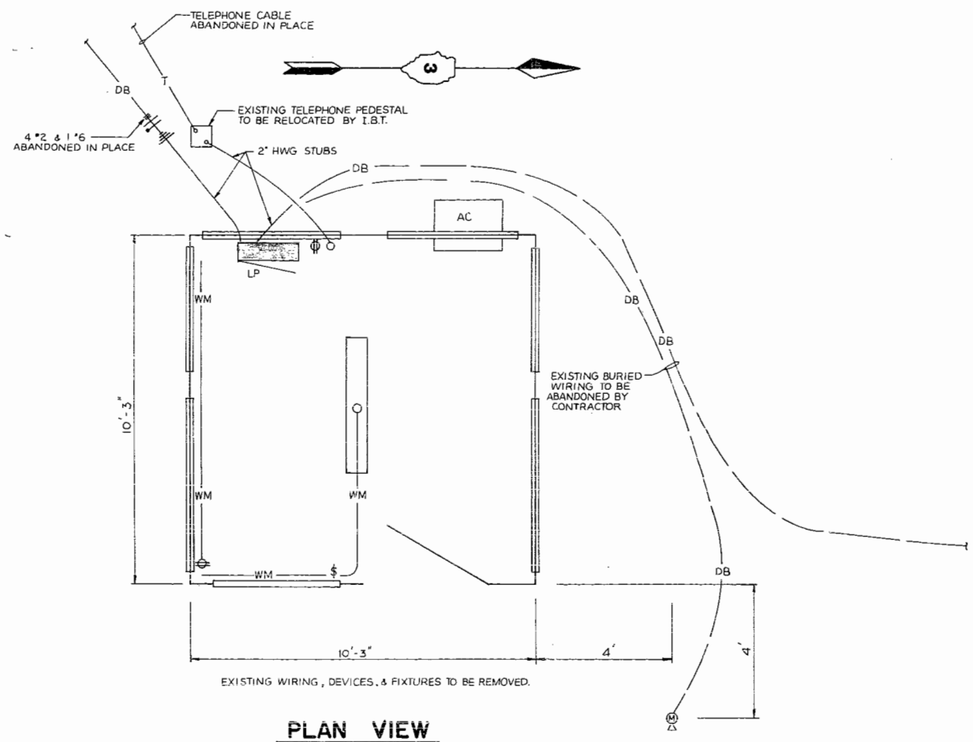
✦ 140 W & RS-4



WEST WALL

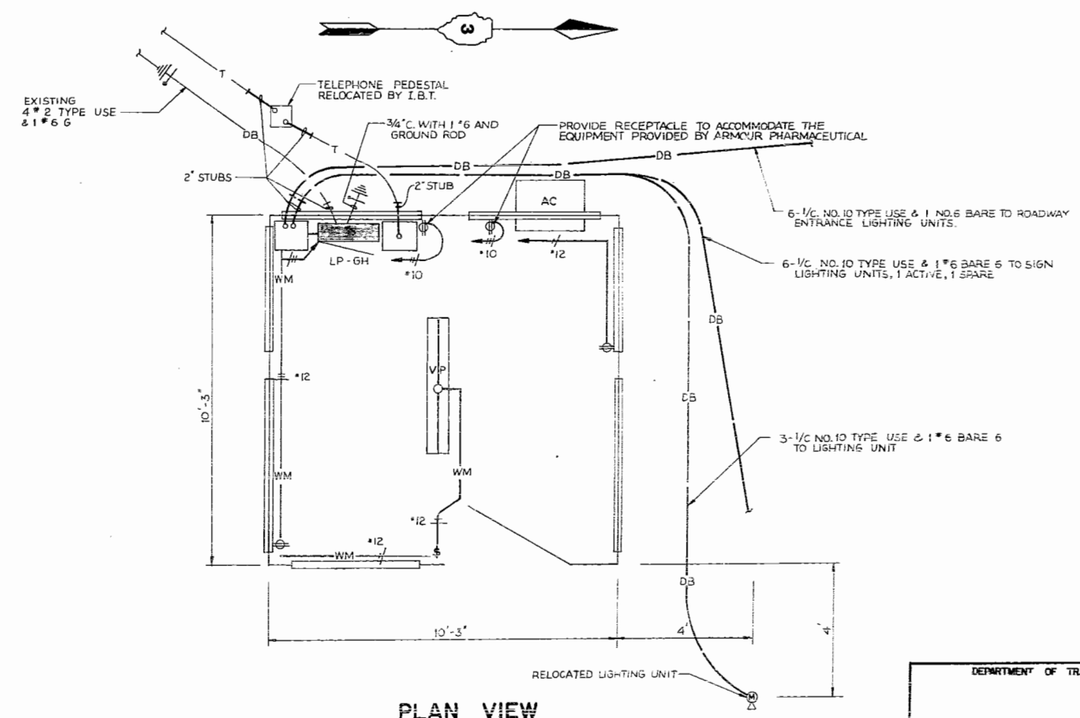


WEST WALL



PLAN VIEW

EXISTING GUARD HOUSE



PLAN VIEW

RELOCATED GUARD HOUSE

DEPARTMENT OF TRANSPORTATION

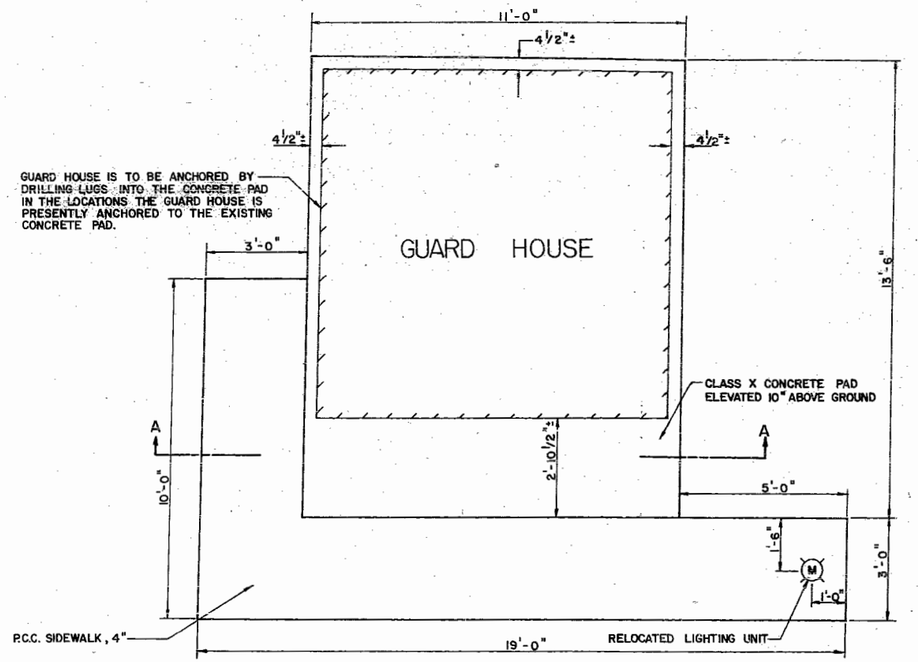
GUARD HOUSE
ELECTRICAL DETAILS

DATE 10-30-86
CHECKED BY G.A.B.

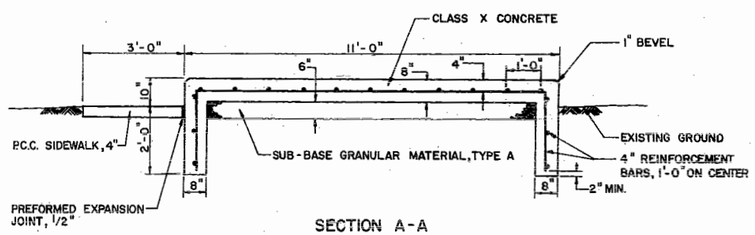
JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
I.L. 50	*	KANKAKEE	85	53
STA.		TO STA.		
FED. ROAD DIST NO 7	ILLINOIS	PROJECT		

* 140 W.B. RS-4



PLAN



SECTION A-A

GUARD HOUSE CONCRETE PAD DETAIL

LP-GH

TOTAL KW:							VOLTAGE: 208/120V				PHASE: 3		WIRE: 4	
MOUNTING: SURFACE			ENCLOSURE: NEMA 1				FEEDER: 4RRR							
BUSSING MAIN- 100A.-SRK.			NEU.- 100		GRD.- 100		FAULT CURRENT RATING: 10 KAIC -1ER							
CIRCUIT USE	C/B		LOAD KVA			CKT.		LOAD KVA			C/B		CIRCUIT USE
	TRIP	POLE	AØ	BØ	CØ	NO.		AØ	BØ	CØ	POLE	TRIP	
A/C UNIT	30	2				1	2				1	30	HEATER
							4				1	20	ENTRANCE SIGN
HOUSE LIGHTING	20	1				5	6				1	20	ENTRANCE SPARE
HOUSE RECPT.	20	1				7	8				1	20	ENTRANCE POLE
HOUSE EXTERIOR POLE	20	1				9	10				1	20	
	20	1				11	12				1	20	
MAIN BREAKER	100	3				13	14						
							16						
							18						

LIGHTING PANEL NOTES
COPPER BUS ONLY
BOLTED DEVICES ONLY UL, OR CSA LISTED AND LABLED
MAX. POLES PER SECTION
WIDTH 20" MIN: SIDE GUTTER 4" MIN.

AØ=
BØ=
CØ=
TOTAL=

GUARD HOUSE ELECTRICAL PANEL SCHEDULE

DEPARTMENT OF TRANSPORTATION

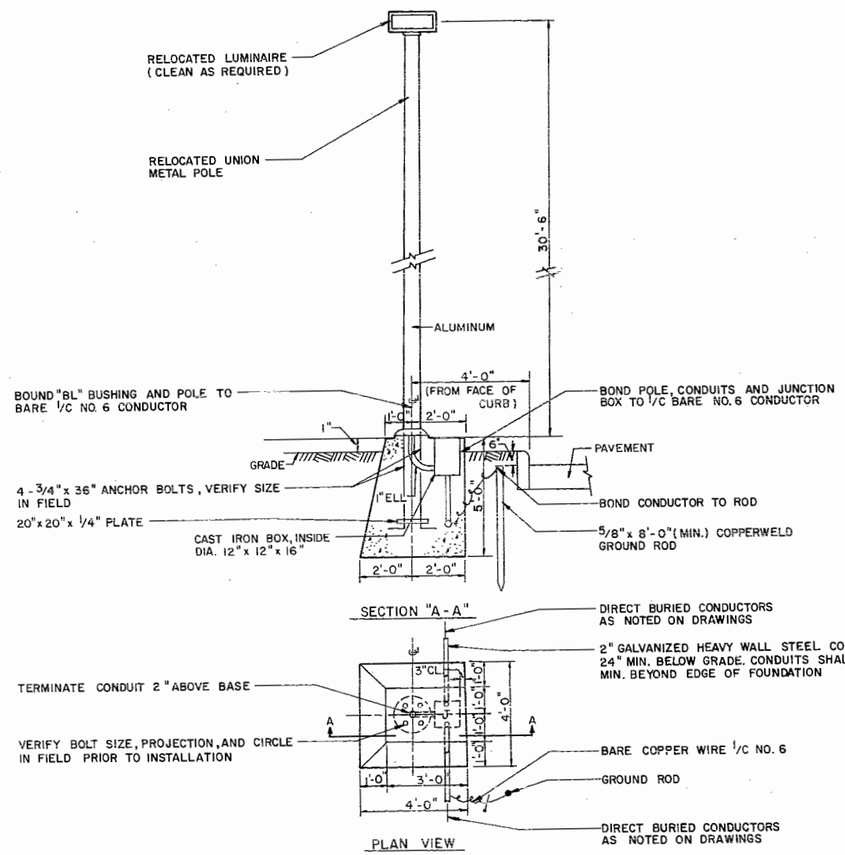
DETAILS OF GUARD HOUSE PAD AND ELECT. PANEL SCHEDULE

DATE 10-30-85
CHECKED BY S.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

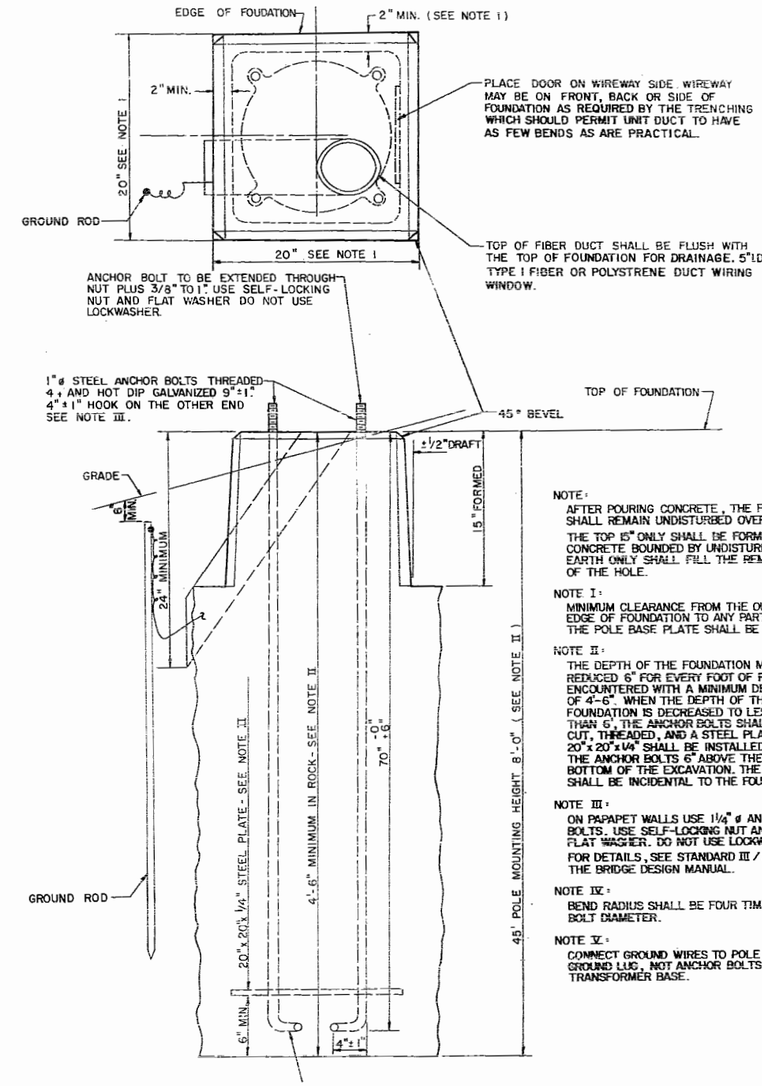
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
R.I. 50	*	KANKAKEE	85	54
STA.		TO STA.		
FED. ROAD DIST NO 7	ILLINOIS	PROJECT		

* 140 W & RS-4



LIGHTING POLE FOUNDATION, TYPE I DETAIL

3 UNITS REQUIRED
PAY ITEM 66500100



NOTE:
AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT

THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.

NOTE I:
MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASE PLATE SHALL BE 2".

NOTE II:
THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY FOOT OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6', THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" x 20" x 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL TO THE FOUNDATION

NOTE III:
ON PARAPET WALLS USE 1 1/4" ø ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER

FOR DETAILS, SEE STANDARD III / 2.35 OF THE BRIDGE DESIGN MANUAL.

NOTE IV:
BEND RADIUS SHALL BE FOUR TIMES THE BOLT DIAMETER.

NOTE V:
CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.

TYPICAL LIGHTING POLE FOUNDATION DETAIL

14 UNITS REQUIRED
PAY ITEM 66500100

DEPARTMENT OF TRANSPORTATION

LIGHT POLE
FOUNDATION DETAILS

DATE 10-30-86
CHECKED BY G.A.B.

PN JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL50	140WBRS-4	KANKAKEE	85	55
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. A.D. PROJECT		

GENERAL NOTES

NOTE 1: RELOCATE EXISTING SIGNAL HEAD AND POST (T43302) CONSISTS OF:

LOCATION A - RELOCATING AN EXISTING 1-FACE, 3-SECTION SIGNAL HEAD WITH 12" RED LENS, INCLUDING THE SIGNAL POST, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE EXISTING CONCRETE FOUNDATION SHALL BE REMOVED.

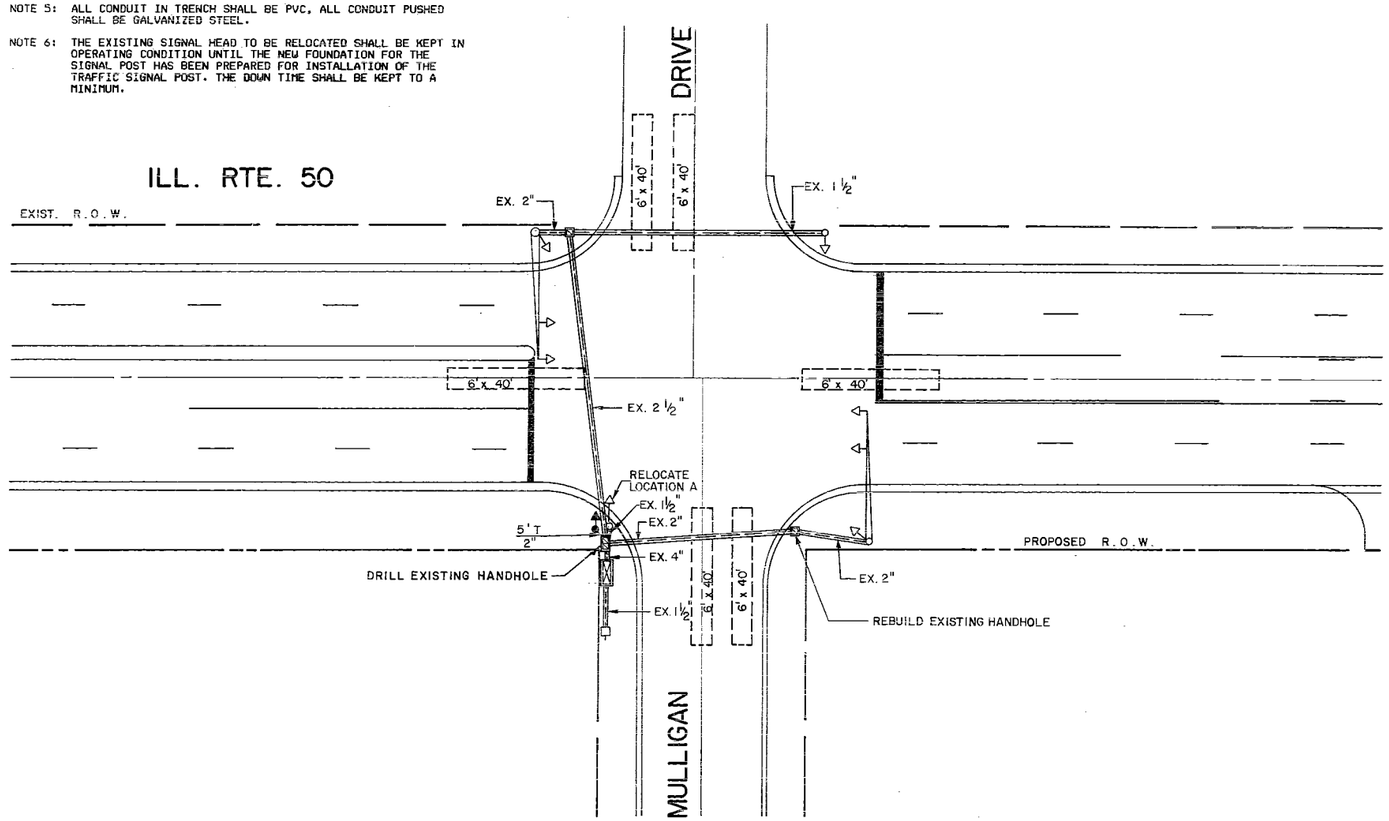
NOTE 2: THE EXISTING TRAFFIC SIGNAL INSTALLATION SHALL BE MAINTAINED BY THE CONTRACTOR IN PROPER OPERATING CONDITION DURING THE ENTIRE PERIOD OF CONSTRUCTION, UNTIL THE MODIFIED SIGNAL SYSTEM IS PLACED IN OPERATION.

NOTE 3: ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6' BEHIND CURBS UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

NOTE 4: THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800-892-0123, KANKAKEE COUNTY).

NOTE 5: ALL CONDUIT IN TRENCH SHALL BE PVC, ALL CONDUIT PUSHED SHALL BE GALVANIZED STEEL.

NOTE 6: THE EXISTING SIGNAL HEAD TO BE RELOCATED SHALL BE KEPT IN OPERATING CONDITION UNTIL THE NEW FOUNDATION FOR THE SIGNAL POST HAS BEEN PREPARED FOR INSTALLATION OF THE TRAFFIC SIGNAL POST. THE DOWN TIME SHALL BE KEPT TO A MINIMUM.



TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED	
		CONTROLLER
		SERVICE INSTALLATION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL HEAD OPTICALLY PROGRAMMED
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE; STEEL
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		G.S. CONDUIT IN TRENCH OR PUSHED
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		MORTAR JUNCTION BOX
		CAST IRON JUNCTION BOX
	CT	COMMON TRENCH
		EMERGENCY VEHICLE SYSTEM DETECTOR
		CONDUIT SPLICE
		WOOD POLE
5"		RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
		VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE
		RAILROAD CONTROL CABINET
LENGTH "T" OR "P" / SIZE		CONDUIT LENGTH AND SIZE (TRENCHED AND/OR PUSHED AS INDICATED)
		SIDEWALK REMOVAL & PLACEMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50 AT
MULLIGAN DRIVE
TRAFFIC SIGNAL INSTALLATION

SCALE: VERT. HORIZ. NONE — DRAWN BY M.J.W.
DATE OCT. 1986 — CHECKED BY P.K.G.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	(40W & RS-4)	KANKAKEE	85	56
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

	CODE NUMBER	QUANTITY	UNIT	ITEM
	T4207900	5	LIN FT	PVC CONDUIT IN TRENCH 2"
	T4214203	23	LIN FT	ELECTRIC CABLE IN CONDUIT NO. 14 5/C
	T4270100	3	LIN FT	CONCRETE FOUNDATION, TYPE A
	T4281600	1	EACH	REBUILD EXISTING HANDHOLE
	T4300100	5	LIN FT	TRENCH AND BACKFILL
*	T4330200	1	EACH	RELOCATE EXISTING SIGNAL HEAD AND POST
	T4440200	1	EACH	REMOVE EXISTING CONCRETE FOUNDATION
	T4520100	1	EACH	DRILL EXISTING HANDHOLE

SCHEDULE OF TRAFFIC SIGNAL HEADS TO BE RELOCATED

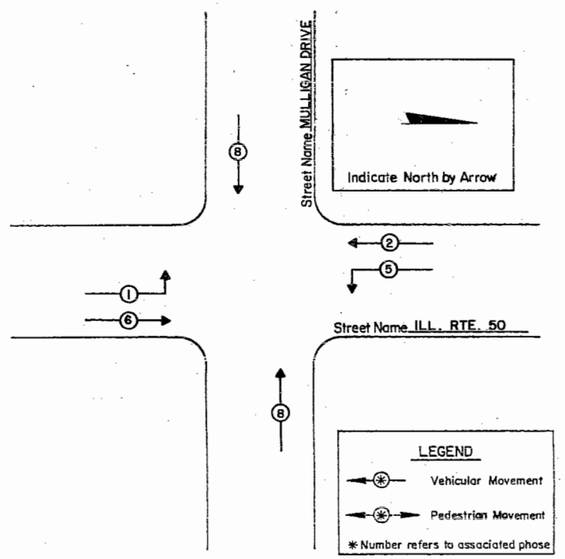
1	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH 12" RED LENS, BRACKET MOUNTED

* INDICATES SPECIAL PROVISIONS

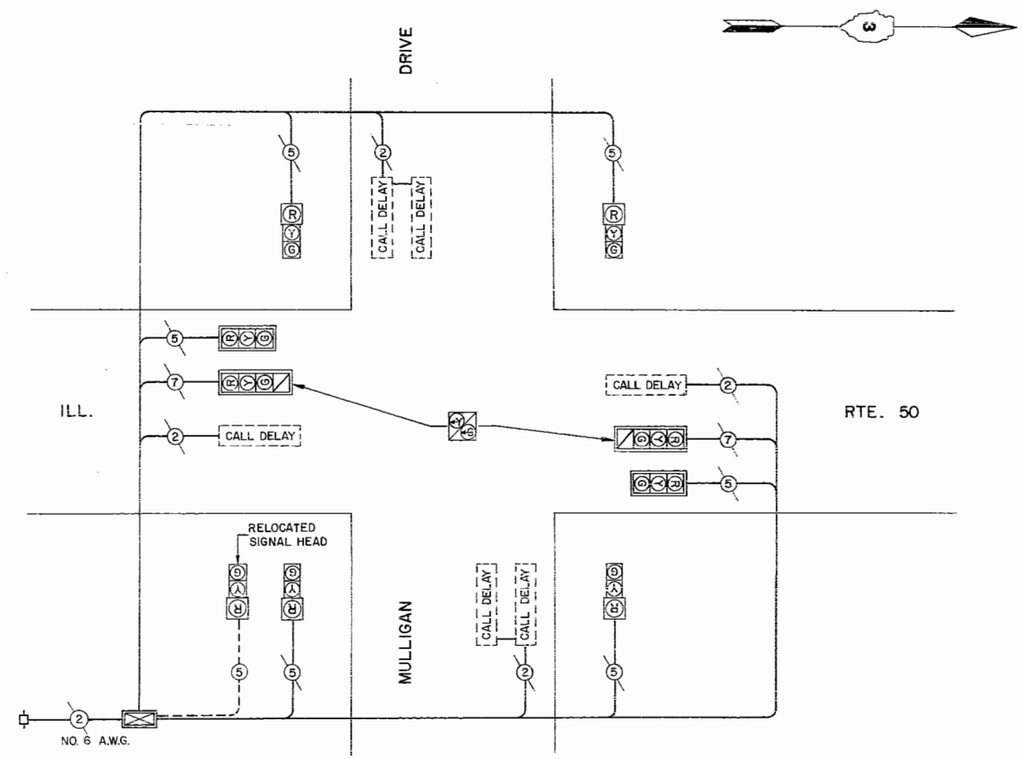
Name of Intersection ILLINOIS ROUTE 50 & MULLIGAN DRIVE

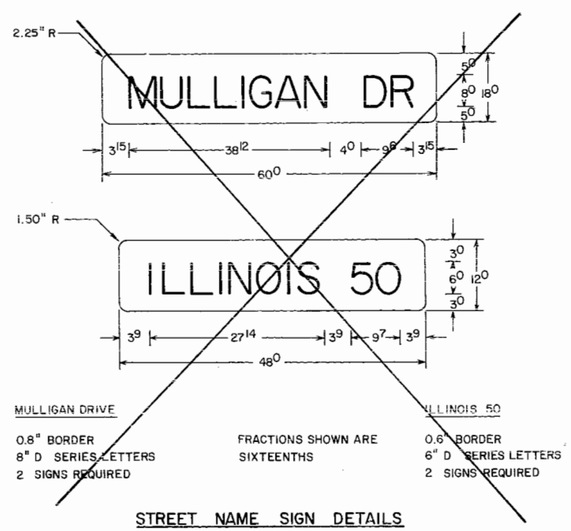
Controller Specified FULL - ACTUATED CONTROLLER, STANDARD SEQUENCE III, 5 PHASES, IN TYPE IV CABINET (EXIST. TO REMAIN) (EAGLE MODEL NC 100)

Referring to Standard 2393, the vehicular and pedestrian phases used are designated below: (Show Movements and Phase Numbers)



PHASE DESIGNATION DIAGRAM
(EXISTING)





MULLIGAN DRIVE
0.8" BORDER
8" D SERIES LETTERS
2 SIGNS REQUIRED

FRACTIONS SHOWN ARE SIXTEENTHS

ILLINOIS 50
0.6" BORDER
6" D SERIES LETTERS
2 SIGNS REQUIRED

STREET NAME SIGN DETAILS

CABLE PLAN LEGEND

- 8" TRAFFIC SIGNAL SECTION
- 12" TRAFFIC SIGNAL SECTION
- 12" PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- DENOTES NUMBER OF CONDUCTORS (NEW). ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- INDICATES EXISTING CABLE
- SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED
- EXISTING SIGNAL SECTION
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- EXISTING VEHICLE DETECTOR, INDUCTION LOOP
- EXISTING DUAL MODE SIGNAL INDICATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILL. RTE. 50 AT
MULLIGAN DRIVE
CABLE DIAGRAM
PHASE DESIGNATION DIAGRAM
SCHEDULE OF QUANTITIES

SCALE: VERT. NONE HORIZ. DRAWN BY M.J.W.
DATE OCT. 1986 CHECKED BY P.K.G.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.50	140WGRS-4	KANKAKEE	85	57
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

ARMOUR ROAD

GENERAL NOTES

NOTE 1: THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH HINGED LIDS AS INCIDENTAL TO THE DOUBLE HANDHOLE PAY ITEM.

NOTE 2: THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800-892-0123, KANKAKEE COUNTY).

NOTE 3: ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6' BEHIND CURBS UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

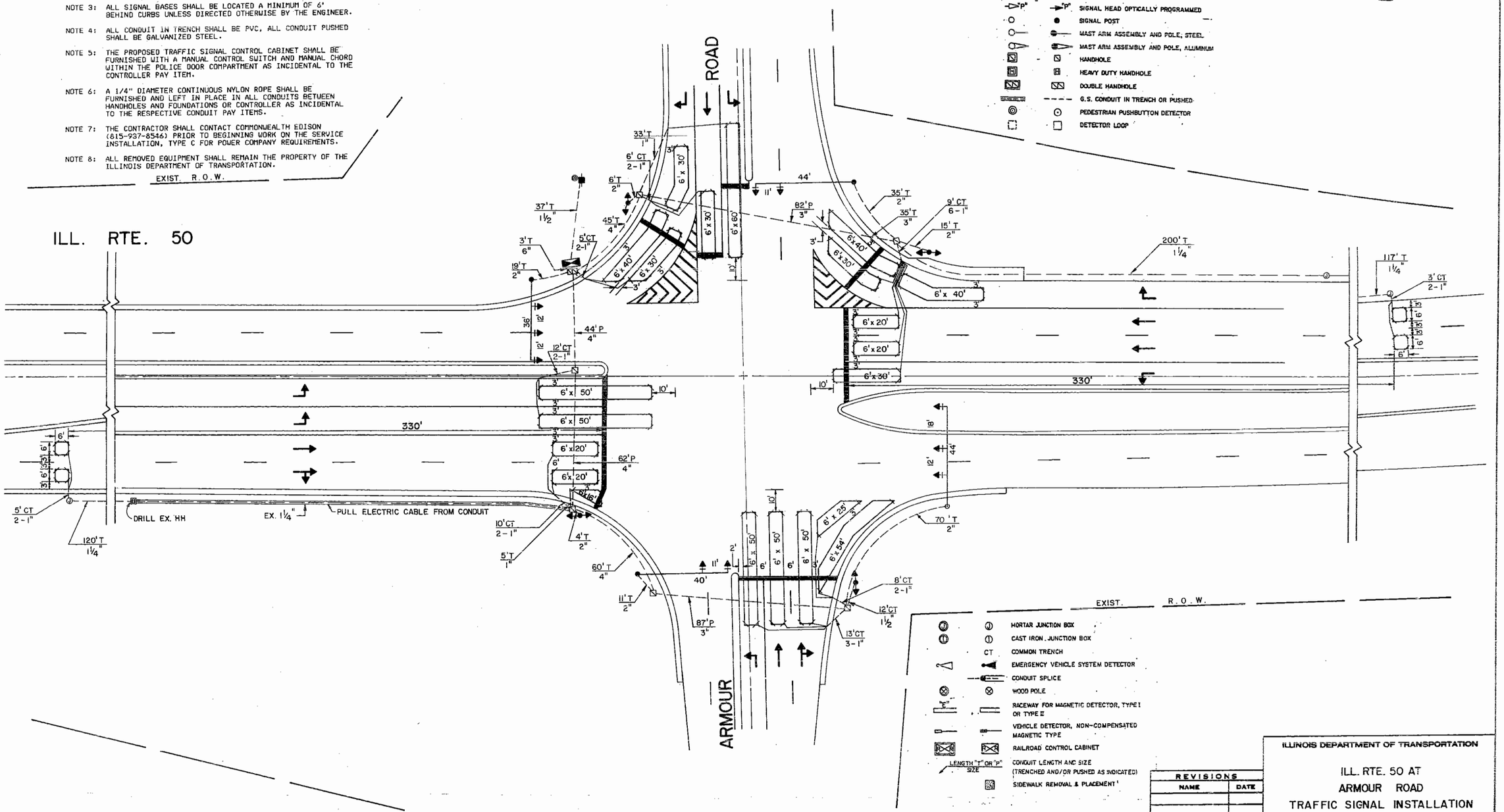
NOTE 4: ALL CONDUIT IN TRENCH SHALL BE PVC, ALL CONDUIT PUSHED SHALL BE GALVANIZED STEEL.

NOTE 5: THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CHORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE CONTROLLER PAY ITEM.

NOTE 6: A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEMS.

NOTE 7: THE CONTRACTOR SHALL CONTACT COMMONWEALTH EDISON (815-937-8546) PRIOR TO BEGINNING WORK ON THE SERVICE INSTALLATION, TYPE C FOR POWER COMPANY REQUIREMENTS.

NOTE 8: ALL REMOVED EQUIPMENT SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50 AT
ARMOUR ROAD
TRAFFIC SIGNAL INSTALLATION

SCALE: VERT. NONE HORIZ. — DRAWN BY M.J.W.
DATE OCT. 1986 — CHECKED BY P.K.G.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.50	(40W,8 RS-4)	KANKAKEE	85	58
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

CODE NUMBER	QUANTITY	UNIT	ITEM
T2010100	26	SQ FT	SIGN PANEL - TYPE 1
T4010030	4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
T4011530	6	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, MAST ARM MOUNTED
T4011560	2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED
T4011570	2	EACH	SIGNAL HEAD, 2-FACE, 4-SECTION, WITH ONE DUAL-INDICATION SECTION, BRACKET MOUNTED
T4030100	10	EACH	TRAFFIC SIGNAL BACKPLATE
T4063000	4	EACH	TRAFFIC SIGNAL POST, FERROUS 15 FT
T4085200	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT
T4085400	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT
T4085600	2	EACH	STEEL MAST ARM ASSIMBLY AND POLE, 44 FT
T4110083	1	EACH	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES IN TYPE IV CABINET
T4160200	19	EACH	INDUCTION LOOP DETECTOR AMPLIFIER
T4180100	2207	LIN FT	DETECTOR LOOP
T4201700	169	LIN FT	GALVANIZED STEEL CONDUIT, PUSHED 3"
T4201900	106	LIN FT	GALVANIZED STEEL CONDUIT, PUSHED 4"
T4207600	230	LIN FT	PVC CONDUIT IN TRENCH 1"
T4207700	437	LIN FT	PVC CONDUIT IN TRENCH 1 1/4"
T4207800	37	LIN FT	PVC CONDUIT IN TRENCH 1 1/2"
T4207900	172	LIN FT	PVC CONDUIT IN TRENCH 2"
T4208100	35	LIN FT	PVC CONDUIT IN TRENCH 3"
T4208300	105	LIN FT	PVC CONDUIT IN TRENCH 4"
T4208500	3	LIN FT	PVC CONDUIT IN TRENCH 6"
T4210110	38	LIN FT	ELECTRIC CABLE IN CONDUIT NO. 6 2/C
T4214203	1501	LIN FT	ELECTRIC CABLE IN CONDUIT NO. 14 5/C
T4214205	2236	LIN FT	ELECTRIC CABLE IN CONDUIT NO. 14 7/C
T4218600	4089	LIN FT	ELECTRIC CABLE IN CONDUIT NO. 14 2/C TWISTED, SHIELDED
T4260500	1	EACH	SERVICE INSTALLATION, TYPE C
T4270100	12	LIN FT	CONCRETE FOUNDATION, TYPE A
T4270200	3.5	LIN FT	CONCRETE FOUNDATION, TYPE D
T4270400	60	LIN FT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
T4280100	6	EACH	HANDHOLE
T4280300	1	EACH	DOUBLE HANDHOLE
T4290100	3	EACH	JUNCTION BOX
T4300100	1246	LIN FT	TRENCH AND BACKFILL
T4400100	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
T4430300	7	EACH	REMOVE EXISTING HANDHOLE
T4440200	8	EACH	REMOVE EXISTING CONCRETE FOUNDATION
* T4470100	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
T4520100	1	EACH	DRILL EXISTING HANDHOLE

* INDICATES SPECIAL PROVISION

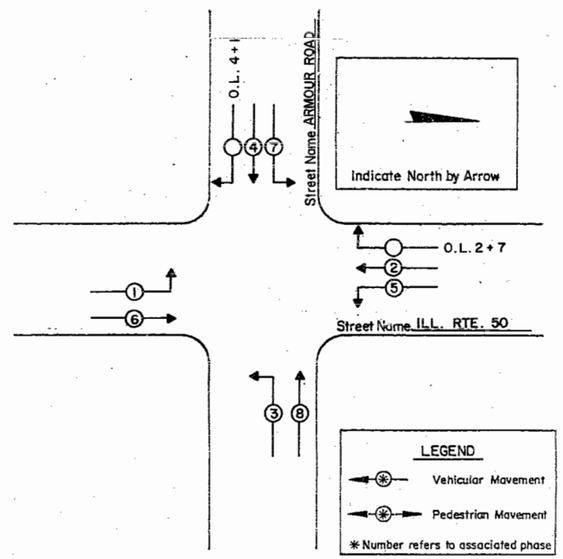
SCHEDULE OF NEW TRAFFIC SIGNAL HEADS

4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH 12" LENSES, MAST ARM MOUNTED
6	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, WITH 12" LENSES, AND 1 DUAL-INDICATION SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-4 SECTION, WITH 12" LENSES, AND 1 DUAL-INDICATION SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, 2-FACE, 4-SECTION, WITH 12" LENSES, AND 1 DUAL-INDICATION SECTION, BRACKET MOUNTED

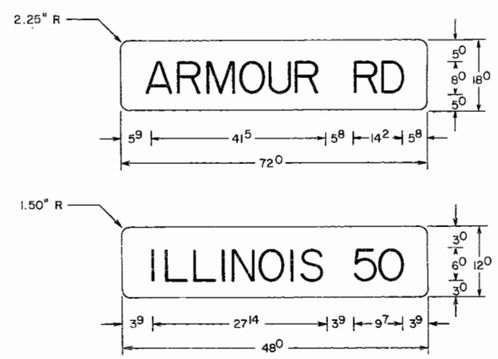
Name of Intersection ILLINOIS ROUTE 50 & ARMOUR ROAD

Controller Specified FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV 8 PHASES, IN TYPE IV CABINET

Referring to Standard 2393, the vehicular and pedestrian phases used are designated below: (Show Movements and Phase Numbers)



PHASE DESIGNATION DIAGRAM



ARMOUR ROAD

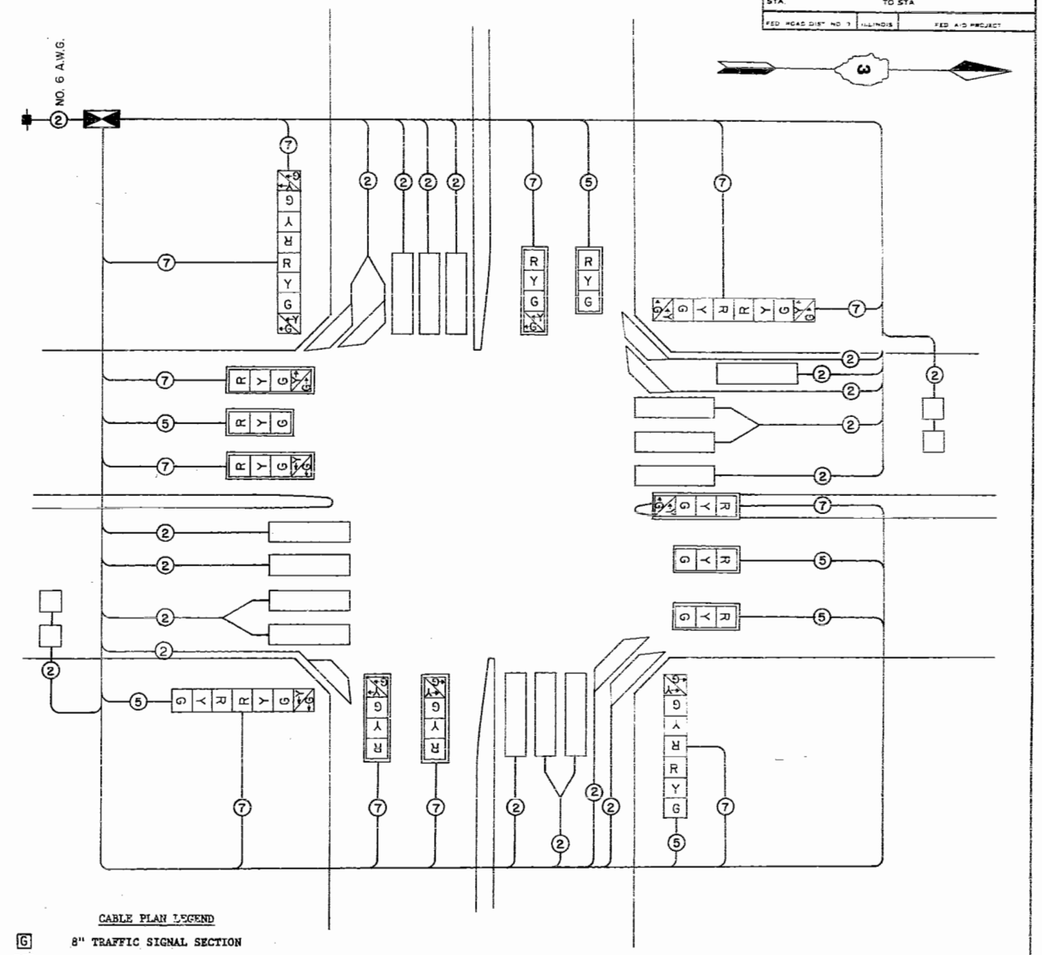
0.8" BORDER
8" D SERIES LETTERS
2 SIGNS REQUIRED
18 SQ. FT.

FRACTIONS SHOWN ARE SIXTEENTHS

ILLINOIS 50

0.6" BORDER
6" D SERIES LETTERS
2 SIGNS REQUIRED
8 SQ. FT.

STREET NAME SIGN DETAILS



CABLE PLAN LEGEND

- G — 8" TRAFFIC SIGNAL SECTION
- R — 12" TRAFFIC SIGNAL SECTION
- W — 12" PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- (2) — DENOTES NUMBER OF CONDUCTORS (NEW). ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- (2) — INDICATES EXISTING CABLE
- "P" R Y G Y G — SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED
- R — EXISTING SIGNAL SECTION
- MAGNETIC DETECTOR
- OPTICAL DETECTOR
- DUAL MODE INDICATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50 AT
ARMOUR ROAD
CABLE DIAGRAM
PHASE DESIGNATION DIAGRAM
SCHEDULE OF QUANTITIES

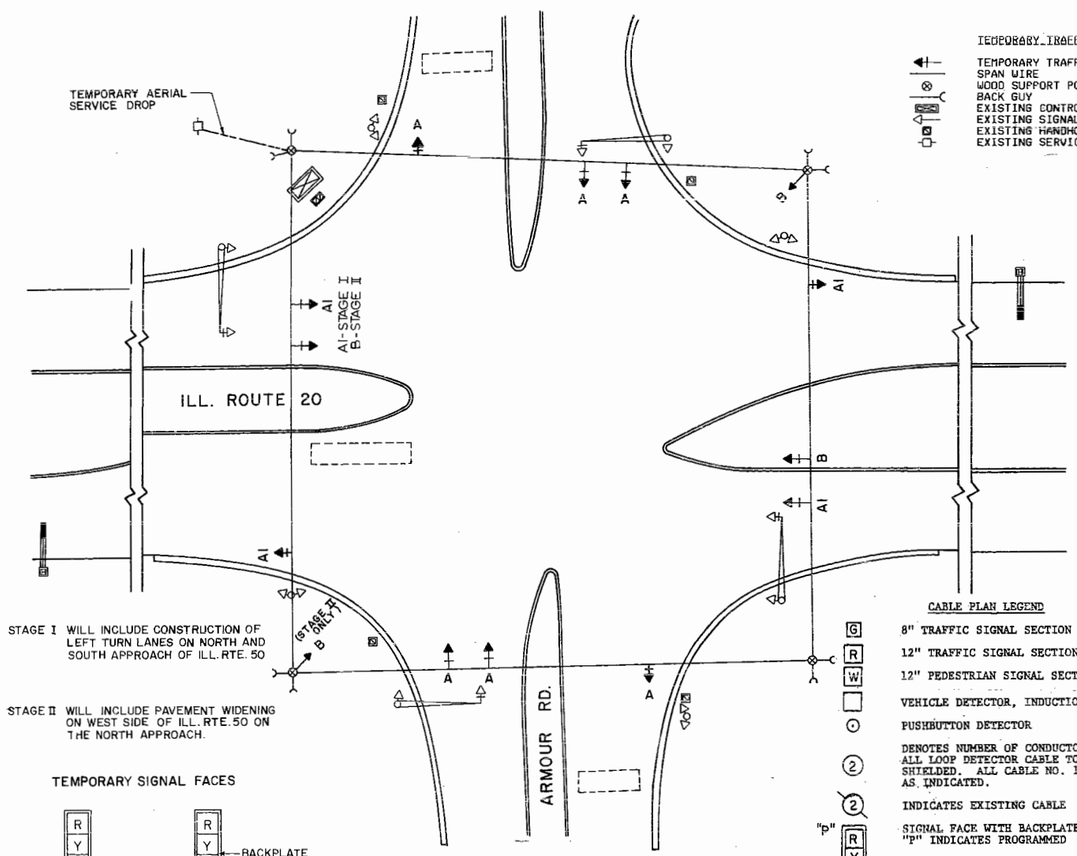
SCALE: VERT. NONE HORIZ. — DRAWN BY M.J.W.

DATE OCT. 1986 — CHECKED BY P.K.G.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.50	140W & RS-4	KANKAKEE	85	59
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

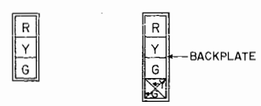
TEMPORARY TRAFFIC SIGNALS



STAGE I WILL INCLUDE CONSTRUCTION OF LEFT TURN LANES ON NORTH AND SOUTH APPROACH OF ILL. RTE. 50

STAGE II WILL INCLUDE PAVEMENT WIDENING ON WEST SIDE OF ILL. RTE. 50 ON THE NORTH APPROACH.

TEMPORARY SIGNAL FACES



SIGNAL FACES A, A1 — SIGNAL FACES B

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL FACE
- SPAN WIRE
- WOOD SUPPORT POLE
- BACK GUY
- EXISTING CONTROLLER
- EXISTING SIGNAL HEAD
- EXISTING HANDHOLE
- EXISTING SERVICE INSTALLATION

CABLE PLAN LEGEND

- G — 8" TRAFFIC SIGNAL SECTION
- R — 12" TRAFFIC SIGNAL SECTION
- W — 12" PEDESTRIAN SIGNAL SECTION
- VEHICLE DETECTOR, INDUCTION LOOP
- PUSHBUTTON DETECTOR
- (2) — DENOTES NUMBER OF CONDUCTORS (NEW). ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
- (2) — INDICATES EXISTING CABLE
- "P" R Y G Y G — SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED
- (R) — EXISTING SIGNAL SECTION
- (Y G) — EXISTING DUAL MODE SIGNAL INDICATION

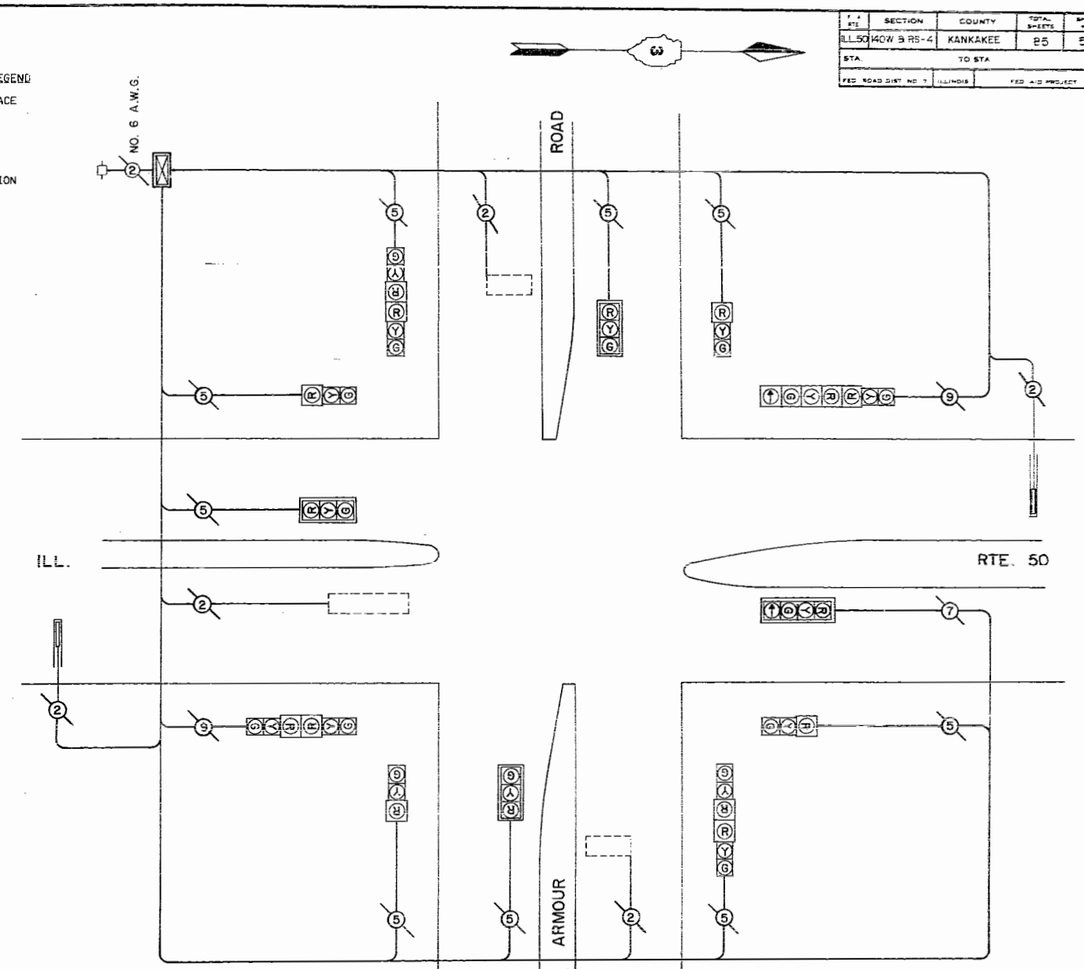
GENERAL NOTES - TEMPORARY TRAFFIC SIGNAL INSTALLATION

NOTE 1: ALL TEMPORARY SIGNAL FACES SHALL BE 12" AND SHALL INCLUDE BACKPLATES.

NOTE 2: SIGNAL FACES B SHALL INCLUDE DUAL-MODE LEFT ARROW SIGNAL SECTIONS.

NOTE 3: ELECTRIC CABLE SHALL BE NO. 14, 5/C OR 7/C.

NOTE 4: THE TEMPORARY WOOD SUPPORT POLES WILL BE LOCATED AT THE TIME OF INSTALLATION.



EXISTING TRAFFIC SIGNALS (TO BE REMOVED)

EXISTING & TEMPORARY (STAGE I) SEQUENCE OF OPERATION

PHASE	A			B			C			FLASH
MOVEMENT										
INTERVAL	1	2A	2B	3	4A	4B	5	6A	6B	
CHANGE TO		B			C			A,B		
ILL. RTE. 50 N.B.	G ←G	G ←Y	G	G	Y	R	R	R	R	R
ILL. RTE. 50 S.B.	R	R	R	G	Y	R	R	R	R	R
F.A.S. 1305 (ARMOUR ROAD)	R	R	R	R	R	R	G	Y	R	R

TEMPORARY (STAGE II) SEQUENCE OF OPERATION

PHASE	A			B			C			FLASH
MOVEMENT										
INTERVAL	1	2A	2B	3	4A	4B	5	6A	6B	
CHANGE TO		B			C			A		
ILL. RTE. 50 N.B.	R ←G	R ←Y	R	G	Y	R	R	R	R	R
ILL. RTE. 50 S.B.	R ←G	R ←Y	R	G	Y	R	R	R	R	R
F.A.S. 1305 (ARMOUR ROAD)	R	R	R	R	R	R	G	Y	R	R

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - SHALL CONSIST OF THE FOLLOWING ITEMS:

1	EACH	TRAFFIC SIGNAL CONTROLLER AND CABINET
4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH 12" RED LENS, BRACKET MOUNTED
3	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, WITH 12" LENSES, INCLUDING THE MAST ARM ASSEMBLY AND POLE, 25 FT
1	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION, WITH 12" LENSES, INCLUDING THE MAST ARM ASSEMBLY AND POLE, 25 FT
3	EACH	SIGNAL HEAD, 2-FACE, 3-SECTION, WITH 12" RED LENS, INCLUDING THE POST, 14 FT
1	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, WITH 12" RED LENS, 1-4 SECTION WITH 12" LENSES, INCLUDING THE SIGNAL POST
2	EACH	MAGNETIC DETECTOR
*1	EACH	SERVICE INSTALLATION, TYPE C

THE ABOVE ITEMS SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL EXISTING CONDUIT AND ELECTRIC CABLE, UNLESS SPECIFIED IN THE PLANS, SHALL BE ABANDONED IN PLACE AS DIRECTED BY THE ENGINEER.

*MAY BE USED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ILL. RTE. 50 AT ARMOUR ROAD

EXISTING & TEMPORARY TRAFFIC SIGNAL INSTALLATION

SCALE: VERT. NONE HORIZ. NONE

DRAWN BY M.J.W.

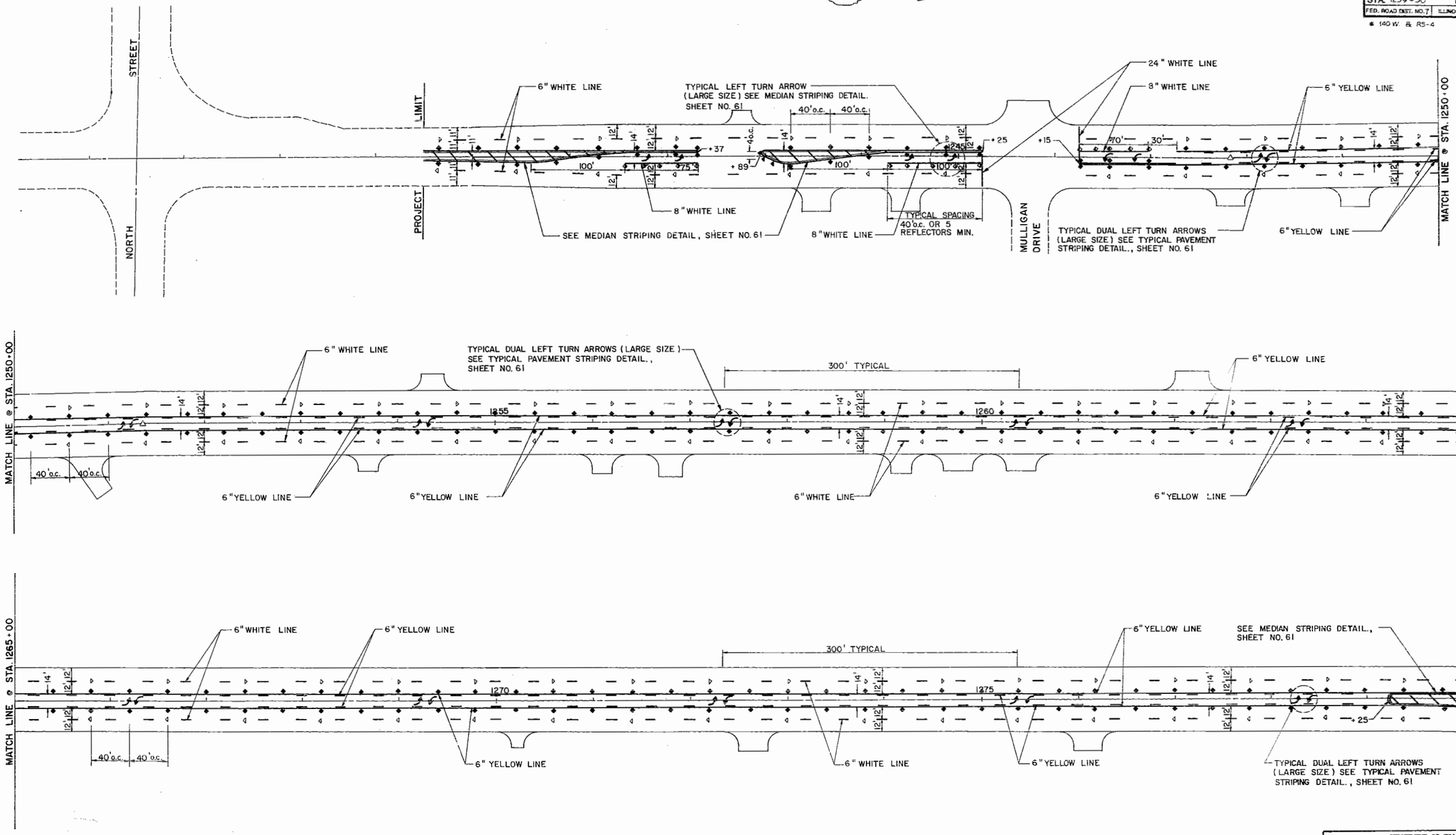
DATE OCT. 1986

CHECKED BY P.K.G.

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	60
STA. 1239+50		TO STA. 1280+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & R5-4



RAISED REFLECTIVE PAVEMENT MARKER SYMBOLS

- ..... BI-DIRECTIONAL, AMBER COLORED
- ..... MONO-DIRECTIONAL, AMBER COLORED
- ..... MONO-DIRECTIONAL, WHITE COLORED
- ..... BI-DIRECTIONAL, CRYSTAL & RED COLORED

PRISMATIC CURB REFLECTORS SYMBOLS

- ..... BI-DIRECTIONAL, AMBER COLORED

NOTE: FOR ADDITIONAL INFORMATION ON THE PLACEMENT OF THE RAISED REFLECTIVE PAVEMENT MARKERS REFER TO STANDARD 2397.

DEPARTMENT OF TRANSPORTATION

TRAFFIC STRIPING AND STRIPING DETAILS

STA. 1239+50 TO STA. 1280+00

SCALE : 1" = 50'

DATE 10-30-86

CHECKED BY G.A.R.

JERRY LACY & ASSOCIATES, INC.

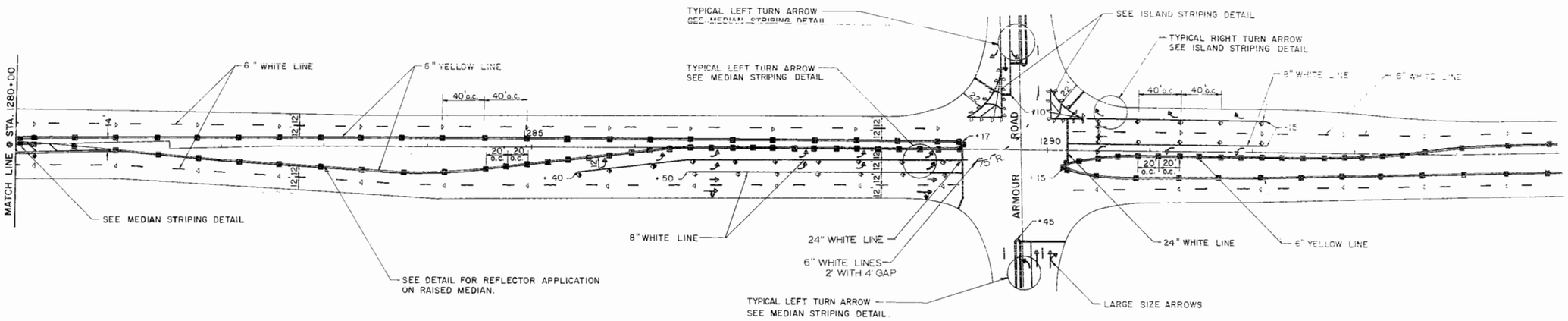
PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FED. RD. DIV. NO.	PROJECT	ROUTE NO.	STATION	
FED. AID PROJ. NO.				

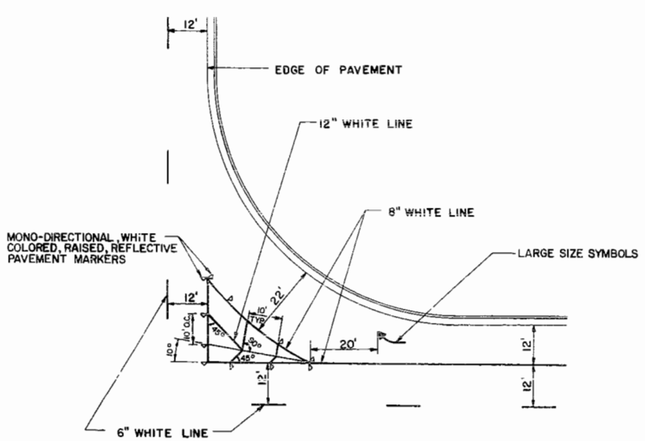
RAISED REFLECTIVE PAVEMENT MARKER SYMBOLS

- ..... BI-DIRECTIONAL, AMBER COLORED
- ..... MONO-DIRECTIONAL, AMBER COLORED
- ..... MONO-DIRECTIONAL, WHITE COLORED
- ..... BI-DIRECTIONAL, CRYSTAL & RED COLORED

PRISMATIC CURB REFLECTORS SYMBOLS

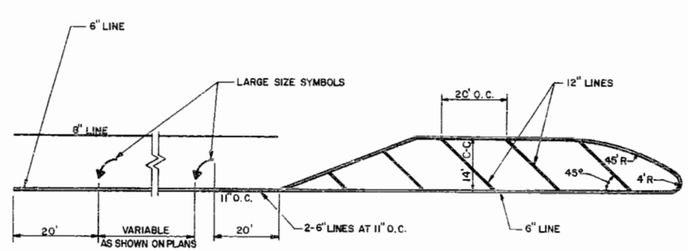
- ..... BI-DIRECTIONAL, AMBER COLORED





ISLAND STRIPING DETAIL

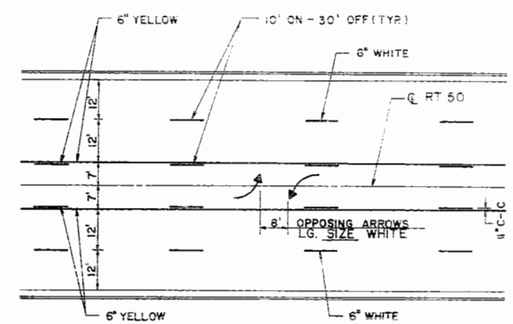
SCALE: 1" = 20'



MEDIAN STRIPING DETAIL

(YELLOW THERMOPLASTIC)

NOT TO SCALE



TYPICAL PAVEMENT STRIPING DETAIL

SCALE: 1" = 20'

NOTE: REFER TO SECTION 750 OF "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" FOR ADDITIONAL INFORMATION REGARDING LANE LINE PLACEMENT.

DEPARTMENT OF TRANSPORTATION

TRAFFIC STRIPING AND STRIPING DETAILS

STA. 1280 + 00 TO STA. 1295 + 00

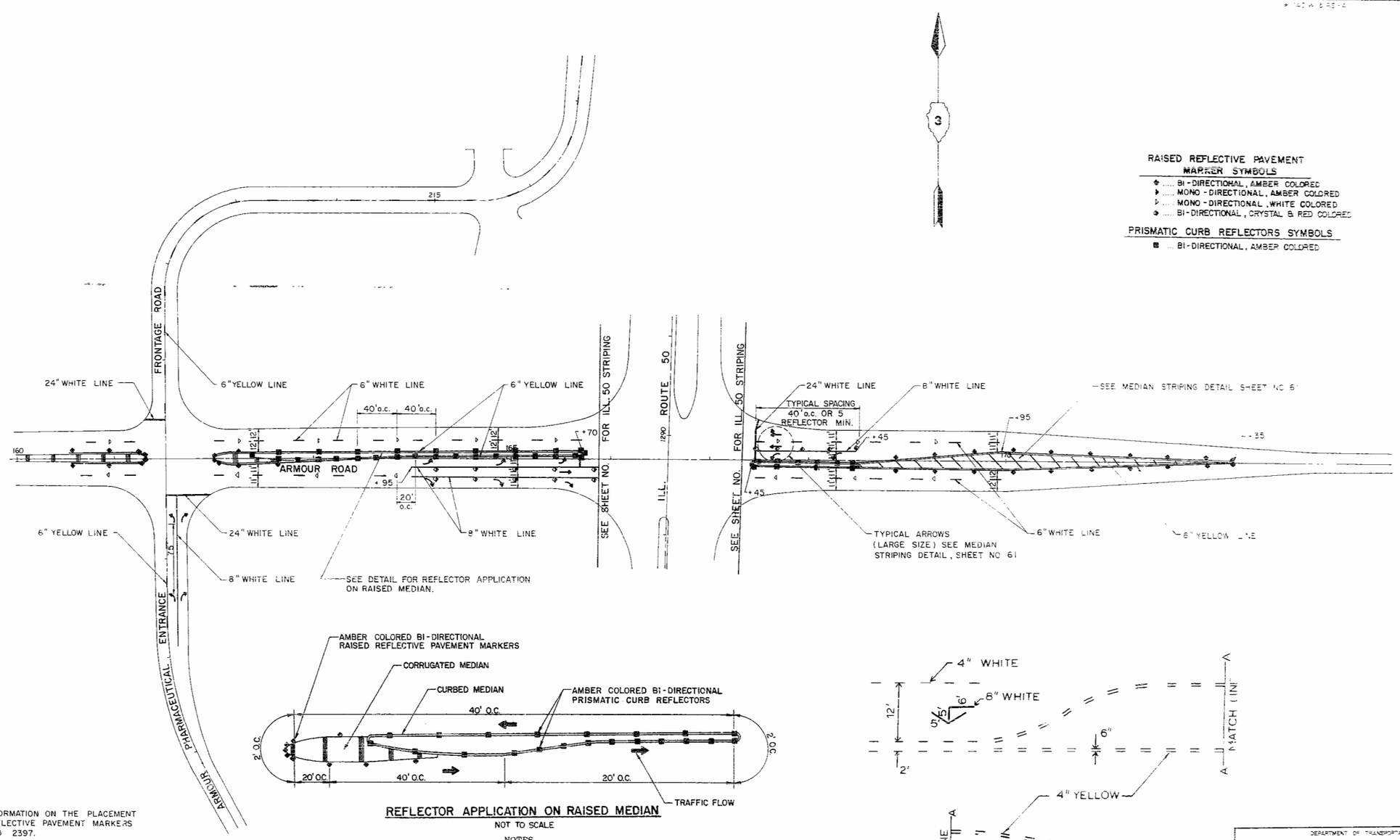
SCALE 1" = 50'

DATE 10-30-86

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50		[illegible]	81	80
STA. 160 + 00		TO STA. 175 + 00		
REF. PROJECT NO.		UNDER PROJECT		



NOTE: FOR ADDITIONAL INFORMATION ON THE PLACEMENT OF THE RAISED REFLECTIVE PAVEMENT MARKERS REFER TO STANDARD 2397.

REFLECTOR APPLICATION ON RAISED MEDIAN

NOT TO SCALE

NOTES

1. PRISMATIC CURB REFLECTORS SHALL BE PLACED ON TOP OF THE CURB OF THE RAISED MEDIAN AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED ON THE PAVEMENT ADJACENT TO THE CORRUGATED MEDIAN, 2 INCHES OFF OF THE PAVEMENT STRIPPING TOWARD TRAFFIC.
2. REFLECTORS SHALL BE POSITIONED SO THAT THE REFLECTIVE FACE IS FACING APPROACHING TRAFFIC.
3. REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.

TEMPORARY PAVEMENT MARKING FOR MEDIANS

DEPARTMENT OF TRANSPORTATION

TRAFFIC STRIPING AND STRIPING DETAILS

STA. 160 + 00 TO STA. 175 + 00

SCALE 1" = 50'

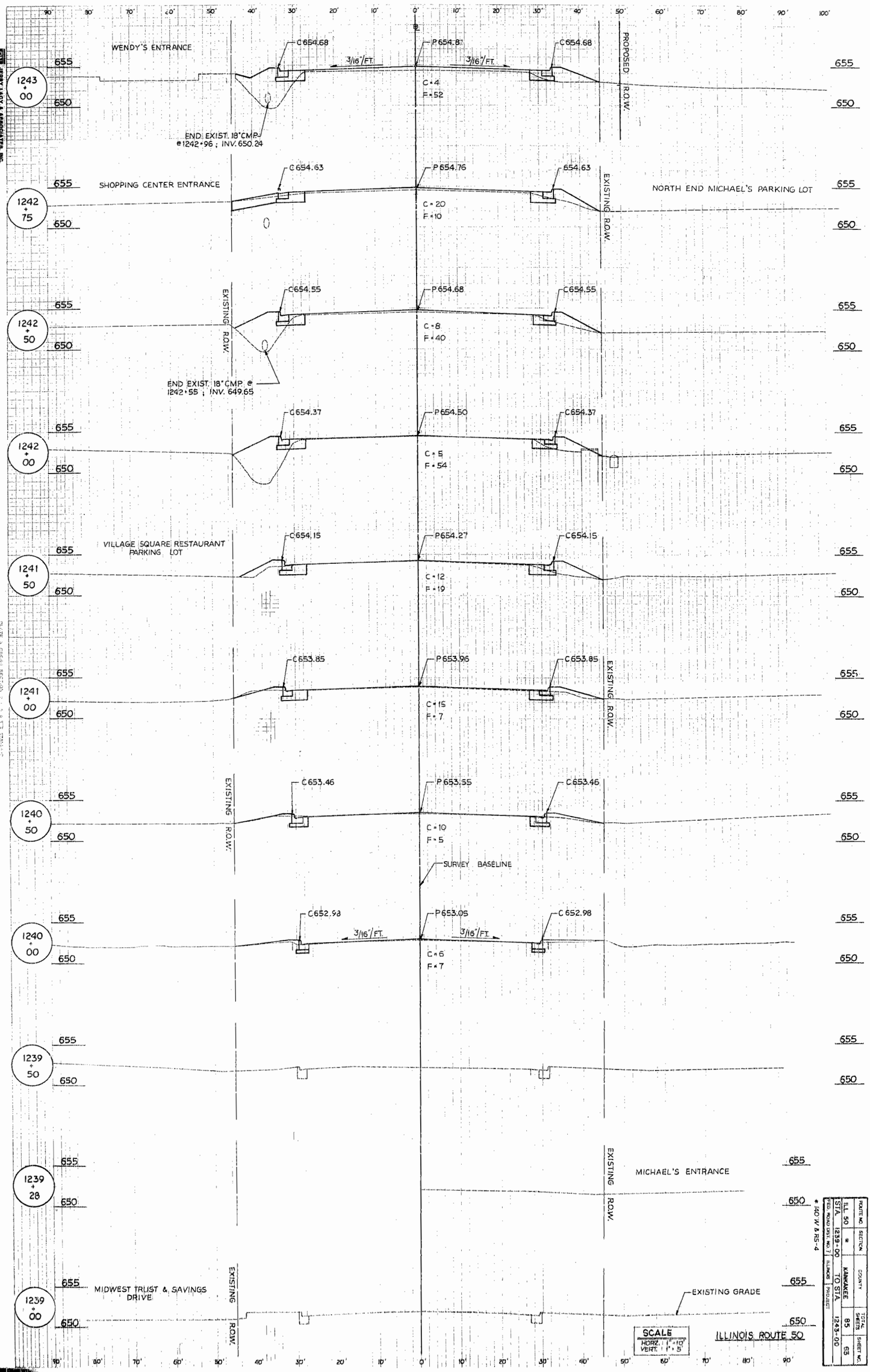
DATE 10-30-86

CHECKED BY G.A.B.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ORIGINAL SURVEY			
NOTE BOOK No. L-244		L.P.M., M.A.R. L.P.M., T.E.H.	3-84 4-84

FINAL SURVEY			
NOTE BOOK No.			



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	63
STA. 1239+00		TO STA. 1243+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

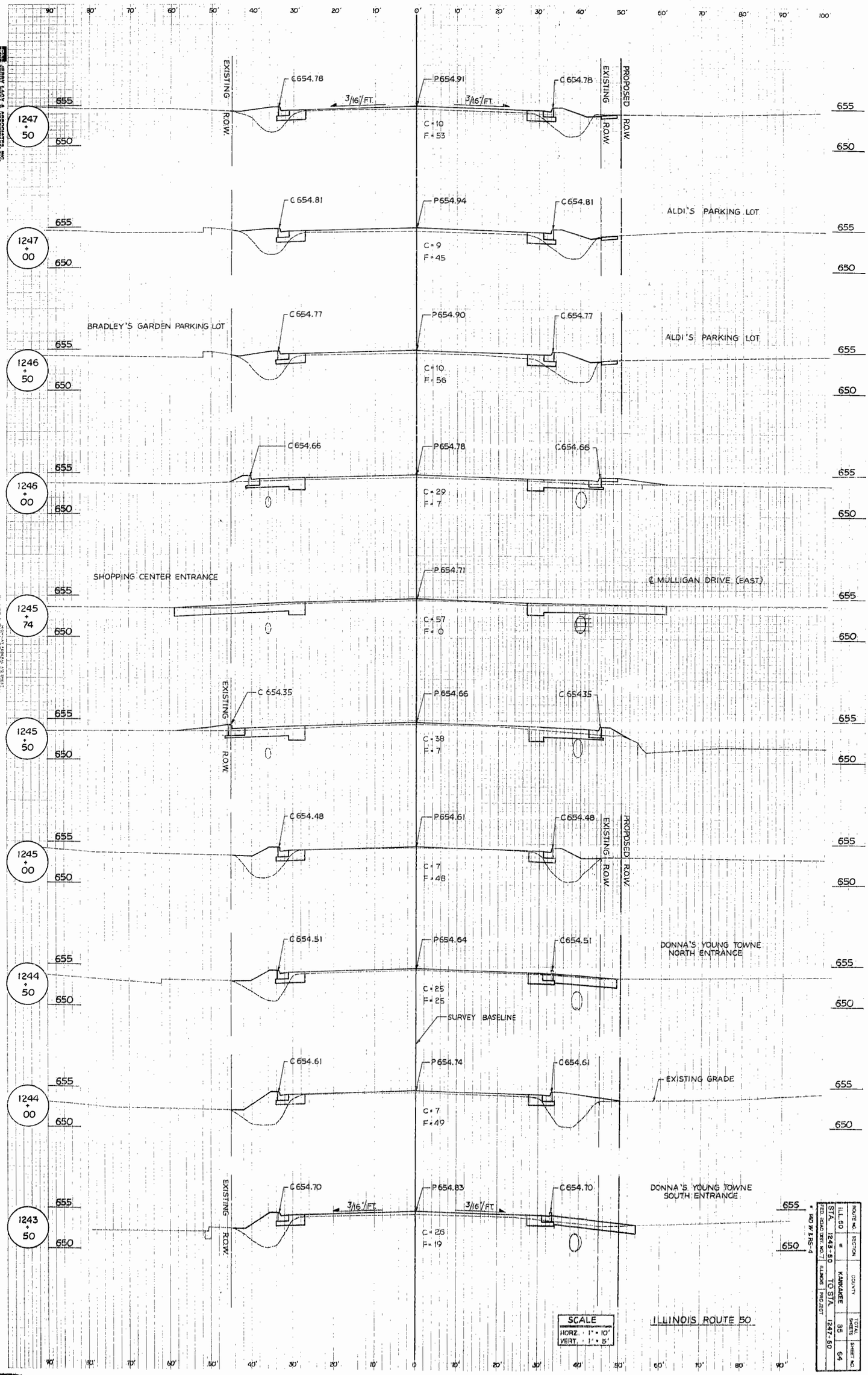
* 140 W & R5-4

CONSULTANT ENGINEER
CONSULTANTS ASSOCIATES, INC.

ORIGINAL SURVEY L-244 | LPM, MAR. 3-84 | LPM, TEH. 4-84

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

PLOT TO 24-FULL CROSS SECTION FULL LON. SCALE COPY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	35	64
STA. 1243+50	TO STA. 1247+50			
FED. ROAD DIST. NO. 1	ILLINOIS	FAP-0503		

* CBD W 2-15-4

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I.L. 50	*	KANKAKEE	85	65
STA. 1247+85		TO STA. 1251+50		

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

* 140 W & R5-4

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

HIGHWAY FEDERAL AID SHEET
FULL CROSS SECTION-FULL LINE
OZALID CORP.
PRINTED IN U.S.A.

LEM, MAR
LPM, TEH

3-84
4-84

ORIGINAL SURVEY
L-244

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	66
STA. 1252 + 00		TO STA. 1256 + 00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140' W & RS-4

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 3-FULL CROSS SECTION-FULL LIN

PRINTED IN U.S.A.

ORIGINAL SURVEY
L-2-4

LPM, K&D 3-84
LPM, T.E.H. 4-84

T.E.H., G.L.

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

90' 80' 70' 60' 50' 40' 30' 20' 10' 0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100'

PROPOSED R.O.W. | EXISTING R.O.W. | EXISTING R.O.W.

1259 + 73 — 660 / 655
P658.25 C658.23 SUNOCO STATION ENTRANCE
C = 8
F = 1

1259 + 50 — 660 / 655
7'
C657.85 1/4'/FT. 3/16'/FT. P658.18 3/16'/FT. C658.16
C = 11
F = 19

1259 + 20 — 660 / 655
P658.03 C658.01 HOLIDAY INN ENTRANCE
C = 19
F = 0

1259 + 00 — 660 / 655
7'
C657.60 P657.93 C657.91
C = 7
F = 44

1258 + 50 — 660 / 655
7'
C657.35 P657.68 C657.66
C = 11
F = 43

1258 + 00 — 660 / 655
7'
C657.10 P657.43 C657.41
C = 16
F = 33

1257 + 50 — 660 / 655
7'
C656.85 P657.18 C657.16
C = 13
F = 33

1257 + 00 — 660 / 655
7'
C656.60 P656.93 C656.91
C = 15
F = 40

SURVEY BASELINE

1256 + 80 — 660 / 655
P656.83 C656.81 HOLIDAY INN ENTRANCE
C = 26
F = 0

℄ OF CONST. (TYP.)

1256 + 50 — 660 / 655
7'
C656.35 1/4'/FT. 3/16'/FT. P656.68 3/16'/FT. C656.66
C = 15
F = 19

EXISTING GRADE

SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ILLINOIS ROUTE 50

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	57
STA. 1256+50	TO STA. 1259+73			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 150 W 2 RS-4

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	68
STA. 1260+00		TO STA. 1264+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I.L. 50	*	KANKAKEE	85	69
STA. 1264 + 50	TO STA. 1269 + 00			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS - 4

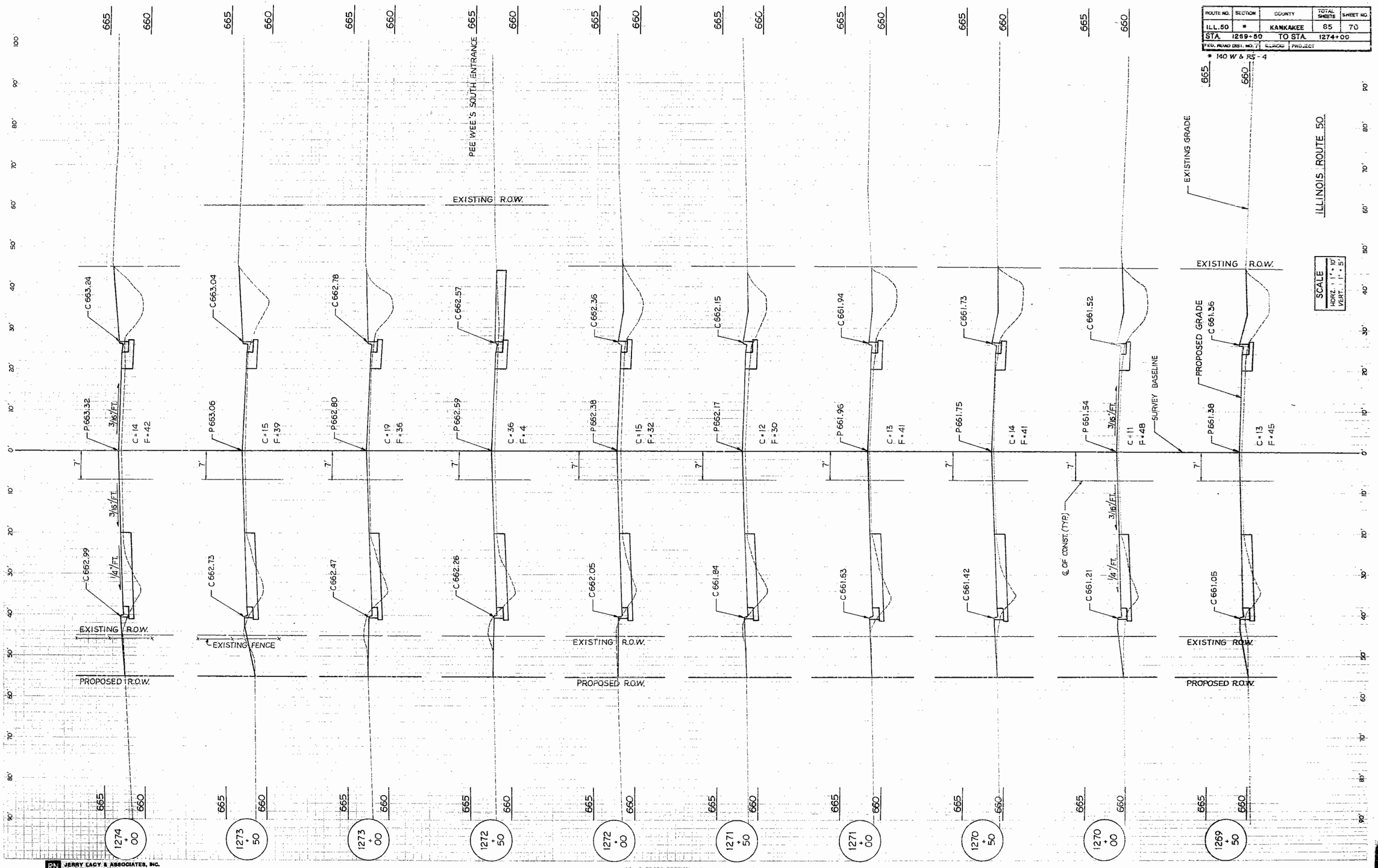
FINAL SURVEY

ORIGINAL SURVEY

LPM, KBD 3-84
LPM, TEH 4-84

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL.50	*	KANKAKEE	85	70
STA. 1269+50		TO STA. 1274+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

FIG. 3 CROSS SECTION
DIETZGEN CORPORATION

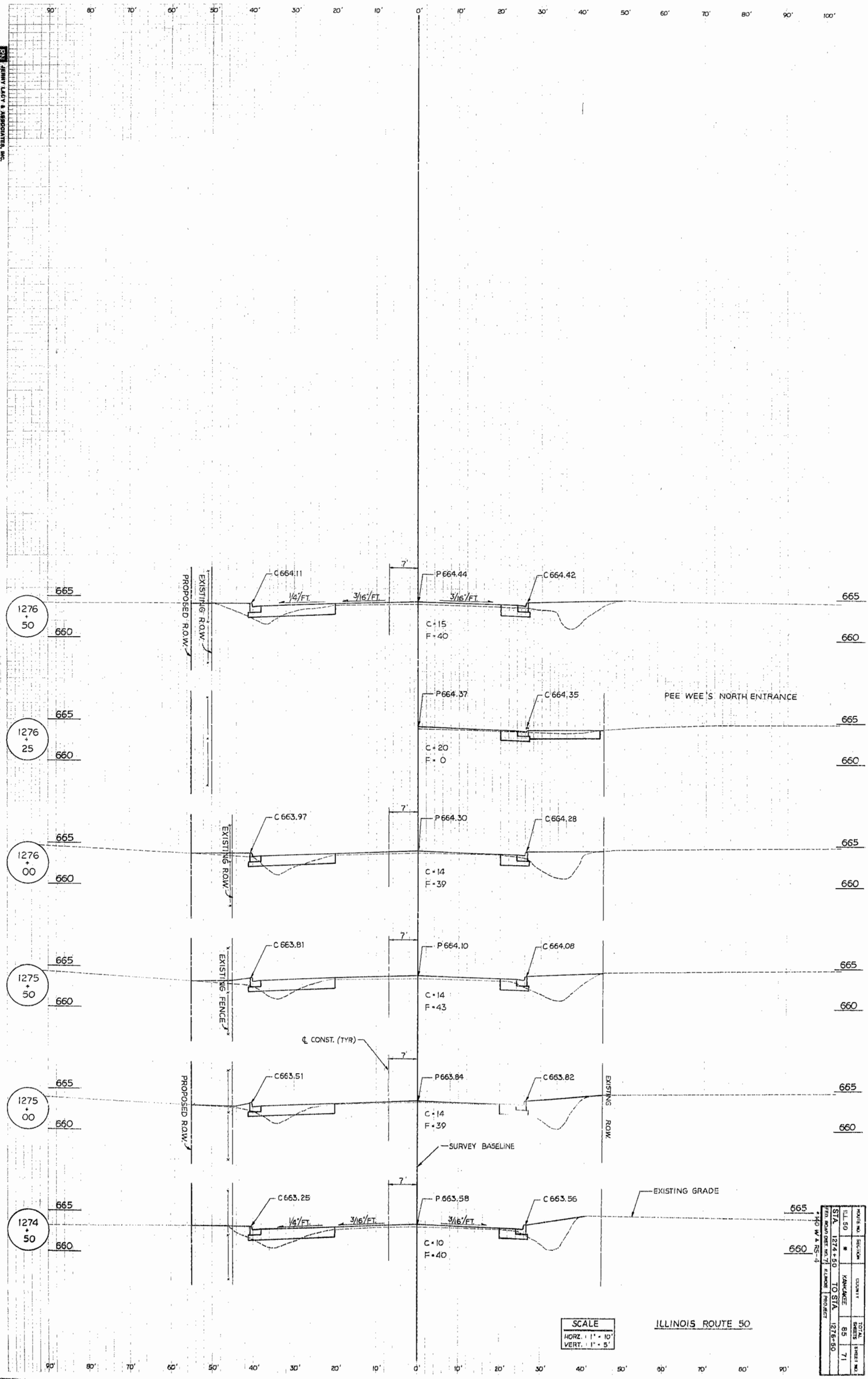
FINAL SURVEY

L.P.M. KSQ 3-84
L.P.M. T.E.H. 4-84

ORIGINAL SURVEY
NOTE BOOK No. L-244

ORIGINAL SURVEY | L.P.M., K.S.O. L.P.M., T.E.H. | 3-84 4-84 | FINAL SURVEY

JEWNY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

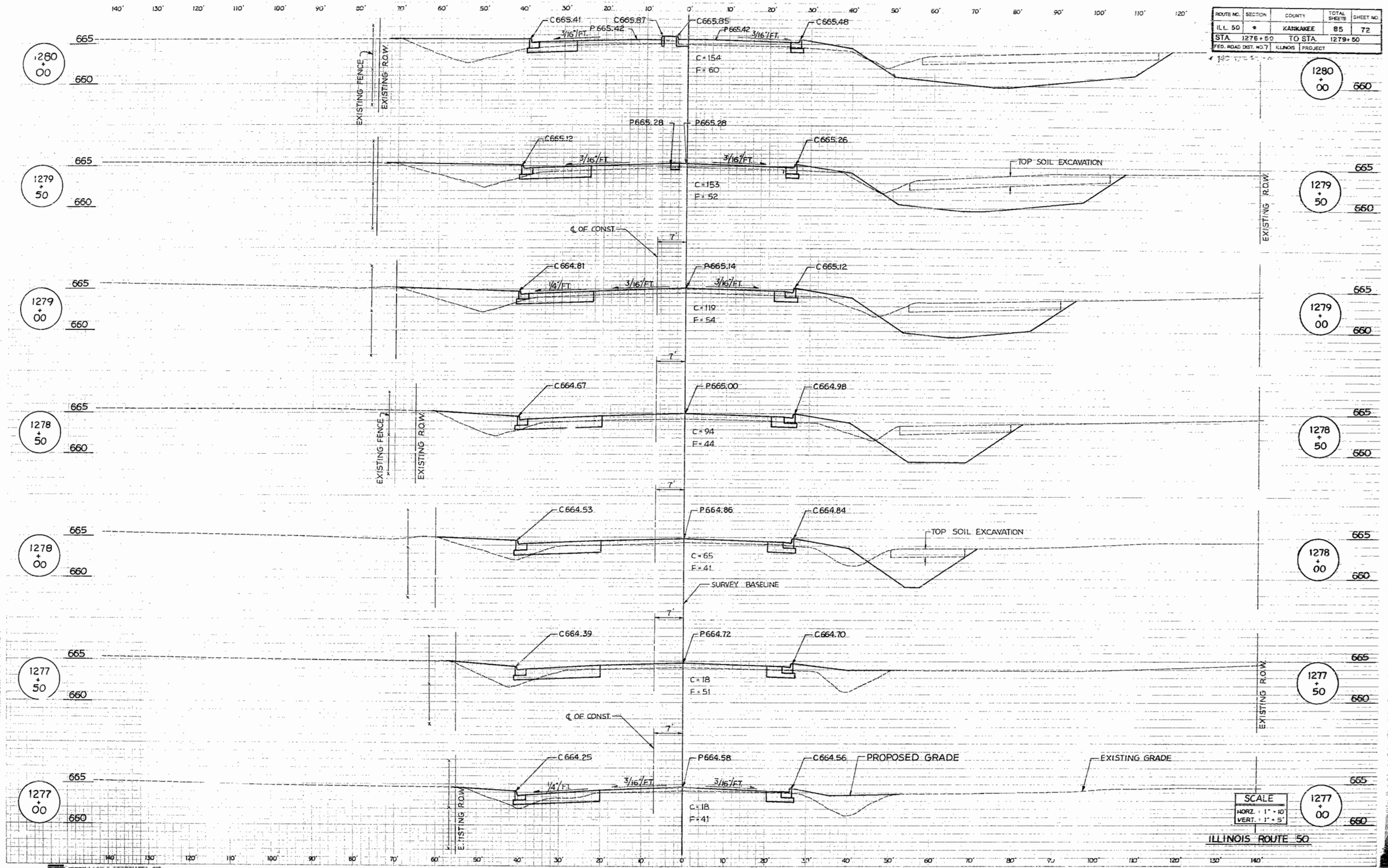


SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ILLINOIS ROUTE 50

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	71
STA. 1274+50 TO STA. 1276+50				
FED. ROAD DIST. NO. 7 ILLINOIS	PROJECT	HO-W & RS-4		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	72
STA. 1276+50		TO STA. 1279+50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

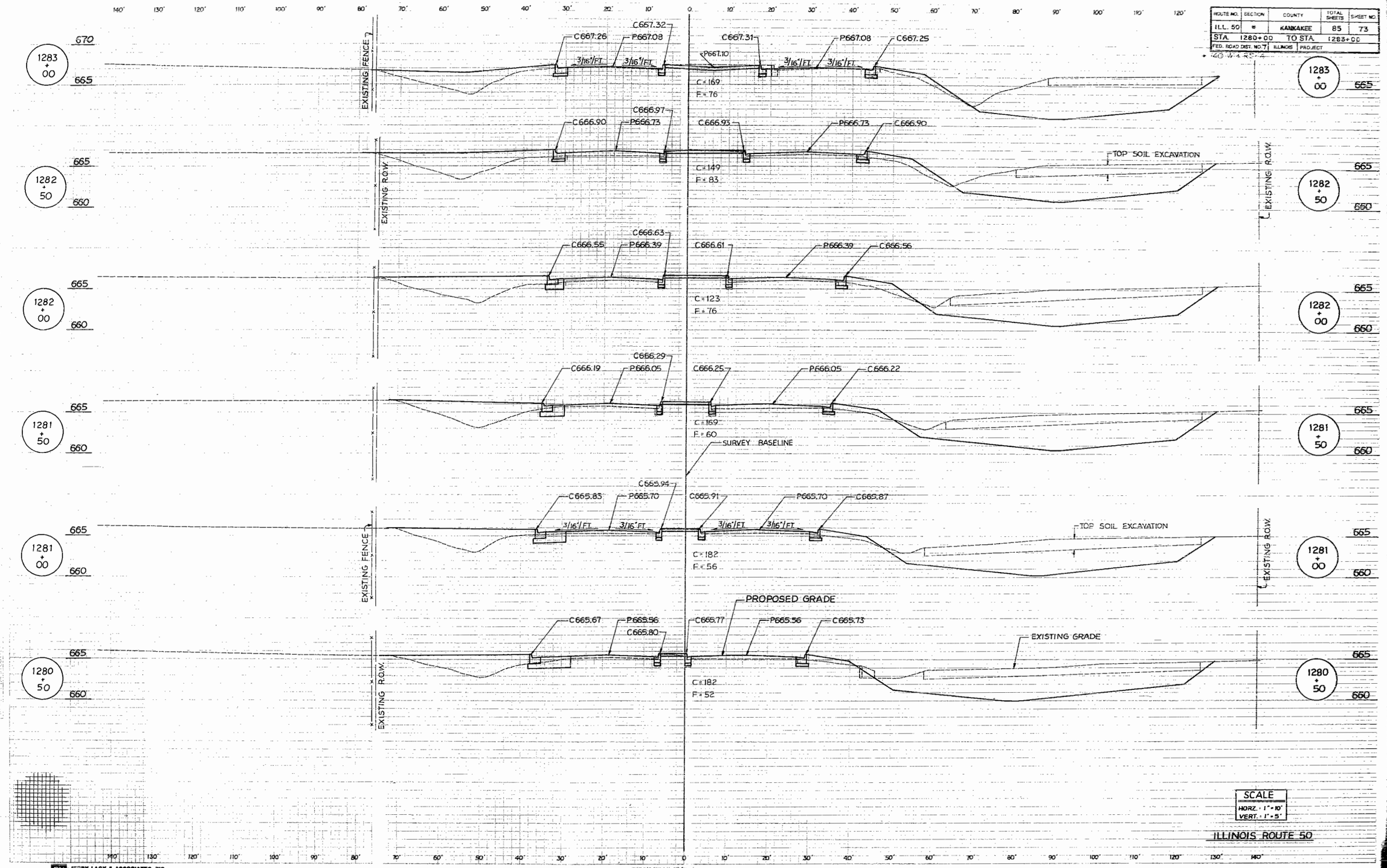
PLATE 3-FULL CROSS SECTION FULL LINE

L.P.M. K.E.D. 3-84
L.P.M. T.E.H. 4-84

ORIGINAL SURVEY

L-244

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	73
STA. 1280+00		TO STA. 1283+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



SCALE
HORZ. - 1" = 10'
VERT. - 1" = 5'

ILLINOIS ROUTE 50

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

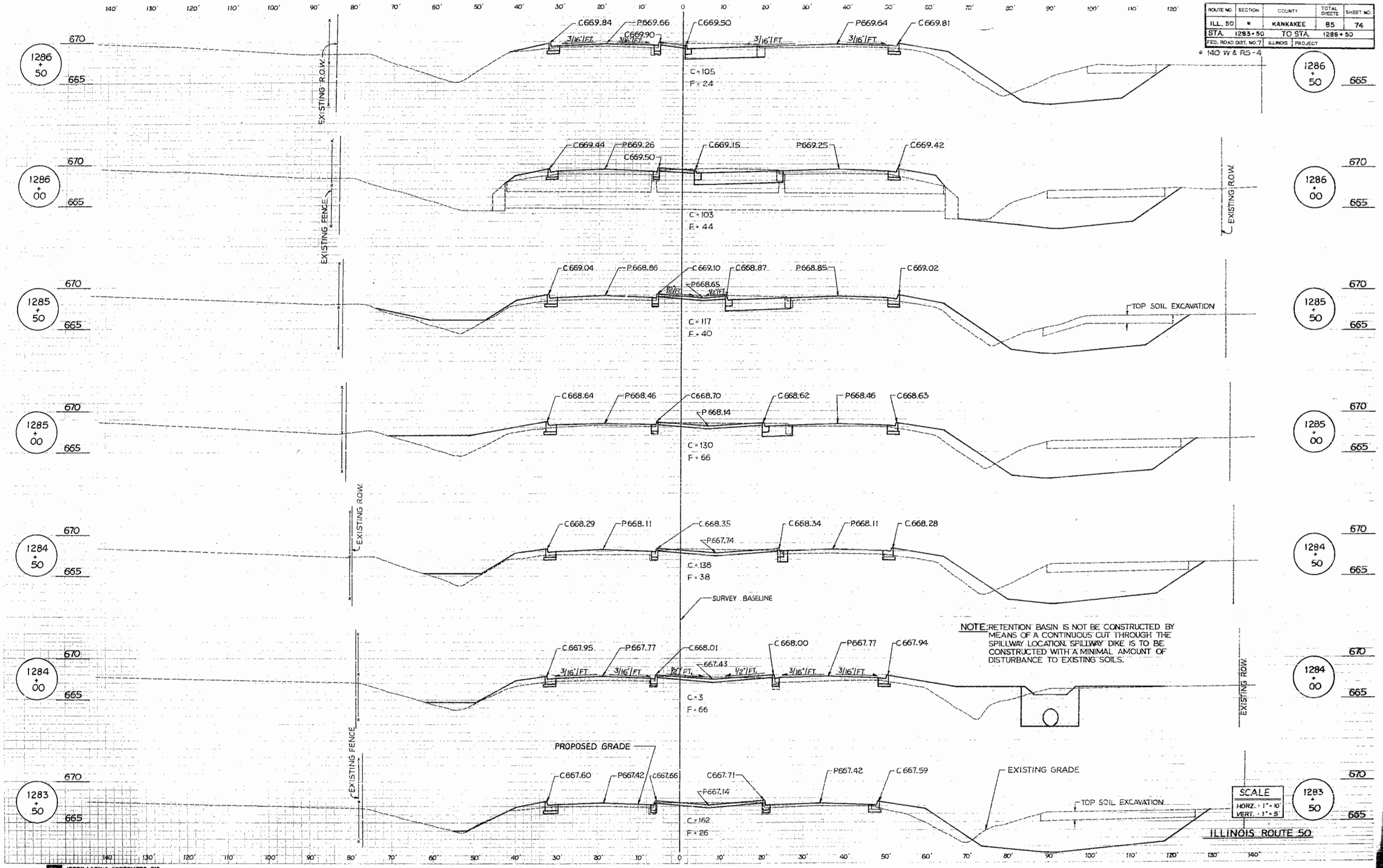
PLATE 3-FULL CROSS SECTIONS

LPM, FED. 3-84
LPM, T.E.H. 4-84

ORIGINAL SURVEY
L-244

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	74
STA. 1283+50		TO STA. 1286+50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



NOTE: RETENTION BASIN IS NOT BE CONSTRUCTED BY MEANS OF A CONTINUOUS CUT THROUGH THE SPILLWAY LOCATION. SPILLWAY DIKE IS TO BE CONSTRUCTED WITH A MINIMAL AMOUNT OF DISTURBANCE TO EXISTING SOILS.

SCALE
HORZ. = 1" = 10'
VERT. = 1" = 5'

ILLINOIS ROUTE 50

FINAL SURVEY

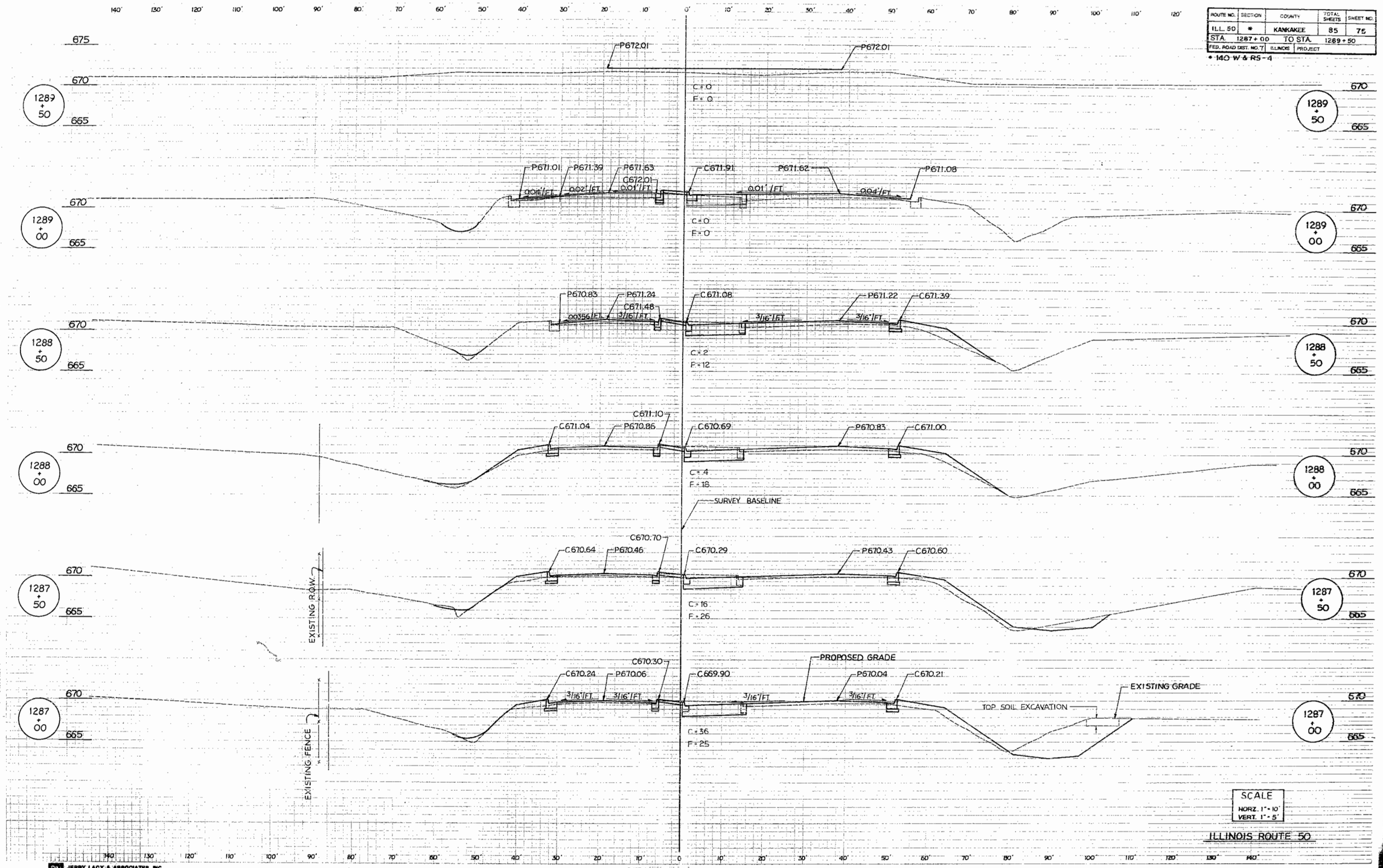
LPK, MAR 3-84
LPK, TEH 4-84

ORIGINAL SURVEY
L-244

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	75
STA. 1287+00		TO STA. 1289+50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ILLINOIS ROUTE 50

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

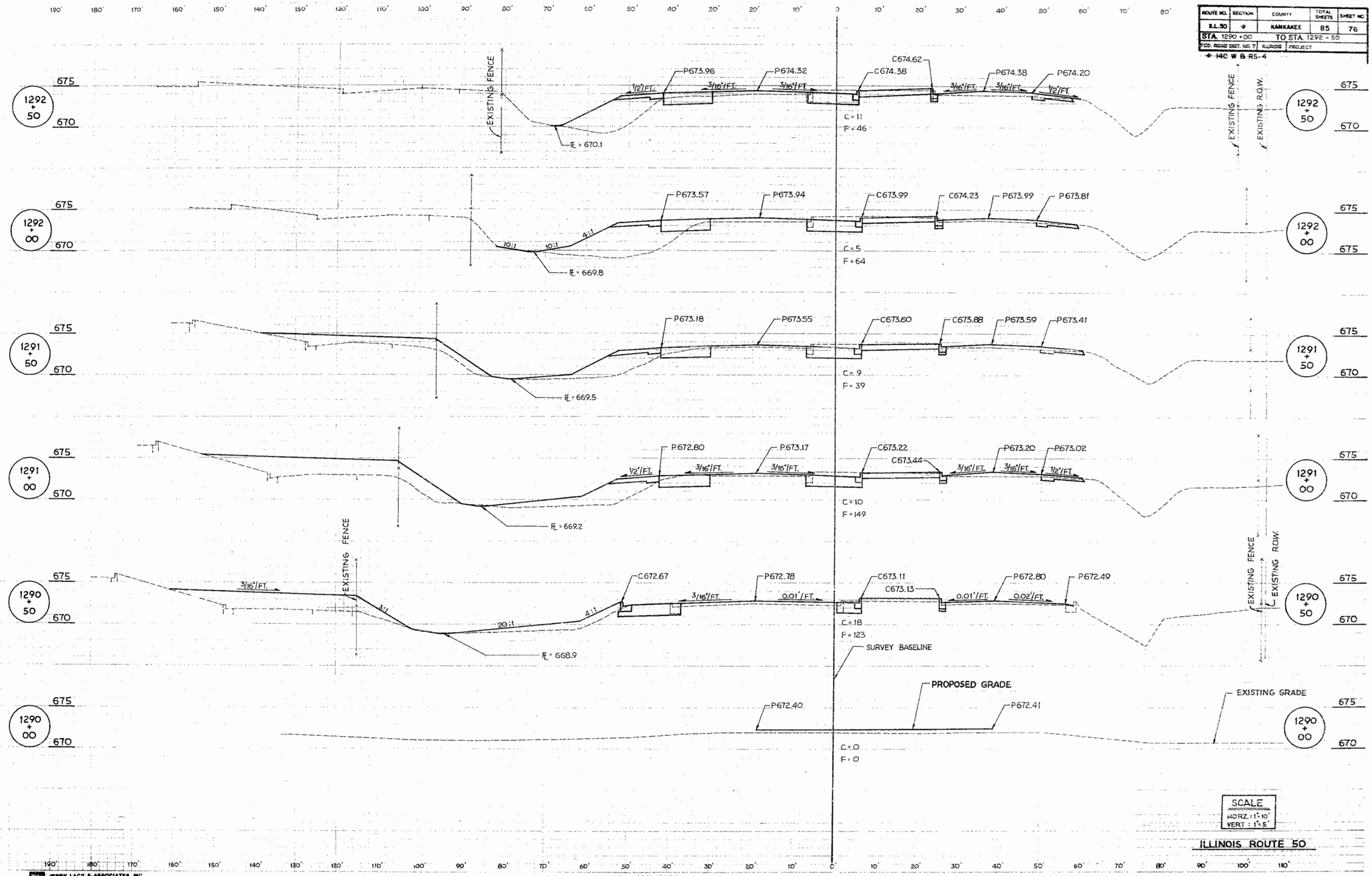
PLATE 3-FULL CROSS SECTION FULL LINE

LRM, KSD 3-84
LRM, TEH 4-84

ORIGINAL
REVISED
REVISED
REVISED
SHEET NO. L-244

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
I.L. 50	9	KANKAKEE	85	76
STA. 1290 + 00		TO STA. 1292 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

140 W & R5-4



R.G. SG 4-85
T.E.H. 9-86

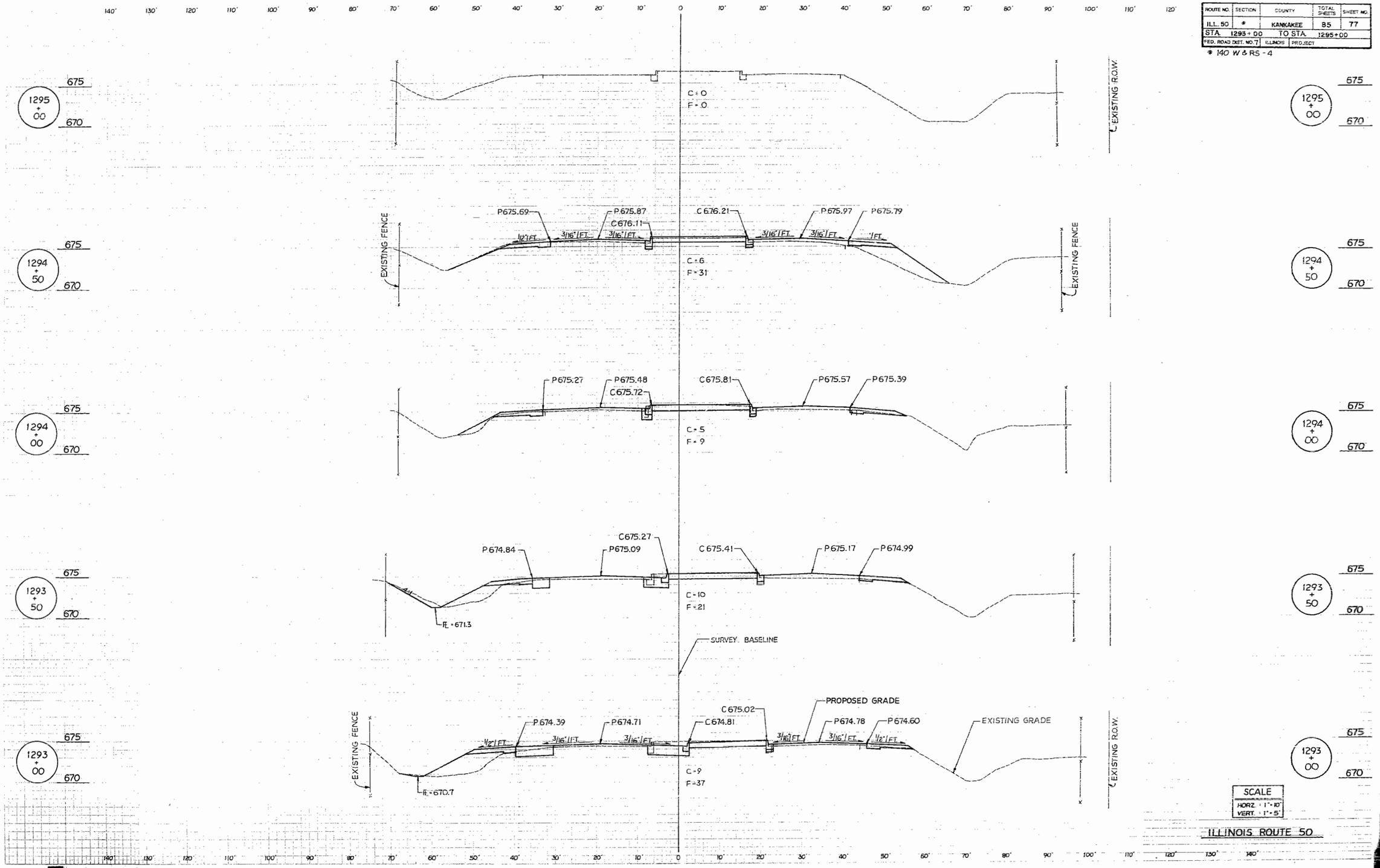
L-244

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 3-FULL CROSS SECTION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	77
STA. 1293+00		TO STA. 1295+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W & RS-4



SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ILLINOIS ROUTE 50

FINAL SURVEY

ORIGINAL SURVEY

L.P.M. K.S.O. 3-84
L.P.M. T.E.H. 4-84

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	78
STA. 160+00		TO STA. 164+75		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W. & RS-4

FINAL SURVEY — G.L., T.E.H.

ORIGINAL SURVEY — L.P.H., K.A.R. 3-84; L.P.H., T.E.H. 4-84

L-224

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

PLATE 3-FULL CROSS SECTION FULL LINE

ORIGINAL SURVEY			
NOTE BOOK L-244		L.P.M., R.S.G. L.P.M., T.E.H.	3-64 4-64

FINAL SURVEY		
NOTE BOOK		

JERRY LACY & ASSOCIATES, INC. CONSULTING ENGINEERS

168 + 50 — 675 / 670

P671.00 P671.35 P671.23 P670.90

C = 20
F = 1

EXISTING R.O.W.

168 + 00 — 675 / 670

P670.50 C671.71 P671.07 C671.57 P671.07 P670.63

C = 21
F = 4

167 + 50 — 675 / 670

P670.84 P671.31 C671.95 C671.79 P671.29 P670.25

C = 0
F = 0

167 + 00 — 675 / 670

P672.23 P672.13

C = 0
F = 0

166 + 50 — 675 / 670

P672.25 P672.16

C = 0
F = 0

166 + 00 — 675 / 670

C672.60 P672.02 P671.96

C = 12
F = 28

SURVEY BASELINE

165 + 50 — 675 / 670

C672.10 P671.90 C672.40 C672.50 P671.86 PROPOSED GRADE ELEV. 668.80

EXISTING 18" INVERT ELEV. 667.55

C = 8
F = 4

165 + 00 — 675 / 670

EXISTING FRONTAGE ROAD C672.20 P672.06 C672.56 C672.64 P672.01 C671.78 EXISTING GRADE

C = 7
F = 5

SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ARMOUR ROAD

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	79
STA. 165+00	TO STA. 166+50			

FED. ROAD DIST. NO. 7 ILLINOIS PROJECT

140 W & RS-4

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL 50	*	KANKAKEE	85	80
STA. 169+00		TO STA. 172+00		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	81
STA. 172 + 50		TO STA. 173 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 VIL. & RS-4

FINAL SURVEY

ORIGINAL SURVEY

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
* FILLDIRE
PRINTED IN U.S.A.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	82
STA. 202 + 98.32	TO STA. 206+50			
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W-3 R5-4

ARMOUR PHARMACEUTICAL ENTRANCE ROAD

SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

FINAL SURVEY — L.P.M. G.L. — DEC. 85

ORIGINAL SURVEY — L.P.M. G.L. — DEC. 85

670 665

P668.48 C668.65 ¼'/FT. C-38 F-0

C668.65

P668.18 C668.35 C-38 F-0

C668.35

P668.31 C668.48 C-40 F-0

C668.48

PROPOSED GRADE

P668.37 C668.54 C-57 F-0

C668.54

P668.16 C668.33 C-46 F-2

C668.33

P667.81 C667.98 C-35 F-3

C667.98

EXISTING GRADE

CONSTRUCTION BASELINE

P667.46 C667.63 ¼'/FT. C-28 F-0

C667.63

EXISTING GRADE

MATCH EXISTING GRADE

206 + 50 | 206 + 00 | 205 + 50 | 205 + 00 | 204 + 50 | 204 + 00 | 203 + 50 | 202 + 98.32

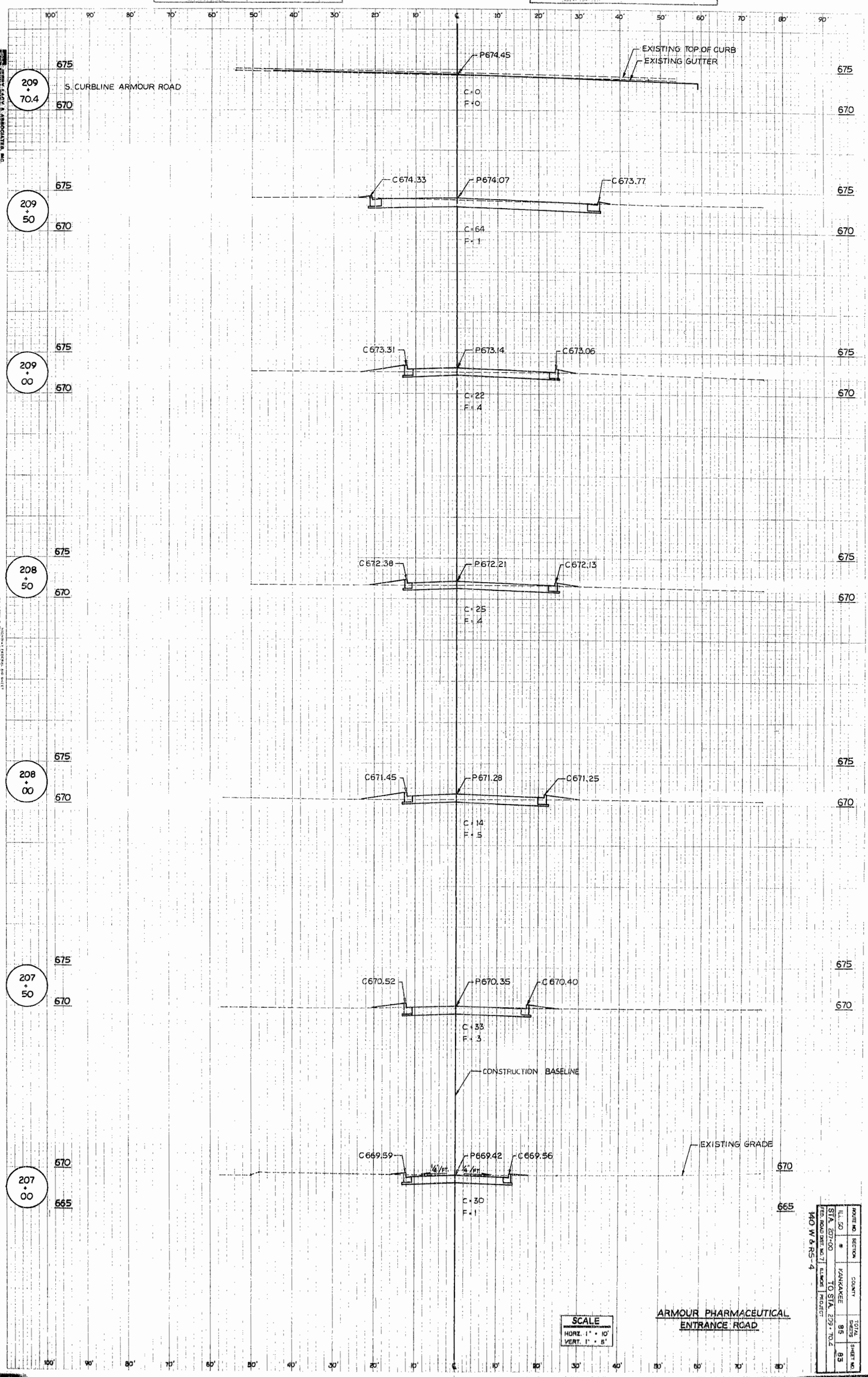
JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 3-FULL CROSS SECTION-FULL LINE

HIGHWAY FEDERAL AID SHEET
3M-TELDYNE
PRINTED IN U.S.A.

ORIGINAL SURVEY	BY	DATE
NOTES FROM: ADVERTISED / SCANNED / TEMPLATE / PLAN / REVISED	L.P.M. G.L.	DEC. 85

FINAL SURVEY	BY	DATE
NOTE FROM: TEMPLATE / TEMPLATE / AREAS / AREAS (REVISED)	L.P.M. G.L.	



SCALE
HORZ. 1" = 10'
VERT. 1" = 5'

ARMOUR PHARMACEUTICAL
ENTRANCE ROAD

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	VANKANKEE	85	83
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

STA. 207+00 TO STA. 229+70.4

140 W & RS-4

JENNY, LACEY & ARMOCHAIN, INC.
CONSULTING ENGINEERS

PLATE 3 FULL CROSS SECTION (ILL. 50)
PROJECT

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	84
STA. 210+31.4		TO STA. 213+13.64		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140 W 6 RS-4

JERRY LACY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 3 FULL CROSS SECTION FULL LINE

DATALID CORP
PRINTED IN U.S.A.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILL. 50	*	KANKAKEE	85	85
STA. 213 + 50		TO STA. 217 + 50		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 140W & RS-4

FINAL SURVEY

ORIGINAL SURVEY

JERRY LADY & ASSOCIATES, INC.
CONSULTING ENGINEERS

PLATE 3 CROSS SECTION
DETOUR CONSTRUCTION