

IDOT FEDERAL AID DESIGN ENGINEER: JESSICA FELICIANO (847) 705-4487

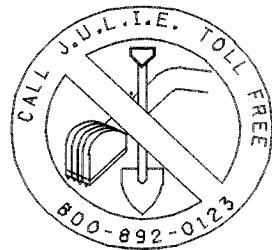
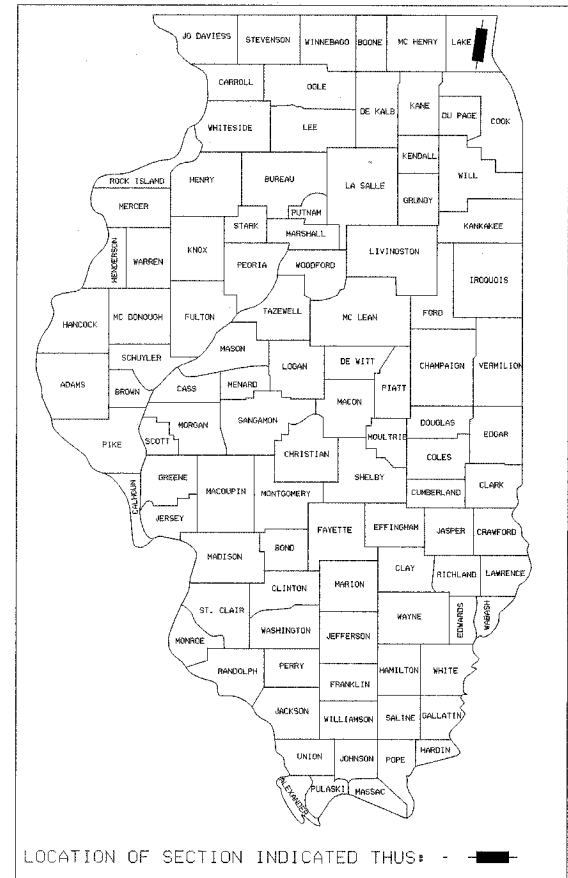
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	1

CONTRACT NO: 83838

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR
 PROPOSED LOCAL AGENCY IMPROVEMENT
 FEDERAL-AID URBAN PROJECT

F.A.U. 2664 (GARFIELD AVENUE)
 VILLAGE SECTION: 00-00088-00-RS
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 ROADWAY RESURFACING
 PROJECT M - 8003 (441)
 VILLAGE OF LIBERTYVILLE
 LAKE COUNTY
 JOB NO: C-91 346-04

FOR INDEX OF SHEETS,
SEE SHEET NO. 2



IMPROVEMENT ENDS
 STA. 54+30
 GARFIELD AVENUE

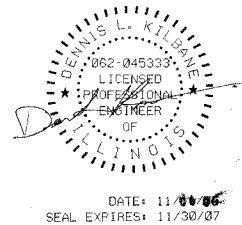
IMPROVEMENT BEGINS
 STA. 2+42
 GARFIELD AVENUE



LOCATION MAP

SCALE 1" = 1000'
 GROSS AND NET LENGTH OF PROJECT : 5,188 L.F. = 0.98 MILES

DESIGN DESIGNATION
 GARFIELD AVENUE: 235 (24) COLLECTOR 0.50 (FD-20)
 DESIGN SPEED: 30 MPH
 POSTED SPEED: 25 MPH
 ADT (EXISTING): 5,800 VPD
 ADT (2030): 7,000 VPD



PLANS PREPARED BY:

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 I.D.O.T.

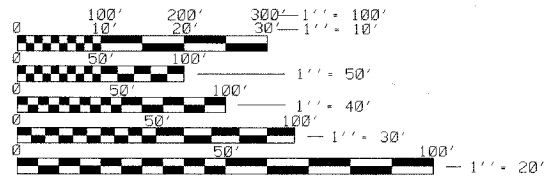
APPROVED Nov. 6 2006
Steven R. Magnusen STEVEN R. MAGNUSEN, P.E.
 DIRECTOR OF PUBLIC WORKS
 VILLAGE OF LIBERTYVILLE

PASSED November 8 2006
Christopher Holt CHRISTOPHER HOLT
 DISTRICT ENGINEER OF LOCAL ROAD & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW Nov. 8 2006

Diane O'Keefe DIANE O'KEEFE
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

VILLAGE OF LIBERTYVILLE
 DEPARTMENT OF PUBLIC WORKS/ENGINEERING DIVISION
 200 E. COOK AVENUE
 LIBERTYVILLE ILLINOIS 60048
 PHONE: 847 918-2100



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

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 (J.U.L.I.E.)
 1-800-892-0123
 CONTRACTOR SHALL REQUEST LOCATES AT LEAST
 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION

CONTRACT NO.: 83838

F.A.U. PTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (441)		
CONTRACT NO.: 83838				

NAME: DENNIS L. KILBANE
 DATE: _____
 ILL. REG. P.E. NO. 062-045333
 EXPIRES: 11-30-07

SHEET NO. **2** of **23**

FILE: 0002/04/MSHETS/DRL
 DRAWN BY: DLK
 FIELD CHECK: DLK
 APPROVED BY: _____

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 INDEX OF SHEETS, LEGEND AND HIGHWAY STANDARDS
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:
 BY: _____
 DATE: _____
 AS BUILT BY: _____

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LEGEND AND HIGHWAY STANDARDS
3	GENERAL NOTES, SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6-15	PROPOSED PLAN AND PROFILE
16-20	PROPOSED PAVEMENT MARKING PLAN
21	TRAFFIC CONTROL PLAN AND DETOUR PLAN
22	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
23	BUTT JOINT AND BITUMINOUS TAPER DETAILS BD 400-05 (BD 32)

LIST OF HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-04	CURB RAMPS FOR SIDEWALKS
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701801-03	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

EXISTING	LEGEND	PROPOSED
	Spotlight	
	Street Light	
	Power Pole	
	Guy Wire Anchor	
	Sign	
	Mailbox	
	Telephone Pedestal	
	Telephone Vault	
	Handhole	
	Traffic Signal	
	Electric Vault	
	In-Ground Sprinkler	
	Fire Hydrant	
	Water Service Box	
	Water Valve	
	Water Valve & Vault	
	Gas Service Box or Test Station	
	Gas Valve	
	Inlet	
	Catch Basin	
	Storm Manhole	
	Sanitary Manhole	
	Deciduous Tree	
	Deciduous Bush (Under 5' Dia.)	
	Deciduous Bush (5' Dia & Larger)	
	Coniferous Tree	
	Coniferous Bush (Under 5' Dia.)	
	Coniferous Bush (5' Dia. & Larger)	
	Bush Line	
	Tree Line	
	Overhead Electric	
	Overhead Telephone	
	Overhead Electric & Telephone	
	Overhead Electric & Cable TV	
	Overhead Electric, Telephone & Cable TV	
	Underground Street Light Cable	
	Underground Electric	
	Underground Telephone	
	Underground Cable TV	
	Gas Line	
	Fence Line	
	Storm Sewer	
	Sanitary Sewer	
	Water Main	

GENERAL NOTES

1. DURING CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES SO THAT THE FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

3. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE ENGINEER.

4. COMBINATION CURB AND GUTTER SHALL BE DEPRESSED ACROSS ALL DRIVEWAYS, SIDEWALK RAMP, AND AS DIRECTED BY THE ENGINEER. SIDEWALK RAMP ADJACENT TO CURB AND GUTTER REPLACEMENT SHALL BE REBUILT TO CURRENT ADAAG REQUIREMENTS, INCLUDING DETECTABLE WARNINGS.

5. THE CONTRACTOR SHALL ENSURE THAT PROPER DRAINAGE IS MAINTAINED WITHIN THE PROJECT LIMITS DURING CONSTRUCTION. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

6. THE CONTRACTOR SHALL PLACE FRESH OIL SIGNS (W21-I) PRIOR TO APPLICATION OF PRIME COAT TO PAVEMENT WHICH IS OPEN TO TRAFFIC. SIGNS SHALL REMAIN IN PLACE UNTIL TRACKING OF THE PRIME CEASES.

7. ALL PARKWAYS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY GRADED AND RECEIVE FOUR INCHES OF TOPSOIL AND SODDING.

8. THE CONTRACTOR MAY BE REQUIRED TO PUT A GRADE BREAK IN THE SCREED OF THE PAVING MACHINE TO ALLOW THE REQUIRED THICKNESS OF THE HOT-MIX ASPHALT MIXTURE OVER THE FULL WIDTH OF THE PAVEMENT CROSS SECTION.

9. THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE SURFACE OF EACH HOT-MIX ASPHALT COURSE PRIOR TO PLACEMENT OF THE NEXT HOT-MIX ASPHALT COURSE. THE COST OF CLEANING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

10. ANY FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

11. SIDEWALK CROSSING A RESIDENTIAL DRIVEWAY SHALL BE THICKENED TO 6 INCHES AND WILL BE PAID FOR AS P.C.C. DRIVEWAY, 6".

12. SAW CUTTING OF PAVEMENT, SHOULDERS, ETC. SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO THE ITEM REMOVED, INCLUDING PAVEMENT REMOVAL REQUIRED FOR PAVEMENT PATCHES.

13. THE CONTRACTOR SHALL CONTROL DUST RESULTING FROM CONSTRUCTION OPERATIONS BY THE UNIFORM APPLICATION OF SPRINKLED WATER AND SHALL BE APPLIED WHEN DIRECTED AND IN A MANNER APPROVED BY THE ENGINEER. DUST CONTROL WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

14. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT UNITED STATES POSTAL SERVICE CARRIERS HAVE ACCESS TO ALL MAILBOXES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL COORDINATE ANY CHANGES IN POSTAL DELIVERY NECESSITATED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CONTACT THE LIBERTYVILLE POSTMASTER AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO BEGINNING ANY WORK WHICH WOULD AFFECT NORMAL MAIL DELIVERY. TEMPORARILY RELOCATED MAILBOXES SHALL BE SET AT THE HEIGHT PRESCRIBED BY U.S.P.S. REGULATIONS. MAILBOXES SHALL BE RE-SET AT THEIR ORIGINAL LOCATIONS WHEN CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL REPLACE AT HIS EXPENSE ANY MAILBOXES DAMAGED DURING CONSTRUCTION. THE REPLACEMENT MAILBOX SHALL BE COMPARABLE TO THE ORIGINAL AND SHALL MEET WITH THE APPROVAL OF THE PROPERTY OWNER. MAINTAINING ACCESSIBILITY TO MAILBOXES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.

15. AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION, CONTRACTOR SHALL CALL "JULIE" AT 800 892-0123 TO REQUEST FIELD LOCATIONS OF BURIED UTILITIES. AGENCIES OWNING BURIED FACILITIES WITHIN THE LIMITS OF THIS PROJECT ARE AS FOLLOWS:

- PEOPLE'S ENERGY - NATURAL GAS
- COMED - ELECTRIC
- AT&T/SBC - TELEPHONE
- COMCAST - CATV
- VILLAGE OF LIBERTYVILLE - POTABLE WATER, SANITARY SEWER, STORM SEWER, STREET LIGHT CABLES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	3
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	M - 8003 (441)	
CONTRACT NO.: 83838				

NAME: DENNIS L. KILBANE
DATE: _____
ILL. REG. P.E. NO.: 062-045333
EXPIRES: 11-30-07

SHEET NO. 3 of 23

FILE 0002/21/AN/SHEETS/DON
DRAWN BY: _____
FIELD CHECK: _____
APPROVED BY: _____

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
GREEN TREE PARKWAY TO W. ROCKLAND ROAD
GENERAL NOTES SUMMARY OF QUANTITIES
DATE OF ISSUE: 10/13/06
PROJECT NO.: 0503

REVISIONS: _____
DATE: _____
AS BUILT BY: _____

VILLAGE OF LIBERTYVILLE
118 West Cook Avenue
Libertyville, Illinois 60048
(847) 362-2430

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY I-000
20101200	TREE ROOT PRUNING	EACH	30
20200100	EARTH EXCAVATION	CU YD	1475
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2450
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1400
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	20
25000600	POTASSIUM FERTIZER NUTRIENT	POUND	20
25200100	SODDING	SQ YD	1400
25200200	SUPPLEMENTAL WATERING	UNIT	10
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	1125
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2150
40600300	AGGREGATE (PRIME COAT)	TON	40
40600400	MIXTURE FOR CRACKS, JOINTS & FLANGEWAYS	TON	35
40600525	LEVELING BINDER (HAND METHOD), N50	TON	25
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1300
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	725
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	250
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50	TON	20
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE D, N50	TON	2000
42001300	PROTECTIVE COAT	SQ YD	900
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	70
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	SQ YD	10
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	360
42400800	DETECTABLE WARNINGS	SQ FT	75
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	80
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3200
44000600	SIDEWALK REMOVAL	SQ FT	360
44201313	CLASS C PATCHES, TYPE I, 7 INCH	SQ YD	240
44201317	CLASS C PATCHES, TYPE II, 7 INCH	SQ YD	400
44201321	CLASS C PATCHES, TYPE III, 7 INCH	SQ YD	170
44201323	CLASS C PATCHES, TYPE IV, 7 INCH	SQ YD	290
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	450
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	370
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	4240
44400100	FIBERGLASS FABRIC REPAIR SYSTEM	SQ YD	2525
60107600	PIPE UNDERDRAIN 4"	FOOT	360
60250200	CATCH BASINS TO BE ADJUSTED	EACH	13
60604400	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18	FOOT	3200
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO.	3
67100100	MOBILIZATION	LUMP SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	LUMP SUM	1
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1500
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	500
78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS	SQ FT	146
* 78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	17425
* 78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	800
* 78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	250
x4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	13600
Z0063000	SAWING PC CONCRETE PAVEMENT 2"	FOOT	10200

* SPECIALTY ITEMS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44)		
CONTRACT No. 83838				

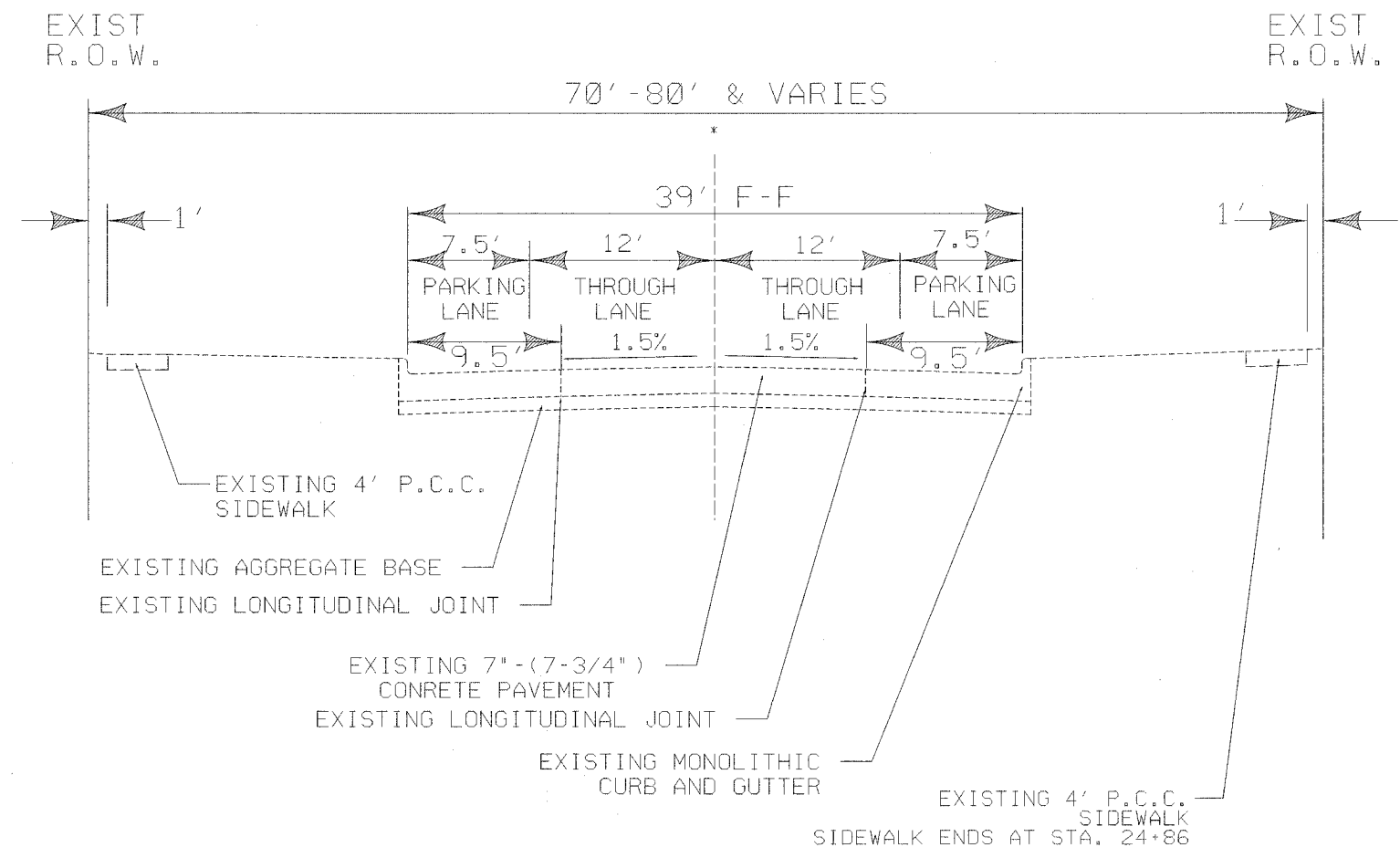
NAME DENNIS L. KILBANE
 DATE _____
 ILL. REG. P.E. NO. 062-048333
 EXPIRES 11-30-07

SHEET NO. 4 of 23
 FILE # 226-0051-111-SECTION
 DRAWN BY DLK
 FIELD CHECK DLK
 APPROVED BY _____

PROJECT GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 EXISTING TYPICAL SECTION
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:	BY
DATE	
AS BUILT	BY

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430



GARFIELD AVENUE
 STATION 2+42 TO STATION 54+30
 EXISTING TYPICAL SECTION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	9
STA. 16+00		TO STA. 21+00		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44)		
CONTRACT No. 83838				

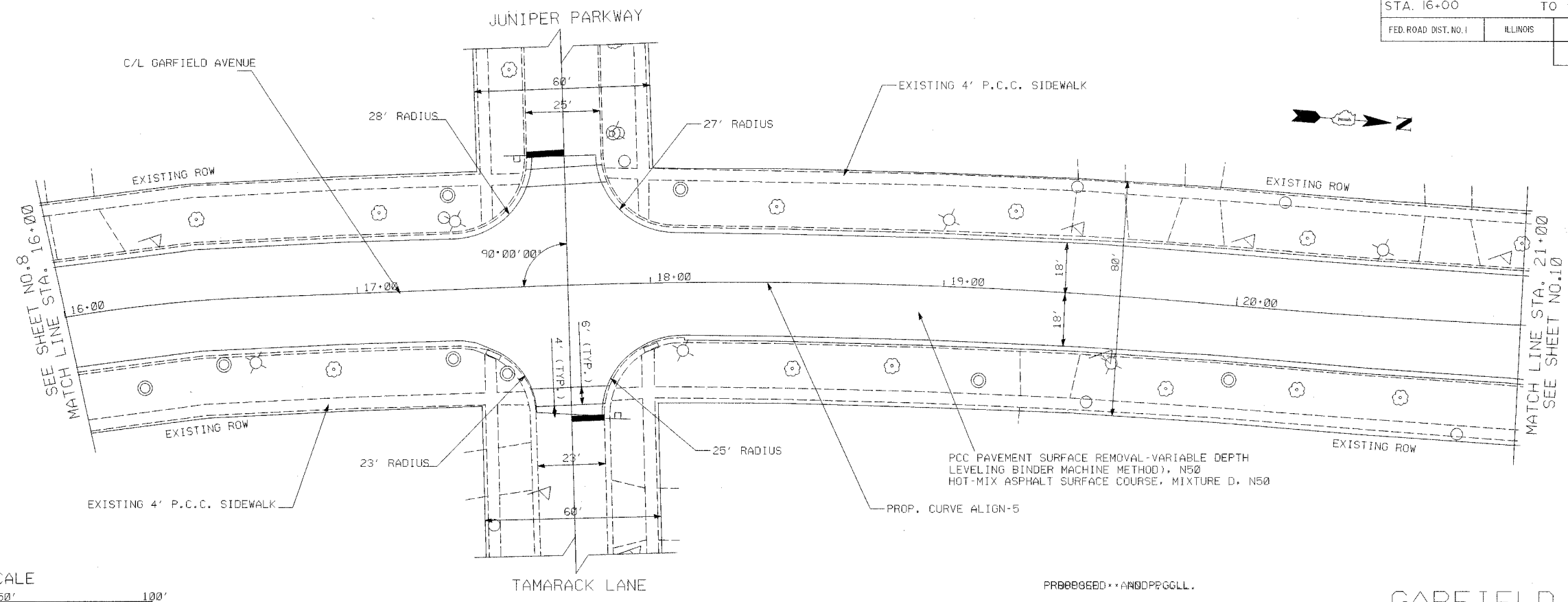
NAME DENNIS L. KILBANE
 DATE
 ILL. REG. P.E. NO. 062-046333
 EXPIRES 11-30-07

FILE 3320-PROP-08N
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 FIELD CHECK DLK
 APPROVED BY

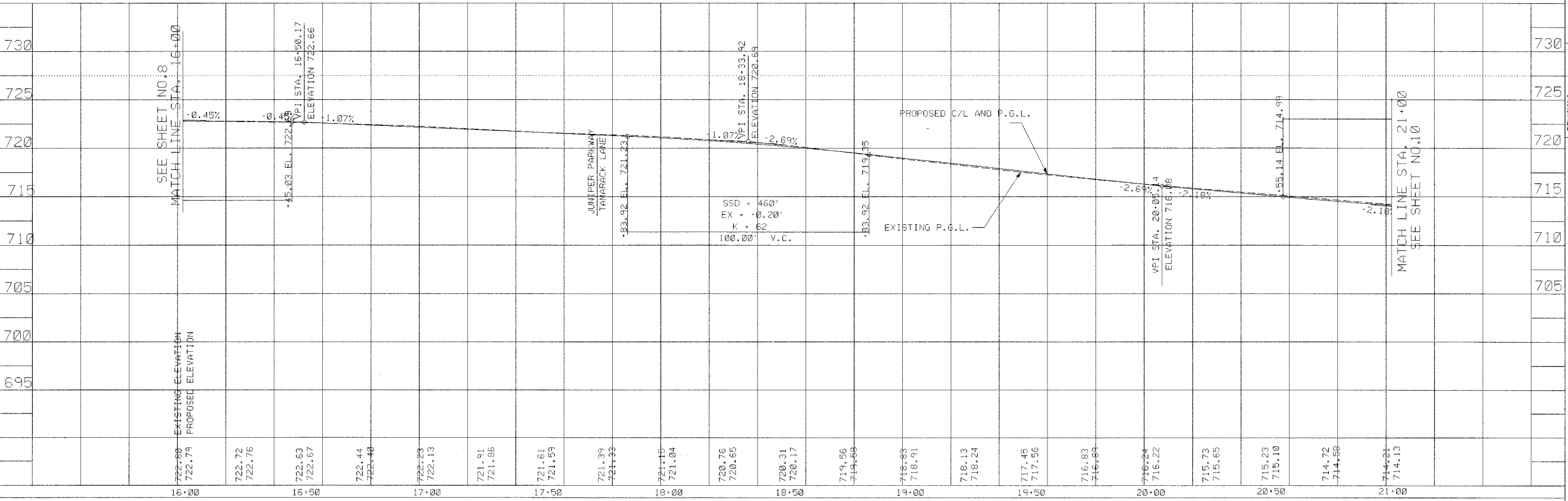
PROJECT GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 STA. 16+00 TO STA. 21+00
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:	DATE	BY

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430



PROP. CURVE ALIGN-5
 P.I. STA. = 18+71.65
 I = 7° 23' 45" (RT)
 D = 3' 16" 27"
 R = 1,750.00'
 T = 113.10'
 L = 225.89'
 E = 3.65'
 P.C. STA = 17+58.54
 P.T. STA = 19+84.44



STATION	EXISTING ELEVATION	PROPOSED ELEVATION
16+00	722.79	722.79
16+25	722.72	722.76
16+50	722.63	722.67
16+75	722.44	722.40
17+00	722.23	722.13
17+25	721.91	721.86
17+50	721.61	721.59
17+75	721.39	721.33
18+00	721.15	721.04
18+25	720.76	720.65
18+50	720.31	720.17
18+75	719.56	719.58
19+00	718.83	718.91
19+25	718.13	718.24
19+50	717.45	717.56
19+75	716.83	716.89
20+00	716.24	716.22
20+25	715.73	715.65
20+50	715.23	715.10
20+75	714.72	714.58
21+00	714.21	714.13

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	II
STA. 26+50		TO STA. 32+50		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (441)		
CONTRACT NO. 83838				

NAME: DENNIS L. KILBANE
 DATE: _____
 ILL. REG. P.E. NO. 062-048333
 EXPIRES: 11-30-07

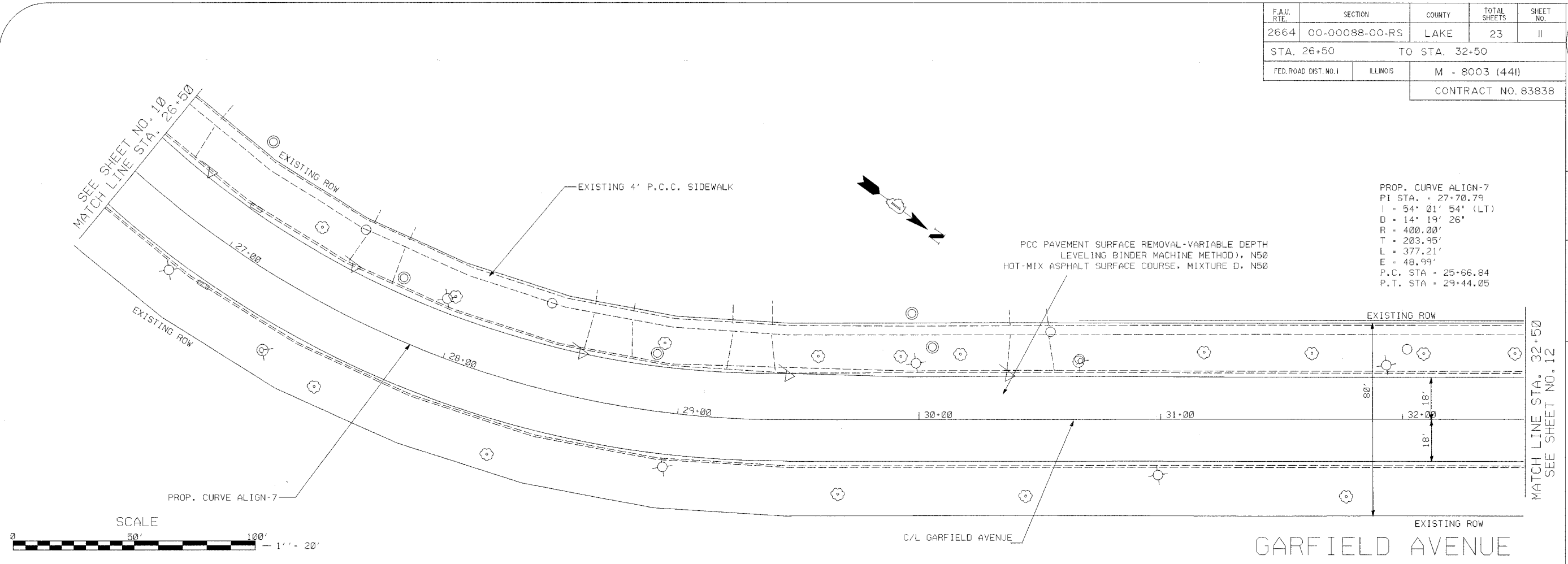
SHEET NO. 11 of 23

FILE: 3320-RP05.DGN
 DRAWN BY: DLK
 FIELD CHECK: DLK
 APPROVED BY: _____

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 STA. 26+50 TO STA. 32+50
 PROJECT NO. 0503
 DATE OF ISSUE: 10/15/06

REVISIONS:
 BY: _____
 DATE: _____
 AS BUILT BY: _____

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
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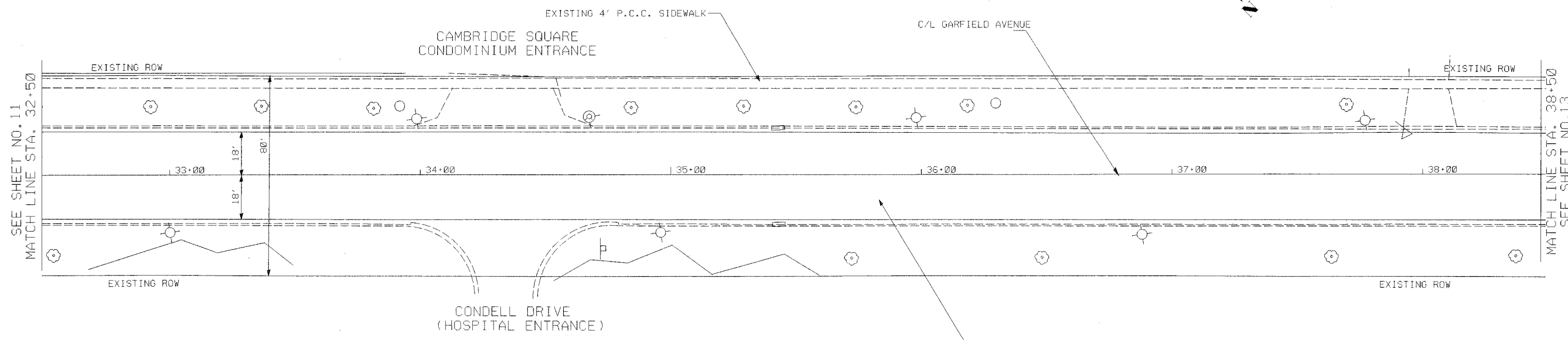


STATION	EXISTING ELEVATION	PROPOSED ELEVATION
26+50	714.61	714.77
	715.02	715.03
27+00	715.25	715.29
	715.54	715.55
27+50	715.64	715.80
	716.08	716.06
28+00	716.33	716.32
	716.55	716.57
28+50	716.80	716.83
	717.07	717.09
29+00	717.35	717.35
	717.60	717.60
29+50	717.67	717.86
	718.08	718.12
30+00	718.27	718.37
	718.38	718.52
30+50	718.45	718.54
	718.31	718.44
31+00	718.16	718.22
	717.95	717.97
31+50	717.74	717.72
	717.51	717.47
32+00	717.27	717.22
	716.98	716.97
32+50	716.70	716.72

EXISTING P.G.L.
 PROPOSED C/L AND P.G.L.
 PI STA. 30
 ELEVATION 7
 SSD = 377'
 EX = -0.25'
 K = 49
 100.00' V.C.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	12
STA. 32+50		TO STA. 38+50		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44)		
CONTRACT No. 83838				

NAME DENNIS L. KILBANE
 DATE _____
 ILL. REG. P.E. NO. 062-045933
 EXPIRES 11-30-07



PCC PAVEMENT SURFACE REMOVAL-VARIABLE DEPTH LEVELING BINDER MACHINE METHOD), N50 HOT-MIX ASPHALT SURFACE COURSE, MIXTURE D, N50



GARFIELD AVENUE

EXISTING ELEVATION	PROPOSED ELEVATION	STATION
716.70	716.72	32+50
716.47	716.47	33+00
716.25	716.22	33+50
716.04	715.97	34+00
715.82	715.71	34+50
715.56	715.46	35+00
715.29	715.21	35+50
715.01	714.96	36+00
714.74	714.71	36+50
714.49	714.46	37+00
714.24	714.21	37+50
714.01	713.96	38+00
713.76	713.71	38+50
713.49	713.46	39+00
713.22	713.21	39+50
712.96	712.96	40+00
712.70	712.71	40+50
712.47	712.46	41+00
712.22	712.21	41+50
711.96	711.96	42+00
711.71	711.71	42+50
711.49	711.46	43+00
711.26	711.21	43+50
711.00	710.96	44+00
710.71	710.64	44+50

SEE SHEET NO. 11
MATCH LINE STA. 32+50

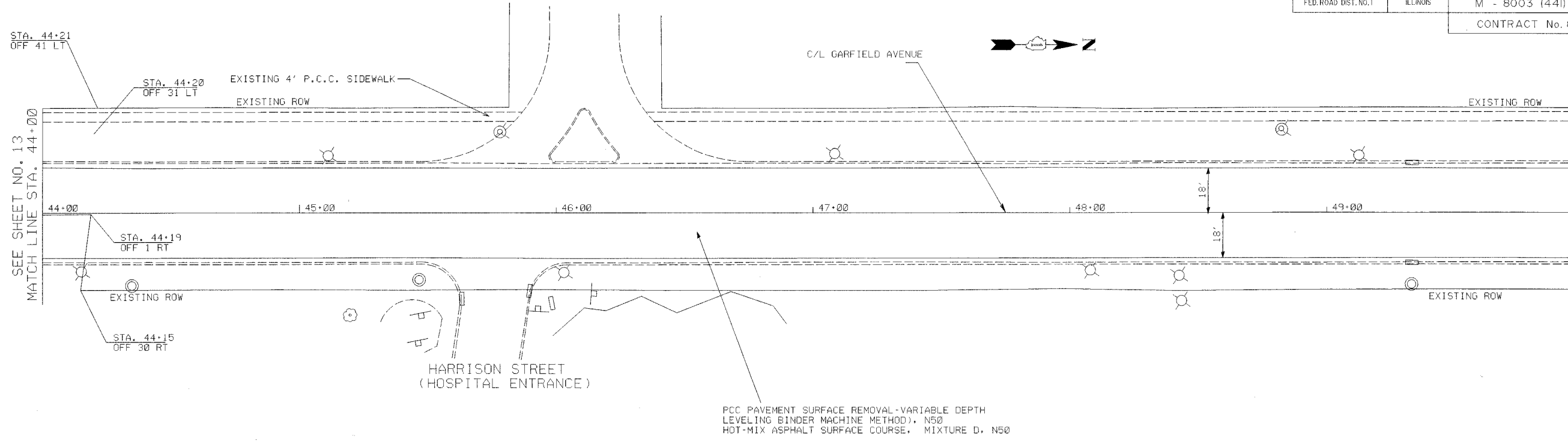
MP1 STA. 38+37.48
ELEVATION 710.83

MATCH LINE STA. 38+50
SEE SHEET NO. 13

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430

PROJECT GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 STA. 32+50 TO STA. 38+50
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06
 AS BUILT BY _____
 REVISIONS: _____
 DATE _____
 FILE 3220-PPR0720M
 DRAWN BY _____ DLK
 FIELD CHECK _____ DLK
 APPROVED BY _____
 SHEET NO. 12 of 23

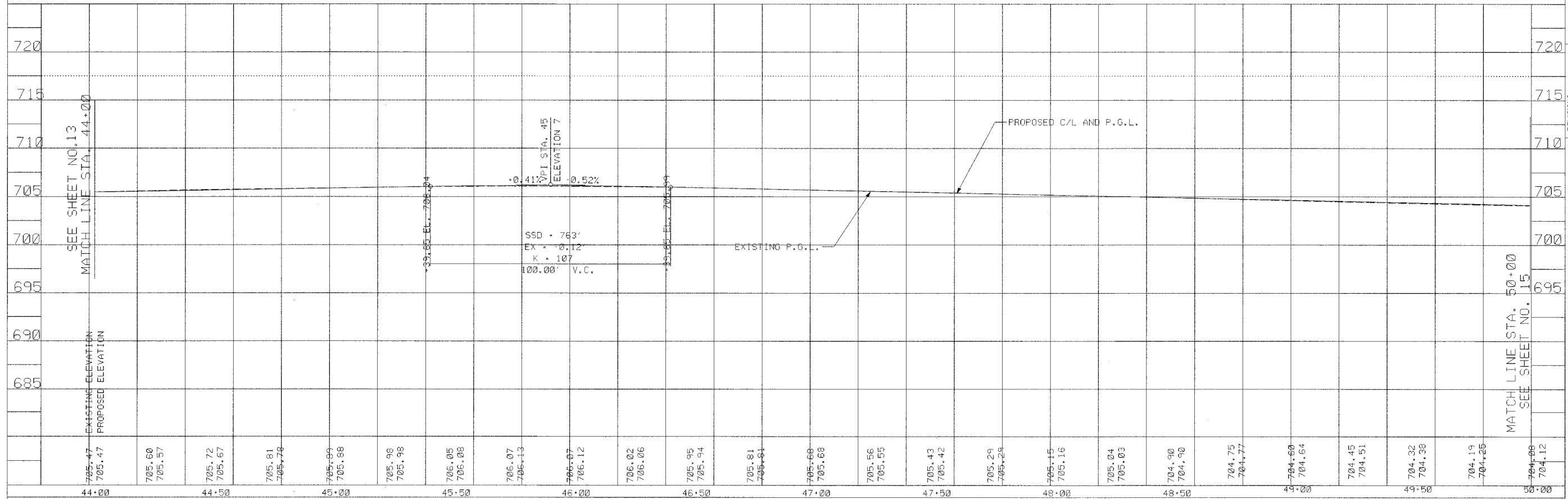
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	14
STA. 44+00		TO STA. 50+00		
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (441)		
CONTRACT No. 83838				



PCC PAVEMENT SURFACE REMOVAL-VARIABLE DEPTH
 LEVELING BINDER MACHINE METHOD, N50
 HOT-MIX ASPHALT SURFACE COURSE, MIXTURE D, N50



GARFIELD AVENUE



SEE SHEET NO. 13
 MATCH LINE STA. 44+00

MATCH LINE STA. 50+00
 SEE SHEET NO. 15

NAME: DENNIS L. KILBANE	DATE: _____
ILL. REG. P.E. NO. 062-045333	EXPIRES: 11-30-07
FILE: 3320-PNP09200N	SHEET NO. 14 of 23
DRAWN BY: DLK	APPROVED BY: _____
FIELD CHECK: DLK	
PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION	
GREEN TREE PARKWAY TO W. ROCKLAND ROAD	
STA. 44+00 TO STA. 50+00	
PROJECT NO. 0503	DATE OF ISSUE 10/13/06
AS BUILT BY: _____	REVISIONS: _____
VILLAGE OF LIBERTYVILLE 118 West Cook Avenue Libertyville, Illinois 60048 (847) 362-2430	

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	16
STA. 2+42	TO STA. 10+50			
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44I)		
CONTRACT NO.: 83838				

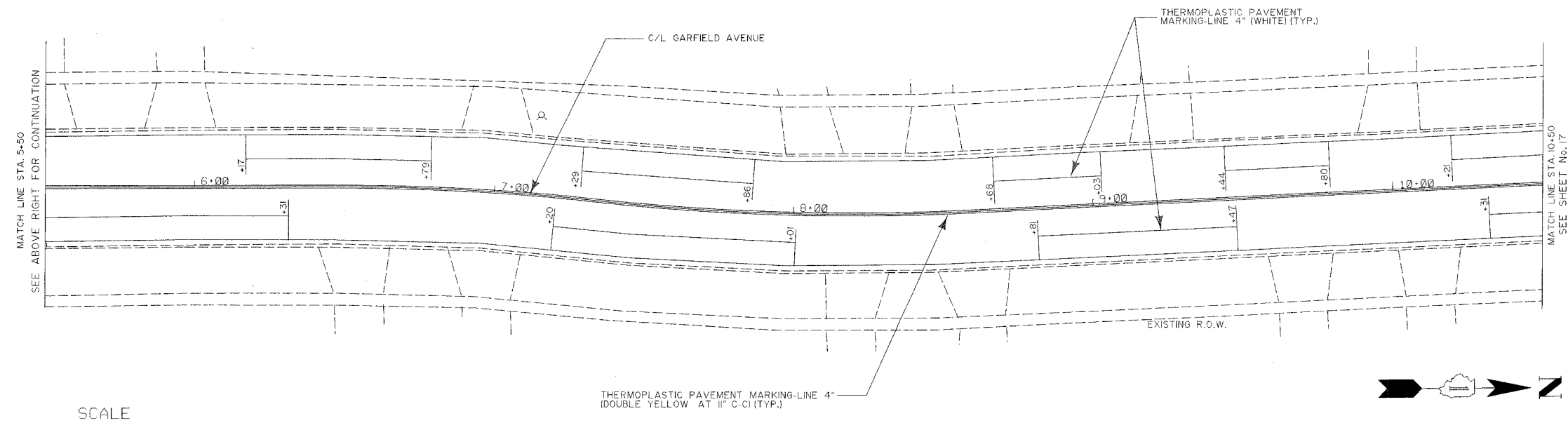
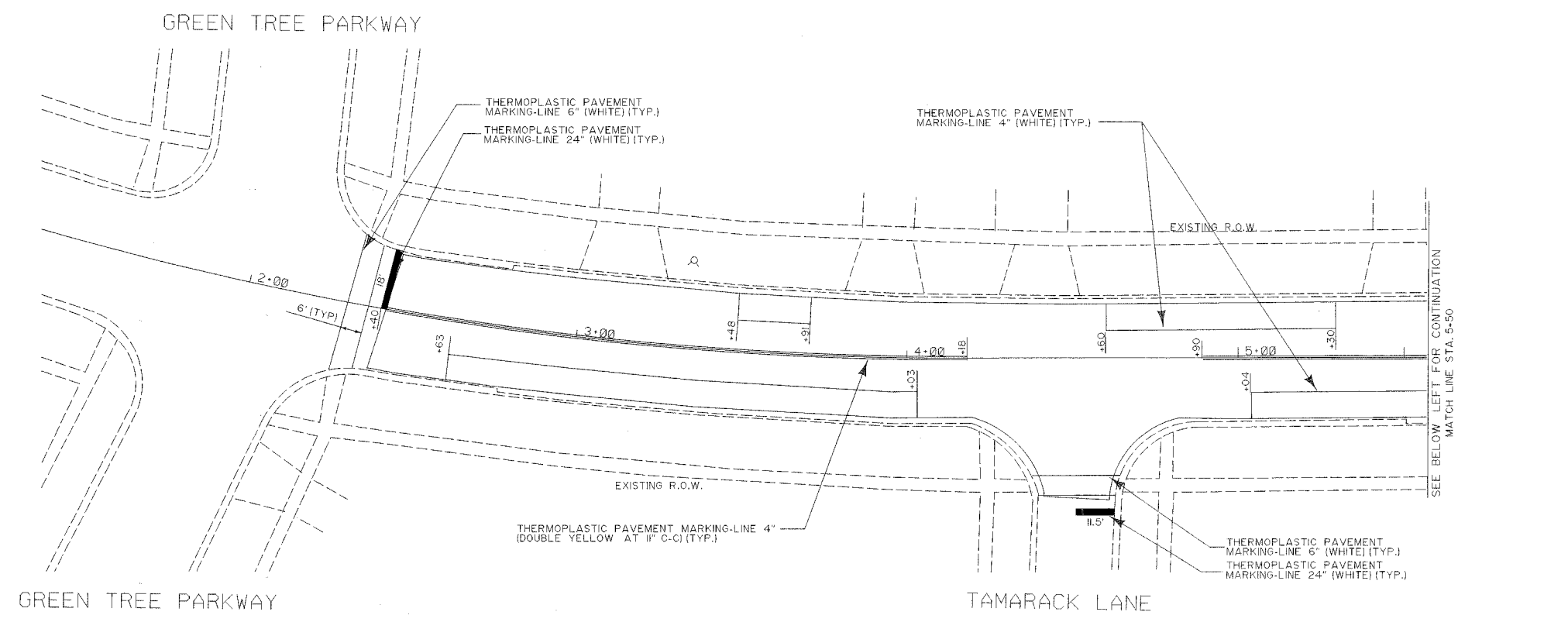
MAYE DENNIS, L. KILBANE
 DATE _____
 ILL. REG. P.E. NO. 062-045333
 EXPIRES 11-30-07

SHEET NO. **16** of **23**
 FILE 0503/PLANS/SHETS.DGN
 DRAWN BY DLK
 FIELD CHECK DLK
 APPROVED BY _____

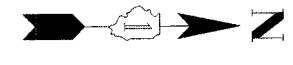
PROJECT GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 PROPOSED PAVEMENT MARKING PLAN
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:
 DATE 01/10/06 BY DLK
 AS BUILT BY _____

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430



GARFIELD AVENUE



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	17
STA. 10+50	TO STA. 21+00			
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44)		CONTRACT NO.: 83838

NAME: DENNIS L. KILBANE
 DATE: _____
 ILL. REG. P.E. NO.: 062-045333
 EXPIRES: 11-30-07

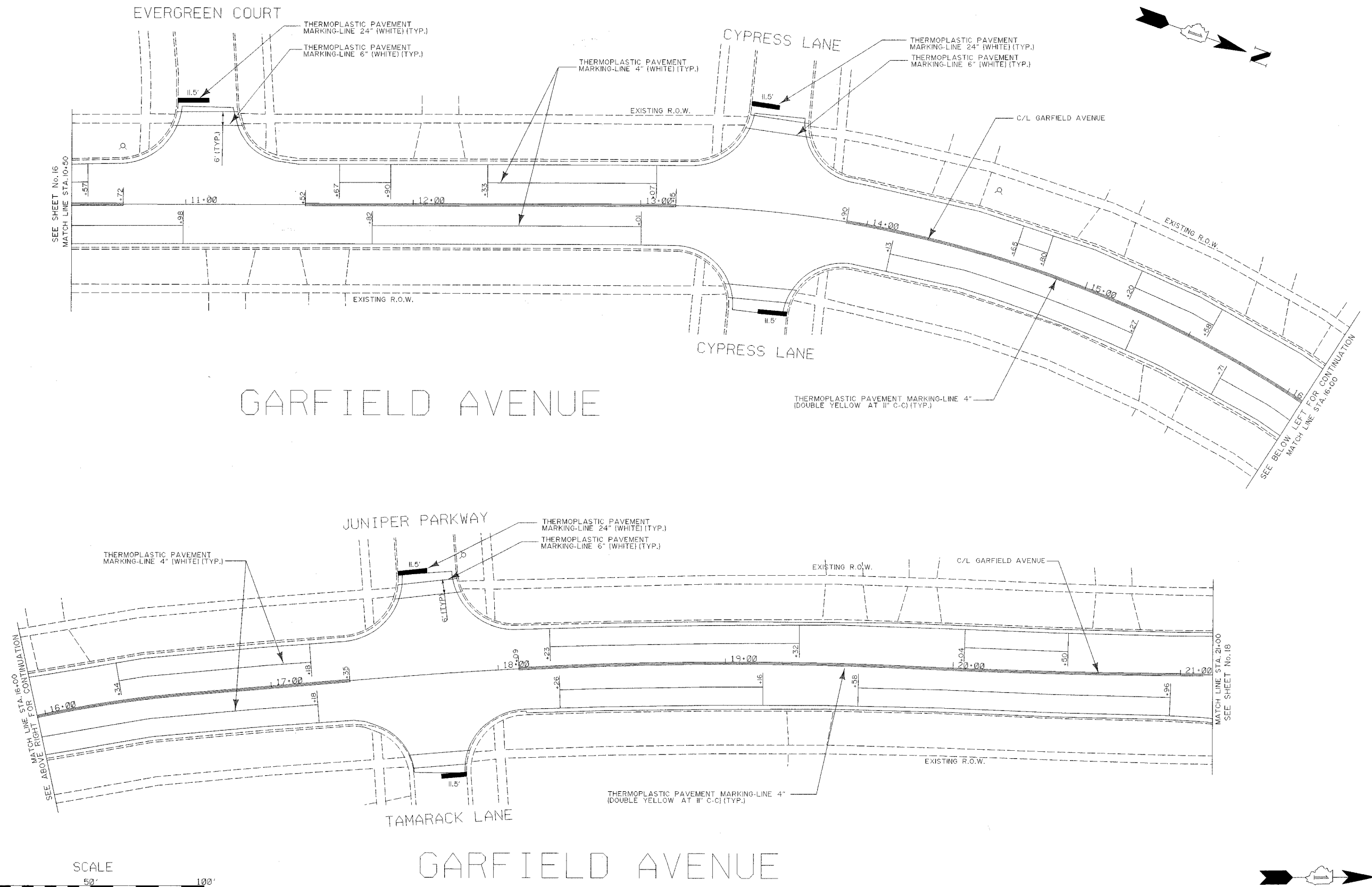
SHEET NO. 17 of 23

FILE: 0503/PLANS/REHETS/D00M
 DRAWN BY: DLK
 FIELD CHECK: DLK
 APPROVED BY: _____

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 PROPOSED PAVEMENT MARKING PLAN
 PROJECT NO.: 0503
 DATE OF ISSUE: 10/13/06

REVISIONS:
 BY: DLK
 DATE: 01/10/06
 AS BUILT: _____
 BY: _____

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430



FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	18
STA. 21+00	TO STA. 32+50			
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (441)		CONTRACT NO.: 83838

NAME: DENNIS L. KILBANE
 DATE: _____
 ILL. REG. P.E. NO.: 062-046333
 EXPIRES: 11-30-07

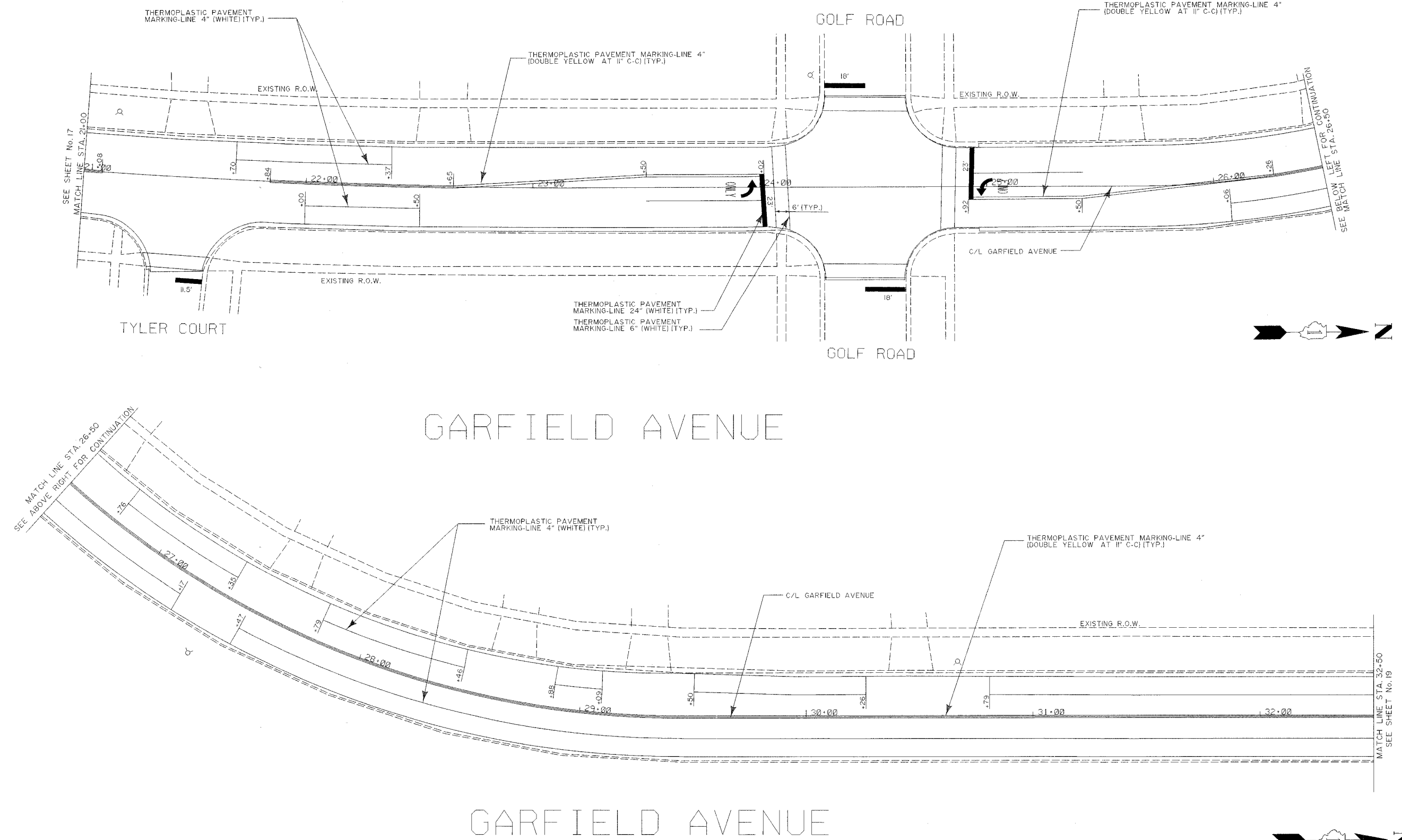
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FILE: 0503/PLAN/REH/5/06
 DRAWN BY: DLK
 FIELD CHECK: DLK
 APPROVED BY: _____

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 PROPOSED PAVEMENT MARKING PLAN
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:	BY:	DATE:
	DLK	01/10/06
AS BUILT:	BY:	

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430



F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	19
STA. 32+50	TO STA. 44+00			
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44I)		
CONTRACT NO.: 83838				

NAME DENNIS L. KILBANE
 DATE _____
 ILL. REG. P.E. NO. 082-046533
 EXPIRES 11-30-07

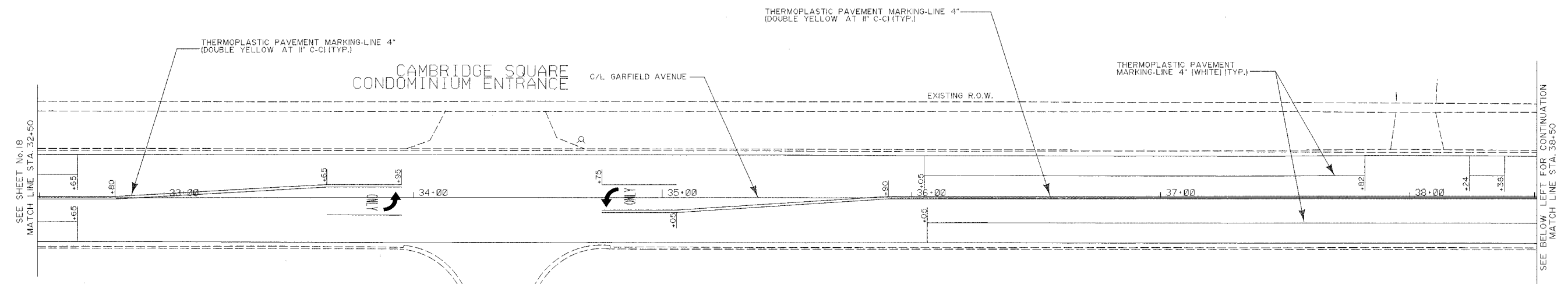
SHEET NO. **19** of **23**

FILE 0503/PLAN/REVISION
 DRAWN BY DLK
 FIELD CHECK DLK
 APPROVED BY _____

PROJECT GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 PROPOSED PAVEMENT MARKING PLAN
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

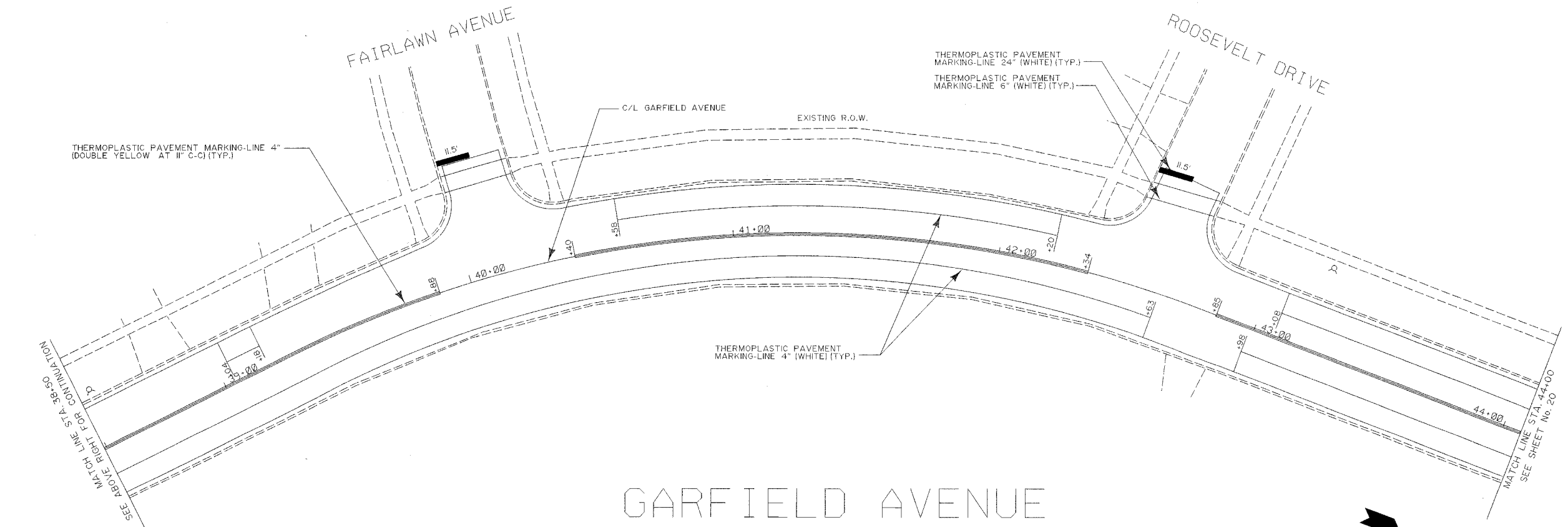
REVISIONS:
 DATE 01/10/06 BY DLK
 AS BUILT BY _____

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430

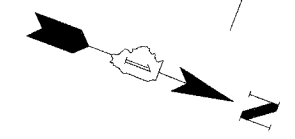


CONDOLL DRIVE (HOSPITAL ENTRANCE)

GARFIELD AVENUE



GARFIELD AVENUE



SEE SHEET No. 18
 MATCH LINE STA. 32+50

SEE BELOW LEFT FOR CONTINUATION
 MATCH LINE STA. 38+50

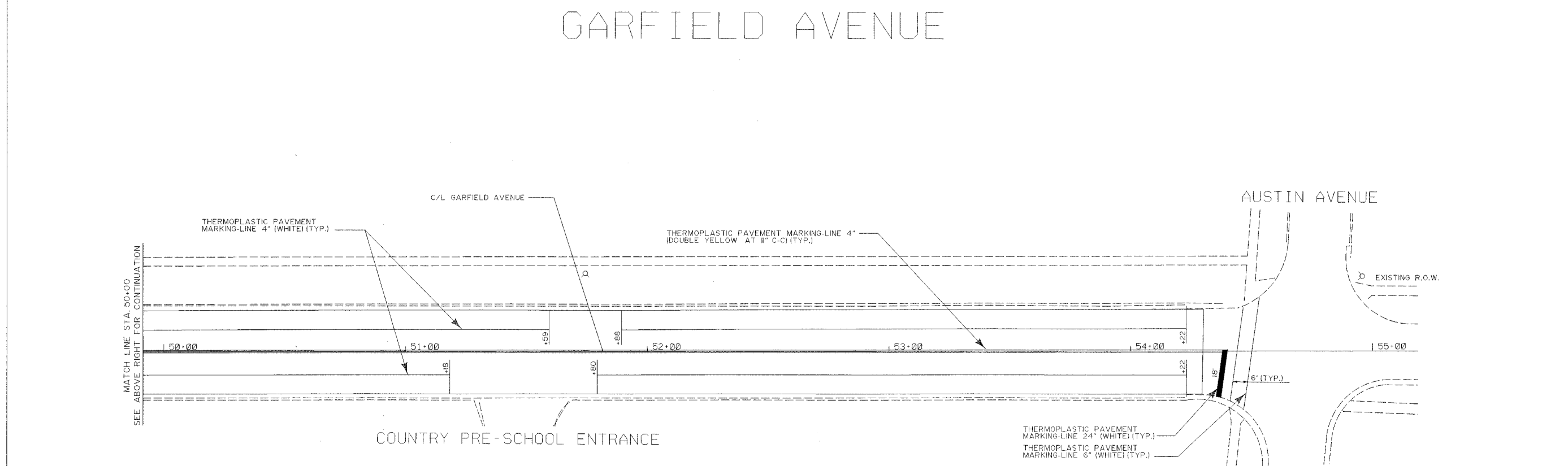
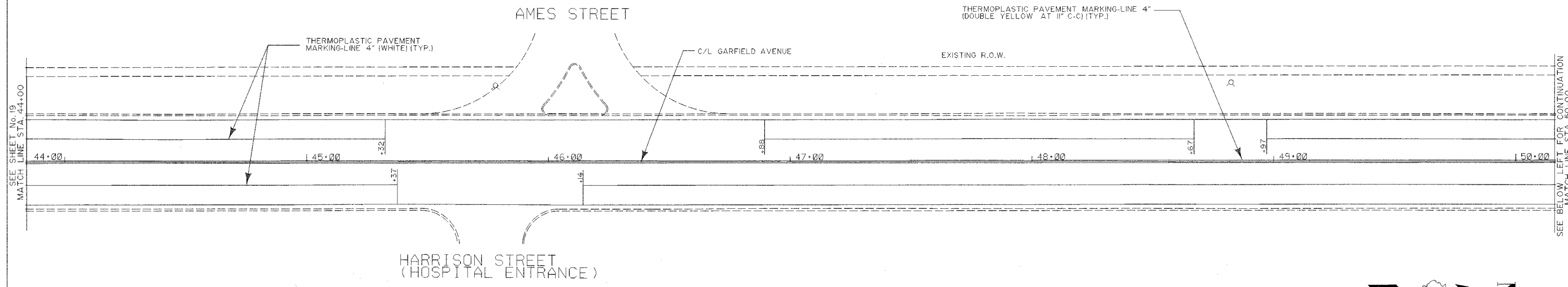
SEE ABOVE RIGHT FOR CONTINUATION
 MATCH LINE STA. 38+50

MATCH LINE STA. 44+00
 SEE SHEET No. 20



F.A.M. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	20
STA. 44+00	TO STA. 54+30			
FED. ROAD DIST. NO. 1	ILLINOIS	M - 8003 (44II)		CONTRACT NO.: 83838

NAME DENNIS L. KILBANE
 DATE _____
 ILL. REG. P.E. NO. 062-045333
 EXPIRES 11-30-07



SHEET NO. 20 of 23

PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 PROPOSED PAVEMENT MARKING PLAN
 PROJECT NO. 0503 DATE OF ISSUE 10/13/06

REVISIONS:
 DATE 01/10/06 BY DLK
 AS BUILT BY

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430

TRAFFIC CONTROL GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS, ANY SPECIAL DETAILS AND HIGHWAY STANDARDS CONTAINED IN THE PLANS, THE TRAFFIC SPECIFICATIONS AND THE SPECIAL PROVISIONS CONTAINED HEREIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
- TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER. 72 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND VILLAGE OF LIBERTYVILLE.
- THE ENGINEER AND VILLAGE OF LIBERTYVILLE SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGES IN CONSTRUCTION STAGING.
- APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE TRAFFIC CONTROL DEVICES.
- IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE 1 OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.
- TYPE II BARRICADES, 2 FEET IN WIDTH, SHALL BE UTILIZED DURING ALL STAGES OF TRAFFIC CONTROL.
- THE CONTRACTOR SHALL INSTALL SHORT-TERM PAVEMENT MARKING AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN 24 HOUR ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
- ACCESS FOR LOCAL TRAFFIC SHALL BE MAINTAINED ALONG GARFIELD AVENUE DURING ALL STAGES OF CONSTRUCTION. TYPE II BARRICADES SHALL BE PLACED ACROSS INTERSECTING SIDE STREETS AND COMMERCIAL ENTRANCES DURING ROAD CLOSURE TO PREVENT ACCESS BY NON-LOCAL TRAFFIC.
- SIDEWALK ACCESS SHALL BE MAINTAINED ON ONE SIDE OF THE STREET AT ALL TIMES. CLOSED SIDEWALKS AND CROSSWALKS SHALL BE APPROPRIATELY BARRICADED. USE STANDARD 701801-03.
- ALL EXISTING SIGNING WHICH IS NOT APPLICABLE WHILE CONSTRUCTION IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.

DETOUR PLAN GENERAL NOTES

TEMPORARY TRAFFIC CONTROL SIGNS FOR DETOUR ROUTES MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE ENGINEER, 48 HOURS NOTICE MUST BE GIVEN TO THE ENGINEER AND THE VILLAGE OF LIBERTYVILLE.

ALL DETOUR SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET WITH THE APPROVAL OF THE ENGINEER REGARDING LOCATION, TYPE, SIZE, NUMBER AND DURATION.

FOR TYPICAL SIGN INSTALLATIONS, SEE IDOT HIGHWAY STANDARDS.

IF FOR ANY REASON WORK MUST BE PERFORMED AT NIGHT, TYPE 1 OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS ARE TO BE USED.

APPROPRIATE IDOT TRAFFIC CONTROL STANDARDS SHALL BE USED TO INSTALL AND REMOVE DETOUR SIGNS.

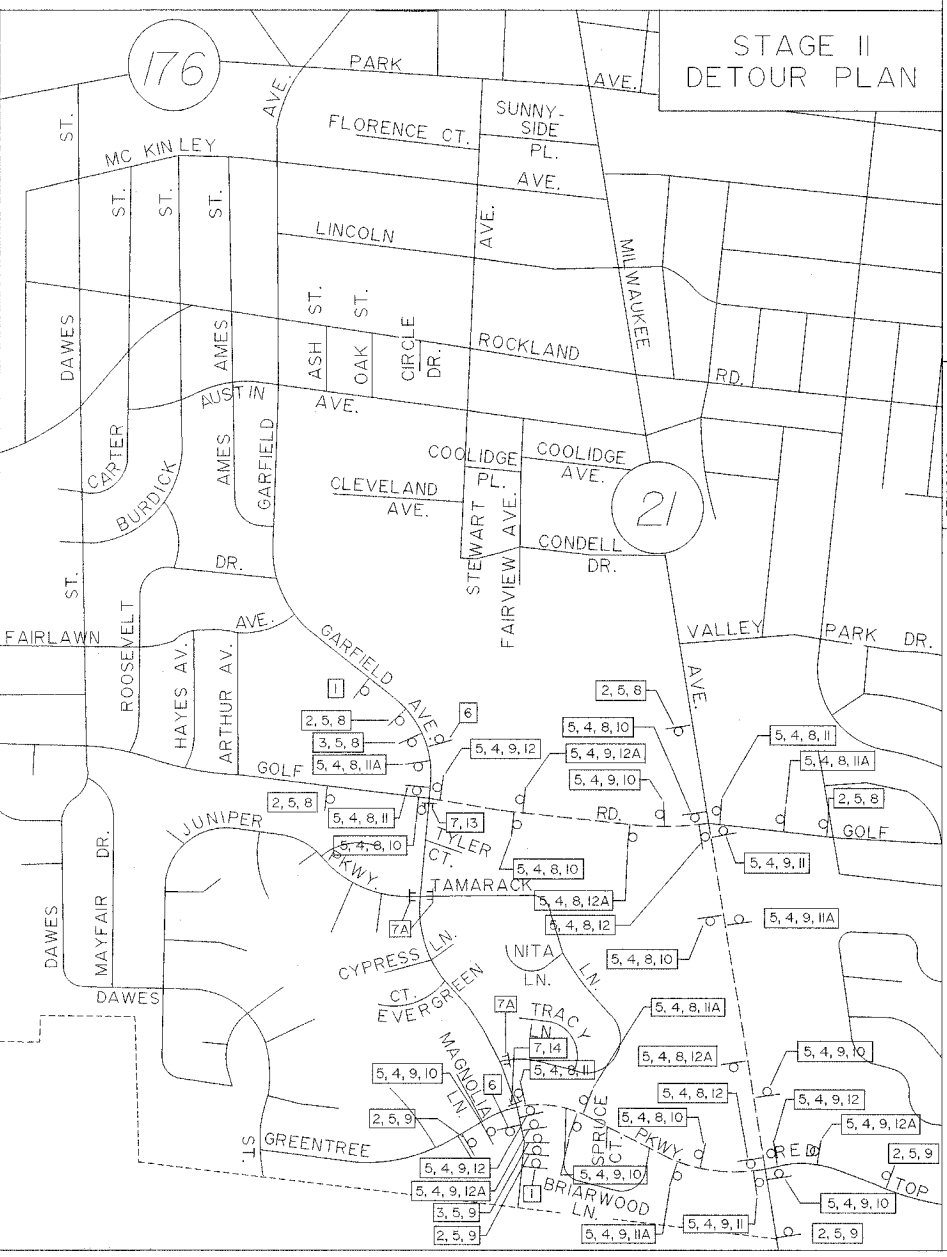
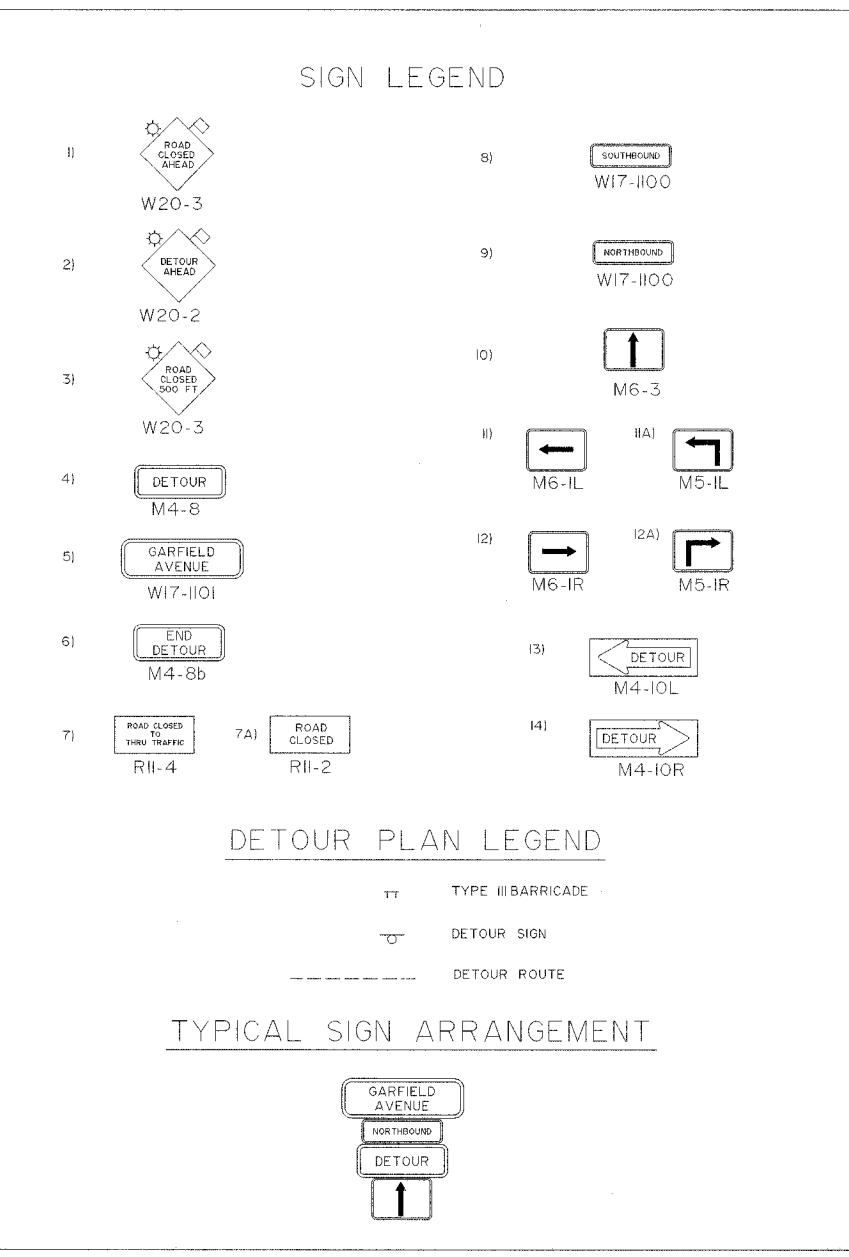
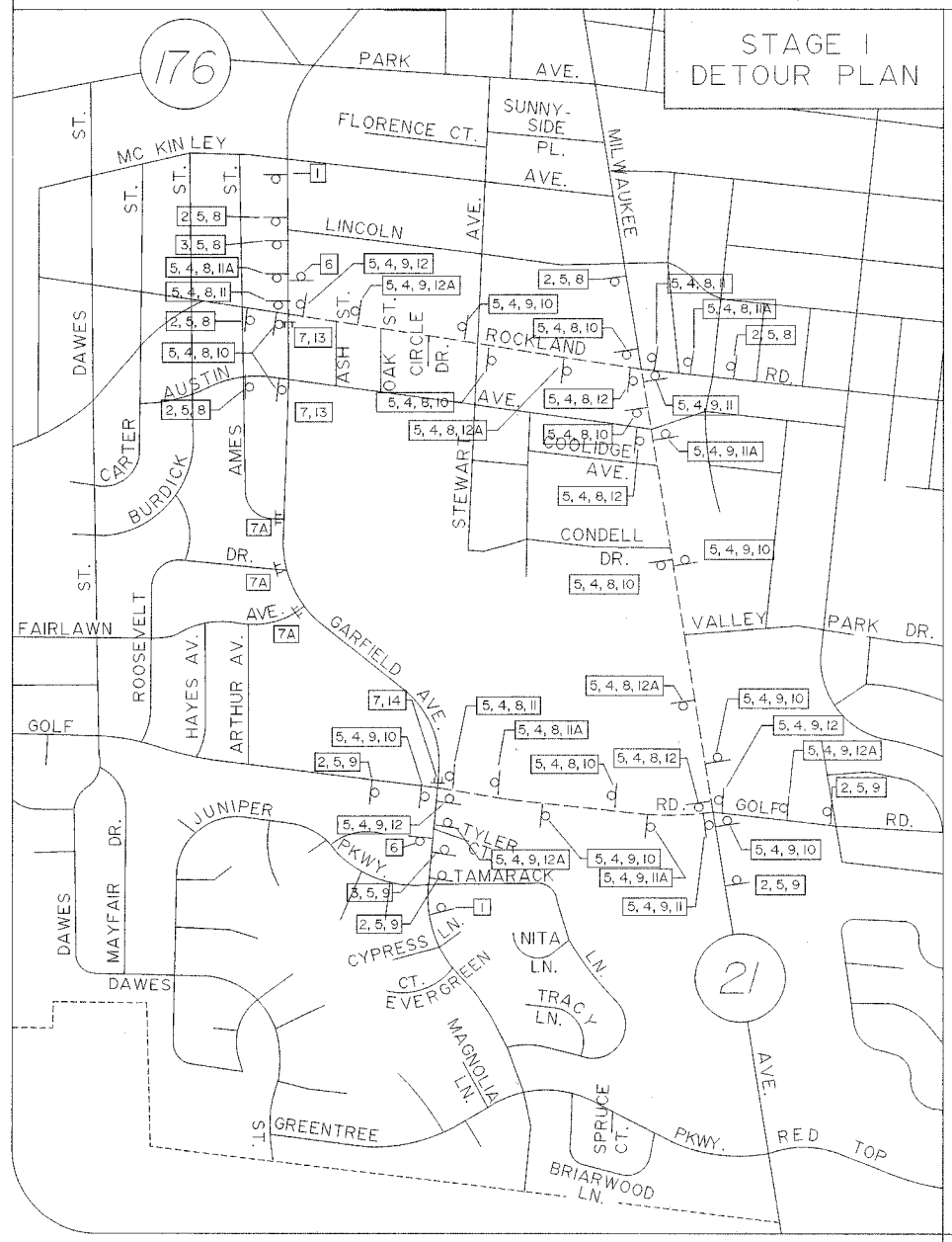
FLAGS ON WARNING SIGNS ARE OPTIONAL.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2664	00-00088-00-RS	LAKE	23	21
STA. _____ TO STA. _____		FED. ROAD DIST. NO. 1 ILLINOIS M - 8003 (441)		
		CONTRACT NO.: 83838		

NAME: DENNIS L. KILBANE
 DATE: _____
 ILL. REG. P.E. NO.: 065-045333
 EXPIRES: 11-30-07

SHEET NO. 21 of 23

FILE: 05532/PLAN/SHETS/DRGN
 DRAWN BY: _____
 FIELD CHECK: _____
 APPROVED BY: _____



PROJECT: GARFIELD AVENUE PAVEMENT REHABILITATION
 GREEN TREE PARKWAY TO W. ROCKLAND ROAD
 TRAFFIC CONTROL PLAN AND DETOUR PLAN

REVISIONS: _____
 DATE: _____
 AS BUILT BY: _____

PROJECT NO. 0503 DATE OF ISSUE 01/13/06

VILLAGE OF LIBERTYVILLE
 118 West Cook Avenue
 Libertyville, Illinois 60048
 (847) 362-2430

NAME DENNIS L. KILBANE
DATE
FILE 0003/PLANS/SHEETS/BOOK
DRAWN BY D.L.K.
FIELD CHECK D.L.K.
APPROVED BY
NO. 062-049333
EXPIRES 11-30-07

SHEET NO. 22 of 23

PROJECT GARBFIELD AVENUE PAYMENT REHABILITATION
GREEN TREE PARKWAY TO W. ROCKLAND ROAD
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

REVISIONS:
DATE BY
AS BUILT BY

PROJECT NO. 0503 DATE OF ISSUE 07/13/06

VILLAGE OF LIBERTYVILLE
118 West Cook Avenue
Libertyville, Illinois 60048
(847) 362-2430

TYPICAL LANE AND EDGE LINE MARKING

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL CROSSWALK MARKING

TYPICAL TURN LANE MARKING

TYPICAL PAINTED MEDIAN MARKING

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	WHITE	600 (21) LINE WITH 18 m (60') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE FULL SIZE LETTERS & SYMBOLS (2.4 m (8")	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN & BICYCLE) (LONGITUDINAL BARS (SCHOOL))	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (21) APART 600 (21) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.8 m (6') IN ADVANCE OF AND PARALLEL TO CROSSWALK. IF PRESENT OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSWALK CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
EDGE MARKING AND CHANNELIZING LINES	200 (8) WITH 500 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES "R" 15 L8 m (48') LETTERS 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD T8000L AREA (F) "X"=5.0 m (16.4) SO. FT.) EACH "R"=5.0 m (16.4) SO. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 1997 AND STATE STANDARD T8000L

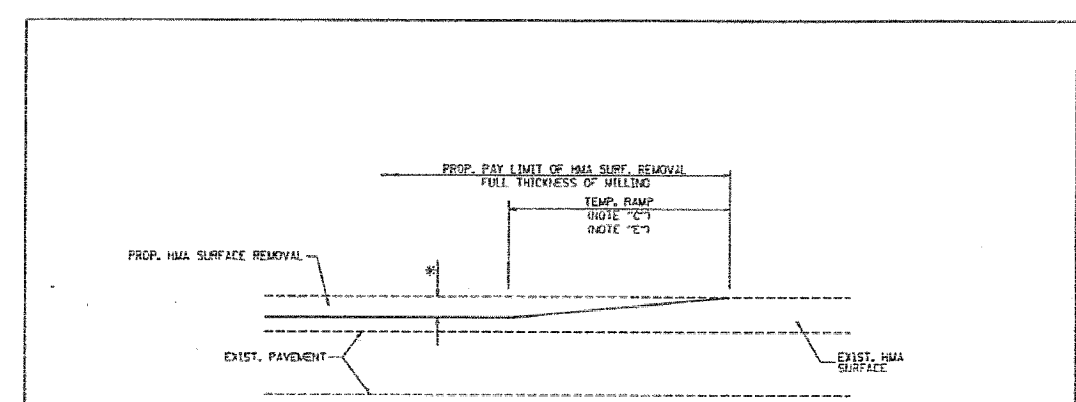
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ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

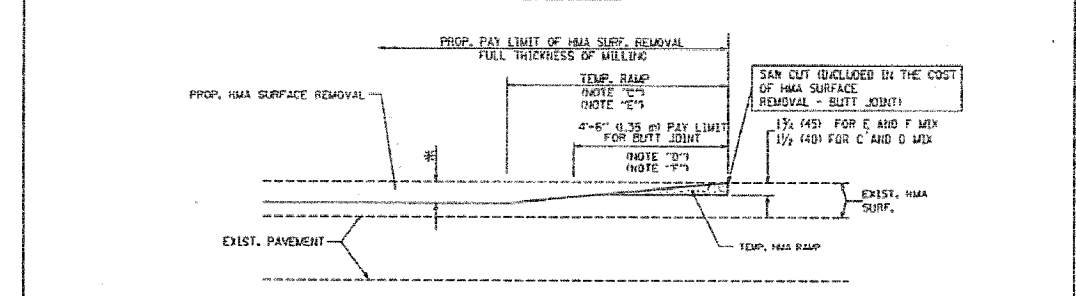
REVISIONS	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSE	10-09-96
T. RAMMACHER	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE
DATE: 10/11/01
DRAWN BY: CADD
CHECKED BY:
TC-13

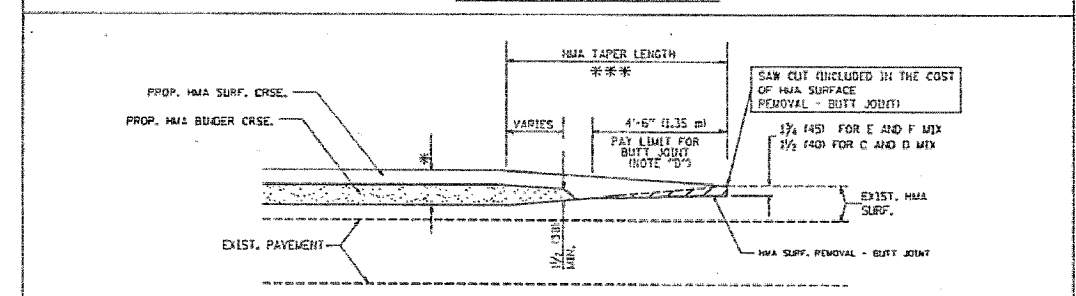
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V1:123



MILLED TEMPORARY RAMP
 (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)
OPTION 1

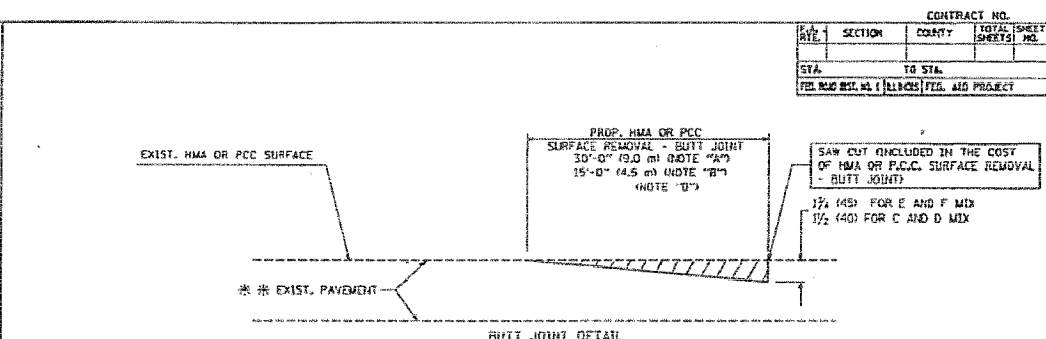


HMA CONSTRUCTED TEMPORARY RAMP
 (FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)
OPTION 2
TYPICAL TEMPORARY RAMP

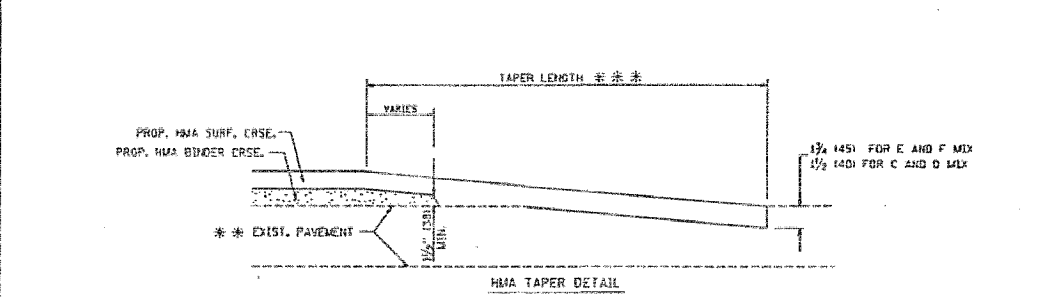


TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

NOT DATE - 11/2/06
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



BUTT JOINT DETAIL



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAJOR, B: ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- ** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:
 THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	DATE
1. DE. TONG	6-13-00
2. DE. TONG	7-3-02
3. DE. TONG	3-21-03
4. SHAM	09/09/04
5. SHAM	03/29/04
6. SHAM	03/21/05
7. SHAM	04/08/05
8. SORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUTT JOINT AND HMA TAPER DETAILS
 SCALE: VERT. 1"=4'-0" HORIZ. 1"=20'-0"
 DRAWN BY _____
 CHECKED BY _____
 PLOT DATE 10/31/2006
 REVISION DATE 10/13/06