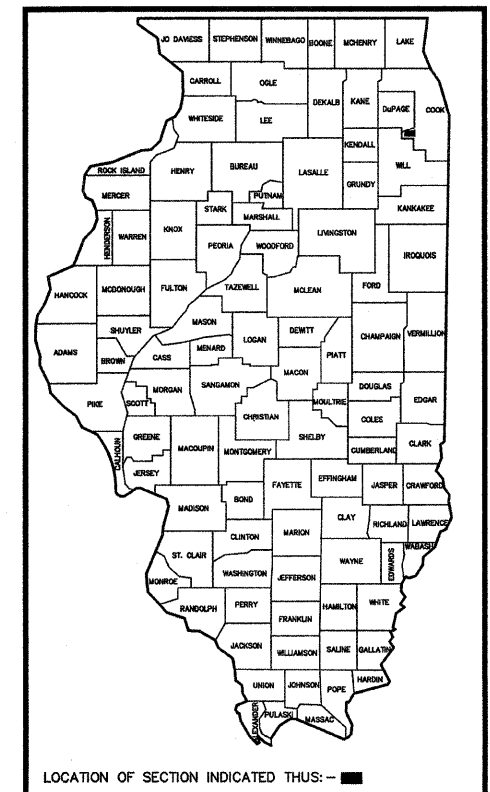


FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	1
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

CONTRACT NO. 63136

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

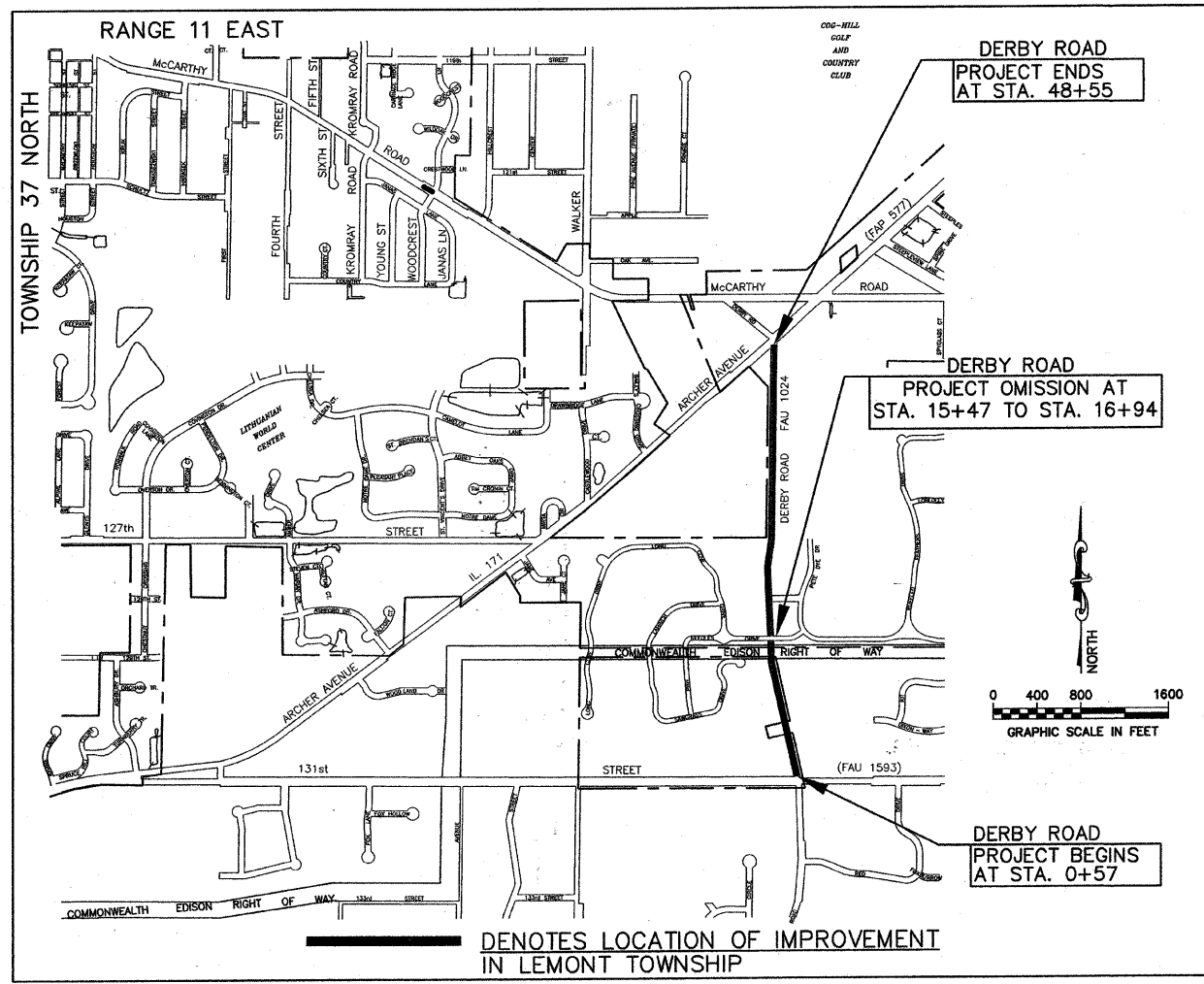
DERBY ROAD (FAU ROUTE 1024)
FROM 131ST ST. (FAU 1593) TO ARCHER AVE. (FAP 577)
LAPP RESURFACING
FEDERAL PROJECT M-8003 (975)
SECTION NO. 08-00040-00-RS
VILLAGE OF LEMONT
COOK COUNTY
JOB NO. C-91-353-08



- INDEX TO SHEETS**
- 1.) COVER SHEET, INDEX OF SHEETS, LOCATION MAP, INDEX OF STATE STANDARDS
 - 2.) CONSTRUCTION NOTES, SUMMARY OF QUANTITIES
 - 3.) TYPICAL CROSS SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENT, TYPICAL DRIVEWAY DETAIL
 - 4.) PLAN: DERBY RD. - 131ST ST. TO STA. 22+00
 - 5.) PLAN: DERBY RD. - STA. 22+00 TO ARCHER AVENUE
 - 6.) STRIPING PLAN: DERBY RD. - 131ST ST. TO STA. 22+00
 - 7.) STRIPING PLAN: DERBY RD. - STA. 22+00 TO ARCHER AVENUE
 - 8.) DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 - 9.) PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
 - 10.) TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS
 - 11.) SIGNING FOR FLAGGING OPERATION AT WORK ZONE OPENINGS
 - 12.) BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS

STATE STANDARDS

- 000001-05 STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701301-03 LANE CLOSURE, 2 L, 2 W, SHORT TIME OPERATIONS
- 701501-05 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



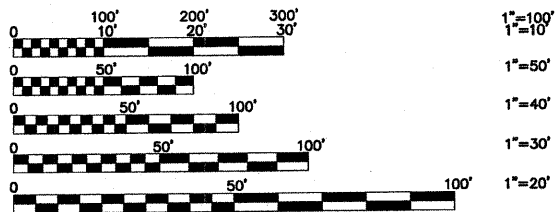
DENOTES LOCATION OF IMPROVEMENT
IN LEMONT TOWNSHIP

LOCATION MAP

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT	4798 FEET (0.9087 MILES)
PROJECT OMISSION	147 FEET (0.0278 MILES)
NET LENGTH OF PROJECT	4651 FEET (0.8809 MILES)

FIELD ENGINEER: MELCHOR MANGOBA (847)705-4408
CONSULTANT: FRANK NOVOTNY AND ASSOCIATES, INC. (630)887-8640



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.

CONTRACT NO. 63136

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	1-16-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW
3	THK	2-05-09	PER I.D.O.T. REVIEW

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: February 5 20 09

VILLAGE PRESIDENT: [Signature]

PASSED: FEBRUARY 13, 2009
[Signature]
DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS

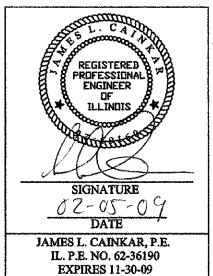
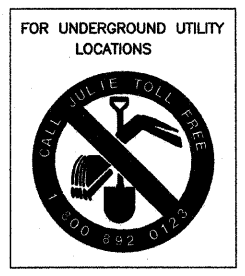
RELEASING FOR BID
BASED ON LIMITED
REVIEW: FEBRUARY 13, 2009
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

PROJECT LOCATED IN THE
VILLAGE OF LEMONT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SEE SHEET 3 FOR
DESIGN DETAILS

TRAFFIC DATA:
ADT (2007): 7,900
POSTED SPEED LIMIT = 35 MPH
DESIGN SPEED LIMIT = 35 MPH



Frank Novotny & Associates, Inc.
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

FNA JOB # 05471

GENERAL CONSTRUCTION NOTES

PAVING AND STORM SEWERS

SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT.

CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.C. AT 1-800-892-0123, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THEREOF. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER.

PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWS AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED. SAW CUTTING FOR PATCHES WILL BE INCIDENTAL TO THE PATCHING ITEM.

PROJECT SAFETY

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

ALL ITEMS ASSOCIATED WITH CURB AND GUTTER, DRIVEWAYS AND PATCHING WILL NOT EXCEED THE QUANTITIES LISTED IN THE SUMMARY OF QUANTITIES.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	2
F.H.W.A. REC.	ILLINOIS	PROJECT	M-8003(975)	

CONTRACT NO. 63136

SUMMARY OF QUANTITIES

Item No	Description	Unit	Construction
			Code 1000 Quantity
21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	2300
25000110	SEEDING, CLASS 1A	ACRE	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10.0
25100630	EROSION CONTROL BLANKET	SQ YD	3099
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7
40600300	AGGREGATE (PRIME COAT)	TON	16
40600895	CONSTRUCTION TEST STRIP	EACH	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	185
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1360
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	30
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	58
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	15713
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	168
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	7
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	66
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	2017
67100100	MOBILIZATION	L.SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L.SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2250
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	256
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	151
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19240
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	356
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	196
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	104
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	588
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	71
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	906
* XX006257	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	116

* SPECIALTY ITEMS



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Illinois Professional Design Firm No. 184-000928

PROJECT

VILLAGE OF LEMONT, ILLINOIS
DERBY ROAD LAPP RESURFACING
SECTION 08-00040-00-RS

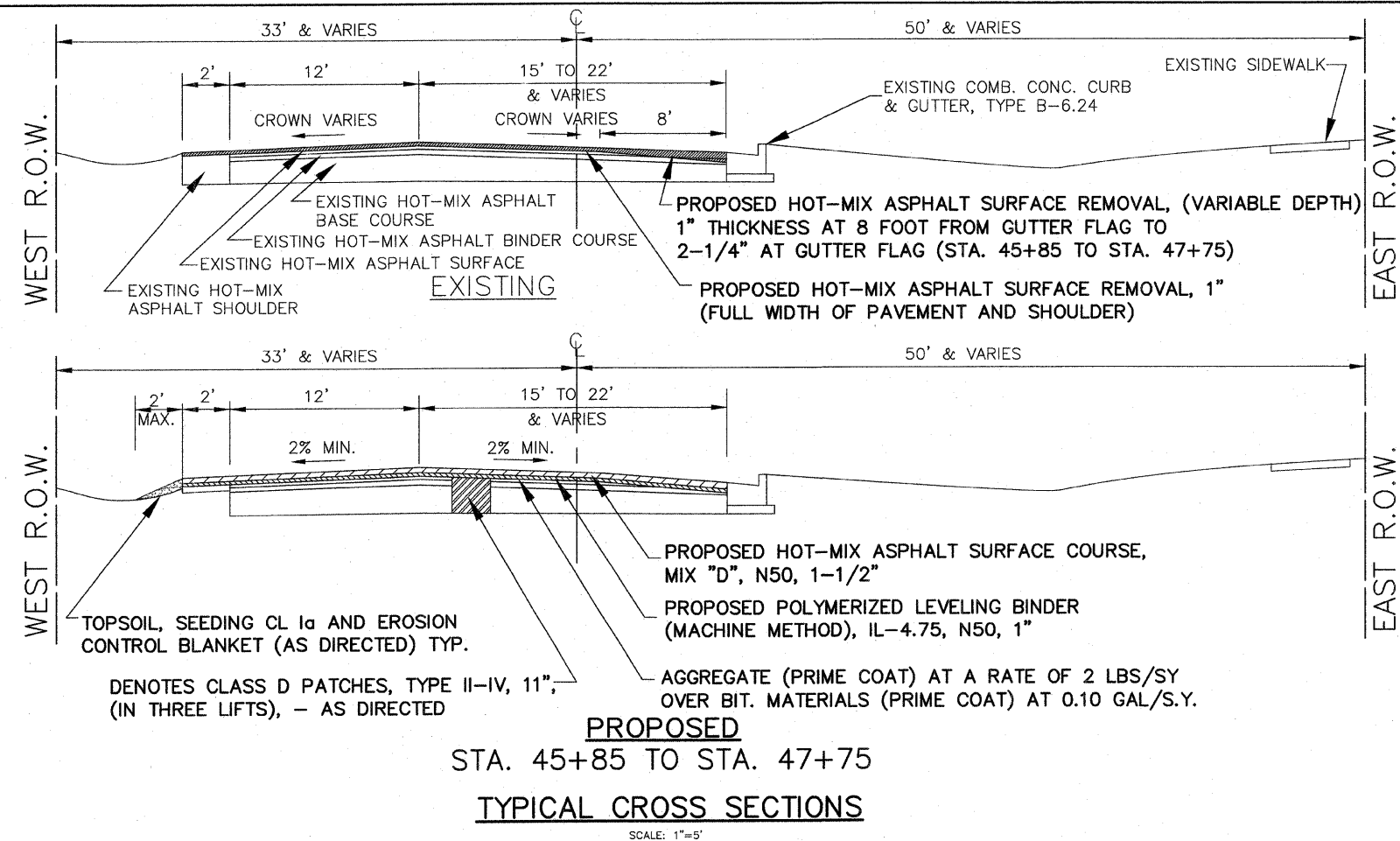
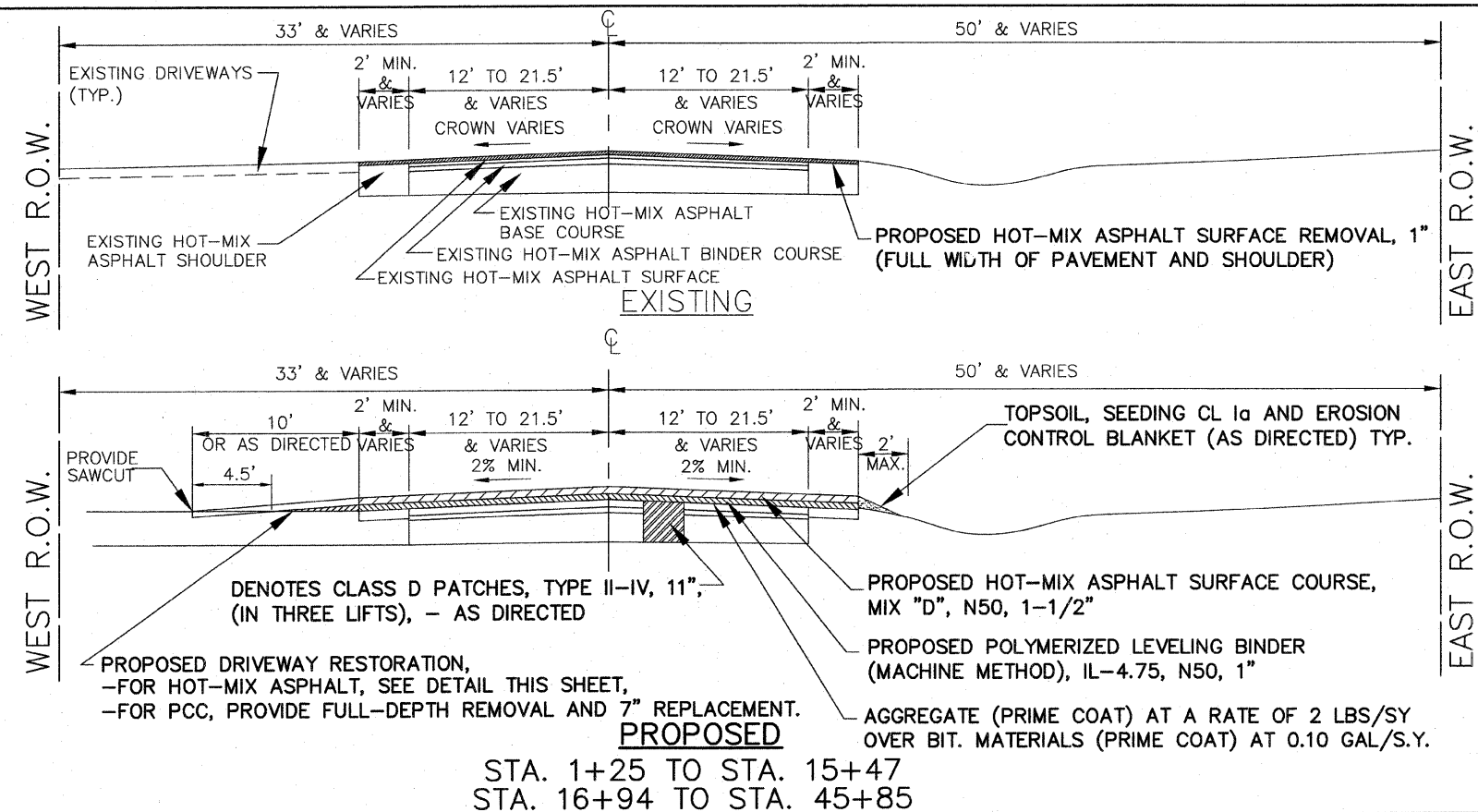
REVISIONS

NO.	BY	DATE	DESCRIPTION
1	THK	1-18-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW
3	THK	2-05-09	PER I.D.O.T. REVIEW

CONSTRUCTION NOTES
SUMMARY OF QUANTITIES

PROJECT NO. 05471	SCALE NONE	SHEET 2 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

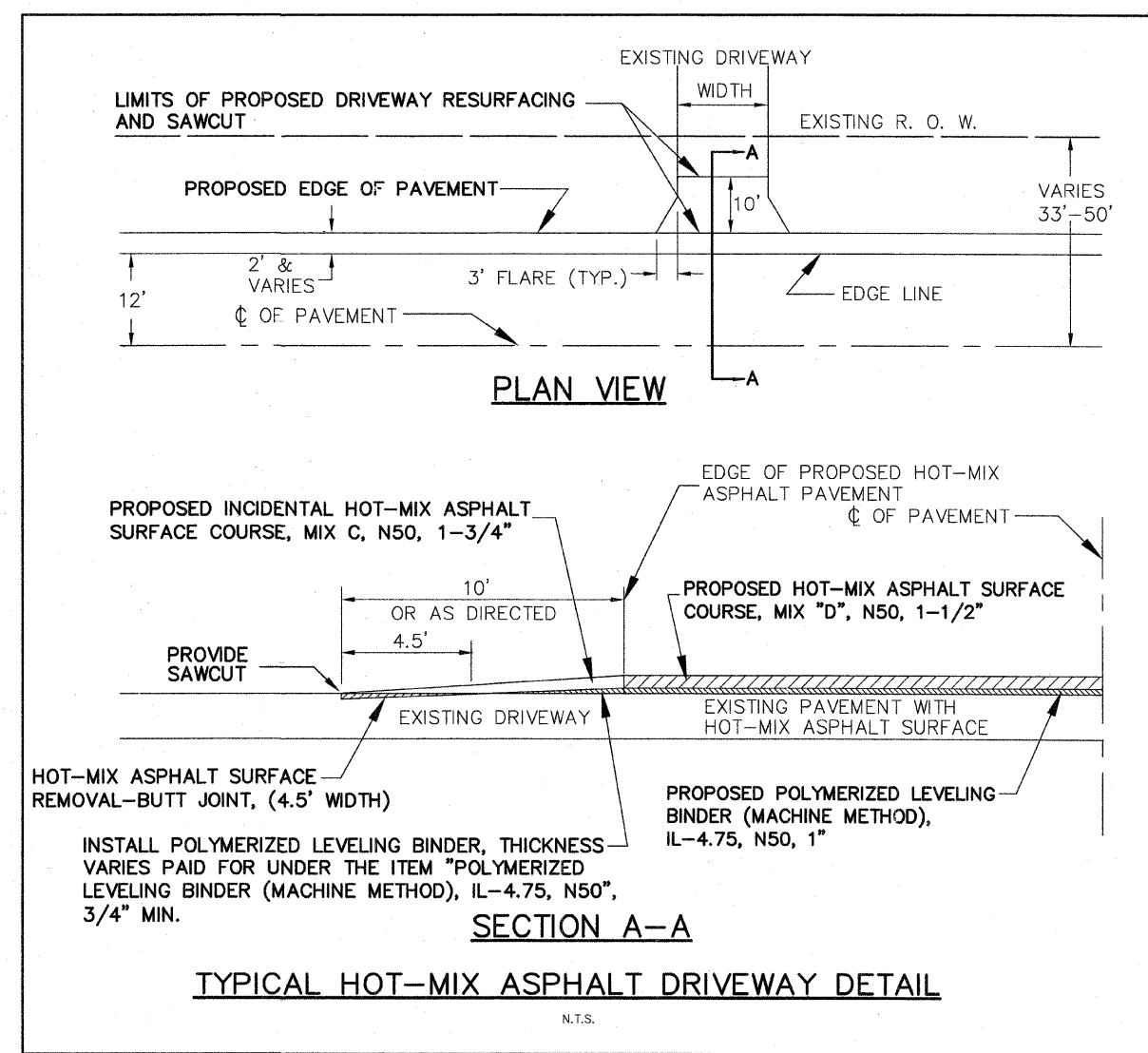
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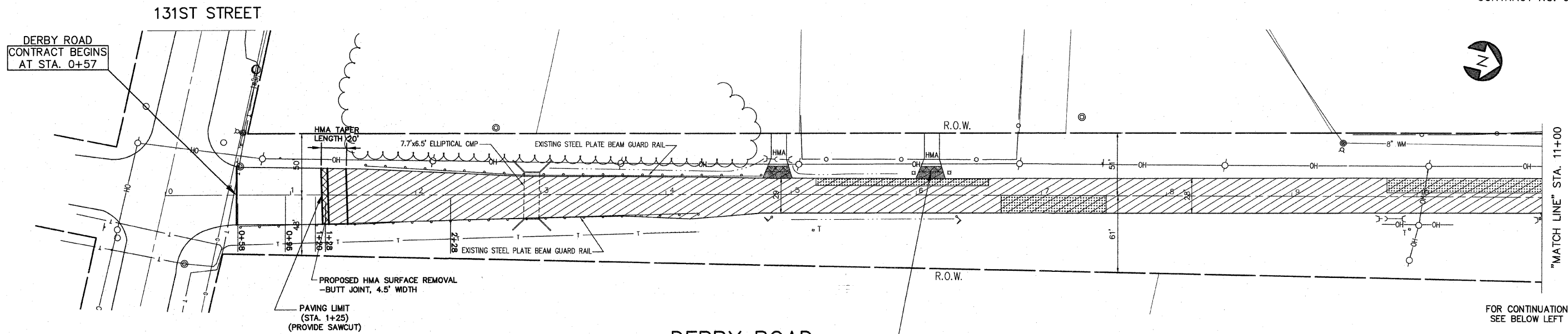
HOT-MIX ASPHALT MIXTURE REQUIREMENT

MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2" (IL-9.5mm)	PG 64-22	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50, 1" (IL-4.75mm)	SBS/SBR PG 76-28/-22	4% @ 50 GYR
DRIVEWAYS		
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "C", N50, (IL 9.5 mm), 1-3/4"	PG 64-22	4% @ 50 GYR
PATCHING		
CLASS D PATCHES, TYPE II-IV, 11", (HMA BINDER IL-19.0mm)	*PG 64-22	4% @ 70 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



REVISIONS				
NO.	BY	DATE	DESCRIPTION	
1	THK	1-19-09	PER I.D.O.T. REVIEW	
2	THK	1-28-09	PER I.D.O.T. REVIEW	
3	THK	2-05-09	PER I.D.O.T. REVIEW	



DERBY ROAD
CONTRACT BEGINS
AT STA. 0+57

"MATCH LINE" STA. 11+00

FOR CONTINUATION
SEE BELOW LEFT

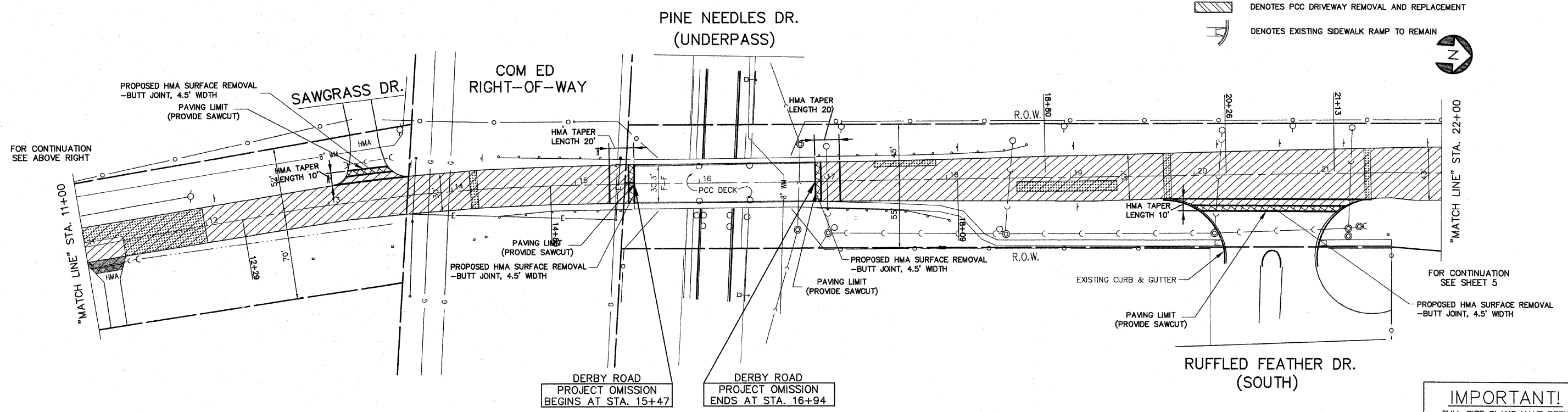
DERBY ROAD

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK
SEE SHEET 3

NOTE:
ALL SAW CUTS SHALL BE CONSIDERED INCIDENTAL
TO THE CONTRACT

PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACE
COURSE, MIX C, N50 (IL 9.5mm), 1-3/4" THICKNESS
(TYPICAL FOR HOT-MIX ASPHALT DRIVEWAYS),
SEE SHEET 3 FOR DETAIL

- LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL (SEE SHEET 3 FOR SCOPE OF WORK)
 - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT, (4.5' WIDTH)
 - DENOTES INCIDENTAL HOT-MIX ASPHALT SURFACING, 1-3/4"
 - DENOTES CLASS D PATCHES, TYPE II-IV, 11" THICKNESS, (HOT-MIX ASPHALT BINDER IL-19.0mm), - AS DIRECTED
 - DENOTES PCC DRIVEWAY REMOVAL AND REPLACEMENT
 - DENOTES EXISTING SIDEWALK RAMP TO REMAIN



"MATCH LINE" STA. 11+00

"MATCH LINE" STA. 22+00

FOR CONTINUATION
SEE SHEET 5

DERBY ROAD

IMPORTANT!
FULL SIZE PLANS HAVE BEEN
PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED
SIZED PLANS WILL NOT CONFORM
TO STANDARD SCALES INDICATED
IN TITLE BLOCK.

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	1-18-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW

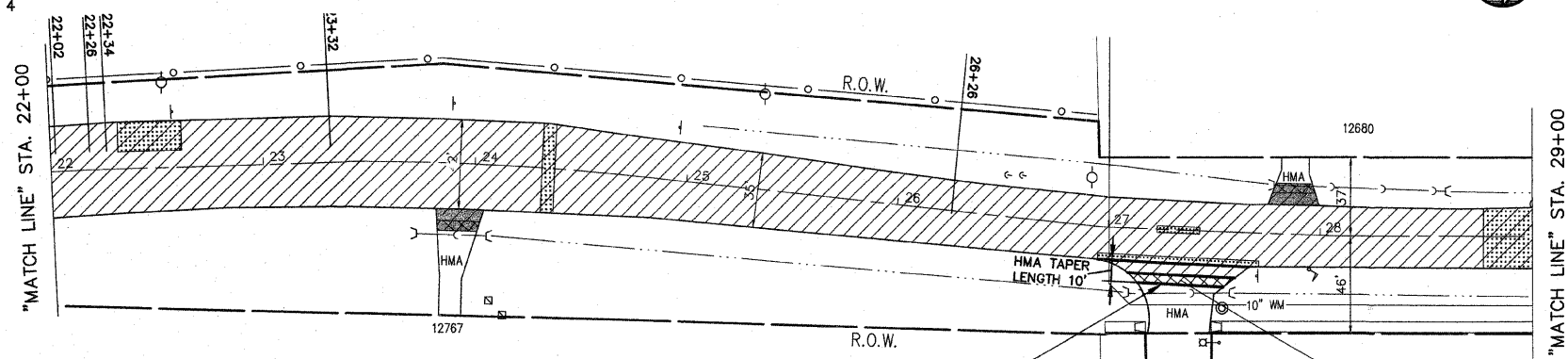
PLAN
DERBY ROAD-
131ST ST. to
STA. 22+00

PROJECT NO. 05471	SCALE 1"=40'	SHEET 4 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFF/JLC	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	5
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

CONTRACT NO. 63136

FOR CONTINUATION
SEE SHEET 4



FOR CONTINUATION
SEE BELOW LEFT

- LEGEND**
- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL (SEE SHEET 3 FOR SCOPE OF WORK)
 - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT, (4.5' WIDTH)
 - DENOTES INCIDENTAL HOT-MIX ASPHALT SURFACING, 1-3/4"
 - DENOTES CLASS D PATCHES, TYPE II-IV, 11" THICKNESS, (HOT-MIX ASPHALT BINDER IL-19.0mm), - AS DIRECTED
 - DENOTES PCC DRIVEWAY REMOVAL AND REPLACEMENT
 - DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, (VARIABLE DEPTH) 1" THICKNESS AT 8 FOOT FROM GUTTER FLAG TO 2-1/4" THICKNESS AT GUTTER FLAG (STA. 45+85 TO STA. 47+75)
 - DENOTES EXISTING SIDEWALK RAMP TO REMAIN

DERBY ROAD

RUFFLED FEATHER DR. (NORTH)

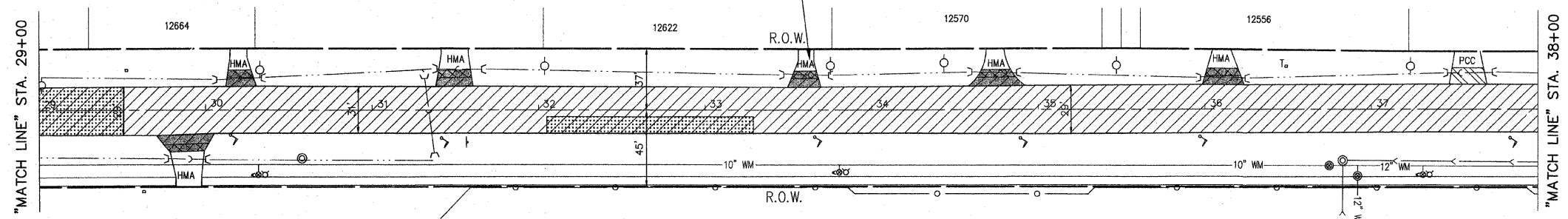
FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK
SEE SHEET 3

PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL 9.5mm), 1-3/4" THICKNESS (TYPICAL FOR HOT-MIX ASPHALT DRIVEWAYS), SEE SHEET 3 FOR DETAIL

NOTE:
ALL SAW CUTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT



FOR CONTINUATION
SEE ABOVE RIGHT

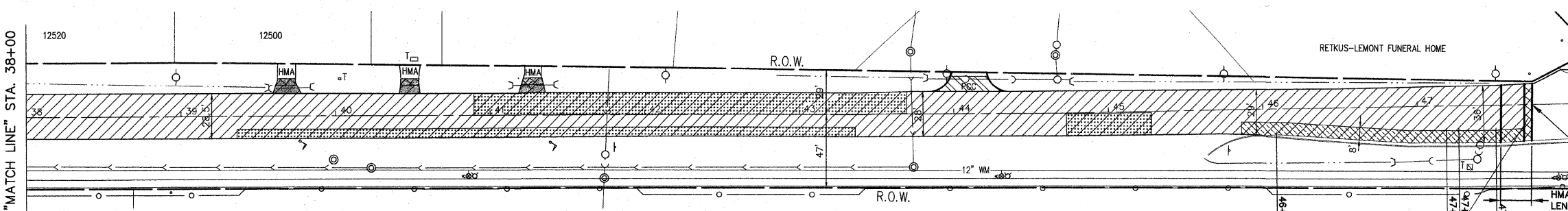


FOR CONTINUATION
SEE BELOW LEFT

DERBY ROAD



FOR CONTINUATION
SEE ABOVE RIGHT



CARE SHALL BE TAKEN TO ENSURE DETECTOR LOOPS ARE NOT DAMAGED DURING CONSTRUCTION

DERBY ROAD CONTRACT ENDS AT STA. 48+75

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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PROJECT
VILLAGE OF LEMONT, ILLINOIS
DERBY ROAD LAPP RESURFACING
SECTION 08-00040-00-RS

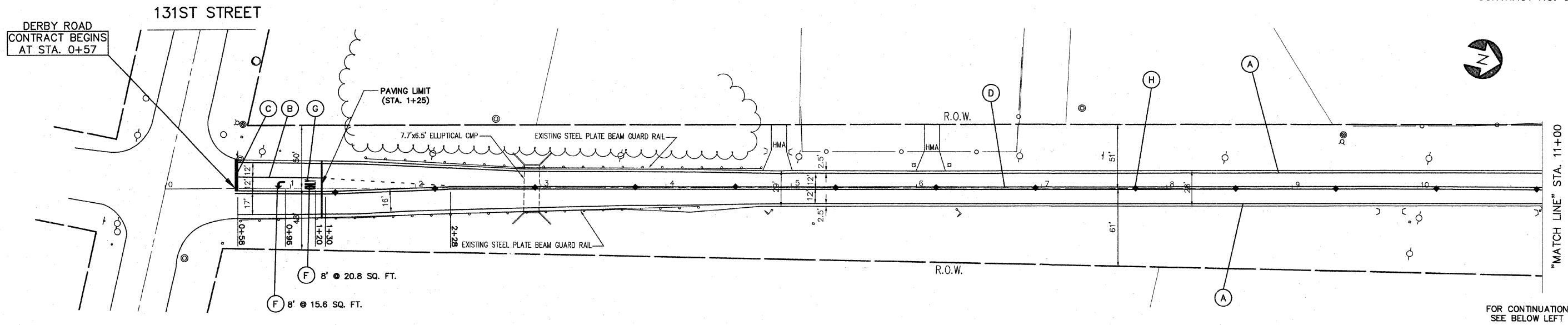
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	1-16-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW

PLAN
DERBY ROAD-
STA. 22+00 to
ARCHER AVENUE

PROJECT NO. 05471	SCALE 1"=40'	SHEET 5 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	6
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

CONTRACT NO. 63136



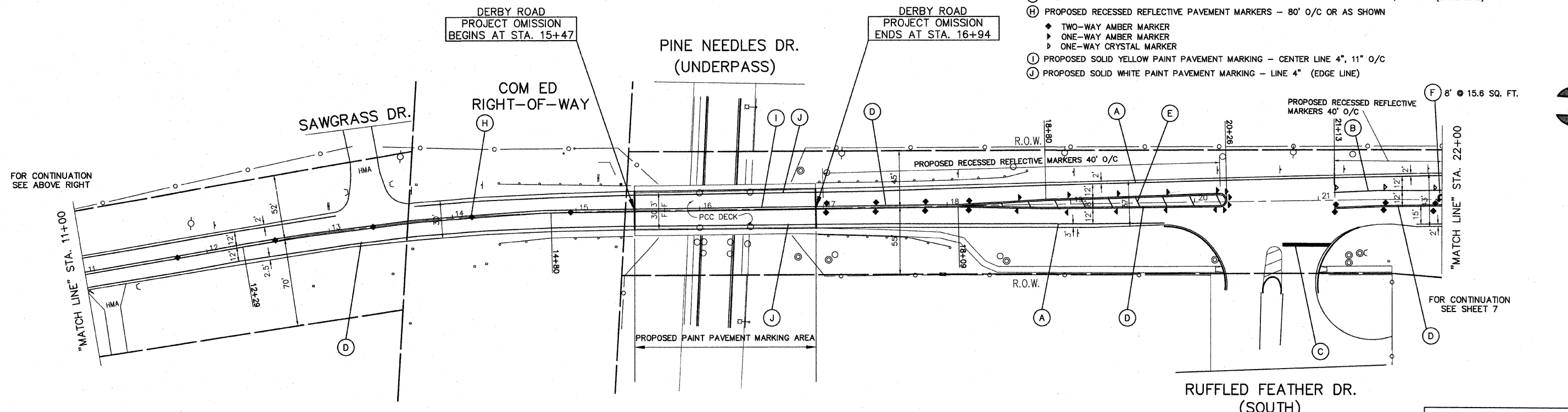
NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

DERBY ROAD

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (D)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

THERMOPLASTIC STRIPING CODE

- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
- (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
- (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
- (D) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (E) PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 12" (DIAGONALS)
- (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS
- (G) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
- (H) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
 - ◆ TWO-WAY AMBER MARKER
 - ▶ ONE-WAY AMBER MARKER
 - ▶ ONE-WAY CRYSTAL MARKER
- (I) PROPOSED SOLID YELLOW PAINT PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (J) PROPOSED SOLID WHITE PAINT PAVEMENT MARKING - LINE 4" (EDGE LINE)



DERBY ROAD

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

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Civil Engineers/Municipal Consultants
825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

PROJECT
VILLAGE OF LEMONT, ILLINOIS
DERBY ROAD LAPP RESURFACING
SECTION 08-00040-00-RS

R E V I S I O N S			
NO.	BY	DATE	DESCRIPTION
1	THK	1-16-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW

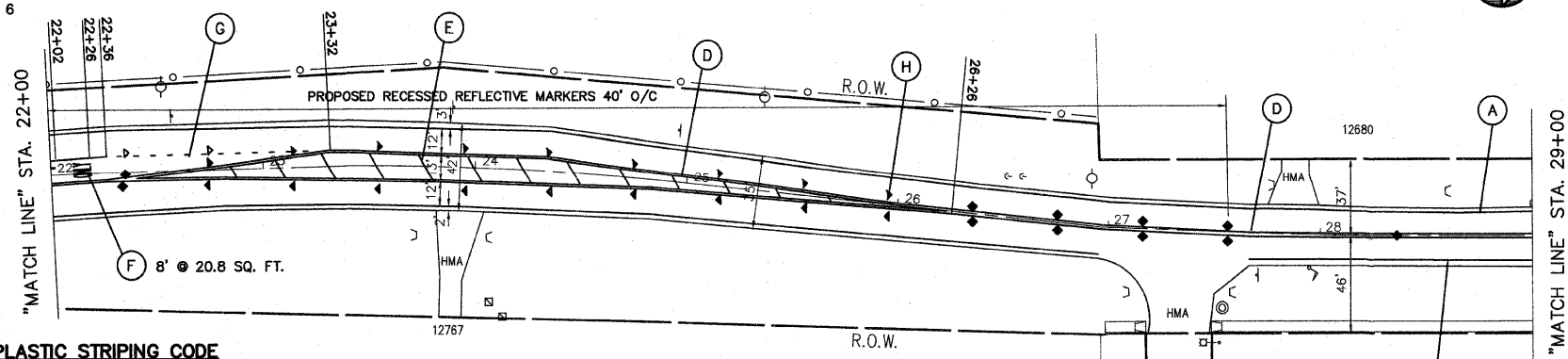
STRIPING PLAN
DERBY ROAD-
131ST ST. to
STA. 22+00

PROJECT NO. 05471	SCALE 1"=40'	SHEET 6 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	7
F.H.W.A. REG.	ILLINOIS	PROJECT	M-8003(975)	

CONTRACT NO. 63136

FOR CONTINUATION
SEE SHEET 6



FOR CONTINUATION
SEE BELOW LEFT

THERMOPLASTIC STRIPING CODE

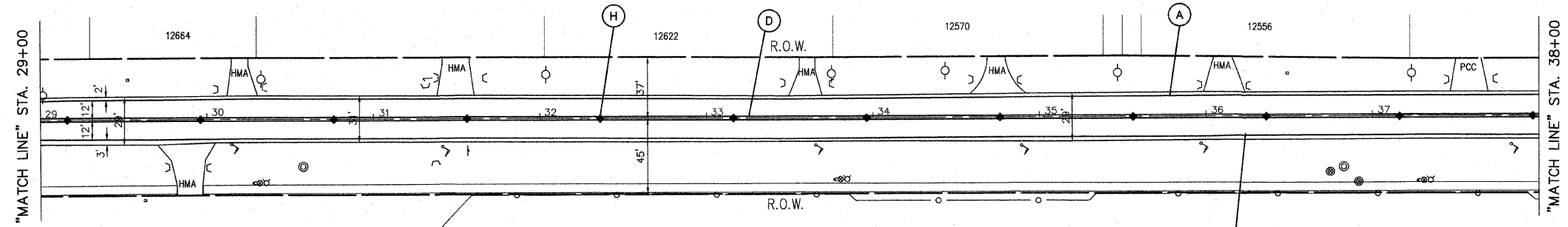
- (A) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 4" (EDGE LINE)
 - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
 - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (D) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (E) PROPOSED SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - LINE 12" (DIAGONALS)
 - (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS
 - (G) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
 - (H) PROPOSED RECESSED REFLECTIVE PAVEMENT MARKERS - 80' O/C OR AS SHOWN
- ◆ TWO-WAY AMBER MARKER
 - ▶ ONE-WAY AMBER MARKER
 - ▷ ONE-WAY CRYSTAL MARKER

DERBY ROAD

RUFFLED FEATHER DR. (NORTH)

PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (D)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

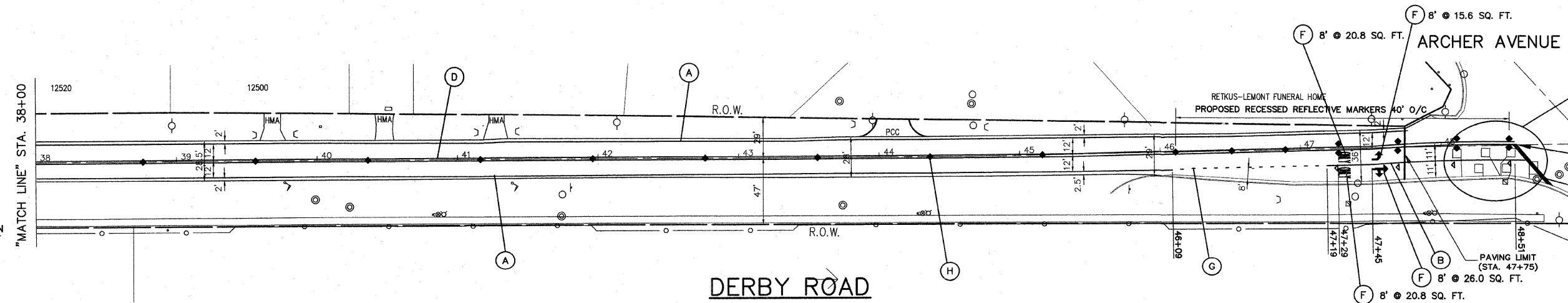
FOR CONTINUATION
SEE ABOVE RIGHT



FOR CONTINUATION
SEE BELOW LEFT

DERBY ROAD

FOR CONTINUATION
SEE ABOVE RIGHT



CARE SHALL BE TAKEN TO ENSURE DETECTOR LOOPS ARE NOT DAMAGED DURING CONSTRUCTION

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

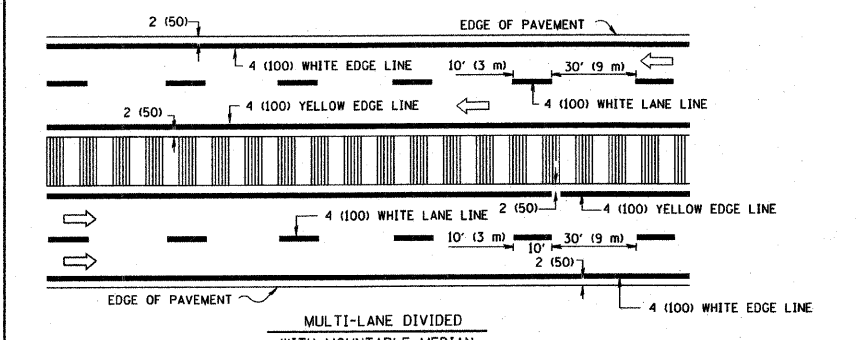
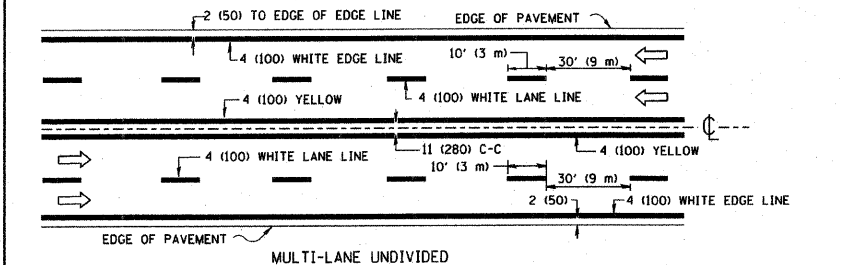
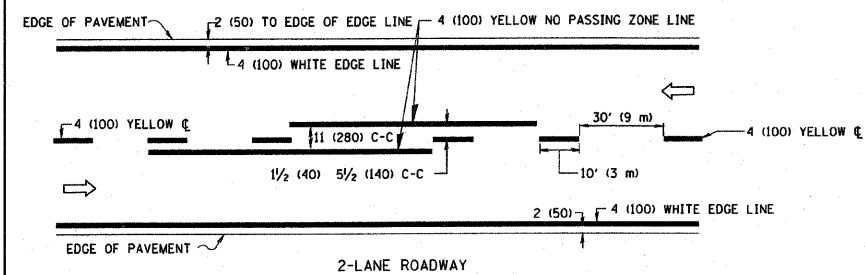
Frank Novotny & Associates, Inc.
Civil Engineers/Municipal Consultants
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

PROJECT
VILLAGE OF LEMONT, ILLINOIS
DERBY ROAD LAPP RESURFACING
SECTION 08-00040-00-RS

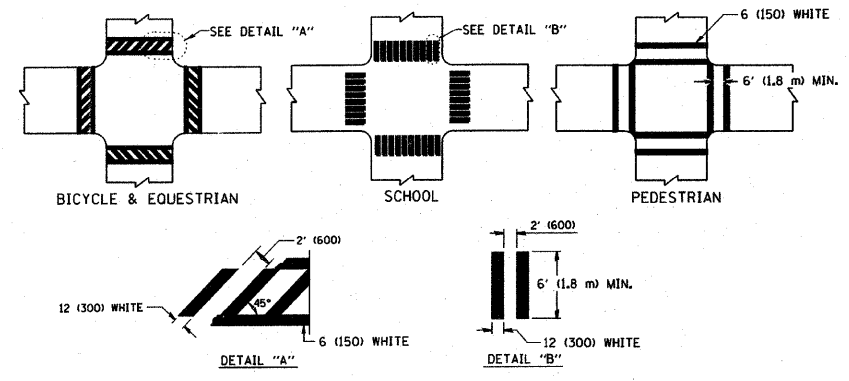
REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	THK	1-16-09	PER I.D.O.T. REVIEW
2	THK	1-28-09	PER I.D.O.T. REVIEW

STRIPING PLAN
DERBY ROAD -
STA. 22+00 to
ARCHER AVENUE

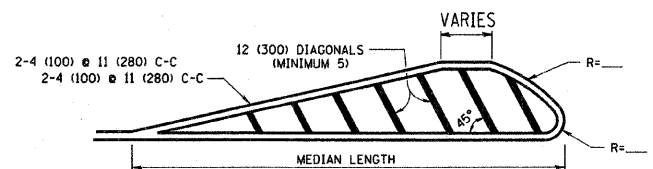
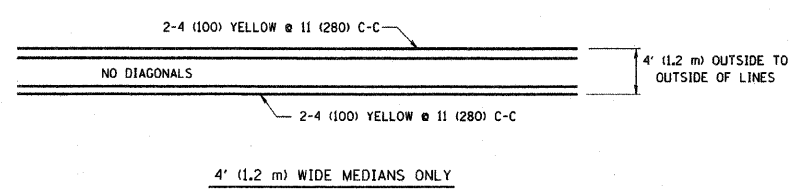
PROJECT NO. 05471	SCALE 1"=40'	SHEET 7 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	



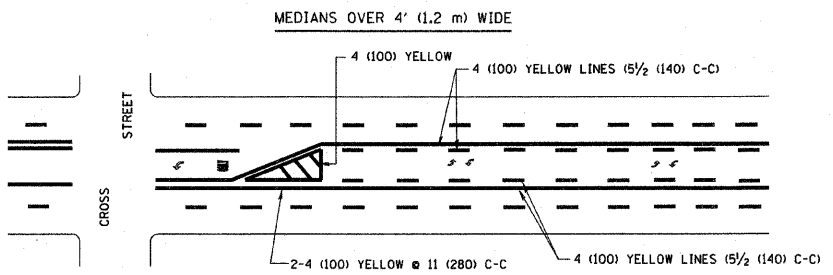
TYPICAL LANE AND EDGE LINE MARKING



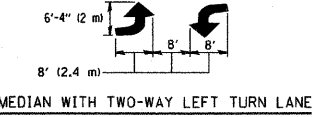
TYPICAL CROSSWALK MARKING



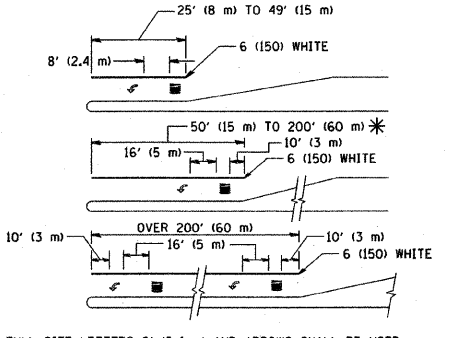
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



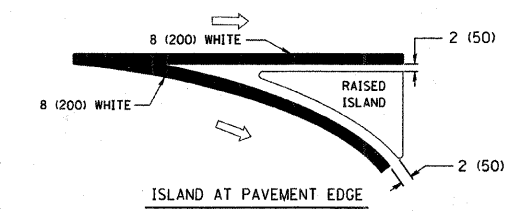
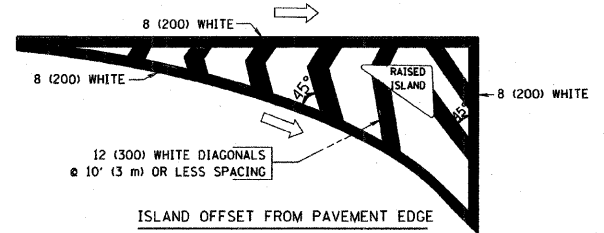
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 6 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OF RIGHT ARROW	1.47 (15.6)	0.40 (4.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	—
RAILROAD "X" 6.1m (20ft.)	5.02(54.0)	—
HANDICAPPED SYMBOL	0.43 (4.6)	—

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

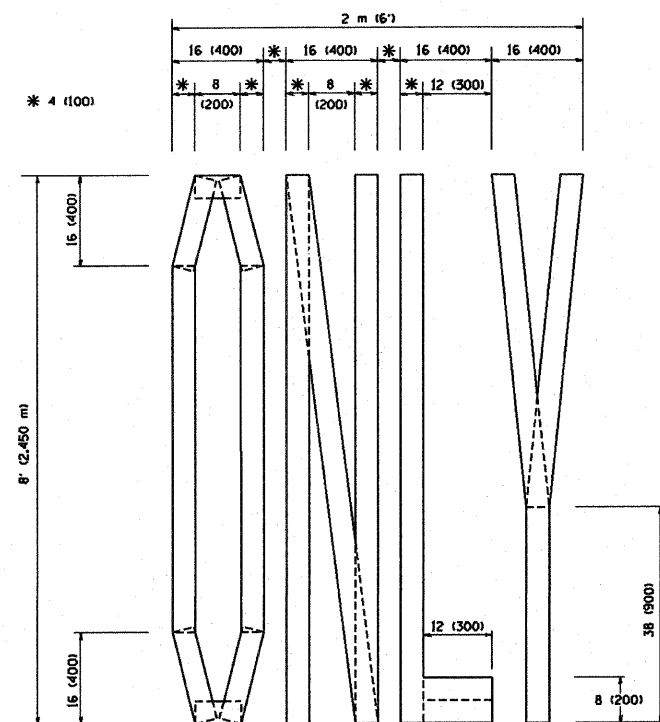
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS
 SCALE: NONE
 DRAWN BY CADD
 CHECKED BY
 TC-13

DATE: 2/6/2007
 FILE: 08-00040-00-RS-13.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER: NAME

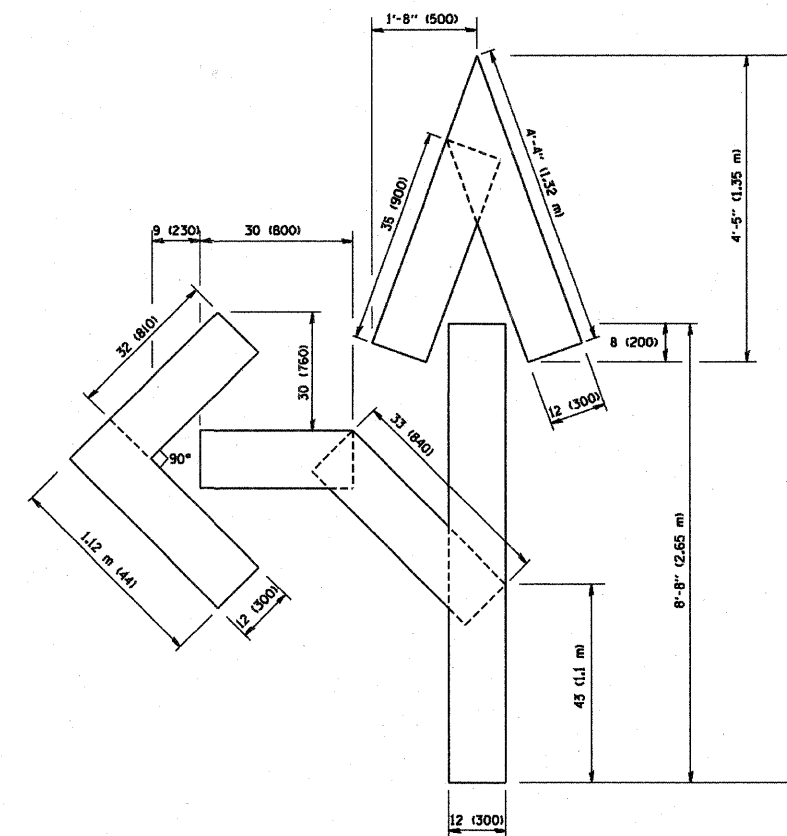
REVISIONS			
NO.	BY	DATE	DESCRIPTION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	9
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

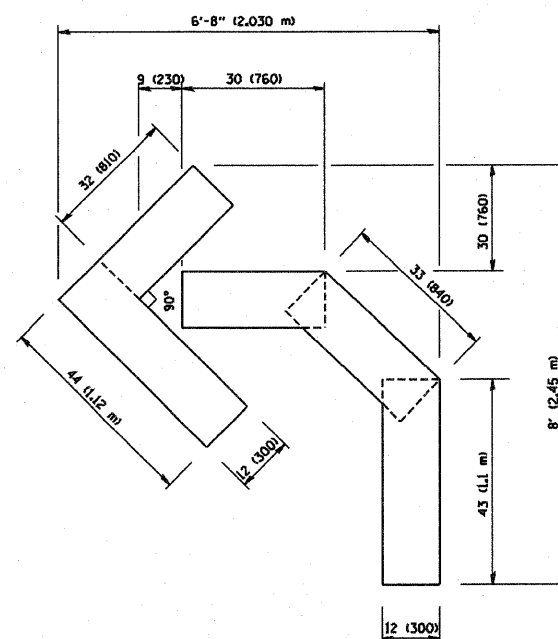
CONTRACT NO. 63136



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NO.	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING
LETTERS AND SYMBOLS
FOR TRAFFIC STAGING**

SCALE: NONE

DRAWN BY CADD
CHECKED BY
TC-16

PLOT DATE = 3/7/2007
FILE NAME = K:\data\1016\1016.dwg
PLOT SCALE = 1/8"=1'-0"
USER NAME = baird



Frank Novotny & Associates, Inc.

825 Midway Drive ♦ Willowbrook, IL ♦ 60527 ♦ Telephone: (630) 887-8640 ♦ Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-000928

PROJECT

VILLAGE OF LEMONT, ILLINOIS
DERBY ROAD LAPP RESURFACING
SECTION 08-00040-00-RS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

**PAVEMENT MARKING
LETTERS AND SYMBOLS
FOR TRAFFIC STAGING**

PROJECT NO.
05471

SCALE
NONE

DRAWN/DESIGNED
JEP/THK

CHECKED/APPROVED
JFP/JLC

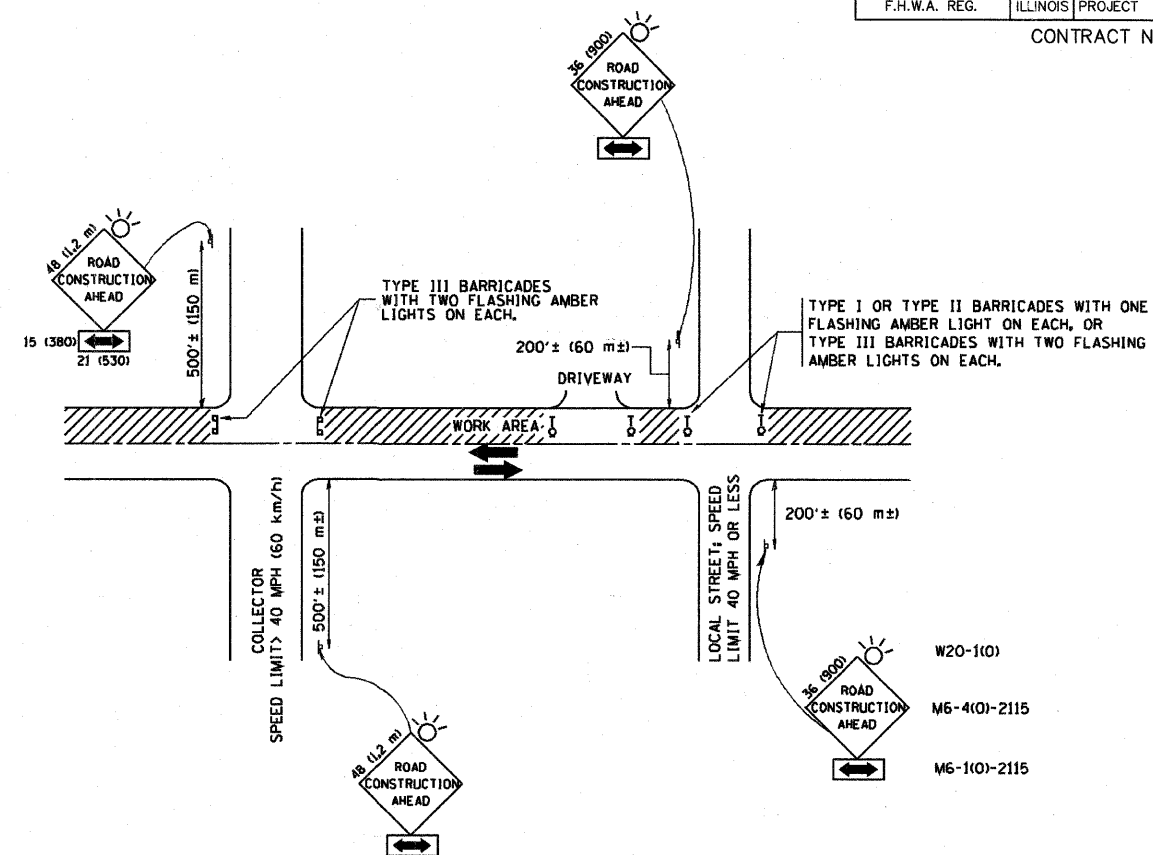
DATE
DEC., 2008

FIELD BOOK NO.
FILE

SHEET
9
OF
12
SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	10
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

CONTRACT NO. 63136



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701506 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION
FOR
SIDE ROADS, INTERSECTIONS, AND
DRIVEWAYS

SCALE: NONE

DRAWN BY
CHECKED BY
TC-10

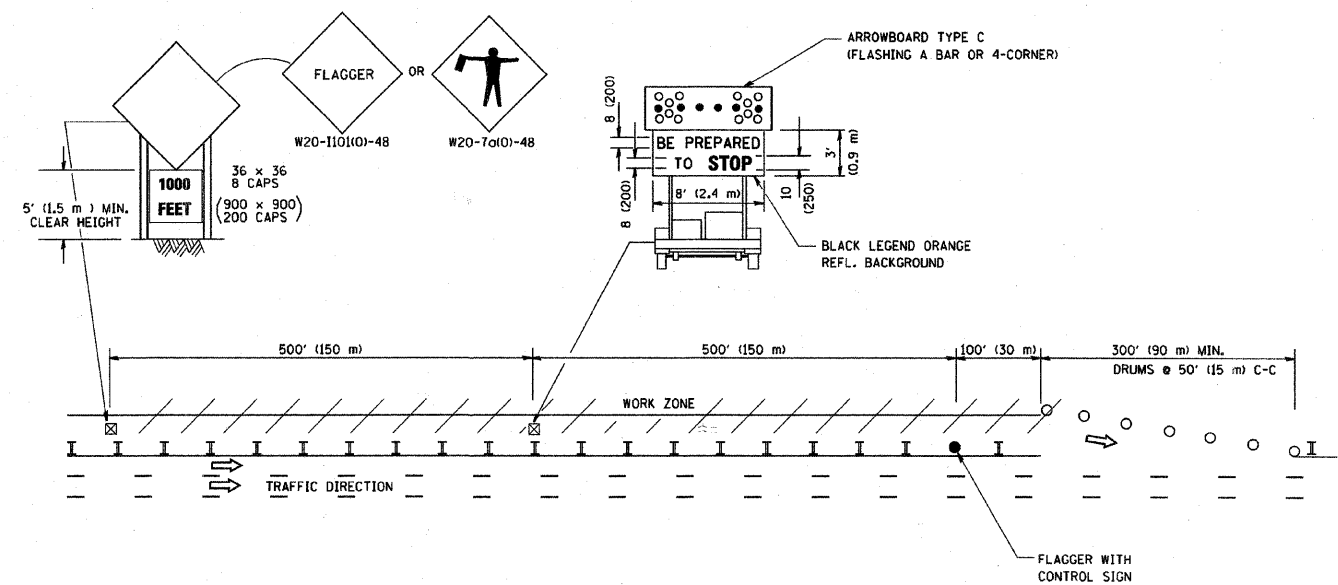
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USER NAME: bboard

REVISIONS			
NO.	BY	DATE	DESCRIPTION

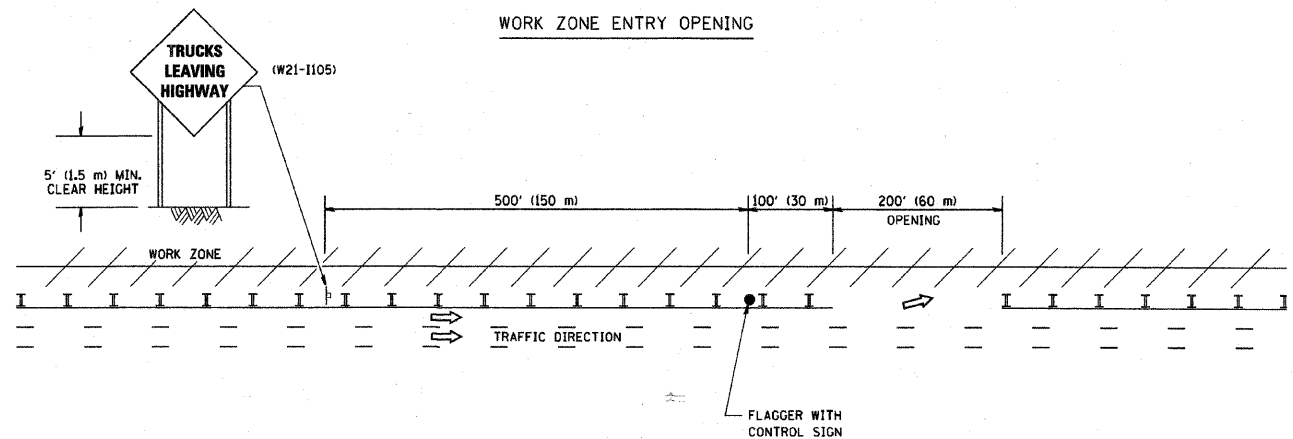
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	11
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)	CONTRACT NO. 63136	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

- The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
- Work Zone Exit Openings should be a minimum of one half mile apart.
- Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
- All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NO.	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
 SCALE: NONE
 DRAWN BY CADD
 CHECKED BY TC-18

PLOT DATE = 3/7/2007
 FILE NAME = K:\projects\10115.dwg
 PLOT SCALE = 1/8" = 1' IN.
 USER NAME = bboard



Frank Novotny & Associates, Inc.
 Civil Engineers/Municipal Consultants
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
 Illinois Professional Design Firm No. 184-000928

PROJECT: **VILLAGE OF LEMONT, ILLINOIS**
DERBY ROAD LAPP RESURFACING
 SECTION 08-00040-00-RS

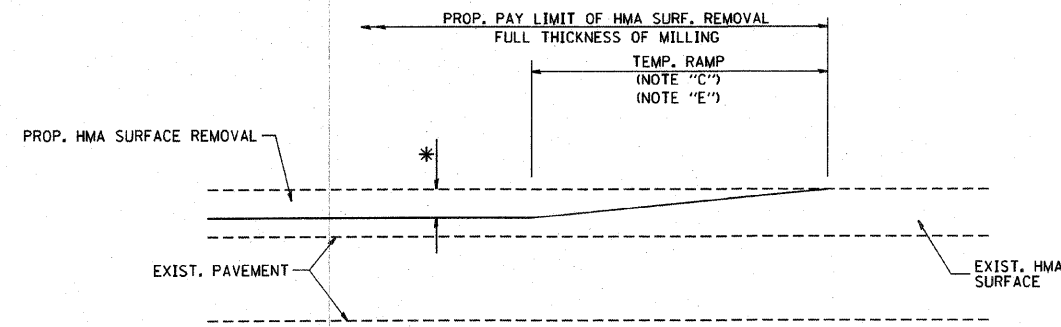
REVISIONS			
NO.	BY	DATE	DESCRIPTION

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

PROJECT NO. 054-71	SCALE NONE	SHEET 11
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	OF 12
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	SHEETS

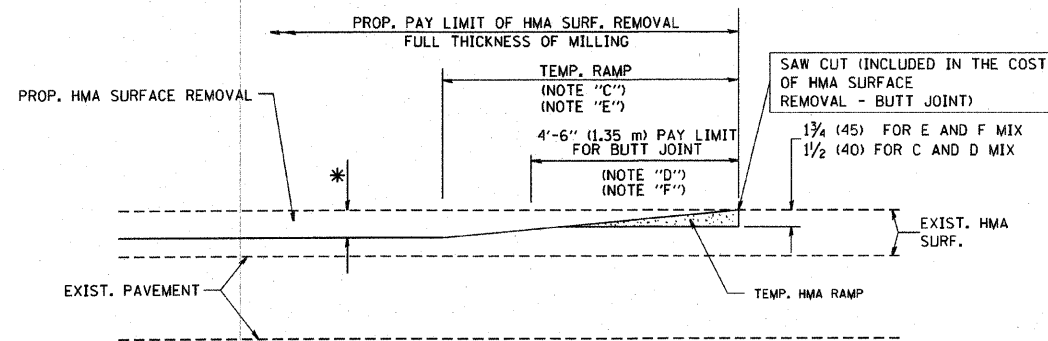
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1024	08-00040-00-RS	COOK	12	12
F.H.W.A. REG.	ILLINOIS PROJECT	M-8003(975)		

CONTRACT NO. 63136



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

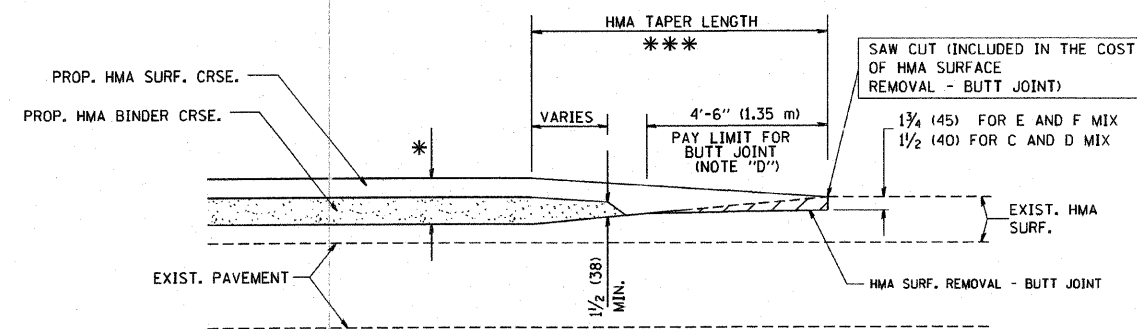
OPTION 1



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

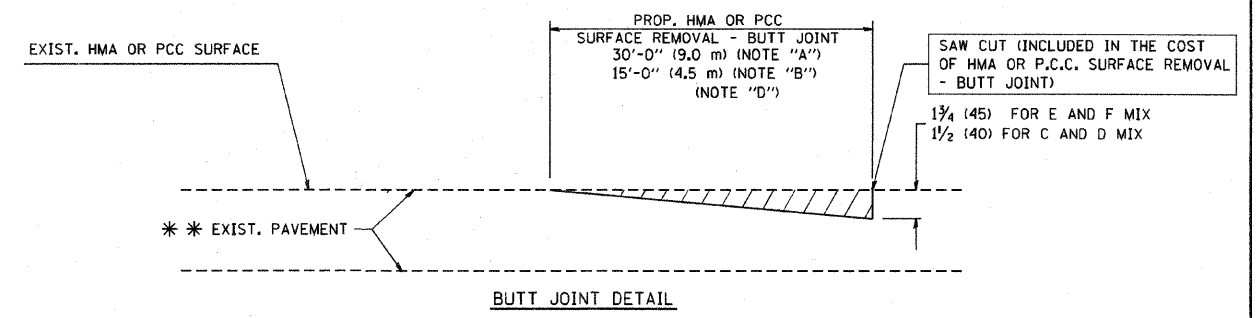
OPTION 2

TYPICAL TEMPORARY RAMP

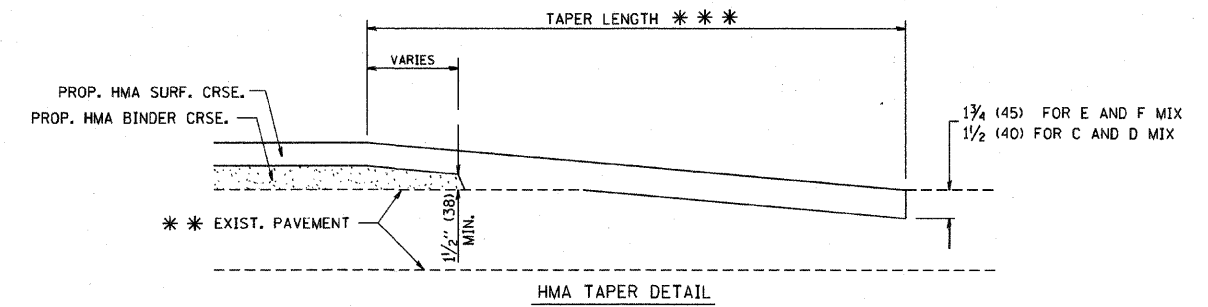


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE 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")

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	
NO.	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY
CHECKED BY

BD400-05 (VI=BD32)

PLT DATE = 3/5/2007
FILE NAME = M:\1024\08\0040\00-RS.dgn
PLOT SCALE = 1/8" = 1'-0"
USER NAME = bboard01

REVISIONS			
NO.	BY	DATE	DESCRIPTION

BUTT JOINT AND HMA TAPER DETAILS

PROJECT NO. 05471	SCALE NONE	SHEET 12 OF 12 SHEETS
DRAWN/DESIGNED JEP/THK	DATE DEC., 2008	
CHECKED/APPROVED JFP/JLC	FIELD BOOK NO. FILE	