

DESIGN ENGINEER: VYDAS JUSKELIS, P.E. (630) 834-8505

FIELD ENGINEER: MARILIN D. SOLOMON, P.E. (847) 705-4407

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	01
STA. 10+25.00		TO STA. 94+50.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 63160

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAU ROUTE 1397 - ST. CHARLES ROAD
(WESTMORE-MEYERS ROAD TO ILLINOIS ROUTE 83)
RESURFACING (LAPP PROJECT)
SECTION: 07-00084-00-RS
PROJECT: M-8003 (932)
DU PAGE COUNTY
JOB NUMBER: C-91-156-08

INDEX OF SHEETS

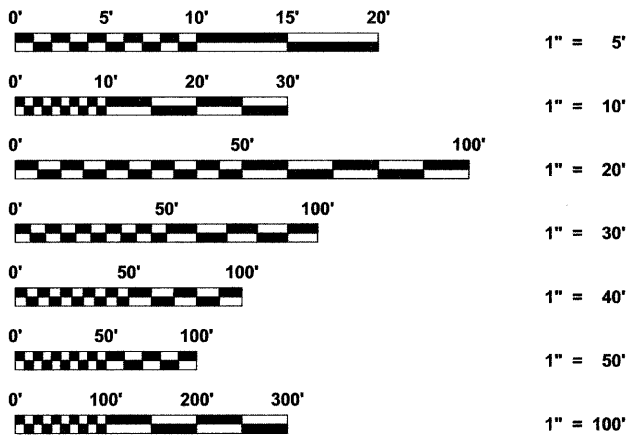
- 1 COVER SHEET
- 2 GENERAL NOTES
- TYPICAL SECTIONS
- HOT-MIX ASPHALT MIXTURES REQUIREMENTS CHART
- 3 SUMMARY OF QUANTITIES
- 4 PLAN, STA. 10+25 TO STA. 28+00
- 5 PLAN, STA. 28+00 TO STA. 46+00
- 6 PLAN, STA. 46+00 TO STA. 64+00
- 7 PLAN, STA. 64+00 TO STA. 81+00
- 8 PLAN, STA. 81+00 TO STA. 94+50
- 9 PAVEMENT MARKING PLAN, STA. 10+25 TO STA. 28+00
- 10 PAVEMENT MARKING PLAN, STA. 28+00 TO STA. 46+00
- 11 PAVEMENT MARKING PLAN, STA. 46+00 TO STA. 64+00
- 12 PAVEMENT MARKING PLAN, STA. 64+00 TO STA. 81+00
- 13 PAVEMENT MARKING PLAN, STA. 81+00 TO STA. 94+50
- 14 TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT, SHEET 1
- 15 TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT, SHEET 2

DISTRICT ONE STANDARD DETAILS

- 16 BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
- 17 BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- 18 BD-32 BUTT JOINT AND HMA TAPER DETAILS
- 19 TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- 20 TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 21 TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

STATE HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND CLASS D PATCHES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKING



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.

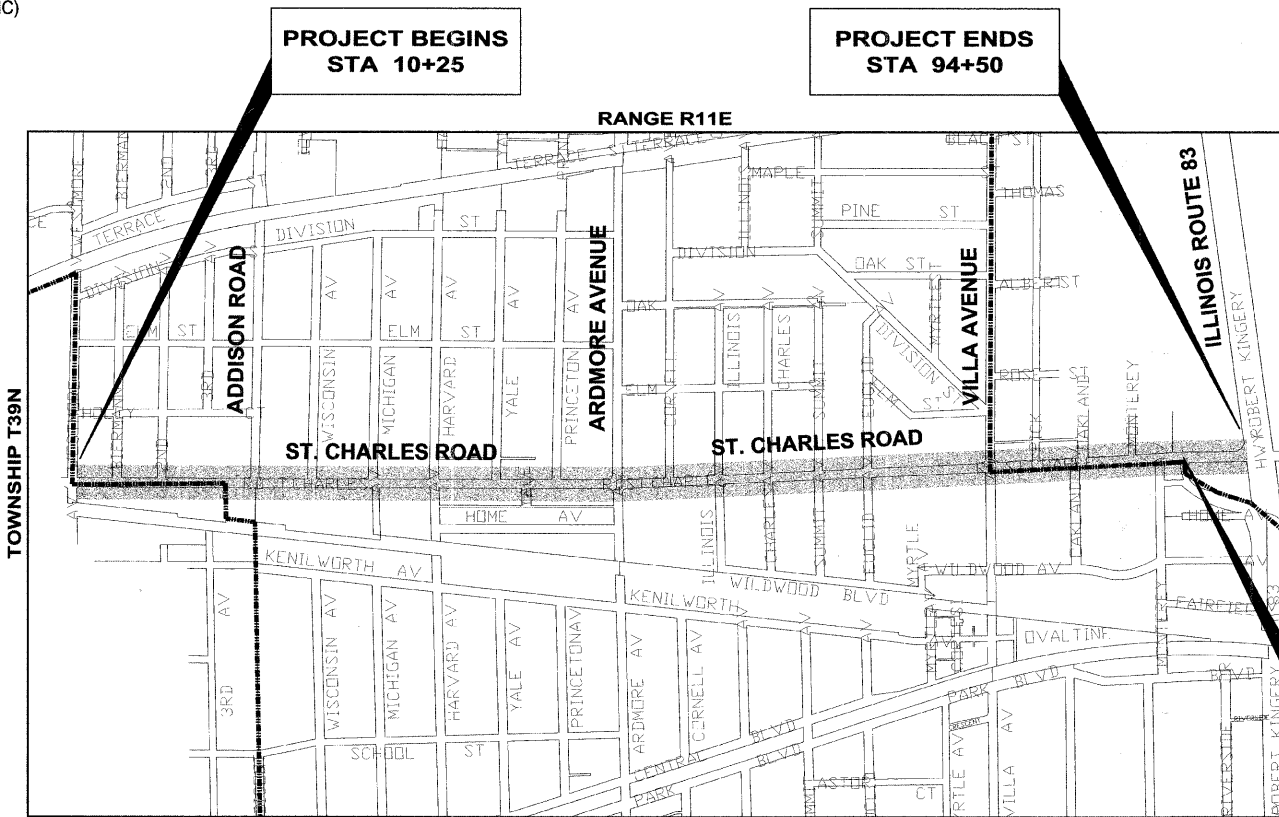
J.U.L.I.E
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 63160

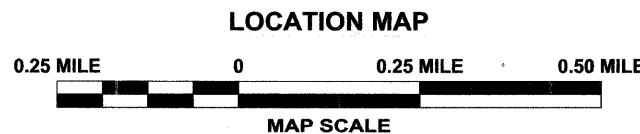


VILLAGE OF VILLA PARK

ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509



PROJECT LOCATED IN THE VILLAGE OF VILLA PARK, THE VILLAGE OF LOMBARD, AND THE CITY OF ELMHURST



TRAFFIC DATA
ST. CHARLES ROAD - 22,400 ADT (2005)
DESIGN DESIGNATION - MINOR ARTERIAL
EXISTING SPEED LIMIT - 30 MPH
DESIGN SPEED LIMIT - 30 MPH

LENGTH OF IMPROVEMENT

GROSS PROJECT LENGTH = 8,425.0 FEET (1.60 MILES) NET PROJECT LENGTH = 8,213.0 FEET (1.56 MILES)

OMISSION
STA 90+04 TO
STA 92+16



Vydas Juskelis
ENGINEER: VYDAS JUSKELIS 04/14/2009 DATE
ILLINOIS REGISTRATION NUMBER 062-045747
EXPIRATION DATE: 11/30/09
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL AND EXPIRATION DATE OF SEAL OF THE ENGINEER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

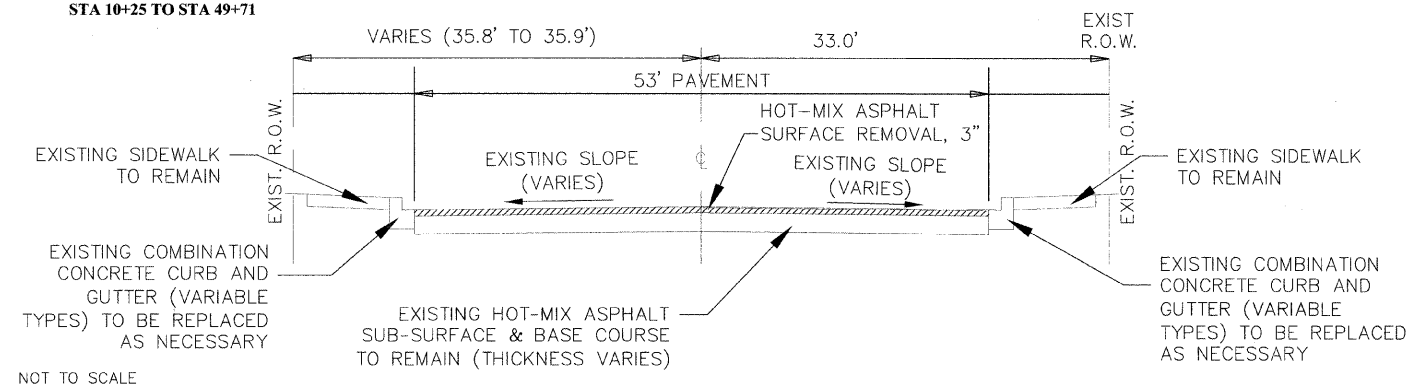
Approved: *Vydas Juskelis*
 Vydas Juskelis, P.E. - Public Works Director
 Local Agency, Position

Passed: *April 16, 2009*
Christopher Holt
 District #1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: *April 16, 2009*
Diane M. O'Keefe
 Deputy Director of Highways, Region #1 Engineer

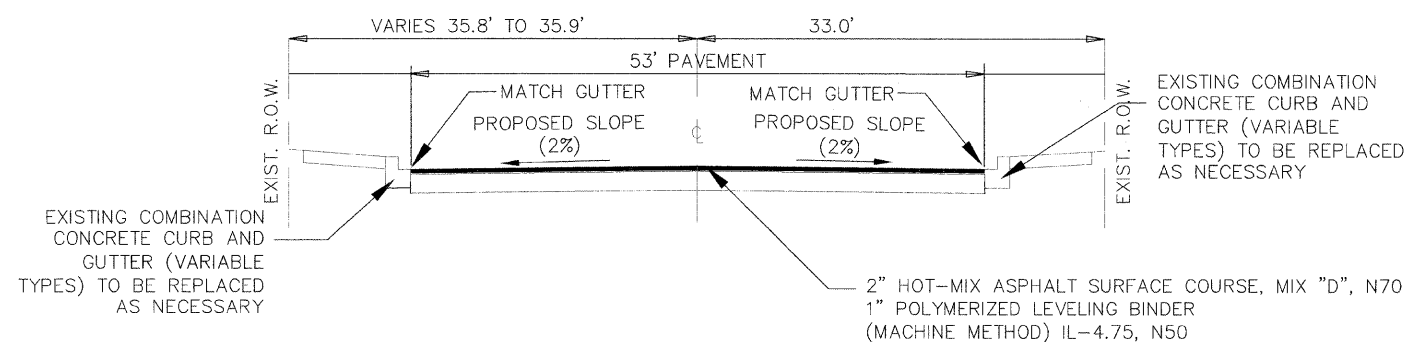
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

**EXISTING TYPICAL CROSS SECTION
STA 10+25 TO STA 49+71**



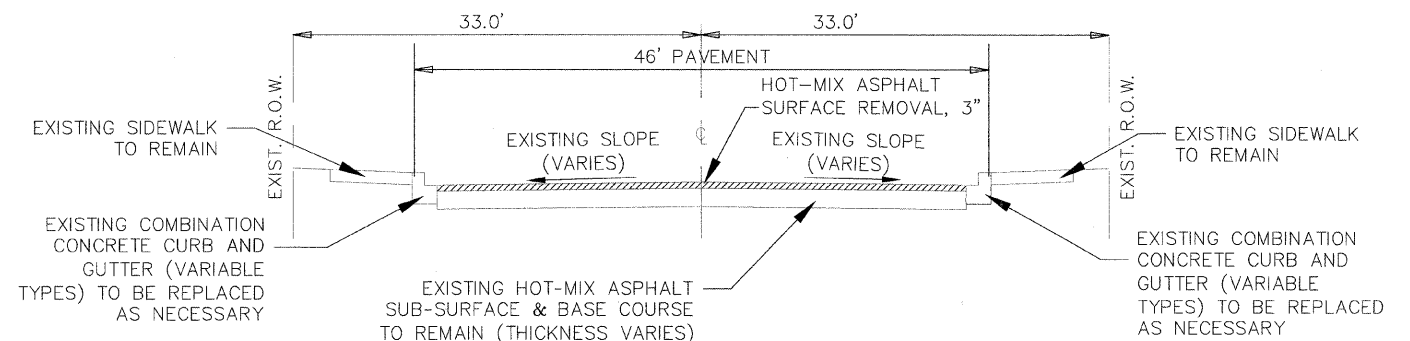
NOT TO SCALE

**PROPOSED TYPICAL CROSS SECTION
STA 10+25 TO STA 49+71**



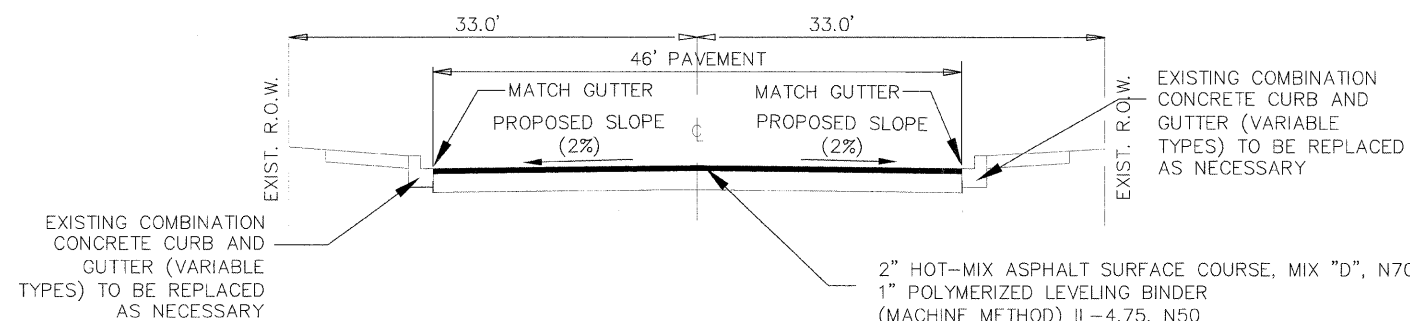
NOT TO SCALE

**EXISTING TYPICAL CROSS SECTION
STA 49+71 TO STA 94+50**



NOT TO SCALE

**PROPOSED TYPICAL CROSS SECTION
STA 49+71 TO STA 94+50**



NOT TO SCALE

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF VILLA PARK. BEFORE STARTING ANY EXCAVATING THE CONTRACTOR SHALL CONTACT "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE GAS, OR OTHER FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

TEN FOOT (10') TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

FULL DEPTH SAW CUT SHALL BE PERFORMED PRIOR TO REMOVAL OF COMBINATION CONCRETE CURB & GUTTER. FULL DEPTH SAW CUT WILL BE INCIDENTAL TO COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT ITEM.

RESTORATION BEHIND INSTALLED CURB & GUTTER SHALL BE CONSIDERED INCIDENTAL TO COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT ITEM.

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

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED ONE AND ONE-HALF INCHES (1½") WHERE THE SPEED LIMIT IS FORTY-FIVE MILES PER HOUR (45 MPH) OR LESS AND ONE INCH (1") WHERE THE SPEED LIMIT IS GREATER THAN FORTY-FIVE MILES PER HOUR (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF THREE INCHES (3") MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/ -22	4% @ 50 Gyr.
CLASS D PATCHES (HMA BINDER IL-19 mm)	PG 64-22 *	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA 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.



VILLAGE OF VILLA PARK

ENGINEERING DIVISION

20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696
PHONE (630) 834-8505 FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
**GENERAL NOTES, TYPICAL SECTIONS
& HMA MIX REQUIREMENTS CHART
ST. CHARLES ROAD
SHEET 1 OF 1**

SCALE: NOTED DATE: 11/30/2008 DRAWN BY: C.C. CHECKED BY: S.K.

SUMMARY OF QUANTITIES

* PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY 1000-2A
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3,100.00
△ Z0076600	TRAINEES	HOURL	500.00
28000510	INLET FILTERS	EACH	92.00
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5,200.00
40600300	AGGREGATE (PRIME COAT)	TON	100.00
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	100.00
40600895	CONSTRUCTING TEST STRIP	EACH	1.00
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	240.00
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6,700.00
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	51,710.00
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	900.00
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	600.00
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	600.00
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	600.00
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	600.00
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	10.00
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	92.00
67100100	MOBILIZATION	L SUM	1.00
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1.00
70300200	TEMPORARY PAVEMENT MARKING	FOOT	18,000.00
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	1,350.00
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	18,100.00
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	8,700.00
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	400.00
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	400.00
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	4,900.00

* DENOTES SPECIALTY ITEM

△ Y080



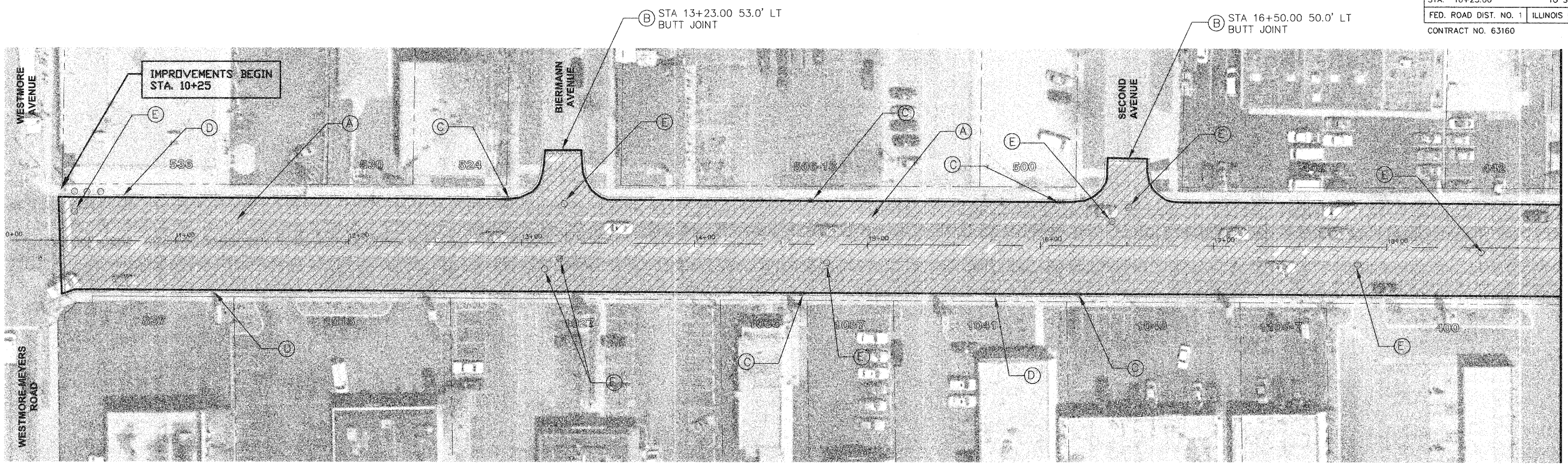
VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

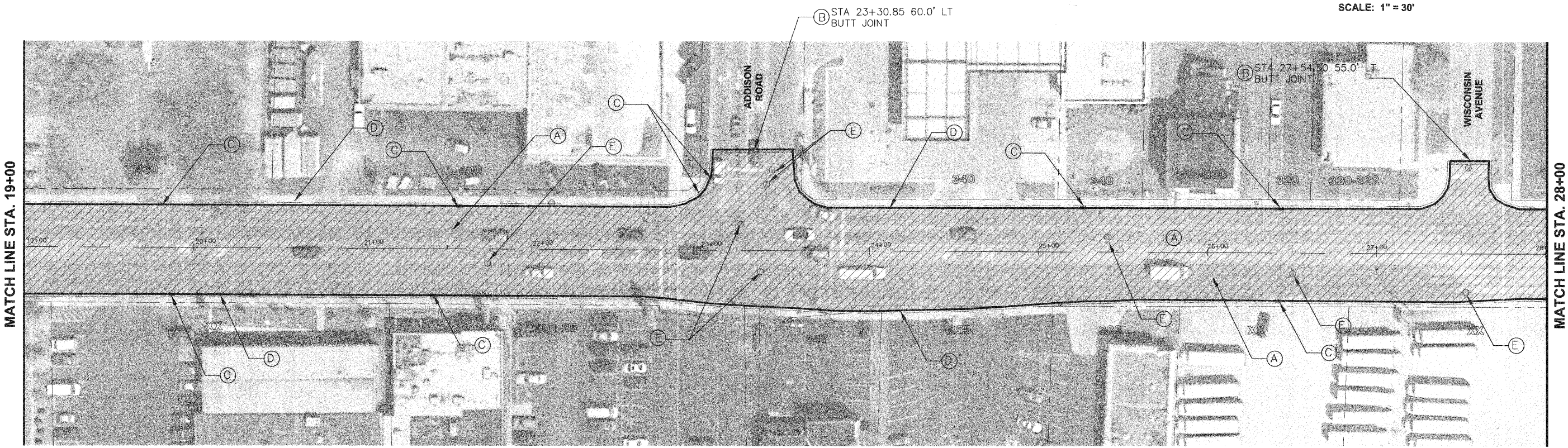
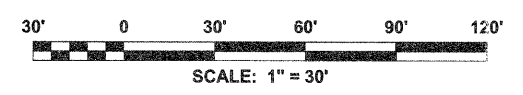
VILLAGE OF VILLA PARK, ILLINOIS
SUMMARY OF QUANTITIES
ST. CHARLES ROAD
SHEET 1 OF 1

SCALE: NOTED
 DATE: 11/30/2008
 DRAWN BY: C.C.
 CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	04
STA. 10+25.00		TO STA. 28+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3" FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT.
- AND
- RESURFACE PAVEMENT FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

- (B) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (C) EXISTING DRAINAGE STRUCTURES AT GUTTER TO REMAIN, NO RIM ADJUSTMENT PROVIDE INLET FILTER DURING PERIOD OF CONSTRUCTION
- (D) EXISTING CURB & GUTTER TO REMAIN
- (E) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TO MATCH NEW PAVEMENT GRADE AS REQUIRED



VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
 RICH GALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

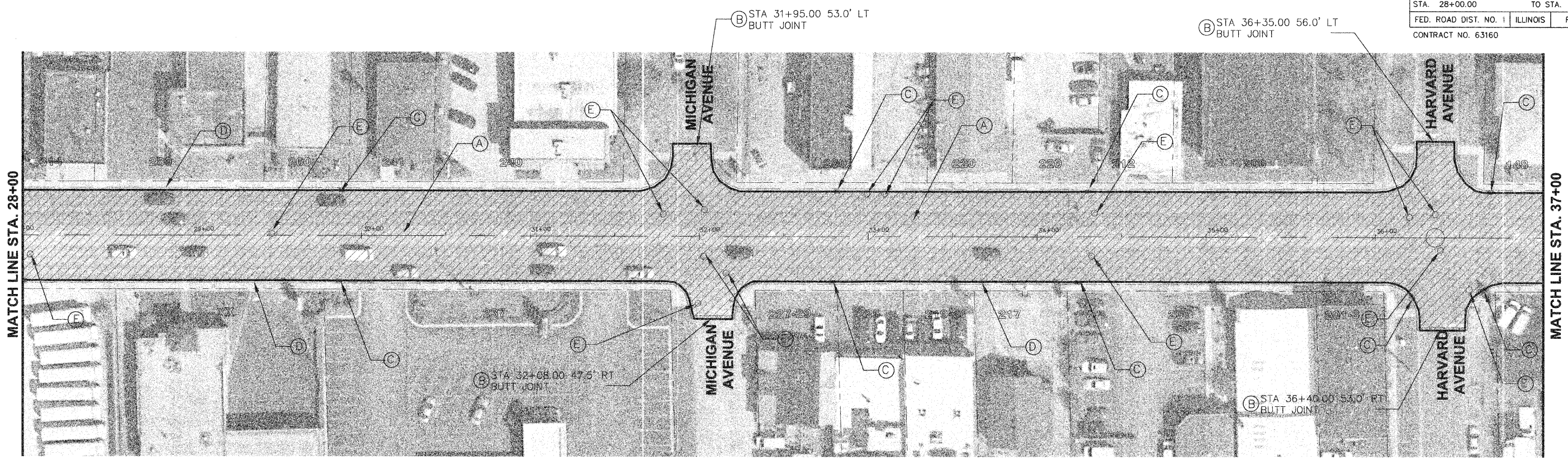
REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
IMPROVEMENT PLAN
ST. CHARLES ROAD
STA 10+25 TO STA 28+00
SHEET 1 OF 5

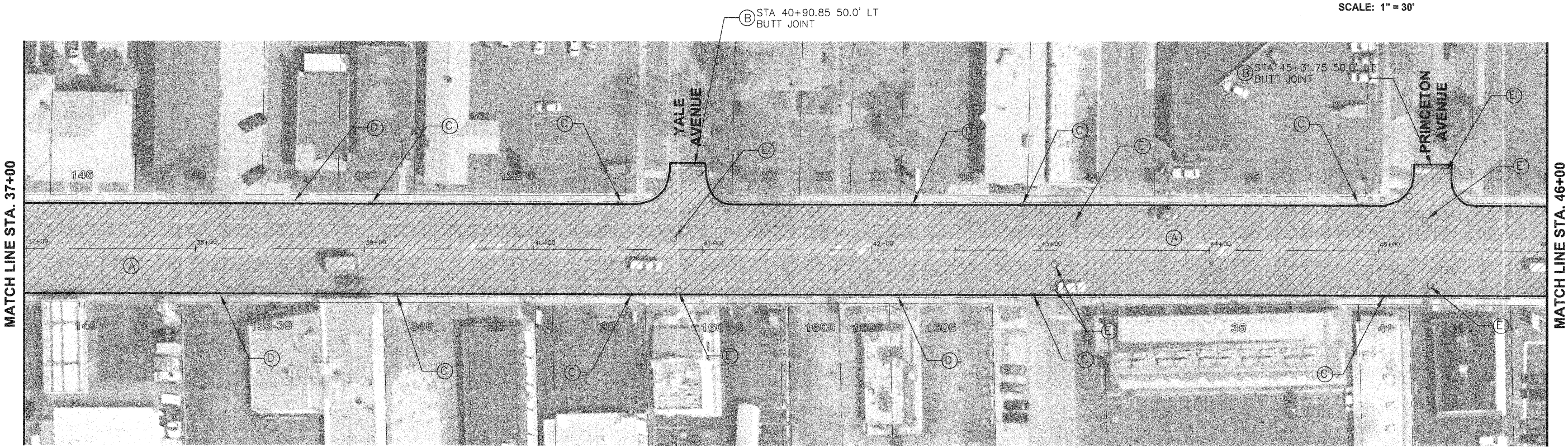
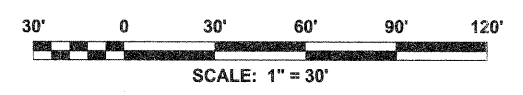
SCALE: 1" = 30"
 DATE: 12/15/2008

DRAWN BY: C.C.
 CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	05
STA. 28+00.00		TO STA. 46+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3" FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT.
- AND
- RESURFACE PAVEMENT FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

- (B) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (C) EXISTING DRAINAGE STRUCTURES AT GUTTER TO REMAIN, NO RIM ADJUSTMENT PROVIDE INLET FILTER DURING PERIOD OF CONSTRUCTION
- (D) EXISTING CURB & GUTTER TO REMAIN
- (E) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TO MATCH NEW PAVEMENT GRADE AS REQUIRED

VILLAGE OF VILLA PARK
ENGINEERING DIVISION

20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696

PHONE (630) 834-8505 FAX (630) 834-8509

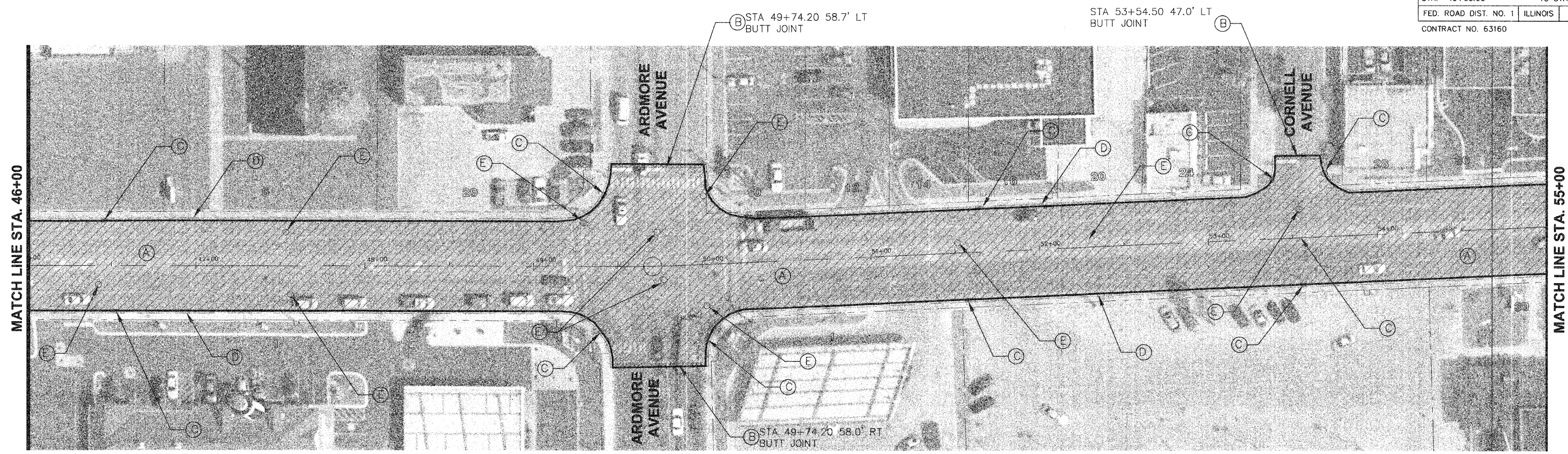
REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
IMPROVEMENT PLAN
ST. CHARLES ROAD
STA 28+00 TO STA 46+00
SHEET 2 OF 5

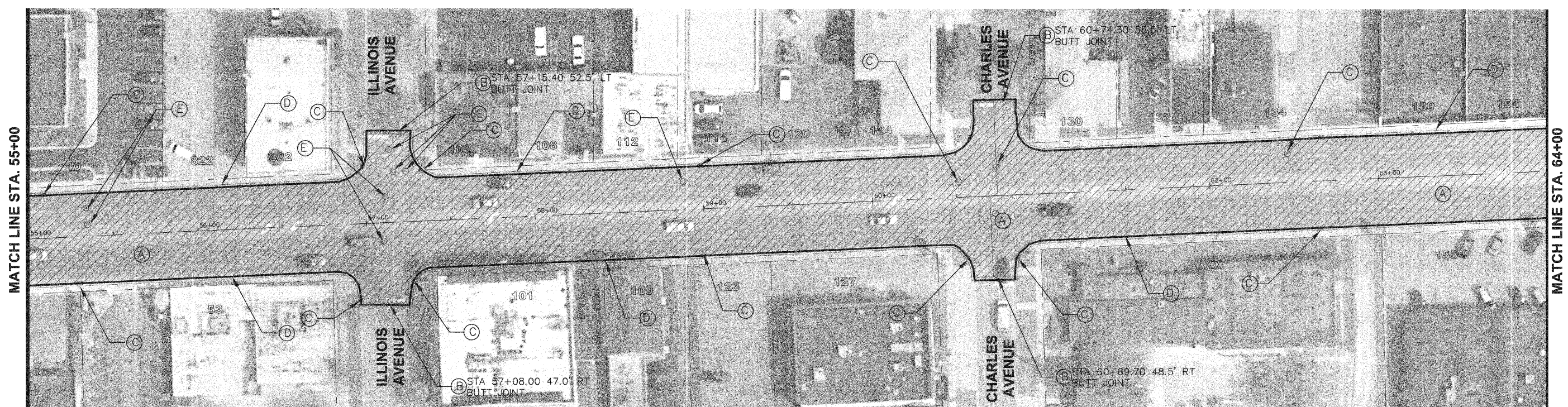
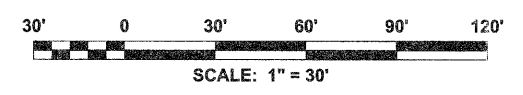
SCALE: 1" = 30'
DATE: 12/15/2008

DRAWN BY: C.C.
CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	06
STA. 46+00.00		TO STA. 64+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3" FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT.
- AND
- RESURFACE PAVEMENT FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

- (B) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (C) EXISTING DRAINAGE STRUCTURES AT GUTTER TO REMAIN, NO RIM ADJUSTMENT PROVIDE INLET FILTER DURING PERIOD OF CONSTRUCTION
- (D) EXISTING CURB & GUTTER TO REMAIN
- (E) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TO MATCH NEW PAVEMENT GRADE AS REQUIRED

VILLAGE OF VILLA PARK
ENGINEERING DIVISION

20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

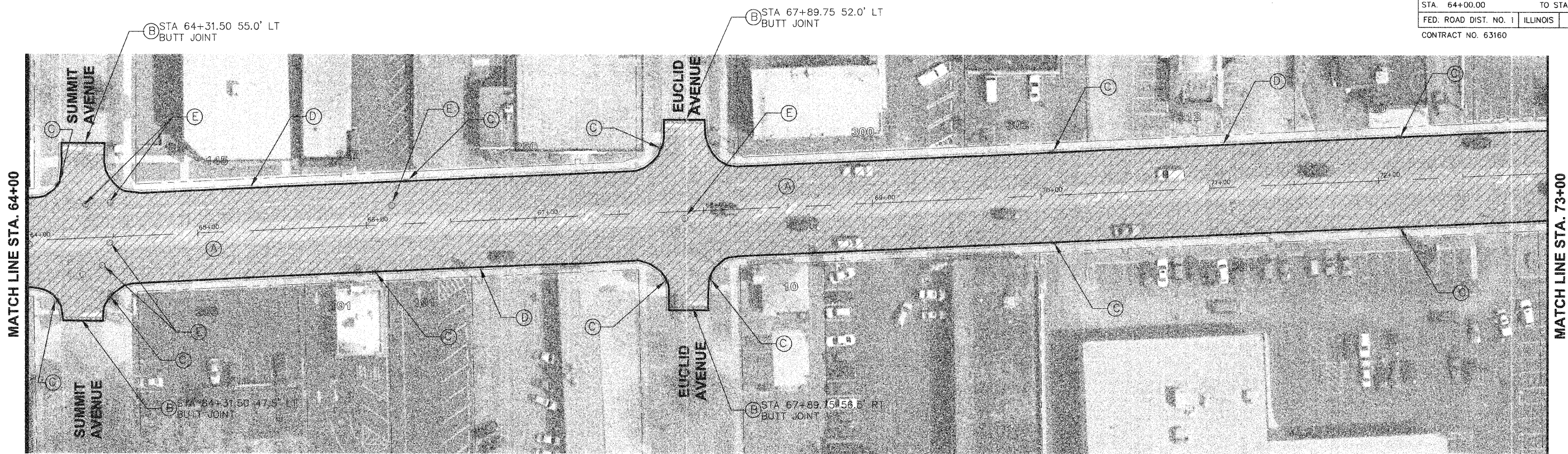
REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
IMPROVEMENT PLAN
ST. CHARLES ROAD
STA 46+00 TO STA 64+00
SHEET 3 OF 5

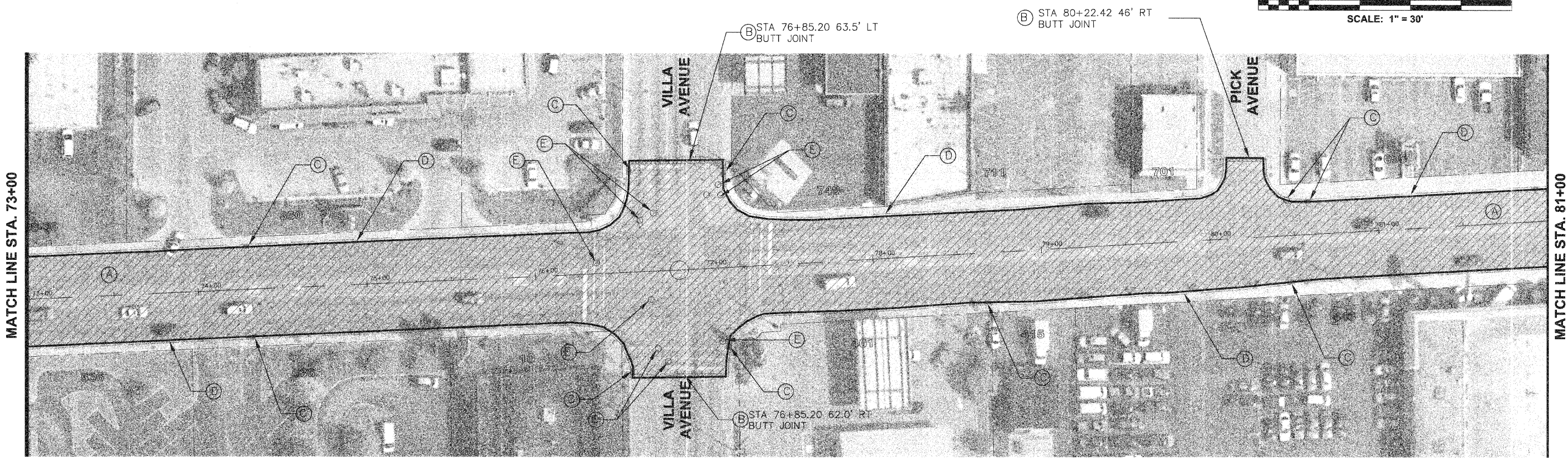
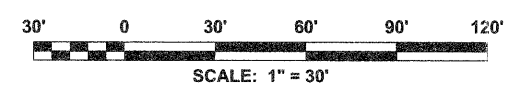
SCALE: 1" = 30'
DATE: 12/15/2008

DRAWN BY: C.C.
CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	07
STA. 64+00.00		TO STA. 81+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS

(A) HOT-MIX ASPHALT SURFACE REMOVAL, 3" FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT.
AND
RESURFACE PAVEMENT FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT
1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

- (B) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (C) EXISTING DRAINAGE STRUCTURES AT GUTTER TO REMAIN, NO RIM ADJUSTMENT PROVIDE INLET FILTER DURING PERIOD OF CONSTRUCTION
- (D) EXISTING CURB & GUTTER TO REMAIN
- (E) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TO MATCH NEW PAVEMENT GRADE AS REQUIRED

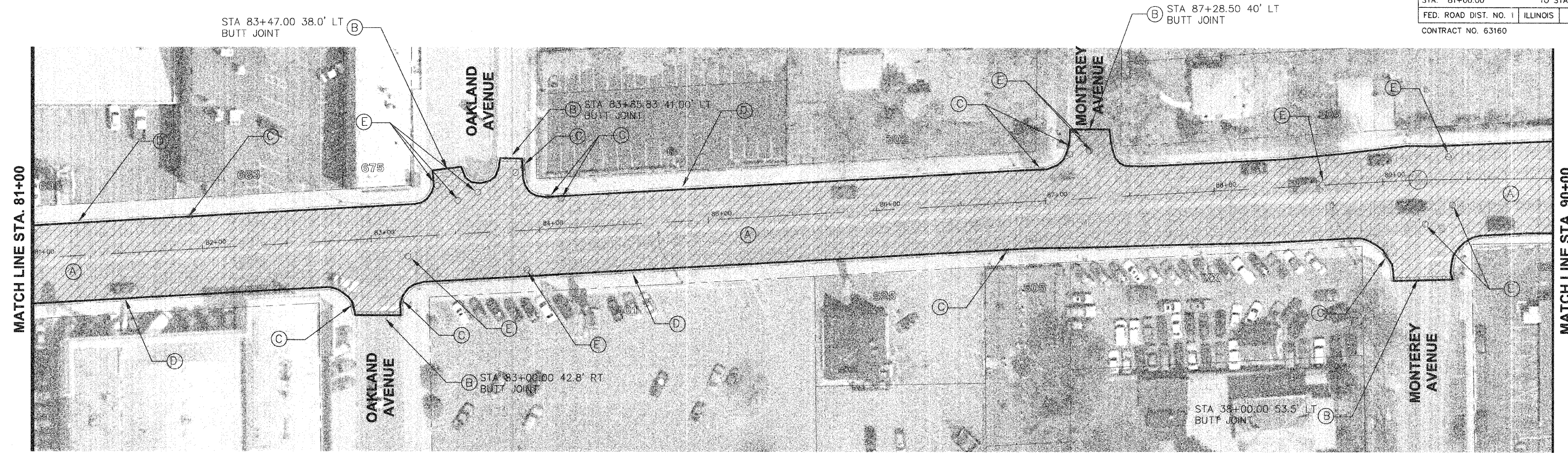


VILLAGE OF VILLA PARK
ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

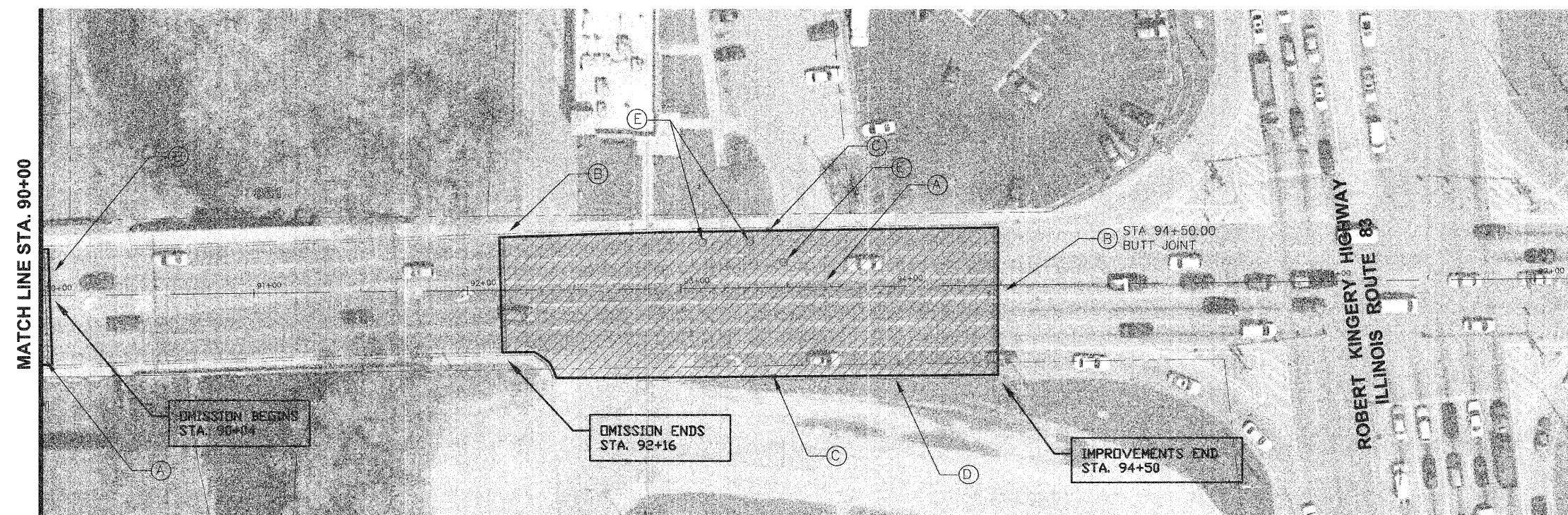
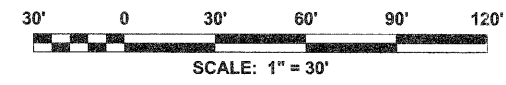
REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
IMPROVEMENT PLAN
ST. CHARLES ROAD
STA 73+00 TO STA 81+00
SHEET 4 OF 5
SCALE: 1" = 30'
DATE: 12/15/2008
DRAWN BY: C.C.
CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-03-R5	DUPAGE	21	08
STA. 81+00.00		TO STA. 94+50.00		
FED. ROAD DIST. NO. I	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS



ST. CHARLES ROAD - PROPOSED IMPROVEMENTS

(A) HOT-MIX ASPHALT SURFACE REMOVAL, 3" FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT.
AND
RESURFACE PAVEMENT FROM EX. EDGE OF PAVEMENT TO EX. EDGE OF PAVEMENT
1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50
2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

- (B) HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- (C) EXISTING DRAINAGE STRUCTURES AT GUTTER TO REMAIN, NO RIM ADJUSTMENT PROVIDE INLET FILTER DURING PERIOD OF CONSTRUCTION
- (D) EXISTING CURB & GUTTER TO REMAIN
- (E) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) TO MATCH NEW PAVEMENT GRADE AS REQUIRED

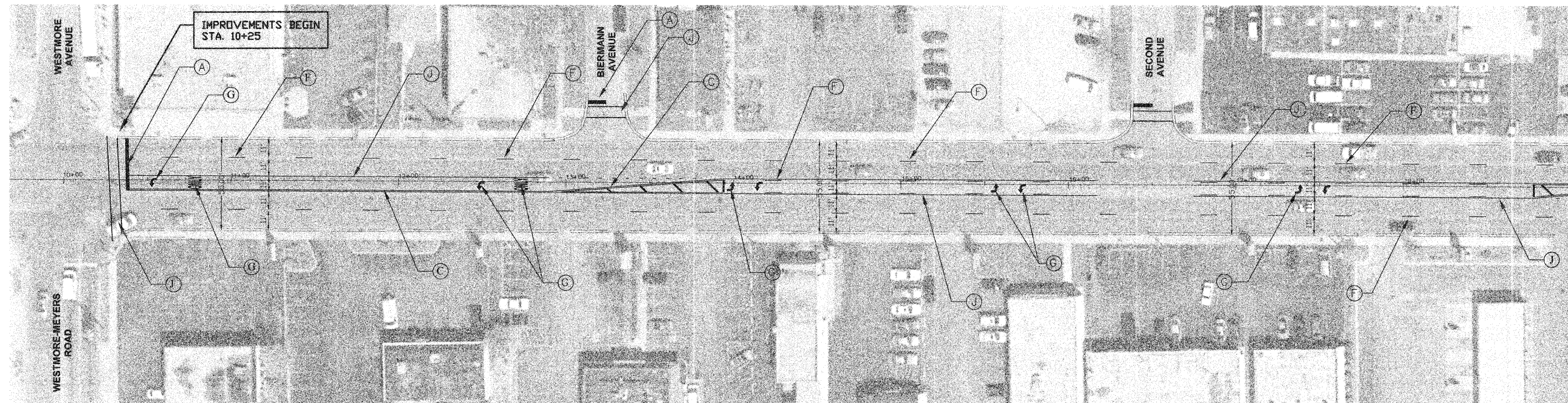


VILLAGE OF VILLA PARK
ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696
PHONE (630) 834-8505 FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

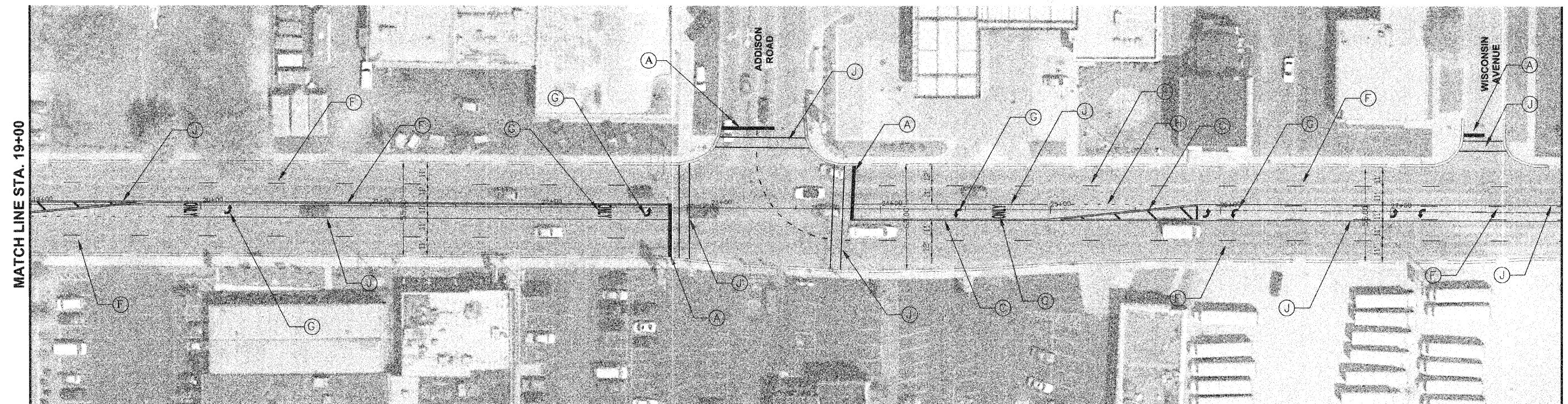
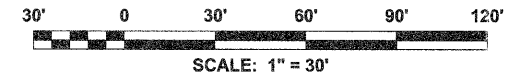
VILLAGE OF VILLA PARK, ILLINOIS
IMPROVEMENT PLAN
ST. CHARLES ROAD
STA 81+00 TO STA 94+50
SHEET 5 OF 5
SCALE: 1" = 30'
DATE: 12/15/2008
DRAWN BY: C.C.
CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	09
STA. 10+25.00		TO STA. 28+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

NOTE: ALL DISTANCES ARE FROM EDGE OF PAVEMENT TO CENTER OF PROPOSED STRIPING.



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (STOP BARS)
- (B) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (C) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4" (DOUBLE YELLOW CENTERLINE)
- (E) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (F) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"
- (J) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"

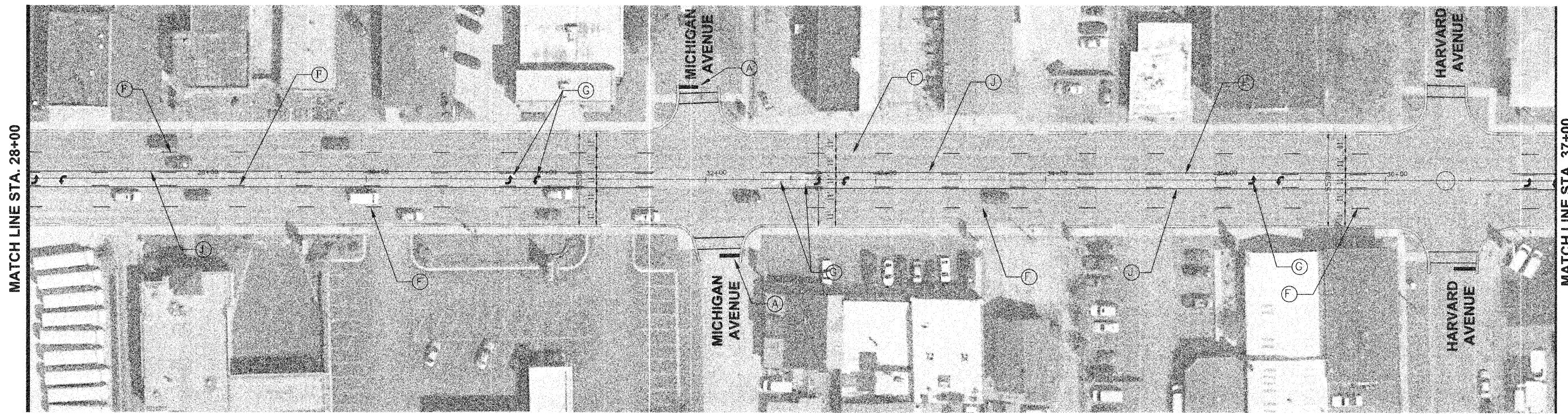


VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

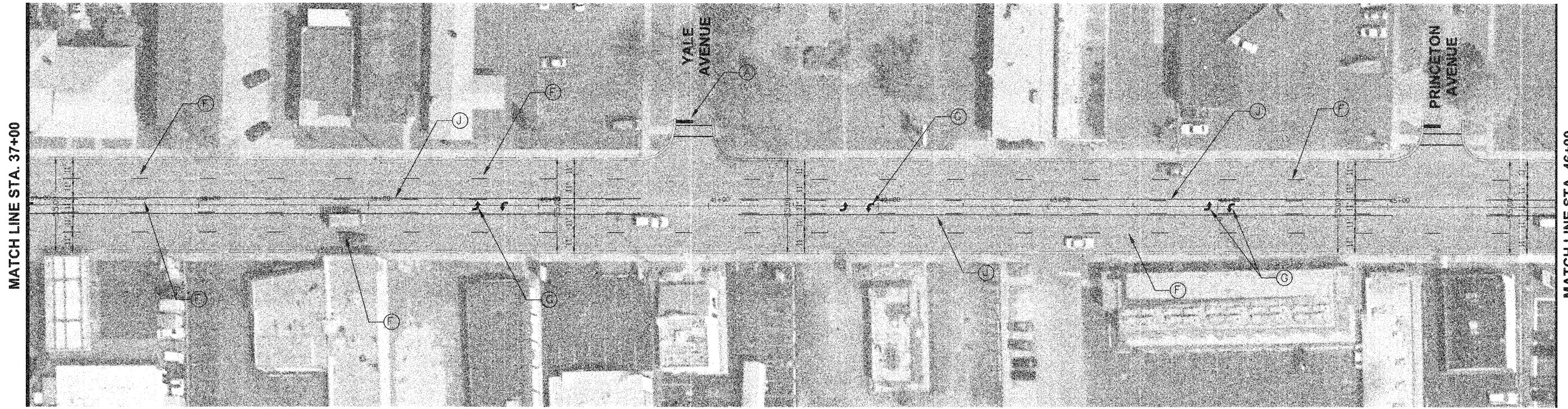
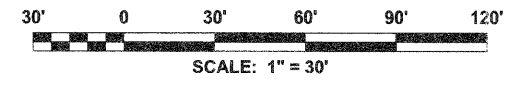
VILLAGE OF VILLA PARK, ILLINOIS
PAVEMENT MARKING PLAN
ST. CHARLES ROAD
STA. 10+25 TO STA. 28+00
SHEET 1 OF 5
 SCALE: 1" = 30"
 DATE: 12/15/2008
 DRAWN BY: C.C.
 CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	10
STA. 28+00.00		TO STA. 46+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

NOTE: ALL DISTANCES ARE FROM EDGE OF PAVEMENT TO CENTER OF PROPOSED STRIPING.



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (STOP BARS)
- (B) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (C) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4" (DOUBLE YELLOW CENTERLINE)
- (E) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (F) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"
- (J) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"



VILLAGE OF VILLA PARK
ENGINEERING DIVISION

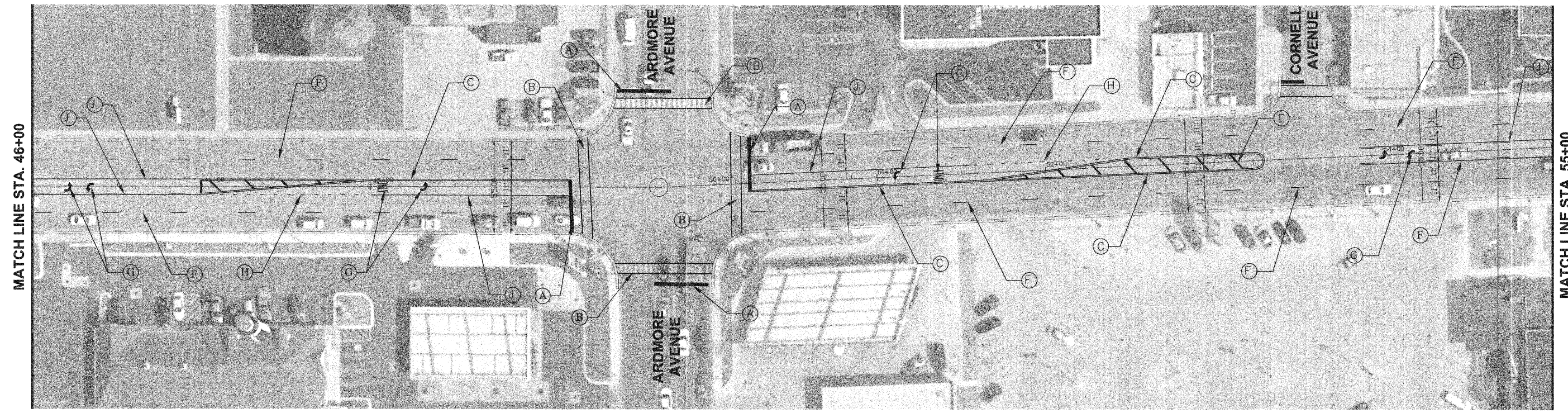
20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696
PHONE (630) 834-8505 FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
PAVEMENT MARKING PLAN
ST. CHARLES ROAD
STA. 28+00 TO STA. 46+00
SHEET 2 OF 5

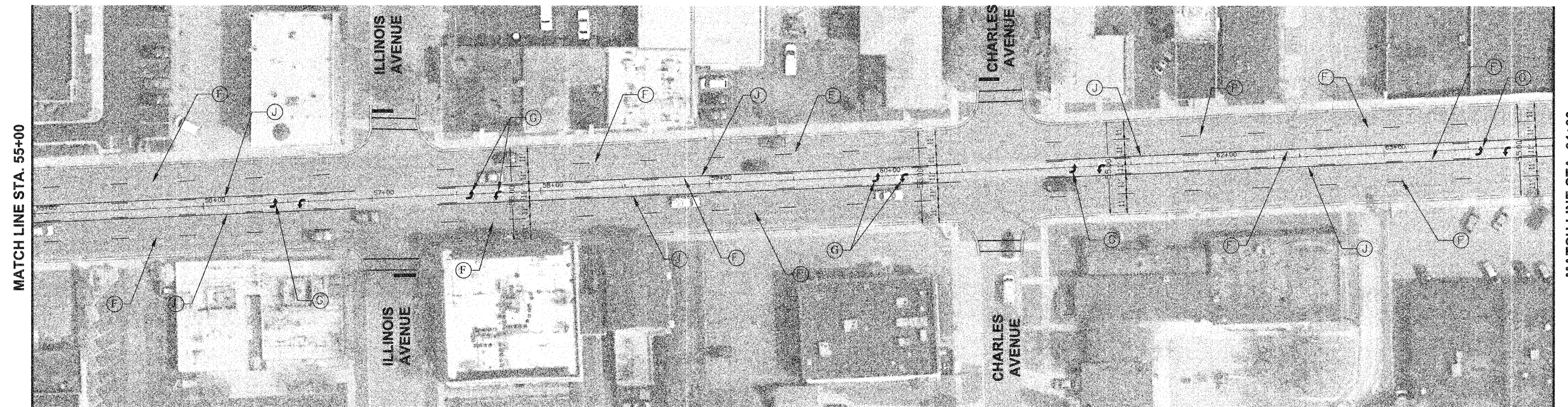
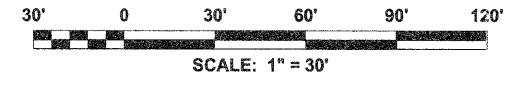
SCALE: 1" = 30'
DATE: 12/15/2008
DRAWN BY: C.C.
CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	11
STA. 46+00.00		TO STA. 64+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

NOTE: ALL DISTANCES ARE FROM EDGE OF PAVEMENT TO CENTER OF PROPOSED STRIPING.



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (STOP BARS)
- (B) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (C) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4" (DOUBLE YELLOW CENTERLINE)
- (E) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (F) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"
- (J) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"



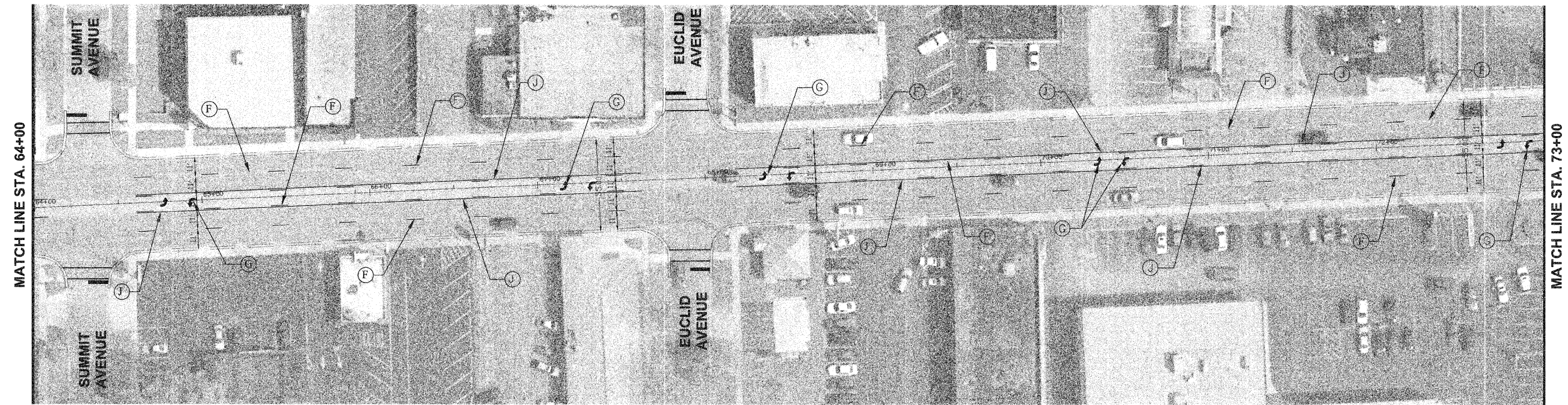
VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
 RICH SALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
PAVEMENT MARKING PLAN
ST. CHARLES ROAD
STA. 46+00 TO STA. 64+00
SHEET 3 OF 5

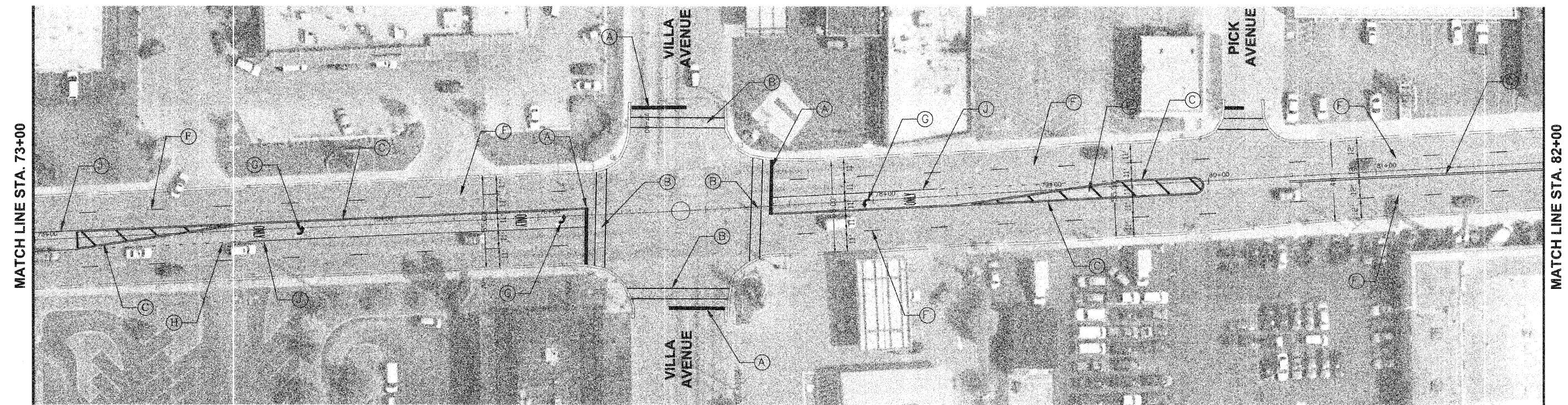
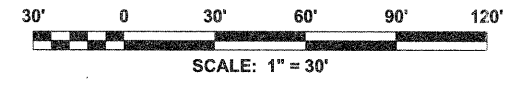
SCALE: 1" = 30'
 DATE: 12/15/2008
 DRAWN BY: C.C.
 CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	12
STA. 64+00.00		TO STA. 82+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

NOTE: ALL DISTANCES ARE FROM EDGE OF PAVEMENT TO CENTER OF PROPOSED STRIPING.



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (STOP BARS)
- (B) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (C) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4" (DOUBLE YELLOW CENTERLINE)
- (E) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (F) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"
- (J) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"

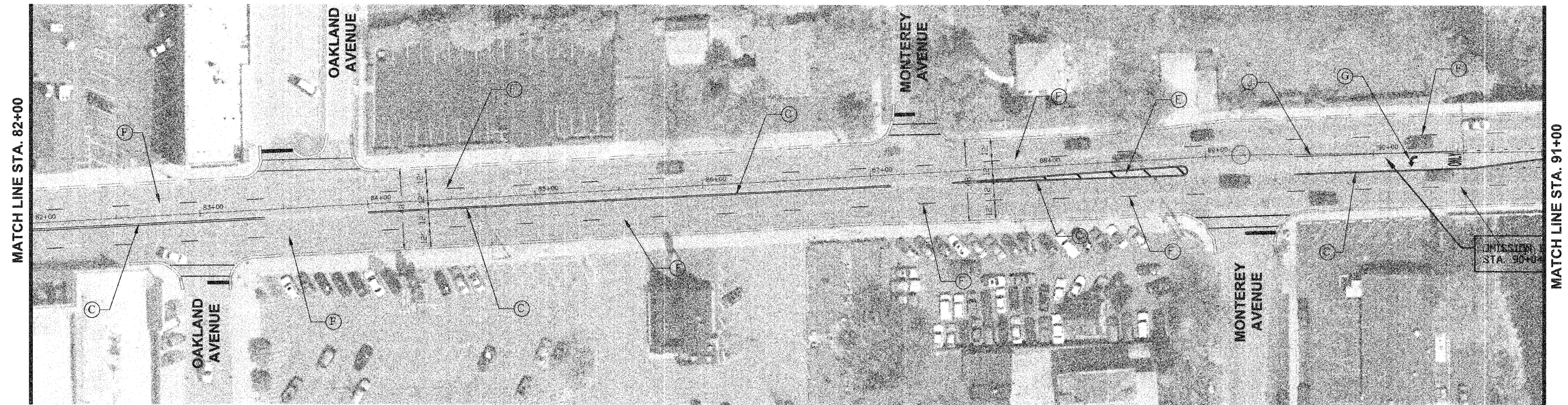


VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

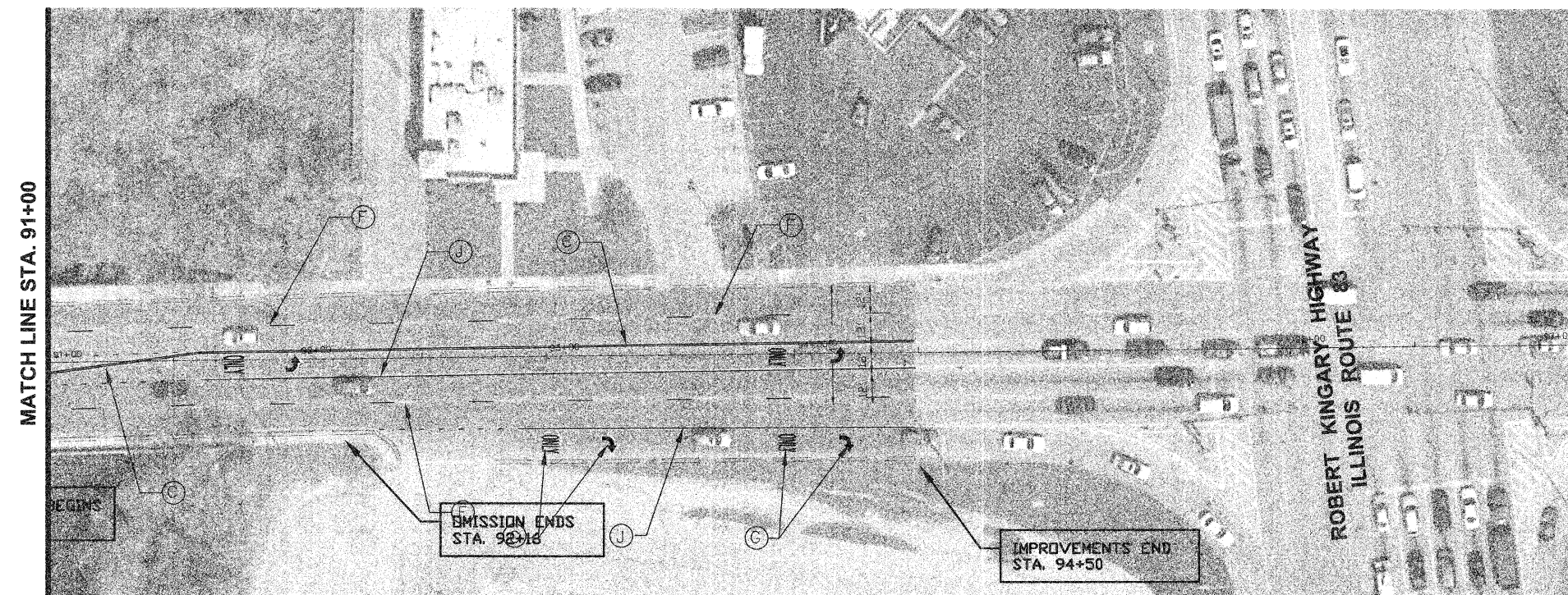
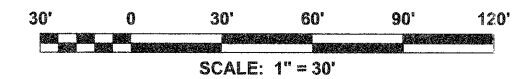
VILLAGE OF VILLA PARK, ILLINOIS
PAVEMENT MARKING PLAN
ST. CHARLES ROAD
STA. 64+00 TO STA. 82+00
SHEET 4 OF 5
 SCALE: 1" = 30"
 DATE: 12/15/2008
 DRAWN BY: C.C.
 CHECKED BY: S.K.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1397	07-00084-00-RS	DUPAGE	21	13
STA. 82+00.00		TO STA. 94+50.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63160				



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKING

NOTE: ALL DISTANCES ARE FROM EDGE OF PAVEMENT TO CENTER OF PROPOSED STRIPING.



ST. CHARLES ROAD - PROPOSED PAVEMENT MARKINGS

LEGEND

- (A) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24" (STOP BARS)
- (B) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (C) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4" (DOUBLE YELLOW CENTERLINE)
- (E) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (F) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"
- (G) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS
- (H) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"
- (J) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"



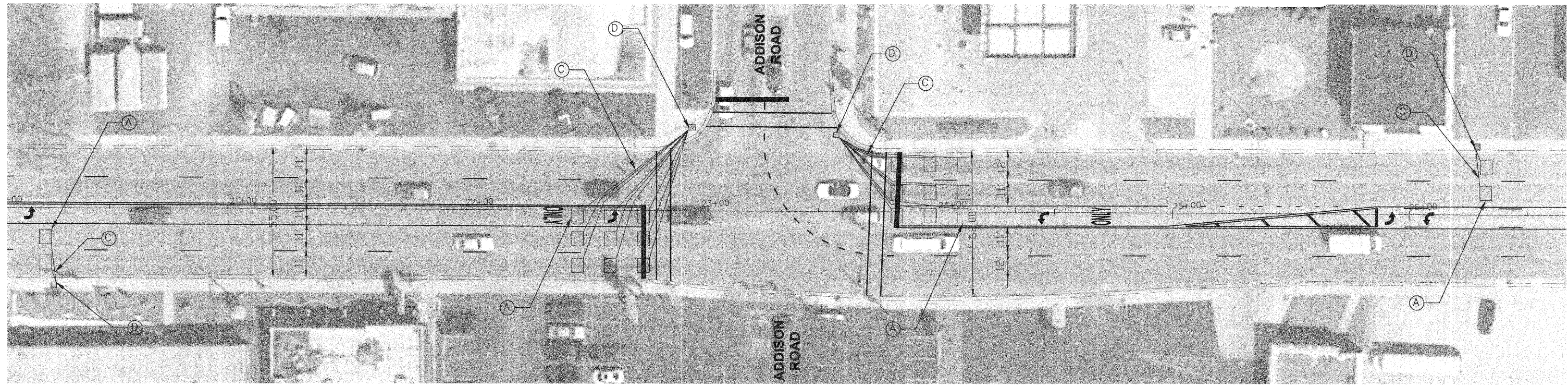
VILLAGE OF VILLA PARK
ENGINEERING DIVISION

20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696
PHONE (630) 834-8505 FAX (630) 834-8509

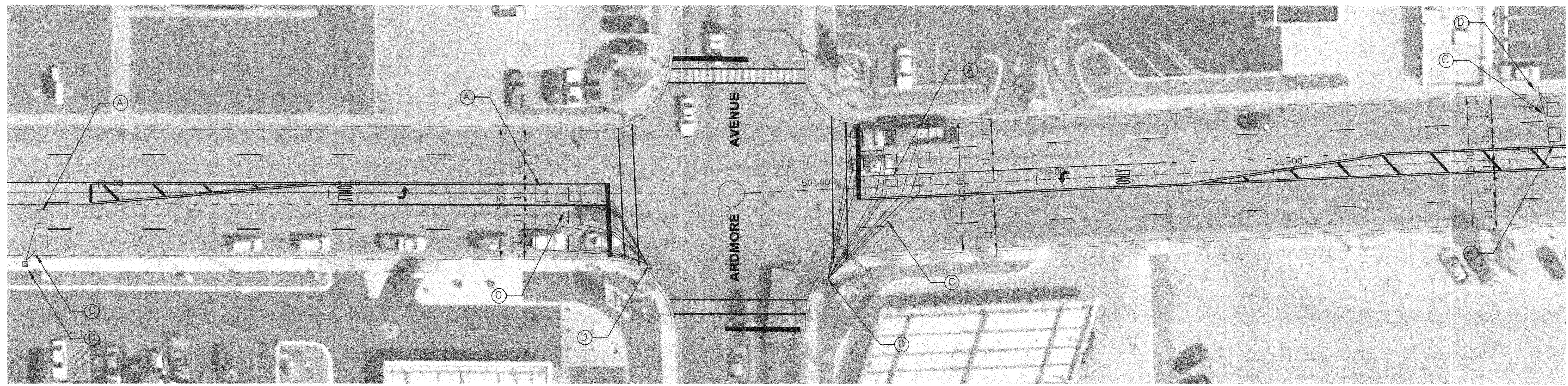
REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
PAVEMENT MARKING PLAN
ST. CHARLES ROAD
STA. 82+00 TO STA. 94+50
SHEET 5 OF 5

SCALE: 1" = 30'
DATE: 12/15/2008
DRAWN BY: C.C.
CHECKED BY: S.K.



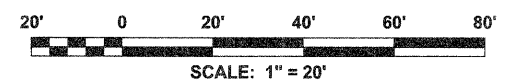
ST. CHARLES ROAD AND ADDISON ROAD - PROPOSED DETECTOR LOOP REPLACEMENT



ST. CHARLES ROAD AND ARDMORE AVENUE - PROPOSED DETECTOR LOOP REPLACEMENT

LEGEND

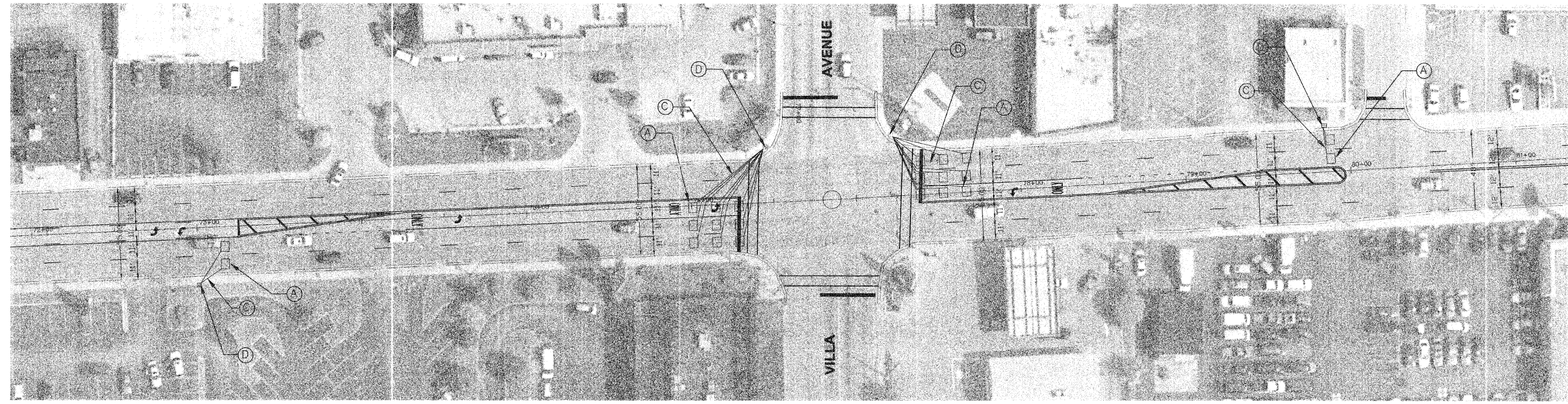
- (A) DETECTOR LOOP REPLACEMENT
- (C) LOOPS WIRING
- (D) CONNECT TO EXISTING TRAFFIC HANDHOLE



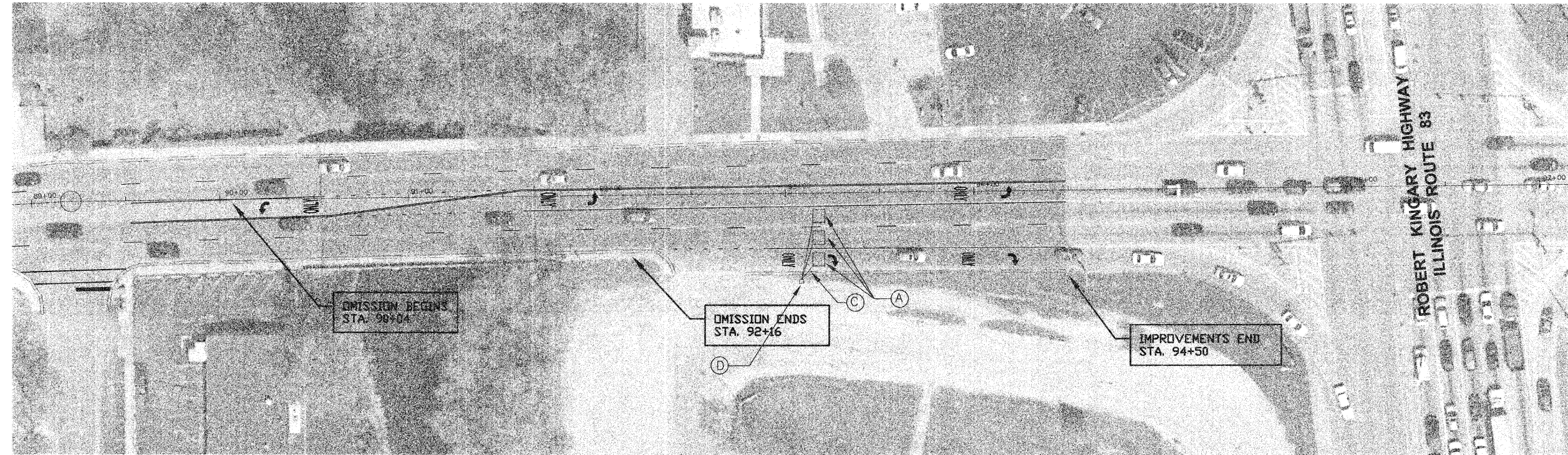
VILLAGE OF VILLA PARK
 ENGINEERING DIVISION
RICH SALERNO - ASSISTANT VILLAGE ENGINEER
 20 SOUTH ARDMORE AVENUE • PHONE (630) 834-8505
 VILLA PARK, ILLINOIS 60181-2696 • FAX (630) 834-8509

REVISIONS	
NAME	DATE
PER IDOT REVIEW	03/27/09

VILLAGE OF VILLA PARK, ILLINOIS
TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT
ST. CHARLES ROAD
SHEET 1 OF 2
 SCALE: 1" = 20"
 DATE: 12/15/2008
 DRAWN BY: C.C.
 CHECKED BY: S.K.



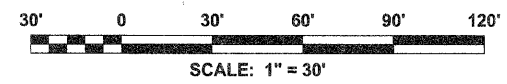
ST. CHARLES ROAD AND VILLA AVENUE - PROPOSED DETECTOR LOOP REPLACEMENT




ST. CHARLES ROAD AND WEST LEG OF ILLINOIS STATE ROUTE 83 - PROPOSED DETECTOR LOOP REPLACEMENT

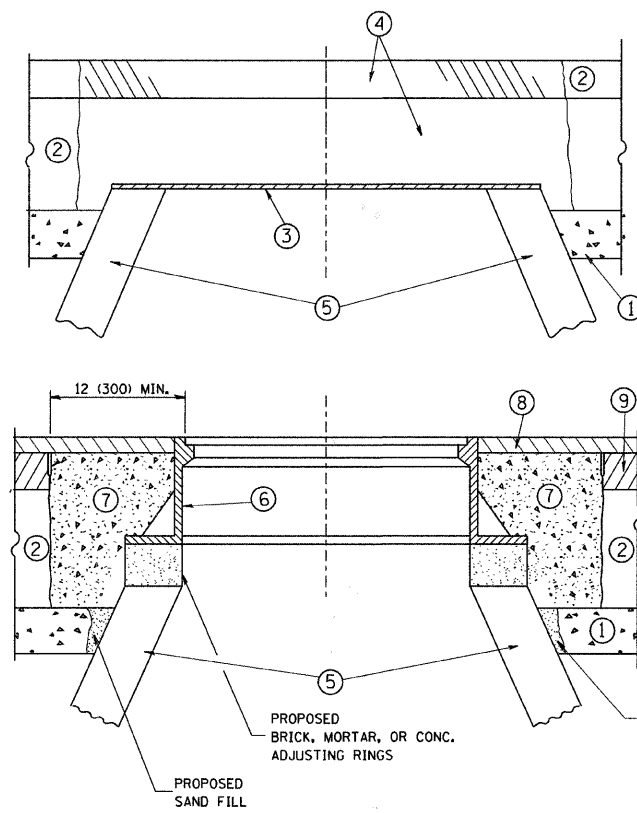
LEGEND

- (A) DETECTOR LOOP REPLACEMENT
- (C) LOOPS WIRING
- (D) CONNECT TO EXISTING TRAFFIC HANDHOLE



 <p>VILLAGE OF VILLA PARK ENGINEERING DIVISION 20 SOUTH ARDMORE AVENUE VILLA PARK, ILLINOIS 60181-2696</p>	<p>PHONE (630) 834-8505 FAX (630) 834-8509</p>	<p>REVISIONS</p>		<p>VILLAGE OF VILLA PARK, ILLINOIS TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT ST. CHARLES ROAD SHEET 2 OF 2</p>
		<p>PER IDOT REVIEW</p>	<p>DATE 03/27/09</p>	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	07-00084-00-RS	DUPAGE	21	16
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

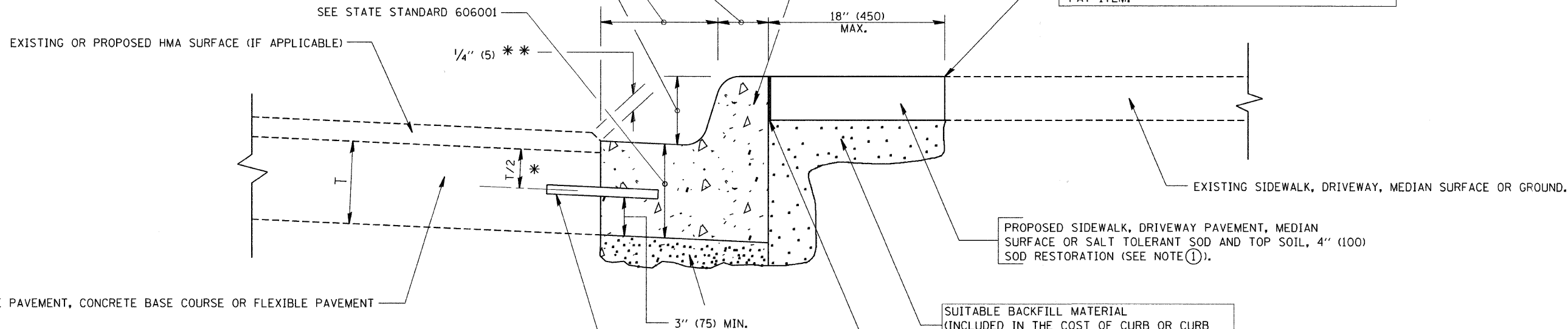
SCALE: VERT. NONE
HORIZ. NONE
DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	07-00084-00-RS	DUPAGE	21	17
STA. NONE		TO STA. NONE		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.



EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. NONE
HORIZ.

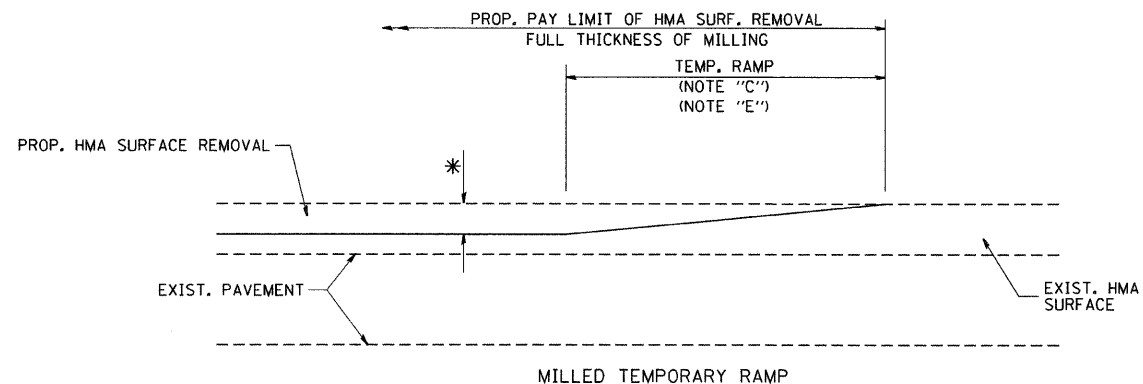
DRAWN BY

CHECKED BY

BD600-06 (BD-24)

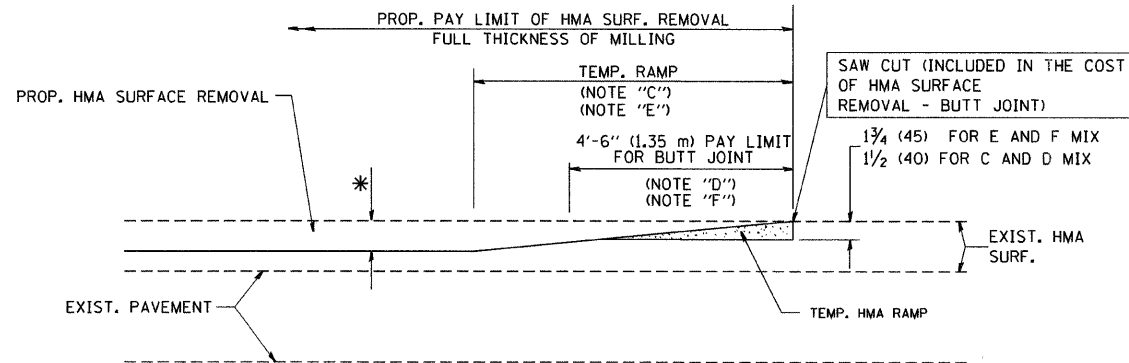
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	07-00084-00-RS	DUPAGE	21	18
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



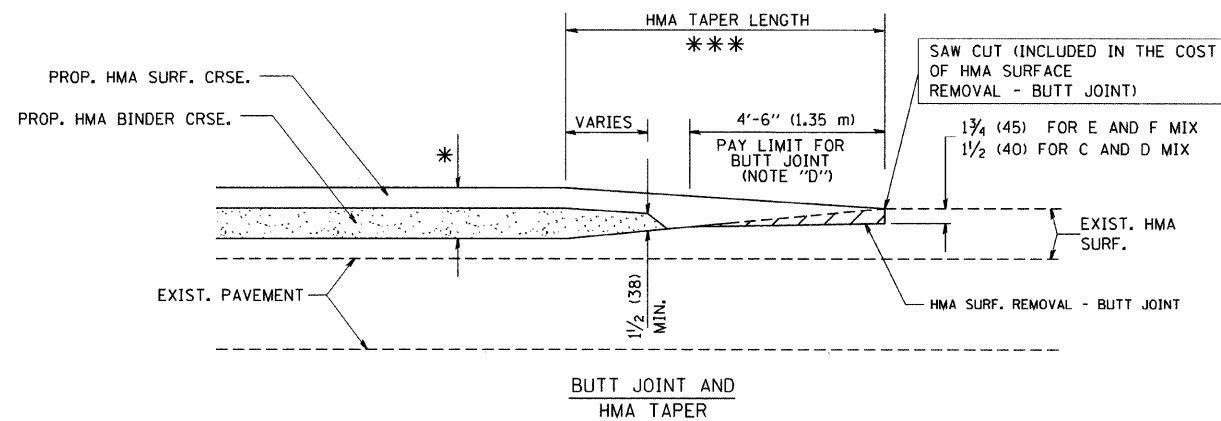
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

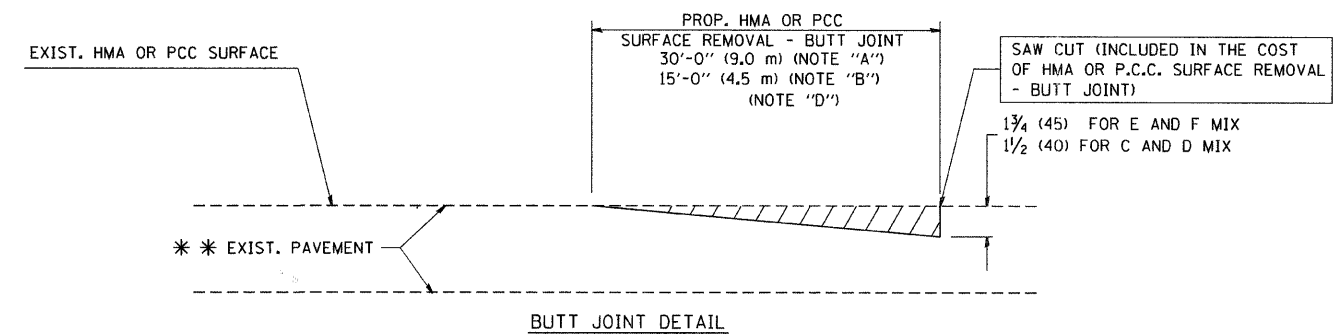


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

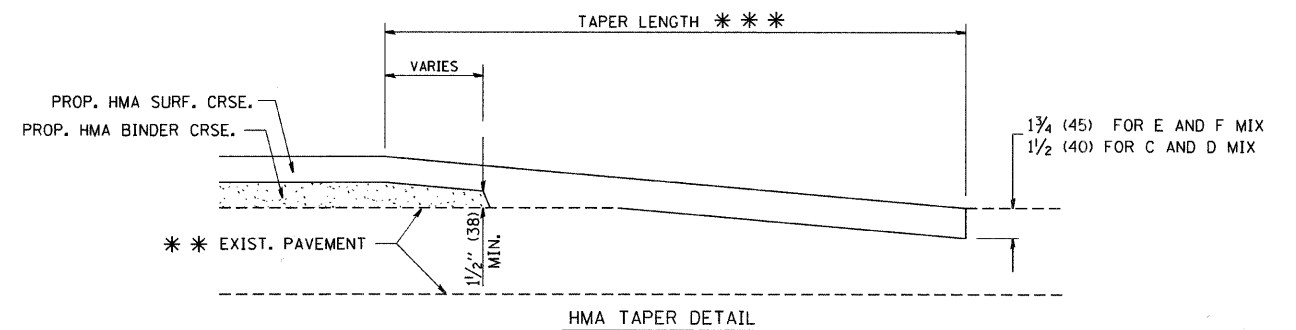
OPTION 2
TYPICAL TEMPORARY RAMP



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	
NAME	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

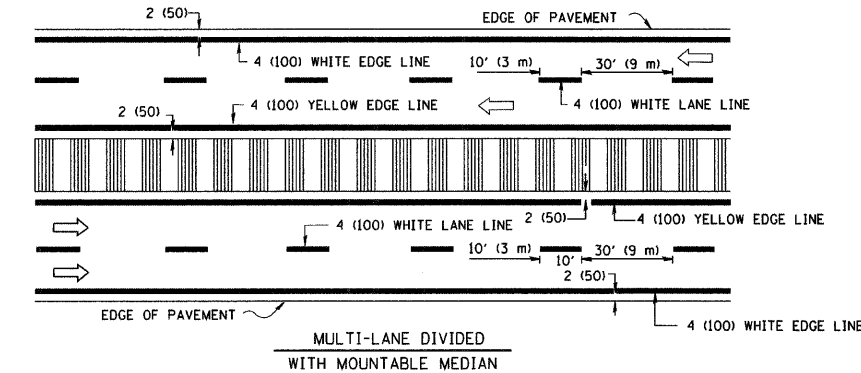
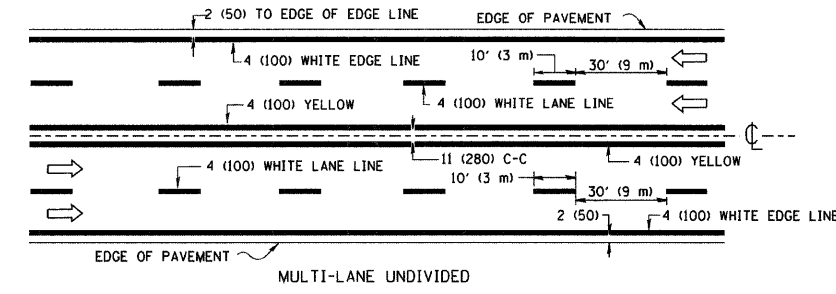
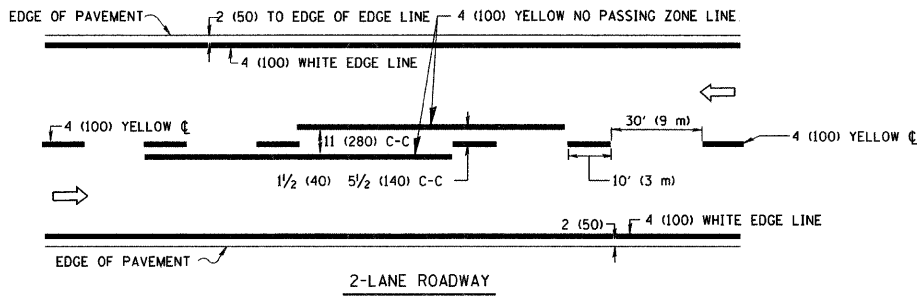
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

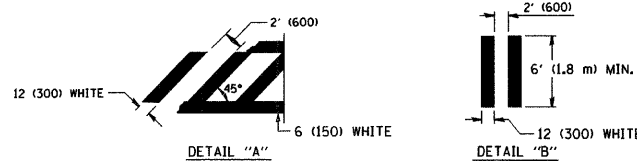
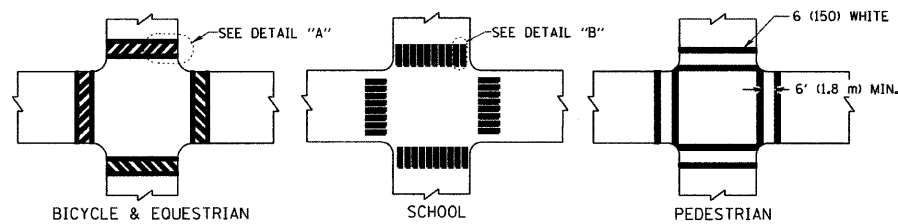
BD400-05 (VI-BD32)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	07-00084-00-RS	DUPAGE	21	20
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

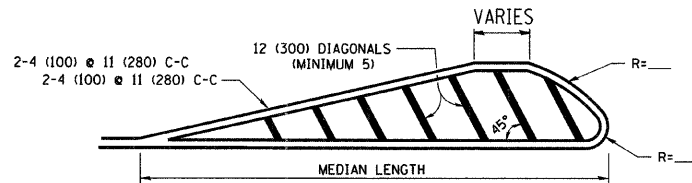
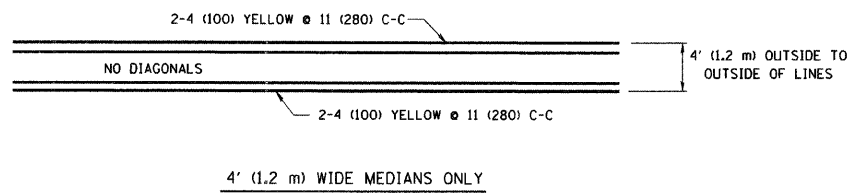


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

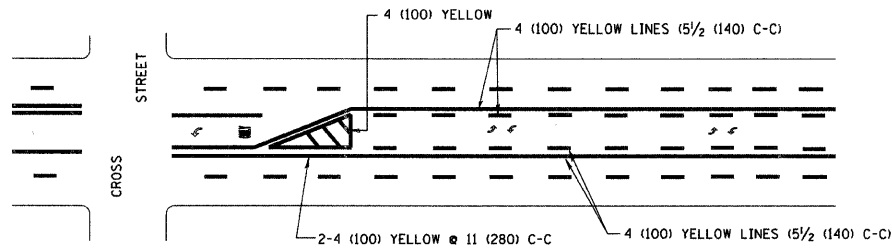


TYPICAL CROSSWALK MARKING

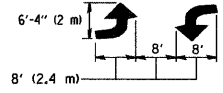


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

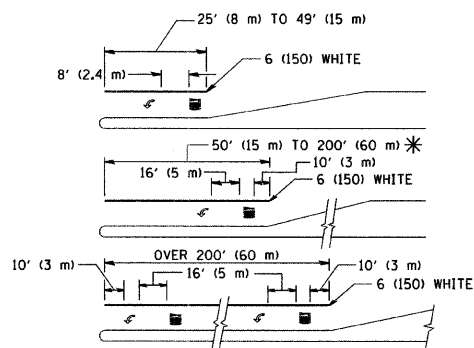


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

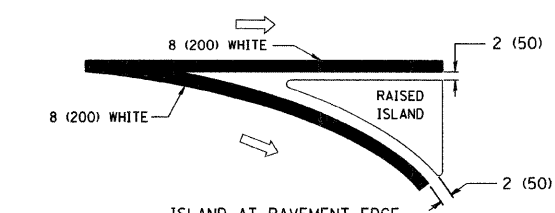
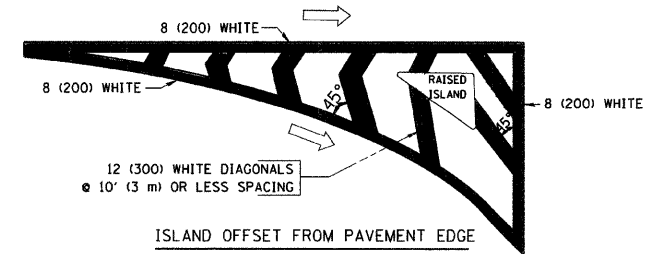


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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) 5 (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 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.

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

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

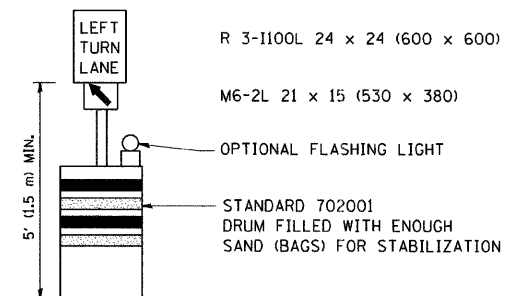
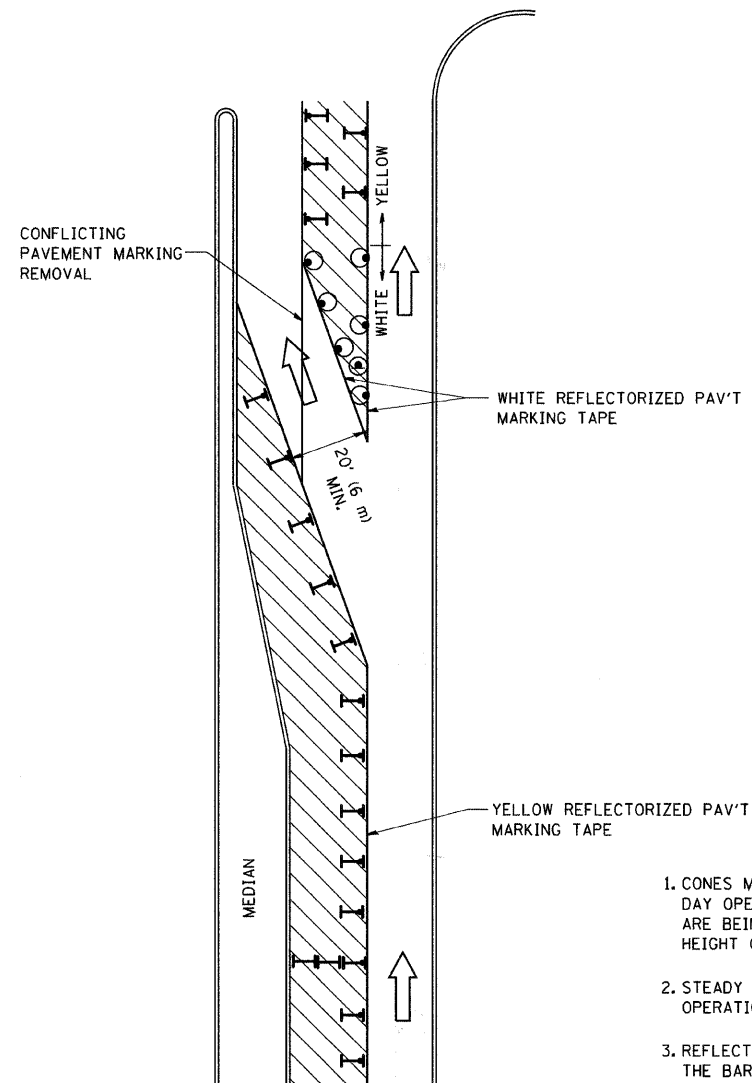
SCALE: NONE DRAWN BY CADD

CHECKED BY

TC-13

PLOT DATE = 2/6/2007
 FILE NAME = K:\Users\jcl3dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = bauer-dl







F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1397	07-00084-00-RS	DUPAGE	21	21
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL AND PROTECTION
 AT TURN BAYS
 (TO REMAIN OPEN TO TRAFFIC)**

SCALE: NONE

DRAWN BY
 CHECKED BY LHA