

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

DESIGN DESIGNATION:
MINKLER ROAD = URBAN COLLECTOR

ADT:
MINKLER ROAD = 2,700 (2009)

POSTED SPEED:
MINKLER ROAD = 45 MPH

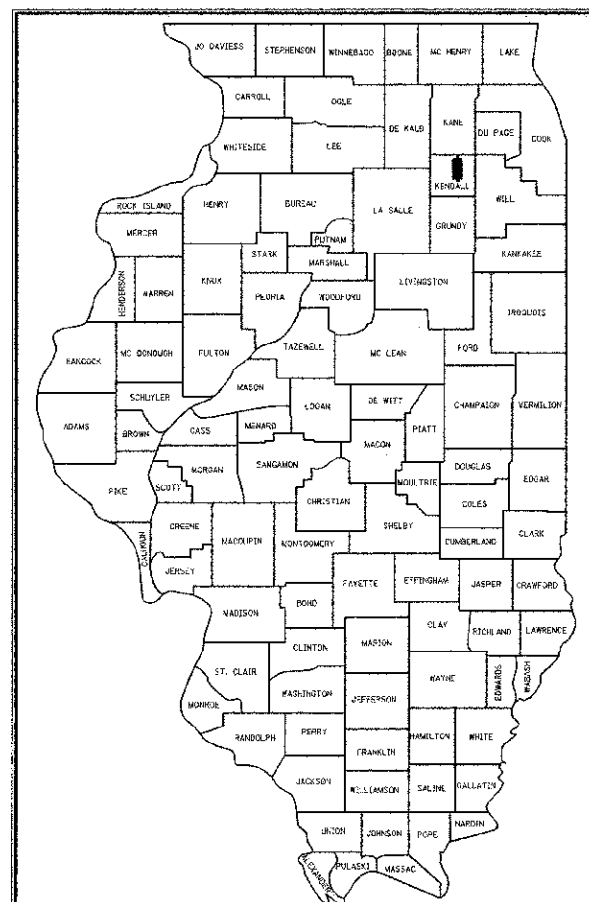
DESIGN SPEED
MINKLER ROAD = 45 MPH

POLICY STATEMENT:
PLANS DESIGNED IN ACCORDANCE WITH THE BUREAU OF LOCAL
ROADS AND STREETS MANUAL.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

STU FUNDING
FAU 3792 MINKLER ROAD
SECTION 11-00043-00-RS
PROJECT M-9003 (877)
RESURFACING
VILLAGE OF OSWEGO
KENDALL COUNTY
C-93-054-12



LOCATION OF SECTION INDICATED THUS: [Black rectangle symbol]



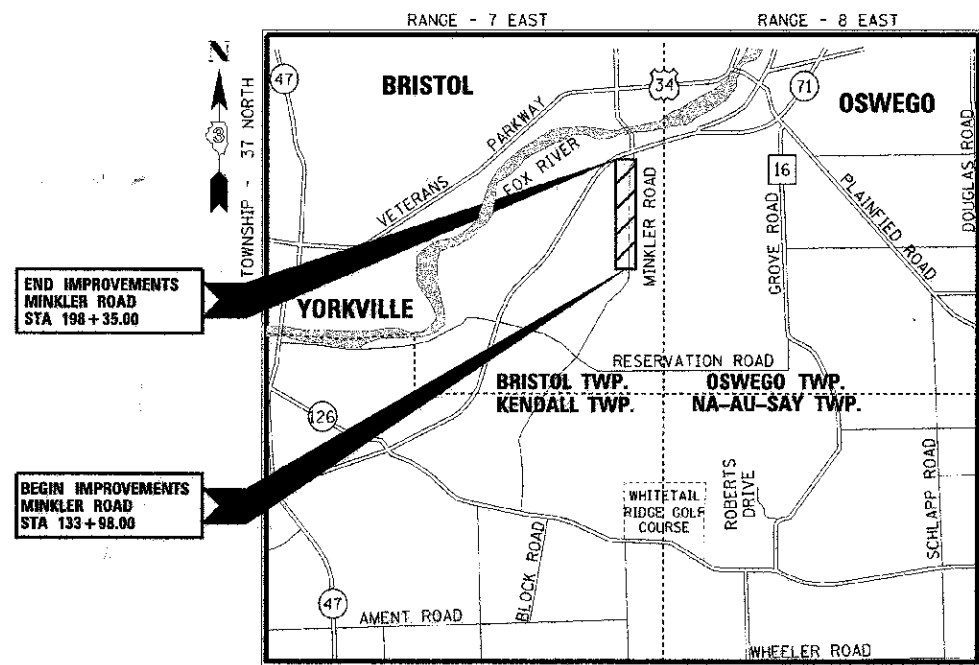
HRGreen.com
Illinois Professional Design Firm
184-001322

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED May 19 20 12
[Signature]
VILLAGE PRESIDENT

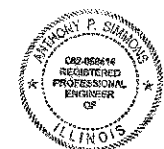
PASSED May 29 20 12
[Signature]
DISTRICT 3 IMPLEMENTATION ENGINEER

RELEASING FOR BID
BASED ON LIMITED
REVIEW May 29 20 12
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER



LOCATION MAP
(NOT TO SCALE)

PROJECT GROSS AND NET LENGTH:
MINKLER ROAD = 6,437.00 FEET (1.219 MILES)



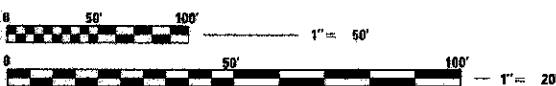
[Signature] 5/21/12
ANTHONY P. SIMMONS, P.E.
NO. 062-058414
EXPIRES: 11/30/13
HR GREEN, INC.

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	NO.	
	BY	
	DATE	

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



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. 87506

BRISTOL TOWNSHIP, SECTIONS 24 & 25, T.37N. - R.7E.

	USER NAME = jrbu	DESIGNED = JMR	REVISED =	VILLAGE OF OSWEGO	COVER SHEET	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
	PLOT SCALE =	CHECKED = JS	REVISED =					3792 11-00043-00-RS KENDALL 9 1
	PLOT DATE = 5/17/2012	DATE = 4/30/12	REVISED =					CONTRACT NO. 87506
	FILE NAME = 289_cav01.dgn	REVISED =						

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5-7 ROADWAY PLANS
- 8-9 MISCELLANEOUS DETAILS

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701006-03 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 101901-02 TRAFFIC CONTROL DEVICES
- 180601-03 TYPICAL PAVEMENT MARKINGS
- 181001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

PAVING

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME RATE OF SUPERELEVATION.

MISCELLANEOUS

ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE CONTRACT.

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET AND DRIVEWAY ACCESS TO EACH ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

PATCHING QUANTITIES GIVEN ARE BASED ON A FIELD REVIEW, ACTUAL QUANTITY AND LOCATION TO BE DETERMINED BY THE ENGINEER. CLASS D PATCHES SHALL MATCH EXISTING PAVEMENT THICKNESS

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

TYPE I AND TYPE II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING PRIME COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS AND ALL LOOSE MATERIAL.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD (ON HMA)
	0.375	GAL / SQ YD (ON AGGREGATE)
	0.05	GAL / SQ YD (FOG COAT) *
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA MIXTURES	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION

* BETWEEN ADDITIONAL HMA LIFTS

HMA MIXTURE REQUIREMENTS

	HMA CLASS D PATCHES	HMA LEVEL BINDER	HMA SURFACE
PG GRADE	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE			MIXTURE C
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORRELATION

MATERIAL SHALL BE COMPACTED TO 93.0 - 97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE, THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QA/QC SPECIFICATION.

PLAN SHEETS
 NOTED
 DATE

PROFILE SHEETS
 NOTED
 DATE

DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	

DATE	
BY	
REVISION	
NOTED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	

CODE NUMBER	PAY ITEM	UNIT	ROADWAY 80% FEDERAL 20% LOCAL 0005
40800100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2542
40600300	AGGREGATE (PRIME COAT)	TON	64
40800625	LEVELING BINDER (MACHINE METHOD), N50	TON	890
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	623
40803310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1329
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	15564
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	1185
46101200	AGGREGATE SHOULDERS, TYPE B	TON	353
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1950
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	217
△	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32
△	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16335
△	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1380
△	78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	157
△	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	69
△	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30
△	78100100 RAISED REFLECTIVE PAVEMENT MARKER	EACH	80
	78300100 PAVEMENT MARKING REMOVAL	SQ FT	230
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	80
△ *	88600600 DETECTOR LOOP REPLACEMENT	FOOT	50
*	X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ FT	217
*	X7010216 TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

△ INDICATES SPECIALTY ITEM.
* SEE SPECIAL PROVISIONS.



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Since Professional Design Firm
194-001922

USER NAME - hfeller	DESIGNED - JMR	REVISED -
PLOT SCALE - 1/8"=1'-0"	CHECKED - JS	REVISED -
PLOT DATE - 5/21/2012	DATE - 4/30/12	REVISED -
FILE NAME - 288_surr1.dgn		REVISED -

VILLAGE OF OSWEGO

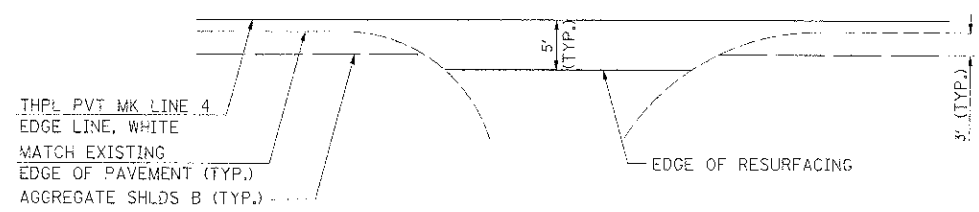
SUMMARY OF QUANTITIES

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CONTRACT NO. 87596				

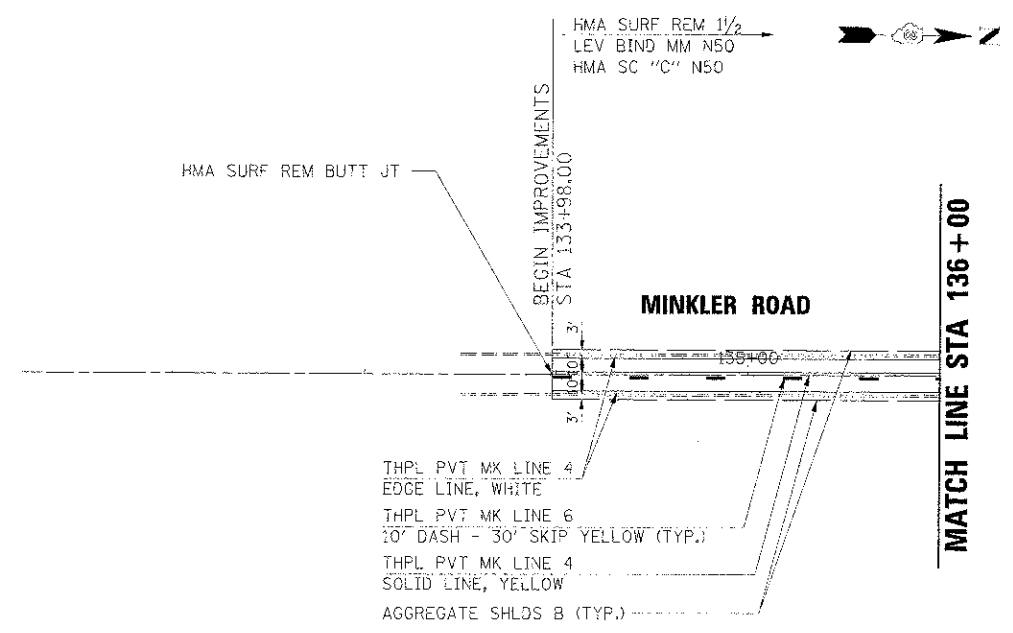


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CHECKED	
DESIGNED	
IN CHARGE	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	

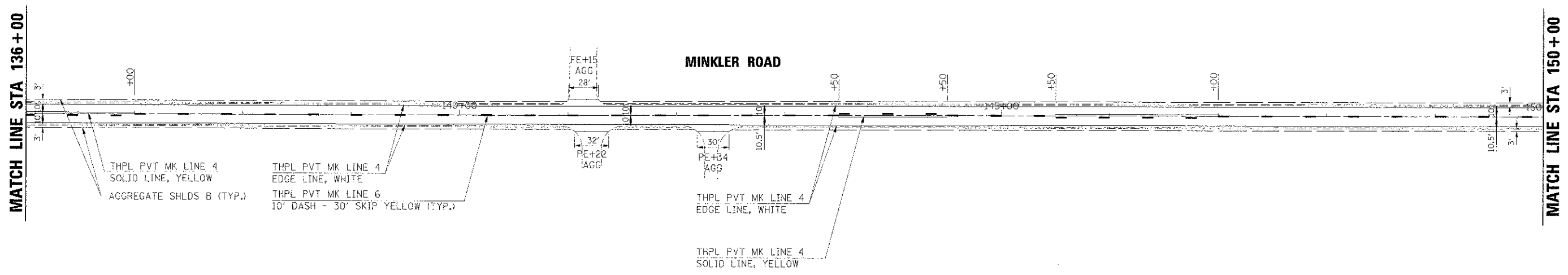


TYPICAL DRIVEWAY DETAIL

HUNT CLUB
ELEMENTARY SCHOOL



DATE	
BY	
CHECKED	
DESIGNED	
IN CHARGE	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	



VILLAGE OF OSWEGO

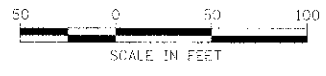
ROADWAY PLAN
MINKLER ROAD
STA 133+98 TO STA 150+00

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3792	11-00043-00-RS	KENDALL	9	5
CONTRACT NO. 87906				

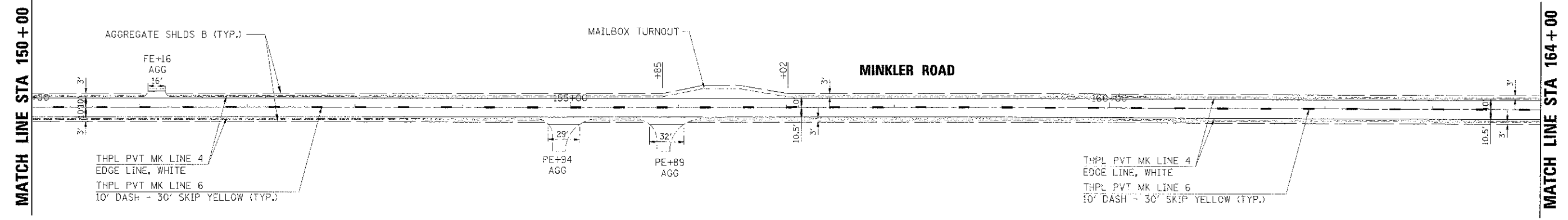


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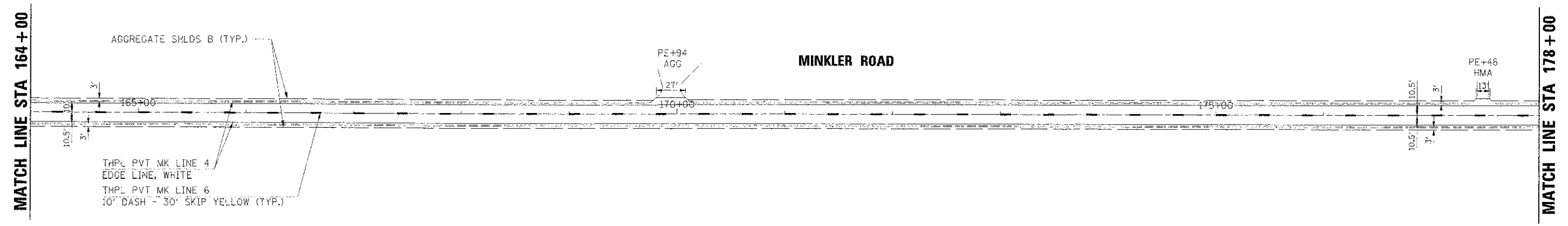
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REVISED	
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PROFILE	DATE
REVISED	
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BY	
DATE	



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Illinois Professional Design Firm
#184-011322

USER NAME: McEllan
PROJECT: MINKLER ROAD
PROJECT DATE: 5/25/12
USER NAME: cp@hrg.com

DESIGNED - JMR
CHECKED - JS
DATE - 4/30/12

REVISED -
REVISED -
REVISED -
REVISED -

VILLAGE OF OSWEGO

**ROADWAY PLAN
MINKLER ROAD
STA 150+00 TO STA 178+00**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3792	11-00043-00-RS	KENDALL	9	6
CONTRACT NO. 87506				



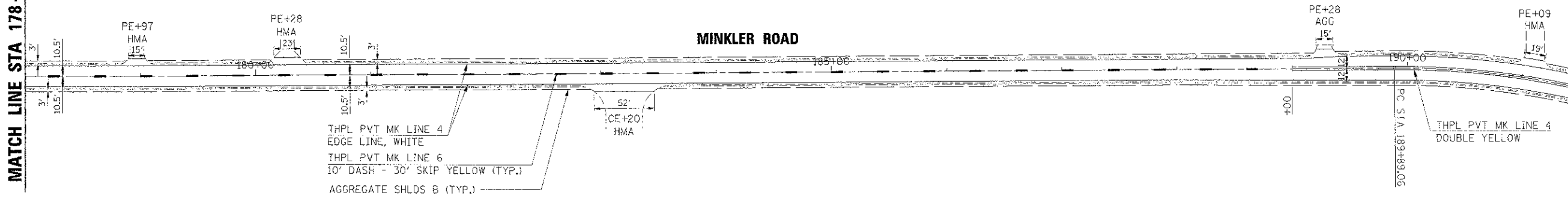
DOUD
CEMETARY

MATCH LINE STA 192+00

MATCH LINE STA 178+00

MINKLER ROAD

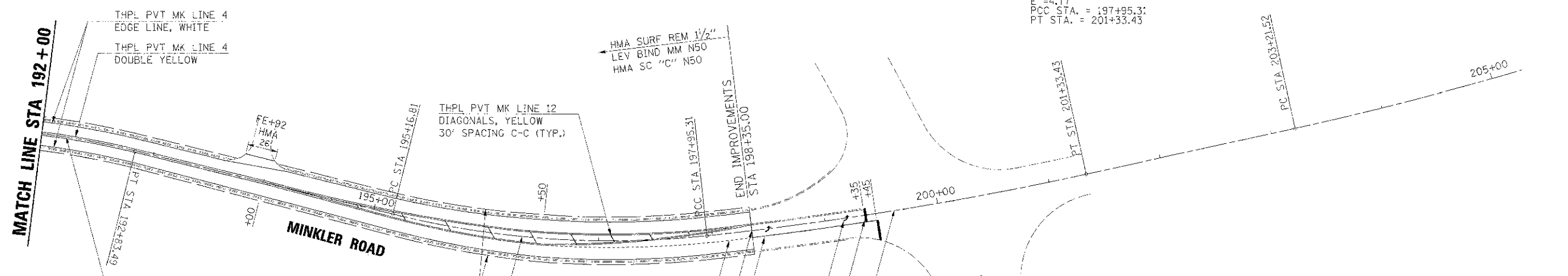
PLAN	DATE
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS



THPL PVT MK LINE 4
EDGE LINE, WHITE
THPL PVT MK LINE 6
10' DASH - 30' SKIP YELLOW (TYP.)
AGGREGATE SHLDS B (TYP.)

THPL PVT MK LINE 4
DOUBLE YELLOW

MATCH LINE STA 192+00



CURVE EXMINK-7
PI STA. = 199+64.55
DELTA = 6° 27' 27.59" (L.T.)
R = 3,000.00
T = 169.24
L = 338.12
E = 4.77
PCC STA. = 197+95.31
PT STA. = 201+33.43

CURVE EXMINK-5
PI STA. = 191+38.49
DELTA = 24° 05' 57.58" (RT)
R = 700.00
T = 149.42
L = 294.43
E = 15.77
e = 2.0% *
S.E. RUNOFF = 44' *
T.R. = 44' *
PC STA. = 189+89.06
PT STA. = 192+83.49

CURVE EXMINK-6
PI STA. = 196+57.48
DELTA = 19° 56' 44.64" (LT)
R = 800.00
T = 140.67
L = 278.49
E = 12.27
e = 2.0% *
S.E. RUNOFF = 44' *
T.R. = 44' *
PC STA. = 195+16.81
PT STA. = 197+95.31

* SUPERELEVATION DATA IS APPROXIMATE.
MATCH EXISTING PAVEMENT CROSS-SLOPE
IN SUPERELEVATED AND TRANSITION AREAS.

THPL PVT MK LINE 8
2' DASH - 6' SKIP WHITE
HMA SURF REM BUTT JT
THPL PVT MK LINE 8
LANE LINE, WHITE
THPL PVT MK LTR & SYM
TURN ARROW, WHITE
15.6 SQ. FT. (TYP.)
THPL PVT MK LINE 24
STOP BAR, WHITE (TYP.)
CURVE EXMINK-7

PROJ. I.F.	DATE
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS



DESIGNED - JMR
CHECKED - JS
DATE - 4/30/12

REVISIONS
NO. DESCRIPTION
1. 4/30/12

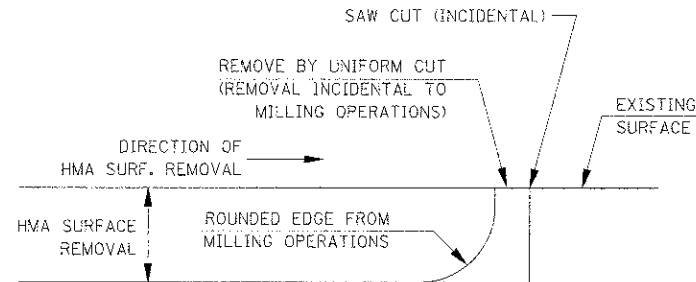
VILLAGE OF OSWEGO

ROADWAY PLAN
MINKLER ROAD
STA 178+00 TO STA 198+35

SCALE: SHEET NO. OF SHEETS STA. TO STA.

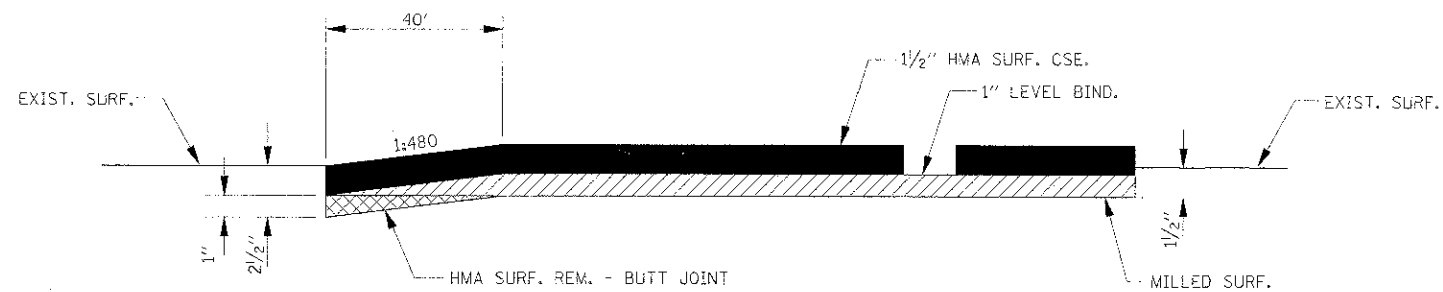
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3792	11-00043-00-RS	KENDALL	9	7
CONTRACT NO. 07506				

DATE	
BY	
REVISION	
APPROVED	
PROJECT	
NO. OF SHEETS	
DATE CHECKED	
BY	
DATE	



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



DATE	
BY	
REVISION	
APPROVED	
PROJECT	
NO. OF SHEETS	
DATE CHECKED	
BY	
DATE	



USER NAME = MFuller
 PLOT SCALE = ASST. SCALE
 PLOT DATE = 5/23/2012
 FILE NAME = 208_dett@l.dgn

DESIGNED - JMR
 CHECKED - JS
 DATE - 4/30/12

REVISED -
 REVISED -
 REVISED -
 REVISED -

VILLAGE OF OSWEGO

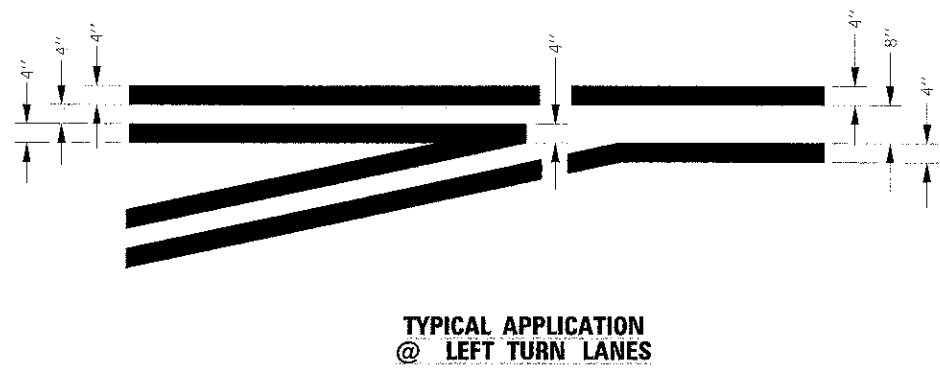
**MISCELLANEOUS DETAILS
 (SHEET 1 OF 2)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

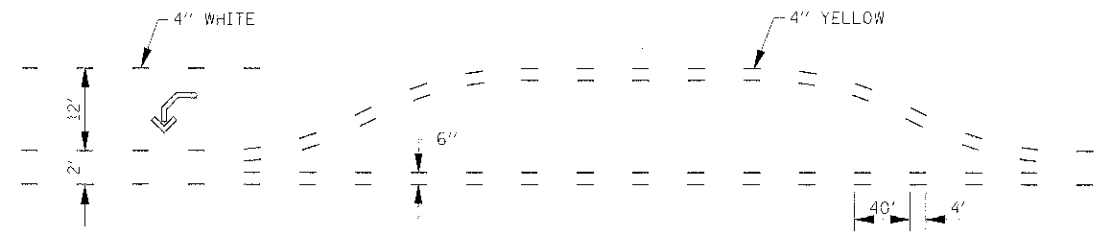
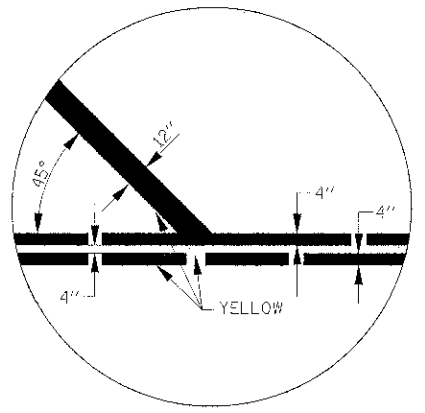
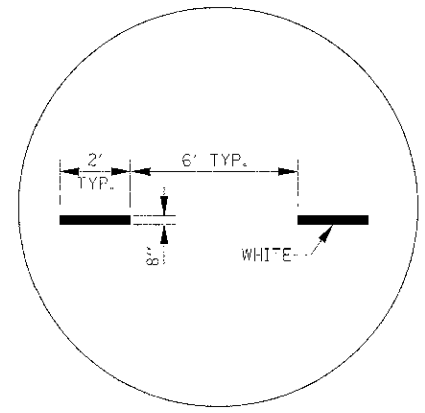
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CONTRACT NO. 87506				

PLAN	DATE
REVISIONS	
BY	
CHECKED	
DATE	
NO.	

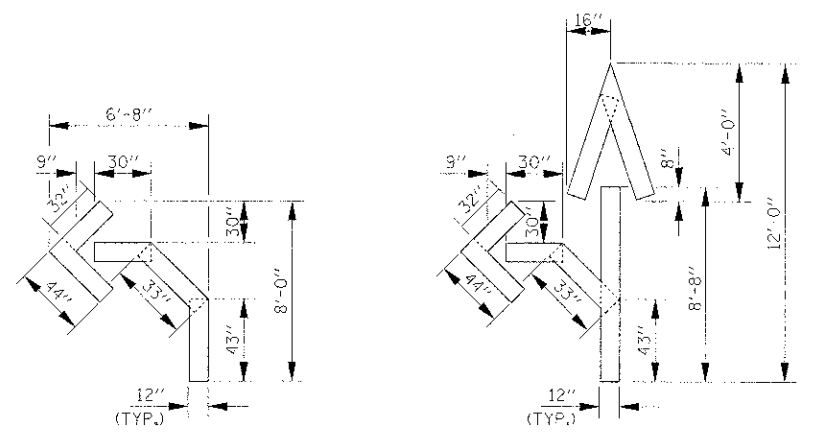
PROFILE	DATE
BY	
CHECKED	
DATE	
NO.	



**TYPICAL APPLICATION
@ LEFT TURN LANES**



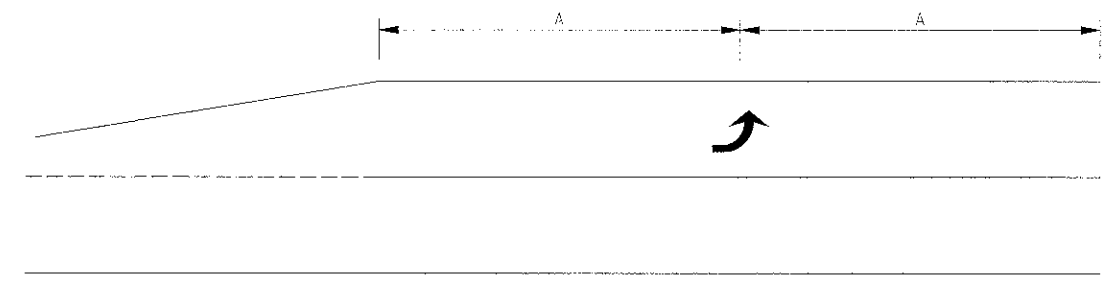
**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**



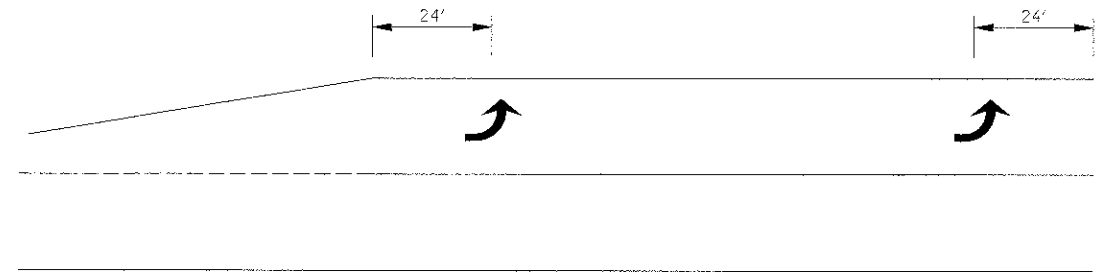
QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.

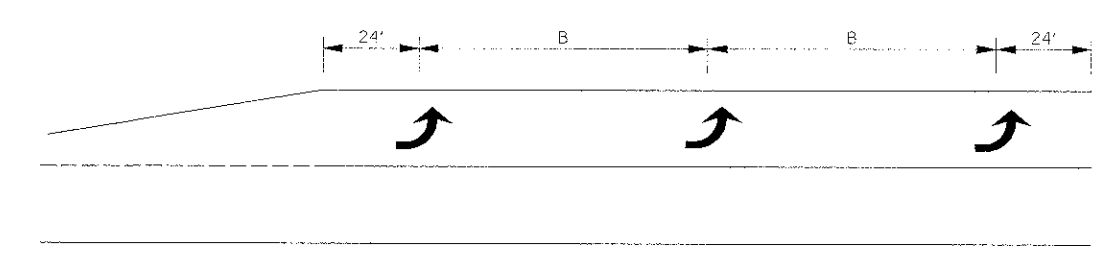
**SHORT-TERM PAVEMENT MARKING
FOR MEDIANS AND ARROWS**



99' AND UNDER

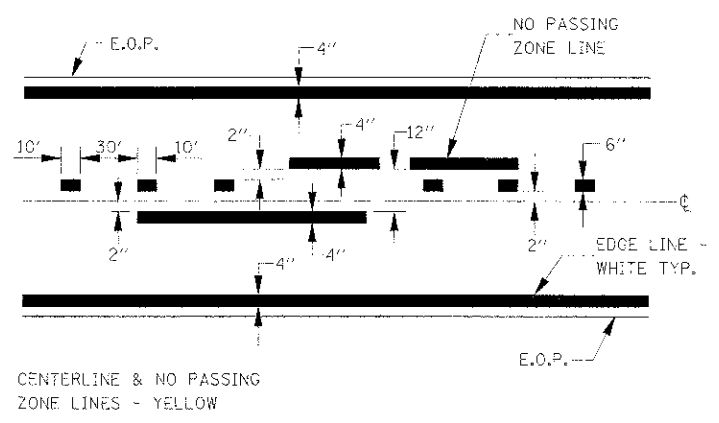


100' TO 149'



150' AND LONGER

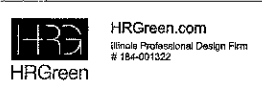
**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**



CENTERLINE & NO PASSING
ZONE LINES - YELLOW

EDGE LINE -
WHITE TYP.

PAVEMENT MARKING



USER NAME = mfa10w
PLOT SCALE = #0051_SCALED
PLOT DATE = 11/21/2012
FILE NAME = 200_detailed.dgn

DESIGNED JMR
CHECKED JS
DATE 4/30/12

REVISED -
REVISED -
REVISED -
REVISED -

VILLAGE OF OSWEGO

**MISCELLANEOUS DETAILS
(SHEET 2 OF 2)**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 3792	SECTION 11-00043-00-RS	COUNTY KENDALL	TOTAL SHEETS 9	SHEET NO. 9
CONTRACT NO. 07506				