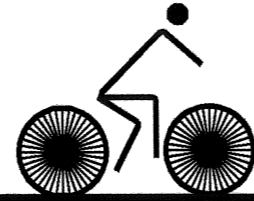


# BOROUGH OF MADISON COUNTY OF MORRIS

FEDERAL PROJECT # STP-000S(757) ENHANCEMENT



## BICYCLE ROUTE

**BOROUGH COUNCIL**

ELLWOOD R. KERKESLAGER, Mayor  
 DONALD J. BOWEN, Council President  
 MARY-ANNA HOLDEN, Council Member  
 ASTRI J. BAILLIE, Council Member  
 CARMELA VITALE, Council Member  
 SAM MANTONE, Council Member  
 JOHN M. ELIAS, Council Member

**BOROUGH ADMINISTRATOR**

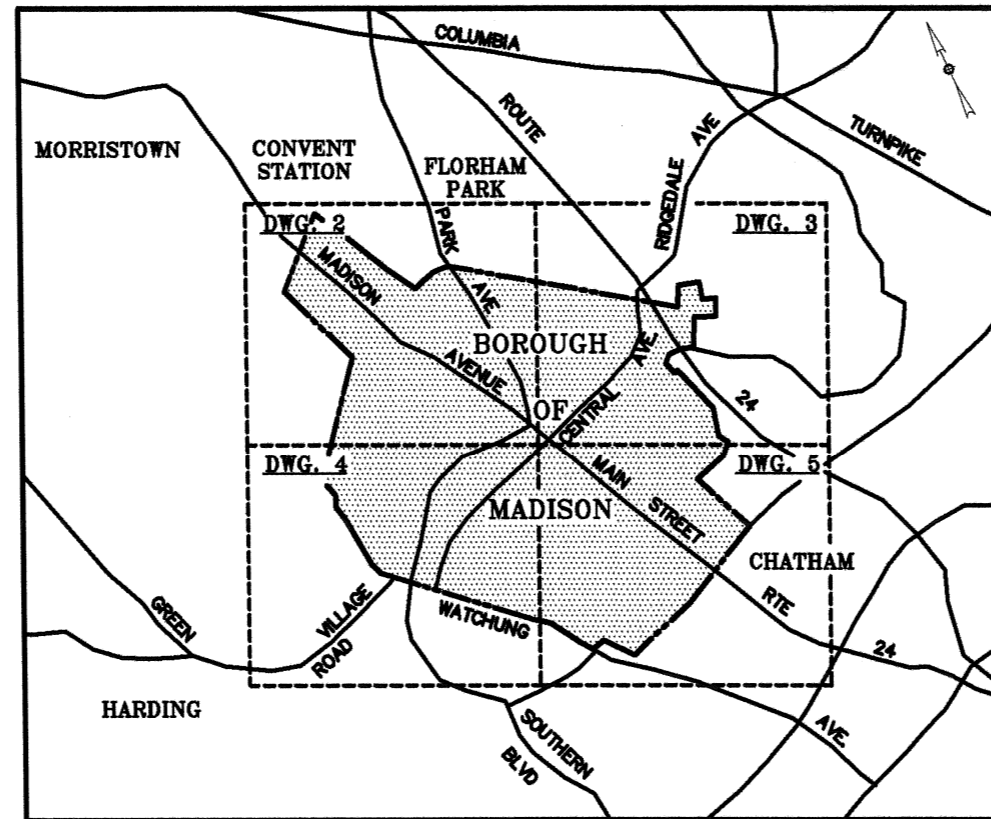
JAMES R. ALLISON

**BOROUGH ENGINEER**

ROBERT A. VOGEL, P.E.

**BOROUGH ATTORNEY**

JOSEPH MEZZACCA, JR., ESQ



INDEX OF DRAWINGS		
DWG.	DESCRIPTION	REVISION
1	TITLE SHEET	
2-5	BICYCLE ROUTE PLAN	
6	PRELIMINARY ESTIMATE OF QUANTITIES	
7	CONSTRUCTION DETAILS & GENERAL NOTES	

**KEY MAP**  
SCALE: 1" = 0.5 MILES

PROJECT SCALE: 1" = 300'

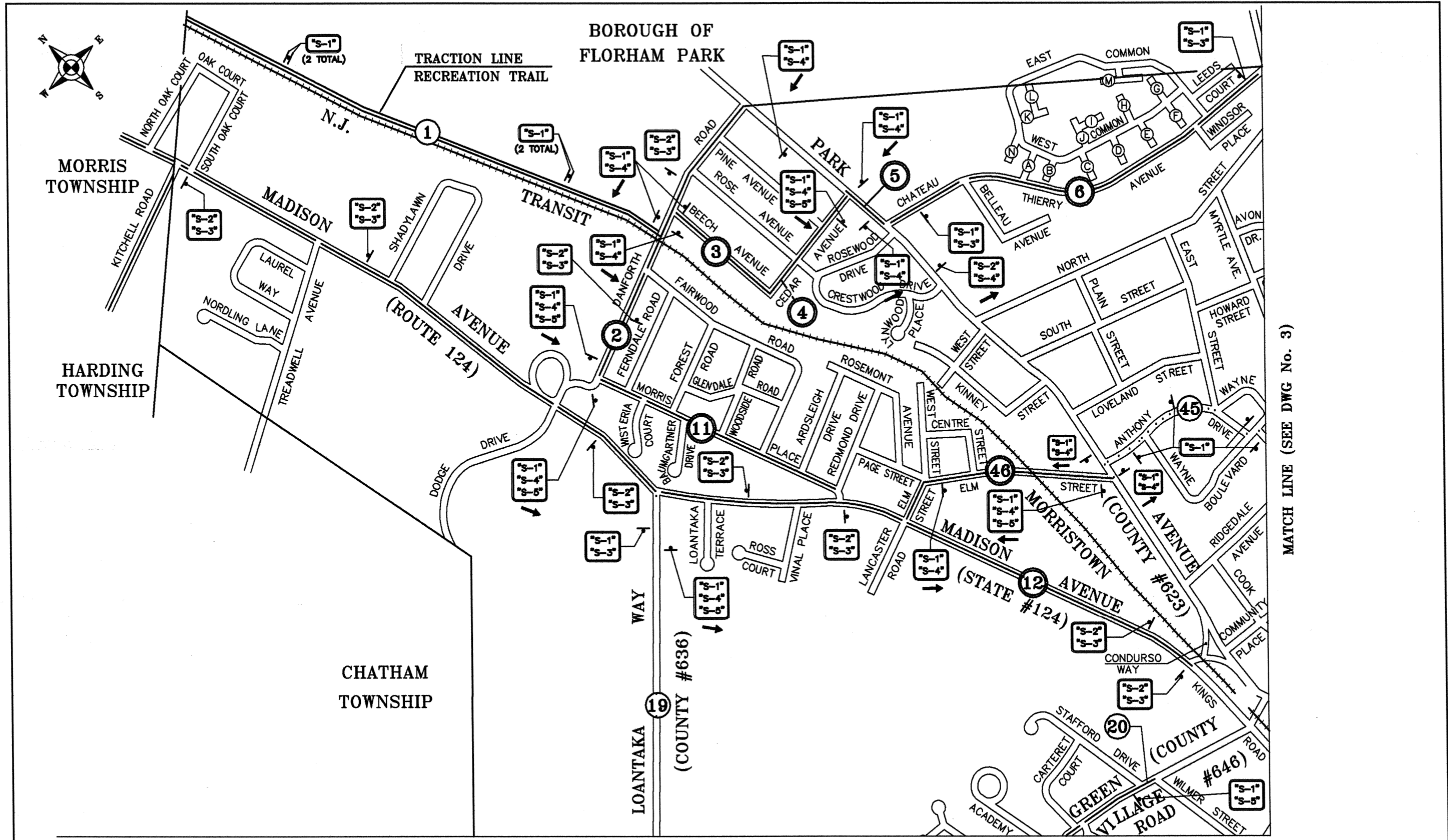
PROJECT LENGTH: BASE BID = 40,460 L.F./BID ALT. 65,800 L.F.

N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION TO GOVERN

JULY 2005

**BOROUGH OF MADISON  
DEPARTMENT OF ENGINEERING**  
 HARTLEY DODGE MEMORIAL  
 MADISON, MORRIS COUNTY, N.J. 07940  
 (973) 593-3060

5	BID PLOTS	06-28-05
4	BID PLOTS	04-12-05
3	N.J.D.O.T. COMMENTS - BID DOC.	08-09-04
2	REAUTHORIZATION	06-28-04
1	FINAL QUANTITIES	10-08-00
NO.	REVISION:	DATE:



MATCH LINE (SEE DWG No. 3)

MATCH LINE (SEE DWG No. 4)

**NOTE:**

- ROUTE 124 >10,000
- PARK AVENUE >10,000
- SHUNPIKE ROAD >10,000
- RIDGEDALE AVENUE >10,000
- WOODLAND ROAD >10,000

**BICYCLE ROUTE PLAN**

BOROUGH OF MADISON  
 DEPARTMENT OF ENGINEERING  
 HARTLEY DODGE MEMORIAL  
 MADISON, MORRIS COUNTY, N.J. 07940  
 (973) 593-5063

NO	REVISIONS	DATE	BY	CHK.	APPR
1	N.J.D.O.T. COMMENTS - BID DOCS.	08-13-04	D.C.B.	R.A.V.	R.A.V.

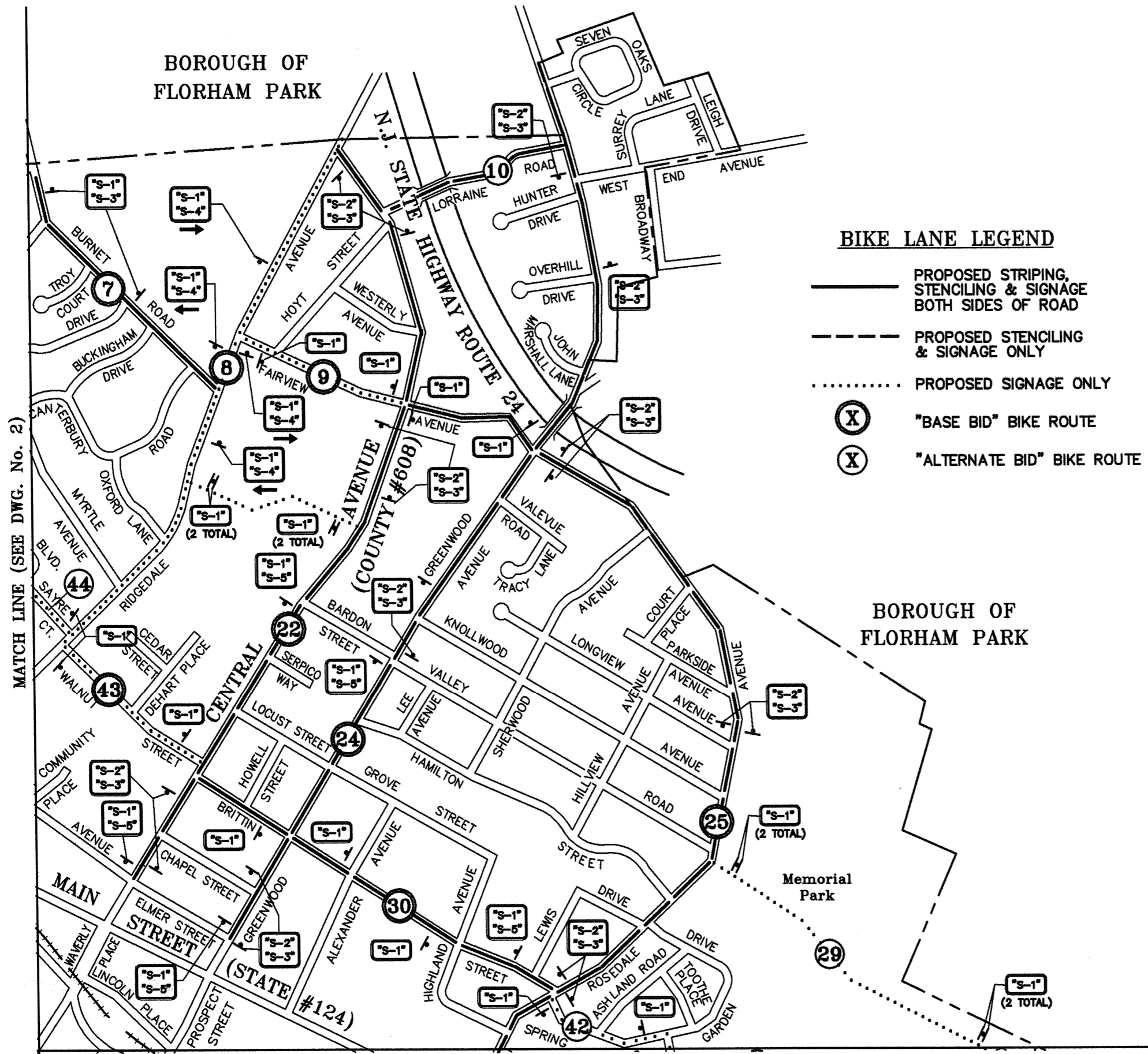
DATE: \_\_\_\_\_  
**ROBERT A. VOGEL, P.E.**  
 PROFESSIONAL ENGINEER N.J. LIC. NO. 34463

SCALE: 1" = 300'  
 DATE: 7-23-04  
 DRG. NO.: 2 of 7

BKE PLAN/DWG - 08-10-04



BOROUGH OF  
FLORHAM PARK



**BIKE LANE LEGEND**

- PROPOSED STRIPING, STENCILING & SIGNAGE BOTH SIDES OF ROAD
- - - - - PROPOSED STENCILING & SIGNAGE ONLY
- ..... PROPOSED SIGNAGE ONLY
- (X) "BASE BID" BIKE ROUTE
- (X) "ALTERNATE BID" BIKE ROUTE

BOROUGH OF  
FLORHAM PARK

MATCH LINE (SEE DWG. No. 2)

MATCH LINE (SEE DWG. No. 5)

BIKE PLAN.DWG - 08-10-04

<b>BICYCLE ROUTE PLAN</b>			
BOROUGH OF MADISON DEPARTMENT OF ENGINEERING HARTLEY DODGE MEMORIAL MADISON, MORRIS COUNTY, N.J. 07940 (973) 568-3083			
	DATE		SCALE: 1" = 300'
<b>ROBERT A. VOGEL, P.E.</b>	7-23-04		DATE
PROFESSIONAL ENGINEER N.J. LIC. NO. 34463			DATE

NO	REVISIONS	DATE	BY	CHK.	APPR.
1	N.J.D.O.T. COMMENTS - BID DOCS.	08-13-04	D.C.B.	R.A.V.	R.A.V.

SCALE: 1" = 300'  
DATE: 7-23-04  
Dwg. No. 3 of 7



TO  
LOANTAKA  
BROOK PARK  
←

MATCH LINE (SEE DWG. No. 2)

CHATHAM  
TOWNSHIP

**BIKE LANE LEGEND**

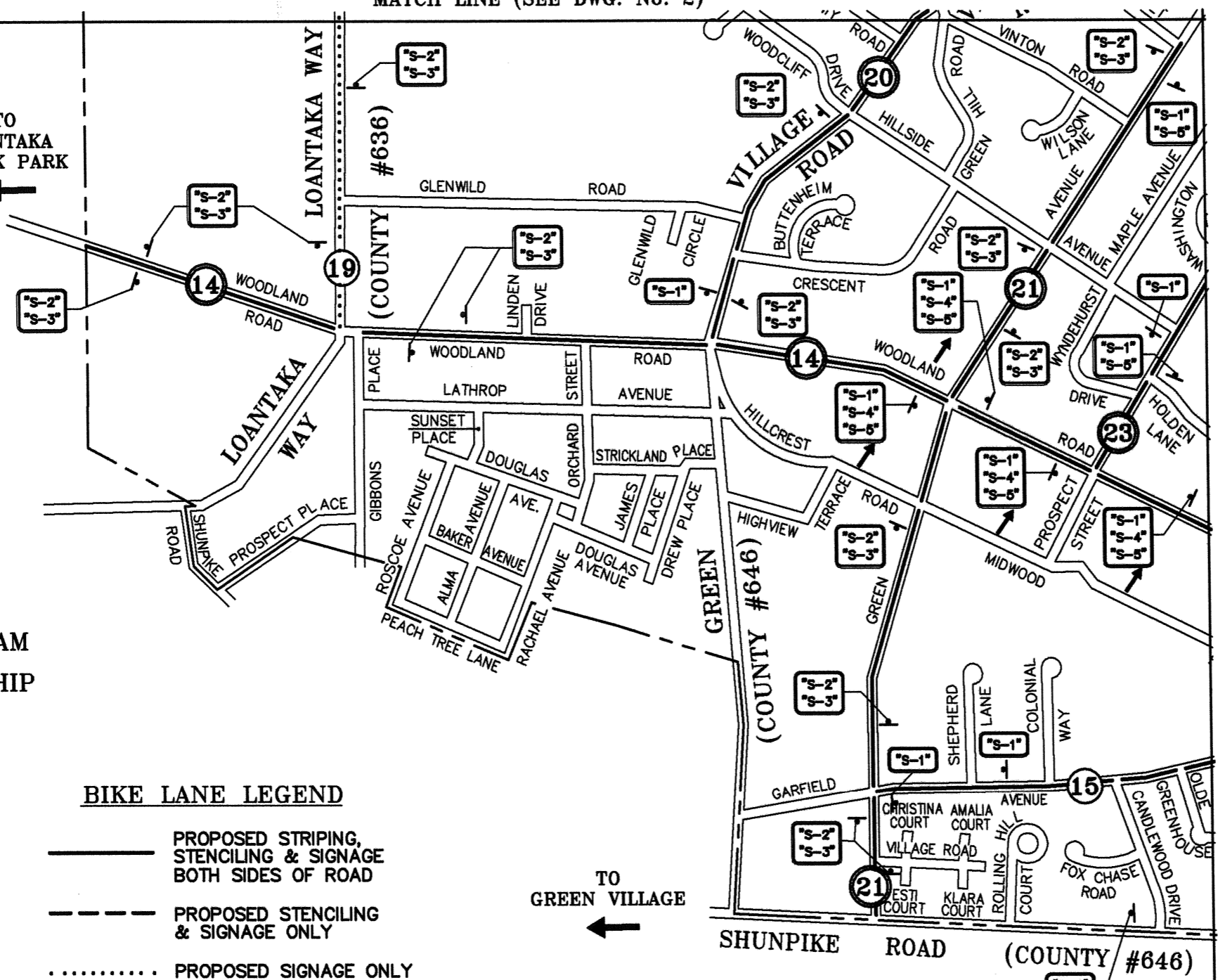
- PROPOSED STRIPING, STENCILING & SIGNAGE BOTH SIDES OF ROAD
- - - PROPOSED STENCILING & SIGNAGE ONLY
- ..... PROPOSED SIGNAGE ONLY
- (X) "BASE BID" BIKE ROUTE
- (X) "ALTERNATE BID" BIKE ROUTE

**NOTE:**  
SHUNPIKE ROAD AADT > 10,000

TO  
GREEN VILLAGE  
←

CHATHAM  
TOWNSHIP

MATCH LINE (SEE DWG. No. 5)



BIKE PLAN.DWG - 08-10-04

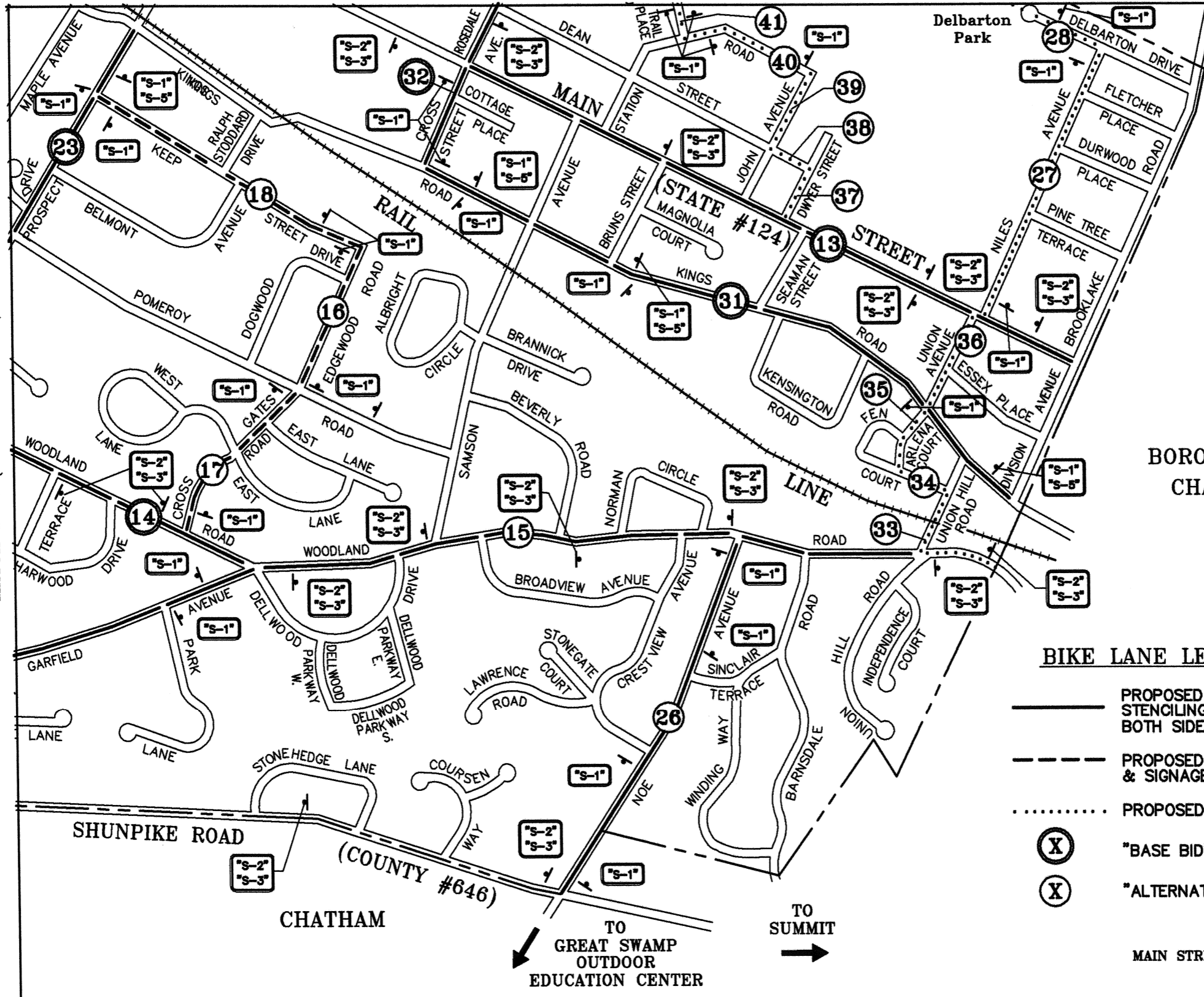
<b>BICYCLE ROUTE PLAN</b>	
BOROUGH OF MADISON DEPARTMENT OF ENGINEERING <small>BANKLEY BOIDGE MEMORIAL          MADISON, MORRIS COUNTY, N.J. 07940          (973) 566-3083</small>	
<b>ROBERT A. VOGEL, P.E.</b> <small>PROFESSIONAL ENGINEER N.J. LIC. NO. 34453</small>	SCALE: 1" = 300' DATE: 7-23-04 DWG. NO. 4 of 7

NO.	REVISIONS	DATE	BY	CHK.	APPR.
1	N.J.D.O.T. COMMENTS - BID DOCS.	08-10-04	D.C.B.	R.A.V.	R.A.V.

MATCH LINE (SEE DWG. No. 3)



MATCH LINE (SEE DWG. No. 4)



BOROUGH OF CHATHAM

**BIKE LANE LEGEND**

- PROPOSED STRIPING, STENCILING & SIGNAGE BOTH SIDES OF ROAD
- - - - - PROPOSED STENCILING & SIGNAGE ONLY
- ..... PROPOSED SIGNAGE ONLY
- (X) "BASE BID" BIKE ROUTE
- (X) "ALTERNATE BID" BIKE ROUTE

NOTE:  
MAIN STREET AADT > 10,000

**BICYCLE ROUTE PLAN**

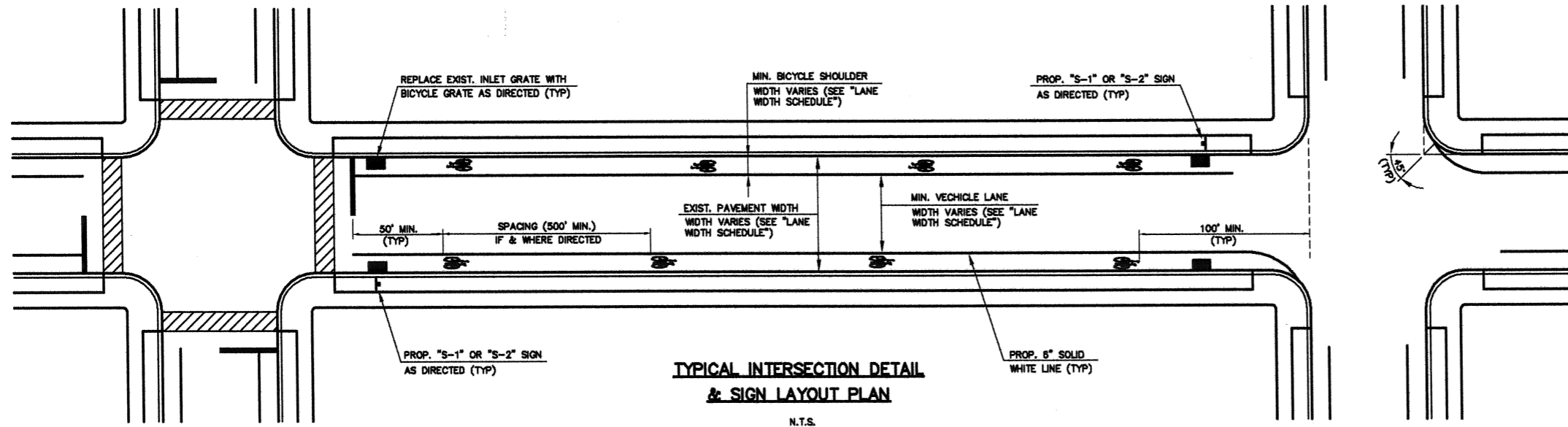
BOROUGH OF MADISON  
DEPARTMENT OF ENGINEERING  
HARTLEY DODGE MEMORIAL  
MADISON, MORRIS COUNTY, N.J. 07940  
(973) 595-3063

DATE: \_\_\_\_\_  
**ROBERT A. VOGEL, P.E.**  
PROFESSIONAL ENGINEER N.J. LIC. NO. 34423

NO.	REVISIONS	DATE	BY	CHK.	APPR.
1	N.J.D.O.T. COMMENTS - BID DOCS.	08-10-04	D.C.B.	R.A.V.	R.A.V.

SCALE: 1" = 300'
DATE: 7-23-04
DWG. NO: 5 of 7

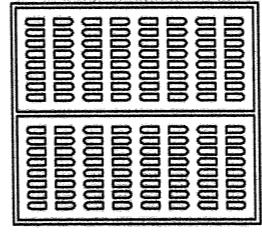
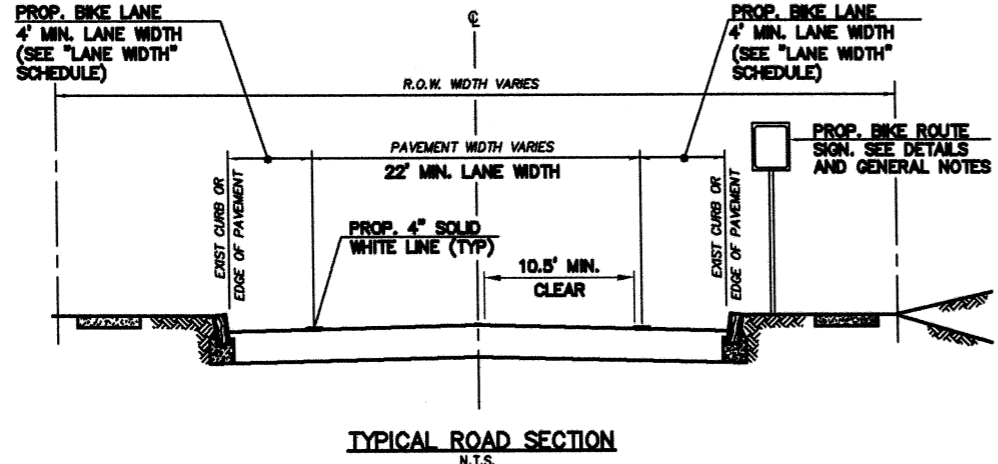




EXIST. PAVEMENT WIDTH	MINIMUM VEHICLE LANE WIDTH	MINIMUM SHOULDER WIDTH
28	22'	3'
30	23'	3.5'
32	24'	4'
34	25'	4.5'
36	26'	5'

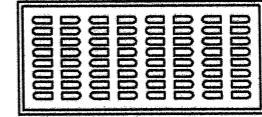
**LANE WIDTH SCHEDULE**

**NOTE:**  
 FOR ROADS THAT HAVE A TRAFFIC VOLUM LESS THAN 1,200 AADT A "SHARED LANE" IS ACCEPTABLE.  
 FOR ROADS THAT HAVE A TRAFFIC VOLUM GREATER THAN 10,000 AADT THE MINIMUM SHOULDER WIDTH IS 12 FEET.



**TYPICAL "E" INLET DETAIL BICYCLE GRATE**

N.T.S.  
**NOTE:**  
 TYPE "E" GRATE TO BE CAMPBELL FOUNDRY PATTERN NUMBER 3425 OR APPROVED EQUAL.

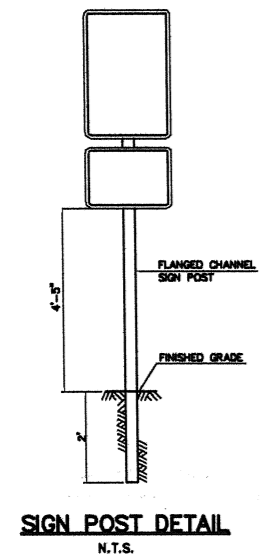


**TYPICAL "B" INLET DETAIL BICYCLE GRATE**

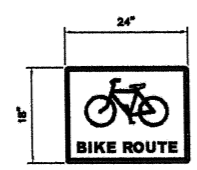
N.T.S.  
**NOTE:**  
 TYPE "B" GRATE TO BE CAMPBELL FOUNDRY PATTERN NUMBER 2616 OR APPROVED EQUAL.

**GENERAL NOTES**

- 1 THE CONTRACTOR SHALL READ AND BE FULLY FAMILIAR WITH PART 9 BICYCLE FACILITIES SECTION OF THE MUTCD.
- 2 THE CONTRACTOR WILL PROVIDE COMPLETE MARKOUTS OF PROPOSED STENCILING AND SIGN LOCATIONS AND BE FULLY REVIEWED BY THE BOROUGH ENGINEER PRIOR TO PERMANENT INSTALLATION.
- 3 IN NO CASE SHALL PROPOSED PAVEMENT MARKINGS IN THIS CONTRACT OBLITERATE OR OTHERWISE IMPAIR ANY EXISTING TRAFFIC CONTROLS (INCLUDING STRIPING, CROSS WALKS, SIGNS AND SIGNALS) WITHOUT SPECIFIC ADVANCED WRITTEN PERMISSION OF THE BOROUGH ENGINEER.
- 4 IN NO CASE SHALL ANY ESTABLISHED AUTOMOBILE TRAFFIC LANE BE REDUCED IN WIDTH VIA PROPOSED STRIPING TO LESS THAN 10.5 FEET CLEAR BETWEEN NEAREST EDGES OF ANY PROPOSED LINE STRIPING.
- 5 ALL PROPOSED SIDELINES AT INTERSECTIONS WILL BE TRANSITIONED TO MID-RADIUS (45° ANGLE CLOSURE) UNLESS PROPOSED SIDELINES MEET A STOP BAR OR CROSS WALK.
- 6 THE CONTRACTOR WILL MAINTAIN A MINIMUM OF 100 TRAFFIC CONES AT THE WORKSITE AT ALL TIMES AND PERFORM WORK ON ONE SIDE OF THE ROADWAY AT A TIME UNTIL ANY SUCH IMPROVEMENTS ARE COMPLETE BEFORE OCCUPYING AN ALTERNATE SIDE OF THE ROAD.



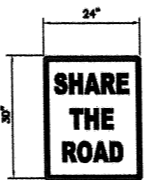
**SIGN POST DETAIL**  
N.T.S.



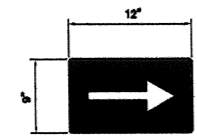
**S-1 (D11-1)**



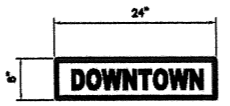
**S-2 (W11-1)**



**S-3 (W16-1)**



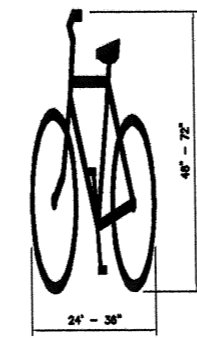
**S-4 (M7-1)**



**S-5 (D1-1)**



**S-6 (R7-9)**  
(IF & WHERE DIRECTED)



**PAVEMENT STENCIL**

**BICYCLE ROUTE SIGN DETAILS**

N.T.S.  
**NOTE:**  
 SIGNS TO BE PLACED AS DIRECTED BY BOROUGH ENGINEER AND THE MADISON POLICE DEPARTMENT.

NO.	REVISIONS	DATE	BY	CHK.	APPR.
3	BID PLOTS	08-28-05	D.C.B.	R.A.V.	R.A.V.
2	BID PLOTS	04-12-05	D.C.B.	R.A.V.	R.A.V.
1	N.J.D.O.T. COMMENTS - BID DOCS.	08-13-04	D.C.B.	R.A.V.	R.A.V.

**MADISON BIKE ROUTE**  
**CONSTRUCTION DETAILS & GENERAL NOTES**  
 BOROUGH OF MADISON  
 DEPARTMENT OF ENGINEERING  
 HARTLEY DODGE MEMORIAL  
 MADISON, MORRIS COUNTY, N.J. 07940  
 (973) 698-9063

DATE: 7-23-04  
**ROBERT A. VOGEL, P.E.**  
 PROFESSIONAL ENGINEER N.J. LIC. NO. 34463

SCALE: N.T.S.  
 DATE: 7-23-04  
 DWG. NO.: 7 of 7