C. Appendix C – Sussex County Standard Design & Construction Details

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Sussex County Department of Engineering and Planning Division of Engineering Standard Design & Construction Details



Subject to Modification Last Revised January 31, 2008

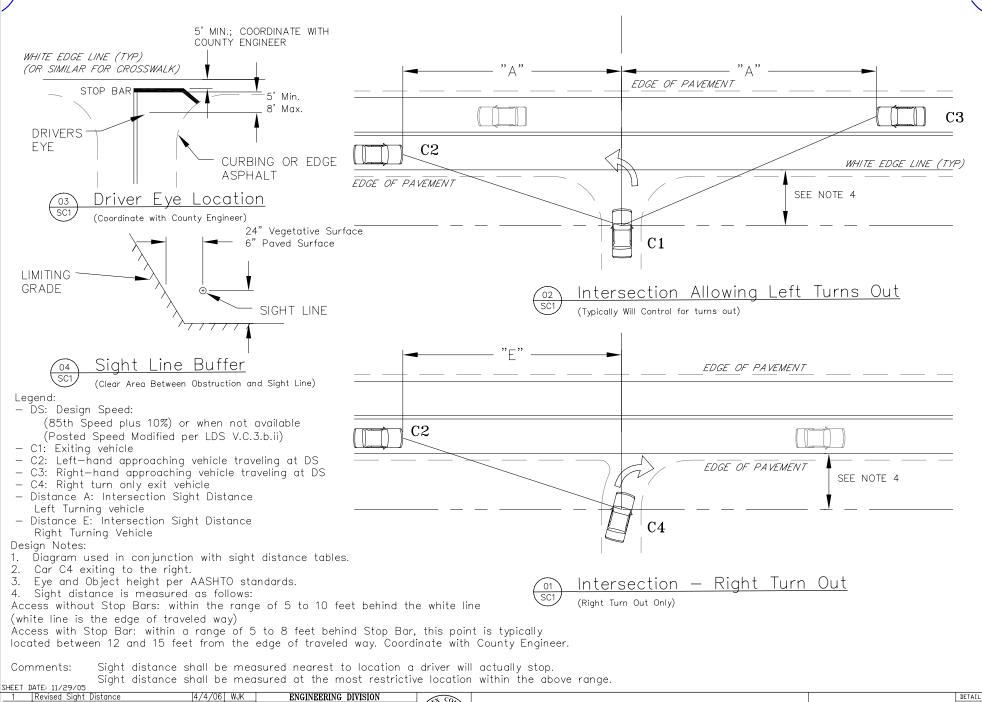
Forward

These details have been developed by the Sussex County Division of Engineering to augment, and as appropriate replace, the New Jersey Department of Transportation Standard Construction Details. Additionally, these details are intended to supplement the Sussex County Land Development Standards. The Sussex County Division of Engineering is dedicated to providing design and construction practices which optimize both public safety and resource investment. As such we are continually looking for new and more advanced design and construction techniques which would provide superior safety and serviceability for the public and their infrastructure investment.

These details have been developed based upon our experiences and in consideration of providing an optimal benefit to the public. We will continue to promote this objective by incorporating advancements in design or construction methodology into these details.

To this end we welcome input which would serve to enhance or improve the pubic safety or optimize the public resource investment and maintenance.

	Sussex County Standard Constru	ection Details
Detail ID	Detail Description	Revision Status
SC-01	Intersection Access - Sight Distance Turning Out (used with Sight Distance Standards)	Dev 11/29/05 Rev 1/31/08
SC-02	Intersection Access - Sight Distance Turning In (used with Sight Distance Standards)	Dev 9/26/06 Rev 1/28/08
SC-03	Critical Sight Area at Intersection	Dev 11/29/05
SC-04	Roadway Intersection Detail	Dev 11/29/05 Rev 11/16/07
SC-05	Multifamily Residential and Commercial Entranceway Detail	Posted 11/29/05 Rev 11/16/07
SC-05A	Residential Driveway	Dev 2/20/07 Rev 11/16/07
SC-06	Typical Roadway Section	Dev 11/29/05 Rev 1/29/08
SC-07	Restricted Entrance –Limited Movements	Dev 11/29/05 Rev 1/9/07
SC-08	Stop Pavement Markings	Dev 11/29/05 Rev 1/31/08
SC-09	9"x18" Concrete Vertical Curb	Dev 11/29/05
SC-10	Depressed Curb Detail	Dev 11/29/05
SC-11	Sidewalk Detail	Dev 11/29/05
SC-12	10' Curb Transition Detail	Dev 11/29/05
SC-13	Pavement Finish Details (Joints)	Dev 11/29/05 Rev 1/29/08
SC-14	Trench Detail	Dev 11/29/05 Rev. 1/29/08
SC-15	Timber Sign Post Detail	Dev 1/02/06
SC-15.1	Sign Details – Sheet 1 of 3	Dev 1/11/05
SC-15.2	Sign Details – Sheet 2 of 3	Dev 1/11/05
SC-15.3	Sign Details – Sheet 3 of 3	Dev 1/11/05
SC-16	Median Break Pavement Markings	Dev 2/27/06 Rev 11/16/07
SC-17	Auxiliary Lane Layout	Dev 2/27/06 Rev 10/25/07
SC-18	Auxiliary Lane Layout	Dev 2/27/06 Rev 10/25/07
SC-19	Driveway Curb Flares	Dev 9/26/06 Rev 1/29/07



SUSSEX COUNTY ADMINISTRATIVE CENTER

5/9/06 WJK ONE SPRING STREET

| 4/26/06 | WJK | NEWTDN, NEW JERSEY 07860 | 1/31/08 | WJK | DATE | REV. BY | WWW. SUSSEX. NJ. US

Measurement Offset

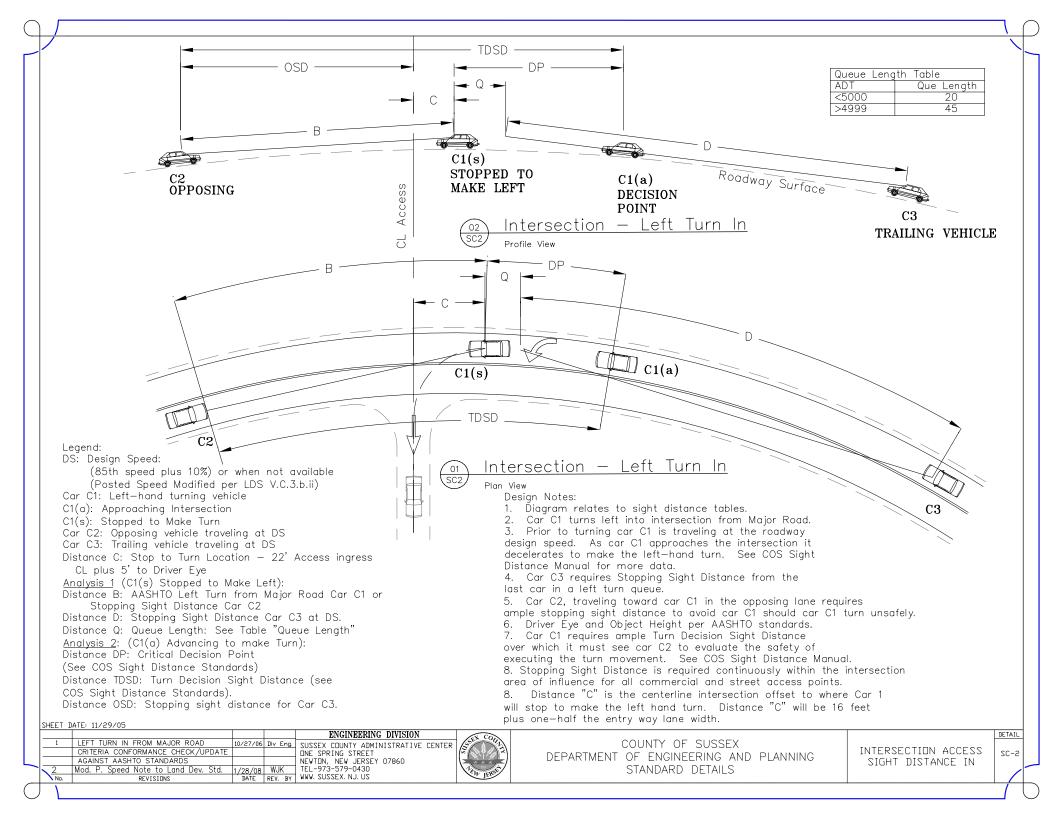
Revise Detail 03/SC1

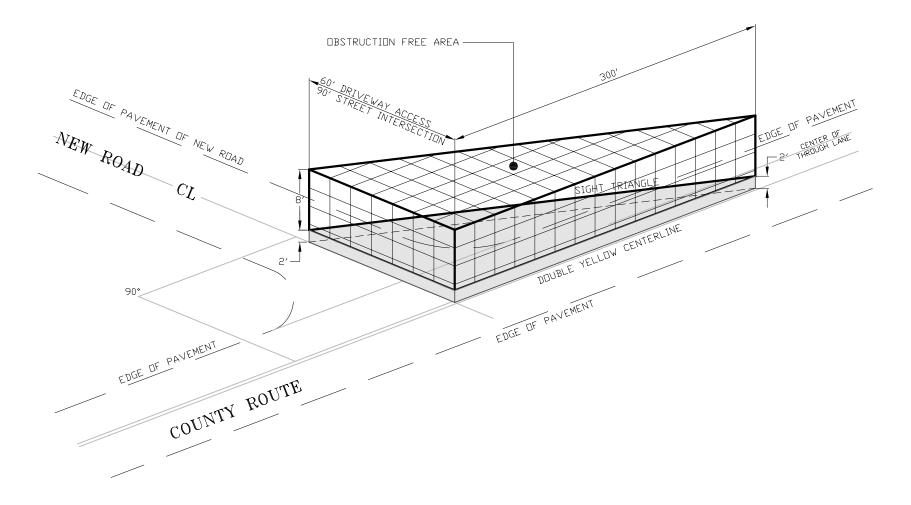
Add Detail 04/SC1 Mod. Note 4, Dtl 3, and Speed Std.

REVISIONS

COUNTY OF SUSSEX DEPARTMENT OF ENGINEERING AND PLANNING STANDARD DETAILS

INTERSECTION ACCESS SIGHT DISTANCE DUT





INTERSECTION SIGHT TRIANGLE

60' DRIVEWAY ACCESS
90' STREET INTERSECTION
(REFER TO LDS SECTION V.D.2.d FOT TRANSECTS T-5 OR T-6)

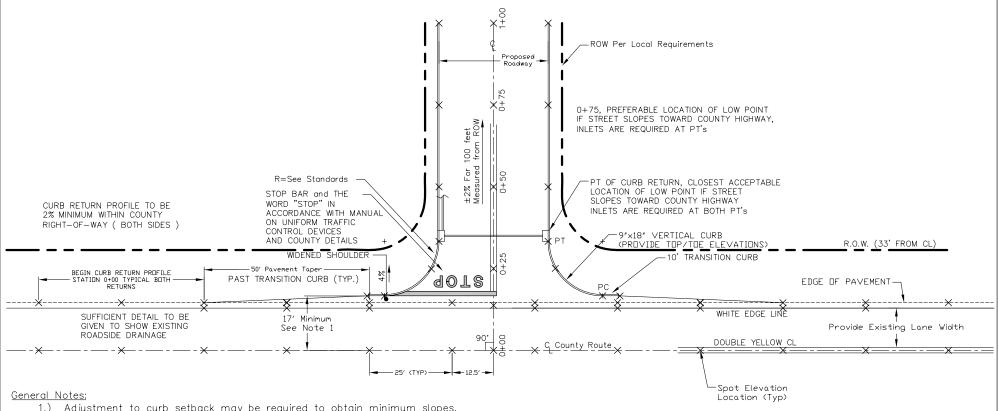
SHEET DATE 11/29/05

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					SUSSEX COUNTY ADMINISTRATIVE CENTER	1
					DNE SPRING STREET	10
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

CRITICAL SIGHT AREA AT INTERSECTION SC-3



- 1.) Adjustment to curb setback may be required to obtain minimum slopes. Minimum CL offset based upon 12 ft lane, 5 ft shoulder, See Land Development Standards for other lane and shoulder configurations.
- 2.) Written justification will be required when low point is not located at PT of curb.
- 3.) Sight distance to be analyzed in accordance with County Standards.
- 4.) All signage shall be shown on plan and identified using MUTCD designations.
- 5.) Inlets may be omitted when positive drainage can be affected through curb cuts and stabilized swales.
- 6.) Details depicted here represent minimum requirements All details pertinent to the functioning of the intersection shall be included on submittals.
- 7.) Guide rail shall be included as warranted.
- 8.) Cross sections and CL profile shall be provided for County Route when lane modifications are required.
- 9.) 90'x300' sight triangles shall be provided. Double Overlapping sight triangles may be required, see standards (Not shown this detail).
- 10.) Concrete curb shall be used within County ROW unless otherwise directed by the County Engineer.
- 11.) Proposed pavement box shall be continued to existing County Route white edge line. All existing asphalt between existing white edge line and proposed work shall be removed. Refer to Detail SC-13

Implementation Note:

This detail represents a generic access configuration. It is intended as a graphical representation of common design data needed to facilitate the County Application Review Process. Designers shall provide information similar to that depicted hereon applied to the specific access proposal. Site specific details shall be provided with the planning application at a scale of 1" = 20' This detail should be used for informational purposes only.

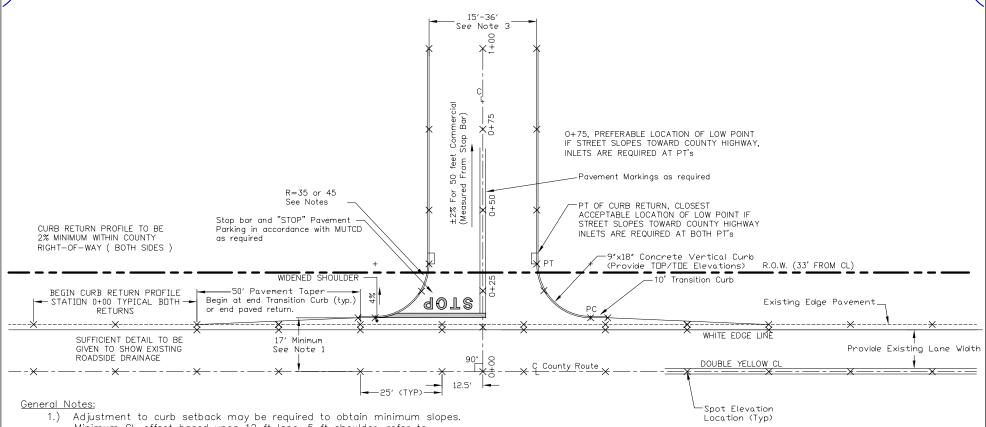
SHEET DATE: 11/29/05

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	1	Update with Land Development Standards	1/30/07	ENG	ENGINEERING DIVISION	Г		
	2	Added Implementation Note	11/16/07	ENG	SUSSEX COUNTY ADMINISTRATIVE CENTER	١,		
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

ROADWAY INTERSECTION DETAIL



- Adjustment to curb setback may be required to obtain minimum slopes Minimum CL offset based upon 12 ft lane, 5 ft shoulder, refer to Land Development Standards for alternate lane/shoulder configurations.
- 2.) Written justification will be required when low point is located at PT of curb.
- Entranceway widths vary per County Standards dependent on use type and number of lanes.
- 4.) Sight distance to be analyzed in accordance with County Standards.
- All signage shall be shown on plan and identified using MUTCD designations.
- 6.) Inlets may be omitted when positive drainage can be effected through curb cuts and stabilized swales.
- 7.) Details depicted here represent minimum requirements All details pertinent to the functioning of the entranceway point of access shall be included on submittals.
- 8.) Guide rail shall be included as warranted.
- 9.) Cross sections and CL profile shall be provided for County Route when lane modifications are required.
- 10.) 60'x300' sight triangles shall be provided (not shown this detail).
- 11.) All curbing within the County ROW shall be concrete unless otherwise directed by the County Engineer.

- 12.) Proposed pavement box shall be continued to existing County Route white edge All existing asphalt between existing white edge line and proposed work shall be removed. refer to Detail SC-13.
- 13.) Curb return radii may be varied by the designer to accommodate proposed design vehicles. See Land Development Standards for Alternate configurations.
- 14.) Proposal shall be designed to accommodate the SU design vehicle unless proposed use warrants larger vehicles.
- 15.) Applicant shall provide sight line profiles.

Implementation Note:

This detail represents a generic access configuration. It is intended as a graphical representation of common design data needed to facilitate the County Application Review Process. Designers shall provide information similar to that depicted hereon applied to the specific access proposal. Site specific details shall be provided with the planning application at a scale of 1" = 20' This detail should be used for informational purposes only.

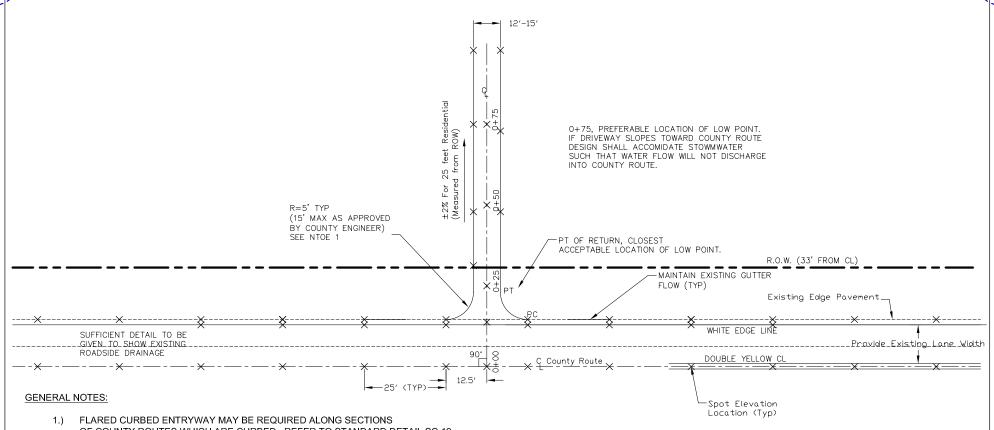
SHEET DATE: 11/29/05

l_					ENGINEERING DIVISION
	4	REMOVED SINGLE FAMILY RESIDENTIAL DATA	2/20/07	WJK	SUSSEX COUNTY ADMINISTRATIVE CENTER
	3	Update to Land Development Standards	1/29/07	ENG	DNE SPRING STREET
	2	REVISED APPROACH GRADE NOTES	3/1/06	WJK	NEWTON, NEW JERSEY 07860
_	1	ADAPTED FROM INTERSECTION DETAIL	9/20/05	DDR	TEL-973-579-0430
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

MULTIFAMILY OR COMMERCIAL ENTRANCEWAY



- OF COUNTY ROUTES WHICH ARE CURBED. REFER TO STANDARD DETAIL SC-19
- WRITTEN JUSTIFICATION WILL BE REQUIRED WHEN LOW POINT IS LOCATED AT PT OF CURB.
- SIGHT DISTANCE TO BE ANALYZED IN ACCORDANCE WITH COUNTY STANDARDS.
- ALL SIGNAGE SHALL BE SHOWN ON PLAN AND IDENTIFIED USING MUTCD DESIGNATIONS.
- INLETS AND OTHER DRAINAGE SYSTEMS ALONG COUNTY ROUTS SHALL BE SHOWN ON PLAN.
- ROADSIDE DRAINAGE SHALL NOT BE ALTERED BY PROPOSED DRIVEWAY.
- DETAILS DEPICTED HERE REPRESENT MINIMUM REQUIREMENTS ALL DETAILS PERTINENT TO THE FUNCTIONING OF THE ENTRANCEWAY POINT OF ACCESS SHALL BE INCLUDED ON SUBMITTALS.
- EXISTING GUIDE RAIL SHALL BE SHOWN ON THE PLAN, MODIFICATIONS DESIGNED AS WARRANTED.
- CROSS SECTIONS AND CL PROFILE SHALL BE PROVIDED FOR COUNTY ROUTE OR SPOT ELEVATIONS SUFFICIENT TO DEFINE DRAINAGE.
- 10.) ALL CURBING WITHIN THE COUNTY ROW SHALL BE CONCRETE UNLESS OTHERWISE DIRECTED BY THE COUNTY ENGINEER.
- 11.) PROPOSED PAVEMENT SHALL MEET EXISTING EDGE OF COUNTY ROUTE. REFER TO STANDARD DETAIL SC-13 FOR JOINING DETAILS.

Implementation Note:

This detail represents a generic access configuration. It is intended as a graphical representation of common design data needed to facilitate the County Application Review Process. Designers shall provide information similar to that depicted hereon applied to the specific access proposal. Site specific details shall be provided with the planning application at a scale of 1" = 20' This detail should be used for informational purposes only.

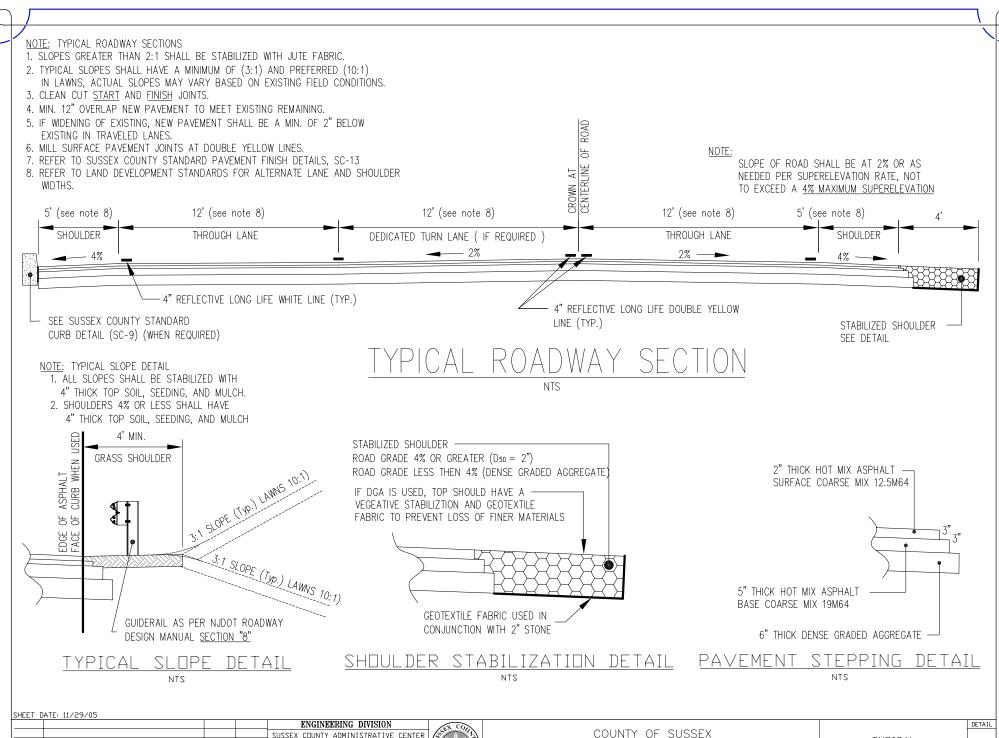
SHEET DATE: 2/16/07

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╮	1	ADAPTED FROM SC-5	2-15-07	WJK	TEL-973-579-0430	Ι΄
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COUNTY OF SUSSEX DEPARTMENT OF ENGINEERING AND PLANNING STANDARD DETAILS

RESIDENTIAL **ACCESS**



DNE SPRING STREET

1/29/07 ENG TEL-973-579-0430
DATE REV. BY WWW. SUSSEX. NJ. US

ENG NEWTON, NEW JERSEY 07860

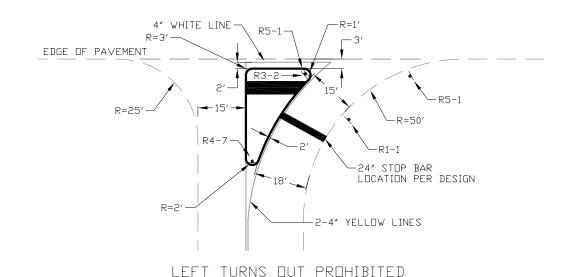
UPDATE FOR SUPERPAVE

Update for Land Development Standards

REVISIONS

COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

TYPICAL ROADWAY SECTION SC−€



R1-1 STOP



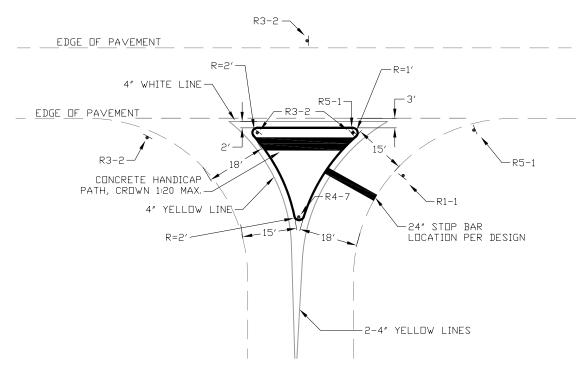
R5-1 DO NOT ENTER



R4-7 KEEP RIGHT



R3-2 NO LEFT TURN



NOTES:

TYPICAL RESTRICTED ENTRANCEWAY DETAILS BASED UPON SU DESIGN VEHICLE. DESIGNER SHOULD VERIFY ADEQUACY FOR SPECIFIC DESIGN VEHICLE AND ADJUST DIMENSIONS AS NEEDED TO ACCOMMODATE DESIGN VEHICLE.

DESIGN ELEMENTS SHOULD DETER RESTRICTED TURN MOVEMENTS TO THE MAXIMUM EXTENT POSSIBLE.

ADDITIONAL SIGNS MAY BE WARRANTED. SIGNAGE SHALL BE INSTALLED PER MUTCD.

MOUNTABLE CURB MAY BE USED AS APPROPRIATE.

RIGHT-IN AND RIGHT-OUT ONLY

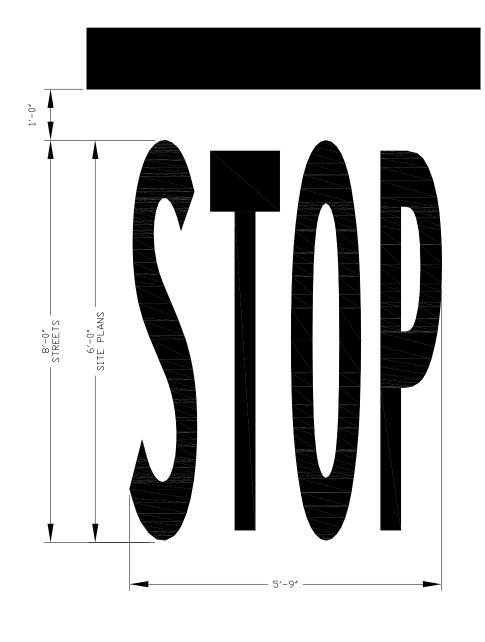
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					NEWTON, NEW JERSEY 07860	1		
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COUNTY OF SUSSEX DEPARTMENT OF ENGINEERING AND PLANNING STANDARD DETAILS

RESTRICTED ENTRANCE LIMITED MOVEMENTS

DETAIL



24" STREETS OR SITE PLANS WITH 25 STALL OR GREATER, 18" SITE PLANS WITH LESS THEN 25 PARKING STALLS

NOTE: STOP BAR SHALL BE LOCATED A MINIMUM OF 5 FEET BEHIND THE THROUGH STREET WHITE EDGE LINE. LOCATION SHALL BE COORDINATED ON A CASE BY CASE BASIS WITH THE COUNTY ENGINEER.

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COUNTY OF SUSSEX DEPARTMENT OF ENGINEERING AND PLANNING STANDARD DETAILS

STOP PAVEMENT MARKING DETAIL 2C-8

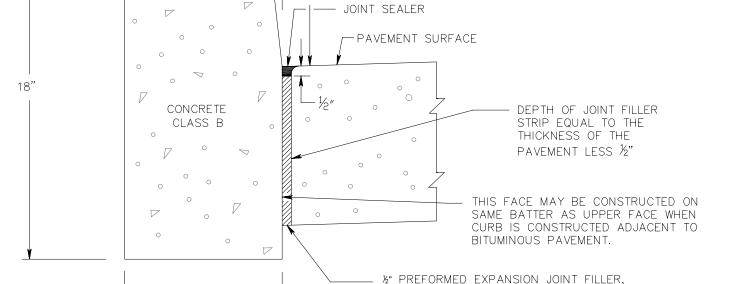
NOTES:

TRAVERSE JOINTS ½" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" ON CENTER AND SHALL BE FILLED WITH BITUMINOUS IMPREGNATED FIBER JOINT FILLER RECESSED ¼" IN FROM THE FRONT FACE AND TOP OF CURB

EXPANSION JOINTS THRU AND ADJACENT TO THE CURB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CURB.

COORDINATE WITH DETAIL SC-11.

OMIT LONGITUDINAL EXPANSION JOINT FOR ASPHALT PAVEMENT.



 $R = 1\frac{1}{4}$ "

6"

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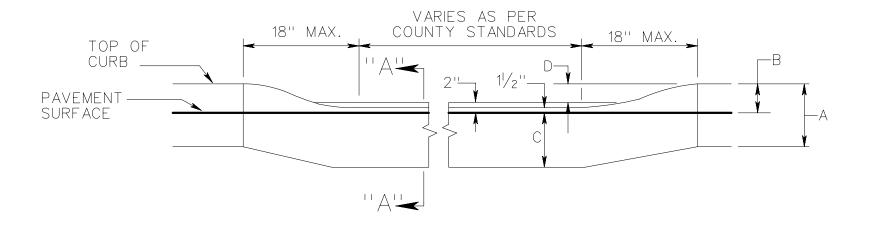
 $R = \frac{1}{2}$ "



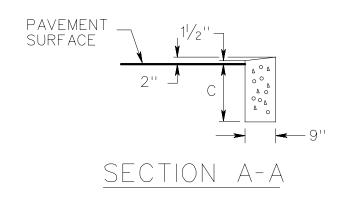
BITUMINOUS TYPE, TO BE INSTALLED BETWEEN

CURB AND CONCRETE PAVEMENT OR

CONCRETE BASE COURSE



CURB SIZE	DIM. A	DIM. B	DIM. C	DIM. D
9''x18''	18''	6''	16''	4''
9"x22"	22"	8''	16''	6''



METHOD OF DEPRESSING CURB AT DRIVEWAYS

N.T.S.

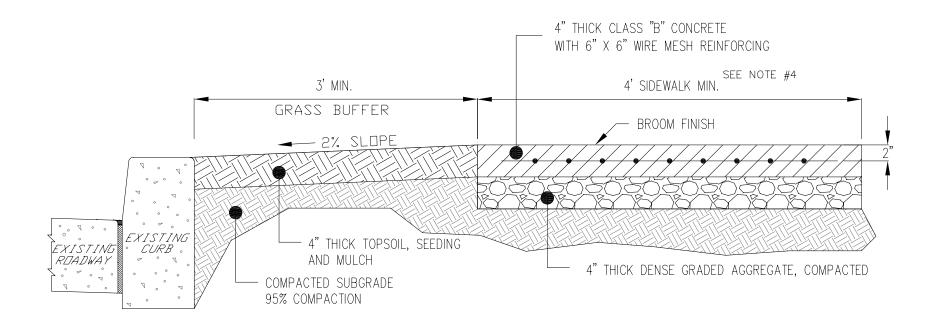
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

DEPRESSED CONCRETE CURB DETAIL



METHOD FOR SIDEWALK/CURB BUFFER

NOTES:

N.T.S.

- 1. PROVIDE 1/2" EXPANSION JOINTS AT 20' O.C. AND AT ALL EXISTING STRUCTURES, AND PROVIDE CONTRACTION JOINTS AT 5' O.C., IN SIDEWALKS.
- 2. FIBER MESH MAY BE SUBSTITUTED FOR WWF AT A RATE OF 1.5 Lb, PER CY CONCRETE.
- 3. 3' GRASS BUFFER AREA SHALL HAVE A MINIMUM OF 4" THICK TOPSOIL, SEEDING, AND MULCH OR AS PER CURRENT LOCAL STANDARDS.
- 4. IF 3' GRASS BUFFER IS OMITTED THE CONCRETE SIDEWALK SHALL BE 5' MIN. IN WIDTH AND SHALL SLOPE TOWARDS THE ROADWAY.
- 5. ADA ACCESSIBLE RAMPS SHALL BE IN CONFORMANCE WITH CURRENT NJDOT STANDARD DETAILS.
- 6. ADA ACCESSIBLE RAMPS SHALL NOT OUTLET ONTO COUNTY ROUTE SHOULDERS IN THE ABSENCE OF COUNTY APPROVED PEDESTRIAN CROSSWALKS.

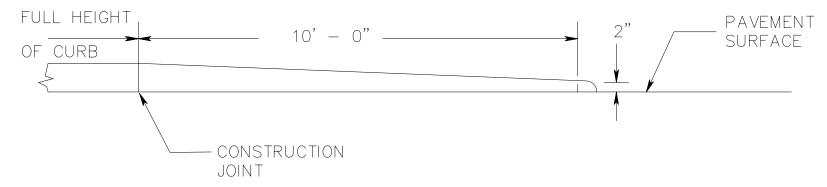
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				ENGINEERING DIVISION	
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

SIDEWALK/ CURB DETAIL SC-11

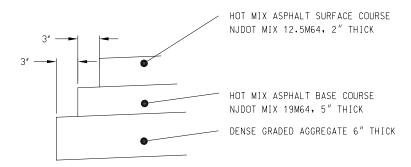
CURB TRANSITION 2" FACE TO FULL HEIGHT OF CURB



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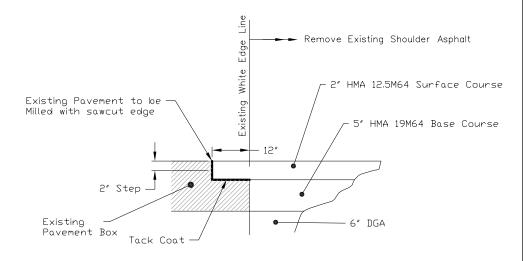
ENGINEERING DIVISION | SUSSEX COUNTY ADMINISTRATIVE CENTER
| DNE SPRING STREET |
| NEWTON, NEW JERSEY 07860 |
| TEL-973-579-0430 |
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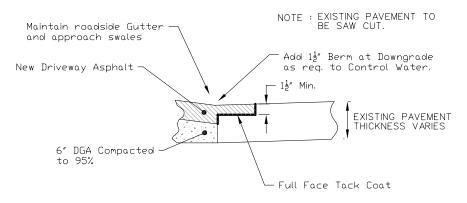
STEPPED PAVEMENT DETAIL

Pavement Nomenclature							
Aggregate	NJDOT		Min Bit.				
Size	OLD	NJDOT NEW	Thickness				
3/8"	HMA I-5	HMA 9.5MM64	1.5"				
1/2"	HMA I-4	HMA 12.5M64	2"				
3/4"	HMA I-2	HMA 19M64	3"				
1"		HMA 25M64	4"				
1 1/2"		HMA 37.5M64	6"				



PAVEMENT JOINTING DETAIL

Used for Widened Payment Sections



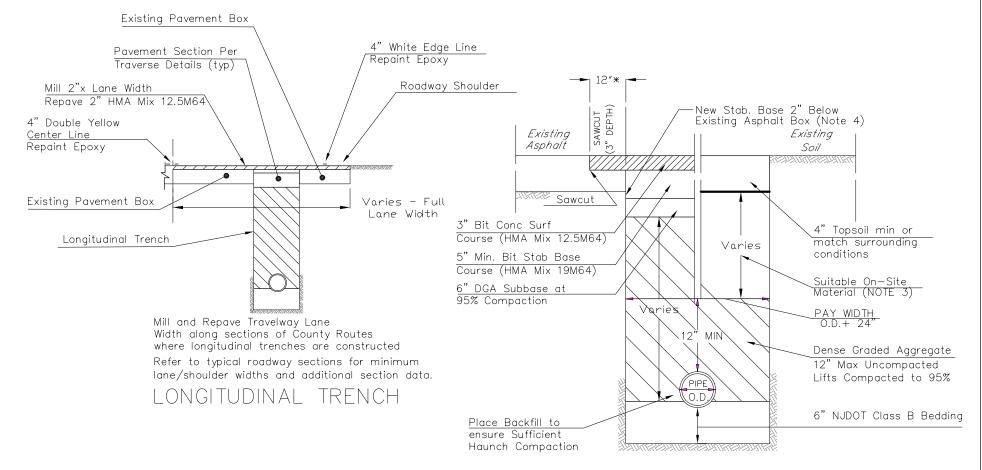
RESIDENTIAL DRIVEWAY JOINING DETAIL

SHEET DATE: 11/29/05



COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

PAVEMENT FINISH DETAILS



- 1. Contractor shall provide sheeting or shoring as require
- 2. Contractor shall provide all dewatering. Dewatering shall comply with NJ Soil Conservation Standards.
- 3. On—site material shall only be permitted for use in trenches within open areas, i.e. fields and lawns.
- 4. Bituminous Stabilized Base Course shall be placed such that the bottom elevation extends 2" below the existing asphalt road box.
- 5. All asphalt joints shall be saw-cut

TRAVERSE TRENCH

* 12" shall be uniform traversely across the road measured from the widest part of the road opening.

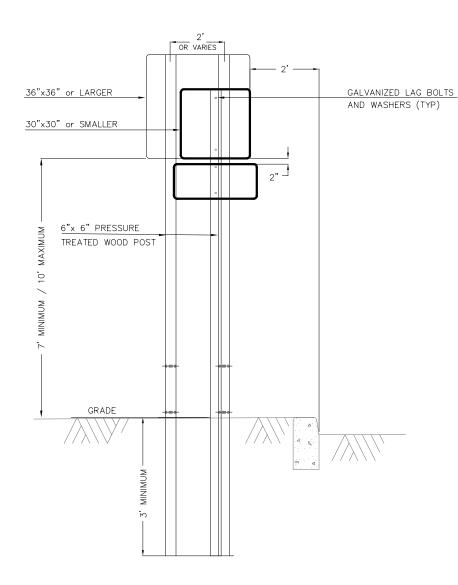
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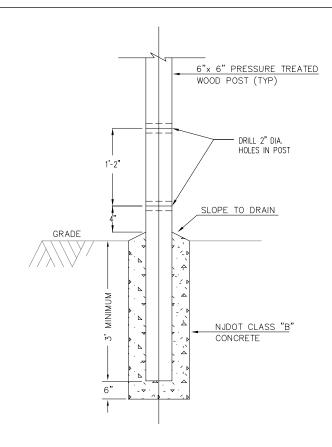
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	5	UPDATE TO SUPERPAVE	1/29/08	ENG	NEWTON, NEW JERSEY 07860
₹	1	Add reference to Typical Section	9/26/06	Eng Stf	
	No.	REVISIONS	DATE	REV. BY	WWW. SUSSEX. NJ. US



COUNTY OF SUSSEX DEPARTMENT OF ENGINEERING AND PLANNING STANDARD DETAILS

TYPICAL TRENCH DETAIL





TYPICAL POST FOUNDATION

SIGN POST DETAIL

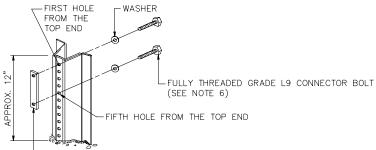
TYPICAL WOOD SIGN POST

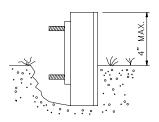
NTS



COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

BREAKAWAY SIGN SIGN POST DETAIL

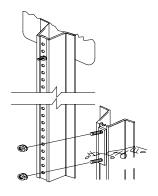




SPACER



- DRIVE ANCHOR POST ASSEMBLY TO WITHIN APPROXIMATELY 12 INCHES ABOVE GROUND LEVEL. PLACE BOLT AND WASHER IN FIRST AND FIFTH HOLES FROM THE TOP END, AND SECURELY TIGHTEN BOLTS ONTO THREADED SPACER.
- DRIVE ANCHOR POST ASSEMBLY TO WITHIN A MAXIMUM OF 4 INCHES ABOVE GROUND LEVEL.
- DIG OUT AROUND BACK OF ANCHOR POST ASSEMBLY TO ALLOW ROOM FOR TOP POST TO BE ATTACHED.
- NEST TOP POST ASSEMBLY ONTO PROTRUDING ANCHOR POST ASSEMBLY BOLTS, THROUGH THE FIRST AND FIFTH HOLES FROM THE BOTTOM OF THE TOP POST.
- PLACE AND TIGHTEN A SELF— LOCKING FLANGE NUT ON EACH BOLT. WHEN INSTALLATION IS COMPLETE, TOP OF GROUND POST SHALL NOT EXCEED 4 INCHES ABOVE GROUND LEVEL.
- 6. SIZE OF CONNECTOR BOLT FOR TYPE 1,5%" x 1½" SIZE OF CONNECTOR BOLT FOR TYPE 2,5%" x 2"



NOTE:
THE CONNECTOR BOLTS AND SPACERS SHALL
BE FULLY THREADED. EACH CONNECTOR
BOLT AND NUT SHALL BE CLEARLY STAMPED
WITH MANUFACTURER'S IDENTIFYING MARK.

ANCHOR POST ASSEMBLY SIGN SUPPORTS

CD-619-5.2

GENERAL NOTES:

- ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND AS INDICATED BELOW.
- 2. ALL SMALL SIGN SUPPORTS SHALL BE OF THE BREAKAWAY TYPE WITH EXCEPTION OF THOSE INSTALLED BEHIND GUIDE RAIL OR OTHER ROADSIDE BARRIER.
- 3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT, AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT ASTM A123.
- 4. ALL STEEL U-POST SIGN SUPPORTS MUST BE INSTALLED FACING THE PREDOMINANT TRAFFIC FLOW. A MOUNTING BRACKET SHOULD BE USED ON SIDE MOUNTED SIGNS SUCH AS "ONE WAY" SIGNS INSTALLED IN MEDIANS.
- 5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
- 6. BOLTS SHALL NOT PROTRUDE MORE THAN $\frac{1}{4}$ " BEYOND THE NUT WHEN TIGHT, BUT SHALL ENGAGE ALL THREADS IN THE NUT.
- 7. WHEN SIGNS ARE INSTALLED ON SLOPES 10H:1V OR FLATTER, THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:

FOR SINGLE POST INSTALLATIONS — THE MINIMUM DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE BOTTOM OF ANY PANEL MUST BE 7 FEET, AND THE MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO THE TOP OF ANY SIGN PANEL MUST BE 9 FEET.

FOR MULTI-POST INSTALLATIONS - THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A MAJOR SIGN PANEL MUST BE 7 FEET.

SECONDARY SIGN PANELS (LAND SERVICE HIGHWAYS) — THE MINIMUM DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE BOTTOM OF A SECONDARY SIGN PANEL IS 6 FEET.

SECONDARY SIGN PANELS (INTERSTATE AND FREEWAYS) — THE BOTTOM OF THE MAJOR SIGN SHALL BE A MINIMUM OF 8 FEET AND THE SECONDARY SIGN PANEL A MINIMUM OF 5 FEET ABOVE THE EDGE OF PAVEMENT.

WHERE GRADING OF 10H:1V OR FLATTER CANNOT BE OBTAINED, OR WHERE CURB OR BERM IS GREATER THAN 4 INCHES, THE MINIMUM VERTICAL CLEARANCE WILL BE MEASURED FROM THE GROUND LINE TO THE BOTTOM OF THE SIGN.

- 8. PERMANENT SIGN SUPPORTS SHOULD NOT BE INSTALLED ON SLOPES GREATER THAN 10H:1V, EXCEPT WHERE GRADING OF 10H:1V CANNOT BE OBTAINED OR THE SIGN SUPPORTS WILL BE BEHIND A TRAFFIC BARRIER. THE SLOPE SHALL EXTEND A MINIMUM OF 3 FEET BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
- EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH STEEL U-POST SIGN SUPPORTS.
- 10. STEEL U-POST SIGN SUPPORTS SHALL NOT BE PLACED IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
- 11. TO EXTEND THE HEIGHT OF A SIGN POST, A MAXIMUM OF ONE SPLICE MAY BE MADE AND MUST BE A MINIMUM OF 9 FEET FROM THE GROUNDLINE TO CENTER LINE OF SPLICE.

NJDOT DETAILS EXTRACTED FROM SHEETS CD-619-4 AND CD 619-5 SEE SHEETS SC-15.1, SC-15.2 AND SC-15.3

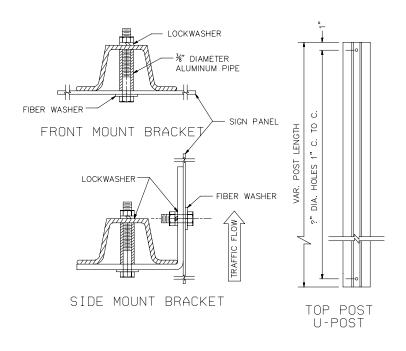
| BRGINEERING DIVISION | SUSSEX COUNTY ADMINISTRATIVE CENTER | DNE SPRING STREET | NEWTON, NEW JERSEY 07860 | TEL-973-579-0430 | TEL-973-579-0430 | WWW. SUSSEX, N.J. US



COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

SIGN DETAILS SHEET 1 DF 3 DETAIL

SC-15.1



4 LB/FT SIGN POST EXTENSION

BOLT, NUT, AND LOCK -

WASHER (THRU 3RD OR

4TH HOLES FROM EACH

END OF SPLICE CHANNEL)

{ OF SPLICE

SPLICE

CHANNEL

4 LB/FT

SIGN POST

1" MIN. -

2" MAX.

1" MIN. □

2" MAX.

SIGN POST EXTENSION SPLICE DETAILS

2.5 LB/FT SIGN POST EXTENSION

BOLT, NUT, AND LOCK

4 LB/FT

SIGN POST

WASHER

MIN. TS MIN.) TS MIN.)

DANIEL CITE	. 055	007 0175
PANEL SIZE (W X H)		OST SIZE
18" x 18"	1	2.5
18" x 24"	1	2.5
24" x 24"	1	2.5
24" × 30"	1	2.5
24" x 36"	1	2.5
30" x 24"	1	2.5
30" x 30"	1	2.5
36" x 12"	2	2.5
36"x36"x36"	2	2.5
30" x 36"	1	4.0

PANEL SIZE (W X H)		OST SIZE (LB/FT)
36" × 36"	2	2.5
36" × 48"	2	2.5
45" × 36"	2	2.5
48" x 24"	2	2.5
48" x 36"	2	2.5
48" × 48"	2	4.0
48"x64"x64"	2	2.5
60" x 36"	2	4.0
48" × 60"	2	4.0
60" × 30"	2	4.0



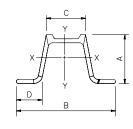
?" DIA. HOLE

U-POST SELECTION TABLE BREAKAWAY SIGN SUPPORT

WEIGHT *	DIMENSIONS (IN)			AREA	X-X AXIS * *		Y-Y AXIS		
LBS/FT.	"A"	"B"	"C"	" D "	IN.2	I(IN. 4)	S(IN. 3)	I(IN. 4)	S(IN. 3)
2.50	1.516	3.062	1.278	0.669	0.760	0.228	0.313	0.539	0.352
4.00	1.968	3.500	1.336	0.834	1.187	0.611	0.707	1.161	0.664

* ± 5% TYPE 1 STEEL U-POST PROPERTIES

* *GOVERNING SECTION



TYPE 1 STEEL U-POST

NOTES:

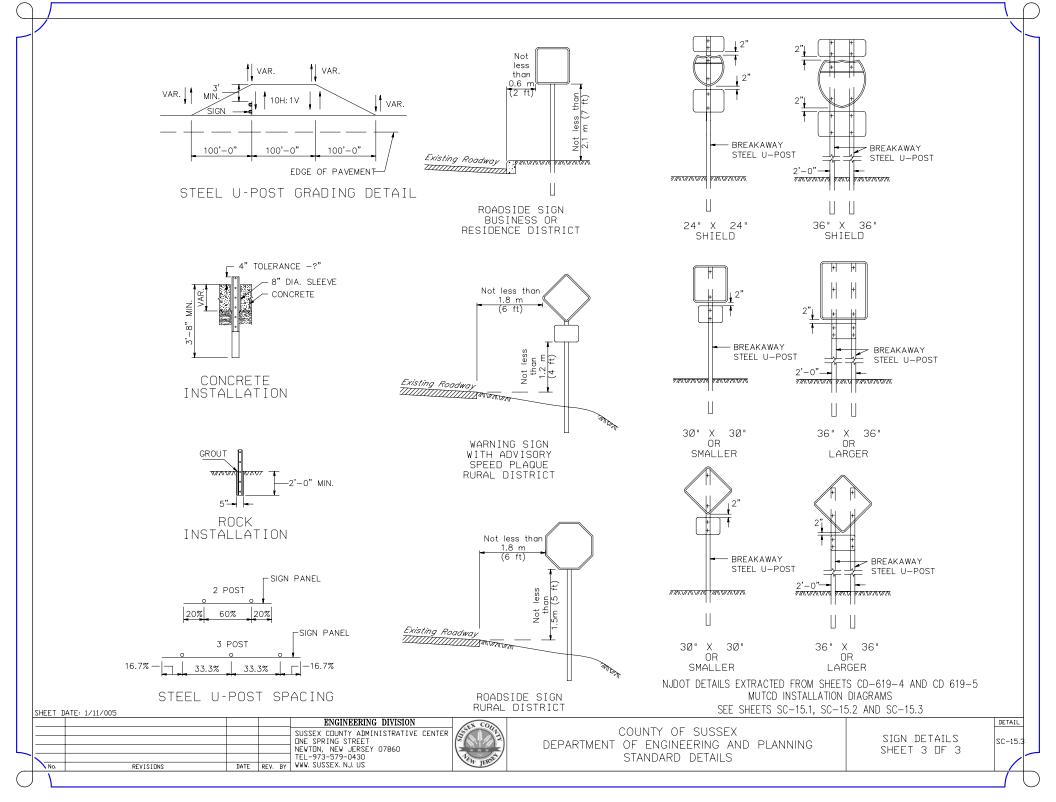
- ANCHOR POST AND TOP POST SHALL BE OF EQUAL WEIGHT/FEET.
- 2. SOIL ANCHOR PLATE SHALL BE ATTACHED TO ALL ANCHOR POSTS.
- 3. THE MATERIAL FOR THE SOIL ANCHOR PLATES SHALL BE CARBON SHEET STEEL.

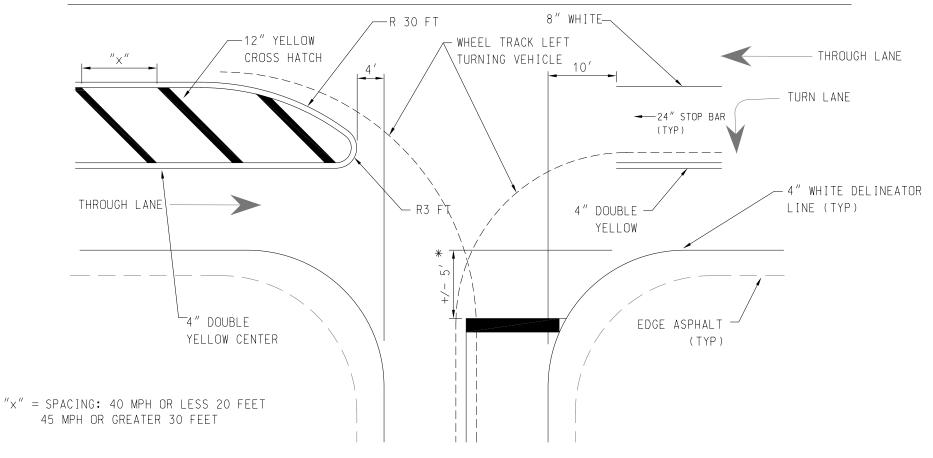
NJDOT DETAILS EXTRACTED FROM SHEETS CD-619-4 AND CD 619-5 SEE SHEETS SC-15.1, SC-15.2 AND SC-15.3



COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

SIGN DETAILS SHHET 2 OF 3 DETAIL SC-15.2





* REFER TO DETAILS SC-1, SC-4 AND SC-5 FOR RELATED DATA COORDINATE WITH DETAIL SC-17 AND SC-18 FOR TURN LANE CONFIGURATION. GRAPHICAL REPRESENTATION: DIMENSIONS SHOWN SHALL BE VERIFIED BY DESIGNER FOR SPECIFIC LANE AND SHOULDER WIDTHS.

DESIRABLE TURN LANE MARKING LAYOUT

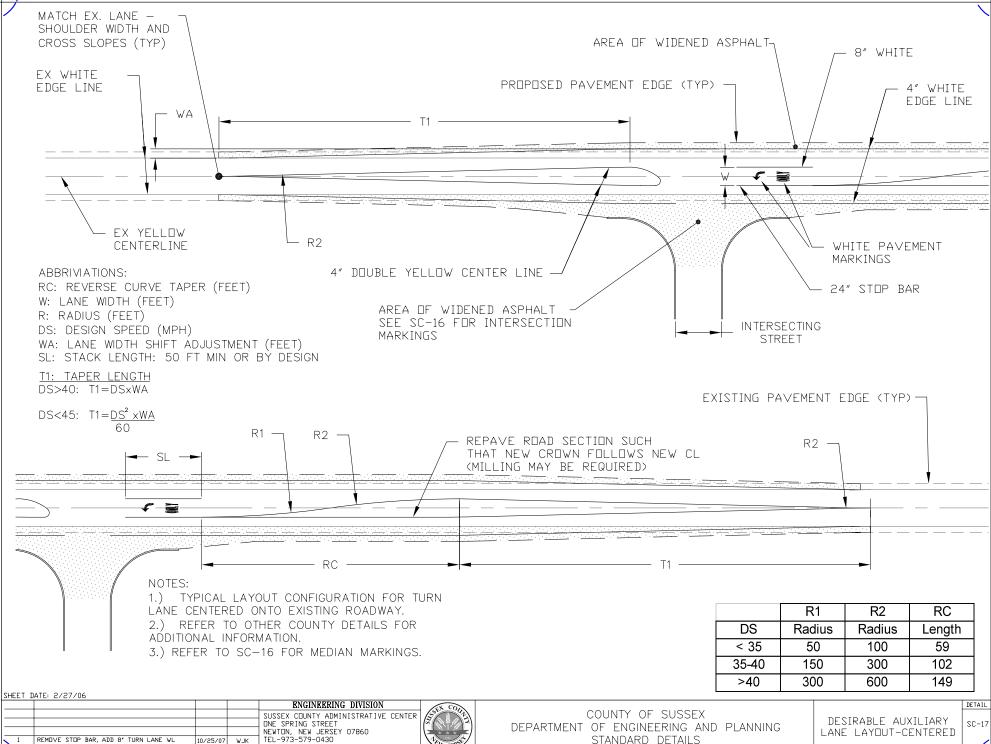
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COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

DESIRABLE MEDIAN BREAK PAVEMENT MARKINGS

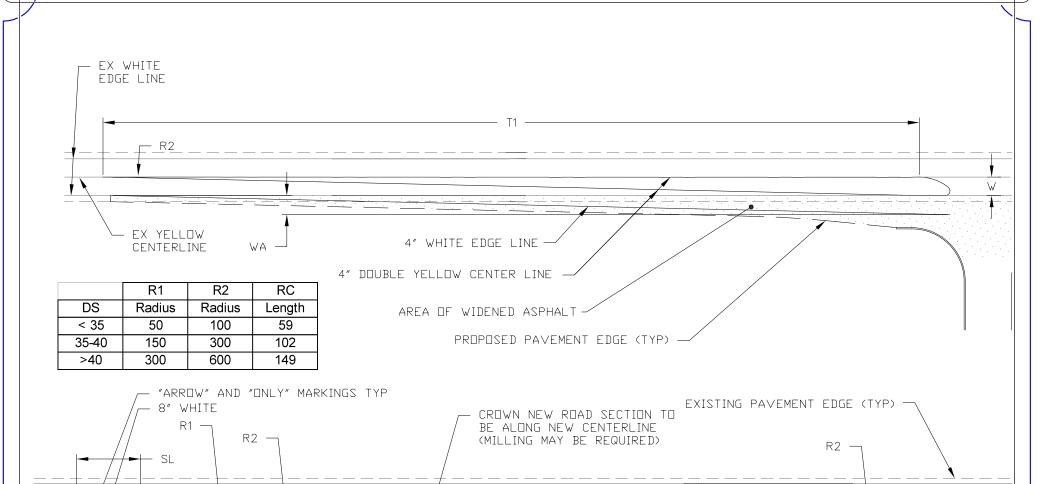
DETAIL



DATE REV. BY WWW. SUSSEX. NJ. US

REVISIONS

STANDARD DETAILS



ABBRIVIATIONS:

RC: REVERSE CURVE TAPER (FEET)

W: LANE WIDTH (FEET)

R: RADIUS (FEET)
DS: DESIGN SPEED (MPH)

WA: LANE WIDTH ADJUSTMENT (FEET)

SL: STACK LENGTH: 50 FT MIN OR BY DESIGN

- RC

NOTES:

- 1.) TYPICAL LAYOUT CONFIGURATION FOR TURN LANE MAINTAINING ONE EDGE OF EXISTING ROADWAY.
- 2.) REFER TO OTHER COUNTY DETAILS FOR ADDITIONAL INFORMATION.
- 3.) COORDINATE WITH SC-17 FOR UNDEFINED DATA
- 4.) REFER TO SC-16 FOR MEDIAN MARKINGS.

BNGINEERING DIVISION

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T1: TAPER LENGTH

DS>40: T1=DSxWA

 $DS<45: T1=DS^2 \times WA$

60

COUNTY OF SUSSEX
DEPARTMENT OF ENGINEERING AND PLANNING
STANDARD DETAILS

DESIRABLE AUXILIARY LANE LAYOUT-OFFSET

