

**RESOLUTION NO. 2017- 13**

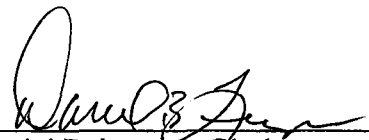
**A RESOLUTION ADOPTING THE UPDATED STANDARD DETAILS FOR NASSAU COUNTY, FLORIDA ROADWAYS AND DRAINAGE STANDARDS AND AN UPDATED MAJOR/MINOR COLLECTOR ROADS LISTING IN NASSAU COUNTY, FLORIDA**

WHEREAS, the Public Works Director has recommended that the Board of County Commissioners of Nassau County, Florida, adopt the updated standard details for Nassau County, Florida Roadways and Drainage Standards and an updated Major/Minor Collector Roads Listing;

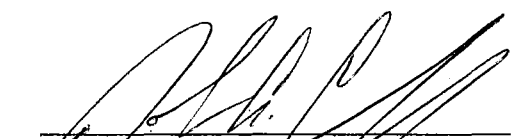
NOW, THEREFORE, BE IT RESOLVED, this 13th day of February, 2017, by the Board of County Commissioners of Nassau County, Florida adopt:

- 1. The updated standard details for Nassau County, Florida Roadways and Drainage Standards and an updated Major/Minor Collector Roads listing.


BOARD OF COUNTY COMMISSIONERS  
NASSAU COUNTY, FLORIDA

  
Daniel B. Leeper, Chair

Attest as to Chairman's signature:

  
John A. Crawford  
Its: Ex-Officio Clerk

Approved as to form by the  
Nassau County Attorney:

  
MICHAEL S. MULLIN

mp  
2/14/17

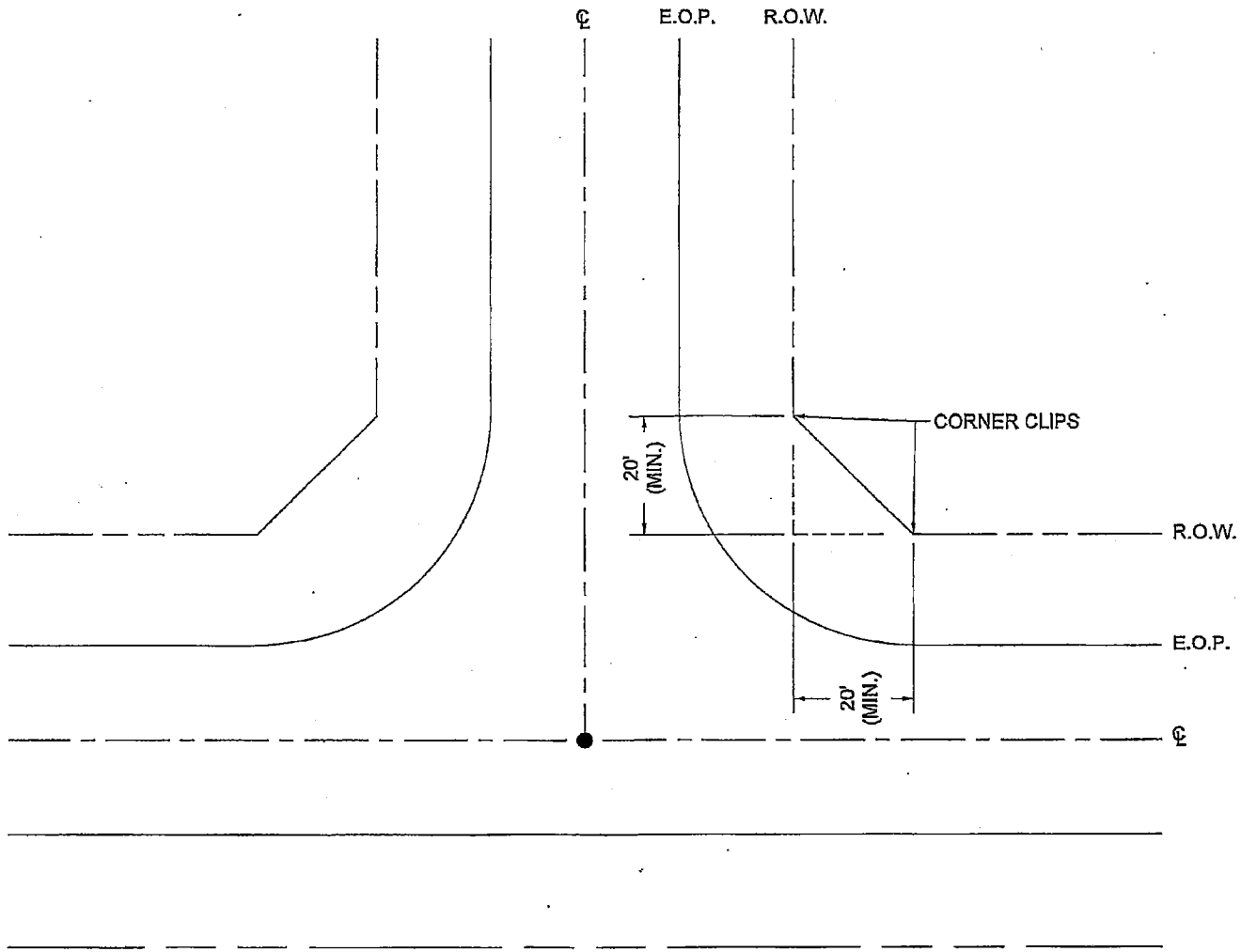
	A	B	C
1	<b>Exhibit 1</b>		
2	<b>Roadway Functional Classifications of Major and Minor Collectors</b>		
3			
4	<b>Roadway</b>	<b>From</b>	<b>To</b>
5	<b>Major Collectors:</b>		
6	S. and N. 14th Streets	Amelia Island Parkway	Egans Creek
7	Amelia Island Parkway, Julia Street	SR200	SRA1A
8	Pages Diary Road (CR200A)	US17	Chester Road
9	Blackrock Road (CR 107)	SR200	Chester Road
10	Old Nassauville Road (CR107)	SR200	Santa Juana Road
11	Chester Road	SR200	Blackrock Road
12	CR108 (Hilliard)	US17	CR121
13	CR108 (Callahan) River Road & Brandies Avenue	CR121	US1
14	CR121	US1	Duval County Line
15	Sadler Road (CR108)	SR200	Fletcher Avenue
16	Amelia Concourse	SR200	Old Nassauville Road
17	Crawford Road	US301	CR121
18	William Burgess Blvd	SR200	US17
19			
20	<b>Minor Collectors:</b>		
21	Buccaneer Trail (CR105A) Amelia Road	Amelia Island Parkway	S. Fletcher Avenue
22	Amelia Road	Amelia Island Parkway	SR200
23	Sadler Road (CR108)		
24	Lime Street	S 8th Street	Citrona Drive
25	Citrona Drive	Hickory Street	Sadler Road
26	Will Hardee Road	Sadler Road	Simmons Road
27	Simmons Road	Amelia Road	S. Fletcher Avenue
28	Jasmine Street	S. 14th Street	S. Fletcher Avenue
29	T.J. Courson Road	SR200	S. 14th Street
30	Barnwell Road	SR200	Oyster Bay Drive
31	Miner Road	SR200	Haddock Road
32	SR2 (CR2)	CR121	Georgia state line
33	Old Dixie Highway (CR115)	Henry Smith Road	US1
34	Middle Road (CR121A)	Kings Ferry Road	Griffin Road
35	Kings Ferry Road (CR115A)	CR108	Kolars Ferry Road
36	Lessie Road	CR108	Middle Road
37	Andrews Road	CR121	US1
38	CR119	CR121	US301
39	Otis Road	US301	Duval County Line
40	Ratliff Road	Thomas Creek Road	US1
41	Ford Road	US301	Duval County Line
42	Pratt Siding Road	CR115	US301
43	Harts Road	Haddock Road	US17
44	North Harts Road	SR200	Williams Burgess Blvd
45	Haddock Road	Miner Road	Harts Road
46	Bay Road (CR115)	CR121	CR108
47	Henry Smith Road	CR108	US1

	A	B	C
48	<u>Lake Hampton Road</u>	<u>US1</u>	<u>Murrhee Road</u>
49	<u>Kolar's Ferry Road</u>	<u>Murrhee Road</u>	<u>Kings Ferry Road</u>
50	<u>Griffin Road</u>	<u>Middle Road</u>	<u>SR200</u>
51	<u>Heron Isles Parkway</u>	<u>Chester Road</u>	<u>Blackrock Road</u>
52	<u>Green Pine Road</u>	<u>Chester Road</u>	<u>Blackrock Road</u>
53	<u>Bailey Road</u>	<u>SR200</u>	<u>Amelia Island Parkway</u>
54	<u>David Hallman Parkway</u>	<u>SR200</u>	<u>Chester Road</u>
55	<u>Christian Way</u>	<u>SR200</u>	<u>License Road</u>
56	<u>Christian Way (future)</u>	<u>License Road</u>	<u>Amelia Concourse</u>
57	<u>Courtney Isles Way</u>	<u>Chester Road</u>	<u>end</u>
58	<u>Courtney Isles Way (future)</u>	<u>end</u>	<u>Gene Lasserre Blvd</u>
59	<u>Edwards Road</u>	<u>SR200</u>	<u>cul de sac</u>
60	<u>Musselwhite Road</u>	<u>Griffin Road</u>	<u>US 1</u>
61	<u>Thomas Creek Road</u>	<u>US301</u>	<u>Duval County Line</u>
62	<u>Murrhee Road</u>	<u>US1</u>	<u>Lake Hampton Road</u>
63	<u>Eastwood Road</u>	<u>US1</u>	<u>CR108</u>
64	<u>Flora Parke Blvd</u>	<u>SR200</u>	<u>Amelia Concourse</u>
65	<u>North Hampton Club Way</u>	<u>Amelia Concourse</u>	<u>cul de sac</u>
66	<u>Timber Creek Blvd</u>	<u>SR200</u>	<u>cul de sac</u>
67			
68	Exhibit 1 to Ordinance 99-17, can be amended by Nassau County Board of		
69	County Commissioners, as needed.		

## Nassau County Roadway & Drainage Design Standard Details

<u>Detail</u>	<u>Description</u>
1	Right of Way Corner Clips
2	Local Road - 2 Lane, Typical Swale Section, 60' Right of Way
3	Local Road - 2 Lane, Typical Curb & Gutter Section, 60' Right of Way
4	Local Road - 2 Lane, Typical Curb & Gutter Section, 50' Right of Way
5	Minor Collector - 2 Lane, Typical Swale Section, 90' Right of Way
6	Minor Collector - 2 Lane, Typical Curb & Gutter Section, 80' Right of Way
7	Major Collector - 2 Lane, Typical Swale Section, 100' Right of Way
8	Major Collector - 2 Lane, Typical Curb & Gutter Section, 80' Right of Way
9	Minor Collector - 4 Lane, Typical Swale Section, 130' Right of Way
10	Minor Collector - 4 Lane, Typical Curb & Gutter Section, 110' Right of Way
11	Major Collector - 4 Lane, Typical Swale Section, 150' Right of Way
12	Major Collector - 4 Lane, Typical Curb & Gutter Section, 130' Right of Way
13	Residential Cul-de-sac -- Typical Swale and Curb & Gutter Sections
14	Curb and Curb & Gutter Typical Construction Detail
15	Open Road Cuts -- Flowable Fill
16	Open Road Cuts -- Compacted Fill
17	Typical Utility Location Plan -- 60' Right of Way
18	Typical Utility Location Plan -- 50' Right of Way
19	Wet Detention Pond Typical Detail
20	Dry Detention Typical Detail
21	Stop and Street Marker Combination -- Typical Installation
22	Typical Graded Roadway Section
23	Typical Section Un-paved Private Road

The standard details can be amended by resolution of the Nassau County Board of County Commissioners



ROADWAY AND DRAINAGE STANDARDS  
 NASSAU COUNTY PUBLIC WORKS  
 ENGINEERING SERVICES DEPARTMENT

REVISION DATES

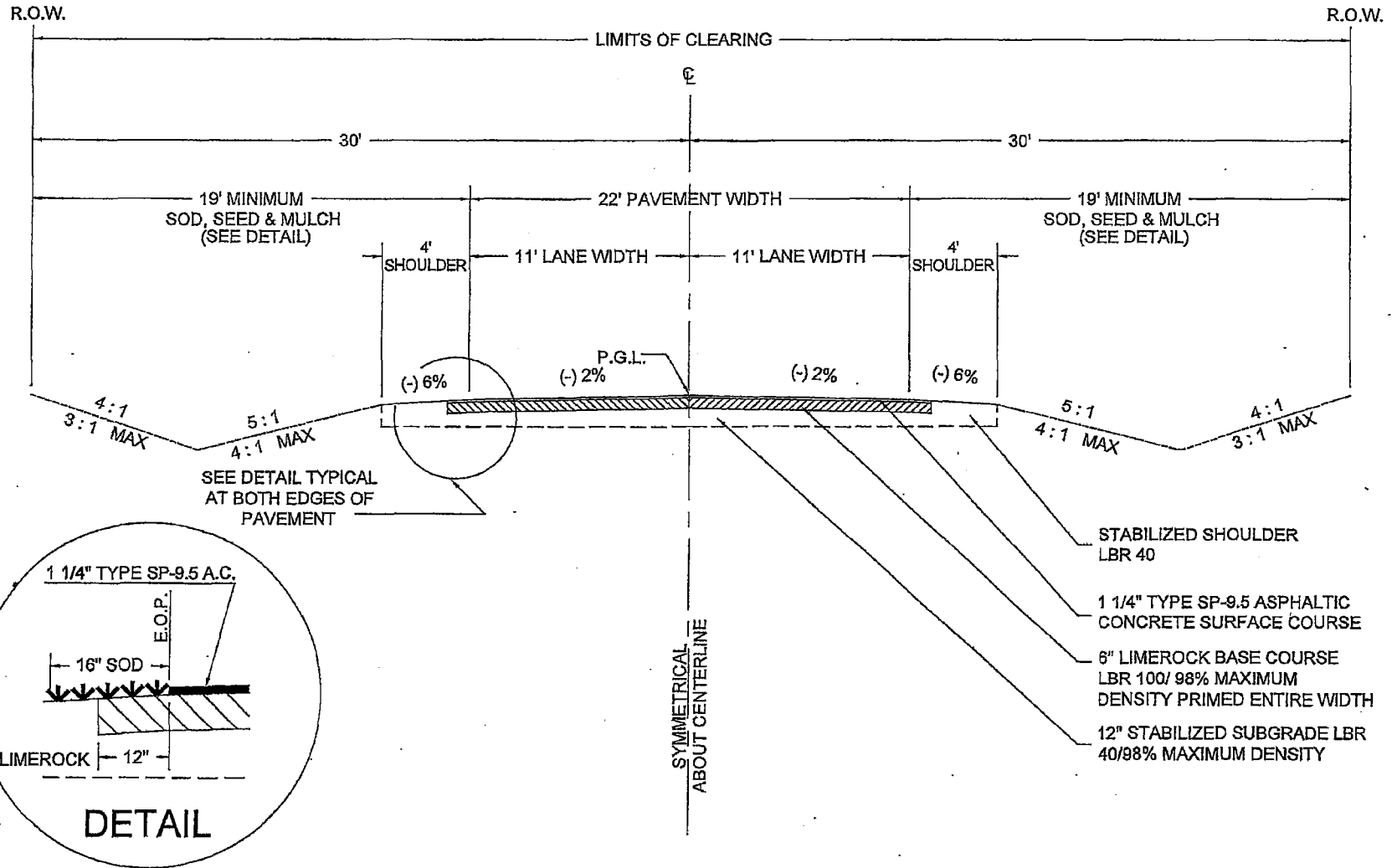

## RIGHT-OF-WAY CORNER CLIPS

DETAIL NO. 1

DWG:

ADOPTED:

# RIGHT-OF-WAY WIDTH: 60 FEET



OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

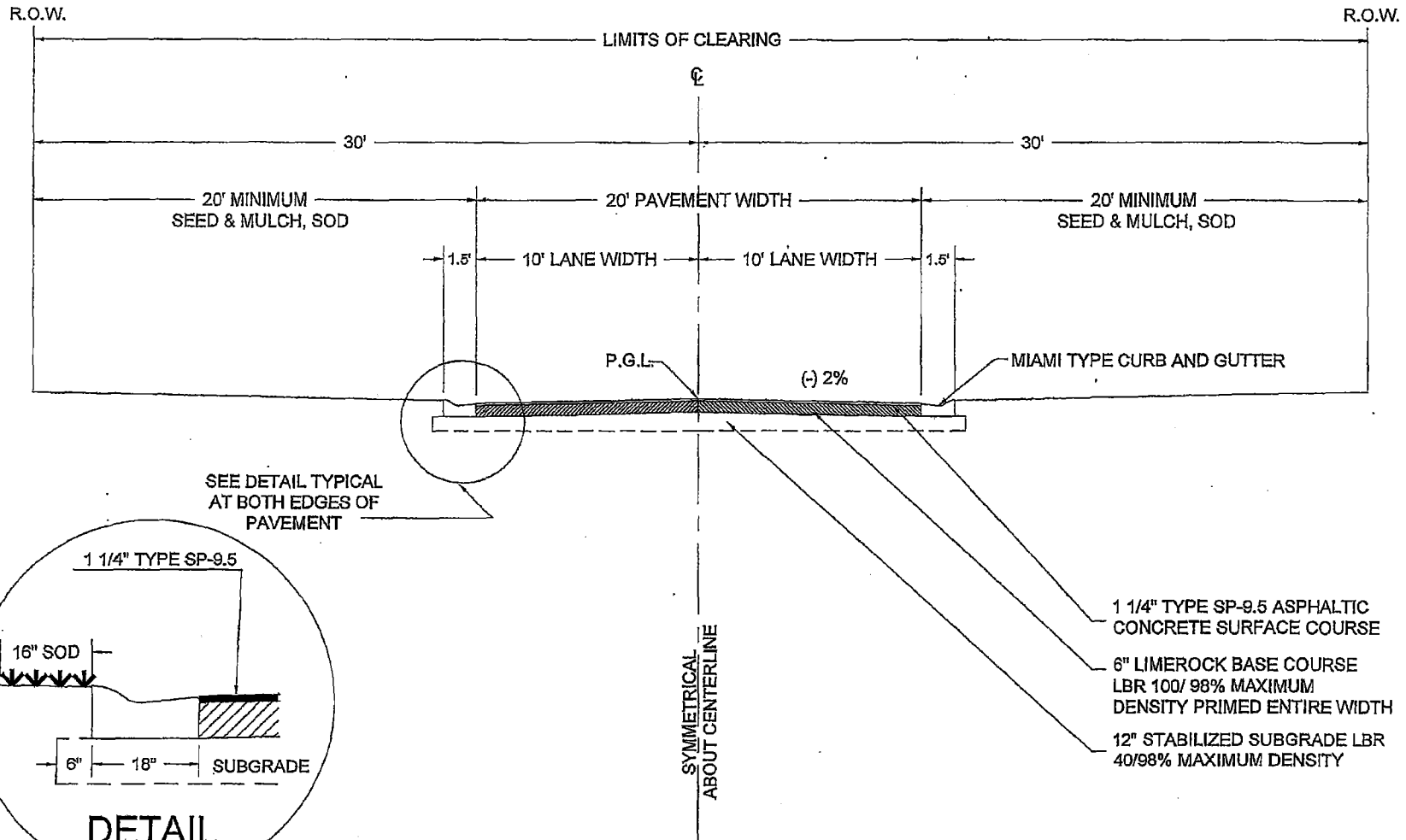
STRUCTURAL NUMBER: 2.59

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	

## LOCAL ROAD - 2 LANE TYPICAL SWALE SECTION

DETAIL NO. 2
DWG:
ADOPTED:

# RIGHT-OF-WAY WIDTH: 60 FEET

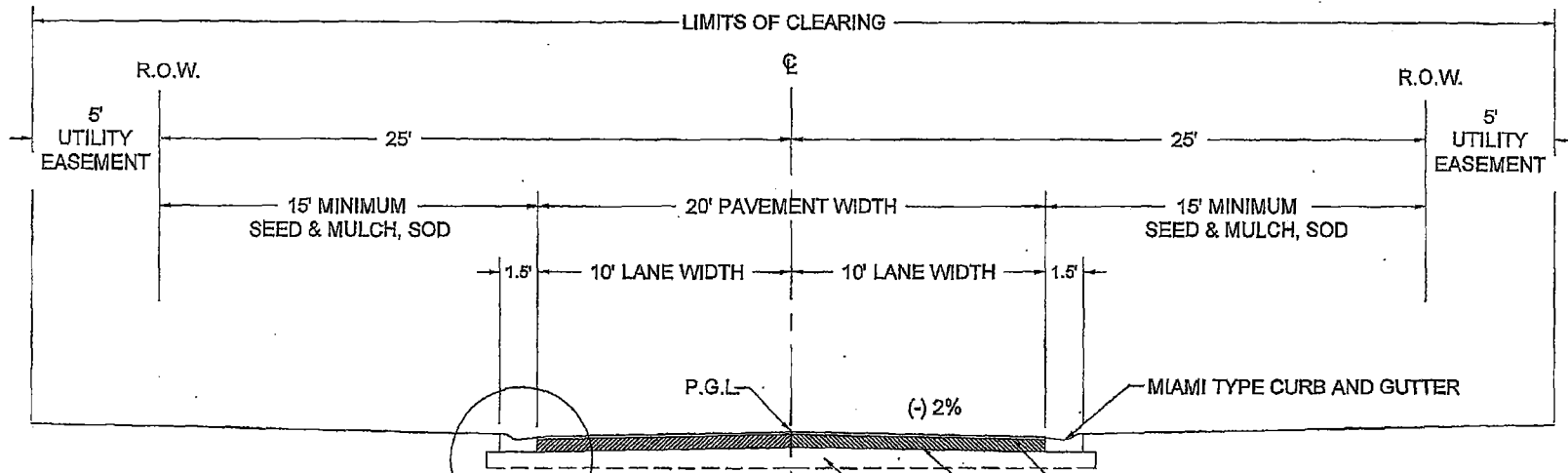


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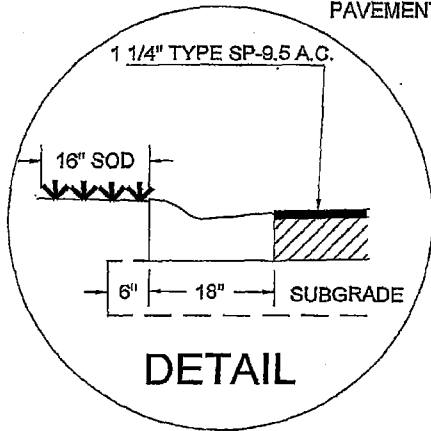
OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">LOCAL ROAD - 2 LANE</h2> <h3 style="margin: 0;">CURB &amp; GUTTER TYPICAL SECTION</h3>	DETAIL NO. 3
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 50 FEET



SEE DETAIL TYPICAL  
AT BOTH EDGES OF  
PAVEMENT



**DETAIL**

- 1 1/4" TYPE SP-9.5 ASPHALTIC CONCRETE SURFACE COURSE
- 6" LIMEROCK BASE COURSE LBR 100/ 98% MAXIMUM DENSITY PRIMED ENTIRE WIDTH
- 12" STABILIZED SUBGRADE LBR 40/98% MAXIMUM DENSITY

STRUCTURAL NUMBER: 2.59

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES

NO.	DATE	DESCRIPTION

## LOCAL ROAD - 2 LANE CURB & GUTTER TYPICAL SECTION

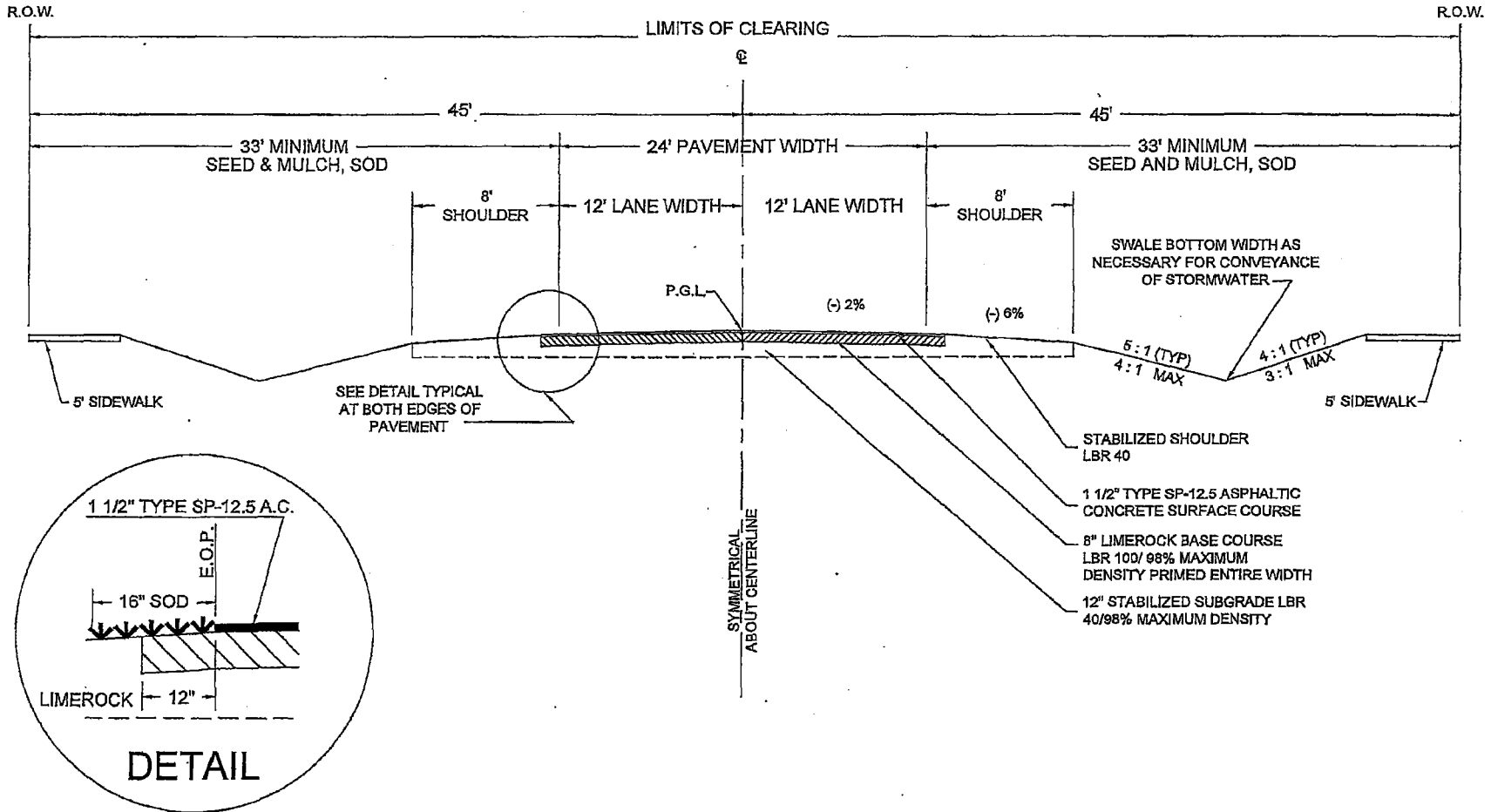
DETAIL NO. 4

DWG:

ADOPTED:



# RIGHT-OF-WAY WIDTH: 90 FEET

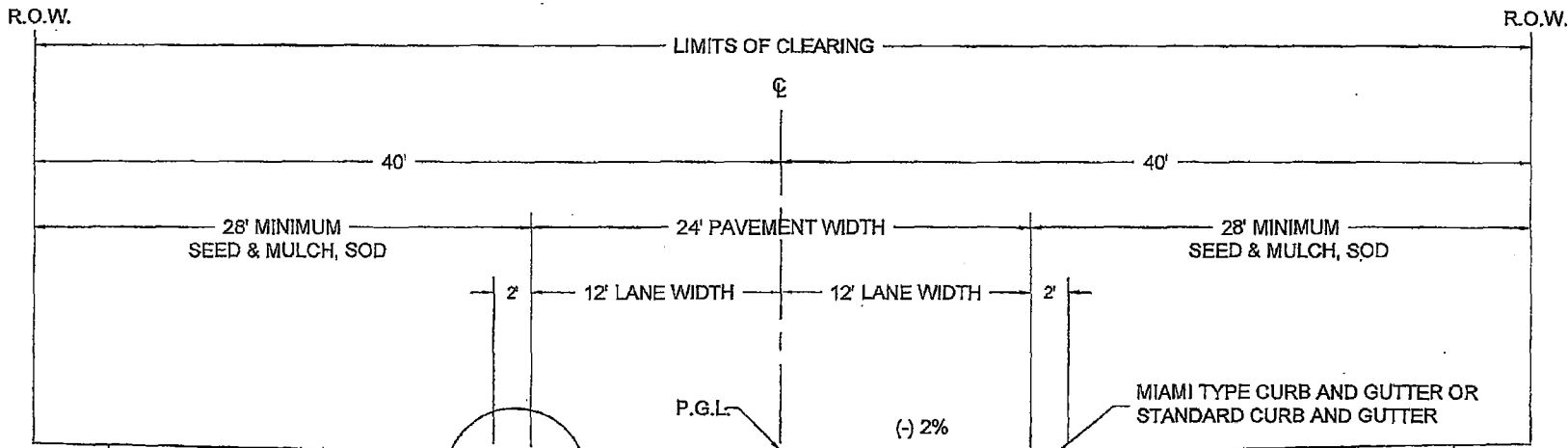


STRUCTURAL NUMBER: 2.70

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

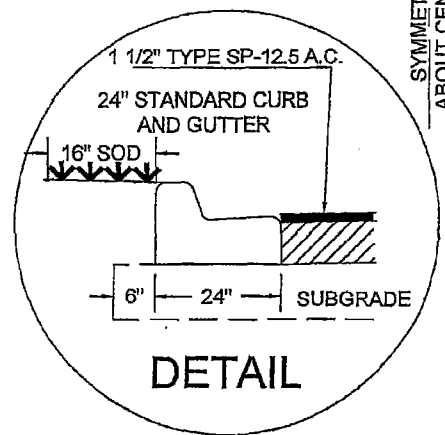
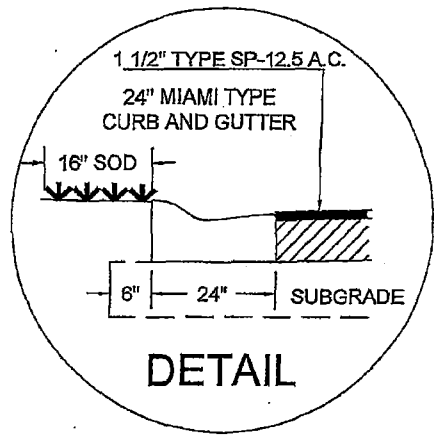
ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">MINOR COLLECTOR - 2 LANE SWALE TYPICAL SECTION</h2>	DETAIL NO. 5
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 80 FEET



5' SIDEWALK  
SEE DETAIL TYPICAL AT BOTH EDGES OF PAVEMENT

SIDEWALK LOCATION WITHIN R.O.W. MAY VARY DEPENDING ON PROJECT, UTILITY PLACEMENT, AND SAFETY REQUIREMENTS



- 1 1/2" TYPE SP-12.5 ASPHALTIC CONCRETE SURFACE COURSE
- 8" LIMEROCK BASE COURSE LBR 100/ 98% MAXIMUM DENSITY PRIMED ENTIRE WIDTH
- 12" STABILIZED SUBGRADE LBR 40/98% MAXIMUM DENSITY

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

STRUCTURAL NUMBER: 2.70

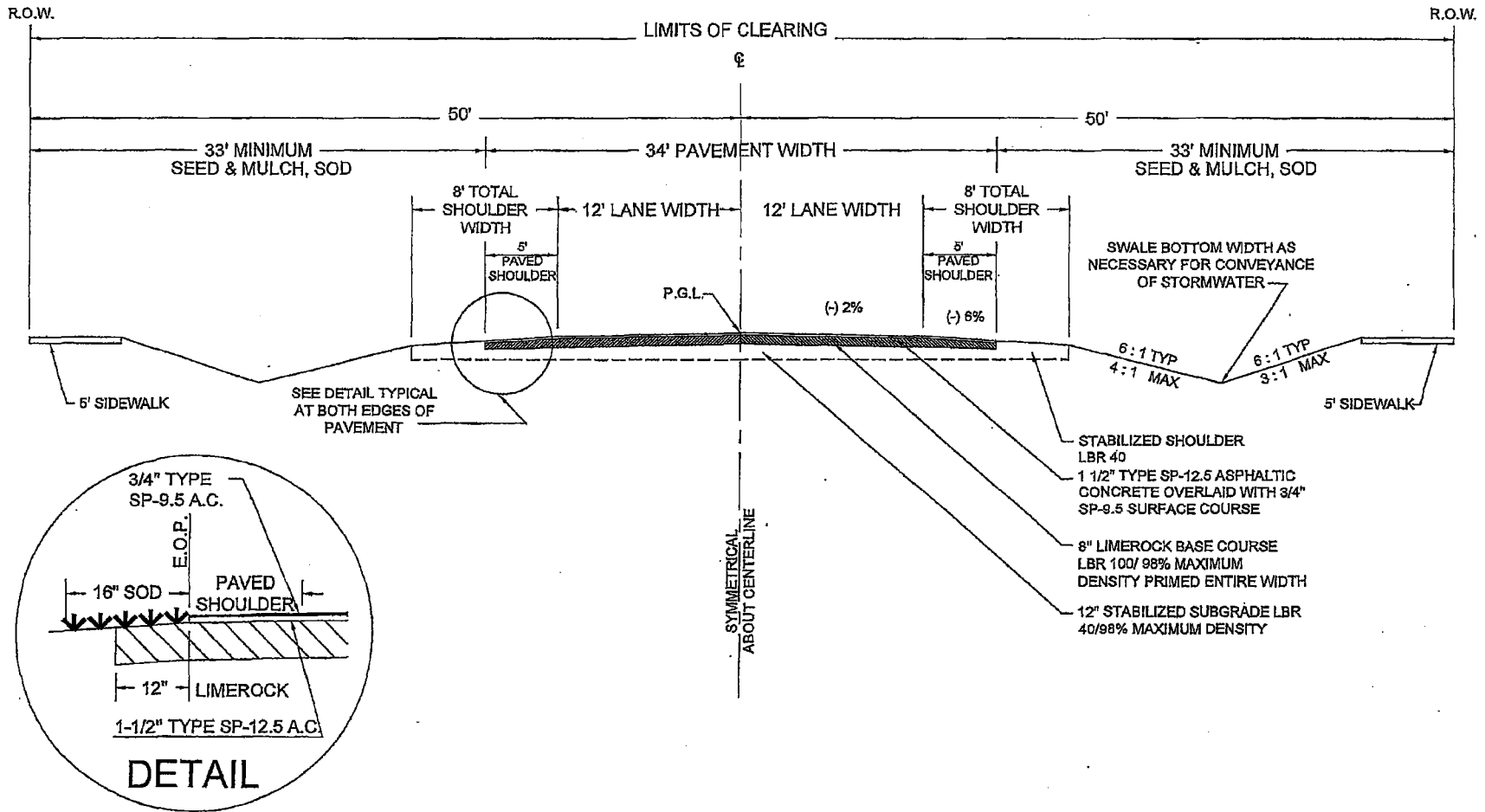
ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES	

## MINOR COLLECTOR - 2 LANE CURB & GUTTER TYPICAL SECTION

DETAIL NO. 6  
DWG:  
ADOPTED:

# RIGHT-OF-WAY WIDTH: 100 FEET

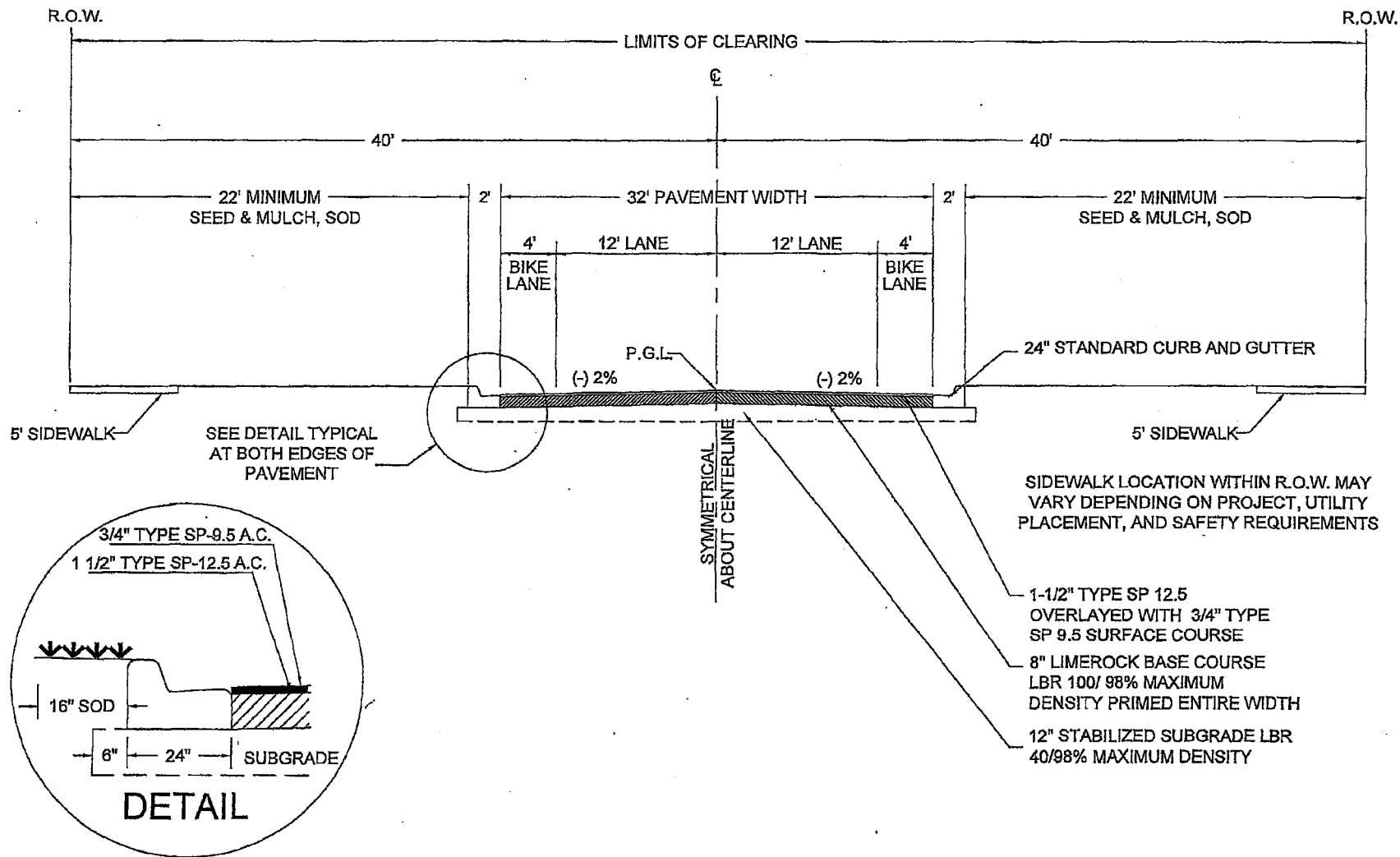


STRUCTURAL NUMBER: 3,28

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">MAJOR COLLECTOR - 2 LANE SWALE TYPICAL SECTION</h2>	DETAIL NO. 7
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 80 FEET

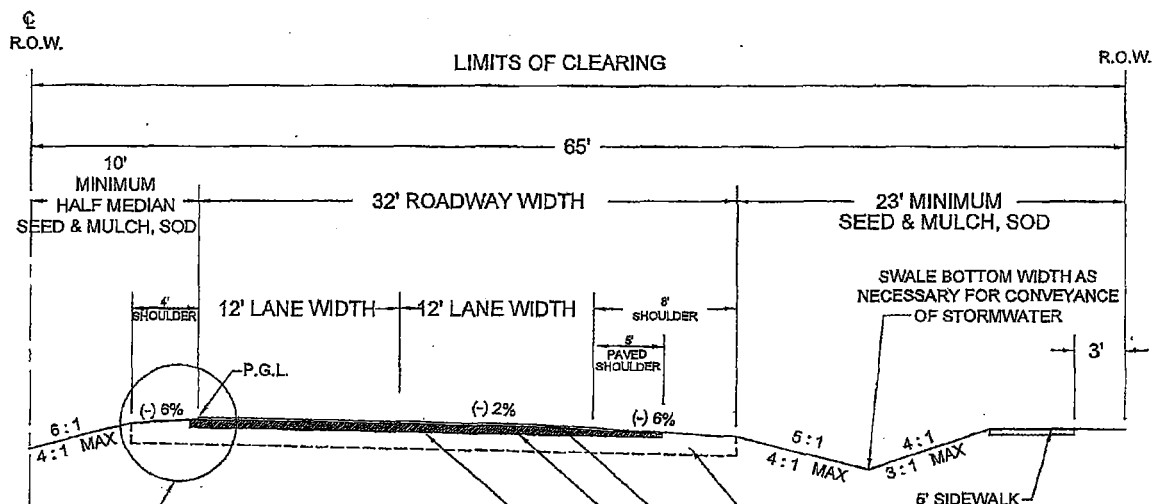


STRUCTURAL NUMBER: 3.28

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">MAJOR COLLECTOR - 2 LANE CURB &amp; GUTTER TYPICAL SECTION</h2>	DETAIL NO. 8
			DWG:
			ADOPTED:

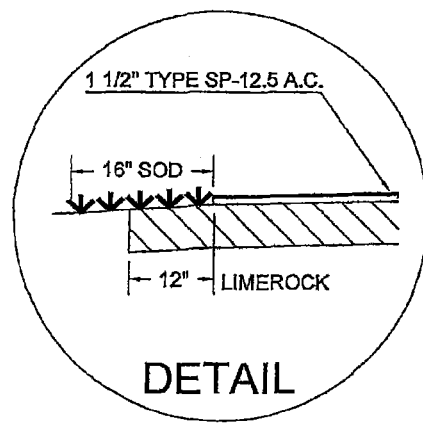
# RIGHT-OF-WAY WIDTH: 130 FEET (HALF SECTION SHOWN)



SYMMETRICAL ABOUT CENTERLINE

SEE DETAIL TYPICAL AT BOTH EDGES OF PAVEMENT

- 12" STABILIZED SHOULDER LBR 40/98% MAXIMUM DENSITY
- 1 1/2" TYPE SP-12.5 ASPHALTIC CONCRETE SURFACE COURSE
- 8" LIMEROCK BASE COURSE LBR 100/ 98% MAXIMUM DENSITY PRIMED ENTIRE WIDTH
- 12" STABILIZED SUBGRADE LBR 40/98% MAXIMUM DENSITY



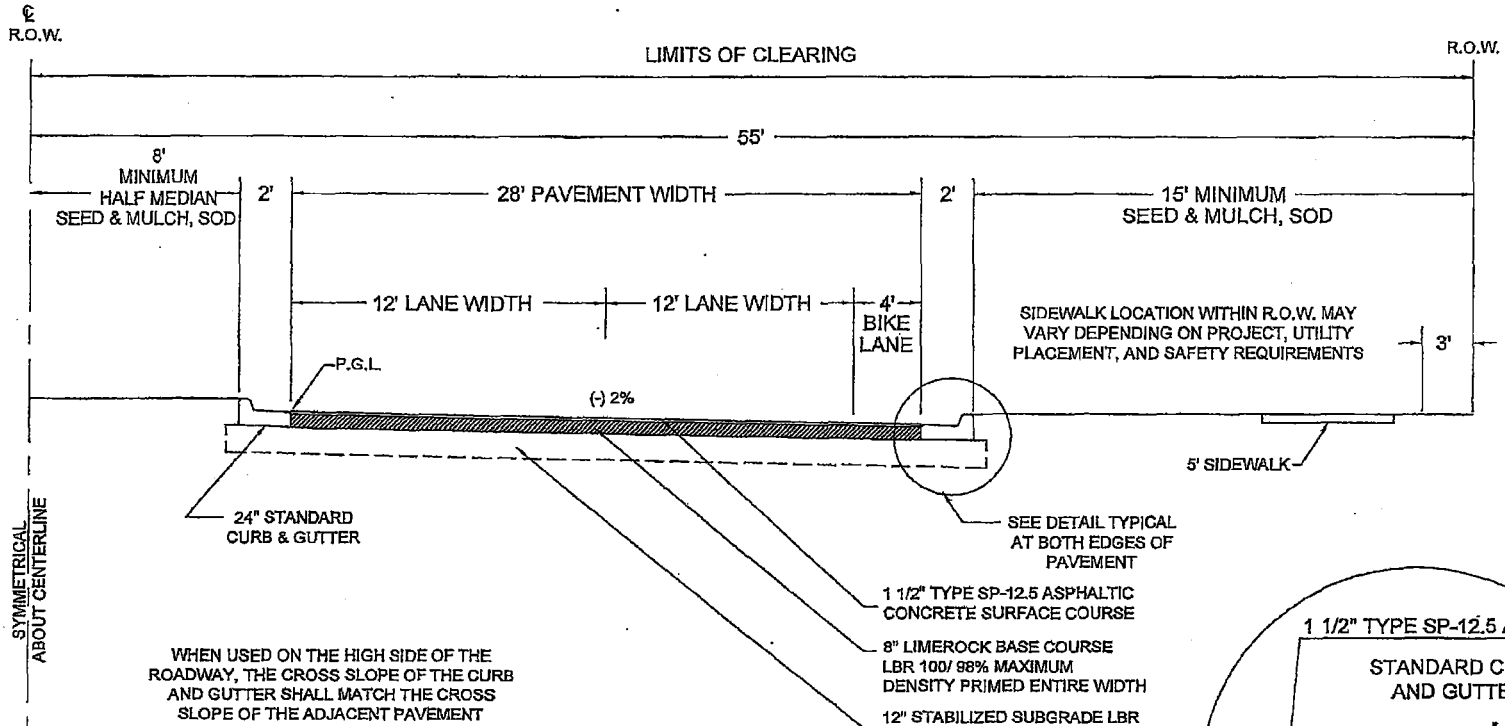
DETAIL

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

STRUCTURAL NUMBER: 270

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">MINOR COLLECTOR - 4 LANE TYPICAL SWALE SECTION</h2>	DETAIL NO. 9
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 110 FEET (HALF SECTION SHOWN)

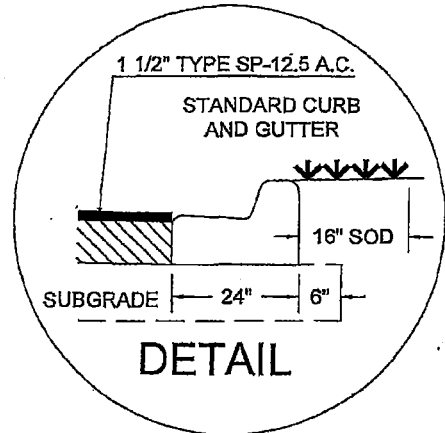


SYMMETRICAL ABOUT CENTERLINE

WHEN USED ON THE HIGH SIDE OF THE ROADWAY, THE CROSS SLOPE OF THE CURB AND GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT

- 1 1/2" TYPE SP-12.5 ASPHALTIC CONCRETE SURFACE COURSE
- 8" LIMEROCK BASE COURSE LBR 100/ 98% MAXIMUM DENSITY PRIMED ENTIRE WIDTH
- 12" STABILIZED SUBGRADE LBR 40/98% MAXIMUM DENSITY

SEE DETAIL TYPICAL AT BOTH EDGES OF PAVEMENT

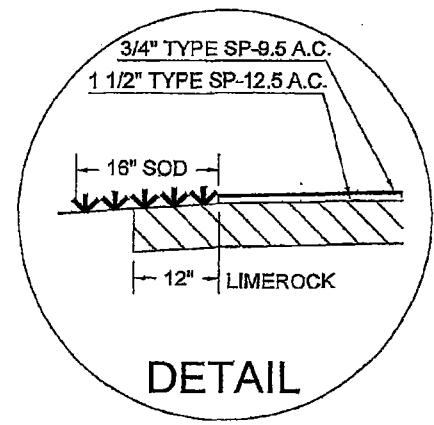
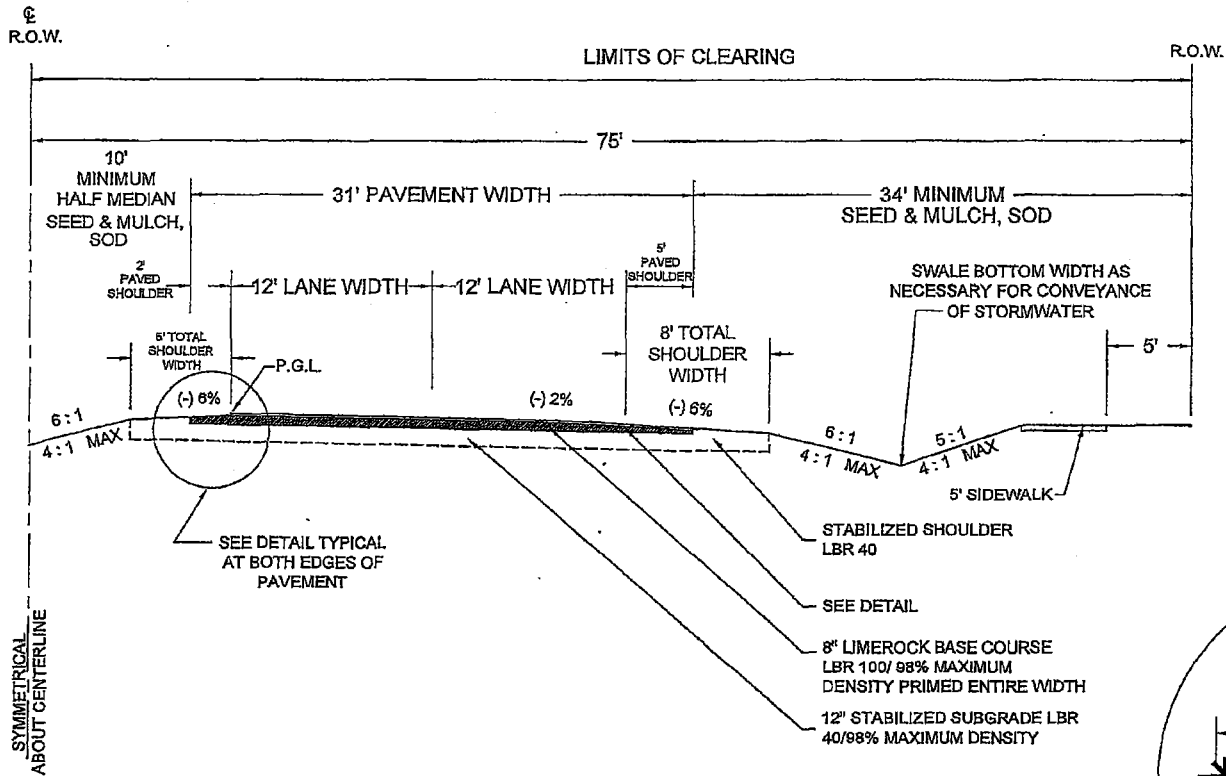


STRUCTURAL NUMBER: 2.70

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION	DATES	<h2 style="margin: 0;">MINOR COLLECTOR - 4 LANE TYPICAL CURB &amp; GUTTER SECTION</h2>	DETAIL NO. 10
				DWG:
				ADOPTED:

# RIGHT-OF-WAY WIDTH: 150 FEET (HALF SECTION SHOWN)



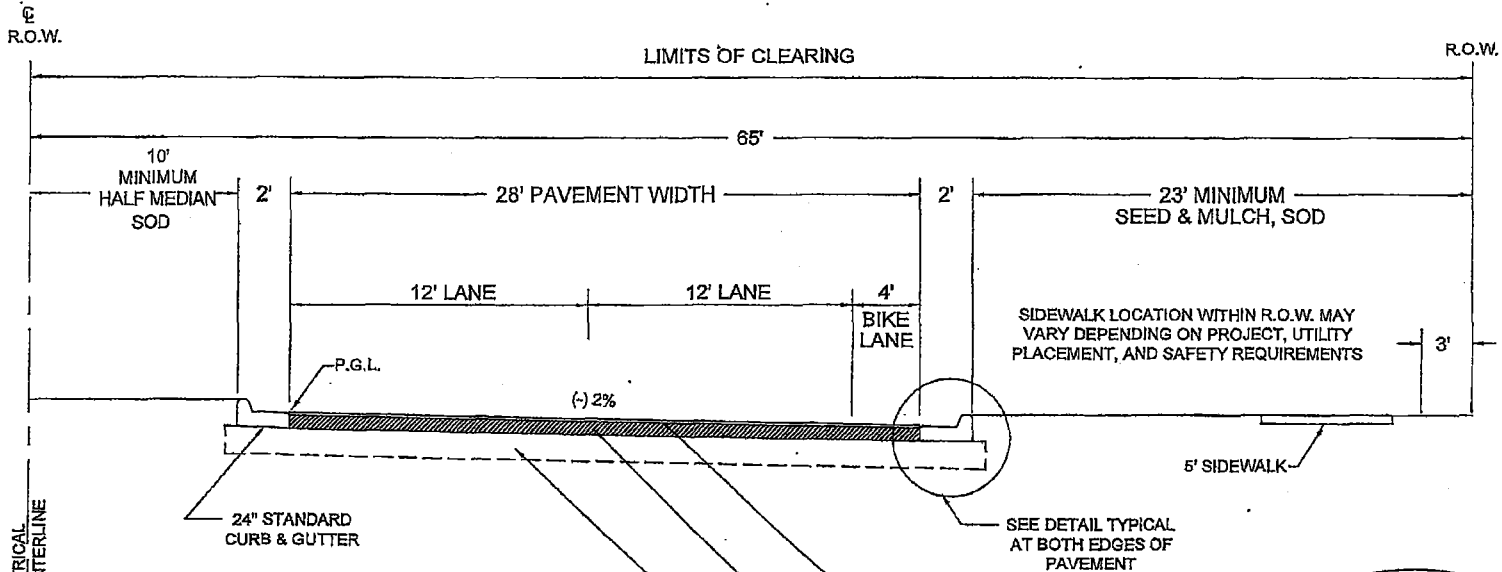
**DETAIL**

OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

STRUCTURAL NUMBER: 3.28

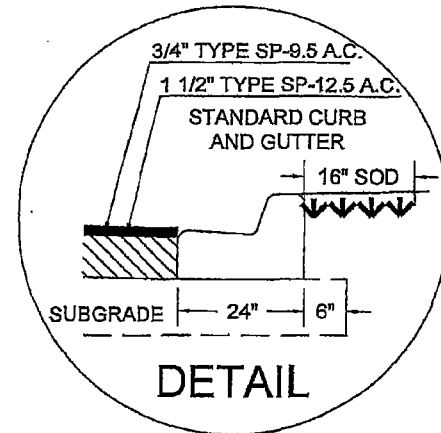
ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">MAJOR COLLECTOR - 4 LANE SWALE TYPICAL SECTION</h2>	DETAIL NO. 11
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 130 FEET (HALF SECTION SHOWN)



WHEN USED ON THE HIGH SIDE OF THE ROADWAY, THE CROSS SLOPE OF THE CURB AND GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT

- SEE DETAIL
- SEE DETAIL TYPICAL AT BOTH EDGES OF PAVEMENT
- SEE DETAIL
- 8" LIMEROCK BASE COURSE  
LBR 100/ 98% MAXIMUM DENSITY PRIMED ENTIRE WIDTH
- 12" STABILIZED SUBGRADE LBR  
40/98% MAXIMUM DENSITY



OPTIONAL BASE MATERIALS MAY BE ACCEPTABLE UPON APPROVAL BY THE ENGINEERING SERVICES DEPARTMENT

STRUCTURAL NUMBER: 3.28

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES

NO.	DATE	DESCRIPTION

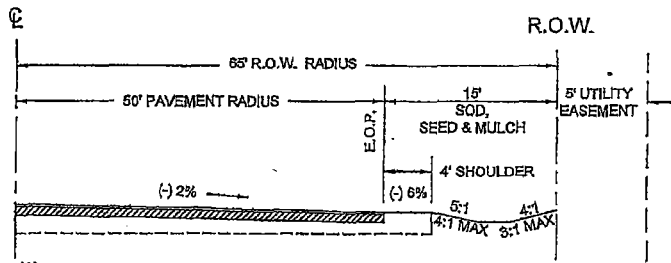
## MAJOR COLLECTOR - 4 LANE TYPICAL CURB & GUTTER SECTION

DETAIL NO. 12

DWG:

ADOPTED:

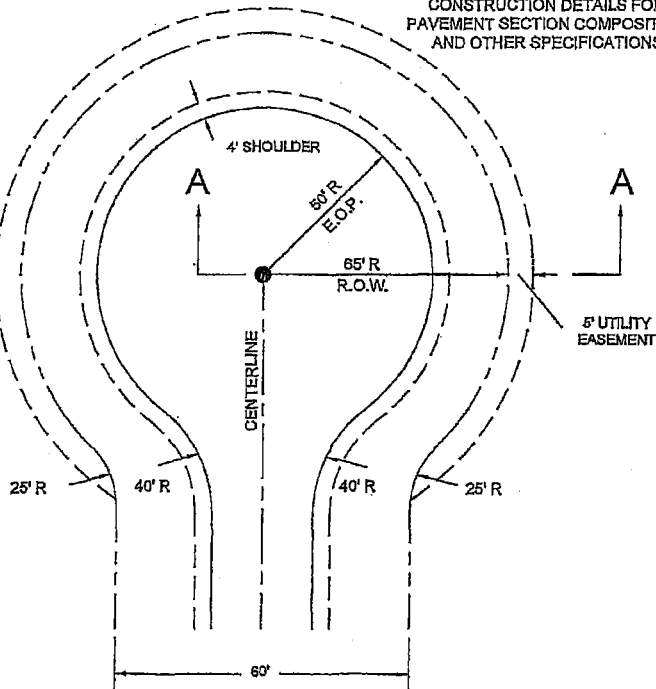




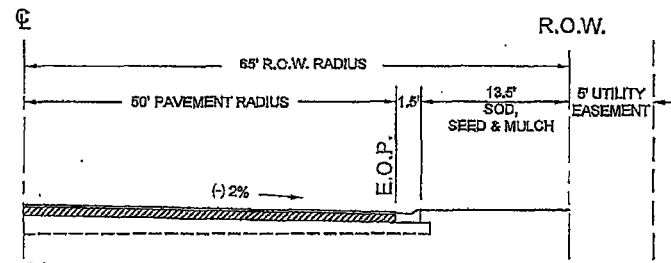
SECTION AA

SYMMETRICAL ABOUT CENTERLINE

REFERENCE MINOR ROADWAY CONSTRUCTION DETAILS FOR PAVEMENT SECTION COMPOSITION AND OTHER SPECIFICATIONS



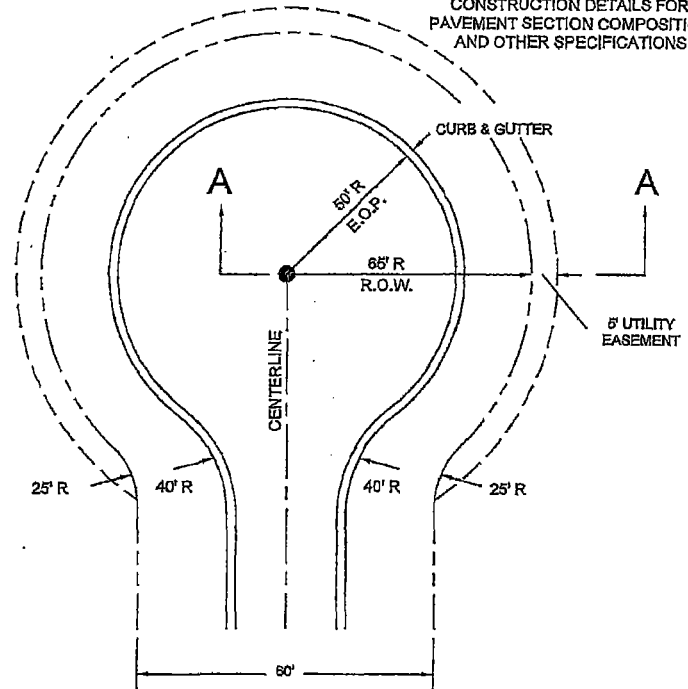
SWALE SECTION



SECTION AA

SYMMETRICAL ABOUT CENTERLINE

REFERENCE ROADWAY CONSTRUCTION DETAILS FOR PAVEMENT SECTION COMPOSITION AND OTHER SPECIFICATIONS



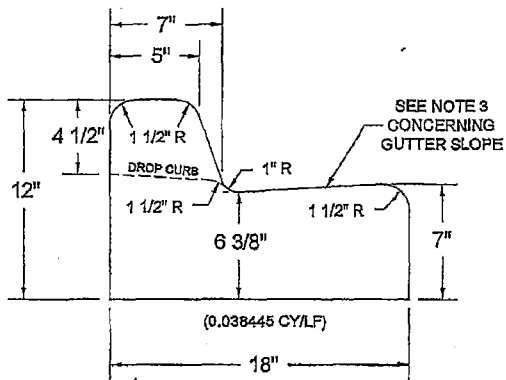
CURB AND GUTTER SECTION

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

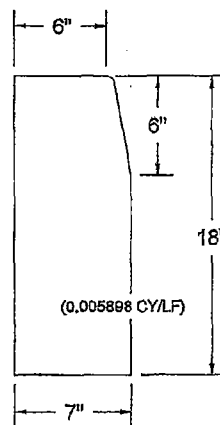
REVISION DATES	

## RESIDENTIAL CUL-DE-SAC CONSTRUCTION TYPICAL DETAIL

DETAIL NO. 13  
DWG:  
ADOPTED:

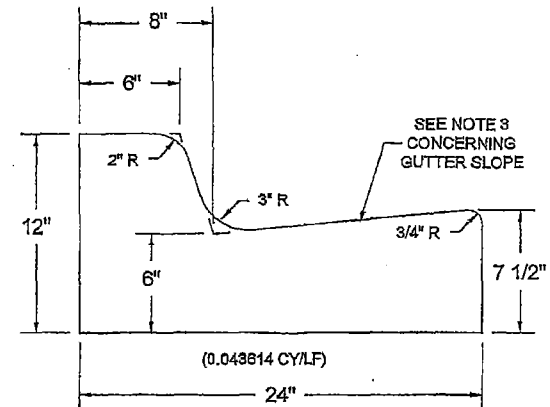


**18" CURB & GUTTER**  
SPECIFIC USE: LOCAL ROAD CLASSES



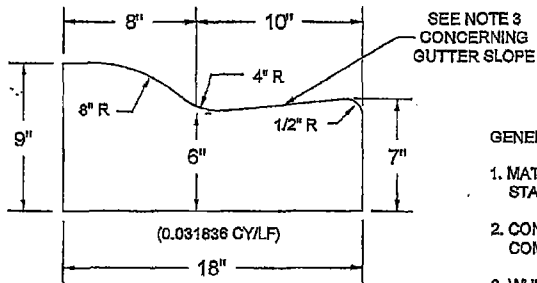
**HEADER CURB**

SPECIFIC USE: PARKING LOTS, TREE PROTECTION, ETC. NOT FOR USE IN ROADWAYS UNLESS APPROVED BY THE ENGINEERING SERVICES DEPARTMENT



**F.D.O.T. STANDARD TYPE "F" CURB AND GUTTER**

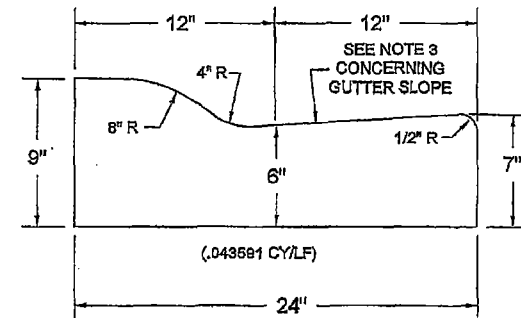
SPECIFIC USE: LOCAL, MINOR COLLECTOR AND MAJOR COLLECTOR ROADWAY CLASSES



**18" MIAMI TYPE CURB & GUTTER**  
SPECIFIC USE: LOCAL ROAD CLASSES

**GENERAL NOTES:**

1. MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. CONCRETE SHALL BE CLASS 1 CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
3. WHEN USED ON THE HIGH SIDE OF SUPER ELEVATED ROADWAY SECTIONS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. WHERE THIS CONDITION IS ENCOUNTERED, THE FRONT FACE VERTICAL DIMENSION SHALL REMAIN AS SHOWN FOR NORMAL SECTIONS SHOWN HEREON.



**24" MIAMI TYPE CURB & GUTTER**  
SPECIFIC USE: LOCAL AND MINOR COLLECTOR ROADWAY CLASSES

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

**REVISION DATES**

NO.	DATE	DESCRIPTION

**CURB AND CURB & GUTTER  
TYPICAL CONSTRUCTION DETAILS**

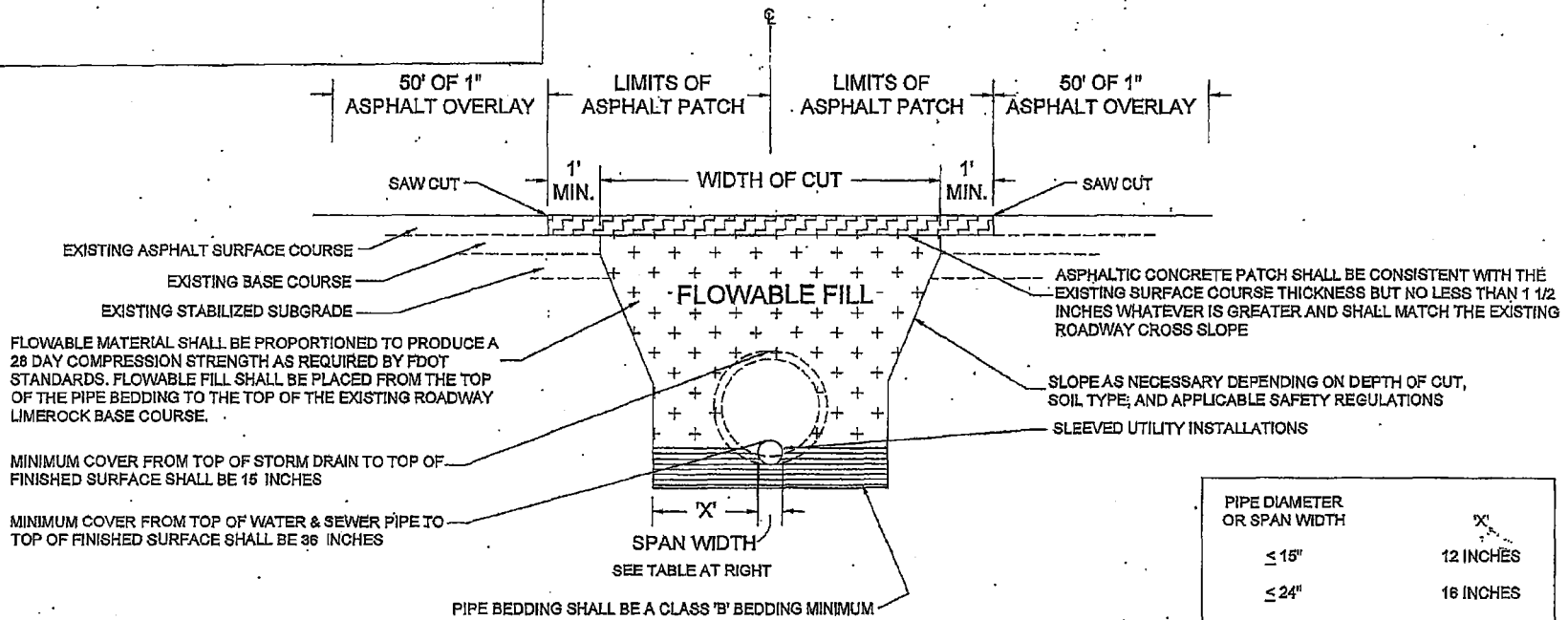
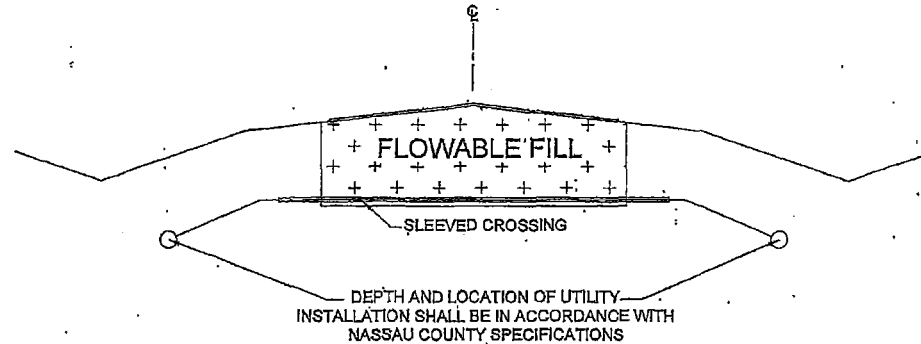
DETAIL NO. 14

DWG:

ADOPTED:

**NOTES:**

1. OPEN ROAD CUTS ARE GENERALLY NOT AN ACCEPTABLE MEANS OF CONSTRUCTION UNLESS APPROVED IN ADVANCE BY THE ENGINEERING SERVICES DEPARTMENT.
2. MATERIALS, MIX PROPORTIONS, PRODUCTION, PLACING, CONSTRUCTION REQUIREMENTS, AND ACCEPTANCE OF FLOWABLE FILL SHALL BE IN ACCORDANCE WITH NASSAU COUNTY SPECIFICATIONS.
3. ALL OPEN CUTS SHALL REQUIRE A PERMIT AND 48 HOUR ADVANCE NOTICE TO THE ENGINEERING SERVICES DEPARTMENT INSPECTION STAFF PRIOR TO COMMENCEMENT OF CONSTRUCTION. A REPRESENTATIVE FROM THE COUNTY'S INSPECTION STAFF MUST BE PRESENT AT THE TIME OF INSTALLATION OF THE UTILITY.
4. PUBLIC SAFETY SHALL BE MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROVISIONS OF PART 6, WORK ZONE TRAFFIC CONTROL, OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE FDOT STANDARDS, LATEST EDITION.
5. THE CONTRACTOR SHALL PROVIDE TO THE NASSAU COUNTY CEI CERTIFICATION OF THE MIX DESIGN FROM THE SUPPLIER AT THE TIME OF CONSTRUCTION.
6. 1" ASPHALT OVERLAY LONGITUDINALLY, TO BE 50' EACH WAY FROM LIMITS OF PATCH / REPAIR (OR VARIED BY THE ENGINEERING SERVICES DEPARTMENT)



PIPE DIAMETER OR SPAN WIDTH	
≤ 15"	12 INCHES
≤ 24"	16 INCHES
≤ 30"	24 INCHES
≥ 30"	36 INCHES

ROADWAY AND DRAINAGE STANDARDS  
 NASSAU COUNTY PUBLIC WORKS  
 ENGINEERING SERVICES DEPARTMENT

REVISION DATES	

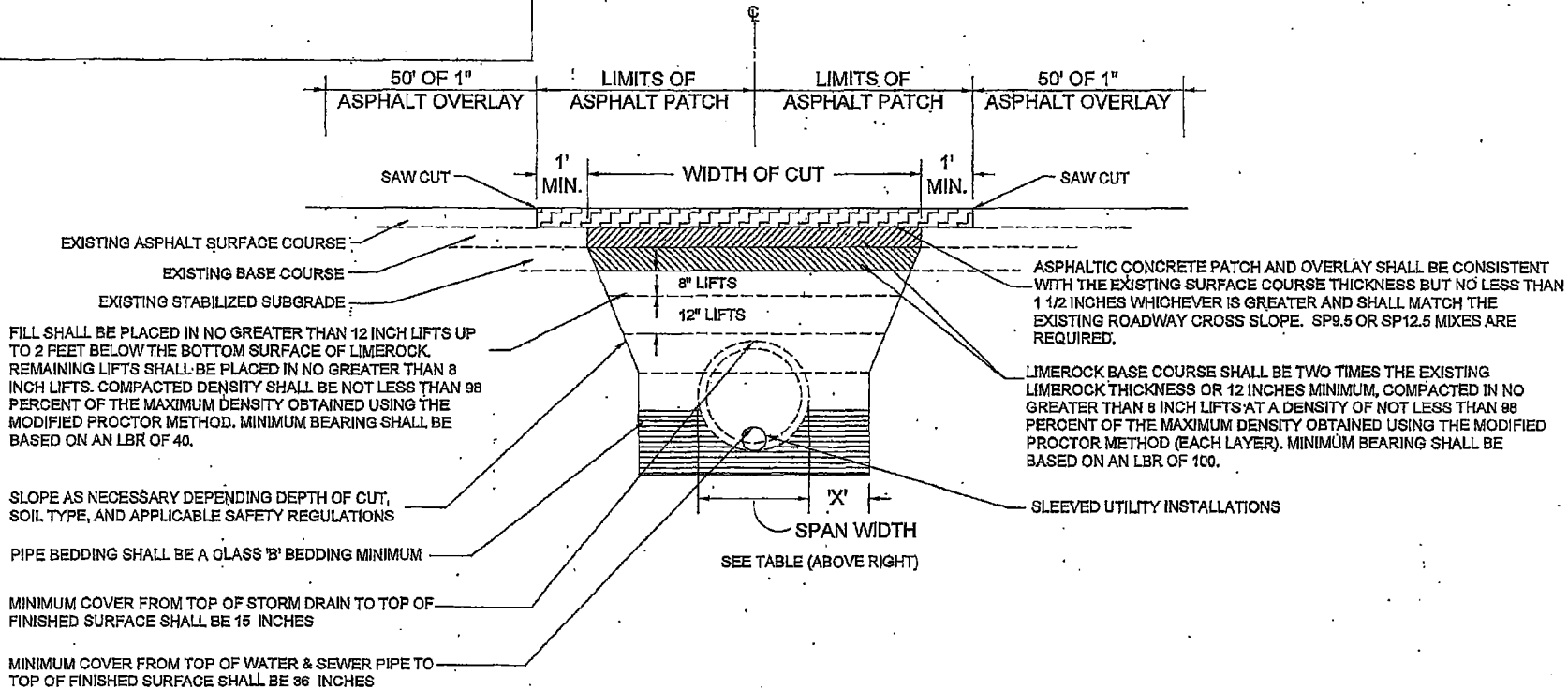
**OPEN ROAD CUTS / FLOWABLE FILL**

DETAIL NO. 15  
 DWG:  
 ADOPTED:

**NOTES:**

1. TEST REPORTS FOR DENSITY AND BEARING SHALL BE REQUIRED FOR ALL COMPACTED LIFTS.
2. SOIL BEARING MAY BE DETERMINED BY A STATIC CONE PENETROMETER.
3. FLOWABLE FILL IS THE PREFERRED ALTERNATIVE FOR ALL BACKFILL REQUIREMENTS. (SEE OPEN ROADWAY CUT DETAIL NO. 15 FOR USE OF FLOWABLE FILL.)
4. PUBLIC SAFETY SHALL BE MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROVISIONS OF PART 6, TEMPORARY TRAFFIC CONTROL, OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NASSAU COUNTY ROAD CLOSURE POLICY.
5. ALL OPEN ROADWAY CUTS SHALL REQUIRE A 24 HOUR ADVANCE NOTICE TO THE ENGINEERING SERVICES DEPARTMENT INSPECTION STAFF PRIOR TO COMMENCEMENT OF CONSTRUCTION. A REPRESENTATIVE FROM THE HIGHWAY INSPECTION STAFF MUST BE PRESENT AT THE TIME OF INSTALLATION OF THE UTILITY.
6. 1" ASPHALT OVERLAY LONGITUDINALLY, TO BE 50' EACH WAY FROM LIMITS OF PATCH / REPAIR (OR VARIED BY THE ENGINEERING SERVICES DEPARTMENT)

PIPE DIAMETER OR SPAN WIDTH	'X'
≤ 12"	12 INCHES
≤ 30"	24 INCHES
≤ 42"	30 INCHES
≤ 48"	36 INCHES
≤ 60"	42 INCHES
> 60"	48 INCHES



FILL SHALL BE PLACED IN NO GREATER THAN 12 INCH LIFTS UP TO 2 FEET BELOW THE BOTTOM SURFACE OF LIMEROCK. REMAINING LIFTS SHALL BE PLACED IN NO GREATER THAN 8 INCH LIFTS. COMPACTED DENSITY SHALL BE NOT LESS THAN 98 PERCENT OF THE MAXIMUM DENSITY OBTAINED USING THE MODIFIED PROCTOR METHOD. MINIMUM BEARING SHALL BE BASED ON AN LBR OF 40.

SLOPE AS NECESSARY DEPENDING DEPTH OF CUT, SOIL TYPE, AND APPLICABLE SAFETY REGULATIONS

PIPE BEDDING SHALL BE A CLASS 'B' BEDDING MINIMUM

MINIMUM COVER FROM TOP OF STORM DRAIN TO TOP OF FINISHED SURFACE SHALL BE 15 INCHES

MINIMUM COVER FROM TOP OF WATER & SEWER PIPE TO TOP OF FINISHED SURFACE SHALL BE 36 INCHES

ASPHALTIC CONCRETE PATCH AND OVERLAY SHALL BE CONSISTENT WITH THE EXISTING SURFACE COURSE THICKNESS BUT NO LESS THAN 1 1/2 INCHES WHICHEVER IS GREATER AND SHALL MATCH THE EXISTING ROADWAY CROSS SLOPE. SP9.5 OR SP12.5 MIXES ARE REQUIRED.

LIMEROCK BASE COURSE SHALL BE TWO TIMES THE EXISTING LIMEROCK THICKNESS OR 12 INCHES MINIMUM, COMPACTED IN NO GREATER THAN 8 INCH LIFTS AT A DENSITY OF NOT LESS THAN 98 PERCENT OF THE MAXIMUM DENSITY OBTAINED USING THE MODIFIED PROCTOR METHOD (EACH LAYER). MINIMUM BEARING SHALL BE BASED ON AN LBR OF 100.

SLEEVED UTILITY INSTALLATIONS

'X'  
SPAN WIDTH  
SEE TABLE (ABOVE RIGHT)

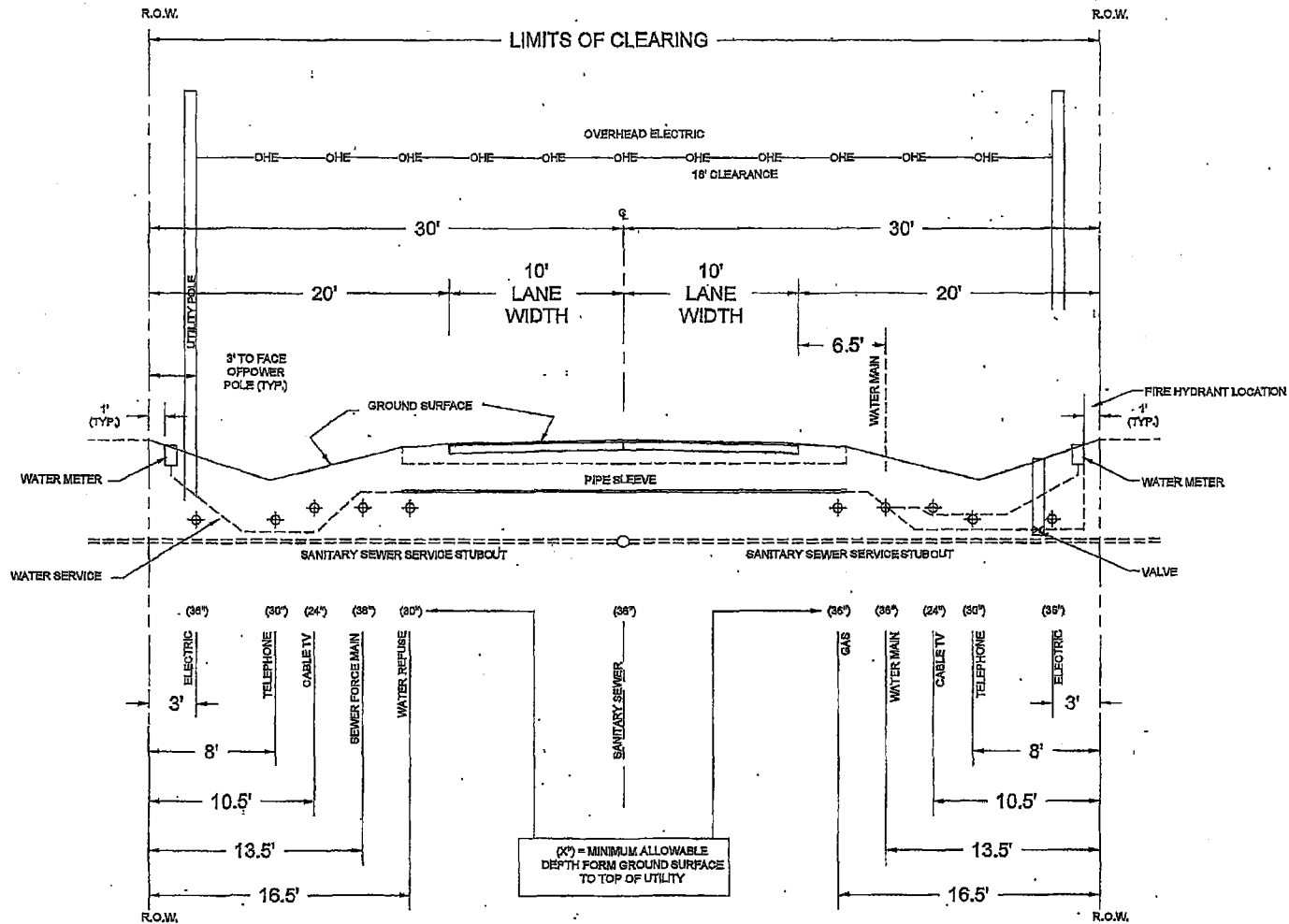
ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES	

**OPEN ROAD CUTS / COMPACTED FILL**

DETAIL NO. 16  
DWG:  
ADOPTED:

ALL UTILITIES TO BE INSTALLED BELOW DRAINAGE SYSTEM UNLESS APPROVED OTHERWISE BY ENGINEERING SERVICES  
 ALL UTILITIES INSTALLED BELOW PAVEMENT MUST HAVE A MINIMUM COVER OF 36"



ROADWAY AND DRAINAGE STANDARDS  
 NASSAU COUNTY PUBLIC WORKS  
 ENGINEERING SERVICES DEPARTMENT

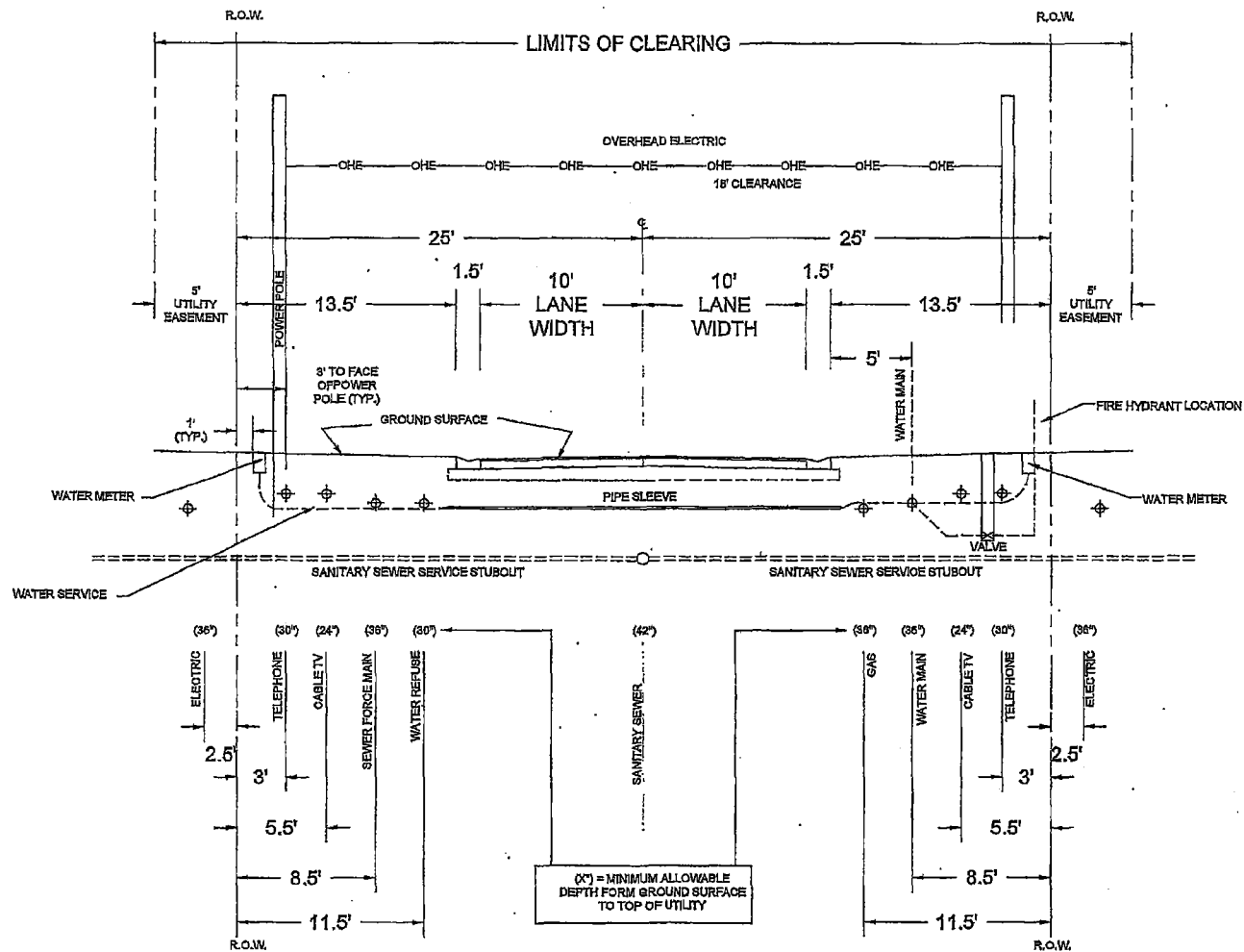
REVISION DATES


## TYPICAL UTILITY LOCATION PLAN 60 FOOT RIGHT-OF-WAY

DETAIL NO. 17

DWG:

ADOPTED:



**NASSAU COUNTY**  
ROADWAY AND DRAINAGE STANDARDS  
ENGINEERING SERVICES DEPARTMENT

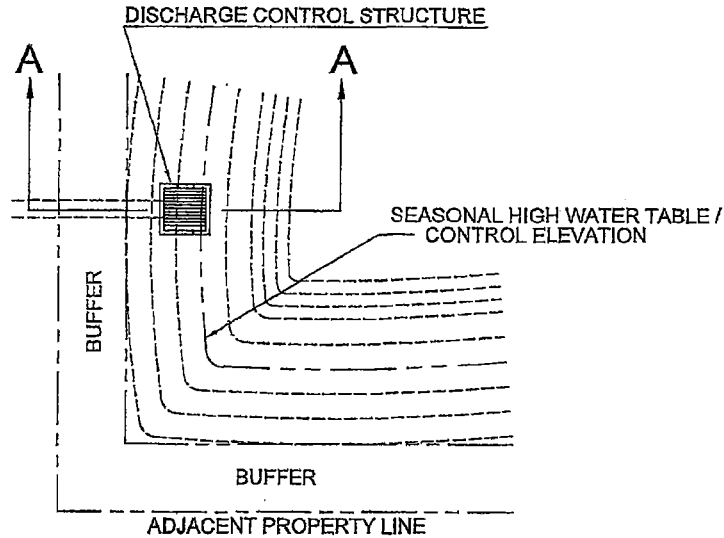
REVISION DATES


**TYPICAL UTILITY LOCATION PLAN**  
**50 FOOT RIGHT-OF-WAY**

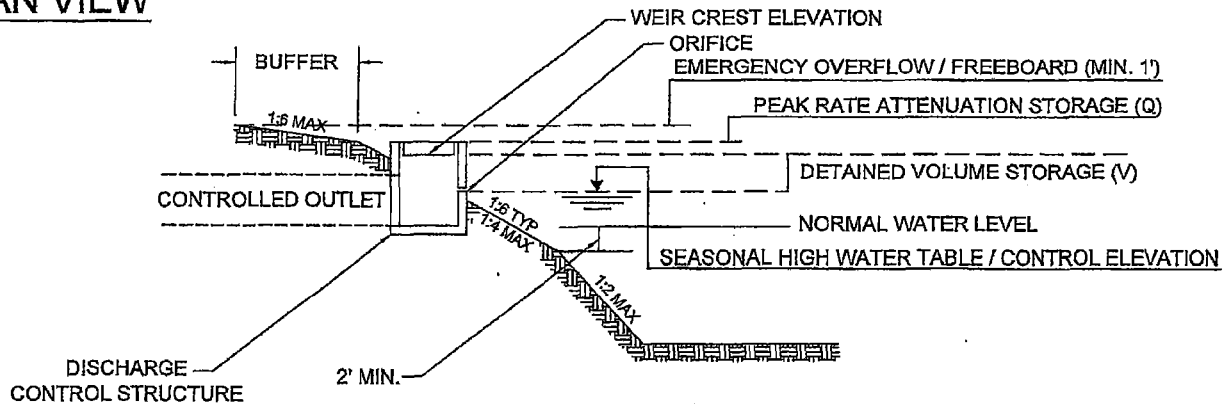
DETAIL NO. 18

DWG:

ADOPTED:



**PLAN VIEW**



**SECTION AA**

**GENERAL NOTES:**

1. THIS DETAIL DEPICTS A TYPICAL DESIGN FOR "WET" DETENTION SYSTEMS. OTHER DESIGN CONFIGURATIONS MAY BE POSSIBLE. THIS SYSTEM IS DESIGNED FOR USE WHERE SOIL AND GROUND WATER TABLE CONDITIONS PROHIBIT USE OF "DRY" RETENTION OR DETENTION SYSTEMS.
2. THIS DETAIL IS FOR CLARIFICATION PURPOSES ONLY. ACTUAL DESIGN AND CONSTRUCTION DETAILS ARE THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL.
3. BUFFER WIDTH SHALL BE BASED ON THE FOLLOWING:

<u>POND AREA</u>	<u>BUFFER WIDTH</u>
LESS THAN 0.25 AC	5 FEET
.25 ACRE TO 1 AC	10 FEET
GREATER THAN 1 AC	15 FEET

BUFFER WIDTH SHALL BE INCREASED TO 75 FEET FOR CASES WHERE SEPTIC SYSTEMS ARE PRESENT ON ADJACENT PROPERTIES UNLESS OTHERWISE APPROVED BY THE HEALTH DEPARTMENT.

ROADWAY AND DRAINAGE STANDARDS  
 NASSAU COUNTY PUBLIC WORKS  
 ENGINEERING SERVICES DEPARTMENT

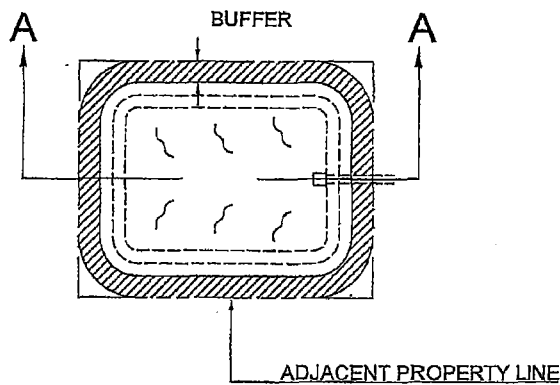
**REVISION DATES**


**WET DETENTION POND  
 TYPICAL DETAIL**

DETAIL NO. 19

DWG:

ADOPTED:



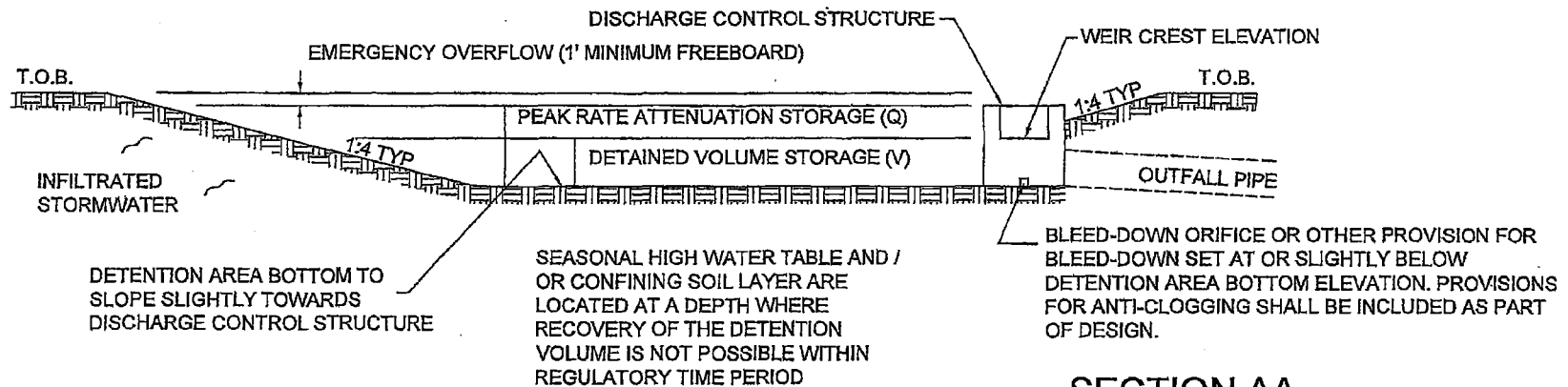
**PLAN VIEW**

**GENERAL NOTES:**

1. THIS DETAIL DEPICTS A TYPICAL DESIGN FOR "DRY" DETENTION SYSTEMS. OTHER DESIGN CONFIGURATIONS MAY BE POSSIBLE. THIS SYSTEM IS DESIGNED FOR USE WHERE SOIL AND SEASONAL HIGH GROUND WATER TABLE CONDITIONS ARE NOT CONDUCTIVE TO ALLOW FOR FULL VOLUME RECOVERY THROUGH INFILTRATION WITHIN THE REGULATED TIME PERIOD.
2. THIS DETAIL IS FOR CLARIFICATION PURPOSES ONLY. ACTUAL DESIGN AND CONSTRUCTION DETAILS ARE THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL.
3. BUFFER WIDTH SHALL BE BASED ON THE FOLLOWING:

POND AREA	BUFFER WIDTH
LESS THAN .25 AC	5 FEET
.25 ACRE TO 1 AC	10 FEET
GREATER THAN 1 AC	15 FEET

BUFFER WIDTH SHALL BE INCREASED TO 75 FEET FOR CASES WHERE SEPTIC SYSTEMS ARE PRESENT ON ADJACENT PROPERTIES UNLESS OTHERWISE APPROVED BY THE HEALTH DEPARTMENT.



**SECTION AA**

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES

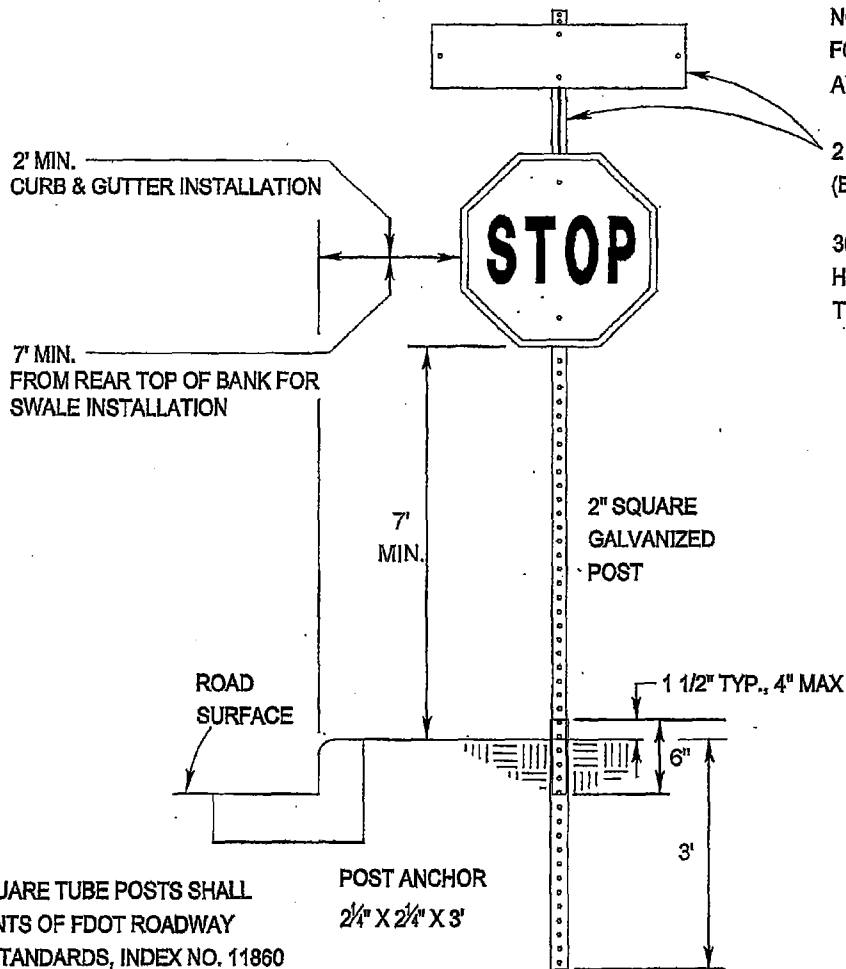

**DRY DETENTION  
TYPICAL DETAIL**

DETAIL NO. 20

DWG:

ADOPTED:

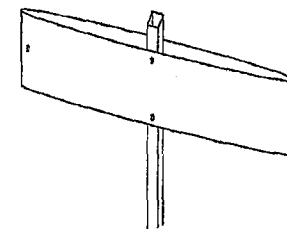




NOTE: LEAVE 2 HOLES FROM TOP OF POST FOR THE INSTALLATION OF CAPS, DEAD END AND NO OUTLET SIGN IF NEEDED.

2 - 9" STREET MARKER BLADES (BACK TO BACK)

30" X 30" STOP SIGN (MIN.) HIGH INTENSITY PRISMATIC SHEETING TYP.



SIGN BLANKS ARE RIVETED TOGETHER AND RIVETED TO THE POST.

Pages Dairy 50000 RD

6" UPPER AND 4 1/2" LOWER CASE SHEETING - GREEN E C FILM OVER HIGH INTENSITY PRISMATIC, SILVER (PRIVATE- BLUE SHEETING) SIGN BLANKS - 0.080 ALUMINUM 9"X42" TYP.

3" U.C. LETTERING AND NUMBERS

NOTES:

GALVANIZED STEEL SQUARE TUBE POSTS SHALL MEET THE REQUIREMENTS OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 11860

SIGN PLACEMENT SHALL MEET THE REQUIREMENTS OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 17302.

POST ANCHOR 2 1/4" X 2 1/4" X 3'

ROADWAY AND DRAINAGE STANDARDS  
NASSAU COUNTY PUBLIC WORKS  
ENGINEERING SERVICES DEPARTMENT

REVISION DATES

NO.	DATE	DESCRIPTION

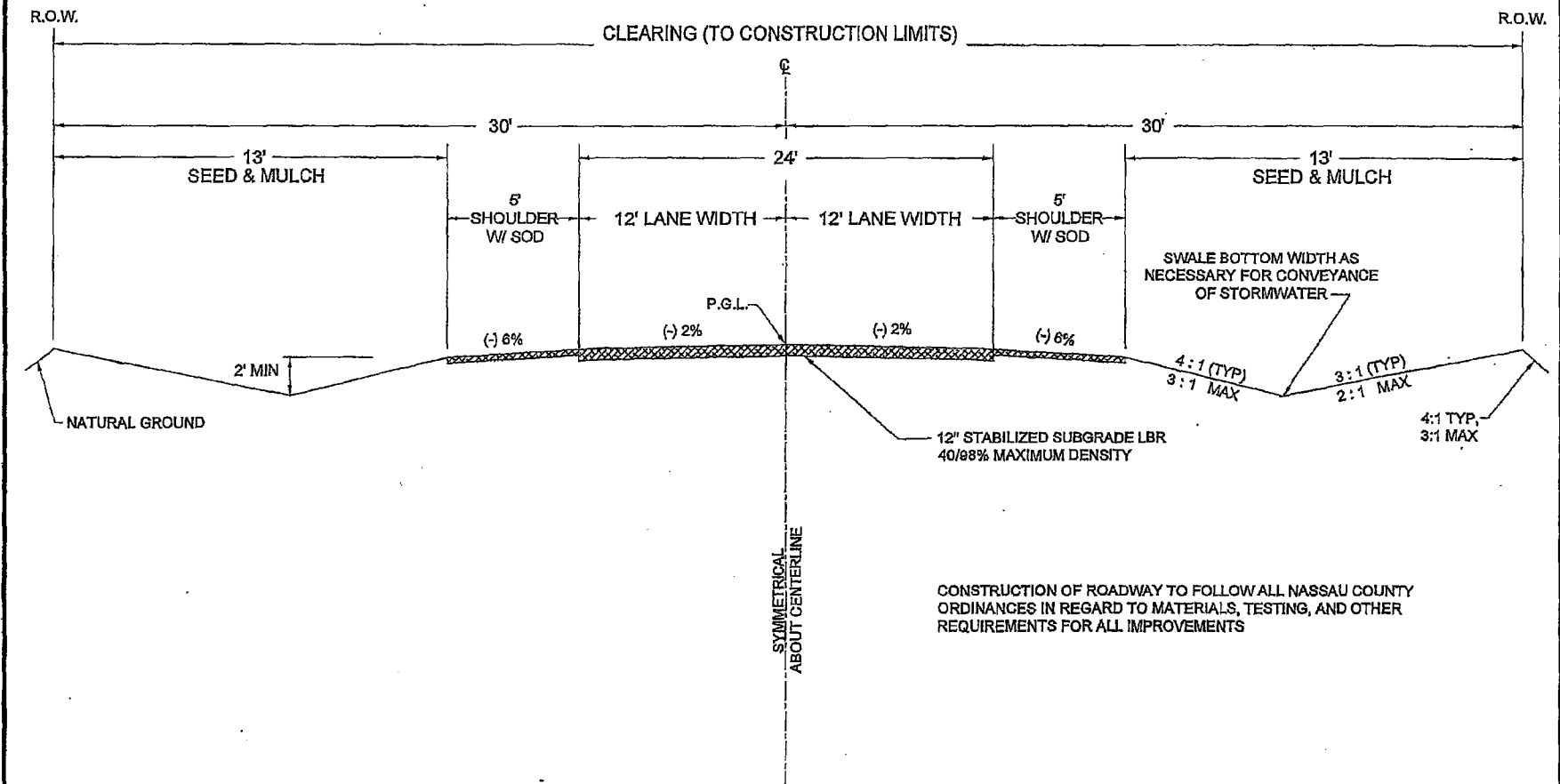
STOP AND STREET MARKER COMBINATION  
TYPICAL INSTALLATION

DETAIL NO. 21

DWG:

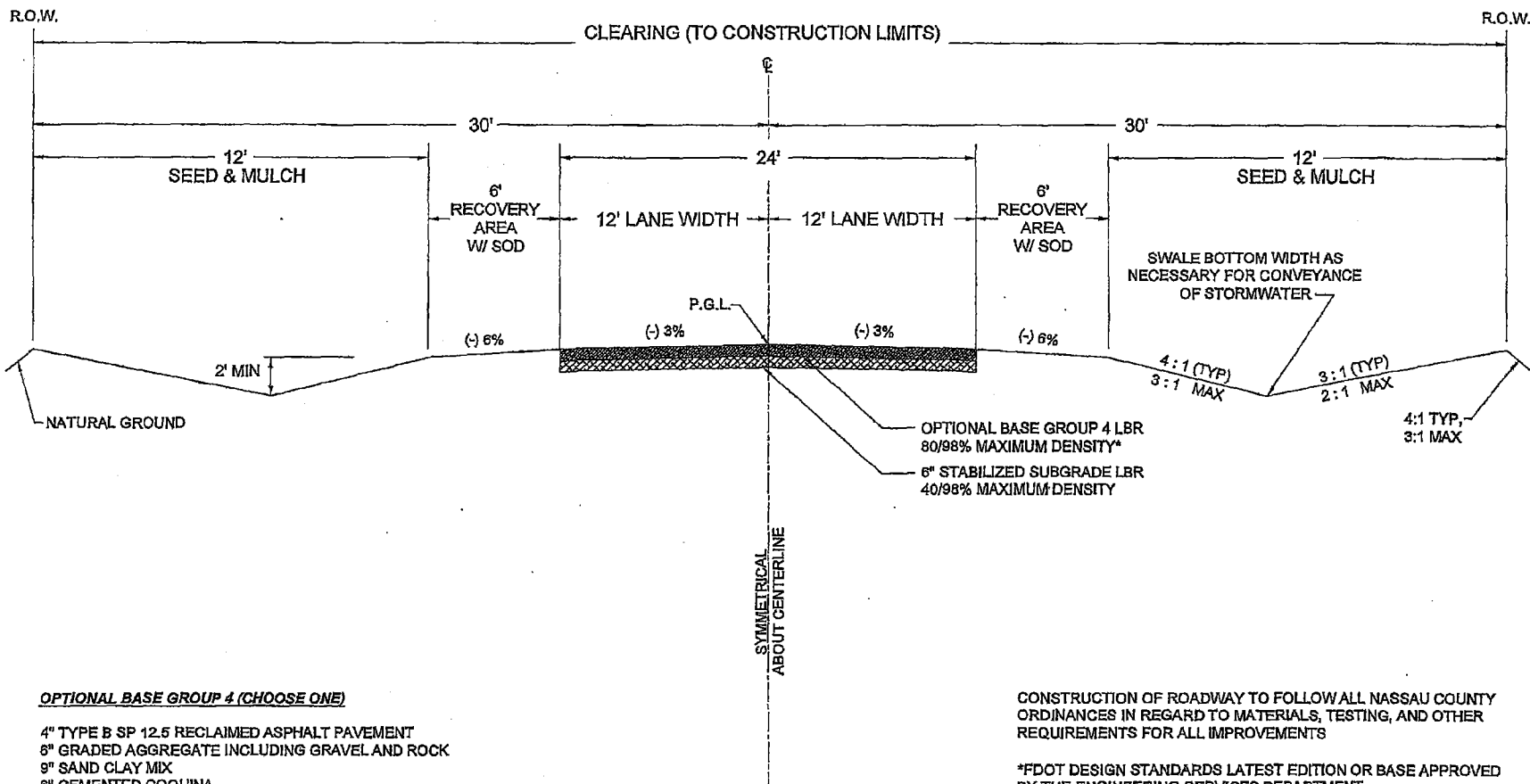
ADOPTED:

# RIGHT-OF-WAY WIDTH: 60 FEET



ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">GRADED ROADWAY TYPICAL SECTION</h2>	DETAIL NO. 22
			DWG:
			ADOPTED:

# RIGHT-OF-WAY WIDTH: 60 FEET



**OPTIONAL BASE GROUP 4 (CHOOSE ONE)**

- 4" TYPE B SP 12.5 RECLAIMED ASPHALT PAVEMENT
- 6" GRADED AGGREGATE INCLUDING GRAVEL AND ROCK
- 9" SAND CLAY MIX
- 6" CEMENTED COQUINA
- 6" LIMEROCK - INCLUDING 57 STONE

OPTIONAL BASE GROUP 4 NOTE: THE STABILIZED SUB-BASE MAY BE REPLACED BY A 2 INCH INCREASE IN THE DEPTH OF BASE.

CONSTRUCTION OF ROADWAY TO FOLLOW ALL NASSAU COUNTY ORDINANCES IN REGARD TO MATERIALS, TESTING, AND OTHER REQUIREMENTS FOR ALL IMPROVEMENTS

\*FDOT DESIGN STANDARDS LATEST EDITION OR BASE APPROVED BY THE ENGINEERING SERVICES DEPARTMENT

DESIGN SPEED = 30 MPH

ROADWAY AND DRAINAGE STANDARDS NASSAU COUNTY PUBLIC WORKS ENGINEERING SERVICES DEPARTMENT	REVISION DATES	<h2 style="margin: 0;">UN-PAVED PRIVATE ROAD TYPICAL SECTION</h2>	DETAIL NO. 23
			DWG:
			ADOPTED: