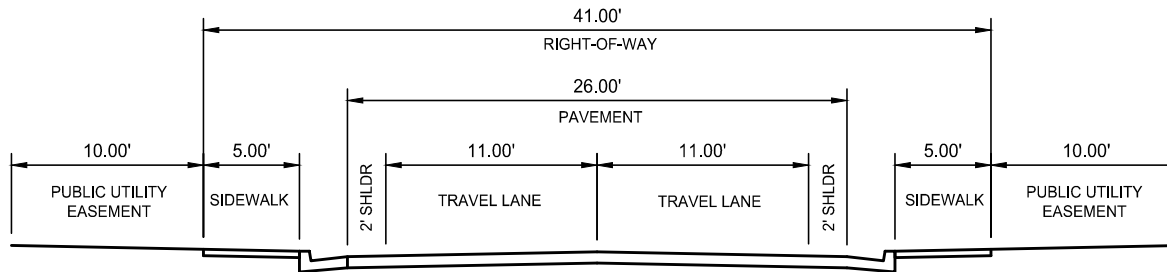
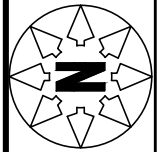
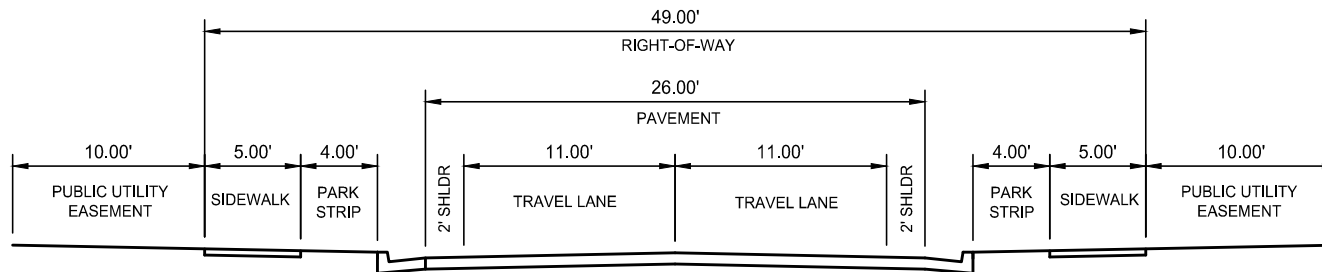


## RESIDENTIAL MINIMUM



## RESIDENTIAL MINIMUM ALTERNATE



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WASHINGTON

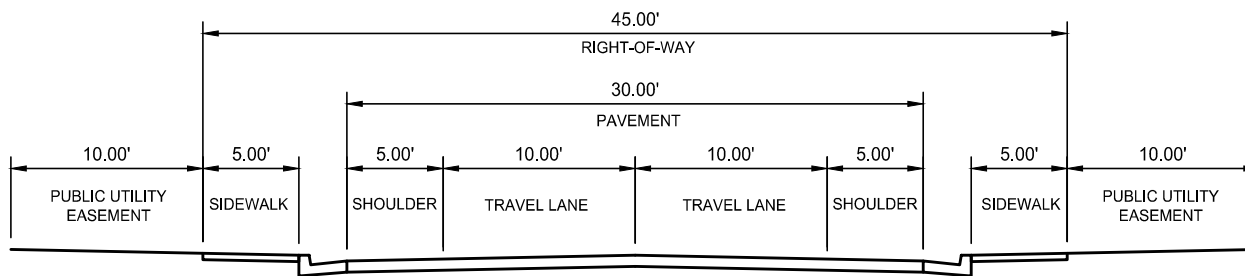
FIGURE: 5

CITY OF HURRICANE

RESIDENTIAL MINIMUM

DRAWN:	FILE: TYPICAL SECTIONS	PROJECT: 1707-125	SHEET: 1
CHECK:	UPDATED: 10/4/2018	PLOTTED: 10/4/2018	

## RESIDENTIAL LOCAL



## RESIDENTIAL LOCAL ALTERNATE

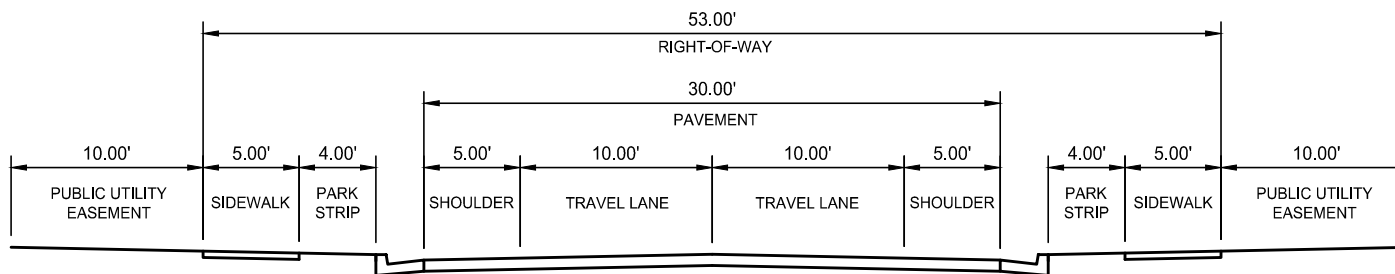
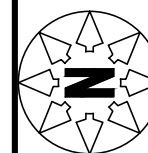


FIGURE: 6	WASHINGTON
CITY OF HURRICANE	
RESIDENTIAL LOCAL	
DRAWN: . . .	FILE: TYPICAL SECTIONS
CHECK: . . .	PROJECT: 1707-125
	UPDATED: 10/4/2018
	PLOTTED: 10/4/2018
	SHEET: 2

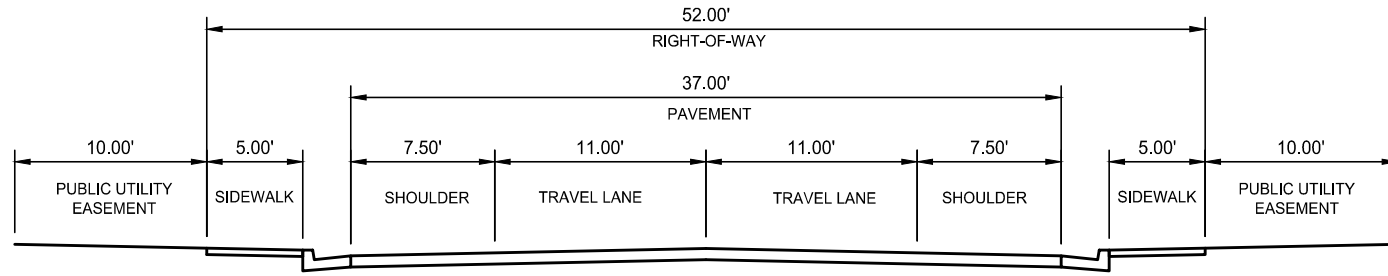


SCALE: 1"=10'

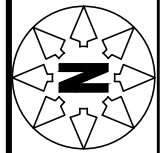
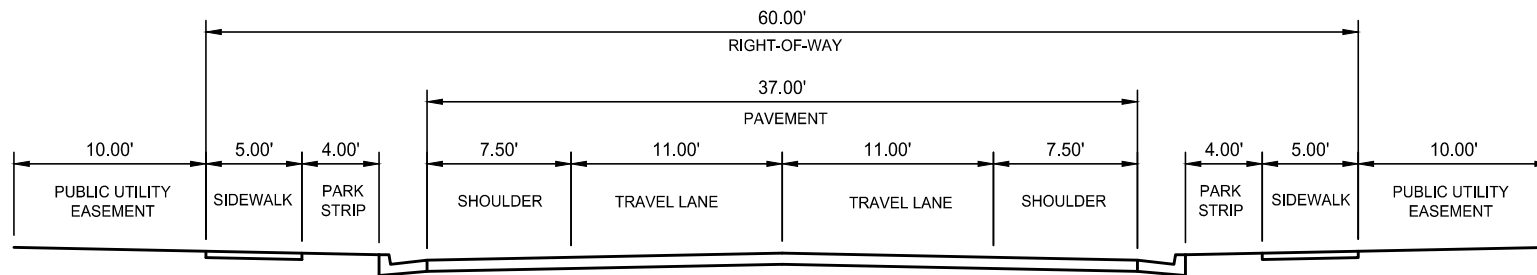
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## RESIDENTIAL STANDARD



## RESIDENTIAL STANDARD ALTERNATE



SCALE: 1"=10'

WASHINGTON

FIGURE: 7

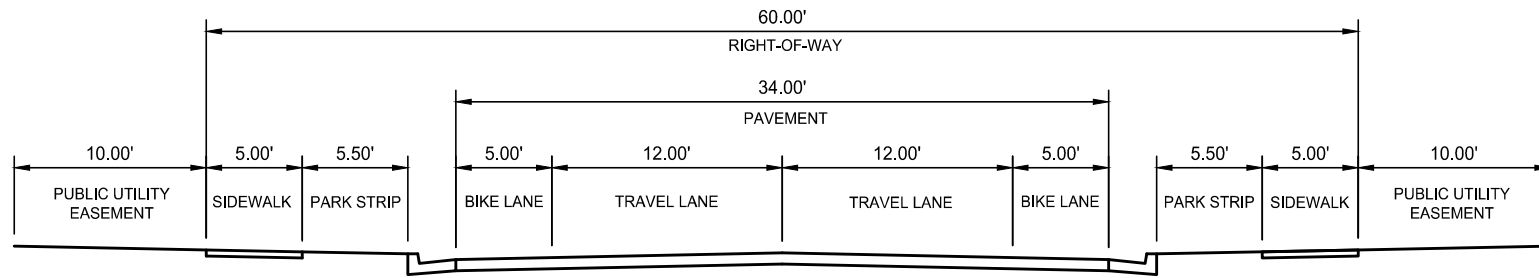
CITY OF HURRICANE

RESIDENTIAL STANDARD

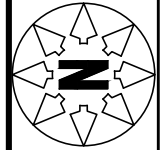
DRAWN:	FILE: TYPICAL SECTIONS	PROJECT: 1707-125	SHEET: 3
CHECK:	UPDATED: 10/4/2018	PLOTTED: 10/4/2018	

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## MINOR COLLECTOR



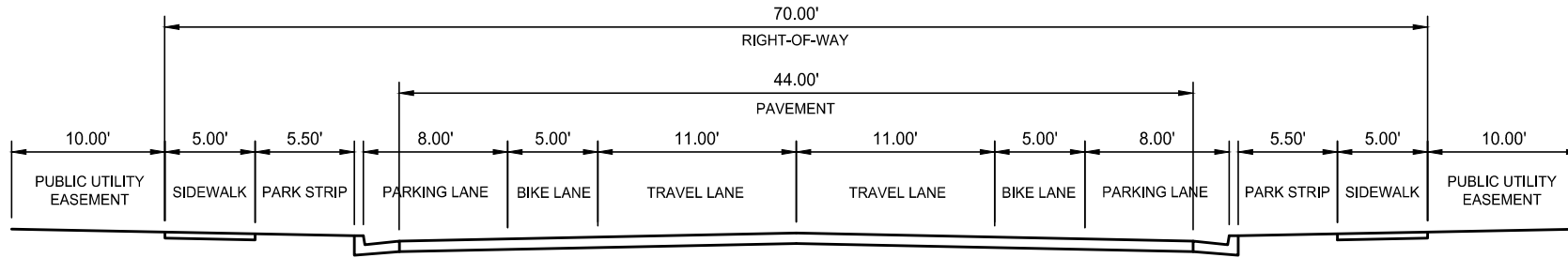
SCALE: 1"=10'

WASHINGTON	FIGURE: 8
CITY OF HURRICANE	
MINOR COLLECTOR	
DRAWN: . . .	FILE: TYPICAL SECTIONS
CHECK: . . .	PROJECT: 1707-125
	UPDATED: 10/4/2018
	PLOTTED: 10/4/2018
	SHEET: 4

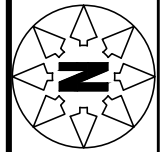
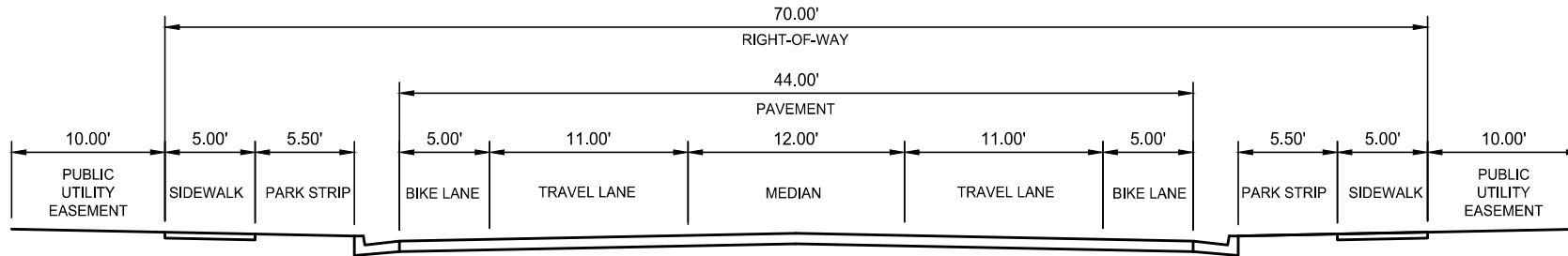
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## MAJOR COLLECTOR (2-LANE)



## MAJOR COLLECTOR (3-LANE)



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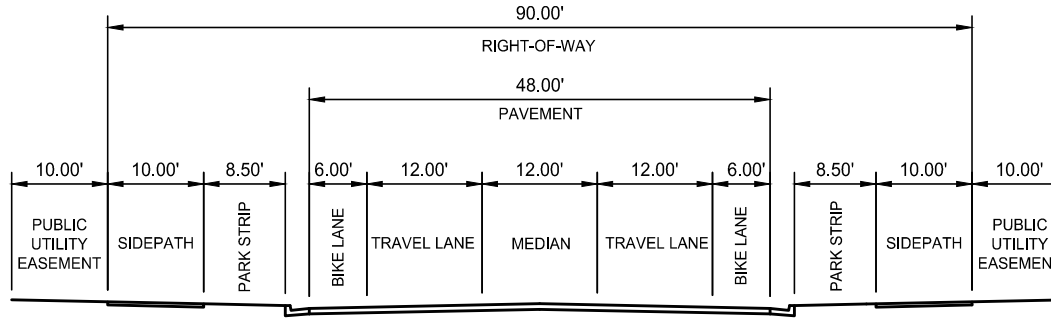
CITY OF HURRICANE

MAJOR COLLECTOR

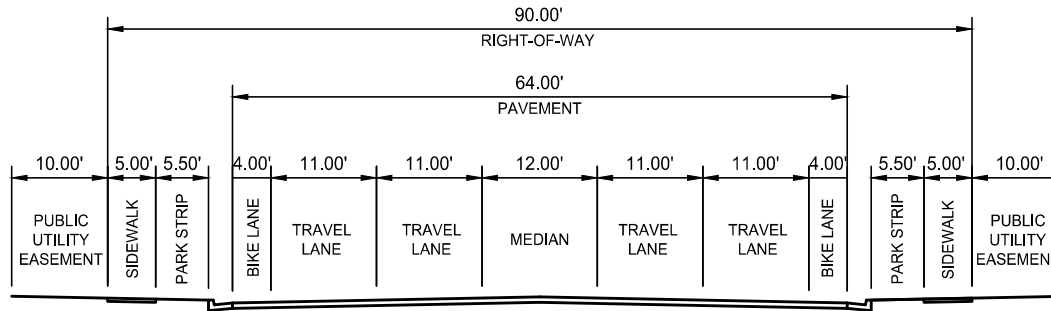
FIGURE: 9

DRAWN:	FILE: TYPICAL SECTIONS	PROJECT: 1707-125	SHEET: 5
CHECK:	UPDATED: 10/4/2018	PLOTTED: 10/4/2018	

### MINOR ARTERIAL (3-LANE)

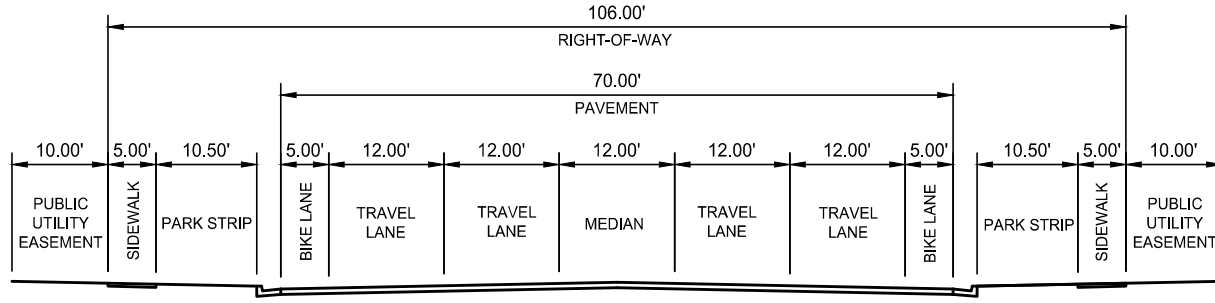


### MINOR ARTERIAL (5-LANE)




WASHINGTON		FIGURE: 10
CITY OF HURRICANE		
MINOR ARTERIAL		
DRAWN: .	FILE: TYPICAL SECTIONS	PROJECT: 1707-125
CHECK: .	UPDATED: 10/4/2018	PLOTTED: 10/4/2018
		SCALE: 1"=20'
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# MAJOR ARTERIAL



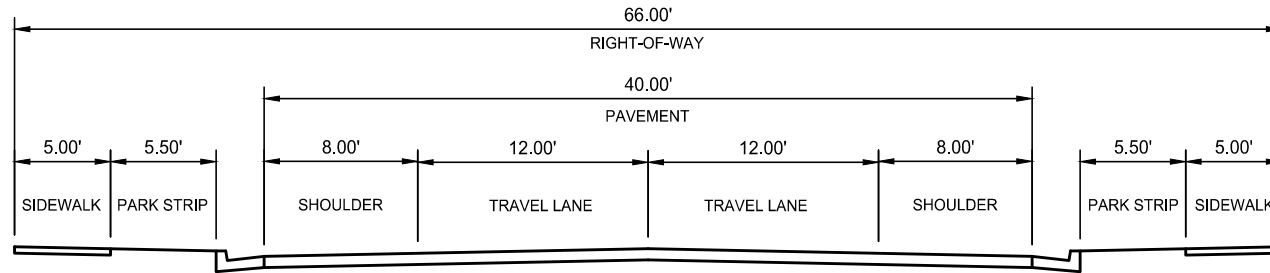
SCALE: 1"=20'

WASHINGTON	FIGURE: 11
CITY OF HURRICANE	
MAJOR ARTERIAL	
DRAWN: . . .	FILE: TYPICAL SECTIONS
CHECK: . . .	PROJECT: 1707-125
	UPDATED: 10/4/2018
	PLOTTED: 10/4/2018
	SHEET: 7

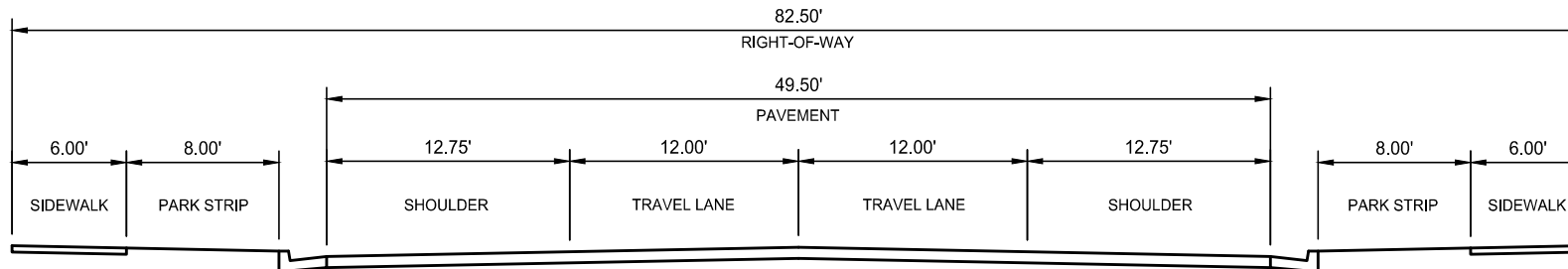


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# EXISTING HISTORICAL GRIDDED 66' RIGHT-OF-WAY



# EXISTING HISTORICAL GRIDDED 82.5' RIGHT-OF-WAY



WASHINGTON

CITY OF HURRICANE

HISTORICAL

FIGURE: 12

FILE: TYPICAL SECTIONS

PROJECT: 1707-125

UPDATED: 10/4/2018

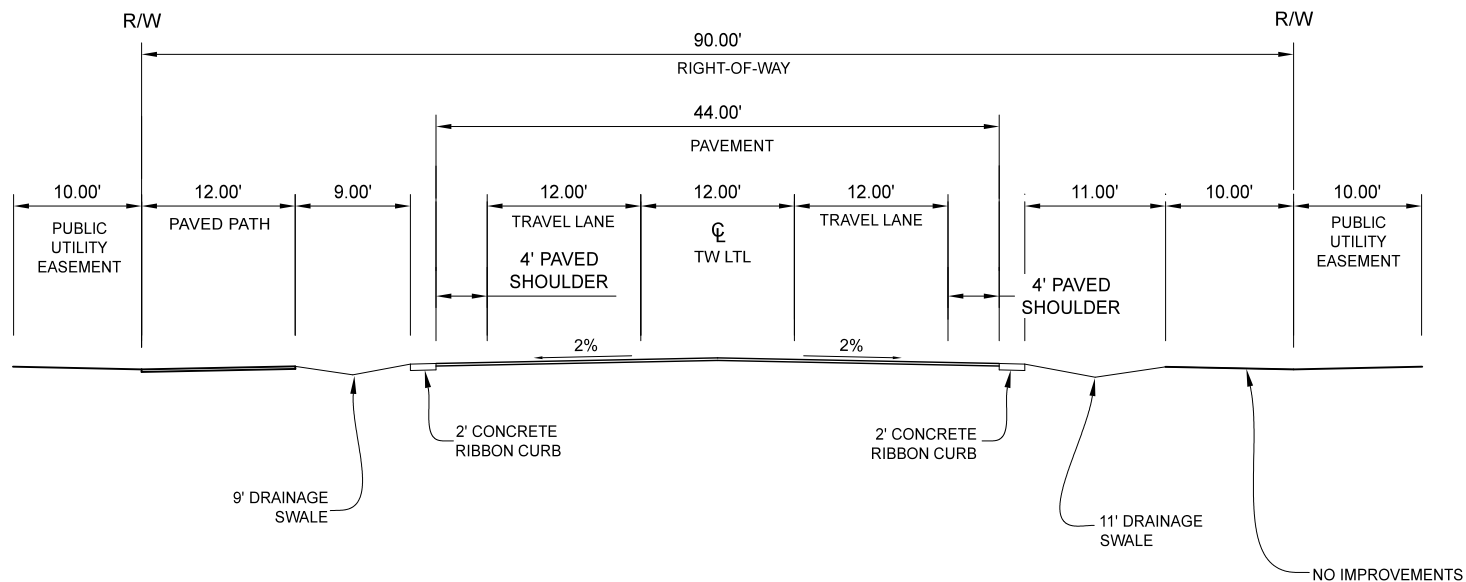
SHEET: 8

1"=10'

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## MINOR ARTERIAL RURAL ROAD SECTION



### Notes:

1. Minor Arterial provides for 6,000 to 20,000 daily trips.
2. See active transportation plan for location of paved path requirements.
3. Gravel Shoulder shall consist of 6" minimum untreated road base.
4. Pavement section shall consist of 3.5" of asphalt over 7" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



CITY OF HURRICANE ENGINEERING

## MINOR ARTERIAL RURAL ROAD CROSS SECTION

STANDARD DWG. NO.	1 OF 1
RU RD - 105	SCALE: 1"=15'
APPROVED: YES	DATE: 8/6/2020
BY: H.C.E.	

REVISIONS	DESCRIPTION	BY
DATE		

The diagram illustrates a cross-section of a 70.00' wide right-of-way (R/W) road. The layout is symmetrical about a central centerline (CL). The components from left to right are:

- PUBLIC UTILITY EASEMENT:** 10.00' wide on the far left.
- PAVED PATH:** 10.00' wide.
- DITCH:** 8.00' wide.
- PAVED SHOULDER:** 6.00' wide.
- TRAVEL LANE:** 12.00' wide.
- Centerline (CL):** Indicated by a vertical line in the middle of the travel lanes.
- TRAVEL LANE:** 12.00' wide.
- PAVED SHOULDER:** 6.00' wide.
- DITCH:** 8.00' wide.
- PAVED PATH:** 10.00' wide.
- PUBLIC UTILITY EASEMENT:** 10.00' wide on the far right.

The total width of the paved area (PAVED PATH + PAVED SHOULDER + TRAVEL LANE + TRAVEL LANE + PAVED SHOULDER + PAVED PATH) is 36.00'. The entire section is labeled **RIGHT-OF-WAY** with a total width of 70.00'.

**Notes:**

- GRAVEL SHOULDER (indicated by arrows pointing to the areas between the paved shoulders and the ditches)

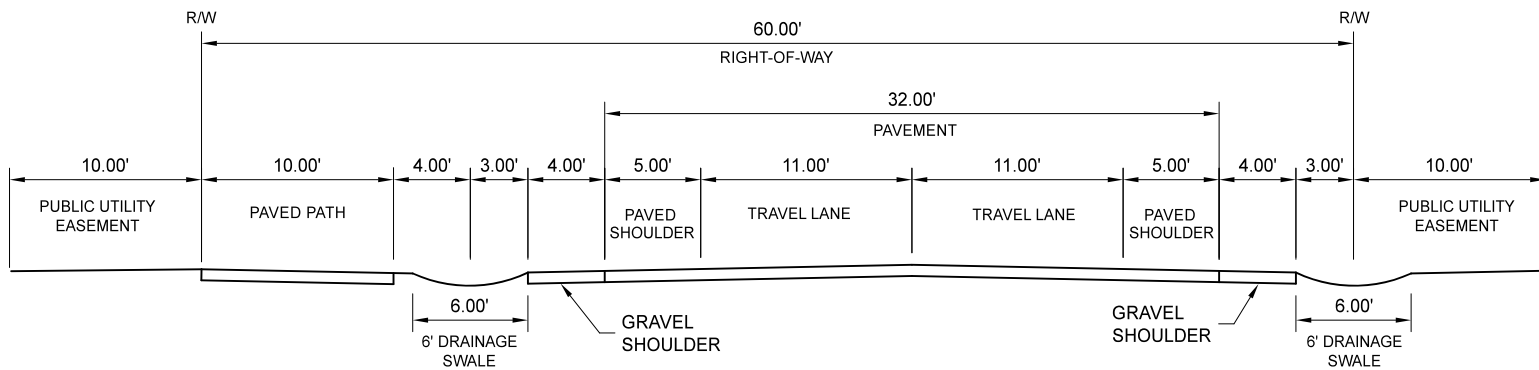
1. Major Collector serves 201-600 units.
2. See active transportation plan for location of paved path requirements.
3. Gravel Shoulder shall consist of 6" minimum untreated road base.
4. Pavement section shall consist of 3" of asphalt over 6" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



CITY OF THUNDERBOLT ENGINEERING		STANDARD DWG. NO.													
<div> <div>REVISIONS</div> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> </div>		DATE	DESCRIPTION	BY										<div> <div>MAJOR COLLECTOR</div> <div>RURAL ROAD CROSS SECTION</div> </div>	
DATE	DESCRIPTION	BY													
		RU RD - 104													
		1 OF 1													
		APPROVED: YES													
		SCALE: 1"=10'													
		DATE: 8/6/2020													
		BY: H.C.E.													

STANDARD DWG. NO.	1 OF 1
RU RD - 104	
APPROVED: YES	SCALE: 1"=10'
DATE: 8/6/2020	BY: H.C.E.

## MINOR COLLECTOR RURAL ROAD SECTION



**Notes:**

1. Minor Collector serves 101-200 units.
2. See active transportation plan for location of paved path requirements.
3. Gravel Shoulder shall consist of 6" minimum untreated road base.
4. Pavement section shall consist of 3" of asphalt over 6" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



CITY OF HURRICANE ENGINEERING

STANDARD DWG. NO.	
RU RD - 103	1 OF 1
APPROVED: YES	SCALE: 1"=10'
DATE: 8/6/2020	BY: H.C.E.

## MINOR COLLECTOR RURAL ROAD RURAL ROAD CROSS SECTION

REVISIONS	
DATE	DESCRIPTION

The diagram illustrates the cross-section of a 52-foot wide right-of-way highway. The central 32-foot paved area consists of two 11-foot travel lanes and two 5-foot paved shoulders. This is flanked by 6-foot gravel shoulders and 4-foot gravel shoulders, with 10-foot public utility easements on the far left and right. A borrow ditch is shown on the left side, and a paved shoulder is indicated on the right side.

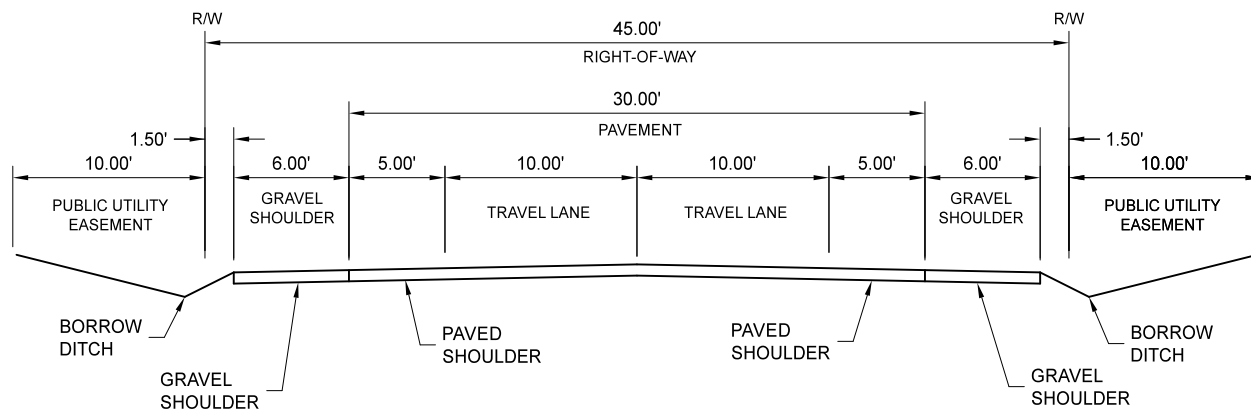
Component	Width (feet)
Public Utility Easement (Left)	10.00'
Gravel Shoulder (Left)	4.00'
Gravel Shoulder (Right)	4.00'
Gravel Shoulder (Left)	6.00'
Paved Shoulder (Left)	5.00'
Travel Lane (Left)	11.00'
Travel Lane (Right)	11.00'
Paved Shoulder (Right)	5.00'
Gravel Shoulder (Right)	6.00'
Gravel Shoulder (Left)	6.00'
Gravel Shoulder (Right)	6.00'
Public Utility Easement (Right)	10.00'
<b>Total Right-of-Way</b>	<b>52.00'</b>
<b>Total Paved Area</b>	<b>32.00'</b>

1. Residential Standard serves 51-100 units.
2. Gravel Shoulder shall consist of 6" minimum untreated road base.
3. Pavement section shall consist of 2.5" of asphalt over 6" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



		CITY OF HURRICANE ENGINEERING	
REVISIONS			
DATE	DESCRIPTION	BY	
		STANDARD DWG. NO.	
		RURD - 102	1 OF 1
		APPROVED: YES	SCALE: 1"=10'
		DATE: 8/6/2020	BY: H.C.E.

## RESIDENTIAL LOCAL RURAL ROAD SECTION



### Notes:

1. Residential Local serves 11-50 units.
2. Gravel Shoulder shall consist of 6" minimum untreated road base.
3. Pavement section shall consist of 2.5" of asphalt over 6" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



CITY OF HURRICANE ENGINEERING

STANDARD DWG. NO.		1 OF 1	
RU RD - 101	APPROVED: YES	SCALE: 1"=10'	BY: H.C.E.
DATE: 8/6/2020			
<div style="display: flex; justify-content: space-between;"> <div>CITY OF HURRICANE ENGINEERING</div> <div> <b>RESIDENTIAL LOCAL ROADWAY</b>  <b>RURAL ROAD CROSS SECTION</b> </div> </div>			
REVISIONS	DESCRIPTION	BY	
DATE			

Diagram illustrating the cross-section of a highway with a total width of 41.00' (Right-of-Way). The layout is symmetrical around a central axis.

**Dimensions and Components (from left to right):**

- Public Utility Easement:** 10.00'
- Gravel Shoulder:** 6.00'
- 6" Drainage Swale:** 6.00'
- Paved Shoulder:** 2.00'
- Travel Lane:** 11.00'
- Travel Lane:** 11.00'
- Paved Shoulder:** 2.00'
- 6" Drainage Swale:** 6.00'
- Paved Shoulder:** 2.00'
- Gravel Shoulder:** 6.00'
- Public Utility Easement:** 10.00'

**Total Widths:**

- Right-of-Way (R/W):** 41.00'
- PAVEMENT:** 26.00' (including travel lanes and paved shoulders)

1. Residential Minimum serves 10 units or less.
2. Gravel Shoulder shall consist of 6" minimum untreated road base.
3. Pavement section shall consist of 2.5" of asphalt over 6" of road base, minimum. Additional thickness may be required as recommended by a geotechnical study.



## REVISIONS

REVISIONS		
DATE	DESCRIPTION	BY

STANDARD DWG. NO.

STANDARD  
RU RD - 100

APPROVED: YES	SCALE: 1"=10'
---------------	---------------

DATE: 8/6/2020	BY: H.C.E.
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