

FINAL

PRELIMINARY PEDESTRIAN CROSSING REVIEW



SR 976/Bird Road/SW 40 Street
From SR 959/SW 57 Avenue To Riviera Drive
Section No.: 87044000 MP Nos.: 6.267-7.541

Financial Project No.: 415239-4-32-01
Task Work Order No.: 49

Prepared for:
Florida Department of Transportation - District 6

FDOT Project Manager:
Isis Sotolongo

EUGENIO LOPEZ, MSCE, PE, PTOE
Choice Project Manager

Elizabeth Gonzalez, EI
Choice Engineer Intern

The background of the lower half of the cover is a photograph of a city street scene. In the foreground, a person is riding a bicycle across a crosswalk. To the right, a group of pedestrians is walking across the street. A yellow diamond-shaped pedestrian crossing sign is visible on a utility pole, with a smaller rectangular sign below it showing a black arrow pointing down. The background shows a city skyline with tall buildings under a clear blue sky. The overall scene is bright and active, representing urban transportation.

OCTOBER 2023



Date: October 10, 2023
To: Isis Sotolongo, FDOT Project Manager
From: Eugenio S. Lopez, MSCE, P.E., PTOE; Elizabeth Gonzalez, EI
Subject: Preliminary Pedestrian Crossing Review (FINAL) –
SR 976/Bird Road/SW 40 Street (87044000) from SR 959/SW 57 Avenue to Riviera Drive
(MP 6.267 to MP 7.541)

FPID No.: 415239-4-32-01 **FDOT Contract No.:** CA577 **Task No.:** 49

1. INTRODUCTION

The Florida Department of Transportation (FDOT) District Six Traffic Operations' Office (Department) assigned Choice Engineering Consultants, Inc. to conduct a Preliminary Pedestrian Crossing Review along the segment of SR 976/Bird Road/SW 40 Street (Roadway Section 87044000) hereinafter referred to as Bird Road, from 300 feet east of SR 959/SW 57 Avenue (MP 6.267) to 300 feet west of Riviera Drive (MP 7.541), in Coral Gables, Florida, as presented in **Figure 1**. The study limits exclude the 300 feet east and west of these intersections, since marked pedestrian crosswalks are present at these locations. This evaluation focuses on assessing the safety and crossing activity of pedestrians and bicyclists along the study segment and at the intersection of Bird Road and University Drive. The goal is to determine whether a midblock crossing or crossings should be provided on Bird Road within the study limits and whether a designated crosswalk should be provided on Bird Road at the east or west legs of the University Drive intersection. This assessment was done by performing a review of the pedestrian crash data, collecting pedestrian crossing counts, and conducting a qualitative field assessment. This study was initiated due to a citizen's request under CTP #2022-09-0005 – see correspondence in **Attachment A**.

2. EXISTING CONDITIONS

Study Segment of Bird Road

The study segment is made up of 12 intersections (3 signalized and 8 unsignalized) along Bird Road from 300 feet east of SR 959/SW 57 Avenue to 300 feet west of Riviera Drive, located in Coral Gables, Florida. Bird Road is identified as Roadway Section 87044000 on the State Highway System with a functional classification of Urban Principal Arterial Other and context classification of C4 Urban General. FDOT defines this context classification as a "mix of uses set within small blocks with a well-connected roadway network". Within the study area, Bird Road is a four-lane two-way road divided by a raised median, with a posted speed limit of 35 MPH, oriented in the east-west direction.

Street Lighting

There is roadway lighting provided along both sides of the study segment.

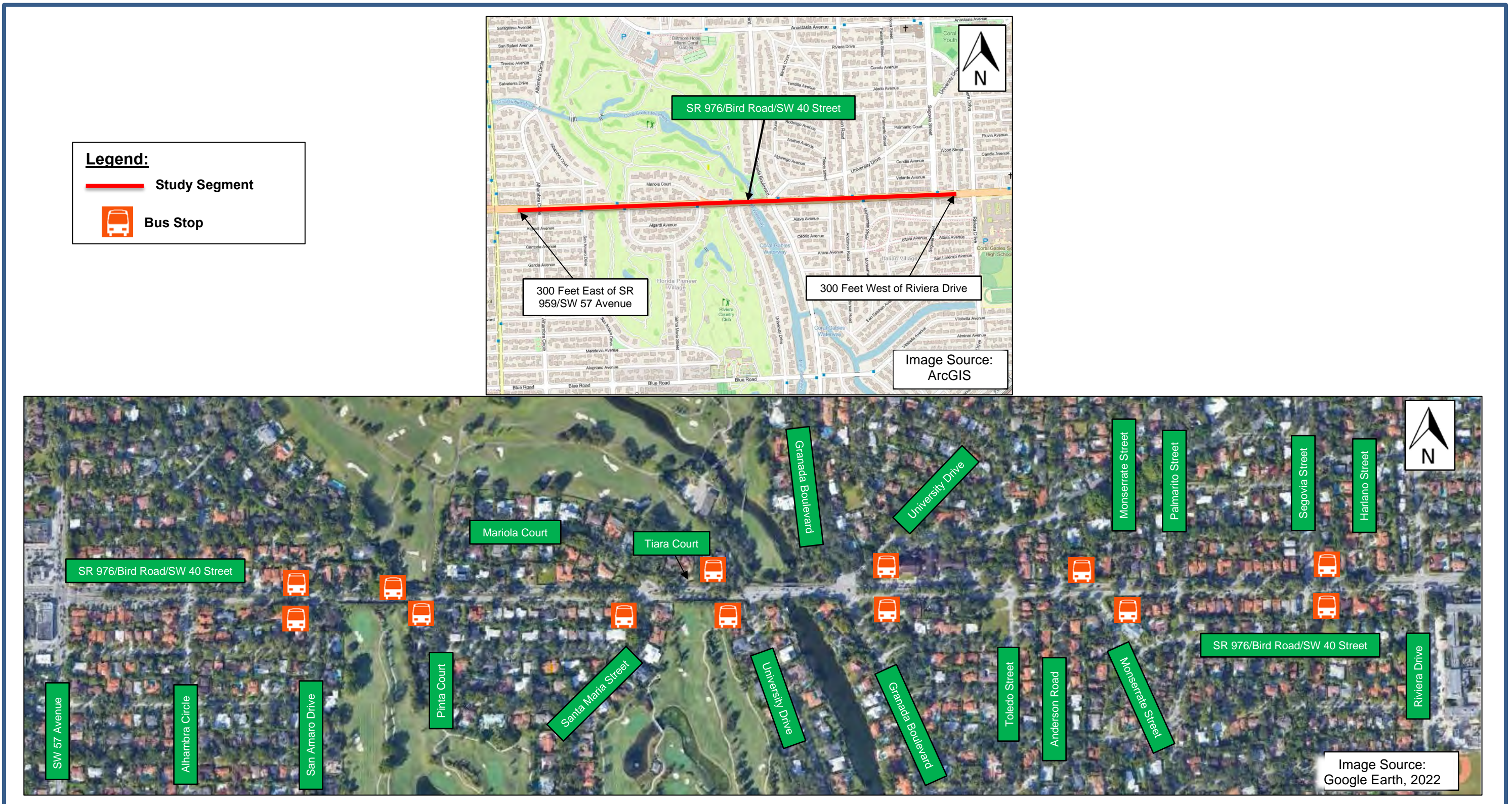


Figure 1: Project Location Map

Pedestrian/Bicycle Amenities

There are continuous sidewalks along the north side of the study segment with standard pedestrian crosswalks and detectable pedestrian warning pads to cross the north leg of the intersections. Along the study segment, there are a total of 13 bus stops, with 6 servicing the westbound direction of Bird Road and 7 servicing the eastbound direction. As previously presented in **Figure 1**, The location of each bus stop along the study segment is described below:

- One bus stop is present on each side of the west leg of the intersection Bird Road and San Amara Drive servicing the eastbound and westbound departure.
- One bus stop is present on each side of the west leg of the intersection Bird Road and Pinta Court servicing the eastbound and westbound departure.
- One bus stop is present on south side of the west leg of the intersection Bird Road and Santa Maria Street servicing the eastbound departure.
- One bus stop is present on each side of the west leg of the intersection of Bird Road and University Drive servicing the eastbound and westbound departure.
- One stop is present on each side of the east leg of the intersection Bird Road and Granada Boulevard servicing the eastbound and westbound departure.
- One stop is present on each side of the east leg of the intersection Bird Road and Monserrate Street servicing the eastbound and westbound departure.
- One stop is present on each side of the east leg of the intersection Bird Road and Anderson Road servicing the eastbound and westbound departure.

It should be noted that all bus stops on the south side of Bird Road are on the grass shoulder with no pedestrian landing pad, sidewalk connectivity, or pedestrian crosswalk – see **Photograph 1**.



Photograph 1. Bus Stops Located on the South Side of Bird Road

Land Use

The land use surrounding the study intersection is primarily residential. However, between the intersections of Bird Road at Granada Boulevard and Toledo Street, there is one Country Club located on the south side of Bird Road and a Church on the north side.

Relevant Projects & Studies

Based on the FDOT 5-Year Work Program, there are no relevant FDOT projects identified within the study segment in the recent five years or scheduled. There is however a Miami-Dade County Project, to begin construction this year, to add sidewalk along both sides of University Drive from Blue Road to Bird Road. Plans are included in **Attachment B**.

Intersection of Bird Road at University Drive

The study intersection of Bird Road at University Drive is a signalized “T-“intersection with the following lane configuration, as presented in **Photograph 2** through **Photograph 4**:

- Northbound Approach: one left-turn only lane and one right-turn only bay.
- Eastbound Approach: one through only lane and one shared through/ right-turn lane.
- Westbound Approach: two through only lanes and one left-turn only bay.



Photograph 2: View of Northbound Approach of the Study Intersection
(One left-turn only lane and one right-turn only bay)



Photograph 3: View of Eastbound Approach at the Study Segment
(One through lane and one shared through/right-turn lane)



Photograph 4: View of Westbound Approach at the Study Segment
(One left-turn bay and two through lanes)

3. SIGNAL TIMING AND PHASING

The latest Time of Day (TOD) Plans (signal timing sheet) for the intersection of Bird Road and University Drive (Asset #2598) were obtained from the Miami-Dade County Traffic Signals and Signs Division (County) and are included in **Attachment C**. The signal currently operates a westbound left-turn movement along with the westbound through movement (Phase 1), then the westbound and eastbound through movements (Phase 2), and lastly the northbound right-turn and left-turn movements (Phase 3).

4. CRASH SUMMARY & ANALYSIS

The crash data for the five most recent and officially approved years for analysis (from January 2015 to December 2019) was downloaded from the FDOT's Crash Analysis Reporting (CAR) online for Bird Road (Roadway Section 87044000) from approximately 300 feet east (MP 6.267) of SW 57 Avenue to approximately 300 feet west (MP 7.541) of Riviera Drive. The police report for all pedestrian/bicycle crashes was downloaded from CAR online to verify crash type and crash location. The police report for all "Not Coded" crash types were also downloaded to confirm whether these crashes were pedestrian or bicycle related crashes; subsequently, the crash data was updated accordingly. Based on the crash data and police reports, a crash summary for all pedestrian and bicycle crashes was developed for the study segment for the five-year study period. A collision diagram, presented as **Figure 2**, was created depicting the pedestrian/bicycle crashes. In addition, Signal 4 Analytics was used as a supplemental source for the period from January 1, 2015, to February 8, 2023. The main intent for using Signal 4 was to identify any pedestrian or bicycle crashes resulting in severe injury during this period. Signal 4 is "an interactive, web-based system designed to support the crash mapping and analysis needs of law enforcement, traffic engineering, transportation planning agencies, and research institutions in the state of Florida." The overall crash statistics and major findings for the study segment are discussed next. The crash summary and CAR data for the referenced five-year period are included as **Attachment D**.

FDOT CAR:

Based on the crash data reviewed, a total of 693 crashes were documented within the study segment during the referenced five-year period with 151 crashes in 2015, 148 crashes in 2016, 144 crashes in 2017, 126 crashes in 2018, and 124 crashes in 2019, as presented in **Table 1**.

- **Leading Crash Types & Expected Values Analysis (EVA):** The three leading crash types at the study segment were Rear-End with 375 crashes (54%), Angle with 122 crashes (18%), and Left Turn with 67 crashes (10%). No Expected Values Analysis (EVA) was performed since these values are not available for study segments.
- **Pedestrian/Bicycle Crashes:** There were two pedestrian (<1%) and four bicycle (1%) crashes documented within the study segment during the five-year study period. These crashes will be described in detail in **Table 4**.
- **Nighttime and Wet Pavement:** There were 149 nighttime crashes (22%) reported which is lower than the 2015-2019 Districtwide average for all roadways of 28%. Nevertheless, there is streetlighting at the study segment. There were 110 (16%) of the total crashes reported that occurred under wet/slippery pavement conditions which is greater than the 2015-2019 Districtwide average for all roadways of 11%.

Table 2: FDOT CAR Crash Summary (2015-2019) at Study Segment

SR 976/Bird Road/SW 40 Street Segment Segment/Spot with No Expected Values Available		Number of Crashes					5 Year Total Crashes	Mean Crashes Per Year	%	Expected Annual Crash Value		90 %ile	95 %ile
		Year								Abnormally High Crashes per year			
		2015	2016	2017	2018	2019				90th percentile	95th percentile		
CRASH TYPE	Rear End	81	89	79	67	59	375	75.00	54.1%	0.00	0.00		
	Head On	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
	Angle	30	24	26	15	27	122	24.40	17.6%	0.00	0.00		
	Left Turn	10	15	14	11	17	67	13.40	9.7%	0.00	0.00		
	Right Turn	3	1	1	2	1	8	1.60	1.2%	0.00	0.00		
	Sideswipe	15	7	11	14	10	57	11.40	8.2%	0.00	0.00		
	Backed Into	0	1	1	0	1	3	0.60	0.4%	0.00	0.00		
	Pedestrian	2	0	0	0	0	2	0.40	0.3%	0.00	0.00		
	Bicycle	1	1	1	0	1	4	0.80	0.6%	0.00	0.00		
	Fixed Object	3	5	4	4	1	17	3.40	2.5%	0.00	0.00		
	Other Non-Collisions	2	0	1	1	2	6	1.20	0.9%	0.00	0.00		
	Overturn/Rollover	2	3	4	9	0	18	3.60	2.6%	0.00	0.00		
	Others	2	2	2	3	5	14	2.80	2.0%	0.00	0.00		
	Total Crashes	151	148	144	126	124	693	138.60	100.0%	0.00	0.00		
SEVERITY	PDO Crashes	120	122	115	105	92	554	110.80	79.9%	0.00	0.00		
	Fatal Crashes	2	1	0	0	0	3	0.60	0.4%	0.00	0.00		
	Injury Crashes	29	25	29	21	32	136	27.20	19.6%	0.00	0.00		
LIGHTING CONDITIONS	Daylight	120	117	115	93	99	544	108.80	78.5%	0.00	0.00		
	Dusk	1	2	0	1	2	6	1.20	0.9%	0.00	0.00		
	Dawn	1	0	3	2	0	6	1.20	0.9%	0.00	0.00		
	Dark	29	29	26	30	23	137	27.40	19.8%	0.00	0.00		
	Unknown	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
SURFACE CONDITIONS	Dry	124	123	126	110	100	583	116.60	84.1%	0.00	0.00		
	Wet	27	25	18	16	24	110	22.00	15.9%	0.00	0.00		
	Others	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		

- Crash Severity:** Based on crash severity, 80% (554 crashes) of all crashes resulted in property damage only crashes, 19% (136 crashes) in injury crashes, and <1% (3 crashes) resulted in a fatal during the study period. The fatal crashes consisted of a pedestrian crash in 2015, a bicyclist crash in 2015, and a fixed object (tree) crash in 2016.
- Peak Crash Period:** Most crashes occurred between 3 PM and 6 PM (3-hour period) with 169 crashes (24%).
- High Crash Location:** A confidence level analysis was performed for the study segment to determine whether the frequency of crashes recorded in 2015, 2016, 2017, 2018 and 2019 are abnormally high when compared to other segments of similar characteristics. According to the Highway Safety Improvement Program, urban locations with a confidence level of 99.95% are considered to have an abnormally high number of crashes. Based on the confidence level analysis, the study segment is not considered a high crash location. Furthermore, a review of the Department’s Five-Year High Crash Lists for 2015-2019 for intersections and segments indicate that the study segment of Bird Road is considered a high crash segment from west of SW 57 Avenue (MP 6.100) to approximately 110 feet east of Pinta Court (MP 6.619) and from approximately 50 feet west of University Drive (MP 6.924) to east of Riviera Drive (MP 7.607), also

including the intersection of Bird Road near Tiara Court. **Table 3** summarizes the crash statistics, including confidence level, for the study segment during the referenced years.

Table 3: Crash Statistics (2015-2019) at the Study Segment

Year	2015	2016	2017	2018	2019
Number of Crashes	151	148	144	126	124
Average Daily Traffic (ADT)	41,380	44,741	42,448	45,108	42,618
Actual Crash Rate (ACR)	7.847	7.114	7.295	6.007	6.257
District 6 Average Crash Rate (A)	7.715	7.637	8.045	7.819	7.591
Average Vehicle Exposure (M)	19.242	20.805	19.739	20.976	19.818
Critical Crash Rate (CCR)	9.772	9.607	10.121	9.805	9.603
Safety Ratio	0.803	0.740	0.721	0.613	0.652
Statistical Significance	0.251	-0.825	-1.135	-2.930	-2.115
Confidence Level	50.00%	50.00%	50.00%	50.00%	50.00%

Signal 4 Analytics:

Signal 4 Analytics identified one additional pedestrian crash in 2019, 1 pedestrian crash in 2020, and 1 pedestrian crash in 2022. The pedestrian crashes in 2020 and 2022 resulted in incapacitating injuries. The Signal 4 data for the referenced period are included in **Attachment D**.

Major Findings (pedestrian and bicycle crashes):

The following are the major findings for pedestrian crashes at the study segment per FDOT CAR and Signal 4 data from 2015 to February 8, 2023, as presented in **Figure 2** and **Table 4** (at the end of this section).

- There was a total of two crashes which involved a pedestrian or a bicyclist attempting to cross Bird Road at the intersection of Granada Boulevard and University Drive.
- There was a total of 9 pedestrian crashes during the eight-year period (from 2015 to December 18, 2022) with 1 crash resulting in a fatality. Three crashes occurred in 2015, one crash occurred in 2016, one crash occurred in 2017, two crashes occurred in 2019, one crash occurred in 2020 and the other crash occurred in 2022. Although seven of the crashes occurred during the week and the other two crashes occurred on Sunday, three crashes occurred during the morning from 6:00 AM to 12:00 PM, two crashes occurred during the afternoon from 12:00 PM to 6:00 PM, two crashes occurred at night from 6:00 PM to 12:00 AM and the other two crashes occurred during dawn from 12:00 AM to 6:00 AM. In seven of the nine crashes, the pedestrian or bicyclist was hit while traveling along the study segment.
- In 5 of the 9 crashes (56%), the pedestrian was found at fault for the crash for failure to yield the right-of-way.
- Five of the 9 crashes (56%) occurred during nighttime conditions.

- Eight of the 9 crashes (89%) involved pedestrians who resided within 7 miles or less from the study segment.
- In 2 of the 9 crashes (22%), the pedestrians crossed at an undesignated location away from marked crosswalks.
- All crashes occurred during clear weather and dry pavement conditions.
- All the pedestrians involved in the crashes were male with approximate age range of 45 years.
- Six of the 9 crashes (67%) occurred near the intersection of Bird Road at Granada Boulevard and University Drive. The three other crashes occurred at the intersections of Bird Road at Alhambra Circle, at Palmarito Street and at Segovia Street, respectively.

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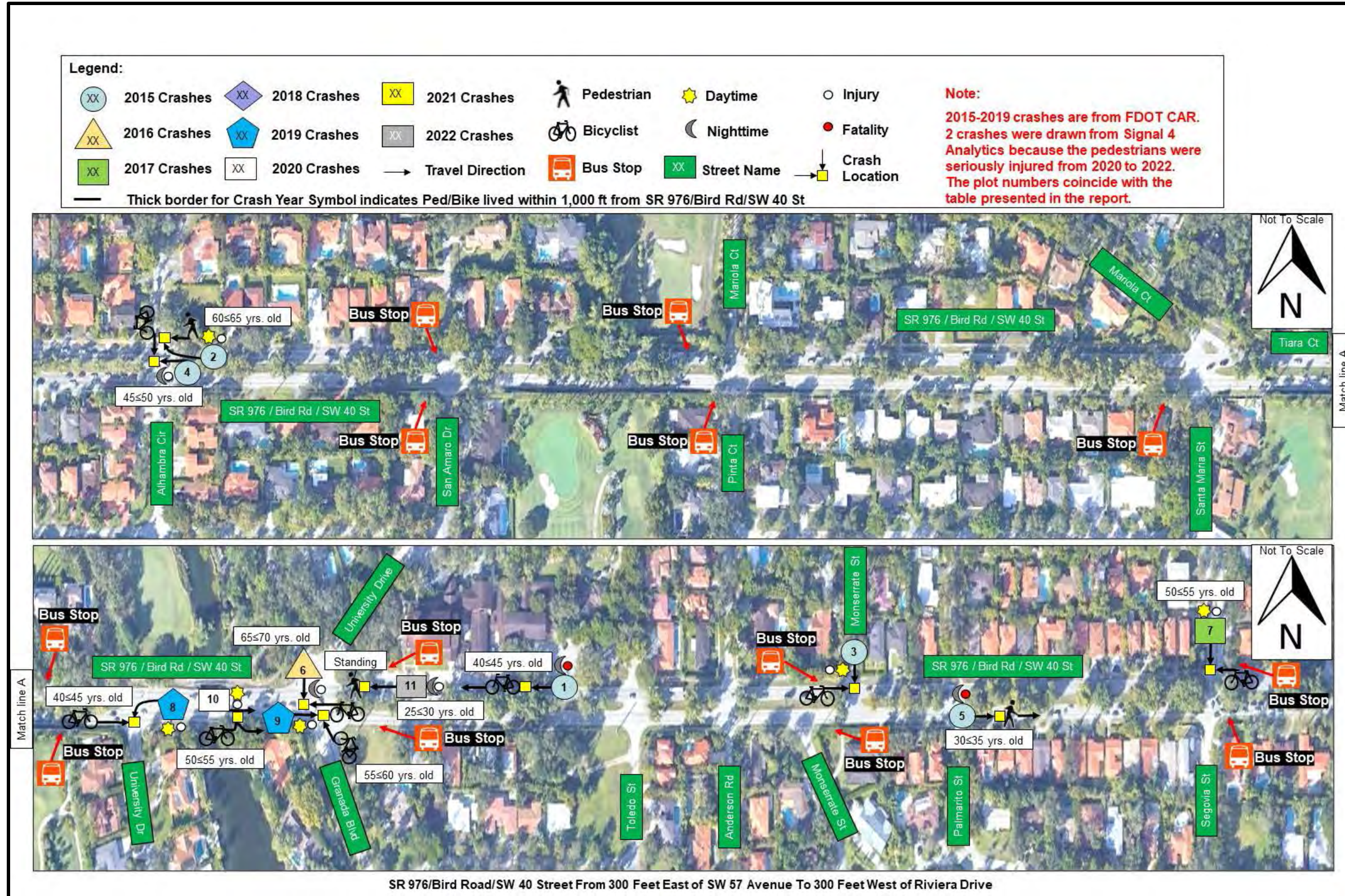


Figure 2: Pedestrian/Bicycle Collision Diagram at the Study Segment

Table 4: Pedestrian/Bicycle Crash Summary (1/1/2015 to 12/18/2022) at Study Segment

Collision Plot No	Crash Report No	Year	Data Source	Crash Type	Age Group	Gender	Nighttime	Time	Day	Wet	Injury Severity	Distance from Ped/Bike Residence to Study Segment	Ped/Bike Failed to Yield ROW	Ped/Bike Crossed at Undesignated Location (Midblock or w/o crosswalk)	Comment(s)
1	84686185	2015	FDOT CARS	Bike	40≤45	Male	√	3:03 AM	Thu		Fatal	6.8 Miles			Vehicle traveling westbound collided with a bicyclist traveling westbound on the street at approximately 138 feet east of Granada Blvd, the driver left the scene and did not stop to render aid to the bicyclist.
2	84686681	2015	FDOT CARS	Ped	60≤65	Male		3:02 PM	Fri		Non-Incapacitating	3.7 Miles	√		Pedestrian walking westbound collided into a vehicle that was making a westbound right-turn onto Alhambra Circle.
3	86008207	2015	SIGNAL4	Bike	40≤45	Male		11:40 AM	Tue		Non-Incapacitating	3.3 Miles			An eastbound riding bicyclist and a westbound vehicle collided when they tried to cross the north leg of the intersection of Monserrate Street.
4	86008581	2015	SIGNAL4	Bike	45≤50	Female	√	7:12 AM	Tue		Non-Incapacitating	1.2 Miles		√	A westbound vehicle collided with a bicyclist that was traveling southbound, the driver ran the red light of the Alhambra Circle intersection. The driver was found at fault and cited.
5	86009102	2015	FDOT CARS	Ped	30≤35	Male	√	10:47 PM	Sun		Fatal	4,000 Feet			A vehicle collided with a bicyclist while they were traveling eastbound in the outside lane at approximately 30 feet east of Palmarito street. As a result, the pedestrian was fatally injured.
6	86365477	2016	FDOT CARS	Bike	65≤70	Male	√	8:41 PM	Sun		Incapacitating	1.9 Miles	√	√	A bicyclist riding westbound was improperly crossing the intersection of University Drive and Granada Boulevard (ran red light) and failed to yield the right-of-way to an oncoming southbound vehicle causing a collision.
7	86772691	2017	FDOT CARS	Bike	50≤55	Male		9:02 AM	Tue		Incapacitating	4.8 Miles			A southbound vehicle failed to yield the right-of-way to a bicyclist that was traveling westbound at the north crosswalk of Segovia Street.
8	88639678	2019	FDOT CARS	Bike	40≤45	Male		5:21 PM	Tue		Incapacitating	4.2 Miles			The driver of a westbound vehicle did not yield the right-of-way to an eastbound bicyclist while making a left-turn at the south leg of the University Drive intersection.
9	88641304	2019	SIGNAL4	Bike	55≤60	Male	√	6:10 AM	Wed		Non-Incapacitating	2.2 Miles	√		A bicyclist riding in the northwest direction, attempted to cross the intersection of University Drive and Granada Boulevard, running the red light. The bicyclist failed to yield the right-of-way to an oncoming eastbound vehicle. The bicyclist was found at fault and cited.
10	89920585	2020	SIGNAL4	Bike	50≤55	Male		9:39 AM	Fri		Incapacitating	3.2 Miles	√		Bicyclist was traveling eastbound alongside traffic when he changed lanes crashing into a vehicle traveling parallel to him at approximately 100 feet west of Granada Boulevard. The bicyclist was cited for improperly changing lanes.
11	25185909	2022	SIGNAL4	Ped	25≤30	Male	√	5:41 AM	Mon		Incapacitating	13.6 Miles	√	√	A pedestrian was standing in the westbound lane at the intersection of University Drive and Granada Boulevard when he collided with an oncoming westbound vehicle.

Note: This table presents a summary of all pedestrian and bicycle crashes documented within the study segment based on FDOT CAR data (2015-2019) and Signal 4 data (2020 to 12/18/2022). The crashes coincide with the crashes presented in the collision diagram.

5. PEDESTRIAN/BICYCLE COUNTS

The pedestrian and bicycle count for the study segment were collected for three different periods of a typical weekday, based on the traffic data, three peak periods were selected for the morning, midday, and afternoon. The pedestrian and bicycle counts were collected from 9:00 AM to 11:00 AM, from 1:00 PM to 3:00 PM, and from 5:00 PM to 7:00 PM on Wednesday, November 2, 2022, to determine the level of activity. Since this study was initiated due to a citizen's request to implement midblock pedestrian crossings, only pedestrians/bicyclists crossing Bird Road were counted. The data was collected by two vehicles video recording while driving through the study segment with a 2-minute interval difference between them. Each vehicle contained two technicians - a driver and one passenger recording the pedestrian crossings. Both vehicles-maintained communication throughout the entire data collection period to avoid recording the same pedestrian crossing. Additionally, pedestrian and bicycle crossings at all legs of the intersection of Bird Road and University Drive were collected for three different peak periods from 7:00 AM to 7:00 PM on Wednesday, November 2, 2022, as well as on Friday, November 4, 2022, and on Saturday, November 5, 2022. The results are included as **Attachment E**.

Overall, a total of 39 pedestrians and or bicyclists were observed crossing Bird Road at various locations throughout the study segment during the data collection effort. The two locations with the most pedestrian/bicyclist crossings were between Alhambra Circle and San Amaro Drive, and between Palmarito Street and Segovia Street with 9 and 7 pedestrian and or bicyclist crossings, respectively. There were no pedestrian/bicyclist crossings (0) between Pinta Drive and Santa Maria Street during the data collection effort. **Table 5** includes a summary of the pedestrian and bicycle counts along the study segment. For the intersection of Bird Road and University Drive, there was an increase in pedestrian and bicyclist crossing at the intersection by a factor of 10 in each study period. There was a total of 16 pedestrian/bicyclist crossings during the morning peak period, 26 pedestrian/bicyclist crossings during the midday peak period, and 36 pedestrian/bicyclist crossings during the afternoon peak period. During the morning, midday, and afternoon peak periods the intersection leg with the most pedestrian/bicyclist crossings was the west leg with 6, 9 and 13 pedestrian/bicyclist crossings, respectively. There were no pedestrian/bicyclist crossings during the morning and midday peak periods at the east leg of the intersection, except for the afternoon peak period which had 2 pedestrian/bicyclist crossings from 11:00 AM to 12:00 PM. The highest amount of pedestrian/bicyclist crossings during the collection effort was 6 crossings occurring in the afternoon peak period at the west leg from 10:00 AM to 11:00 AM. **Table 6** includes a summary of the pedestrian and bicycle counts at the intersection of Bird Road and University Drive.

Table 5: Pedestrian/Bicycle Count Summary for the Study Segment

Wednesday, November 2, 2022

SR 876/Bird Road/SW 40 Street from 300 feet east of SR 959/SW 57 Avenue to 300 feet west of Riviera Drive

Time	Btw SW 57 Ave & Alhambra Cir Segment (Length 683 ft)	Btw Alhambra Cir & San Amaro Dr Segment (Length = 678 ft)	Btw San Amaro Dr & Pinta Ct Segment (Length 685 ft)	Btw Pinta Dr & Santa Maria St Segment (Length= 1099 ft)	Btw Santa Maria St & University Dr Segment (Length= 583 ft)	Btw University Dr & Granada Blvd Segment (Length= 528 ft)	Btw Granada Blvd & Toledo St Segment (Length= 879 ft)	Btw Toledo St & Anderson Rd Segment (Length= 260 ft)	Btw Anderson Rd & Monserrate St Segment (Length= 89 ft)	Btw Monserrate St & Palmarito St Segment (Length= 87 ft)	Btw Palmarito St & Segovia St Segment (Length= 714 ft)	Btw Segovia St & Riviera Dr Segment (Length= 600 ft)	Total
9 AM to 10 AM		1			1			2			2		6
10 AM to 11 AM	1	1			1		1						4
1 PM to 2 PM	1	1			2	1					2	2	9
2 PM to 3 PM	2	1	1					2	1		1		8
5 PM to 6 PM	1	3								1	1		6
6 PM to 7 PM		2	1			1			1		1		6
Total	5	9	2	0	4	2	1	4	2	1	7	2	39

Table 6: Pedestrian/Bicycle Count Summary for the Intersection of Bird Road and University Drive

Wednesday, November 2, 2022												
Time	Crossing West Leg				Crossing East Leg				Crossing South Leg			
	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total
7 AM to 8 AM				0				0				0
8 AM to 9 AM				0				0				0
9 AM to 10 AM				0				0		1		1
10 AM to 11 AM				0				0				0
11 AM to 12 PM			1	1				0				0
12 PM to 1 PM				0				0				0
1 PM to 2 PM				0				0		1		1
2 PM to 3 PM				0				0				0
3 PM to 4 PM	1	1		2				0				0
4 PM to 5 PM				0				0				0
5 PM to 6 PM		1		1				0				0
6 PM to 7 PM		2		2				0				0
Total	1	4	1	6	0	0	0	0	0	2	0	2
Friday, November 4, 2022												
Time	Crossing West Leg				Crossing East Leg				Crossing South Leg			
	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total
7 AM to 8 AM				0				0				0
8 AM to 9 AM	1			1				0				0
9 AM to 10 AM				0				0				0
10 AM to 11 AM				0				0		1		1
11 AM to 12 PM		1	1	2				0	1			1
12 PM to 1 PM				0				0				0
1 PM to 2 PM		1		1				0		1		1
2 PM to 3 PM	1	1		2				0				0
3 PM to 4 PM	2			2				0				0
4 PM to 5 PM				0				0		1		1
5 PM to 6 PM				0				0				0
6 PM to 7 PM			1	1				0				0
Total	4	3	2	9	0	0	0	0	1	3	0	4
Saturday, November 5, 2022												
Time	Crossing West Leg				Crossing East Leg				Crossing South Leg			
	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total	Ped	Bicycle	Scooter	Total
7 AM to 8 AM				0				0				0
8 AM to 9 AM		2		2				0				0
9 AM to 10 AM	1			1				0		1		1
10 AM to 11 AM	4	2		6				0				0
11 AM to 12 PM	1		1	2		2		2		1		1
12 PM to 1 PM				0				0				0
1 PM to 2 PM				0				0				0
2 PM to 3 PM				0				0				0
3 PM to 4 PM	1	1		2				0				0
4 PM to 5 PM				0				0				0
5 PM to 6 PM				0				0		1		1
6 PM to 7 PM				0				0				0
Total	7	5	1	13	0	2	0	2	0	3	0	3

6. FIELD ASSESSMENTS

Field reviews were conducted along the study segment focusing on the pedestrian and bicycle activity. To cover a wide area of the study segment within the pedestrian crossing time, a drive through video recording was conducted on Wednesday, November 2, 2022, from 9:00 AM to 11:00 AM, 1:00 PM to 3:00 PM, and 5:00 PM to 7:00 PM. The following observations and field photographs summarize the main findings at the study segment and can apply to any period, unless otherwise indicated.

- The pedestrian and bicycle crossing activity at the study segment was moderately low throughout the whole day. Oftentimes, the pedestrians that were spotted crossing Bird Road were going to and from the bus stops – see **Photograph 5**. In photograph 3A two women were seen walking toward the southside bus stop located between Segovia Street and Riviera Drive, and in photograph 3B one woman was seen leaving the north side bus stop between Anderson Road and Monserrate Street.
- In addition to the pedestrians accessing the bus stops, there were pedestrians engaging in leisure activities such as running and exercising along the sidewalk on the north side of Bird Road. On one occasion, a pedestrian was observed running across one approach and waiting for a gap at the median before proceeding toward Amaro Drive – see **Photograph 6**.
- There were multiple instances where house workers would be seen crossing along the north side of the study segment with white buckets – See **Photograph 7**.
- On one occasion, a pedestrian crossed between Granada Boulevard and Toledo Street to get to the Granada Church located on the north side of Bird Road – see **Photograph 8**.

A field video camera was also installed at the intersection of Bird Road and University Drive to record pedestrian activity from 9:00 AM to 11:00 AM, 1:00 PM to 3:00 PM, and 5:00 PM to 7:00 PM on Wednesday, November 2, 2022, Friday November 4th, 2022, and Saturday November 5, 2022. The following observations and photographs summarize the main findings.

- There was moderate pedestrian and bicyclist movement at the intersection with most pedestrians crossing the west leg of Bird Road – see **Photograph 9**.
- On one instance there was a pedestrian that crossed the south leg and began walking on the road since there were no sidewalk connectivity – see **Photograph 10**.
- Pedestrians crossing the south leg would primarily be utilizing a bicycle and would go onto the road since there was no sidewalk for them to ride on – see **Photograph 11**.
- The pedestrians that would cross on the study intersection were often engaging in leisure activities such as biking, running, or riding a scooter – see **Photograph 12**.



Photograph 5. Women Walking to/from Bus Stops



Photograph 6. Runner waiting in median opening



Photograph 7. Pedestrian Crossing to Access the Granada Church



Photograph 8. Pedestrian Crossing to Access the Granada Church



Photograph 9. Pedestrian Crossing the West Leg on Scooter



Photograph 10. Pedestrian walking on road



Photograph 11. Bicyclist crossing south leg



Photograph 12. Bicyclist crossing west leg

7. CONCLUSION & RECOMMENDATIONS

Study Segment of Bird Road

Based on the pedestrian crossing behavior and low pedestrian volumes documented throughout the study segment, it is not recommended at this time for the Department to further evaluate the need to provide marked midblock pedestrian crossings for Bird Road within the study limits from 300 feet east of SW 57 Avenue to 300 feet west of Riviera Drive, except at the intersection of University Drive which is discussed below. The intersections of SW 57 Avenue and Riviera Drive are exempt from the purpose of this effort since these locations already provide pedestrian crosswalks.

Intersection of Bird Road at University Drive & Sidewalk Connectivity

For the intersection of Bird Road and University Drive the following recommendations are suggested to the Department: The installation of a crosswalk on the west leg of the study intersection. As seen in the field assessments (Section 6) and **Table 6**, there was a moderate amount of pedestrian crossing activity throughout the day with 6 pedestrian crossings on Wednesday, 9 pedestrian crossings on Friday, and 13 pedestrian crossings on Saturday. Currently, there is no sidewalk connectivity on the south side of Bird Road; however, the County will add a sidewalk along both sides of University Drive from Blue Road to Bird Road (plans included in **Attachment B**). Construction is to begin this year. Therefore, conceptual plans are being developed by our firm for the Department for adding a crosswalk at the west leg of the intersection. The conceptual plans are under this same study contract, Task Work Order 58.

Due to the study segment being a part of historical Coral Gables, a planning study is recommended to the Department to determine whether sidewalk connectivity to the transit stops located on the south side of Bird Road is also feasible. Given that there is already sidewalk on the north side of Bird Road within the study limits, the implementation of sidewalk along the south side of Bird Road should connect to the existing sidewalk in the southeast corner of the signalized intersection of SW 57 Avenue and continue east to University Drive, where the County will add sidewalk along both sides of University Drive. At this intersection, a west leg crosswalk should be implemented to provide connectivity to the north side sidewalk along Bird Road and to the east of the study segment. Due to the bridge on Bird Road between University Drive and Granada Boulevard, it does not seem feasible to provide sidewalk connectivity on the south side of Bird Road between these two intersections but to use the existing sidewalk on the north side of Bird Road. The sidewalk connectivity for the south side should continue from Granada Boulevard to the east to Riviera Drive where sidewalk is already present. The continuation of sidewalk on the south side of Bird Road would require the need to provide a crosswalk on the east leg of the Granada Boulevard intersection to maintain full connectivity.

It is worth mentioning that as per FDM 222.2.8, a minimum 5-foot-wide sidewalk connection is required for transit stops. Currently there are 13 bus stops along the south side of Bird Road and none of them have sidewalk accessibility for pedestrians. This effort is to be coordinated with the District ADA Coordinator.

These recommendations are expected to facilitate and improve the safety of pedestrians crossing to and from the bus stops and engaging in leisure activities along the study area.

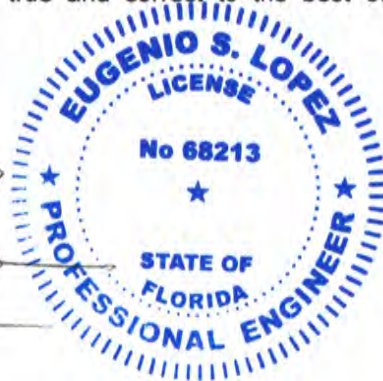
List of Attachments:

- Attachment A: Email CTP Correspondence
- Attachment B: County Sidewalk Project Plans
- Attachment C: Signal Timing/Phasing Information
- Attachment D: Crash Summaries & FDOT CAR/Signal 4 Data
- Attachment E: Ped/Bike Count Data

Engineer's Certification

I, Eugenio S. Lopez, P.E. No. 68213, certify that I currently hold an active Professional Engineer's License in the State of Florida and am competent through education and experience to provide engineering services in the civil and traffic engineering disciplines contained in this report. I further certify that this report was prepared by me or under my responsible charge as defined in Chapter 61G15-18.011 F.A.C. and that all statements, conclusion, and recommendations made herein are true and correct to the best of my knowledge and ability.

10/10/2023

Eugenio S. Lopez, P.E., PTOE
P.E. No. 68213



Attachment A: Email CTP Correspondence

Elizabeth M. Gonzalez

From: Eugenio Lopez
Sent: Friday, December 23, 2022 8:58 AM
To: Elizabeth M. Gonzalez
Subject: FW: CTP# 2022-07-0011. Section 87019 000 / SR 817 / NW 27th Avenue and NW 207th Street. Request for Pedestrian Safety Improvements.

From: Sotolongo, Isis <Isis.Sotolongo@dot.state.fl.us>
Sent: Monday, September 12, 2022 11:31 AM
To: dswain@milianswain.com
Cc: Sierra, Ramon <Ramon.Sierra@dot.state.fl.us>; Leon, Misleidys <Misleidys.Leon@dot.state.fl.us>; Lopez, Eugenio <elopez@choiceeng.com>
Subject: FW: CTP# 2022-07-0011. Section 87019 000 / SR 817 / NW 27th Avenue and NW 207th Street. Request for Pedestrian Safety Improvements.
Importance: High

Subject: CTP# 2022-09-0005. Section 87044 000 / SR 976/Bird Road from Riviera Road to SW 57th Avenue. Request for Pedestrian Safety Improvements.

Good morning Mrs. Swain,

Your request for a pedestrian safety evaluation at the subject location was routed to me for a response. The District 6 Traffic Operations office will initiate a pedestrian safety evaluation to assess existing conditions, focusing on pedestrian activity and vehicle interaction, the study will review existing pedestrian/bicycle connectivity to determine if additional crossings are warranted. We expect to complete the study within the next 90 days. I will communicate you the results of the study and a plan of action as soon as they become available.

The Department appreciates the time and effort you have taken in bringing this matter to our attention, and looks forward to addressing concerns raised. Should you have any questions or need additional information, do not hesitate to contact me at the number below or via e-mail.

Sincerely,

Isis Sotolongo
Bike & Ped Traffic Specialist III
Florida Department of Transportation
District Traffic Operations
Phone: 305-470-5187



Attachment B: County Sidewalk Project Plans

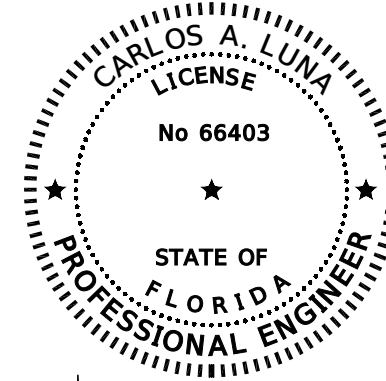


CONTRACT PLANS

FOR

UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD

CITY OF CORAL GABLES, FLORIDA



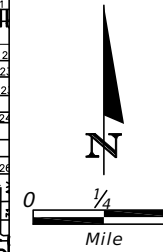
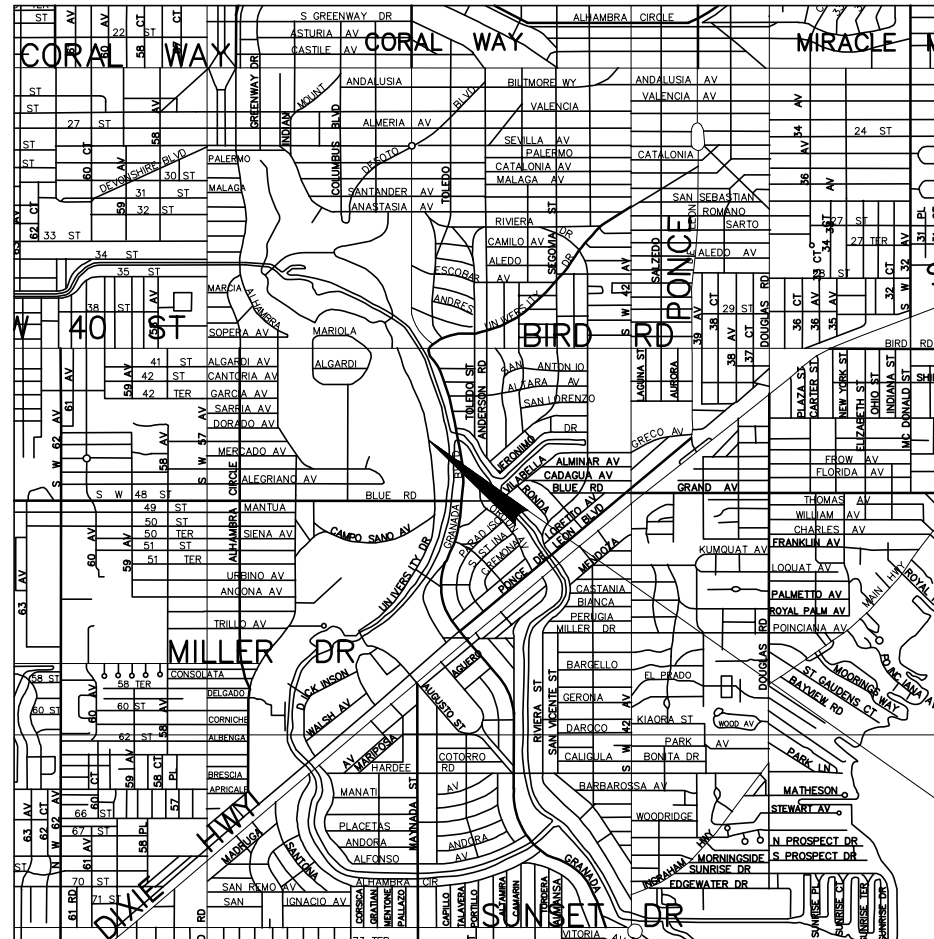
THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

DAVID PLUMMER & ASSOCIATES
1750 PONCE DE LEON BOULEVARD
CORAL GABLES, FL 33134
CERTIFICATE OF AUTHORIZATION EB 2690
CARLOS A. LUNA, P.E. NO. 66403

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	SUMMARY OF QUANTITIES
2	TYPICAL STRUCTURAL SECTIONS
3 - 6	TYPICAL SECTION DETAILS
7	GENERAL NOTES
8 - 13	SIDEWALK PLANS
14 - 19	DRAINAGE PLANS
20 - 22	DRAINAGE DETAILS
23 - 25	CONSTRUCTION STANDARD DETAILS
26	TRAFFIC CONTROL PLANS GENERAL NOTES
27	SIGNING AND MARKING GENERAL NOTES AND SIGNALIZATION GENERAL NOTES
28	SIGNING AND PAVEMENT MARKING PLAN



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CITY SUBMITTAL

PROJECT LOCATION

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION
STANDARD PLANS FY 2022-23,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED JULY 2022,
AS AMENDED BY CONTRACT DOCUMENTS.

PREPARED FOR:
CITY OF CORAL GABLES

CITY OF CORAL GABLES COMMISSIONERS

VINCE C. LAGO - MAYOR
MICHAEL MENA - VICE MAYOR
RHONDA ANDERSON - COMMISSIONER
JORGE L. FORS, JR. - COMMISSIONER
KIRK R. MENENDEZ - COMMISSIONER



PREPARED BY:
DAVID PLUMMER & ASSOCIATES, Inc.
1750 Ponce de Leon Boulevard
Coral Gables, Florida 33134
EB 2690

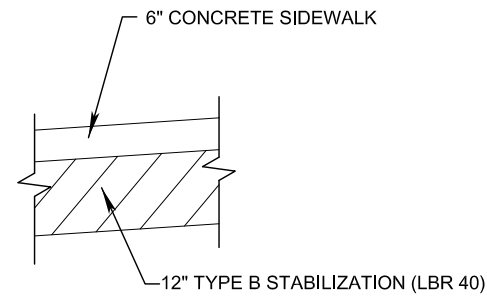
"THIS PLAN WAS PREPARED UNDER MY DIRECTION
AND TO THE BEST OF MY KNOWLEDGE AND BELIEF
COMPLIES WITH THE INTENT OF THE MANUAL OF
UNIFORM MINIMUM STANDARDS FOR DESIGN,
CONSTRUCTION AND MAINTENANCE FOR STREETS
AND HIGHWAYS, AS ADOPTED BY THE STATE
OF FLORIDA LEGISLATURE. CHAPTER 72-328 F.S."

APPROVED BY: _____

DATE: _____

P.E. NO.: _____

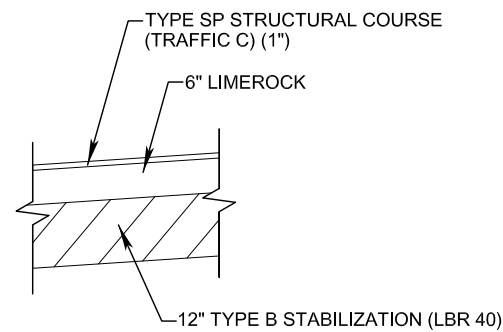
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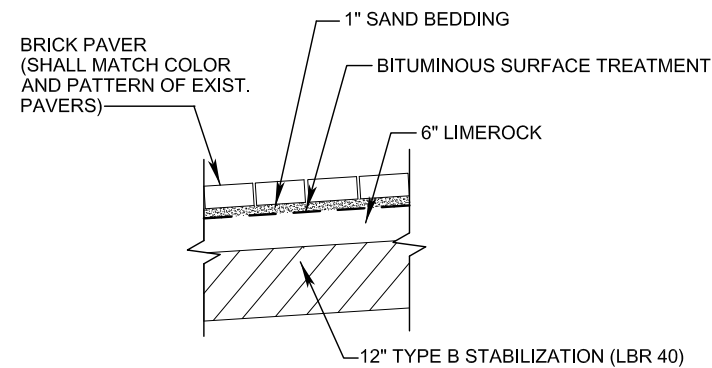
TYPICAL STRUCTURAL SECTION FOR CONCRETE SIDEWALK (6" THICK)

NOTES:

1. INCLUDE 6" OF SIDEWALK PASSING THROUGH ALL DRIVEWAYS.
2. INCLUDE 1 FOOT OF 6" SIDEWALK ON EACH SIDE OF ALL DRIVEWAYS.



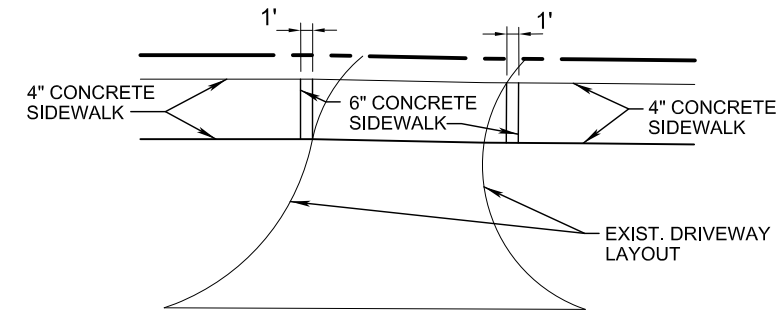
TYPICAL STRUCTURAL SECTION FOR RECONSTRUCTION OF ASPHALTIC CONCRETE DRIVEWAY



TYPICAL STRUCTURAL SECTION FOR RECONSTRUCTION OF BRICK PAVER DRIVEWAY

NOTE:

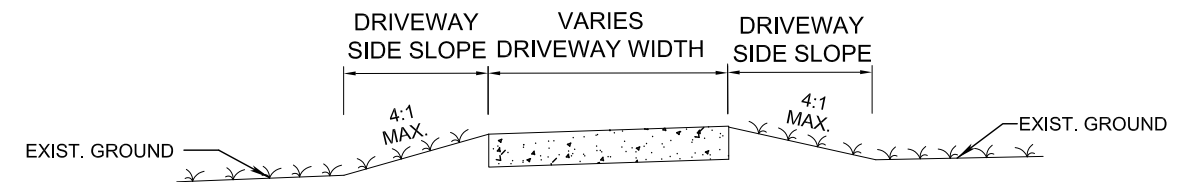
1. CONTRACTOR SHALL STACK EXCESS BRICKS / PAVERS 5 FEET INSIDE PROPERTY LINE.
2. CONTRACTOR SHALL CAREFULLY REMOVE EXISTING PAVERS, STORE AND REUSE. DAMAGED PAVERS ARE TO BE REPLACED TO MATCH COLOR AND PATTERN OF EXIST. PAVERS.



DRIVEWAY PLAN VIEW

NOTES:

1. CONTRACTOR SHALL FOLLOW EXISTING LAYOUT WHEN DOING TOTAL OR PARTIAL DRIVEWAY RECONSTRUCTION.
2. CONTRACTOR SHALL USE SIMILAR COLOR, PATTERN, TEXTURE OF EXISTING DRIVEWAY.



DRIVEWAY CROSS SECTION

ISSUING DATE : 11-09-2022

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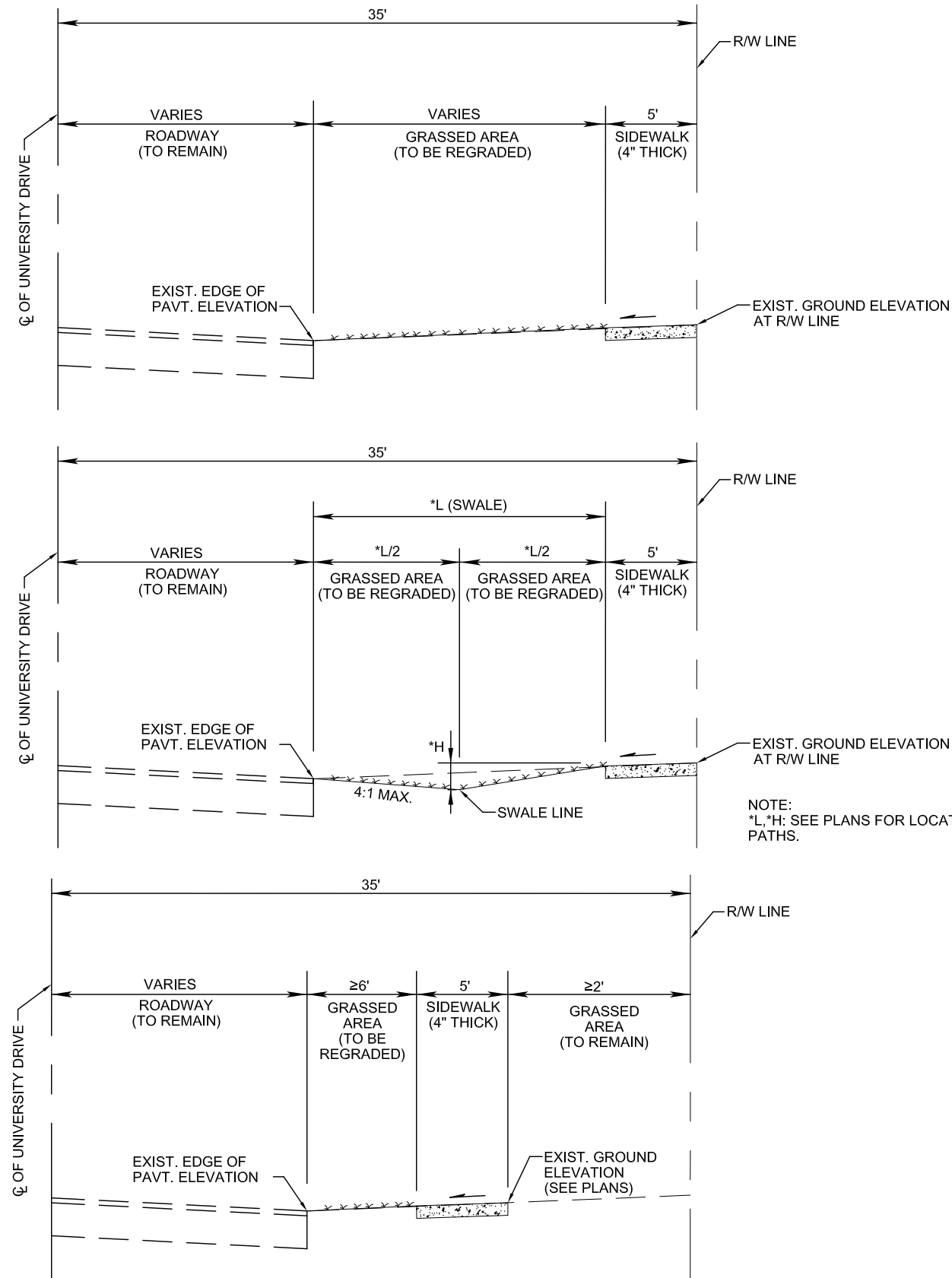
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **TYPICAL STRUCTURAL SECTIONS**

DATE	PROJECT NO.
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CASE 1:
PROPOSED SIDEWALK IS LOCATED AT RIGHT-OF-WAY LINE, AND EXISTING GROUND SLOPES FROM RIGHT-OF-WAY LINE TOWARDS EDGE OF ROADWAY:
1. IF SLOPE OF EXISTING GROUND IS FROM 0.5% TO 2.0%, CONSTRUCT SIDEWALK WITH SLOPE THAT MATCHES SLOPE OF EXISTING GROUND.
2. IF SLOPE OF EXISTING GROUND IS GREATER THAN 2.0%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY). REGRADE EXISTING GROUND BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

CASE 1:
PROPOSED SIDEWALK IS LOCATED AT RIGHT-OF-WAY LINE, AND EXISTING GROUND SLOPES FROM RIGHT-OF-WAY LINE TOWARDS EDGE OF ROADWAY:
3. IF SLOPE OF EXISTING GROUND IS FLATTER THAN 0.5%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY) AND REGRADE EXISTING GROUND TO CREATE A SWALE BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

NOTE:
*L,*H: SEE PLANS FOR LOCATION AND ELEVATION OF SWALES PATHS.

CASE 2:
PROPOSED SIDEWALK IS LOCATED 6 FEET OR GREATER FROM EDGE OF ROADWAY, OR 2 FEET OR GREATER FROM RIGHT-OF-WAY LINE, AND EXISTING GROUND SLOPES FROM RIGHT-OF-WAY LINE TOWARDS EDGE OF ROADWAY:
1. IF SLOPE OF EXISTING GROUND IS FROM 0.5% TO 2.0%, CONSTRUCT SIDEWALK WITH SLOPE THAT MATCHES SLOPE OF EXISTING GROUND.
2. IF SLOPE OF EXISTING GROUND IS GREATER THAN 2.0%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY). REGRADE EXISTING GROUND BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.
3. IF SLOPE OF EXISTING GROUND IS FLATTER THAN 0.5%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY) AND REGRADE EXISTING GROUND TO CREATE A SWALE BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

ISSUING DATE : 11-09-2022



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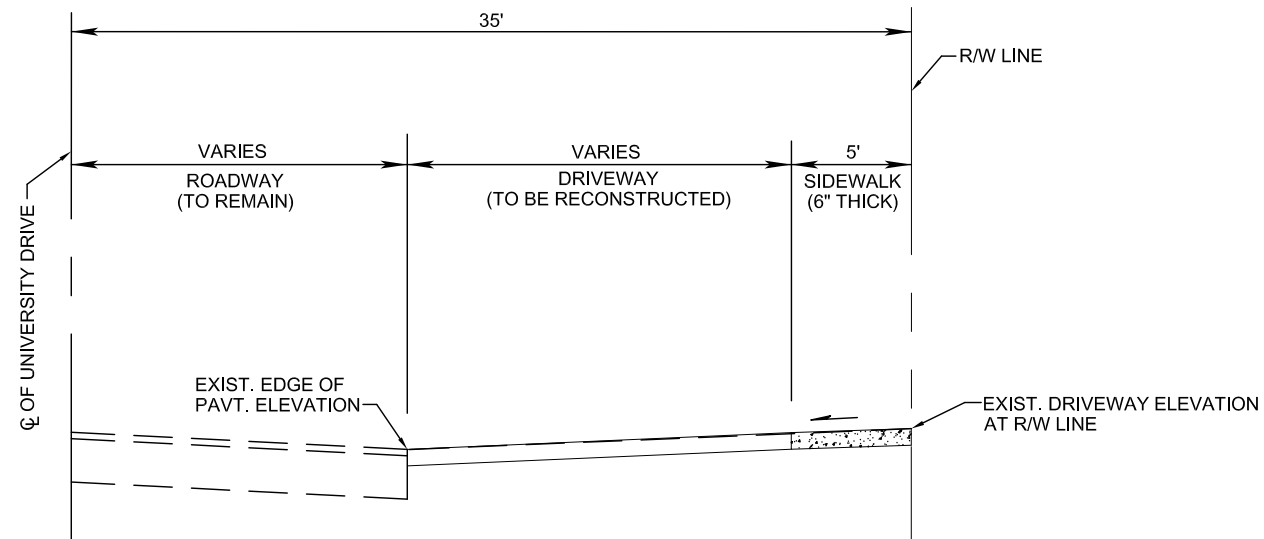
REVISIONS:

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PROJECT:
UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD

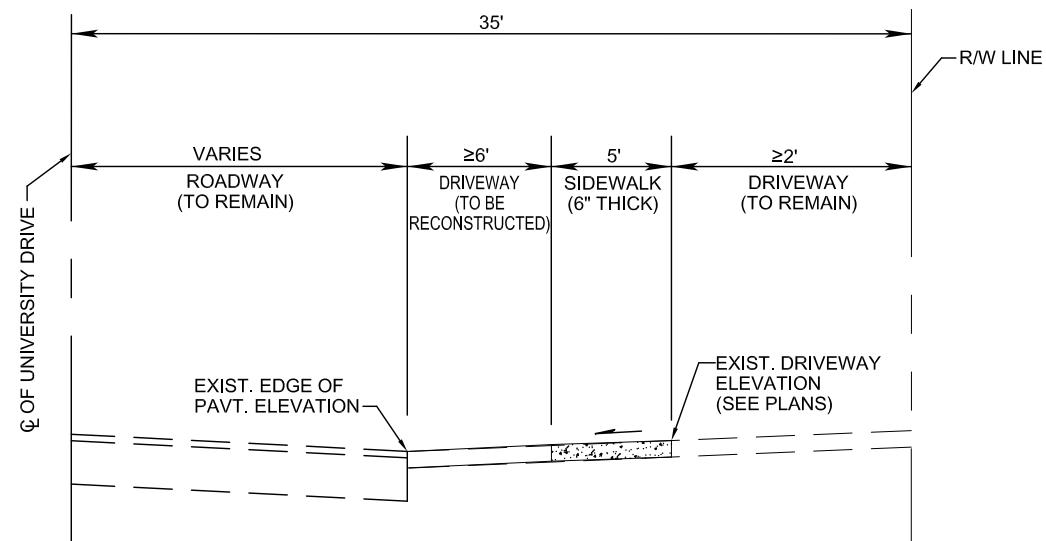
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CASE 3:
 PROPOSED SIDEWALK IS LOCATED AT RIGHT-OF-WAY LINE, AND EXISTING DRIVEWAY SLOPES FROM RIGHT-OF-WAY LINE TOWARDS EDGE OF ROADWAY:

1. IF SLOPE OF EXISTING DRIVEWAY IS FROM 0.5% TO 2.0%, CONSTRUCT SIDEWALK WITH SLOPE THAT MATCHES SLOPE OF EXISTING DRIVEWAY.
2. IF SLOPE OF EXISTING DRIVEWAY IS GREATER THAN 2.0%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY). RECONSTRUCT EXISTING DRIVEWAY BETWEEN FRONT OF SIDEWALK AND LIMITS SHOWN IN THE PLANS.
3. IF SLOPE OF EXISTING DRIVEWAY IS FLATTER THAN 0.5%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY) AND RECONSTRUCT EXISTING DRIVEWAY BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.



CASE 4:
 PROPOSED SIDEWALK IS LOCATED 6 FEET OR GREATER FROM EDGE OF ROADWAY, OR 2 FEET OR GREATER FROM RIGHT-OF-WAY LINE, AND EXISTING DRIVEWAY SLOPES FROM RIGHT-OF-WAY LINE TOWARDS EDGE OF ROADWAY:

1. IF SLOPE OF EXISTING DRIVEWAY IS FROM 0.5% TO 2.0%, CONSTRUCT SIDEWALK WITH SLOPE THAT MATCHES SLOPE OF EXISTING DRIVEWAY.
2. IF SLOPE OF EXISTING DRIVEWAY IS GREATER THAN 2.0%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY). RECONSTRUCT EXISTING DRIVEWAY BETWEEN FRONT OF SIDEWALK AND LIMITS SHOWN IN THE PLANS.
3. IF SLOPE OF EXISTING DRIVEWAY IS FLATTER THAN 0.5%, CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY) AND RECONSTRUCT EXISTING DRIVEWAY BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

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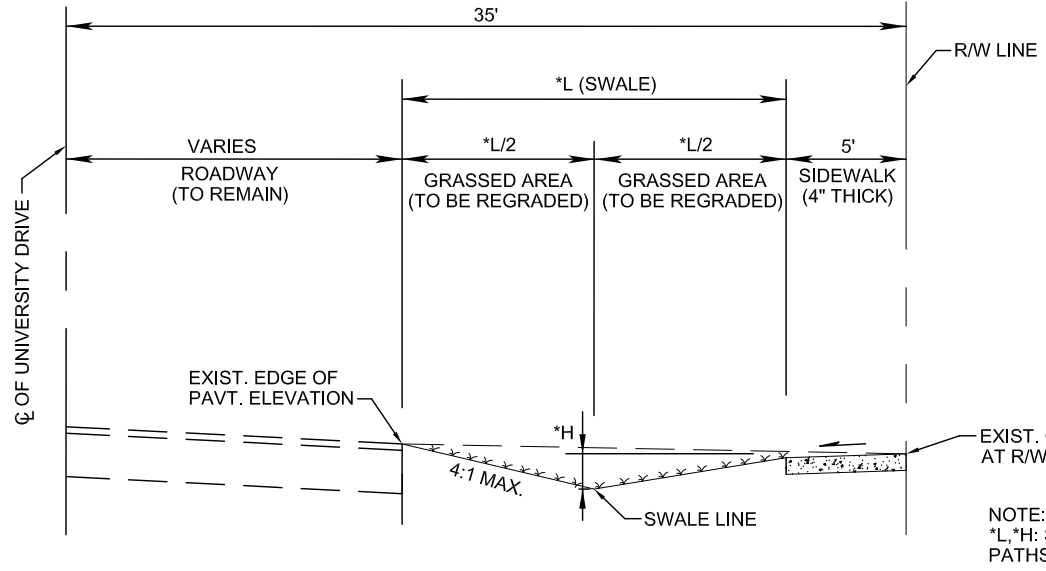
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
 FROM BLUE ROAD TO BIRD ROAD**

TITLE:
TYPICAL SECTION DETAILS

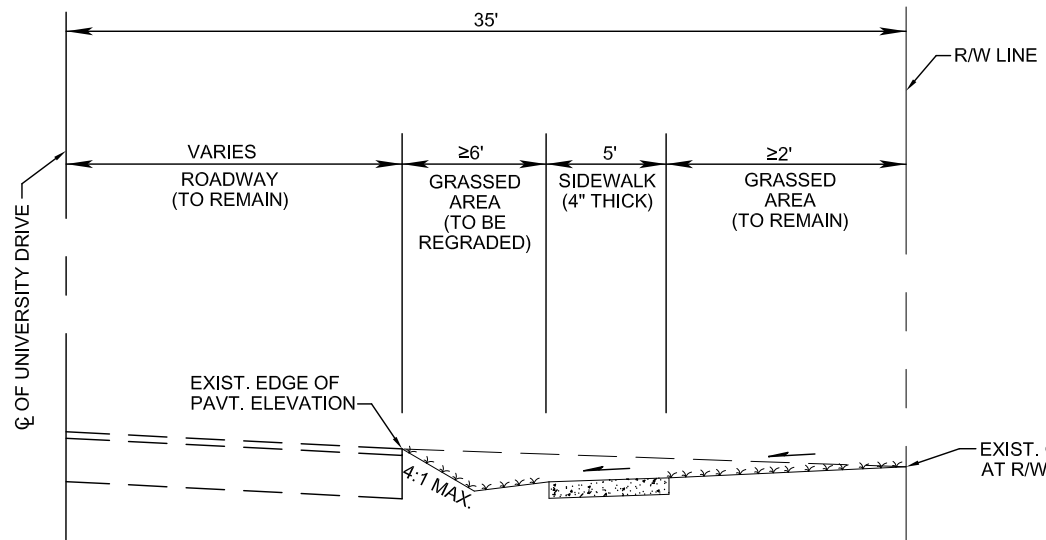
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CASE 5:
 PROPOSED SIDEWALK IS LOCATED AT RIGHT-OF-WAY LINE, AND EXISTING GROUND SLOPES FROM EDGE OF ROADWAY TOWARDS RIGHT-OF-WAY LINE:
 1. CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS ROADWAY) AND REGRADE EXISTING GROUND TO CREATE A SWALE BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

NOTE:
 *L,*H: SEE PLANS FOR LOCATION AND ELEVATION OF SWALES PATHS.



CASE 6:
 PROPOSED SIDEWALK IS LOCATED 6 FEET OR GREATER FROM EDGE OF ROADWAY, OR 2 FEET OR GREATER FROM RIGHT-OF-WAY LINE, AND EXISTING GROUND SLOPES FROM EDGE OF ROADWAY TOWARDS RIGHT-OF-WAY LINE:
 1. CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS EDGE OF ROADWAY) AND REGRADE EXISTING GROUND TO CREATE A SWALE BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF ROADWAY.

NOTE:
 PROPOSED BACK OF SIDEWALK ELEVATION SHOULD BE LOWER THAN EXIST. GROUND ELEVATION AT THE R/W LINE. SEE PLANS FOR PROPOSED ELEVATIONS.

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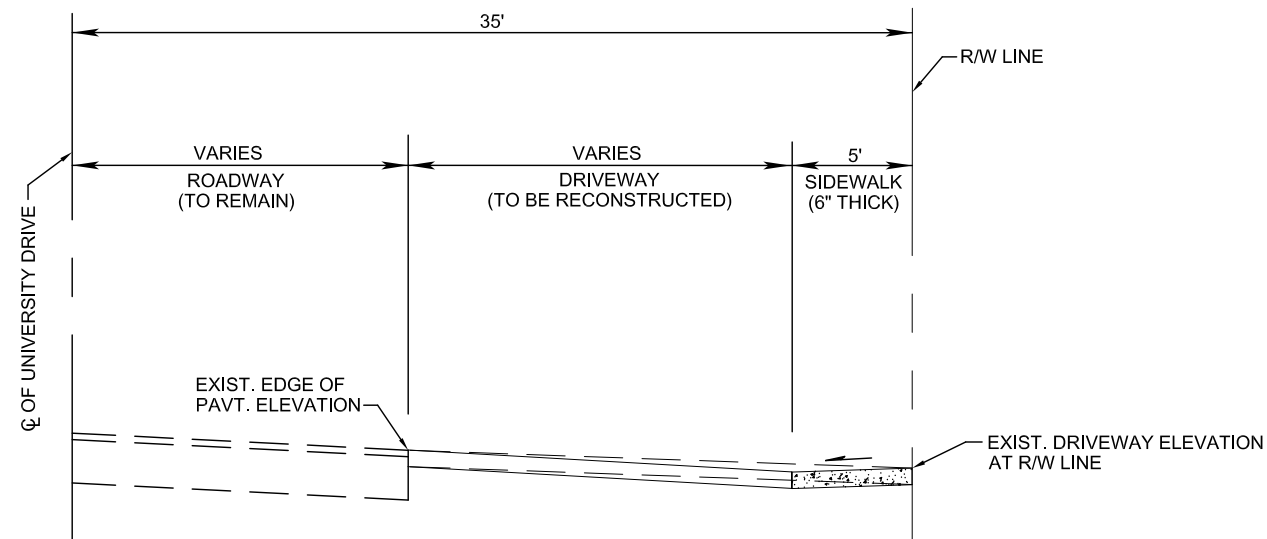
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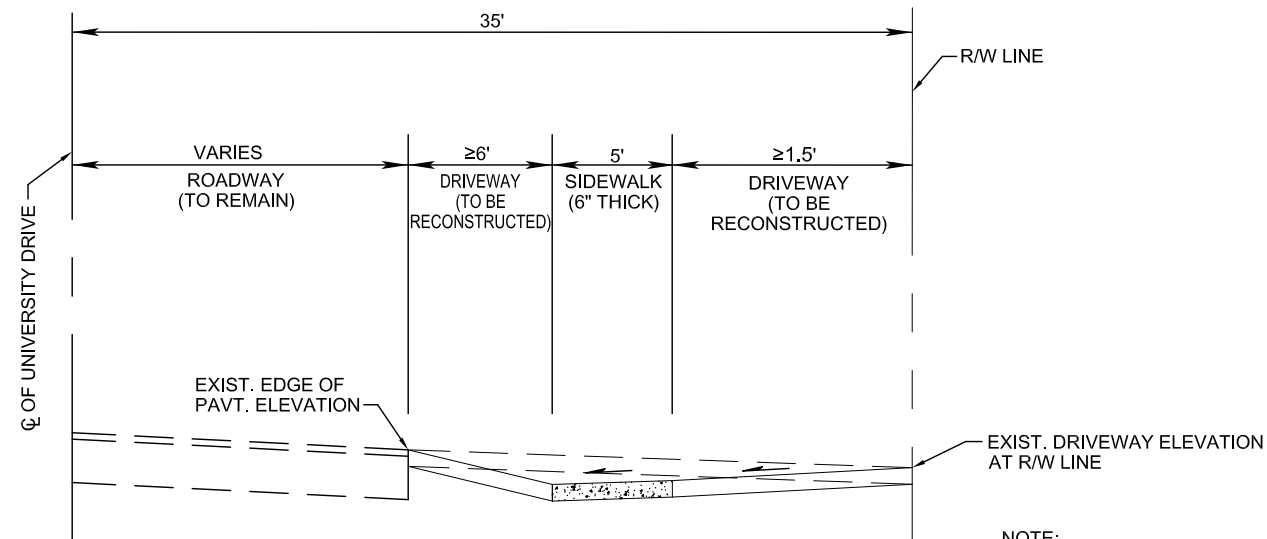
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CASE 7:
 PROPOSED SIDEWALK IS LOCATED AT RIGHT-OF-WAY LINE,
 AND EXISTING DRIVEWAY SLOPES FROM EDGE OF ROADWAY
 TO RIGHT-OF-WAY LINE:
 1. CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS
 EDGE OF ROADWAY) AND RECONSTRUCT EXISTING DRIVEWAY
 BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF
 ROADWAY.



CASE 8:
 PROPOSED SIDEWALK IS LOCATED 6 FEET OR GREATER FROM
 EDGE OF ROADWAY, OR 2 FEET OR GREATER FROM
 RIGHT-OF-WAY LINE, AND EXISTING DRIVEWAY SLOPES FROM
 EDGE OF ROADWAY TO RIGHT-OF-WAY:
 1. CONSTRUCT SIDEWALK WITH 2.0% SLOPE (TOWARDS
 EDGE OF ROADWAY) AND RECONSTRUCT EXISTING DRIVEWAY
 BETWEEN FRONT OF SIDEWALK AND EXISTING EDGE OF
 ROADWAY, AND FROM EXIST. DRIVEWAY AT RIGHT-OF-WAY
 LINE TO BACK OF SIDEWALK.

NOTE:
 PROPOSED BACK OF SIDEWALK ELEVATION SHOULD BE LOWER
 THAN EXIST. DRIVEWAY ELEVATION AT THE R/W LINE. SEE PLANS
 FOR PROPOSED ELEVATIONS.

ISSUING DATE : 11-09-2022



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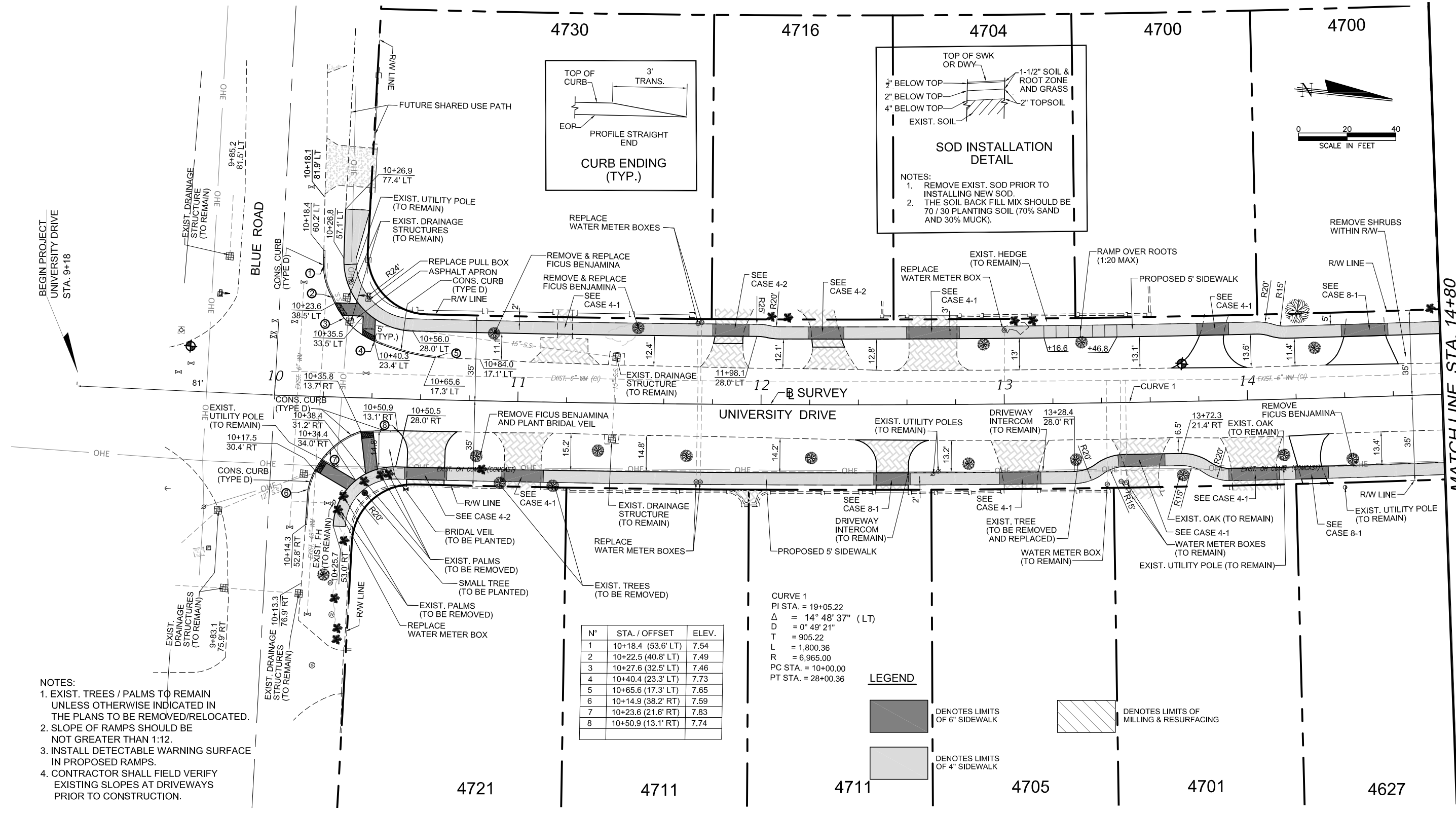
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PROJECT:
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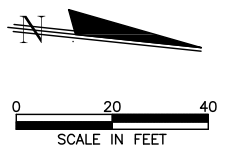
- NOTES:**
- EXIST. TREES / PALMS TO REMAIN UNLESS OTHERWISE INDICATED IN THE PLANS TO BE REMOVED/RELOCATED.
 - SLOPE OF RAMPS SHOULD BE NOT GREATER THAN 1:12.
 - INSTALL DETECTABLE WARNING SURFACE IN PROPOSED RAMPS.
 - CONTRACTOR SHALL FIELD VERIFY EXISTING SLOPES AT DRIVEWAYS PRIOR TO CONSTRUCTION.

N°	STA. / OFFSET	ELEV.
1	10+18.4 (53.6' LT)	7.54
2	10+22.5 (40.8' LT)	7.49
3	10+27.6 (32.5' LT)	7.46
4	10+40.4 (23.3' LT)	7.73
5	10+65.6 (17.3' LT)	7.65
6	10+14.9 (38.2' RT)	7.59
7	10+23.6 (21.6' RT)	7.83
8	10+50.9 (13.1' RT)	7.74

CURVE 1
 PI STA. = 19+05.22
 $\Delta = 14^\circ 48' 37''$ (LT)
 $D = 0^\circ 49' 21''$
 $T = 905.22$
 $L = 1,800.36$
 $R = 6,965.00$
 PC STA. = 10+00.00
 PT STA. = 28+00.36

LEGEND

- DENOTES LIMITS OF 6" SIDEWALK
- DENOTES LIMITS OF MILLING & RESURFACING
- DENOTES LIMITS OF 4" SIDEWALK



ISSUING DATE : 11-09-2022

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 CORAL GABLES FORT MYERS
 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900
 CERTIFICATE OF AUTHORIZATION EB 2690

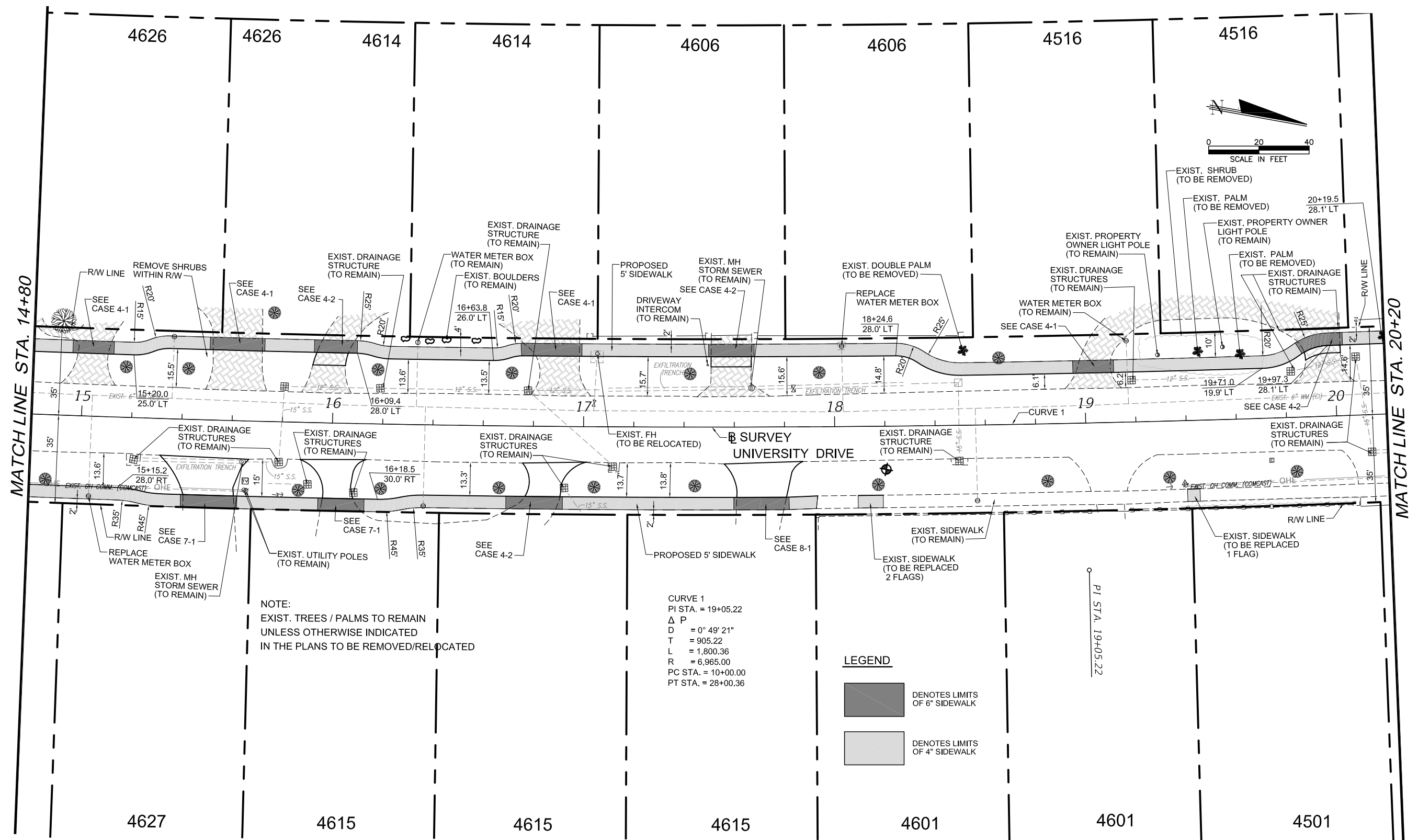
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
 UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD

TITLE:
 ROADWAY PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	8
APPROVED	



ISSUING DATE : 11-09-2022

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REVISIONS:

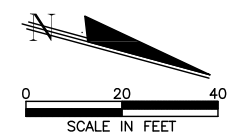
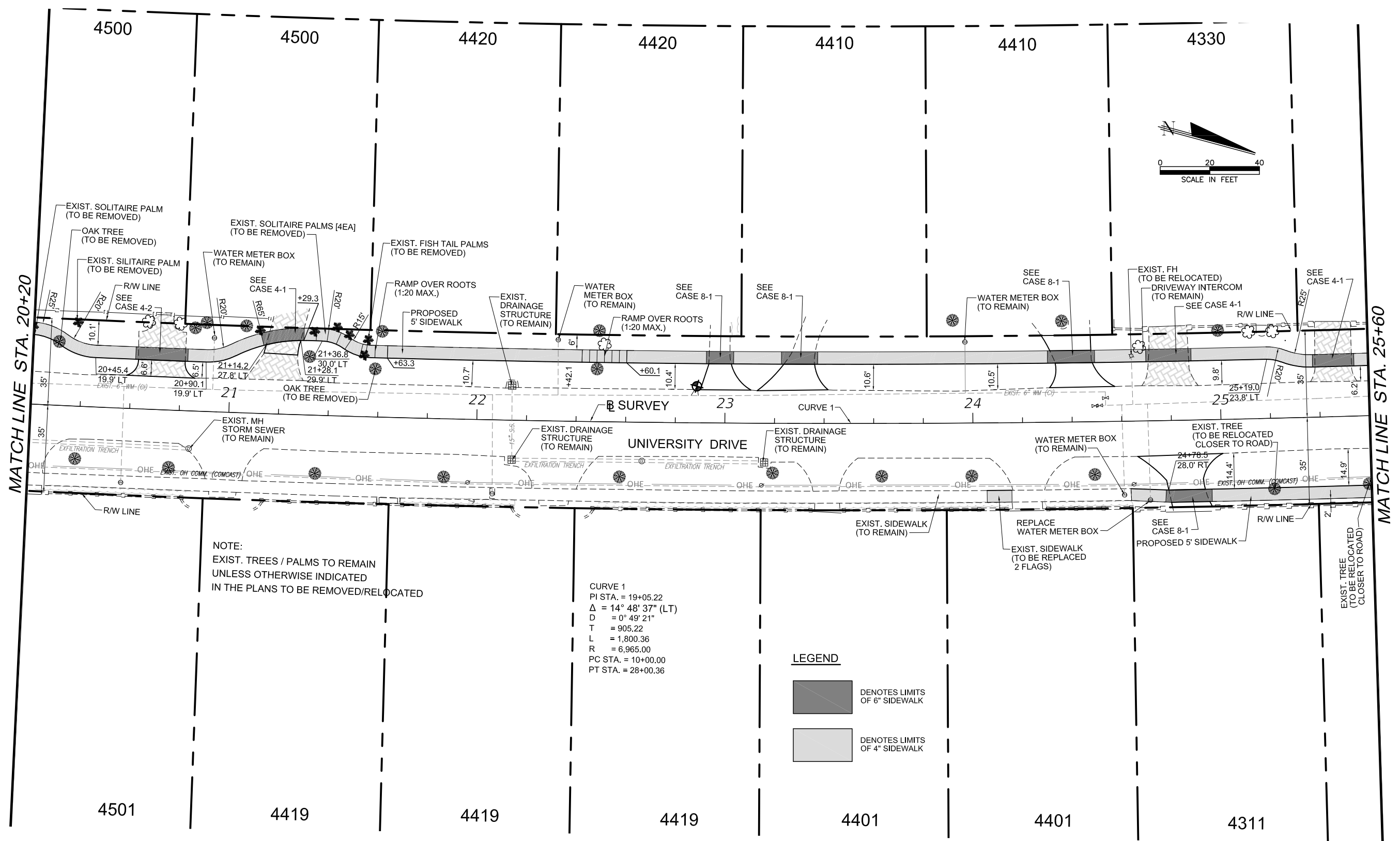
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **ROADWAY PLAN**

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	9
APPROVED	


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NOTE:
EXIST. TREES / PALMS TO REMAIN
UNLESS OTHERWISE INDICATED
IN THE PLANS TO BE REMOVED/RELOCATED

CURVE 1
PI STA. = 19+05.22
 $\Delta = 14^\circ 48' 37''$ (LT)
D = 0' 49' 21"
T = 905.22
L = 1,800.36
R = 6,965.00
PC STA. = 10+00.00
PT STA. = 28+00.36

LEGEND

 DENOTES LIMITS OF 6" SIDEWALK

 DENOTES LIMITS OF 4" SIDEWALK

ISSUING DATE : 11-09-2022



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CERTIFICATE OF AUTHORIZATION EB 2690

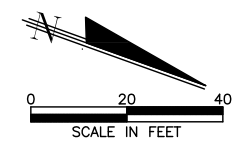
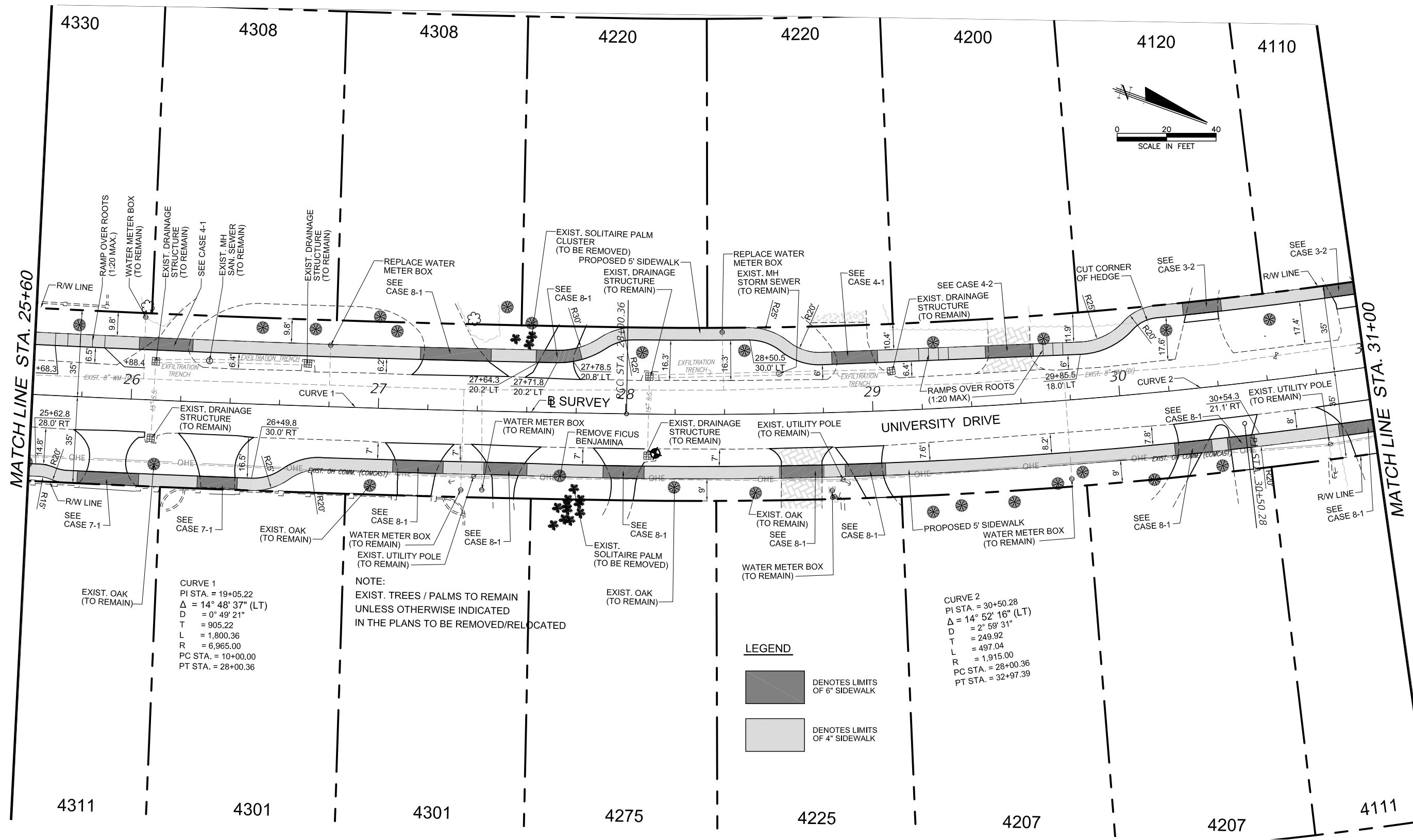
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
FROM BLUE ROAD TO BIRD ROAD**

TITLE:
ROADWAY PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	10
APPROVED	



ISSUING DATE : 11-09-2022

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CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

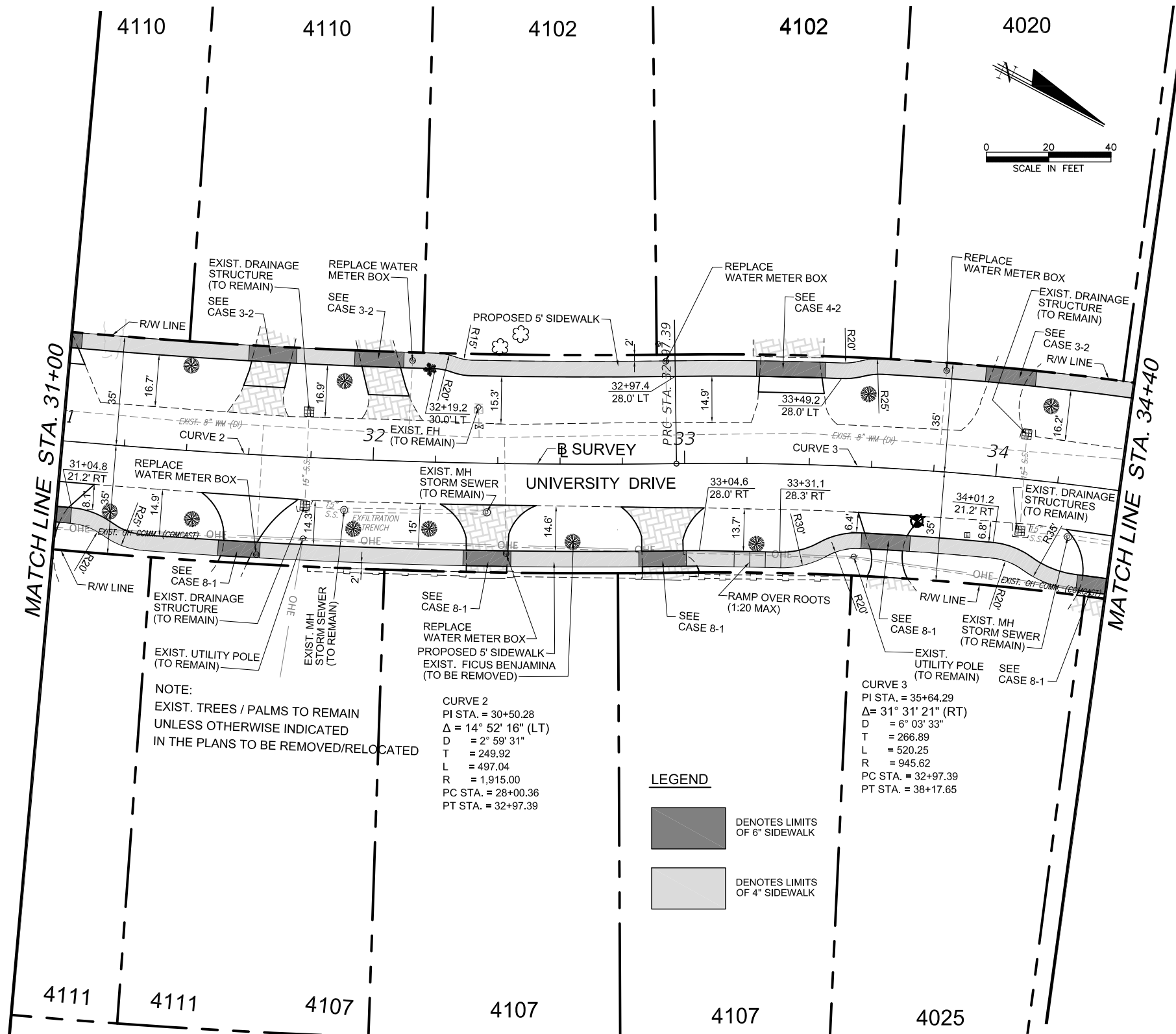
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **ROADWAY PLAN**

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
	11
CHECKED	
APPROVED	

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ISSUING DATE : 11-09-2022



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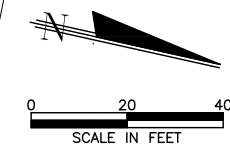
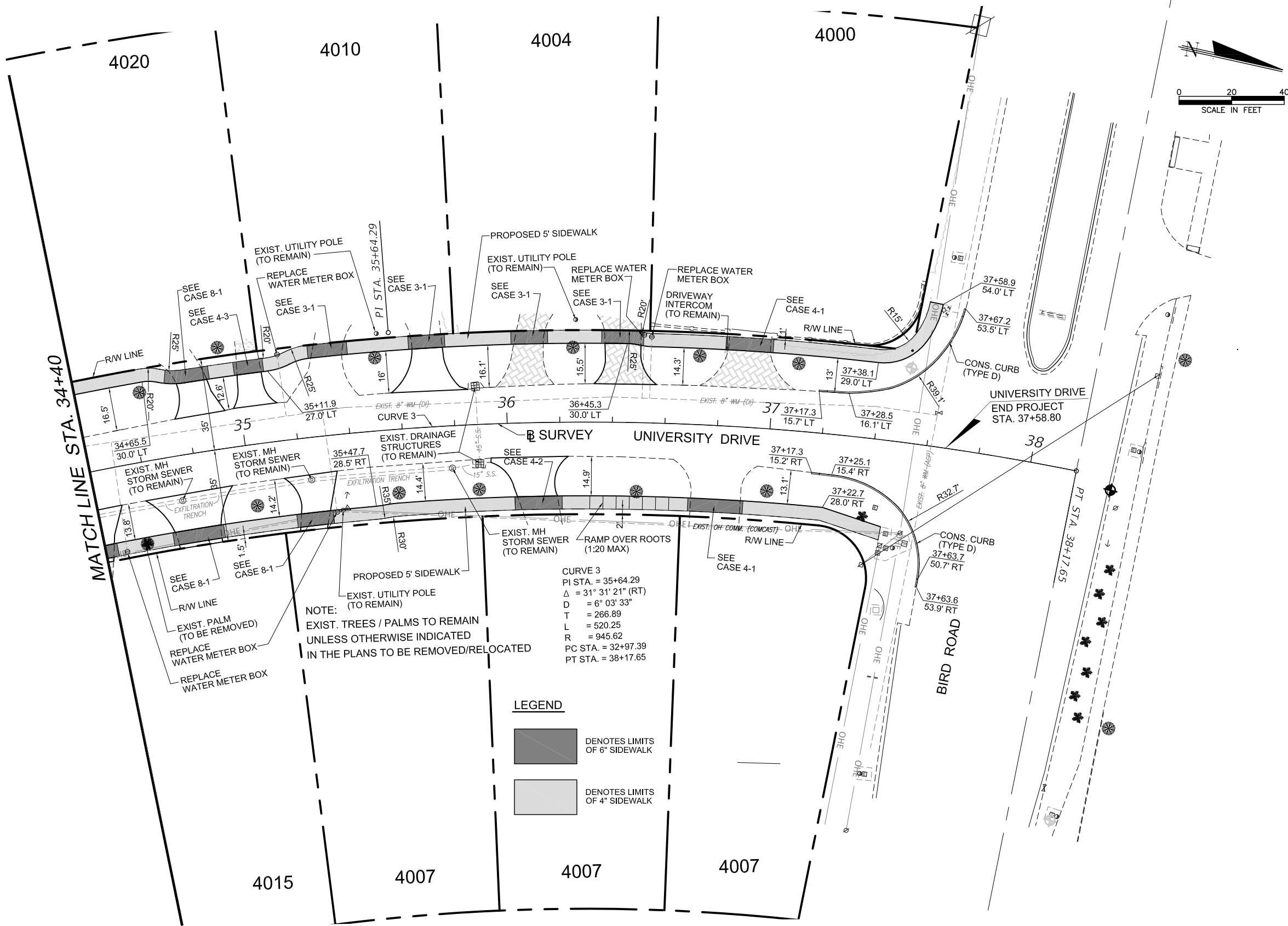
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **ROADWAY PLAN**

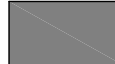
DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	12
APPROVED	




NOTE:
EXIST. TREES / PALMS TO REMAIN
UNLESS OTHERWISE INDICATED
IN THE PLANS TO BE REMOVED/RELOCATED

CURVE 3
PI STA. = 35+64.29
 $\Delta = 31^\circ 31' 21''$ (RT)
D = 6° 03' 33"
T = 266.89
L = 520.25
R = 945.62
PC STA. = 32+97.39
PT STA. = 38+17.65

LEGEND

 DENOTES LIMITS OF 6" SIDEWALK

 DENOTES LIMITS OF 4" SIDEWALK

ISSUING DATE : 11-09-2022

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1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900
CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **ROADWAY PLAN**

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	13
APPROVED	

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CATCH BASIN (CB-01)
RIM EL. = 7.31'
INV. EL. = 3.81' (W) (15% HDPE)
BOTTOM EL. = 1.71'

CATCH BASIN (CB-02)
RIM EL. = 7.49'
INV. EL. = 4.03' (E) (15% HDPE)
BOTTOM EL. = 2.29'

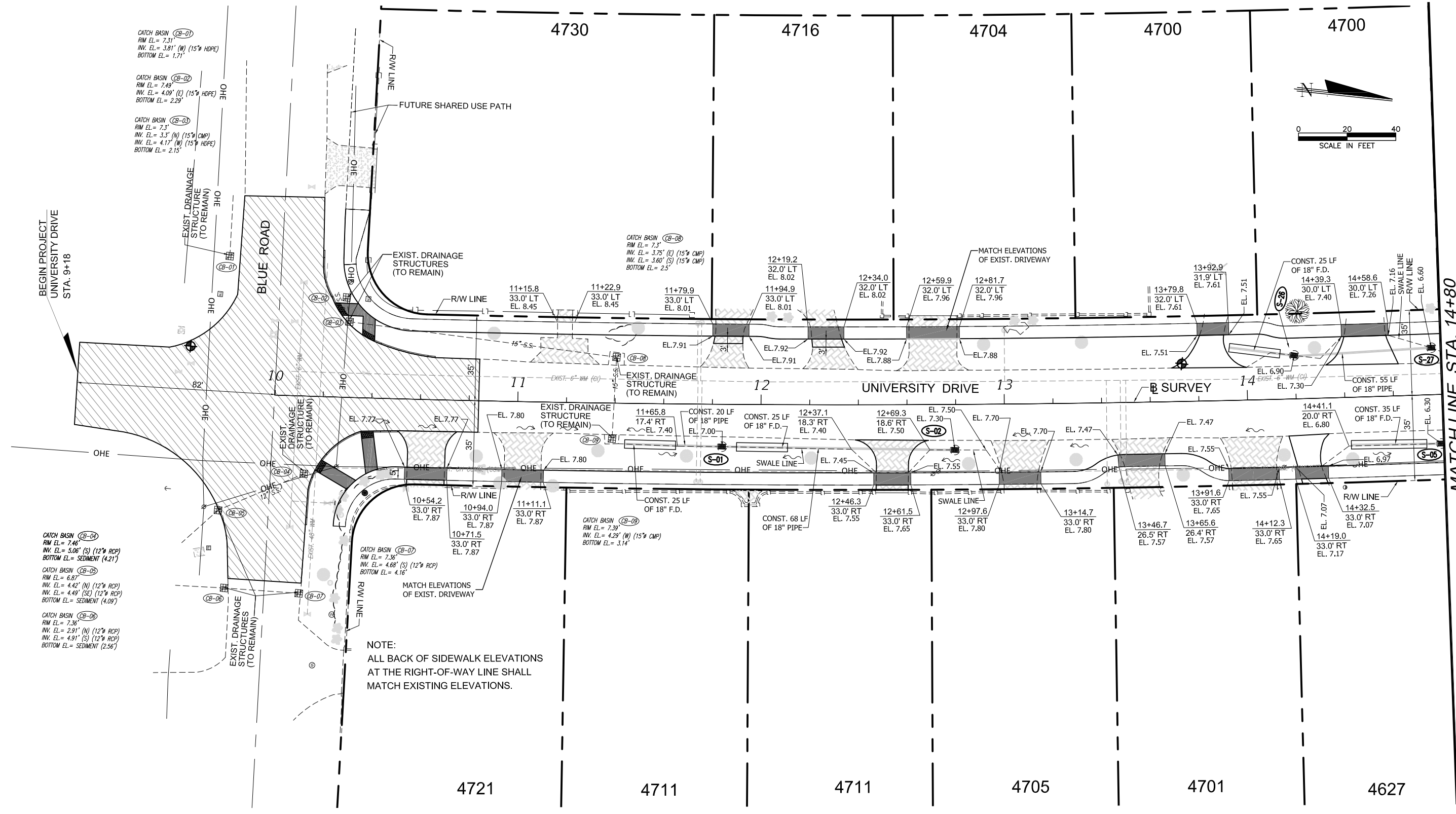
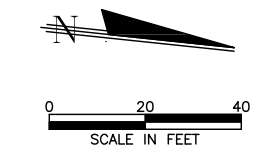
CATCH BASIN (CB-03)
RIM EL. = 7.3'
INV. EL. = 3.3' (N) (15% CMP)
INV. EL. = 4.17' (W) (15% HDPE)
BOTTOM EL. = 2.15'

CATCH BASIN (CB-04)
RIM EL. = 7.46'
INV. EL. = 5.06' (S) (12" RCP)
BOTTOM EL. = SEDIMENT (4.21)'

CATCH BASIN (CB-05)
RIM EL. = 6.87'
INV. EL. = 4.42' (N) (12" RCP)
INV. EL. = 4.49' (SE) (12" RCP)
BOTTOM EL. = SEDIMENT (4.09)'

CATCH BASIN (CB-06)
RIM EL. = 7.36'
INV. EL. = 2.91' (N) (12" RCP)
INV. EL. = 4.91' (S) (12" RCP)
BOTTOM EL. = SEDIMENT (2.56)'

NOTE:
ALL BACK OF SIDEWALK ELEVATIONS
AT THE RIGHT-OF-WAY LINE SHALL
MATCH EXISTING ELEVATIONS.



ISSUING DATE : 11-09-2022



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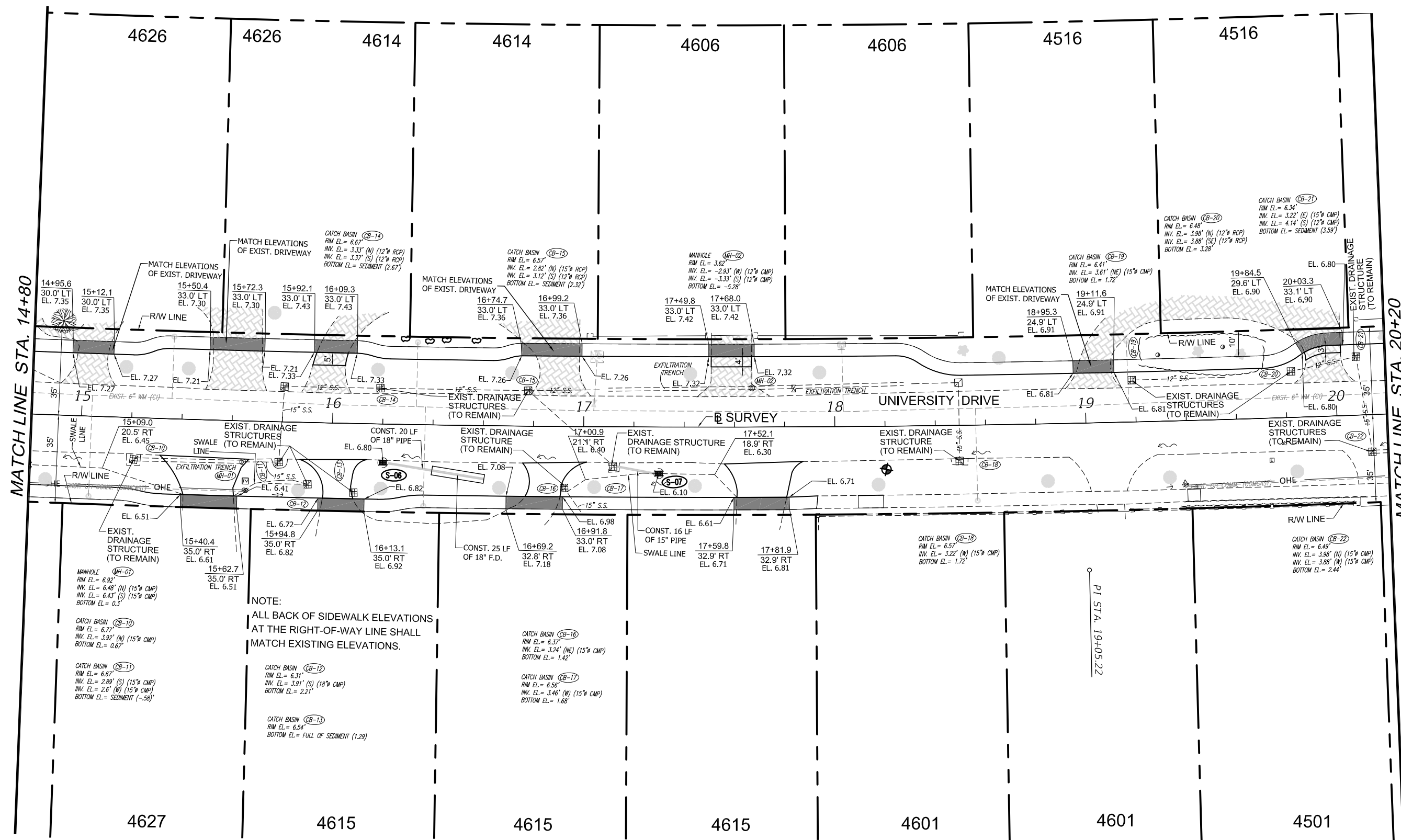
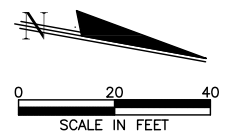
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
FROM BLUE ROAD TO BIRD ROAD**

TITLE:
DRAINAGE AND GRADING PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	14
APPROVED	

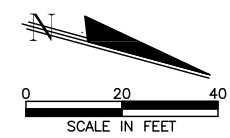
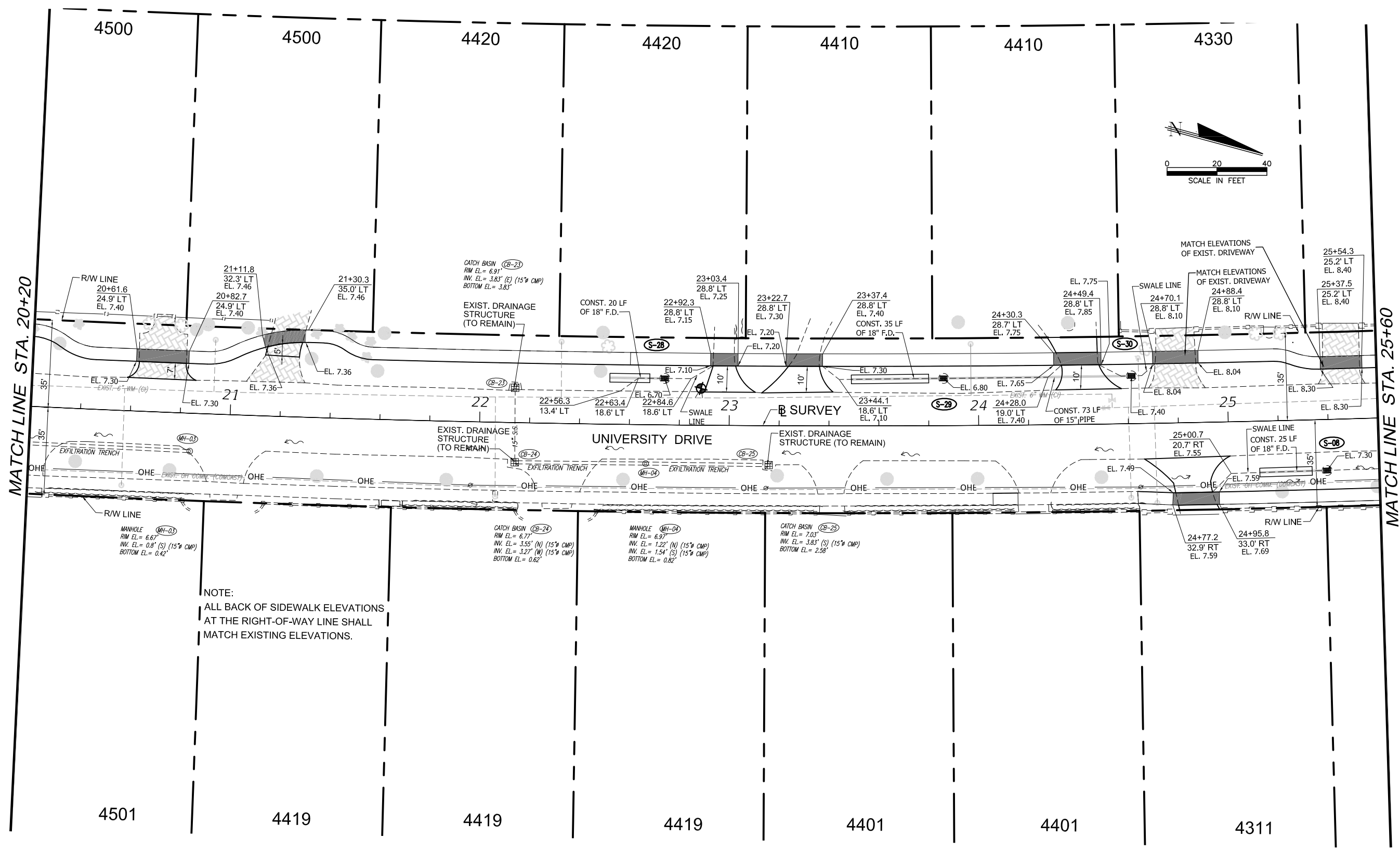


NOTE:
ALL BACK OF SIDEWALK ELEVATIONS
AT THE RIGHT-OF-WAY LINE SHALL
MATCH EXISTING ELEVATIONS.

ISSUING DATE : 11-09-2022

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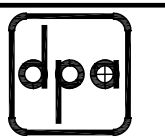
	DAVID PLUMMER & ASSOCIATES, INC. TRAFFIC ENGINEERING • CIVIL ENGINEERING • TRANSPORTATION PLANNING CORAL GABLES FORT MYERS 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900 CERTIFICATE OF AUTHORIZATION EB 2690	REVISIONS: <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>					PROJECT: UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD	TITLE: DRAINAGE AND GRADING PLAN	DATE 06/06/19	PROJECT NO. 18213
DRAWN CHECKED APPROVED	SHEET NO. 15									



NOTE:
 ALL BACK OF SIDEWALK ELEVATIONS
 AT THE RIGHT-OF-WAY LINE SHALL
 MATCH EXISTING ELEVATIONS.

ISSUING DATE : 11-09-2022

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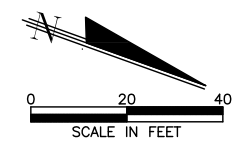
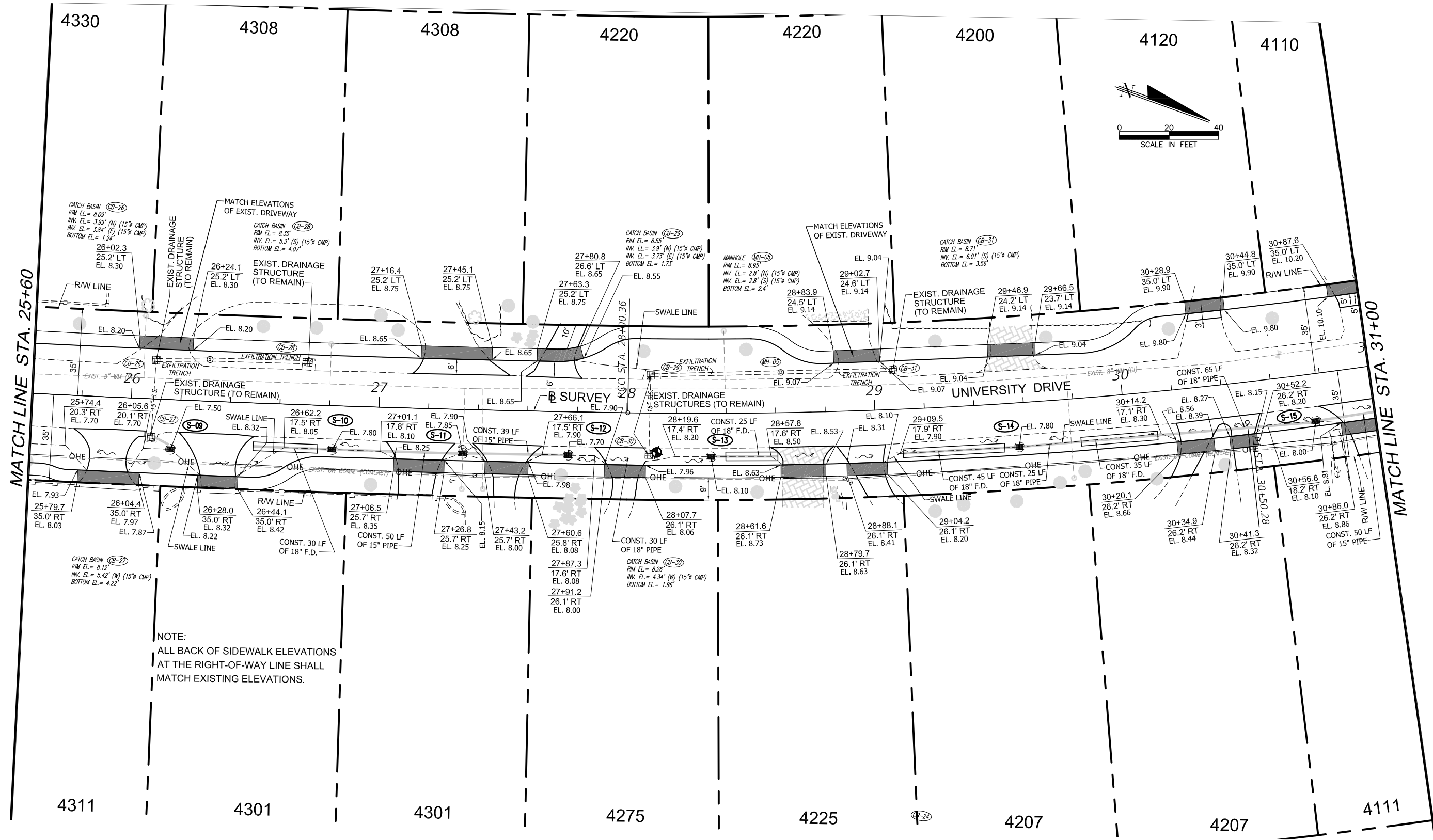
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
 FROM BLUE ROAD TO BIRD ROAD**

TITLE:
DRAINAGE AND GRADING PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	16
APPROVED	



NOTE:
ALL BACK OF SIDEWALK ELEVATIONS
AT THE RIGHT-OF-WAY LINE SHALL
MATCH EXISTING ELEVATIONS.

ISSUING DATE : 11-09-2022

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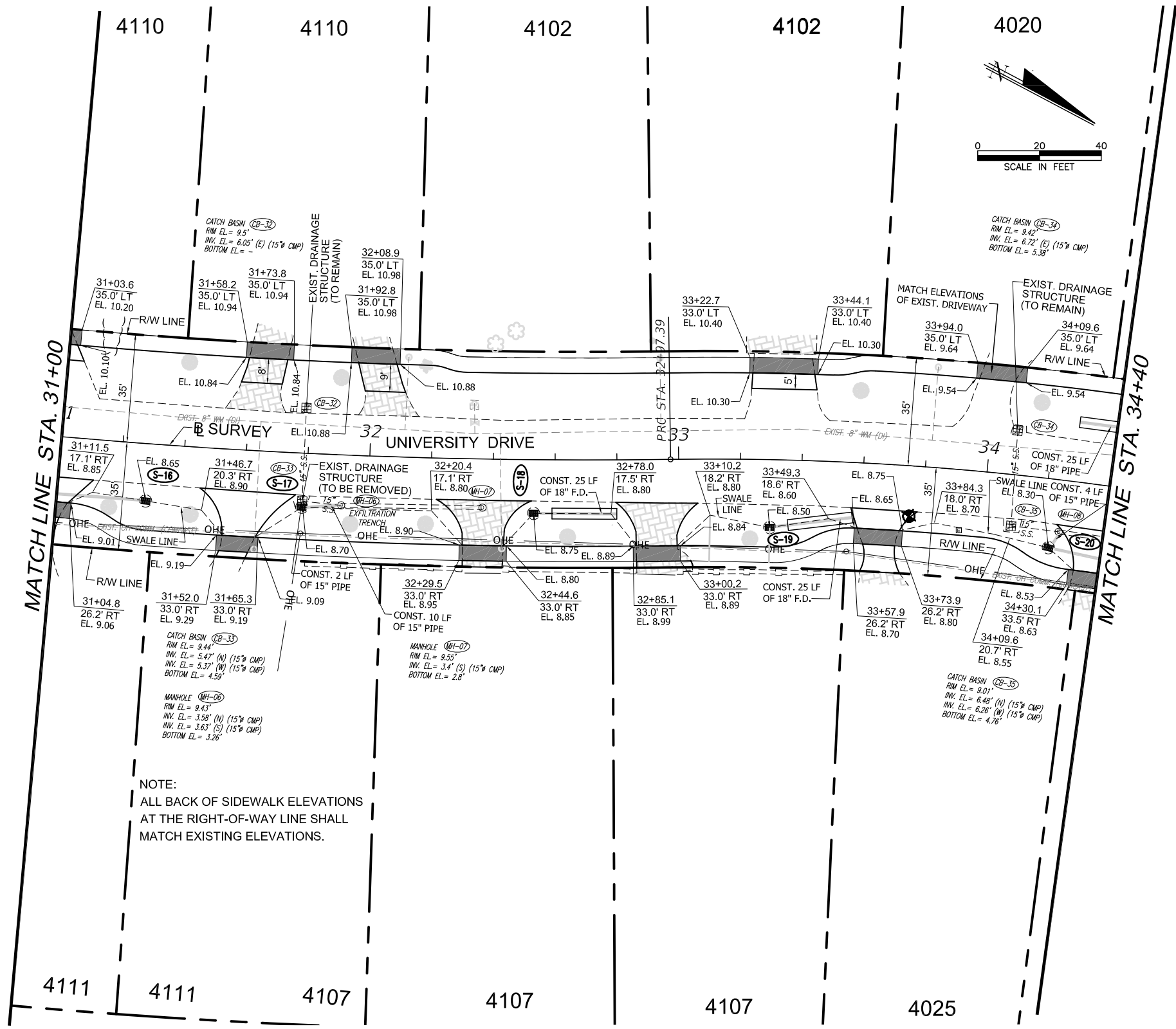
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **DRAINAGE AND GRADING PLAN**

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	17
APPROVED	



NOTE:
 ALL BACK OF SIDEWALK ELEVATIONS
 AT THE RIGHT-OF-WAY LINE SHALL
 MATCH EXISTING ELEVATIONS.

ISSUING DATE : 11-09-2022

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 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900
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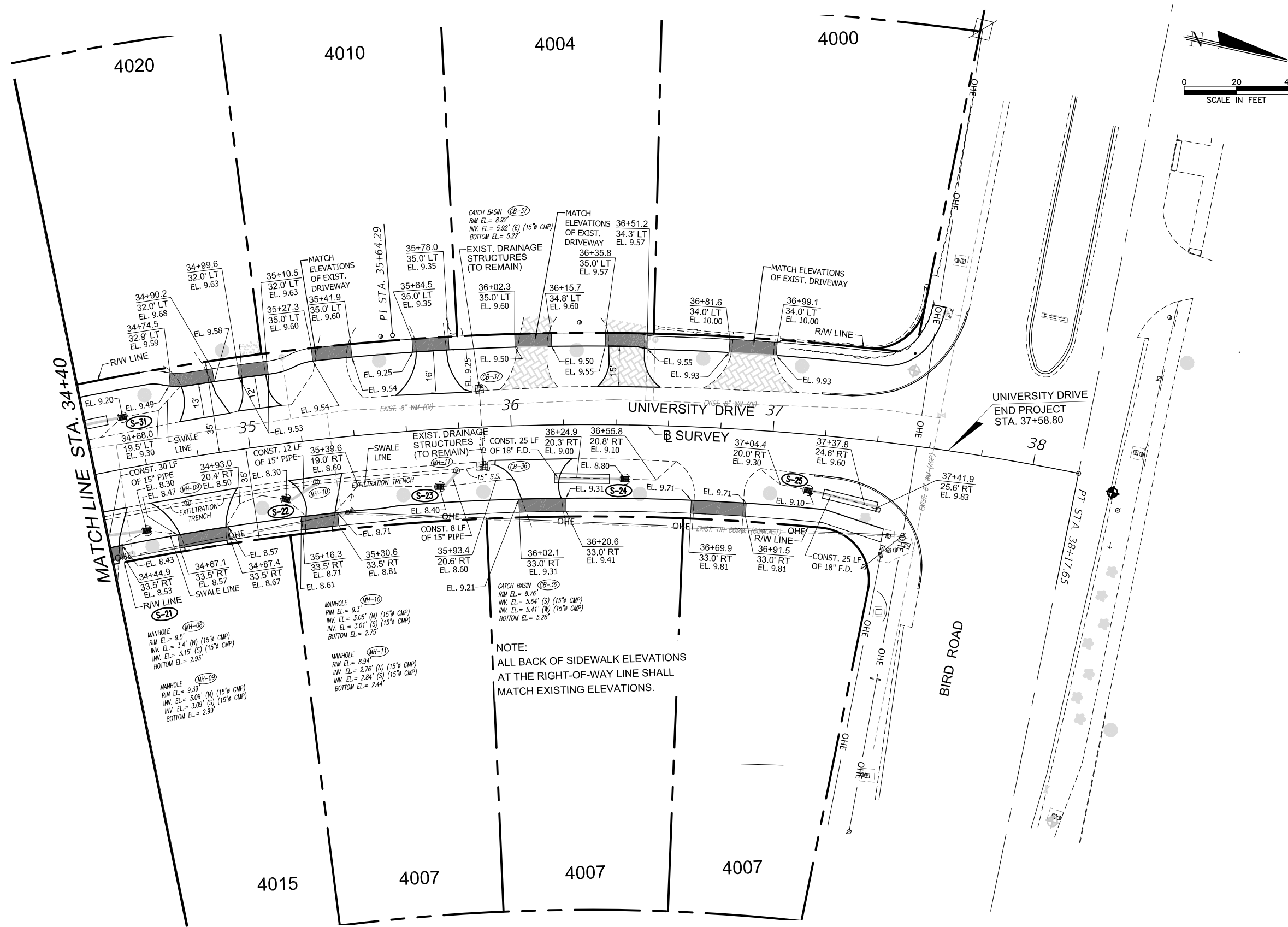
REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
 FROM BLUE ROAD TO BIRD ROAD**

TITLE:
DRAINAGE AND GRADING PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	18
APPROVED	



NOTE:
ALL BACK OF SIDEWALK ELEVATIONS
AT THE RIGHT-OF-WAY LINE SHALL
MATCH EXISTING ELEVATIONS.

ISSUING DATE : 11-09-2022

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CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
FROM BLUE ROAD TO BIRD ROAD**

TITLE:
DRAINAGE AND GRADING PLAN

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	19
APPROVED	

S-21

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 34+55.5, 24.8' RT
GRATE EL. = 8.30
INV. EL. = 4.30 (S)
BOTTOM = 2.30

S-26

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 14+19.6, 17.9' LT
GRATE EL. = 6.90
INV. EL. = 2.90 (S)
INV. EL. = 2.50 (N)
BOTTOM = (-)1.00
BAFFLE (S)

S-31

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 34+54.4, 19.4' LT
GRATE EL. = 9.20
INV. EL. = 5.20 (S)
BOTTOM = 1.70
BAFFLE (S)

S-22

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 35+11.2, 21.2' RT
GRATE EL. = 8.30
INV. EL. = 4.30 (N)
BOTTOM = 0.80
BAFFLE (N)

S-27

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 14+76.2, 19.3' LT
GRATE EL. = 6.60
INV. EL. = 2.60 (S)
BOTTOM = 0.60

S-23

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 35+71.4, 22.0' RT
GRATE EL. = 8.40
INV. EL. = 4.40 (N)
BOTTOM = 0.90
BAFFLE (N)

S-28

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 22+74.0, 18.6' LT
GRATE EL. = 6.70
INV. EL. = 2.70 (S)
BOTTOM = (-)0.80
BAFFLE (S)

S-24

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 36+43.8, 20.7' RT
GRATE EL. = 8.80
INV. EL. = 4.80 (S)
BOTTOM = 1.30
BAFFLE (S)

S-29

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 23+86.0, 18.9' LT
GRATE EL. = 6.80
INV. EL. = 2.80 (S)
INV. EL. = 2.80 (N)
BOTTOM = (-)0.70
BAFFLE (S)

S-25

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 37+15.3, 21.4' RT
GRATE EL. = 9.10
INV. EL. = 5.10 (N)
BOTTOM = 1.60
BAFFLE (N)

S-30

CONST. CATCH BASIN (4' DIA.) (D-4)
STA. 24+61.5, 19.1' LT
GRATE EL. = 7.40
INV. EL. = 2.90 (S)
BOTTOM = 0.90

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL FIELD VERIFY INVERT AND DIAMETER OF EXISTING DRAINAGE PIPES PRIOR TO CONSTRUCTION.
3. PROPOSED DRAINAGE PIPES SHALL BE 18" HDPE PIPE OR APPROVED EQUAL.
4. CONTRACTOR SHALL CORE DRILL EXIST. DRAINAGE STRUCTURE WHEN CONNECTING NEW DRAINAGE PIPE.

ISSUING DATE : 11-09-2022

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 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0000
 CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:	

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
 FROM BLUE ROAD TO BIRD ROAD**

TITLE:
DRAINAGE DETAILS

DATE 06/06/19	PROJECT NO. 18213
DRAWN	SHEET NO.
CHECKED	21
APPROVED	

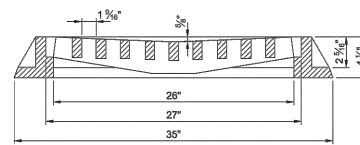
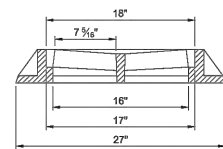
INLET AND MANHOLE NOTES:

- CONCRETE SHALL BE f_c 4000 PSI AT 28 DAYS. TYPE II CEMENT
- WALLS TO BE CONSTRUCTED OF REINFORCED CONCRETE. CONCRETE MAY BE EITHER CAST-IN-PLACE OR PRECAST.
- ALL REINFORCING STEEL SHALL BE NEW BARS IN ACCORDANCE WITH ASTM A-615 GRADE 60.
- MANHOLE TOP SHALL BE SECURED TO STRUCTURE WITH A MINIMUM OF 6 NO. 4 BARS 12" LONG OR AS SHOWN IN THE FDOT SUPPLEMENTARY DETAILS FOR MANHOLES & INLETS.
- ALL STEEL BARS HAVE 3" MINIMUM COVER UNLESS OTHERWISE SHOWN AND SHALL BE HOOKED WHERE INDICATED. HORIZONTAL STEEL SHALL BE LAPPED A MINIMUM OF 24 BAR DIAMETERS AT CORNERS. FLOOR SLABS MAY BE SECURED TO STRUCTURE WALLS BY NO. 4 DOWEL BARS (A MINIMUM OF 6 DOWELS) PUSHED INTO THE WET CONCRETE AFTER THE FLOOR SLAB IS PLACED.
- MANHOLE TOP OR TRENCH SLABS MAY BE CAST-IN-PLACE OR PRECAST CONSTRUCTION.
- FOR SUPPLEMENTARY DETAILS, SEE MANHOLES & INLETS DETAIL. FDOT INDEX 200, 201 & 214.
- INLETS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 42" WITH 6" THICK WALLS, NEOPRENE GASKET TO BE PLACED BETWEEN BAFFLE AND CATCH BASIN WALL, BOTTOM OF BAFFLE TO BE MOUNTED 2'-0" ABOVE BOTTOM SLAB.
- ALL EXISTING AND NEW INLETS AND MANHOLES SHALL BE CLEANED AND FREE OF ALL SAND, SILT AND CONSTRUCTION DEBRIS PRIOR TO PROJECT COMPLETION.



CONCAVE GRATE
USF 4105-8224 SHOWN

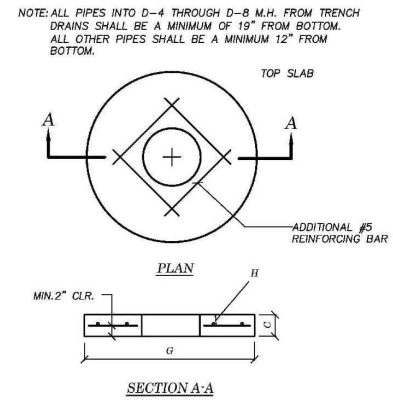
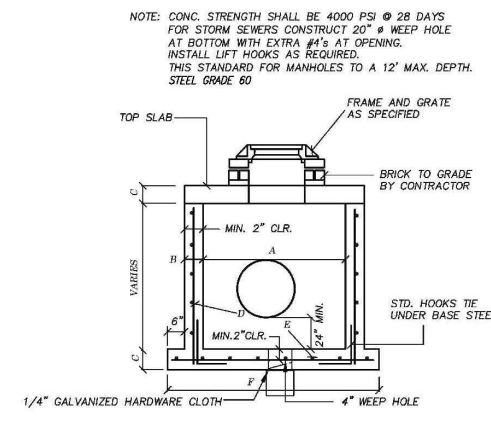
GRATE NUMBER	LOAD RATING	FLOW AREA	GRATE WEIGHT	TOTAL WEIGHT
6220	HEAVY DUTY	210	155	365
6224	HEAVY DUTY	225	160	385
6225	HEAVY DUTY	185	155	340



U.S. FOUNDRY & MFG. CORP. DRAWING NO. 4105-8224 OR APPROVED EQUAL

APPROVED:	 DEPT. OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS	TYPE "D" FRAME & GRATE	1-9
REVISED: 04-2020			
SCALE: N.T.S.			

Page: 09



	A	B	C	D	E	F	G	H
D-3	3'-0"	6"	6"	#4 AT 12" CCEW (0.31)	#5 AT 9" CCEW	4'-0"	4'-0"	#5 AT 6" CCEW (0.61)
D-42	3'-6"	8"	8"	#4 AT 12" CCEW (0.20)	#4 AT 12" CCEW (0.20)	5'-10"	4'-10"	#4 AT 6" CCEW (0.39)
D-4	4'-0"	8"	8"	#4 AT 12" CCEW (0.20)	#4 AT 12" CCEW (0.20)	6'-4"	5'-4"	#4 AT 6" CCEW (0.39)
D-5	5'-0"	8"	8"	#5 AT 12" CCEW (0.31)	#5 AT 12" CCEW (0.31)	7'-4"	6'-4"	#5 AT 6" CCEW (0.46)
D-6	6'-0"	8"	10"	#5 AT 12" CCEW (0.31)	#5 AT 6" CCEW (0.61)	8'-4"	7'-4"	#5 AT 6" CCEW (0.61)
D-7	7'-0"	8"	10"	#5 AT 12" CCEW (0.31)	#5 AT 6" CCEW (0.61)	9'-4"	8'-4"	#5 AT 6" CCEW (0.61)
D-8	8'-0"	10"	10"	4x4-W4xW4(2 LAYERS) AND #4@12 CCEW (0.42)	#5 AT 6" CCEW (0.61)	10'-8"	9'-8"	#5 AT 6" CCEW (0.61)

APPROVED:	 DEPT. OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS	D-3 THRU D-8 MANHOLE (FOR STORM WATER DRAINAGE SYSTEMS)	1-22
REVISED: 04-2020			
SCALE: AS SHOWN			

Page: 22

NOTES:

- THE CLEANOUT PORT FOR THE TYPE II SKIMMER SHALL BE GASKETED, WITH EITHER A THREADED SCREW-IN LID OR A LID SECURED BY FOUR STAINLESS STEEL QUICK-RELEASE LATCHES.
- THE BACKS OF SKIMMERS MUST CONFORM TO THE SHAPE OF THE BASIN WALLS ON WHICH THEY ARE MOUNTED.
- SHOW, IN THE PLANS, THE RADI REQUIRED FOR CURVED-BACK SKIMMERS.

APPROVED: 01-2020	 DEPT. OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS	TYPE II SKIMMER FOR FRENCH-RAIN OUTLETS	1-24
REVISED: 04-2020			
SCALE: N.T.S.			

Page: 24

NOTE:
THE CONTRACTOR HAS THE OPTION OF INSTALLING THE FOLLOWING PERFORATED PIPE TYPES:

- REINFORCED CONCRETE PIPE, "O" - RING OR BELL & SPIGOT JOINTS
- CORRUGATED METAL-BITUMINOUS COATED STEEL PIPE, BOLTED METAL BAND JOINTS
- CORRUGATED METAL-ALUMINUM PIPE, SOLID METAL BAND JOINTS
- PIPE MUST BE SUBMITTED TO ENGINEER FOR APPROVAL.

APPROVED:	 DEPT. OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS	FRENCH DRAIN TYPICAL SECTION	1-2
REVISED: 04-2020			
SCALE: N.T.S.			

Page: 02

NOTES:

- NO SLOTS OR PERFORATION IN THIS LENGTH OF PIPE
- THE CONTRACTOR HAS THE OPTION OF INSTALLING THE FOLLOWING PIPE TYPES:
 - CORRUGATED PIPE - BITUMINOUS COATED BOTH SIDES (PERFORATED)
 - CORRUGATED HDPE PIPE (PERFORATED)
 - PERFORATIONS ACCORDING TO AASHTO SPECIFICATIONS M36.74 AND M 158.74
- INVERT ELEVATION TO BE AS SHOWN IN W.G. 2.2 (AVG. OCTOBER GROUND WATER LEVEL)

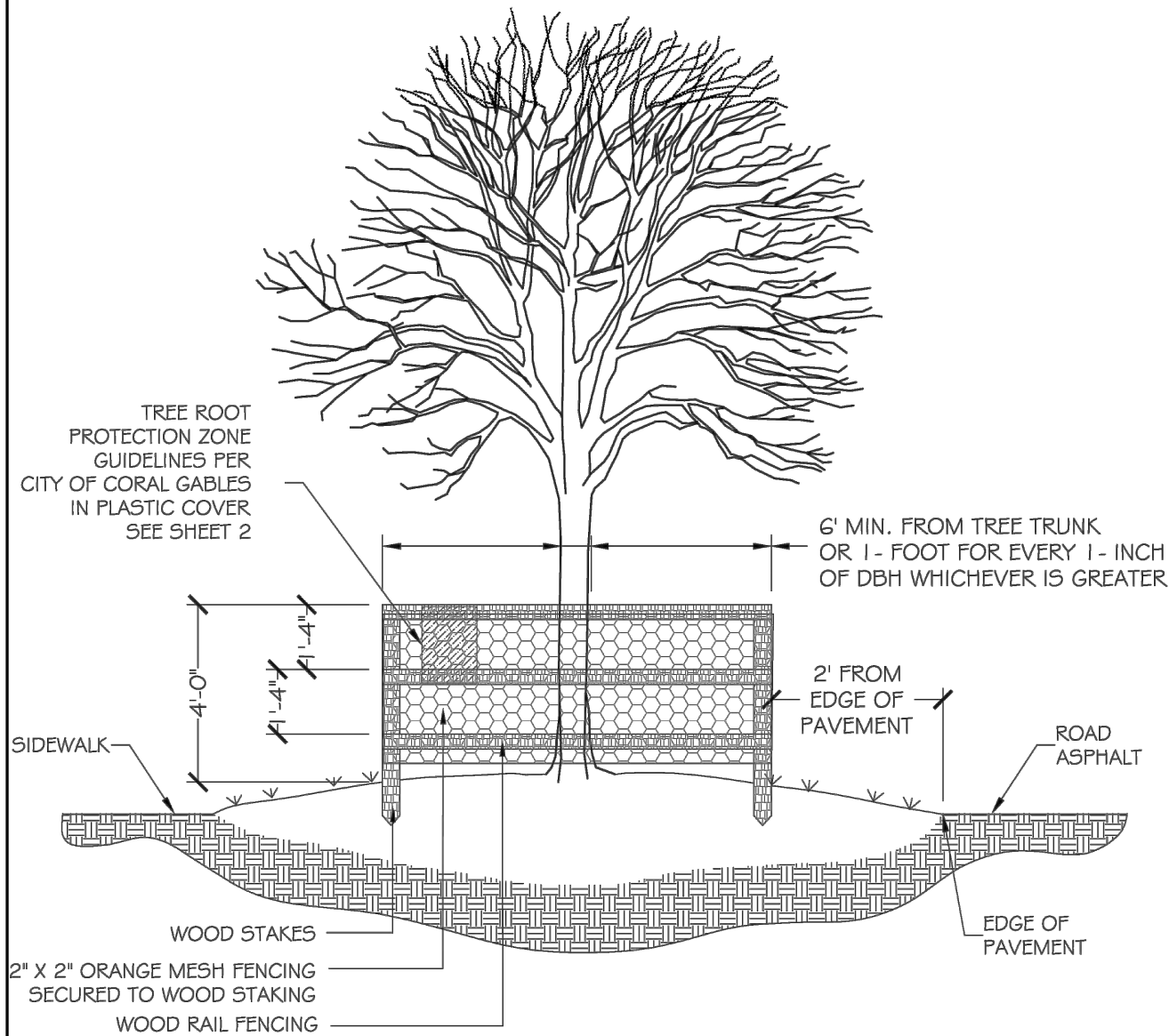
APPROVED:	 DEPT. OF PUBLIC WORKS ENGINEERING DIVISION STANDARD DETAILS	FRENCH DRAIN	1-3
REVISED: 04-2020			
SCALE: N.T.S.			

Page: 03

ISSUING DATE : 11-09-2022

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 DAVID PLUMMER & ASSOCIATES, INC. TRAFFIC ENGINEERING • CIVIL ENGINEERING • TRANSPORTATION PLANNING CORAL GABLES FORT MYERS 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900 CERTIFICATE OF AUTHORIZATION EB 2690	REVISIONS: <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>							PROJECT: UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD	TITLE: DRAINAGE DETAILS	DATE: 06/06/19	PROJECT NO. 18213
DRAWN: CHECKED: APPROVED:	SHEET NO. 22	DATE: 06/06/19	PROJECT NO. 18213	DATE: 06/06/19	PROJECT NO. 18213						
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.	PROJECT: UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD	TITLE: DRAINAGE DETAILS	DATE: 06/06/19	PROJECT NO. 18213	SHEET NO. 22						
CERTIFICATE OF AUTHORIZATION EB 2690	PROJECT: UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD	TITLE: DRAINAGE DETAILS	DATE: 06/06/19	PROJECT NO. 18213	SHEET NO. 22						



NOTES

- WOODEN STAKES (2"x4"x5' MIN.) ON 5' CENTERS - TO SUPPORT RAIL FENCING
- BARRIER TO FORM A CONTINUOUS BARRIER AROUND THE TREE OR GROUP OF TREES
- THREE ROWS OF RAIL FENCING (2"x4") SPACED EQUALLY TO BE PLACED AROUND ALL EXISTING TREES TO REMAIN
- CONTRACTOR TO INSTALL PROTECTIVE FENCE BARRIER AROUND ALL EXISTING TREES TO REMAIN - AT THE START OF THE PROJECT - FENCE TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT
- CONTRACTOR SHALL TAKE EXTRA CARE DURING EARTHWORK AND UTILITY OPERATIONS TO PROTECT ALL EXISTING TREES - AND SHALL BE RESPONSIBLE TO REPLACE ANY TREES DAMAGED DURING CONSTRUCTION.

APPROVED: 07-2016
 REVISED: 04-2020
 SCALE: N.T.S.

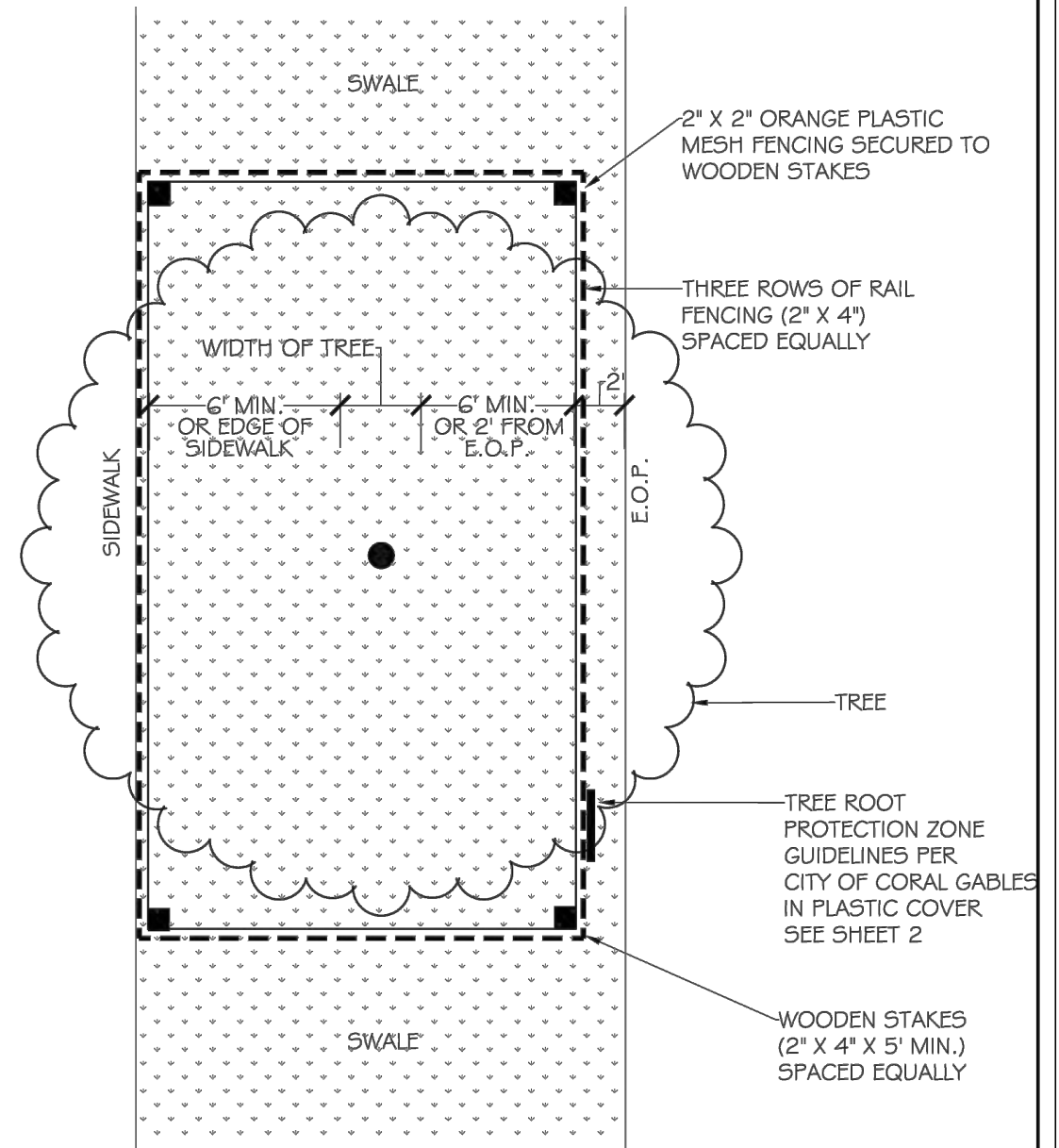


DEPT. OF PUBLIC WORKS
ENGINEERING DIVISION
 STANDARD DETAILS

TREE PROTECTION
ELEVATION

3-9

Page: 46



APPROVED: 07-2016
 REVISED: 04-2020
 SCALE: N.T.S.



DEPT. OF PUBLIC WORKS
ENGINEERING DIVISION
 STANDARD DETAILS

TREE PROTECTION
PLAN VIEW

3-10

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ISSUING DATE : 11-09-2022



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 CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

NO.	DATE	DESCRIPTION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:

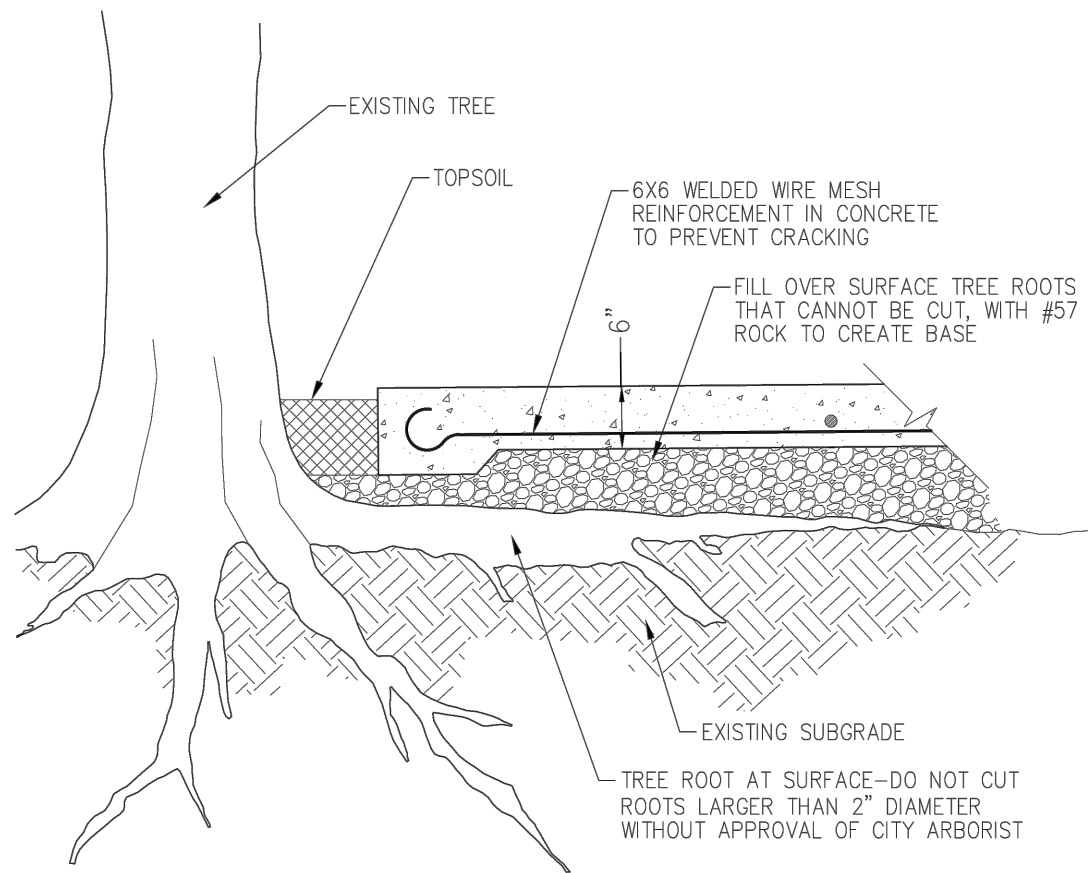
UNIVERSITY DRIVE SIDEWALKS
FROM BLUE ROAD TO BIRD ROAD

TITLE:

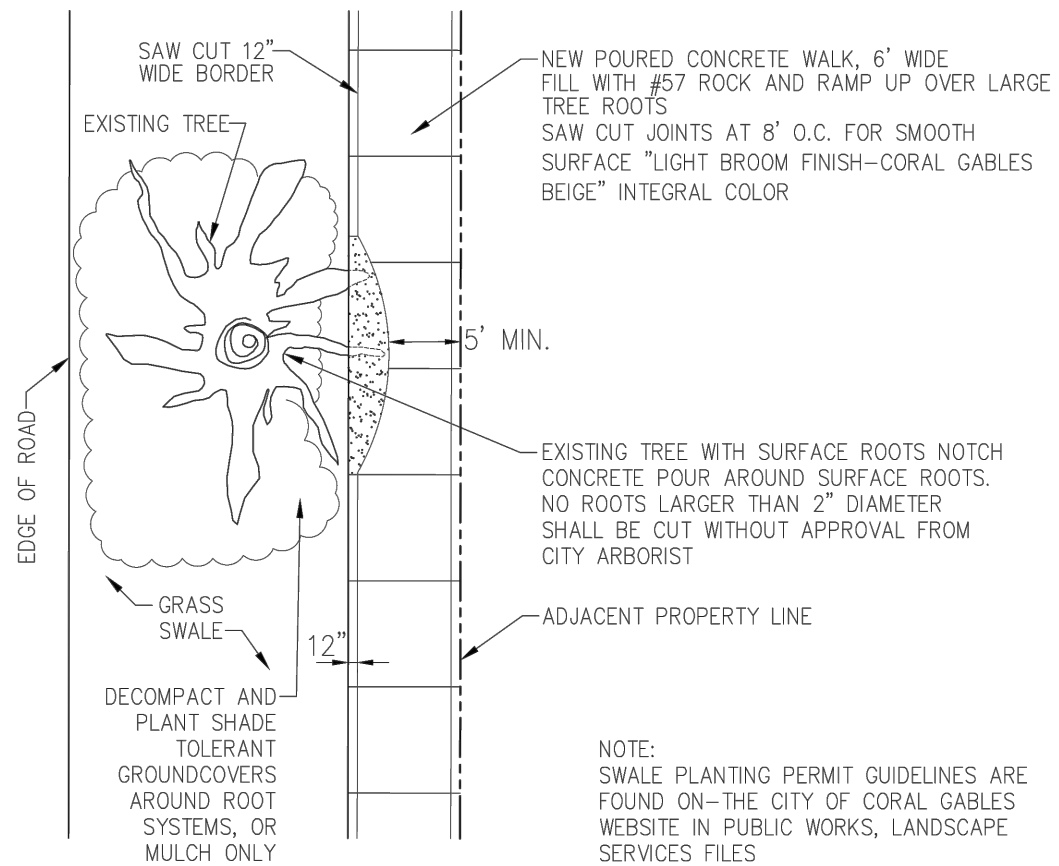
CONSTRUCTION STANDARD DETAILS

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
	23
CHECKED	
APPROVED	

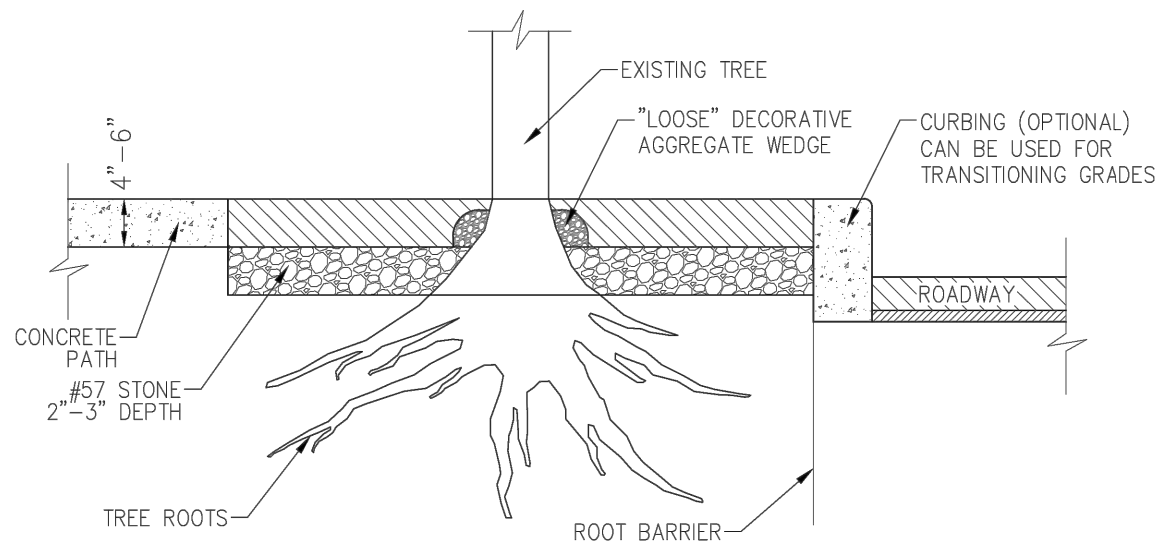
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CONCRETE PATH DETAIL
N.T.S.



CONCRETE/POROUS PAVEMENT DETAIL
N.T.S.



POROUS PAVEMENT DETAIL
N.T.S.

NOTES:

1. A 10 FEET LENGTH OF #4 REBAR SHOULD BE INCLUDED ON EACH SIDE OF THE SIDEWALK WHEN BRIDGING OVER EXISTING LARGE TREE ROOTS AND / OR VERY CLOSE TO TREES.
2. POROUS PAVEMENT SYSTEM TO BE AS DESCRIBED ON ADDAPAVE TP (OR APPROVED EQUAL) PRODUCT SPECIFICATIONS.
3. A MIXED COLOR AGGREGATE TO BE USED. COLOR SAMPLES AND SPECIFICATIONS OF THE AGGREGATES SHALL BE SUBMITTED TO THE CITY OF CORAL GABLES FOR APPROVAL PRIOR TO INSTALLATION.
4. COLOR AND QUALITY OF MULCH TO BE AS DESCRIBED ON GOLD MULCH (OR APPROVED EQUAL) PRODUCT SPECIFICATIONS.

APPROVED: 11-2019
REVISED: 04-2020
SCALE: AS SHOWN

DEPT. OF PUBLIC WORKS
ENGINEERING DIVISION
STANDARD DETAILS

CONCRETE PATH
OVER SURFACE
TREE ROOTS

3-11

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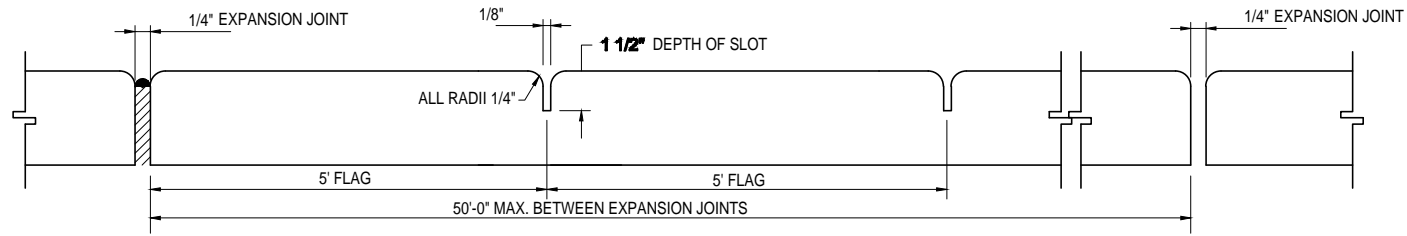
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CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:	PROJECT:
	UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

TITLE:	DATE	PROJECT NO.
CONSTRUCTION STANDARD DETAILS	06/06/19	18213
	DRAWN	SHEET NO.
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	APPROVED	

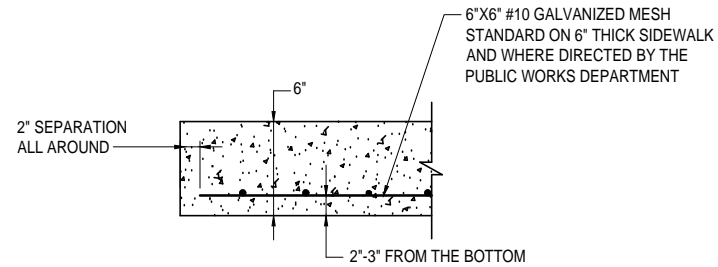
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JOINTS

TYPICAL LONGITUDINAL SECTION OF SIDEWALK

N.T.S.



DETAIL FOR 6" SIDEWALK

N.T.S.

SIDEWALK NOTES:

1. ALL WORK SHALL COMPLY WITH CITY OF CORAL GABLES STANDARD SPECIFICATIONS MATERIALS: SEC 302-1 & METHODS: SEC. 408.
2. SUBGRADE COMPACTED TO 95% DENSITY AASHTO T-99
3. ALL JOINTS TO BE TOOLED EDGE, NO SAWCUT JOINTS PERMITTED.
4. SUBGRADE COMPACTED TO 98% DENSITY PER AASHTO T-99.
5. ALL SIDEWALK TO BE CORAL GABLES BEIGE #3 AND SHALL BE MANUFACTURED BY THE LAMBERT CORPORATION OR AN APPROVED EQUAL.
6. 6" SIDEWALK TO HAVE SAWCUT EXPANSION JOINTS EVERY 5'.
7. DEVIATIONS FROM THESE STANDARDS REQUIRE PRIOR PUBLIC WORKS APPROVAL IN WRITING

ISSUING DATE : 11-09-2022



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CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **CONSTRUCTION STANDARD DETAILS**

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
	25
CHECKED	
APPROVED	

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GENERAL:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT STANDARD PLANS (102-600 SERIES), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.
3. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER.
4. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
6. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS.
NON-PEAK HOURS ARE:
9:00 AM TO 3:30 PM - MONDAY THROUGH FRIDAY
7. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE
- UNIVERSITY DRIVE = 25 M.P.H.
REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARD PLANS INDEXES.
8. ALL WORK SHALL BE PERFORMED DURING DAYTIME ONLY
7:30 AM TO 7:00 PM - MONDAY THROUGH FRIDAY
9. ACCESS TO ALL PROPERTIES WITHIN THE AREA OF CONSTRUCTION SHALL BE PROVIDED DURING ALL PHASES OF CONSTRUCTION.
10. MILLING AND RESURFACING IS TO BE DONE IN PHASES. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC WITH THE CITY'S PERMIT OFFICE.

DROP OFFS:

10. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO FY 2022-23 STANDARD PLANS INDEX NO. 102-600, SHEET 8 OF 11. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.

ISSUING DATE : 11-09-2022

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 CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **TRAFFIC CONTROL PLANS GENERAL NOTES**

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
CHECKED	26
APPROVED	

SIGNING AND MARKING GENERAL NOTES:

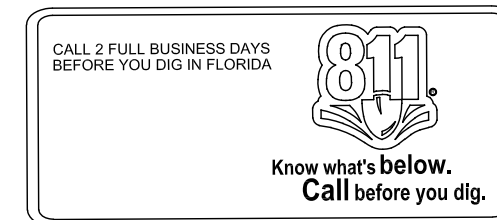
1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE CURRENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2019-2020. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.
2. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.
3. INCORRECTLY PLACED THERMOPLASTIC MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND REPLACING THE FRICTION COURSE A MINIMUM WIDTH OF 18 IN. AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.
4. EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND DESIGN STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEMS.
5. THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY LOST OR DAMAGED DURING CONSTRUCTION SIGNS SHALL BE REPLACED AT NO ADDITIONAL COST.
6. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

SIGNALIZATION GENERAL NOTES

1. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF THE EXISTING INTERSECTION PRIOR TO THE BEGINNING CONSTRUCTION ACTIVITIES. A WRITTEN REPORT WILL BE PREPARED LISTING ALL SIGNAL ITEMS OPERABLE AND INOPERABLE. THE COMPLETED REPORT WILL BE FORWARDED TO THE PROJECT REPRESENTATIVE WITH COPIES TO THE MAINTAINING AGENCY PRIOR TO BEGINNING CONSTRUCTION.
2. GOVERNING STANDARDS AND SPECIFICATIONS ARE: FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2019-2020, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2019, AS AMENDED BY CONTRACT DOCUMENTS AND THE MIAMI-DADE COUNTY TECHNICAL SPECIAL PROVISIONS FOR TRAFFIC SIGNALS.
3. CONTRACTOR SHALL COMPLY WITH THE MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, TRAFFIC SECTION SPECIFICATIONS AND DETAILS FOR SIGNAL EQUIPMENT, SIGNS, PAVEMENT MARKINGS AND INSTALLATION PROCEDURES.
4. THE SIGNAL-MAINTAINING AGENCY IS: MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, TRAFFIC SIGNALS & SIGNS DIVISION. THE CONTACT TELEPHONE NUMBER FOR DTPW, TRAFFIC SIGNAL & SIGNS DIVISION IS: (305) 592-3470.
5. EXISTING COMMUNICATIONS OR COMMAND WIRE CONNECTIONS SHALL BE MAINTAINED AT ALL SIGNALIZED LOCATIONS DURING CONSTRUCTION. THIS SHALL INCLUDE INTERCONNECT, RAILROAD, FLASHING BEACON, RAILROAD PRE-EMPTION, FIRE PRE-EMPTION AND SCHOOL ZONE FLASHERS. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY.
6. THE CONTRACTOR SHALL NOTIFY THE MAINTAINING AGENCY AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY SIGNAL RELATED INSTALLATION.
7. TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 811, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT DURING UTILITY COMPANY LOCATIONS OF THEIR FACILITIES.

8. PULL BOXES AND MAST ARM FOUNDATIONS SHALL HAVE A MINIMUM 4" CLEARANCE FROM ALL JOINTS AND EDGE OF SIDEWALK. THERE SHALL BE NO EXPANSION MATERIAL AROUND PULL BOXES AND MAST ARM FOUNDATIONS. PULL BOXES SHALL NOT BE PLACED IN PEDESTRIAN RAMPS.
9. THE CONTRACTOR WILL PROVIDE TWO (2) SETS OF AS-BUILT DRAWINGS AT THE TIME OF INSPECTIONS.
10. THE CONTRACTOR RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNAL WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS, AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO MALFUNCTION WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, TEMPORARY TRAFFIC CONTROL DEVICES, FLAG MAN PERSONNEL, AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED SIGNALIZED INTERSECTION.
11. THE CONTRACTOR SHALL RESTORE SIDEWALKS AT THE LOCATIONS WHERE PULL BOXES ARE TO BE INSTALLED OUTSIDE OF THE PROPOSED SIDEWALK LOCATIONS. COMPLETE FLAGS OF SIDEWALK AFFECTED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED.
12. THE CONTRACTOR SHALL COORDINATE WITH MDC TSS DEPARTMENT AND CCG PUBLIC WORKS PRIOR TO BEGINNING WORK AT THE SIGNALIZED INTERSECTION EACH TIME THAT WORK IS SCHEDULED.
13. THE CONTRACTOR SHALL COORDINATE WITH MDC TSS DEPARTMENT AND CCG PUBLIC WORKS PRIOR TO LEAVING THE SIGNALIZED INTERSECTION EACH TIME THAT WORK IS COMPLETED TO ENSURE THAT THE SIGNAL IS PROPERLY COMMUNICATING WITH MDC'S TSS SYSTEM.

COMPANIES	CONTACT	TELEPHONE NO.
SUNSHINE ONE CALL		811
ATLANTIC BROADBAND	PETE FREYTAG	(305) 861-8069 EXT 5208
COMCAST CABLE	LEONARD MAXWELL-NEWBOLD	(754) 221-1254
CITY OF CORAL GABLES SEWER & STORMWATER		
UTILITIES	DAVID GALEANO	(305) 460-5017
FLORIDA CITY GAS	GUSTAVO PENA	(305) 835 3624
MIAMI-DADE COUNTY PUBLIC WORKS AND TRAFFIC	OCATAVIO VIDAL	(305) 412-0891 EXT 201
FLORIDA POWER & LIGHT (DISTRIBUTION)- DADE	EDGAR AGUILAR	(386) 586-6403
MIAMI-DADE WATER & SEWER	LAZARO GUERRA	(786) 268 5273
AT&T / DISTRIBUTION	DINO FARRUGIO	(561) 997-0240



ISSUING DATE : 11-09-2022

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 CERTIFICATE OF AUTHORIZATION EB 2690

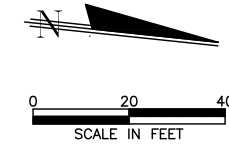
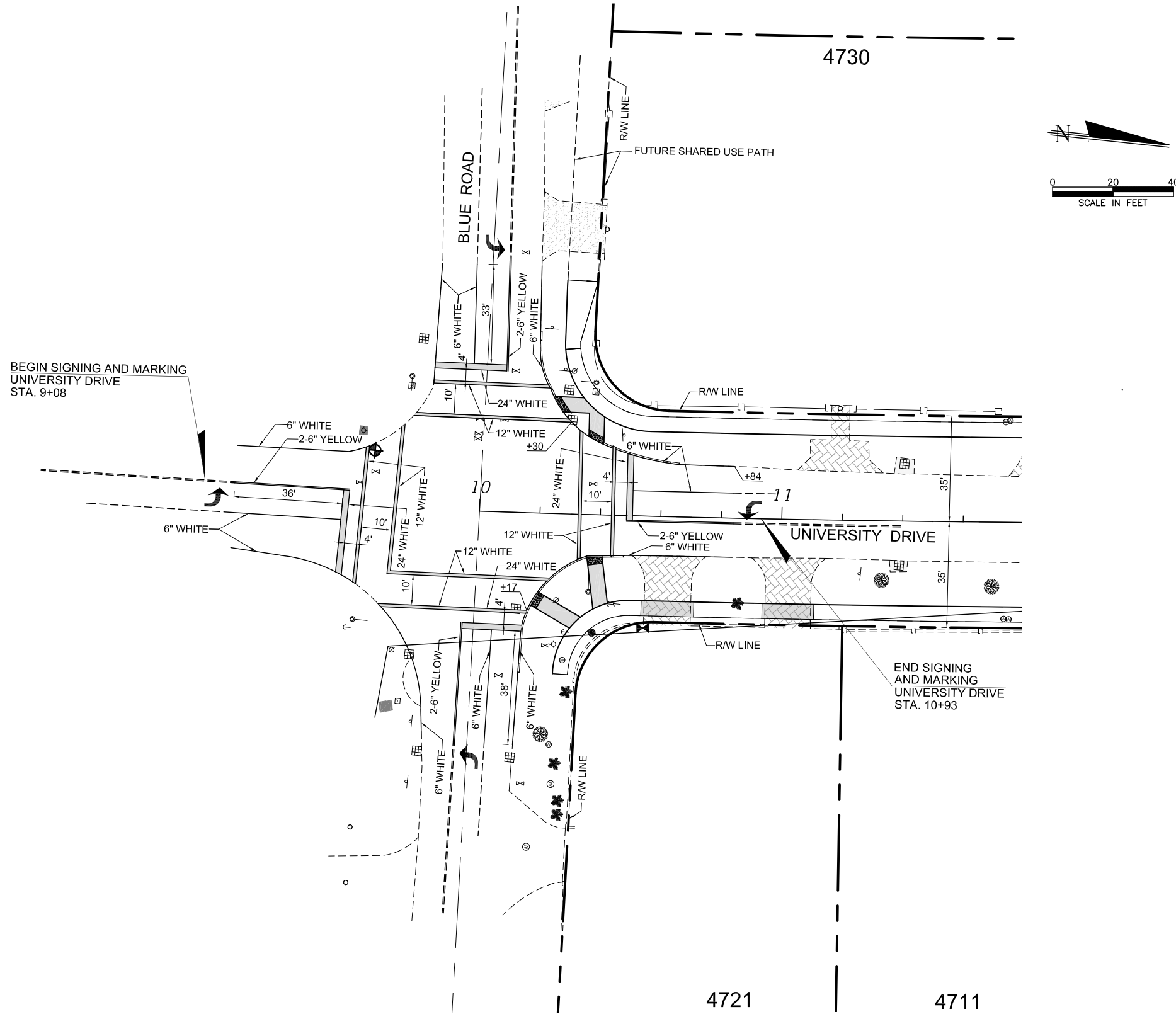
REVISIONS:	
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.	

PROJECT:
**UNIVERSITY DRIVE SIDEWALKS
 FROM BLUE ROAD TO BIRD ROAD**

TITLE:
**SIGNING AND MARKING GENERAL NOTES
 AND SIGNALIZATION GENERAL NOTES**

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
CHECKED	27
APPROVED	

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ISSUING DATE : 11-09-2022



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 CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:	
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.	

PROJECT: **UNIVERSITY DRIVE SIDEWALKS FROM BLUE ROAD TO BIRD ROAD**

TITLE: **SIGNING AND PAVEMENT MARKING PLAN**

DATE	PROJECT NO.
06/06/19	18213
DRAWN	SHEET NO.
	28
CHECKED	
APPROVED	



Attachment C: Signal Timing/Phasing Information



TOD Schedule Report
for 2598: Bird Rd&University Dr W

Print Date:
10/4/2021

Print Time:
3:05 PM

<u>Asset</u>	<u>Intersection</u>	<u>TOD Schedule</u>	<u>Op Mode</u>	<u>Plan #</u>	<u>Cycle</u>	<u>Offset</u>	<u>TOD Setting</u>	<u>Active PhaseBank</u>	<u>Active Maximum</u>
2598	Bird Rd&University Dr W	DOW-2	TOD	[13] POST PM PEAK	180	160	N/A	1	Max 2

Splits

<u>PH 1</u>	<u>PH 2</u>	<u>PH 3</u>	<u>PH 4</u>	<u>PH 5</u>	<u>PH 6</u>	<u>PH 7</u>	<u>PH 8</u>
-	WBT	-	NBL	WBL	EBT	-	-
0	151	0	17	9	136	0	0



Active Phase Bank: Phase Bank 1

<u>Phase</u>	<u>Walk</u>			<u>Don't Walk</u>			<u>Min Initial</u>			<u>Veh Ext</u>			<u>Max Limit</u>			<u>Max 2</u>			<u>Yellow</u>	<u>Red</u>
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3		
1 -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 WBT	0	0	0	0	0	0	16	16	16	1	1	1	45	45	45	0	45	45	4	2
3 -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 NBL	0	0	0	0	0	0	7	7	7	3	-2.5	-2.5	10	10	10	25	25	25	4	2.5
5 WBL	0	0	0	0	0	0	5	5	5	2	2	2	7	7	7	15	15	15	4	2
6 EBT	0	0	0	0	0	0	16	16	16	1	1	1	45	45	45	0	45	45	4	2
7 -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 -	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Last In Service Date: unknown

Permitted Phases	
	12345678
Default	-2-456--
External Permit 0	-2-4-6--
External Permit 1	-2-4-6--
External Permit 2	-2-4-6--

TOD Schedule Report
for 2598: Bird Rd&University Dr W

Print Date:
10/4/2021

Print Time:
3:05 PM

Current TOD Schedule	Plan	Cycle	Green Time								Ring Offset	Offset
			1 -	2 WBT	3 -	4 NBL	5 WBL	6 EBT	7 -	8 -		
1		140	0	116	0	12	6	104	0	0	0	127
2		100	0	80	0	8	6	68	0	0	0	34
3		120	0	98	0	10	6	86	0	0	0	117
4		130	0	108	0	10	6	96	0	0	0	18
5		140	0	113	0	15	6	101	0	0	0	0
6		150	0	125	0	13	6	113	0	0	0	100
7		140	0	120	0	8	11	103	0	0	0	136
8		120	0	100	0	8	6	88	0	0	0	17
9		100	0	80	0	8	6	68	0	0	0	88
10		110	0	90	0	8	6	78	0	0	0	84
11		180	0	148	0	20	6	136	0	0	0	58
12		130	0	111	0	7	9	96	0	0	0	66
13		180	0	151	0	17	9	136	0	0	0	160
15		140	0	120	0	8	11	103	0	0	0	63
16		120	0	98	0	10	7	85	0	0	0	88
17		120	0	98	0	10	7	85	0	0	0	32
18		110	0	90	0	8	6	78	0	0	0	9
20		80	0	60	0	8	6	48	0	0	0	27
21		80	0	60	0	8	6	48	0	0	0	27
22		80	0	60	0	8	6	48	0	0	0	27
23		80	0	60	0	8	6	48	0	0	0	27

Local TOD Schedule		
Time	Plan	DOW
0000	21	Su
0000	Free	M T W Th F
0115	Free	Su
0130	Free	M T W Th F
0230	Free	Su
0500	Free	M T W Th F
0530	5	M T W Th F
0600	11	M T W Th F
0600	6	Su
1030	6	M T W Th F
1500	13	M T W Th F
2000	6	M T W Th F
2100	9	M T W Th F
2300	21	Su

Current Time of Day Function			
Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	-----	SuM T W ThF S

Local Time of Day Function			
Time	Function	Settings *	Day of Week
0000	TOD OUTPUTS	-----	SuM T W ThF S

- * Settings**
- Blank - FREE - Phase Bank 1, Max 1
 - Blank - Plan - Phase Bank 1, Max 2
 - 1 - Phase Bank 2, Max 1
 - 2 - Phase Bank 2, Max 2
 - 3 - Phase Bank 3, Max 1
 - 4 - Phase Bank 3, Max 2
 - 5 - EXTERNAL PERMIT 1
 - 6 - EXTERNAL PERMIT 2
 - 7 - X-PED OMIT
 - 8 - TBA



Attachment D: Crash Summaries & FDOT CAR/Signal 4 Data

Location: SR 976/Bird Road/SW 40 Street Segment
 State Section: 87044000 County: Miami-Dade
 State Road: 976 District: 6
 Roadway Limits: From 300 Feet East of SW 57 Avenue to 300 Feet West of Riviera Drive
 Engineer: CHOICE
 Area Type: Urban
 Spot/Segment: Segment
 Spot Type: 4-5Ln 2Wy Divd Rasd
 Begin Milepost: 6.267
 End Milepost: 7.541
 Begin Year: 2015
 End Year: 2019
 Number of Years: 5

CRASH STATISTICS

Year	2015	2016	2017	2018	2019
Number of Crashes	151	148	144	126	124
Average Daily Traffic (ADT)	41,380	44,741	42,448	45,108	42,618
Actual Crash Rate (ACR)	7.847	7.114	7.295	6.007	6.257
District 6 Average Crash Rate (A)	7.715	7.637	8.045	7.819	7.591
Average Vehicle Exposure (M)	19.242	20.805	19.739	20.976	19.818
Critical Crash Rate (CCR)	9.772	9.607	10.121	9.805	9.603
Safety Ratio	0.803	0.740	0.721	0.613	0.652
Statistical Significance	0.251	-0.825	-1.135	-2.930	-2.115
Confidence Level	50.00%	50.00%	50.00%	50.00%	50.00%

ADT – Average Daily Traffic

ACR – Actual Crash Rate = No. of crashes in a year / Average Vehicle Exposure (M)

M – Average Vehicle Exposure (million vehicles or million vehicles miles) = [(ADT * 365 * L) / 1,000,000]

L = Length of the Segment for Segment Analysis, 1 for Spot Analysis

A – Average Crash Rate

CCR – Critical Crash Rate = $A + K * (\text{SQRT}[A/M]) - (1/[2 * M])$

(Ref: FDOT Highway Safety Improvement Program Guidelines)

K = 3.291 for Urban, 1.960 for Suburban, 1.645 for Rural K = 3.291

Safety Ratio = ACR/CCR

Level of statistical significance = $(\text{ACR} - A + (1/2M))/\text{SQRT}(A/M)$

Confidence Level = Percent probability that the crash rate is abnormally high for the location under study,

using the district-wide average as a Threshold = 99.95%

SR 976/Bird Road/SW 40 Street Segment		Number of Crashes					5 Year Total Crashes	Mean Crashes Per Year	%	Expected Annual Crash Value		90 %ile	95 %ile
		Year								Abnormally High Crashes per year			
		2015	2016	2017	2018	2019				90th percentile	95th percentile		
Segment/Spot with No Expected Values Available													
CRASH TYPE	Rear End	81	89	79	67	59	375	75.00	54.1%	0.00	0.00		
	Head On	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
	Angle	30	24	26	15	27	122	24.40	17.6%	0.00	0.00		
	Left Turn	10	15	14	11	17	67	13.40	9.7%	0.00	0.00		
	Right Turn	3	1	1	2	1	8	1.60	1.2%	0.00	0.00		
	Sideswipe	15	7	11	14	10	57	11.40	8.2%	0.00	0.00		
	Backed Into	0	1	1	0	1	3	0.60	0.4%	0.00	0.00		
	Pedestrian	2	0	0	0	0	2	0.40	0.3%	0.00	0.00		
	Bicycle	1	1	1	0	1	4	0.80	0.6%	0.00	0.00		
	Fixed Object	3	5	4	4	1	17	3.40	2.5%	0.00	0.00		
	Other Non-Collisions	2	0	1	1	2	6	1.20	0.9%	0.00	0.00		
	Overturn/Rollover	2	3	4	9	0	18	3.60	2.6%	0.00	0.00		
	Others	2	2	2	3	5	14	2.80	2.0%	0.00	0.00		
	Total Crashes	151	148	144	126	124	693	138.60	100.0%	0.00	0.00		
SEVERITY	PDO Crashes	120	122	115	105	92	554	110.80	79.9%	0.00	0.00		
	Fatal Crashes	2	1	0	0	0	3	0.60	0.4%	0.00	0.00		
	Injury Crashes	29	25	29	21	32	136	27.20	19.6%	0.00	0.00		
LIGHTING CONDITIONS	Daylight	120	117	115	93	99	544	108.80	78.5%	0.00	0.00		
	Dusk	1	2	0	1	2	6	1.20	0.9%	0.00	0.00		
	Dawn	1	0	3	2	0	6	1.20	0.9%	0.00	0.00		
	Dark	29	29	26	30	23	137	27.40	19.8%	0.00	0.00		
	Unknown	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
SURFACE CONDITIONS	Dry	124	123	126	110	100	583	116.60	84.1%	0.00	0.00		
	Wet	27	25	18	16	24	110	22.00	15.9%	0.00	0.00		
	Others	0	0	0	0	0	0	0.00	0.0%	0.00	0.00		
MONTH OF YEAR	January	8	8	14	17	12	59	11.80	8.5%	0.00	0.00		
	February	12	12	12	13	9	58	11.60	8.4%	0.00	0.00		
	March	17	10	7	7	13	54	10.80	7.8%	0.00	0.00		
	April	12	17	13	12	11	65	13.00	9.4%	0.00	0.00		
	May	11	17	10	8	12	58	11.60	8.4%	0.00	0.00		
	June	10	19	15	9	4	57	11.40	8.2%	0.00	0.00		
	July	7	11	14	11	7	50	10.00	7.2%	0.00	0.00		
	August	14	14	15	8	10	61	12.20	8.8%	0.00	0.00		
	September	9	14	8	12	17	60	12.00	8.7%	0.00	0.00		
	October	16	4	14	10	11	55	11.00	7.9%	0.00	0.00		
	November	15	9	11	8	9	52	10.40	7.5%	0.00	0.00		
	December	20	13	11	11	9	64	12.80	9.2%	0.00	0.00		
DAY OF WEEK	Monday	27	18	24	26	22	117	23.40	16.9%	0.00	0.00		
	Tuesday	20	36	30	23	19	128	25.60	18.5%	0.00	0.00		
	Wednesday	22	14	20	18	18	92	18.40	13.3%	0.00	0.00		
	Thursday	27	26	24	15	27	119	23.80	17.2%	0.00	0.00		
	Friday	28	36	26	25	17	132	26.40	19.0%	0.00	0.00		
	Saturday	17	7	10	11	14	59	11.80	8.5%	0.00	0.00		
	Sunday	10	11	10	8	7	46	9.20	6.6%	0.00	0.00		
HOUR OF DAY	00:00-06:00	3	6	5	5	2	21	4.20	3.0%	0.00	0.00		
	06:00-09:00	21	28	21	20	12	102	20.40	14.7%	0.00	0.00		
	09:00-11:00	16	18	19	11	14	78	15.60	11.3%	0.00	0.00		
	11:00-13:00	21	11	13	22	18	85	17.00	12.3%	0.00	0.00		
	13:00-15:00	22	18	17	17	20	94	18.80	13.6%	0.00	0.00		
	15:00-18:00	33	40	38	28	30	169	33.80	24.4%	0.00	0.00		
	18:00-24:00	35	27	31	23	28	144	28.80	20.8%	0.00	0.00		

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2015 TO 12/ 2015 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
1	6.276	04/11/15	Sat	1151	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
2	6.320	05/15/15	Fri	1635	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
3	6.320	06/18/15	Thu	1455	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
4	6.330	02/01/15	Sun	2217	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
5	6.334	01/29/15	Thu	1159	Right-Turn	0	0	1	Day	Dry	Careless or Negligent Manner
6	6.335	04/21/15	Tue	1532	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
7	6.335	12/05/15	Sat	1940	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
8	6.337	04/24/15	Fri	1840	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
9	6.337	11/09/15	Mon	1712	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
10	6.337	11/30/15	Mon	0922	Sideswipe	0	0	1	Day	Wet	Other Contributing Action
11	6.339	01/08/15	Thu	1938	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
12	6.339	02/06/15	Fri	1132	Angle	0	0	1	Day	Dry	Ran Red Light
13	6.339	03/02/15	Mon	1408	Angle	0	1	0	Day	Dry	Ran Red Light
14	6.339	03/26/15	Thu	1523	Angle	0	0	1	Day	Dry	Ran Red Light
15	6.339	05/08/15	Fri	1502	Pedestrian	0	1	0	Day	Dry	No Contributing Action
16	6.339	06/10/15	Wed	1404	Angle	0	1	0	Day	Dry	Ran Red Light
17	6.339	06/28/15	Sun	1803	Angle	0	0	1	Day	Wet	Other Contributing Action
18	6.339	08/15/15	Sat	0653	Angle	0	2	0	Day	Dry	Other Contributing Action
19	6.339	08/28/15	Fri	1531	Angle	0	0	1	Day	Dry	Ran Off Roadway
20	6.339	09/15/15	Tue	0712	Angle	0	1	0	Night	Dry	Ran Red Light
21	6.339	09/19/15	Sat	2348	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
22	6.339	11/12/15	Thu	1738	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
23	6.339	11/17/15	Tue	1013	Angle	0	0	1	Day	Dry	Ran Stop Sign
24	6.339	11/25/15	Wed	1900	Left-Turn	0	2	0	Night	Wet	Failed to Yield Right-Of-Way
25	6.339	12/05/15	Sat	1916	Left-Turn	0	1	0	Night	Wet	Failed to Yield Right-Of-Way
26	6.339	12/14/15	Mon	1308	Left-Turn	0	1	0	Day	Dry	Ran Red Light
27	6.339	12/17/15	Thu	1906	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
28	6.343	09/22/15	Tue	0830	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
29	6.358	05/13/15	Wed	1638	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
30	6.358	08/12/15	Wed	1001	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
31	6.358	08/26/15	Wed	1448	Rear-End	0	0	1	Day	Wet	Followed too Closely
32	6.358	08/29/15	Sat	1447	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
33	6.367	04/23/15	Thu	1251	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
34	6.377	02/26/15	Thu	1635	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
35	6.377	10/07/15	Wed	1542	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
36	6.377	12/01/15	Tue	1202	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
37	6.434	01/09/15	Fri	1815	Rear-End	0	0	1	Night	Dry	Other Contributing Action
38	6.434	12/10/15	Thu	1312	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
39	6.479	02/17/15	Tue	0744	Rear-End	0	1	0	Day	Dry	Other Contributing Action
40	6.479	09/18/15	Fri	1528	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
41	6.513	10/03/15	Sat	1301	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
42	6.570	03/13/15	Fri	0852	Sideswipe	0	0	1	Day	Dry	No Contributing Action
43	6.589	05/29/15	Fri	2307	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
44	6.593	07/08/15	Wed	1911	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
45	6.595	07/09/15	Thu	1852	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
46	6.599	02/20/15	Fri	0849	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
47	6.599	12/24/15	Thu	1257	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
48	6.604	03/25/15	Wed	1742	Angle	0	0	1	Day	Dry	No Contributing Action
49	6.608	08/04/15	Tue	1627	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
50	6.610	08/28/15	Fri	1138	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner

State of Florida Department of Transportation

CRASH SUMMARY

SECTION: 87044000 STATE ROUTE: 976
 ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
 STUDY PERIOD: FROM 1/ 2015 TO 12/ 2015 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
51	6.627	11/10/15	Tue	1652	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
52	6.636	10/10/15	Sat	2000	Sideswipe	0	1	0	Night	Dry	Failed To Keep In Proper Lane
53	6.646	12/18/15	Fri	1213	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
54	6.655	06/05/15	Fri	1251	Rear-End	0	0	1	Day	Dry	Followed too Closely
55	6.703	04/30/15	Thu	0922	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
56	6.813	03/27/15	Fri	1100	Rear-End	0	0	1	Day	Dry	Followed too Closely
57	6.819	11/30/15	Mon	1920	Rear-End	0	1	0	Night	Wet	Followed too Closely
58	6.834	03/19/15	Thu	0925	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
59	6.834	08/18/15	Tue	0858	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
60	6.870	03/23/15	Mon	1811	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
61	6.886	05/14/15	Thu	1354	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
62	6.888	07/10/15	Fri	1803	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
63	6.892	02/22/15	Sun	2315	Not Coded	0	0	1	Night	Dry	Improper Turn
64	6.919	05/20/15	Wed	0750	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
65	6.920	09/30/15	Wed	0821	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
66	6.926	12/10/15	Thu	1209	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
67	6.964	11/30/15	Mon	0823	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
68	6.970	12/21/15	Mon	1443	Rear-End	0	0	1	Day	Dry	No Contributing Action
69	6.993	10/13/15	Tue	1739	Rear-End	0	0	1	Day	Wet	Followed too Closely
70	6.993	11/20/15	Fri	1812	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
71	7.002	01/13/15	Tue	1147	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
72	7.002	02/05/15	Thu	1113	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
73	7.002	06/11/15	Thu	1227	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
74	7.007	02/07/15	Sat	1500	Overturn/Rollover	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
75	7.007	02/28/15	Sat	1527	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
76	7.010	07/27/15	Mon	0930	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
77	7.012	01/13/15	Tue	1316	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
78	7.012	04/25/15	Sat	1701	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
79	7.012	06/01/15	Mon	1351	Rear-End	0	0	1	Day	Dry	Followed too Closely
80	7.012	10/12/15	Mon	1638	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
81	7.012	10/13/15	Tue	0253	Guardrail End	0	0	1	Night	Dry	Careless or Negligent Manner
82	7.012	12/28/15	Mon	1850	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
83	7.013	04/01/15	Wed	1720	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
84	7.017	08/27/15	Thu	0719	Sideswipe	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
85	7.021	01/10/15	Sat	1835	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
86	7.021	03/12/15	Thu	1959	Angle	0	0	1	Night	Dry	Careless or Negligent Manner
87	7.021	03/15/15	Sun	2214	Angle	0	0	1	Night	Dry	Ran Red Light
88	7.021	03/23/15	Mon	0949	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
89	7.021	03/27/15	Fri	1015	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
90	7.021	07/21/15	Tue	1354	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
91	7.021	09/18/15	Fri	0824	Angle	0	0	1	Day	Dry	Other Contributing Action
92	7.021	10/05/15	Mon	1410	Tree (Standing)	0	1	0	Day	Dry	No Contributing Action
93	7.021	10/16/15	Fri	1635	Tree (Standing)	0	0	1	Day	Wet	No Contributing Action
94	7.021	10/26/15	Mon	2052	Sideswipe	0	0	1	Night	Dry	No Contributing Action
95	7.021	11/30/15	Mon	1906	Sideswipe	0	0	1	Night	Wet	No Contributing Action
96	7.021	12/26/15	Sat	1200	Rear-End	0	0	1	Day	Dry	No Contributing Action
97	7.021	12/23/15	Wed	1125	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
98	7.021	12/30/15	Wed	1521	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
99	7.022	03/28/15	Sat	1437	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
100	7.024	06/22/15	Mon	1533	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2015 TO 12/ 2015 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
101	7.030	05/24/15	Sun	0121	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
102	7.030	05/28/15	Thu	1338	Other Non-Collision	0	1	0	Day	Dry	No Contributing Action
103	7.030	09/11/15	Fri	1330	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
104	7.030	10/19/15	Mon	0909	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
105	7.034	12/03/15	Thu	1800	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
106	7.047	03/26/15	Thu	0313	Pedalcycle	1	0	0	Night	Dry	Careless or Negligent Manner
107	7.059	04/29/15	Wed	1532	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
108	7.059	10/21/15	Wed	2146	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
109	7.078	12/12/15	Sat	1803	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
110	7.166	10/16/15	Fri	1300	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
111	7.171	06/17/15	Wed	1420	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
112	7.176	04/02/15	Thu	0728	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
113	7.181	03/04/15	Wed	1931	Rear-End	0	1	0	Night	Dry	Improper Passing
114	7.185	02/23/15	Mon	0812	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
115	7.185	03/01/15	Sun	1606	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
116	7.185	06/01/15	Mon	0908	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
117	7.185	07/29/15	Wed	1755	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
118	7.185	10/13/15	Tue	0816	Angle	0	1	0	Day	Dry	Ran Stop Sign
119	7.185	11/02/15	Mon	0806	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
120	7.185	11/02/15	Mon	0733	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
121	7.185	12/23/15	Wed	1156	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
122	7.189	12/07/15	Mon	1518	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
123	7.236	11/29/15	Sun	1515	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
124	7.236	12/29/15	Tue	0747	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
125	7.240	08/27/15	Thu	1620	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
126	7.299	08/11/15	Tue	1140	Angle	0	1	0	Day	Dry	Other Contributing Action
127	7.310	05/09/15	Sat	1557	Rear-End	0	1	0	Day	Dry	Followed too Closely
128	7.336	03/03/15	Tue	2004	Animal	0	0	1	Night	Dry	No Contributing Action
129	7.338	12/04/15	Fri	1836	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
130	7.347	11/14/15	Sat	1040	Sideswipe	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
131	7.349	08/12/15	Wed	1909	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
132	7.353	11/01/15	Sun	2247	Pedestrian	1	0	0	Night	Dry	No Contributing Action
133	7.366	09/30/15	Wed	1522	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
134	7.385	01/11/15	Sun	1126	Thrown or Falling Object	0	0	1	Day	Wet	No Contributing Action
135	7.476	02/23/15	Mon	1145	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
136	7.481	03/31/15	Tue	1557	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
137	7.481	04/17/15	Fri	1151	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
138	7.481	05/01/15	Fri	0832	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
139	7.490	01/08/15	Thu	1459	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
140	7.490	02/20/15	Fri	0919	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
141	7.490	04/12/15	Sun	0950	Angle	0	1	0	Day	Wet	Failed to Yield Right-Of-Way
142	7.490	04/23/15	Thu	0939	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
143	7.490	05/11/15	Mon	0841	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
144	7.490	06/02/15	Tue	0945	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
145	7.490	08/07/15	Fri	1505	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
146	7.490	08/21/15	Fri	1924	Angle	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
147	7.490	09/21/15	Mon	0701	Rear-End	0	0	1	Day	Dry	Other Contributing Action
148	7.499	07/06/15	Mon	1021	Sideswipe	0	0	1	Day	Dry	No Contributing Action
149	7.499	10/08/15	Thu	1338	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
150	7.509	10/21/15	Wed	1808	Angle	0	0	1	Day	Dry	Improper Passing

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2015 TO 12/ 2015 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
151	7.528	10/16/15	Fri	1458	Rear-End			0	0	1	Day	Wet	Careless or Negligent Manner		
Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
151	2	29	120	81	0	30	10	3	15	0	3	0	3	0	1
Percent	1.32%	19.21%	79.47%	53.64%	0.00%	19.87%	6.62%	1.99%	9.93%	0.00%	1.99%	0.00%	1.99%	0.00%	0.66%
Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
Total	120	31	27	124	78	27	1	7	0	2	0	0	1	2	0
Percent	79.47%	20.53%	17.88%	82.12%	51.66%	17.88%	0.66%	4.64%	0.00%	1.32%	0.00%	0.00%	0.66%	1.32%	0.00%
TOTAL ENTERING VEHICLES/ADT: 41,380								SEGMENT CRASH RATE: 7.847 CRASHES PER MILLION VEHICLE MILES							

State of Florida Department of Transportation

CRASH SUMMARY

SECTION: 87044000 STATE ROUTE: 976
 ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
 STUDY PERIOD: FROM 1/ 2016 TO 12/ 2016 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
1	6.276	06/07/16	Tue	1052	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
2	6.276	04/20/16	Wed	1553	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
3	6.314	04/19/16	Tue	1700	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
4	6.320	08/29/16	Mon	0811	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
5	6.331	11/18/16	Fri	1122	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
6	6.333	04/29/16	Fri	1207	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
7	6.335	12/31/16	Sat	1905	Rear-End	0	0	1	Night	Dry	Not Coded
8	6.339	01/11/16	Mon	0656	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
9	6.339	02/09/16	Tue	0939	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
10	6.339	02/09/16	Tue	1152	Angle	0	0	1	Day	Dry	Ran Red Light
11	6.339	02/23/16	Tue	0924	Rear-End	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
12	6.339	03/11/16	Fri	1523	Left-Turn	0	0	1	Day	Dry	Other Contributing Action
13	6.339	06/15/16	Wed	0701	Angle	0	0	1	Day	Dry	Ran Red Light
14	6.339	07/05/16	Tue	1006	Rear-End	0	0	1	Day	Dry	Followed too Closely
15	6.339	07/15/16	Fri	0715	Angle	0	0	1	Day	Dry	Other Contributing Action
16	6.339	09/18/16	Sun	0859	Angle	0	0	1	Day	Dry	Ran Red Light
17	6.339	09/27/16	Tue	1218	Angle	0	2	0	Day	Wet	Ran Red Light
18	6.339	11/06/16	Sun	1354	Angle	0	0	1	Day	Dry	No Contributing Action
19	6.339	11/13/16	Sun	1709	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
20	6.340	02/09/16	Tue	2151	Overturn/Rollover	0	0	1	Night	Dry	Careless or Negligent Manner
21	6.345	10/03/16	Mon	1541	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
22	6.348	04/04/16	Mon	0830	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
23	6.348	07/17/16	Sun	1049	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
24	6.348	12/15/16	Thu	1606	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
25	6.353	08/04/16	Thu	1028	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
26	6.358	01/29/16	Fri	0846	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
27	6.358	09/08/16	Thu	1220	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
28	6.358	09/19/16	Mon	0737	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
29	6.358	11/05/16	Sat	1610	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
30	6.360	02/02/16	Tue	1734	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
31	6.465	08/02/16	Tue	1801	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
32	6.479	02/25/16	Thu	0827	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
33	6.479	06/24/16	Fri	0944	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
34	6.498	08/18/16	Thu	0945	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
35	6.513	02/19/16	Fri	2127	Angle	0	0	1	Night	Dry	Failed To Keep In Proper Lane
36	6.570	07/15/16	Fri	0820	Rear-End	0	3	0	Day	Dry	Careless or Negligent Manner
37	6.589	01/20/16	Wed	2300	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
38	6.599	06/06/16	Mon	1756	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
39	6.603	08/05/16	Fri	1652	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
40	6.608	05/05/16	Thu	1609	Angle	0	0	1	Day	Dry	Improper Turn
41	6.612	05/09/16	Mon	1632	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
42	6.614	04/01/16	Fri	0545	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
43	6.617	06/14/16	Tue	1816	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
44	6.617	08/30/16	Tue	1441	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
45	6.617	11/15/16	Tue	1707	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
46	6.627	02/02/16	Tue	0646	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
47	6.646	09/06/16	Tue	0739	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
48	6.777	06/24/16	Fri	0816	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
49	6.796	06/03/16	Fri	1427	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
50	6.796	06/21/16	Tue	0954	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2016 TO 12/ 2016 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
51	6.796	07/01/16	Fri	1054	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
52	6.796	10/18/16	Tue	1011	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
53	6.806	06/16/16	Thu	1801	Rear-End	0	0	1	Day	Dry	Other Contributing Action
54	6.809	03/29/16	Tue	1454	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
55	6.810	09/16/16	Fri	1517	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
56	6.813	09/27/16	Tue	1344	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
57	6.815	11/18/16	Fri	0652	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
58	6.816	04/01/16	Fri	1408	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
59	6.834	09/11/16	Sun	1212	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
60	6.870	09/28/16	Wed	0959	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
61	6.901	12/01/16	Thu	0750	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
62	6.924	08/16/16	Tue	1535	Angle	0	0	1	Day	Dry	Ran Red Light
63	6.926	03/31/16	Thu	0818	Not Coded	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
64	6.926	05/12/16	Thu	0758	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
65	7.002	01/26/16	Tue	0434	Guardrail Face	0	0	1	Night	Dry	Over-Correcting/Over-Steering
66	7.002	04/27/16	Wed	1030	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
67	7.002	06/09/16	Thu	0658	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
68	7.008	06/10/16	Fri	1428	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
69	7.010	12/23/16	Fri	0749	Rear-End	0	1	0	Day	Wet	Other Contributing Action
70	7.012	12/14/16	Wed	0801	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
71	7.015	04/23/16	Sat	1115	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
72	7.017	05/06/16	Fri	1425	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
73	7.017	05/20/16	Fri	1433	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
74	7.017	07/27/16	Wed	1642	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
75	7.019	03/30/16	Wed	1555	Rear-End	0	0	1	Day	Dry	Improper Backing
76	7.019	09/30/16	Fri	1536	Guardrail End	0	1	0	Day	Dry	Ran Off Roadway
77	7.020	02/01/16	Mon	1847	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
78	7.021	02/01/16	Mon	0730	Not Coded	0	0	1	Night	Wet	Careless or Negligent Manner
79	7.021	03/06/16	Sun	2041	Pedalcycle	0	1	0	Night	Dry	No Contributing Action
80	7.021	03/25/16	Fri	2335	Angle	0	0	1	Night	Dry	Other Contributing Action
81	7.021	05/09/16	Mon	1335	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2016 TO 12/ 2016 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
82	7.021	05/30/16	Mon	0958	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
83	7.021	06/10/16	Fri	1521	Rear-End	0	1	0	Day	Wet	Followed too Closely
84	7.021	06/27/16	Mon	1629	Overturn/Rollover	0	1	0	Day	Dry	No Contributing Action
85	7.021	07/10/16	Sun	2041	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
86	7.021	07/16/16	Sat	0034	Left-Turn	0	0	1	Night	Wet	Ran Red Light
87	7.021	08/20/16	Sat	0010	Sideswipe	0	0	1	Night	Dry	No Contributing Action
88	7.021	08/24/16	Wed	0921	Sideswipe	0	0	1	Day	Wet	Improper Turn
89	7.021	08/28/16	Sun	0841	Left-Turn	0	3	0	Day	Wet	Failed to Yield Right-Of-Way
90	7.021	09/15/16	Thu	2029	Right-Turn	0	1	0	Night	Dry	Improper Turn
91	7.021	09/23/16	Fri	0645	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
92	7.021	10/14/16	Fri	0715	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
93	7.021	12/13/16	Tue	1856	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
94	7.021	12/16/16	Fri	1348	Rear-End	0	0	1	Day	Dry	Improper Backing
95	7.025	04/28/16	Thu	0922	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
96	7.027	01/19/16	Tue	1419	Rear-End	0	0	1	Day	Dry	Improper Backing
97	7.030	05/17/16	Tue	1756	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
98	7.030	08/04/16	Thu	1904	Rear-End	0	0	1	Night	Dry	Followed too Closely
99	7.030	12/05/16	Mon	0856	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
100	7.040	05/28/16	Sat	0120	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
101	7.059	04/10/16	Sun	1241	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
102	7.078	06/06/16	Mon	1735	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
103	7.087	06/19/16	Sun	1240	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
104	7.116	12/08/16	Thu	2135	Rear-End	0	0	1	Night	Wet	Other Contributing Action
105	7.166	07/21/16	Thu	0928	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
106	7.172	01/28/16	Thu	1524	Rear-End	0	3	0	Day	Wet	Careless or Negligent Manner
107	7.176	12/13/16	Tue	1745	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
108	7.184	12/08/16	Thu	1936	Angle	0	1	0	Night	Wet	Careless or Negligent Manner
109	7.185	03/30/16	Wed	0839	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
110	7.185	04/12/16	Tue	1744	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
111	7.185	08/24/16	Wed	0951	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
112	7.185	09/23/16	Fri	1527	Backed Into	0	0	1	Day	Dry	Improper Backing
113	7.227	06/30/16	Thu	1201	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
114	7.230	01/11/16	Mon	1915	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
115	7.236	08/22/16	Mon	1559	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
116	7.245	11/17/16	Thu	1934	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
117	7.255	12/23/16	Fri	0827	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
118	7.264	06/09/16	Thu	1649	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
119	7.299	10/04/16	Tue	1559	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
120	7.299	12/27/16	Tue	2000	Angle	0	0	1	Night	Dry	Careless or Negligent Manner
121	7.301	07/01/16	Fri	1436	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
122	7.344	05/24/16	Tue	1610	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
123	7.344	08/04/16	Thu	1624	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
124	7.347	01/13/16	Wed	2109	Left-Turn	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
125	7.347	04/06/16	Wed	0633	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
126	7.347	05/20/16	Fri	1710	Rear-End	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
127	7.351	05/16/16	Mon	1530	Angle	0	0	1	Day	Dry	Improper Passing
128	7.360	03/03/16	Thu	1407	Tree (Standing)	1	1	0	Day	Dry	Careless or Negligent Manner
129	7.443	06/12/16	Sun	1802	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
130	7.452	05/03/16	Tue	1708	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
131	7.452	05/27/16	Fri	0109	Rear-End	0	1	0	Night	Dry	Failed To Keep In Proper Lane

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: **87044000** STATE ROUTE: **976**
ROADWAY LIMITS: **From 300 Feet East of SW 57 Avenue to 300 Feet West of F** M.P. **6.267** TO **7.541** ENGINEER: **CHOICE**
STUDY PERIOD: FROM **1/ 2016** TO **12/ 2016** COUNTY: **Miami-Dade**

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)				
132	7.452	06/10/16	Fri	1336	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
133	7.471	04/26/16	Tue	1738	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane				
134	7.484	02/08/16	Mon	1449	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
135	7.485	05/13/16	Fri	1507	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
136	7.490	02/18/16	Thu	1627	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way				
137	7.490	03/10/16	Thu	1648	Overturn/Rollover	0	0	1	Day	Dry	Improper Backing				
138	7.490	04/05/16	Tue	1319	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way				
139	7.490	04/19/16	Tue	1732	Angle	0	2	0	Day	Dry	Ran Stop Sign				
140	7.490	04/22/16	Fri	1921	Traffic Sign Support	0	0	1	Day	Dry	Improper Turn				
141	7.490	04/23/16	Sat	1926	Angle	0	0	1	Day	Dry	#N/A				
142	7.490	05/05/16	Thu	1128	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way				
143	7.490	09/30/16	Fri	1446	Angle	0	0	1	Day	Dry	Ran Stop Sign				
144	7.490	11/04/16	Fri	1906	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way				
145	7.490	11/08/16	Tue	2226	Angle	0	0	1	Night	Dry	Ran Stop Sign				
146	7.491	03/29/16	Tue	2044	Utility Pole/Light Support	0	0	1	Night	Dry	No Contributing Action				
147	7.499	05/10/16	Tue	1735	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner				
148	7.499	07/27/16	Wed	2130	Sideswipe	0	0	1	Night	Dry	Other Contributing Action				
Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
148	1	26	122	89	0	24	15	1	7	1	1	0	5	0	2
Percent	0.68%	17.57%	82.43%	60.14%	0.00%	16.22%	10.14%	0.68%	4.73%	0.68%	0.68%	0.00%	3.38%	0.00%	1.35%
Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
Total	117	31	25	123	84	22	4	6	0	1	0	0	1	0	0
Percent	79.05%	20.95%	16.89%	83.11%	56.76%	14.86%	2.70%	4.05%	0.00%	0.68%	0.00%	0.00%	0.68%	0.00%	0.00%

TOTAL ENTERING VEHICLES/ADT: **44,741** SEGMENT CRASH RATE: **7.114** CRASHES PER MILLION VEHICLE MILES

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2017 TO 12/ 2017 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
1	6.320	04/13/17	Thu	0820	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
2	6.320	04/13/17	Thu	0820	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
3	6.320	08/08/17	Tue	1234	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
4	6.320	10/26/17	Thu	0850	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
5	6.330	01/30/17	Mon	1851	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
6	6.330	03/27/17	Mon	2113	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
7	6.330	04/15/17	Sat	1225	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
8	6.330	06/27/17	Tue	1637	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
9	6.331	01/27/17	Fri	1236	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
10	6.335	08/22/17	Tue	1000	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
11	6.335	10/31/17	Tue	1905	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
12	6.336	12/27/17	Wed	1555	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
13	6.339	01/09/17	Mon	1618	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
14	6.339	02/17/17	Fri	1525	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
15	6.339	03/18/17	Sat	1954	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
16	6.339	04/09/17	Sun	0945	Angle	0	1	0	Day	Dry	Other Contributing Action
17	6.339	05/14/17	Sun	1945	Angle	0	0	1	Night	Dry	Ran Red Light
18	6.339	08/22/17	Tue	1000	Left-Turn	0	2	0	Day	Wet	Failed to Yield Right-Of-Way
19	6.339	11/21/17	Tue	1336	Angle	0	0	1	Day	Dry	Ran Red Light
20	6.339	11/21/17	Tue	1759	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
21	6.339	12/01/17	Fri	0803	Angle	0	0	1	Day	Dry	Ran Red Light
22	6.345	06/19/17	Mon	1053	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
23	6.348	01/29/17	Sun	2027	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
24	6.348	06/16/17	Fri	1718	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
25	6.348	09/23/17	Sat	1651	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
26	6.348	09/30/17	Sat	0115	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
27	6.353	08/16/17	Wed	0805	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
28	6.358	02/07/17	Tue	1857	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
29	6.358	07/02/17	Sun	2108	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
30	6.358	11/21/17	Tue	0840	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
31	6.434	02/04/17	Sat	1351	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
32	6.434	09/29/17	Fri	0925	Utility Pole/Light Support	0	1	0	Day	Wet	Careless or Negligent Manner
33	6.469	10/30/17	Mon	0902	Not Coded	0	0	1	Day	Dry	Failed To Keep In Proper Lane
34	6.479	10/09/17	Mon	1626	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
35	6.479	11/01/17	Wed	0853	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
36	6.481	07/02/17	Sun	0723	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
37	6.532	12/22/17	Fri	1455	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
38	6.561	05/26/17	Fri	1236	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
39	6.580	06/06/17	Tue	1736	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
40	6.589	09/26/17	Tue	0935	Rear-End	0	1	0	Day	Wet	Careless or Negligent Manner
41	6.597	01/24/17	Tue	1225	Tree (Standing)	0	1	0	Day	Dry	Other Contributing Action
42	6.606	10/29/17	Sun	0148	Rear-End	0	1	0	Night	Wet	Careless or Negligent Manner
43	6.608	02/27/17	Mon	0929	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
44	6.614	12/19/17	Tue	2050	Angle	0	0	1	Night	Dry	Careless or Negligent Manner
45	6.646	06/12/17	Mon	1146	Tree (Standing)	0	0	1	Day	Dry	No Contributing Action
46	6.646	10/04/17	Wed	1401	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
47	6.796	07/26/17	Wed	1645	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
48	6.796	08/29/17	Tue	0837	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
49	6.796	11/17/17	Fri	1426	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
50	6.800	01/24/17	Tue	1600	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

State of Florida Department of Transportation

CRASH SUMMARY

SECTION: 87044000 STATE ROUTE: 976
 ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
 STUDY PERIOD: FROM 1/ 2017 TO 12/ 2017 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
51	6.800	08/22/17	Tue	1356	Other Post, Pole Or Support	0	0	1	Day	Dry	Careless or Negligent Manner
52	6.806	11/02/17	Thu	1602	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
53	6.809	07/10/17	Mon	1535	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
54	6.810	03/16/17	Thu	1547	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
55	6.815	03/16/17	Thu	2220	Angle	0	5	0	Night	Dry	Failed to Yield Right-Of-Way
56	6.815	06/14/17	Wed	1139	Left-Turn	0	0	1	Day	Wet	Improper Turn
57	6.821	10/27/17	Fri	0658	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
58	6.824	04/12/17	Wed	1014	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
59	6.834	02/16/17	Thu	0638	Rear-End	0	0	1	Day	Dry	Followed too Closely
60	6.905	04/27/17	Thu	1303	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
61	6.924	08/28/17	Mon	1527	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
62	6.924	10/28/17	Sat	2330	Angle	0	0	1	Night	Wet	Not Coded
63	6.937	04/24/17	Mon	1421	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
64	6.943	08/10/17	Thu	2126	Rear-End	0	0	1	Night	Dry	Followed too Closely
65	6.993	01/13/17	Fri	1205	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
66	7.002	08/17/17	Thu	1000	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
67	7.012	08/22/17	Tue	0712	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
68	7.012	09/04/17	Mon	1412	Angle	0	2	0	Day	Dry	Ran Red Light
69	7.015	10/01/17	Sun	1325	Rear-End	0	0	1	Day	Dry	Followed too Closely
70	7.017	04/03/17	Mon	2106	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
71	7.017	07/04/17	Tue	1144	Rear-End	0	0	1	Day	Dry	Followed too Closely
72	7.017	07/06/17	Thu	0816	Sideswipe	0	0	1	Day	Dry	No Contributing Action
73	7.021	01/11/17	Wed	1711	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
74	7.021	02/20/17	Mon	1517	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
75	7.021	02/23/17	Thu	1820	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
76	7.021	04/08/17	Sat	1854	Right-Turn	0	0	1	Day	Dry	Other Contributing Action
77	7.021	04/26/17	Wed	1554	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
78	7.021	06/18/17	Sun	0645	Angle	0	2	0	Day	Wet	Other Contributing Action
79	7.021	07/31/17	Mon	2155	Angle	0	0	1	Night	Dry	Improper Turn
80	7.021	08/06/17	Sun	0148	Overturn/Rollover	0	2	0	Night	Dry	No Contributing Action
81	7.021	12/06/17	Wed	0719	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
82	7.021	12/18/17	Mon	1649	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
83	7.025	10/24/17	Tue	1708	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
84	7.026	07/11/17	Tue	1913	Angle	0	0	1	Day	Dry	Improper Passing
85	7.030	03/29/17	Wed	1110	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
86	7.030	07/29/17	Sat	1321	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
87	7.030	08/03/17	Thu	2041	Overturn/Rollover	0	0	1	Night	Dry	Careless or Negligent Manner
88	7.030	11/18/17	Sat	0122	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
89	7.040	05/19/17	Fri	0922	Angle	0	0	1	Day	Dry	Other Contributing Action
90	7.040	05/26/17	Fri	0813	Angle	0	0	1	Day	Dry	Other Contributing Action
91	7.040	06/28/17	Wed	0914	Not Coded	0	0	1	Day	Dry	No Contributing Action
92	7.040	09/22/17	Fri	0919	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
93	7.040	10/05/17	Thu	1102	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
94	7.059	03/22/17	Wed	1655	Rear-End	0	0	1	Day	Dry	Other Contributing Action
95	7.059	05/10/17	Wed	0957	Angle	0	0	1	Day	Dry	Other Contributing Action
96	7.078	12/07/17	Thu	1500	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
97	7.166	04/18/17	Tue	0732	Angle	0	0	1	Day	Dry	Other Contributing Action
98	7.176	02/22/17	Wed	1507	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
99	7.176	08/14/17	Mon	1602	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
100	7.179	06/15/17	Thu	1759	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2017 TO 12/ 2017 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
101	7.180	01/18/17	Wed	1922	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
102	7.182	04/07/17	Fri	2242	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
103	7.185	05/25/17	Thu	1454	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
104	7.185	06/29/17	Thu	1857	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
105	7.185	07/03/17	Mon	1552	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
106	7.185	12/01/17	Fri	1443	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
107	7.190	10/06/17	Fri	1424	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
108	7.191	08/25/17	Fri	1900	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
109	7.193	08/08/17	Tue	1917	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
110	7.194	10/18/17	Wed	1953	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
111	7.194	11/07/17	Tue	1602	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
112	7.199	05/18/17	Thu	1620	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
113	7.233	06/02/17	Fri	1701	Sideswipe	0	0	1	Day	Wet	Careless or Negligent Manner
114	7.236	01/11/17	Wed	0901	Angle	0	1	0	Day	Wet	Failed to Yield Right-Of-Way
115	7.236	06/02/17	Fri	1804	Left-Turn	0	0	1	Day	Wet	Failed to Yield Right-Of-Way
116	7.236	07/14/17	Fri	1448	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
117	7.236	09/14/17	Thu	1610	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
118	7.236	12/03/17	Sun	2009	Left-Turn	0	2	0	Night	Dry	Improper Turn
119	7.236	12/08/17	Fri	2115	Immersion	0	0	1	Night	Dry	Careless or Negligent Manner
120	7.241	02/01/17	Wed	1601	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
121	7.269	07/14/17	Fri	1812	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
122	7.280	01/30/17	Mon	1753	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
123	7.328	06/29/17	Thu	1729	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
124	7.471	09/05/17	Tue	0922	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
125	7.481	07/28/17	Fri	0827	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
126	7.486	11/21/17	Tue	1619	Rear-End	0	1	0	Day	Dry	Not Coded
127	7.490	01/03/17	Tue	0902	Pedalcycle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
128	7.490	01/30/17	Mon	1745	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
129	7.490	02/14/17	Tue	1208	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
130	7.490	02/14/17	Tue	2106	Angle	0	2	0	Night	Dry	Failed to Yield Right-Of-Way
131	7.490	02/16/17	Thu	1938	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
132	7.490	03/09/17	Thu	1427	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
133	7.490	05/01/17	Mon	0822	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
134	7.490	05/22/17	Mon	0707	Backed Into	0	0	1	Day	Dry	Improper Backing
135	7.490	06/16/17	Fri	0802	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
136	7.490	06/23/17	Fri	1623	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
137	7.490	07/31/17	Mon	1101	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
138	7.490	10/11/17	Wed	1007	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
139	7.490	11/14/17	Tue	1916	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
140	7.490	12/19/17	Tue	0928	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
141	7.492	01/30/17	Mon	1749	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
142	7.494	04/06/17	Thu	1438	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
143	7.496	05/12/17	Fri	1758	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
144	7.509	11/04/17	Sat	0227	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
144	0	29	115	79	0	26	14	1	11	1	1	0	4	0	2
Percent	0.00%	20.14%	79.86%	54.86%	0.00%	18.06%	9.72%	0.69%	7.64%	0.69%	0.69%	0.00%	2.78%	0.00%	1.39%
Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION:		87044000						STATE ROUTE:		976					
ROADWAY LIMITS:		From 300 Feet East of SW 57 Avenue to 300 Feet West of F						M.P. 6.267		TO 7.541		ENGINEER: CHOICE			
STUDY PERIOD:		FROM		1/ 2017		TO		12/ 2017		COUNTY: Miami-Dade					
No.	MILE POST	DATE	DAY	TIME	CRASH TYPE			FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)		
Total	115	29	18	126	84	28	3	4	0	1	0	0	0	1	0
<i>Percent</i>	<i>79.86%</i>	<i>20.14%</i>	<i>12.50%</i>	<i>87.50%</i>	<i>58.33%</i>	<i>19.44%</i>	<i>2.08%</i>	<i>2.78%</i>	<i>0.00%</i>	<i>0.69%</i>	<i>0.00%</i>	<i>0.00%</i>	<i>0.00%</i>	<i>0.69%</i>	<i>0.00%</i>
TOTAL ENTERING VEHICLES/ADT: 42,448								SEGMENT CRASH RATE: 7.295 CRASHES PER MILLION VEHICLE MILES							

State of Florida Department of Transportation

CRASH SUMMARY

SECTION: 87044000 STATE ROUTE: 976
 ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
 STUDY PERIOD: FROM 1/ 2018 TO 12/ 2018 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
1	6.301	01/06/18	Sat	1413	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
2	6.301	01/24/18	Wed	1055	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
3	6.330	12/18/18	Tue	2042	Rear-End	0	1	0	Night	Dry	Followed too Closely
4	6.334	02/05/18	Mon	1128	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
5	6.334	08/03/18	Fri	1226	Rear-End	0	2	0	Night	Dry	#N/A
6	6.335	06/03/18	Sun	2104	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
7	6.338	02/09/18	Fri	1216	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
8	6.338	10/05/18	Fri	2259	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
9	6.339	01/15/18	Mon	1837	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
10	6.339	06/29/18	Fri	1620	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
11	6.339	07/23/18	Mon	0847	Not Coded	0	3	0	Day	Dry	Careless or Negligent Manner
12	6.339	07/29/18	Sun	1130	Angle	0	0	1	Day	Wet	Other Contributing Action
13	6.339	08/24/18	Fri	0737	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
14	6.339	11/03/18	Sat	1325	Angle	0	1	0	Day	Dry	Ran Red Light
15	6.339	11/19/18	Mon	1518	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
16	6.339	12/31/18	Mon	2042	Left-Turn	0	0	1	Night	Dry	Improper Turn
17	6.343	03/09/18	Fri	1135	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
18	6.343	10/24/18	Wed	0849	Rear-End	0	0	1	Day	Dry	#N/A
19	6.348	03/17/18	Sat	0122	Rear-End	0	0	1	Night	Dry	Other Contributing Action
20	6.348	07/30/18	Mon	1428	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
21	6.358	02/22/18	Thu	0953	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
22	6.358	04/25/18	Wed	1455	Sideswipe	0	0	1	Day	Dry	Improper Passing
23	6.377	01/04/18	Thu	0824	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
24	6.377	11/20/18	Tue	1840	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
25	6.405	04/01/18	Sun	1947	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
26	6.460	09/28/18	Fri	0143	Rear-End	0	0	1	Night	Dry	#N/A
27	6.471	12/04/18	Tue	1831	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
28	6.480	08/30/18	Thu	1757	Angle	0	0	1	Day	Dry	Other Contributing Action
29	6.485	01/05/18	Fri	1604	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
30	6.485	06/24/18	Sun	1040	Tree (Standing)	0	1	0	Day	Dry	Ran Stop Sign
31	6.502	01/08/18	Mon	1933	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
32	6.517	01/16/18	Tue	1957	Sideswipe	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
33	6.580	01/18/18	Thu	1301	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
34	6.580	02/21/18	Wed	1207	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
35	6.589	02/08/18	Thu	1208	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
36	6.589	07/20/18	Fri	1253	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
37	6.597	01/23/18	Tue	1359	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
38	6.608	02/26/18	Mon	1225	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
39	6.617	07/20/18	Fri	1655	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
40	6.646	08/27/18	Mon	2157	Cargo/Equipment Loss or Shift	0	1	0	Night	Wet	Other Contributing Action
41	6.777	12/13/18	Thu	0707	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
42	6.806	01/19/18	Fri	1528	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
43	6.819	01/11/18	Thu	0832	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
44	6.824	06/29/18	Fri	1659	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
45	6.859	01/03/18	Wed	1756	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
46	6.867	05/15/18	Tue	1500	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
47	6.873	09/10/18	Mon	1408	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
48	6.883	07/16/18	Mon	1943	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
49	6.883	09/17/18	Mon	0850	Rear-End	0	0	1	Day	Dry	Followed too Closely
50	6.890	05/08/18	Tue	2125	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2018 TO 12/ 2018 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
51	6.891	02/28/18	Wed	2140	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
52	6.892	04/13/18	Fri	0915	Not Coded	0	0	1	Day	Dry	Careless or Negligent Manner
53	6.920	09/15/18	Sat	1116	Overturn/Rollover	0	0	1	Day	Dry	No Contributing Action
54	6.924	11/09/18	Fri	1708	Sideswipe	0	0	1	Day	Dry	Improper Turn
55	6.924	12/10/18	Mon	1217	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
56	6.926	10/06/18	Sat	1124	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
57	6.928	01/09/18	Tue	1331	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
58	6.964	11/16/18	Fri	2054	Guardrail End	0	0	1	Night	Dry	Failed To Keep In Proper Lane
59	6.983	09/07/18	Fri	1313	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
60	7.002	09/06/18	Thu	1058	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
61	7.002	11/02/18	Fri	1130	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
62	7.002	11/12/18	Mon	1605	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
63	7.007	03/17/18	Sat	1643	Sideswipe	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
64	7.012	06/13/18	Wed	0748	Angle	0	0	1	Day	Wet	Failed To Keep In Proper Lane
65	7.013	10/16/18	Tue	0907	Overturn/Rollover	0	0	1	Day	Dry	#N/A
66	7.015	10/03/18	Wed	1425	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
67	7.015	12/04/18	Tue	1845	Angle	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
68	7.017	04/02/18	Mon	1819	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
69	7.017	09/11/18	Tue	1258	Other Non-Fixed Object	0	0	1	Day	Dry	Other Contributing Action
70	7.021	01/01/18	Mon	1604	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
71	7.021	01/02/18	Tue	1912	Overturn/Rollover	0	1	0	Night	Wet	Failed to Yield Right-Of-Way
72	7.021	02/06/18	Tue	2037	Sideswipe	0	0	1	Night	Dry	Not Coded
73	7.021	02/24/18	Sat	0137	Sideswipe	0	0	1	Night	Dry	Careless or Negligent Manner
74	7.021	03/01/18	Thu	0836	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
75	7.021	05/02/18	Wed	1446	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
76	7.021	05/15/18	Tue	1600	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
77	7.021	06/07/18	Thu	1354	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
78	7.021	07/16/18	Mon	1723	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
79	7.021	09/04/18	Tue	1059	Rear-End	0	0	1	Day	Dry	Other Contributing Action
80	7.021	09/11/18	Tue	1029	Angle	0	0	1	Day	Dry	No Contributing Action
81	7.021	10/29/18	Mon	1221	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
82	7.021	11/29/18	Thu	0600	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
83	7.021	12/05/18	Wed	2242	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
84	7.021	12/24/18	Mon	1858	Sideswipe	0	0	1	Night	Dry	#N/A
85	7.025	12/25/18	Tue	0648	Rear-End	0	2	0	Night	Dry	Careless or Negligent Manner
86	7.026	05/02/18	Wed	1354	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
87	7.030	04/14/18	Sat	0531	Curb	0	0	1	Night	Dry	Careless or Negligent Manner
88	7.032	04/28/18	Sat	0845	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
89	7.040	04/09/18	Mon	0441	Tree (Standing)	0	1	0	Night	Dry	Careless or Negligent Manner
90	7.040	04/30/18	Mon	1730	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
91	7.049	10/21/18	Sun	1757	Overturn/Rollover	0	0	1	Day	Dry	Careless or Negligent Manner
92	7.059	02/03/18	Sat	1225	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
93	7.078	04/23/18	Mon	1800	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
94	7.116	06/08/18	Fri	0947	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
95	7.177	09/11/18	Tue	0644	Sideswipe	0	0	1	Day	Dry	Other Contributing Action
96	7.180	02/12/18	Mon	1616	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
97	7.180	09/25/18	Tue	1633	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
98	7.183	04/27/18	Fri	1530	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
99	7.185	02/25/18	Sun	1505	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
100	7.185	03/21/18	Wed	1555	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: **87044000** STATE ROUTE: **976**
ROADWAY LIMITS: **From 300 Feet East of SW 57 Avenue to 300 Feet West of F** M.P. **6.267** TO **7.541** ENGINEER: **CHOICE**
STUDY PERIOD: FROM **1/ 2018** TO **12/ 2018** COUNTY: **Miami-Dade**

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)												
101	7.185	05/01/18	Tue	0820	Angle	0	1	0	Day	Dry	Ran Stop Sign												
102	7.185	07/17/18	Tue	1534	Angle	0	0	1	Day	Dry	Careless or Negligent Manner												
103	7.185	10/08/18	Mon	1111	Overturn/Rollover	0	0	1	Day	Dry	Failed to Yield Right-Of-Way												
104	7.191	08/17/18	Fri	1652	Rear-End	0	0	1	Day	Dry	Improper Backing												
105	7.210	09/19/18	Wed	1119	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
106	7.236	01/18/18	Thu	1257	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way												
107	7.236	01/19/18	Fri	0755	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way												
108	7.236	07/05/18	Thu	0742	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way												
109	7.236	10/12/18	Fri	0931	Overturn/Rollover	0	0	1	Day	Dry	Failed to Yield Right-Of-Way												
110	7.274	02/02/18	Fri	1402	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
111	7.278	12/30/18	Sun	0821	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner												
112	7.299	05/21/18	Mon	1242	Left-Turn	0	2	0	Night	Wet	Failed to Yield Right-Of-Way												
113	7.299	12/22/18	Sat	1118	Angle	0	0	1	Day	Dry	Ran Stop Sign												
114	7.338	04/09/18	Mon	1431	Rear-End	0	0	1	Day	Dry	Other Contributing Action												
115	7.347	06/03/18	Sun	2119	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way												
116	7.395	03/28/18	Wed	0855	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
117	7.471	06/28/18	Thu	0929	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
118	7.479	04/27/18	Fri	1650	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner												
119	7.481	08/30/18	Thu	1718	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
120	7.482	03/07/18	Wed	0824	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
121	7.490	05/04/18	Fri	1552	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way												
122	7.490	07/04/18	Wed	1341	Angle	0	2	0	Day	Dry	Ran Stop Sign												
123	7.490	08/28/18	Tue	0838	Left-Turn	0	1	0	Day	Dry	Other Contributing Action												
124	7.490	10/16/18	Tue	1615	Overturn/Rollover	0	0	1	Day	Dry	Failed to Yield Right-Of-Way												
125	7.492	07/18/18	Wed	1153	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner												
126	7.528	08/08/18	Wed	1319	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner												
Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other								
126	0	21	105	67	0	15	11	2	14	0	0	0	4	0	2								
Percent	0.00%	16.67%	83.33%	53.17%	0.00%	11.90%	8.73%	1.59%	11.11%	0.00%	0.00%	0.00%	3.17%	0.00%	1.59%								
Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way								
Total	93	33	16	110	72	22	2	1	0	1	0	0	0	2	0								
Percent	73.81%	26.19%	12.70%	87.30%	57.14%	17.46%	1.59%	0.79%	0.00%	0.79%	0.00%	0.00%	0.00%	1.59%	0.00%								
TOTAL ENTERING VEHICLES/ADT:						42,448						SEGMENT CRASH RATE:						7.295 CRASHES PER MILLION VEHICLE MILES					

State of Florida Department of Transportation

CRASH SUMMARY

SECTION: 87044000 STATE ROUTE: 976
 ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
 STUDY PERIOD: FROM 1/ 2019 TO 12/ 2019 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
1	6.295	09/10/19	Tue	1830	Not Coded	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
2	6.319	10/16/19	Wed	1756	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
3	6.320	03/09/19	Sat	1110	Not Coded	0	0	1	Day	Dry	Careless or Negligent Manner
4	6.330	10/31/19	Thu	1501	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
5	6.333	06/19/19	Wed	2101	Rear-End	0	2	0	Night	Dry	Followed too Closely
6	6.333	08/19/19	Mon	1349	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
7	6.335	12/17/19	Tue	1828	Sideswipe	0	0	1	Night	Dry	Failed To Keep In Proper Lane
8	6.336	02/23/19	Sat	1057	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
9	6.336	04/24/19	Wed	1054	Angle	0	0	1	Day	Dry	No Contributing Action
10	6.338	04/18/19	Thu	0758	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
11	6.339	01/01/19	Tue	0240	Sideswipe	0	0	1	Night	Dry	#N/A
12	6.339	03/19/19	Tue	1048	Angle	0	5	0	Day	Wet	Other Contributing Action
13	6.339	03/28/19	Thu	1939	Angle	0	0	1	Night	Wet	Other Contributing Action
14	6.339	04/29/19	Mon	1916	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
15	6.339	05/07/19	Tue	1050	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
16	6.339	05/16/19	Thu	0756	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
17	6.339	05/18/19	Sat	1400	Left-Turn	0	0	1	Day	Dry	Improper Turn
18	6.339	05/22/19	Wed	2043	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
19	6.339	09/12/19	Thu	2012	Angle	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
20	6.339	09/17/19	Tue	1144	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
21	6.339	09/23/19	Mon	0954	Right-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
22	6.339	10/11/19	Fri	0904	Left-Turn	0	1	0	Day	Dry	Improper Turn
23	6.339	11/21/19	Thu	1523	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
24	6.339	12/20/19	Fri	1252	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
25	6.343	07/14/19	Sun	1558	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
26	6.343	09/18/19	Wed	1959	Rear-End	0	1	0	Night	Dry	Careless or Negligent Manner
27	6.347	10/21/19	Mon	1540	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
28	6.348	08/30/19	Fri	0931	Rear-End	0	0	1	Day	Dry	Followed too Closely
29	6.358	03/19/19	Tue	1541	Angle	0	0	1	Day	Wet	Other Contributing Action
30	6.358	06/24/19	Mon	0852	Angle	0	0	1	Day	Dry	Other Contributing Action
31	6.358	08/23/19	Fri	0814	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
32	6.377	08/13/19	Tue	1438	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
33	6.377	10/01/19	Tue	1742	Rear-End	0	2	0	Day	Dry	Careless or Negligent Manner
34	6.434	09/18/19	Wed	0910	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
35	6.460	03/11/19	Mon	1015	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
36	6.479	03/01/19	Fri	1137	Backed Into	0	0	1	Day	Dry	Improper Backing
37	6.488	03/28/19	Thu	1255	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
38	6.488	12/02/19	Mon	1902	Rear-End	0	2	0	Night	Dry	No Contributing Action
39	6.589	10/28/19	Mon	1938	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
40	6.668	11/04/19	Mon	1214	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
41	6.739	11/05/19	Tue	1636	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
42	6.787	12/19/19	Thu	1252	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
43	6.796	10/13/19	Sun	1425	Sideswipe	0	0	1	Day	Dry	Careless or Negligent Manner
44	6.806	06/28/19	Fri	1427	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
45	6.815	04/10/19	Wed	1402	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
46	6.815	12/12/19	Thu	1433	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
47	6.820	01/26/19	Sat	2147	Rear-End	0	0	1	Night	Wet	Careless or Negligent Manner
48	6.892	12/09/19	Mon	1120	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
49	6.911	12/28/19	Sat	1320	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
50	6.915	11/26/19	Tue	1520	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: 87044000 STATE ROUTE: 976
ROADWAY LIMITS: From 300 Feet East of SW 57 Avenue to 300 Feet West of F M.P. 6.267 TO 7.541 ENGINEER: CHOICE
STUDY PERIOD: FROM 1/ 2019 TO 12/ 2019 COUNTY: Miami-Dade

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
51	6.924	01/29/19	Tue	1721	Pedalcycle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
52	6.924	08/30/19	Fri	0910	Angle	0	0	1	Day	Wet	Ran Red Light
53	6.926	01/10/19	Thu	0752	Rear-End	0	0	1	Day	Dry	Followed too Closely
54	6.926	03/28/19	Thu	1417	Rear-End	0	2	0	Day	Wet	Careless or Negligent Manner
55	6.983	01/07/19	Mon	1538	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
56	7.002	01/12/19	Sat	1606	Angle	0	0	1	Day	Dry	Followed too Closely
57	7.002	02/09/19	Sat	1557	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
58	7.002	04/17/19	Wed	1824	Rear-End	0	1	0	Night	Dry	Failed to Yield Right-Of-Way
59	7.002	05/09/19	Thu	1535	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
60	7.002	08/05/19	Mon	1102	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
61	7.002	07/31/19	Wed	1531	Fell/Jumped from Motor Vehicle	0	0	1	Day	Dry	Other Contributing Action
62	7.002	09/12/19	Thu	1330	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
63	7.012	04/08/19	Mon	1202	Rear-End	0	1	0	Day	Dry	Careless or Negligent Manner
64	7.012	08/05/19	Mon	1442	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
65	7.015	10/18/19	Fri	1225	Rear-End	0	0	1	Day	Dry	Followed too Closely
66	7.016	05/04/19	Sat	1829	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
67	7.017	11/20/19	Wed	1817	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
68	7.019	02/04/19	Mon	0843	Sideswipe	0	0	1	Day	Dry	Improper Passing
69	7.019	08/02/19	Fri	2047	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
70	7.021	02/19/19	Tue	1258	Rear-End	0	0	1	Day	Dry	Improper Backing
71	7.021	02/20/19	Wed	1257	Angle	0	0	1	Day	Dry	#N/A
72	7.021	02/25/19	Mon	2007	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
73	7.021	03/05/19	Tue	0555	Angle	0	1	0	Night	Dry	Ran Red Light
74	7.021	03/26/19	Tue	2109	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
75	7.021	03/31/19	Sun	1722	Angle	0	1	0	Day	Dry	Other Contributing Action
76	7.021	05/02/19	Thu	1502	Not Coded	0	1	0	Day	Dry	Improper Passing
77	7.021	08/21/19	Wed	1445	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
78	7.021	09/14/19	Sat	1422	Angle	0	0	1	Day	Wet	No Contributing Action
79	7.021	09/14/19	Sat	1708	Left-Turn	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
80	7.021	09/18/19	Wed	1921	Left-Turn	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
81	7.021	10/25/19	Fri	1508	Angle	0	0	1	Day	Dry	Failed To Keep In Proper Lane
82	7.021	11/21/19	Thu	1055	Sideswipe	0	0	1	Day	Dry	#N/A
83	7.021	11/28/19	Thu	2007	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
84	7.021	12/16/19	Mon	1054	Left-Turn	0	3	0	Day	Dry	Failed to Yield Right-Of-Way
85	7.025	01/26/19	Sat	1134	Rear-End	0	0	1	Day	Wet	Careless or Negligent Manner
86	7.030	09/11/19	Wed	2107	Rear-End	0	0	1	Night	Dry	Careless or Negligent Manner
87	7.030	09/27/19	Fri	1304	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
88	7.035	09/16/19	Mon	1622	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
89	7.037	09/16/19	Mon	1607	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
90	7.040	05/31/19	Fri	0846	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
91	7.040	09/15/19	Sun	1725	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
92	7.059	05/02/19	Thu	1656	Sideswipe	0	0	1	Day	Dry	Failed To Keep In Proper Lane
93	7.059	05/04/19	Sat	1236	Sideswipe	0	1	0	Day	Dry	Careless or Negligent Manner
94	7.176	09/27/19	Fri	1730	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
95	7.185	01/29/19	Tue	1325	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
96	7.185	01/31/19	Thu	1443	Left-Turn	0	2	0	Day	Dry	Other Contributing Action
97	7.185	02/25/19	Mon	1840	Left-Turn	0	0	1	Night	Dry	Failed to Yield Right-Of-Way
98	7.185	04/18/19	Thu	0831	Angle	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
99	7.185	05/21/19	Tue	0724	Left-Turn	0	1	0	Day	Dry	Failed to Yield Right-Of-Way
100	7.185	08/23/19	Fri	0817	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way

**State of Florida Department of Transportation
CRASH SUMMARY**

SECTION: **87044000** STATE ROUTE: **976**
ROADWAY LIMITS: **From 300 Feet East of SW 57 Avenue to 300 Feet West of F** M.P. **6.267** TO **7.541** ENGINEER: **CHOICE**
STUDY PERIOD: FROM **1/ 2019** TO **12/ 2019** COUNTY: **Miami-Dade**

No.	MILE POST	DATE	DAY	TIME	CRASH TYPE	FATAL	INJURIES	PROP DAM	DAY / NIGHT	WET / DRY	CONTRIBUTING CAUSE (VEHICLE ONLY)
101	7.185	09/20/19	Fri	1943	Left-Turn	0	0	1	Night	Wet	Failed to Yield Right-Of-Way
102	7.185	10/09/19	Wed	1724	Angle	0	2	0	Day	Wet	Failed to Yield Right-Of-Way
103	7.189	07/04/19	Thu	1754	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
104	7.210	01/10/19	Thu	0832	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
105	7.236	01/19/19	Sat	1316	Angle	0	0	1	Day	Dry	Careless or Negligent Manner
106	7.274	11/04/19	Mon	1116	Rear-End	0	0	1	Day	Wet	Followed too Closely
107	7.288	02/12/19	Tue	0950	Angle	0	0	1	Day	Dry	Other Contributing Action
108	7.299	03/28/19	Thu	1740	Angle	0	0	1	Day	Wet	#N/A
109	7.333	07/11/19	Thu	1145	Rear-End	0	0	1	Day	Dry	Followed too Closely
110	7.347	04/24/19	Wed	1442	Angle	0	2	0	Day	Dry	Failed to Yield Right-Of-Way
111	7.347	12/05/19	Thu	1905	Not Coded	0	0	1	Night	Dry	#N/A
112	7.385	07/23/19	Tue	1708	Thrown or Falling Object	0	0	1	Day	Wet	No Contributing Action
113	7.486	04/29/19	Mon	1302	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
114	7.490	01/16/19	Wed	1047	Curb	0	0	1	Day	Dry	Careless or Negligent Manner
115	7.490	02/13/19	Wed	1601	Left-Turn	0	2	0	Day	Wet	Failed to Yield Right-Of-Way
116	7.490	04/11/19	Thu	1612	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
117	7.490	04/13/19	Sat	2118	Not Coded	0	0	1	Night	Dry	Improper Passing
118	7.490	05/19/19	Sun	2029	Angle	0	0	1	Night	Dry	Careless or Negligent Manner
119	7.490	06/02/19	Sun	2129	Angle	0	0	1	Night	Dry	Other Contributing Action
120	7.490	10/31/19	Thu	0814	Angle	0	0	1	Day	Dry	Failed to Yield Right-Of-Way
121	7.490	11/15/19	Fri	2314	Angle	0	0	1	Night	Wet	Ran Stop Sign
122	7.496	03/03/19	Sun	1100	Rear-End	0	5	0	Day	Dry	Careless or Negligent Manner
123	7.496	07/18/19	Thu	1306	Rear-End	0	0	1	Day	Dry	Careless or Negligent Manner
124	7.499	07/26/19	Fri	2039	Rear-End	0	3	0	Night	Wet	Careless or Negligent Manner

Total No.	Fatal	Injury	PDO	Rear-End	Head-On	Angle	Left-Turn	Right-Turn	Sideswipe	Backed Into	Ped/Bike	Parked Car	Fixed Object	Ran into Water	Other
124	0	32	92	59	0	27	17	1	10	1	1	0	1	0	5
Percent	0.00%	25.81%	74.19%	47.58%	0.00%	21.77%	13.71%	0.81%	8.06%	0.81%	0.81%	0.00%	0.81%	0.00%	4.03%
Contrib. Cause	Day	Night	Wet	Dry	Careless Driving	FTYRW	Improper Turn	Ran Red Light	Exceeded Speed	Improper Passing	Disreg Cntl Dev	Erratic/Aggress	Ran off Road	DUI	Wrong Way
Total	99	25	24	100	56	27	2	2	0	3	0	0	0	1	0
Percent	79.84%	20.16%	19.35%	80.65%	45.16%	21.77%	1.61%	1.61%	0.00%	2.42%	0.00%	0.00%	0.00%	0.81%	0.00%

TOTAL ENTERING VEHICLES/ADT: **42,448** SEGMENT CRASH RATE: **7.295** CRASHES PER MILLION VEHICLE MILES



Attachment E: Ped/Bike Count Data

9:00 - 10:00

AM

11/2/22

Justo - Abel
1904-TWO 49 Pedestrian Count



9:00 - 9:15	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserate St	Palmarito St	Segovia St	Riviera Dr
9:15 - 9:30													
9:30 - 9:45													
9:45 - 10:00			↓ B										

↓
2

13:00 - 14:00

MD

11/2/22

Justo - Abel
1904 - TWO 49 Pedestrian Count



Time	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserate St	Palmarito St	Segovia St	Riviera Dr
13:00 - 13:15													
13:15 - 13:30													
13:30 - 13:45		A B											
13:45 - 14:00													



14:00 - 15:00

MD

11/2/22

Justo - Abel
1904-TWB 49 Pedestrian Count



Time	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserate St	Palmarito St	Segovia St	Riviera Dr
14:00 - 14:15													
14:15 - 14:30		→	→						→				
14:30 - 14:45													
14:45 - 15:00		↓							↓	↓			

17:00 - 18:00

PM

11/12/22

Justo - Abel

1904-TWO 49 Pedestrian Count



SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserrate St	Palmarito St	Segovia St	Riviera Dr
17:00-17:15												
17:15-17:30	←											
17:30-17:45												
17:45-18:00								↓ B				

1:00 - 2:00 PM



1:00 PM - 1:15 PM	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserrate St	Palmarito St	Segovia St	Riviera Dr
1:15 PM - 1:30 PM													
1:30 PM - 1:45 PM													
1:45 PM - 2:00 PM													

8 →

7B

←

↑

2:00 - 3:00 PM



2:00 - 2:15	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserrate St	Palmarito St	Segovia St	Riviera Dr
2:15 - 2:30													
2:30 - 2:45													
2:45 - 3:00													



5:00 - 6:00 PM



Time	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserrate St	Palmarito St	Segovia St	Riviera Dr
5:00 - 5:15			↑										
5:15 - 5:30			↑										
5:30 - 5:45													
5:45 - 6:00		↑									←		

6:00 pm - 7:00 pm



6:00 - 6:15	SW 57th Ave	Alhambra Cir	San Amaro Dr	Pinta Ct	Santa Maria St	University Dr	Granada Blvd	Toledo St	Anderson Rd	Monserrate St	Palmarito St	Segovia St	Riviera Dr
6:15 - 6:30													
6:30 - 6:45													
6:45 - 7:00													



