



CITY OF DORAL
 PUBLIC WORKS DEPARTMENT
 8401 NW 53rd Terrace
 DORAL, FLORIDA 33166
 Ph. (305)593-6740
 Fax (305) 593-6617

WORK AUTHORIZATION FOR CONTRACTUAL SERVICES

TO: H & R Paving, Inc.
 1955 NW 110th Avenue
 Miami, FL 33172
 305-261-3005
 305-592-6079 FAX

DATE: February 22, 2018

WORK ORDER No. 18-01 (ITB #2016-43)

TOTAL AMOUNT: \$305,034.03 (Not to exceed)

PROJECT SCOPE OF WORK: The City of Doral authorizes the firm of H&R Paving, Inc. to proceed with milling, resurfacing, road striping, and sidewalk construction as per the attached roadway plan description, NW 109th Ave. from NW 86th St. to NW 90th St., NW 114th Ave. from S of NW 88th St. to NW 90th St., NW 88th St. from NW 114 Ave. to NW 112th Ave., St., NW 88th St. from NW 114th Pl. to NW 114th Ave., NW 114th Pl from NW 87th Ln. to NW 88th Ln., NW 88th Ln. from NW 115th Ct. to NW 114 Pl., NW 115th Ct. from NW 87th Ln. to NW 88th Ln., NW 87th Ln. from NW 115th Ct. to NW 114 Pl., NW 115th Pl. from NW 84th St. to NW 86th St., NW 84th St. from NW 115th Pl. to NW 115th Ct., NW 84th Ter. From NW 115th Pl. to NW 115th Ct., NW 86th St. from NW 115th Pl. to NW 115th Ct., NW 115th Ct. from NW 82th to NW 86th St., NW 82nd Ter. From NW 115th Ct. to NW 113th Ct., NW 113th Ct. from NW 82nd St. to NW 82nd Ter., NW 114th Pt. from NW 82nd St. to NW 83th Way, NW 116th Ave. from NW 82nd St. to NW 83 Way and NW 84th Ter. from NW 115th Ct. to NW 114th Ct.. Work is to be performed along the following road segments, NW , as provided by the City's Public Works Department, in accordance with the terms, conditions and specifications of the Contract Documents, (ITB#2016-43) "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvement" Agreement. All road construction and repairs will comply with Miami-Dade County Public Works Manual Part 2 Design and Construction Section 51, Limerock Base, Section 100, Prime and Tack Coats, Section 132, Asphaltic Concrete Binder Course, Section 133, Type S-1 Asphaltic Concrete Surface Course.

If Contractor fails to execute said Work Order in a timely manner and complete all work within 30 calendar days from the time this work order is executed. The City of Doral will be entitled to disqualify the Proposal, and revoke the award.

The performance of services associated with this Work Order will be executed on a 'Line Item' basis with a not to exceed amount of \$305,034.03, which includes a 10% contingency.

Contractor: H & R Paving, Inc.

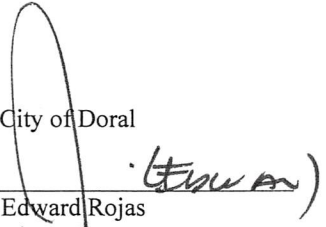
BY: _____
 NAME: Ale Rodriguez
 TITLE: J.P.

WITNESSES:

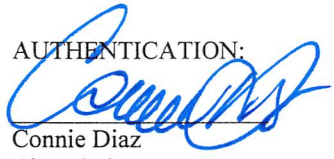
SEAL:

1. [Signature]
 2. _____

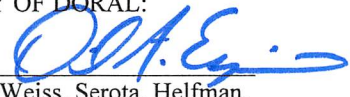
OWNER: City of Doral

BY: 
NAME: Edward Rojas
TITLE: City Manager

AUTHENTICATION:

BY: 
NAME: Connie Diaz
TITLE: City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY FOR THE SOLE USE
OF THE CITY OF DORAL:

BY: 
NAME: Weiss, Serota, Helfman,
Cole & Bierman, PL
TITLE: City Attorney

Item	Description	Unit	QTY	Unit Price	Cost
1	Mobilization-Demobilization (Emergency Repairs)(Includes dust control methods)	EA		\$ 1.00	\$ -
2	Maintenance of Traffic (Emergency Repairs)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA		\$ 1.00	\$ -
3	Mobilization-Demobilization (Milling and Resurfacing Projects)(Includes dust control methods)	EA	4	\$ 1.00	\$ 4.00
4	Maintenance of Traffic (Milling and Resurfacing Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	4	\$ 450.00	\$ 1,800.00
5	Mobilization-Demobilization (Pavement Marking and Signage Projects)(Scope of work: existing pavement marking removal, pavement markings, rpms, etc.)	EA	4	\$ 1.00	\$ 4.00
6	Maintenance of Traffic (Pavement Marking Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	4	\$ 1.00	\$ 4.00
7	Mobilization-Demobilization (Concrete Projects)(Includes dust control methods)(Scope of work: removal of existing concrete features, installation of new concrete features)	EA	3	\$ 1.00	\$ 3.00
8	Maintenance of Traffic (Concrete Projects)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA	3	\$ 450.00	\$ 1,350.00
9	Mobilization-Demobilization (Stormwater Improvements Project)(Includes dust control methods)(Scope of work: repairs of existing features, installation of new features)	EA		\$ 1.00	\$ -
10	Maintenance of Traffic (Stormwater Improvements Project)(Includes traffic control, pedestrian and vehicle access, signs, barricades, and flagger, as per FDOT Standards, lighting, and steel plates if required)	EA		\$ 450.00	\$ -
11	Remove existing Sidewalk (4" thick, 6" thick at driveways)(Includes removal of handicap ramps, meter/valve box adjustment, and disposal of materials)	SF	2,585	\$ 2.00	\$ 5,170.00
12	Construct new sidewalk (4" thick, 6" thick at driveway)(Includes cut and fill, sub-grade prep., ADA compliant handicap ramps, etc.)	SF	2,585	\$ 4.50	\$ 11,632.50
13	Curb Ramp Detectable Warning Surface (to install on ADA compliant curb ramp)	SF	96	\$ 25.00	\$ 2,400.00
14	Root pruning under existing sidewalk (Perpendicular length of sidewalk)(Includes disposal of material)	LF	100	\$ 1.00	\$ 100.00
15	Remove Existing Curb & Gutter, Valley Gutter, Traffic Separator (Includes Disposal of Material)	LF	135	\$ 5.00	\$ 675.00
16	Construct Concrete Traffic Separator	SF		\$ 10.00	\$ -
17	Construct New Type A Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 10.00	\$ -
18	Construct New Type B Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 10.00	\$ -
19	Construct New Type D Concrete Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 25.00	\$ -
20	Construct New Type E Median Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 25.00	\$ -
21	Construct New Type F Curb & Gutter (as per FDOT Standards)(Includes sub-grade material and prep.)	LF		\$ 30.00	\$ -
22	Construct New Drop Curb (as per FDOT Standards)(Includes sub-grade material and prep.)	LF	135	\$ 10.00	\$ 1,350.00
23	Grading of Grass Swale Area	SF		\$ 0.50	\$ -
24	Removal of Existing Drainage Structure (Includes removal and disposal of material)	EA		\$ 500.00	\$ -
25	Installation of Type P Drainage Structure	EA		\$ 3,500.00	\$ -
26	Furnish and Install Exfiltration Trench - 18" Perforated HDPE Pipe (4' wide trench)(Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 100.00	\$ -
27	Furnish and Install Exfiltration Trench - 24" Perforated HDPE Pipe (4' wide trench)(Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 110.00	\$ -
28	Furnish and Install 15" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)			\$ 50.00	\$ -
29	Furnish and Install 18" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 50.00	\$ -
30	Furnish and Install 24" Solid-Wall HDPE Pipe (Includes asphalt removal, excavation, backfill, sub-grade backfill material, lime rock base, disposal of excess, and trench temporary restoration)	LF		\$ 50.00	\$ -
31	Core Drill, Tie & Seal to Existing Drainage Structure	EA		\$ 200.00	\$ -
32	Furnish and Install Pollution Baffles / Skimmer	EA		\$ 200.00	\$ -

33	Furnish and Install Sediment Barrier (Silt Fence)	LF		\$ 1.00	\$ -
34	Adjust Manhole	EA	69	\$ 1.00	\$ 69.00
35	Adjust Valve Boxes	EA	48	\$ 1.00	\$ 48.00
36	Seal Existing Pipe Connections	EA		\$ 50.00	\$ -
37	Flowable Fill	CY		\$ 150.00	\$ -
38	Regular Excavation	CY		\$ 1.00	\$ -
39	Embankment	CY		\$ 1.00	\$ -
40	Type B Stabilization	CY		\$ 2.00	\$ -
41	Rework Limerock Base, 3"	SY		\$ 2.00	\$ -
42	Optional Base, Base Group 6	SY		\$ 18.00	\$ -
43	Optional Base, Base Group 11	CY		\$ 20.00	\$ -
44	Coral Rock Limerock LBR 40	TN		\$ 20.00	\$ -
45	Milling Existing Asphalt Pavement, 1" Ave. Depth	SY	28,392	\$ 2.00	\$ 56,784.00
46	Milling Existing Asphalt Pavement, 2" Ave. Depth	SY		\$ 0.50	\$ -
47	Asphalt Leveling Course	TN		\$ 80.00	\$ -
48	Superpave Asphaltic Concrete, Traffic B, SP-9.5	TN	1,562	\$ 110.50	\$ 172,601.00
49	2" S-3 Bituminous Overlay	TN		\$ 100.00	\$ -
50	Exploratory Excavation: JD310 or Equal w/Operator	HR		\$ 40.00	\$ -
51	Exploratory Excavation: JD310 or Equal w/Operator	CY		\$ 1.00	\$ -
52	Exploratory Excavation: 2-man Labor Crew	HR		\$ 40.00	\$ -
53	Exploratory Excavation: 2-man Labor Crew	CY		\$ 1.00	\$ -
54	Furnish and Install Sod	SY		\$ 5.00	\$ -
55	Tree Relocation Specimen (Tree Trunk diameter < 12 in., DBH)	EA		\$ 850.00	\$ -
56	Tree Relocation Specimen (Tree Trunk diameter > 12 in., DBH)	EA		\$ 1,500.00	\$ -
57	Existing Thermoplastic Striping/Markings Removal	SF		\$ 2.40	\$ -
58	Retro-reflective Pavement Markers (yellow)	EA	448	\$ 3.60	\$ 1,612.80
59	Retro-reflective Pavement Markers (white)	EA	54	\$ 3.60	\$ 194.40
60	Retro-reflective Pavement Markers (blue)	EA	20	\$ 3.60	\$ 72.00
61	Painted Pavement Marking, Standard, White, Solid, 6"	EA	3,510	\$ 0.24	\$ 842.40
62	Painted Pavement Marking, Standard, White, Solid, 8"	EA		\$ 0.96	\$ -
63	Painted Pavement Marking, Standard, White, Solid, 12"	LF	848	\$ 0.96	\$ 814.08
64	Painted Pavement Marking, Standard, White, Solid, 18"	LF	141	\$ 1.20	\$ 169.20
65	Painted Pavement Marking, Standard, White, Solid, 24"	LF	646	\$ 1.20	\$ 775.20
66	Painted Pavement Marking, Standard, White, Skip, 6" (10'-30')	LF	220	\$ 0.24	\$ 52.80
67	Painted Pavement Marking, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	90	\$ 0.24	\$ 21.60
68	Painted Pavement Markings, Standard, White, Message	EA	3	\$ 36.00	\$ 108.00
69	Painted Pavement Markings "SHARROW" and Bicycle Pavement Markings	EA		\$ 360.00	\$ -
70	Painted Pavement Markings, Standard, White, Arrow	EA	7	\$ 24.00	\$ 168.00
71	Painted Pavement Marking, Standard, Yellow, Solid, 6"	LF	7,996	\$ 0.24	\$ 1,919.04
72	Painted Pavement Marking, Standard, Yellow, Solid, 18"	LF	198	\$ 0.96	\$ 190.08
73	Painted Pavement Marking, Standard, Yellow, Skip, 6" (10'-30')	LF	190	\$ 0.24	\$ 45.60
74	Painted Pavement Marking, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.20	\$ -
75	Thermoplastic, Standard, White, Solid, 6"	LF	3,510	\$ 0.84	\$ 2,948.40
76	Thermoplastic, Standard, White, Solid, 8"	LF		\$ 1.20	\$ -
77	Thermoplastic, Standard, White, Solid, 12"	LF	848	\$ 2.04	\$ 1,729.92
78	Thermoplastic, Standard, White, Solid, 18"	LF	141	\$ 3.60	\$ 507.60
79	Thermoplastic, Standard, White, Solid, 24"	LF	646	\$ 3.60	\$ 2,325.60
80	Thermoplastic, Standard, White, Skip, 6" (10'-30')	LF	220	\$ 0.84	\$ 184.80
81	Thermoplastic, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	90	\$ 1.14	\$ 102.60
82	Thermoplastic, Standard, White, Message	EA	3	\$ 144.00	\$ 432.00
83	Thermoplastic "SHARROW" and Bicycle Pavement Markings	EA		\$ 360.00	\$ -
84	Thermoplastic, Standard, White, Arrow	EA	7	\$ 72.00	\$ 504.00
85	Thermoplastic, Standard, Yellow, Solid, 6"	LF	7,996	\$ 0.84	\$ 6,716.64
86	Thermoplastic, Standard, Yellow, Solid, 18"	LF	198	\$ 3.60	\$ 712.80
87	Thermoplastic, Standard, Yellow, Skip, 6" (10'-30')	LF	190	\$ 0.84	\$ 159.60
88	Thermoplastic, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.14	\$ -
89	Reflective Paint (Island Nose) Yellow	SF		\$ 2.40	\$ -
90	Patterned Pavement, Vehicular Areas - Green Bike Lane (FDOT Item No. 0523-1-3)	SY		\$ 30.25	\$ -
91	Single Sign Post, F&I	EA		\$ 360.00	\$ -
92	Replace Existing Traffic Loop	EA		\$ 1,800.00	\$ -
93	Off-Duty Police Officer	HR		\$ 60.00	\$ -

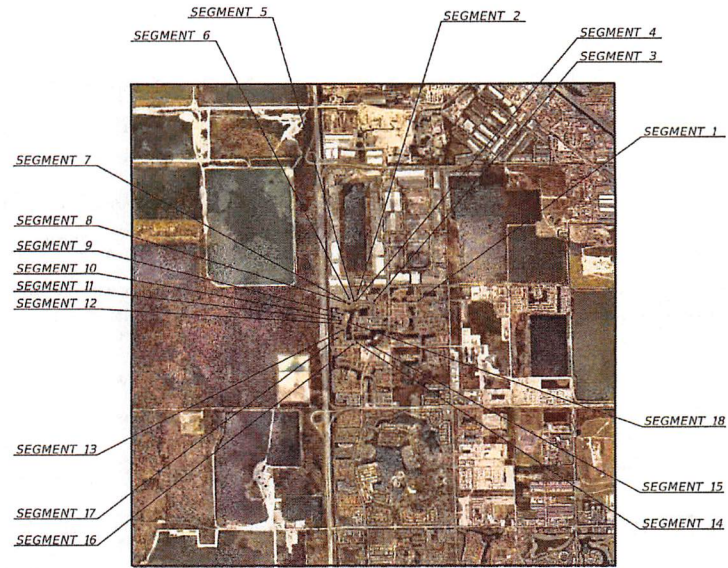
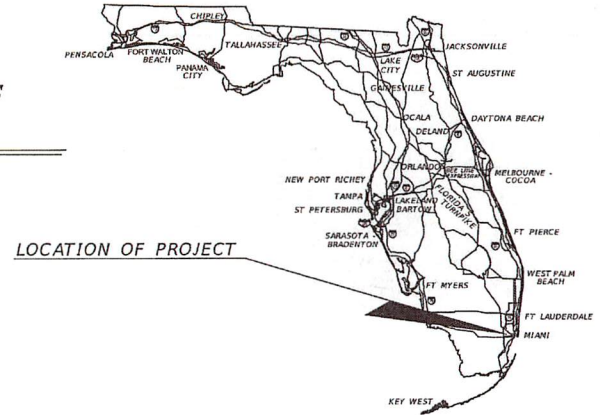
Subtotal	\$ 277,303.66
10% Contingency	\$ 27,730.37
Total	\$ 305,034.03

CITY OF DORAL 2018 ROADWAY RESURFACING PROJECTS CONTRACT PLANS

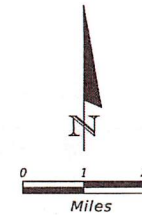
MIAMI-DADE COUNTY

INDEX OF ROADWAY PLAN DESCRIPTION

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15	SEGMENT 18 NW 84TH TER FROM NW 115 CT TO NW 114 CT



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.



CITY COUNCIL

MAYOR
JUAN CARLOS BERMUDEZ

VICE MAYOR
ANA MARIA RODRIGUEZ

COUNCILMAN
PETE CABRERA

COUNCILWOMAN
CLAUDIA MARIACA

COUNCILWOMAN
CHRISTI FRAGA

PLANS PREPARED FOR

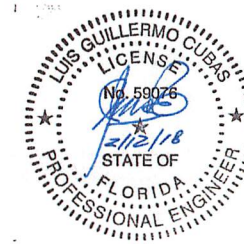
CITY OF DORAL

BY

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
359 ALHAMBRA CIRCLE - SUITE 1400
CORAL GABLES, FLORIDA 33134
PHONE (305) 673-2025

CERTIFICATE OF AUTHORIZATION NO. 696



ENGINEER OF RECORD:

LUIS G. CUBAS, P.E.
FLORIDA REGISTRATION P.E. No. 59076

Always call 811 two full business days before you dig



SHEET NO.

1

GENERAL NOTES

1. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

2. UTILITY OWNERS:

UTILITY OWNERS	PHONE NO.
AT&T DISTRIBUTION	561-997-0240
COMCAST CABLE	954-447-8405
CROWN CASTLE FIBER	786-610-7073
CUSHMAN & WAKEFIELD	305-805-3006
FLORIDA CITY GAS	305-835-3650
FLORIDA POWER AND LIGHT-DADE	386-586-6403
HOTWIRE COMMUNICATIONS	954-643-3203
LEVEL 3 COMMUNICATIONS	877-366-9344, Ext. 2
MIAMI-DADE COUNTY PUBLIC WORK AND TRAFFIC	305-412-0891, Ext. 201
MIAMI-DADE WATER AND SEWER	786-268-5320

3. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA OF WORK AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

4. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO STARTING WORK.

6. CONTRACTOR SHALL BE ADVISED THAT EXISTING UNDERGROUND AND ABOVEGROUND UTILITIES ARE NOT SHOWN ON PLANS.

7. THE CONTRACTOR IS ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITIES WITHIN THE PROJECT LIMITS WHICH MAY RESULT IN A LIMITED VERTICAL CLEARANCE FOR THE CONTRACTOR'S EQUIPMENT AND OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY EQUIPMENT OR MAKING THE NECESSARY ADJUSTMENTS TO HIS OPERATIONS IN ORDER TO CONSTRUCT THE PROJECT WITHIN CLEARANCE LIMITATIONS.

8. ALL EXISTING FENCES ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY FENCES, DAMAGED BY THE CONTRACTOR AT ANY TIME DURING CONSTRUCTION MUST BE REPLACED OR REPAIRED AT NO ADDITIONAL COST TO THE CITY.

9. ALL EXISTING PAVERS AND CONCRETE HEADER BANDS ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY PAVERS OR HEADER BANDS DAMAGED BY THE CONTRACTOR AT ANY TIME DURING CONSTRUCTION MUST BE REPLACED OR REPAIRED AT NO ADDITIONAL COST TO THE CITY.

10. ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED. CONTRACTOR IS TO USE CAUTION NOT TO DAMAGE ANY TREES OR PALMS, WITHIN CONSTRUCTION LIMITS. ANY TREE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.

11. ALL PULL BOXES, MANHOLES, VALVE BOXES ETC., SHALL BE ADJUSTED MEETING THE UTILITY OWNER'S REQUIREMENTS / CRITERIA. CONTRACTOR SHALL COORDINATE ALL THIS WORK WITH PRIOR NOTICES TO THE UTILITY OWNER. ALL COSTS SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEM FOR THE WORK BEING DONE.

12. IN AREAS WHERE NEW ASPHALT PAVEMENT IS MATCHING EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT AND PROVIDE A SMOOTH TRANSITION (INCLUDING ALL DRIVEWAYS).

13. THE CONTRACTOR SHALL INSTALL BLUE RPMS IN THE CENTER OF THE TRAVEL LANE IN FRONT OF FIRE HYDRANTS.

14. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.

15. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED.

EROSION AND SEDIMENTATION CONTROL NOTES:

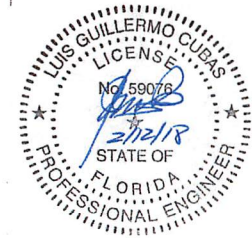
1. TEMPORARY SEDIMENTATION CONTROL DEVICES, SUCH AS INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS SHALL BE INSTALLED AROUND INLETS BEFORE COMMENCEMENT OF WORK AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. SEDIMENT BARRIERS SHALL BE INSTALLED AT ALL CONSTRUCTION BOUNDARIES WHERE STORMWATER RUNOFF HAS THE POTENTIAL TO REACH SURFACE WATERS OR OFFSITE STORMWATER COLLECTION FACILITIES.

2. THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN ORDERLY, CONSTRUCTION SITE.

3. DUST RESULTING FROM PROPOSED MILLING ACTIVITIES SHALL BE PREVENTED FROM INTRUSION INTO THE STORM WATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES SUCH AS STREET SWEEPING AND / OR TRUCK WATERING MUST BE RETAINED ON SITE OR PERFORMED AT THE END OF EACH WORK DAY. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENT SHALL BE AVOIDED.

4. ALL COSTS FOR EROSION AND SEDIMENTATION CONTROL SHALL BE INCLUDED IN THE ASSOCIATED PAY ITEM FOR THE WORK BEING DONE.

Always call 811 two full business days before you dig



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

KimleyHorn
 Certificate of Authorization No. 696
 Luis G. Cubas, P.E.
 P.E. License No. 59076
 355 Alhambra Circle - Suite 1400
 Miami, Florida 33134

CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

GENERAL NOTES

SHEET NO.
 2

TABULATION OF QUANTITIES

BID ITEM NO.	DESCRIPTION	UNIT	SEGMENT 1		SEGMENT 2		SEGMENT 3		SEGMENT 4-SEGMENT 8		SEGMENT 9-SEGMENT 13		SEGMENT 13		SEGMENT 13-SEGMENT 14		TOTAL THIS SHEET	
			SHEET 5		SHEET 6		SHEET 7		SHEET 8		SHEET 9		SHEET 10		SHEET 11		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	4998		2970		3144		3662		4048		1542		1915		22279	
2	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	274.9		163.4		172.9		201.4		222.6		84.8		105.3		1225	
3	RETRO-REFLECTIVE PAVT. MARKERS (YELLOW)	EA	158		46		6		76		56				16		358	
4	RETRO-REFLECTIVE PAVT. MARKERS (WHITE)	EA	49		5												54	
5	RETRO-REFLECTIVE PAVT. MARKERS (BLUE)	EA	2		4		2		3		2		2		1		16	
6	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	GM	0.525		0.012				0.158								0.695	
7	THERMOPLASTIC, STD, WHITE, SOLID, 12"	LF	119		104		267		92		174						756	
8	THERMOPLASTIC, STD, WHITE, SOLID, 18"	LF	100		41												141	
9	THERMOPLASTIC, STD, WHITE, SOLID, 24"	LF	23		92		269		30		53				65		532	
10	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.167														0.167	
11	THERMOPLASTIC, STD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXT, 6"	GM	0.042														0.042	
12	THERMOPLASTIC, STD, WHITE, MESSAGE	EA	1		1		1										3	
13	THERMOPLASTIC, STD, WHITE, PAVT. ARROWS	EA	6		1												7	
14	THERMOPLASTIC, STD, YELLOW, SOLID, 6"	GM	0.320		0.171		0.038		0.266		0.294				0.075		1.164	
15	THERMOPLASTIC, STD, YELLOW, SOLID, 18"	LF	198														198	
16	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.804		0.060												0.864	
17	MANHOLE, ADJUST	EA	9		6		9		15		10		3		5		57	
18	VALVE BOXES, ADJUST	EA	9		3		14		6		8		1		2		43	

17.18: ONLY ONE PAYMENT SHALL BE MADE PER FACILITY TO BE ADJUSTED. PRICE AND PAYMENT FOR EACH UNIT INCLUDES COST OF ALL ADJUSTMENTS REQUIRED FOR THE PROPER CONSTRUCTION OF THE PROJECT. VALVE BOXES AND MANHOLES SHALL BE ADJUSTED WHENEVER THEY ARE 1/4" OR MORE ABOVE OR BELOW THE PAVEMENT FINAL GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING MEASUREMENTS ON ALL MANHOLES / VALVES BOXES WITHIN PAVING LIMITS. COST OF THE MEASURING IS INCLUDED IN ASPHALT COURSE PAY ITEMS. THE MEASUREMENTS SHALL BE MADE PRIOR TO MILLING BETWEEN 10FT. STRAIGHTEDGE, PLACED ON THE TOP OF THE MANHOLE / VALVE BOX, AND THE EXISTING PAVEMENT. THE QUANTITY TABULATION(S) SUMMARIZE MANHOLES / VALVE BOXES OWNED BY THE UTILITY AGENCY / OWNER THAT HAVE BEEN IDENTIFIED WITHIN THE PROJECT; HOWEVER, THE ACTUAL NUMBER TO BE ADJUSTED WILL BE AS APPROVED BY THE ENGINEER.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Kimley»Horn
 Certificate of Authorization No. 696
 Luis G. Cubas, P.E.
 P.E. License No. 59076
 355 Alhambra Circle - Suite 1400
 Miami, Florida 33134

CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

TABULATION OF QUANTITIES

SHEET NO.
 3

TABULATION OF QUANTITIES

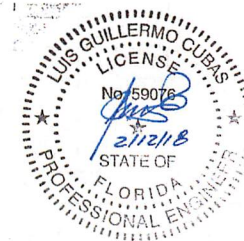
BID ITEM NO.	DESCRIPTION	UNIT	SEGMENT 14 - SEGMENT 15		SEGMENT 16		SEGMENT 17		SEGMENT 18		TOTAL THIS SHEET		TOTAL	
			SHEET 12		SHEET 13		SHEET 14		SHEET 15		PLAN	FINAL	PLAN	*ADDITIONAL QUANTITY
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	1672		1259		1624		1058		5613		30681	2789
2	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	92.0		69.2		89.3		58.2		308.7		1687.5	153
3	RETRO-REFLECTIVE PAVT. MARKERS (YELLOW)	EA	14		16		20		20		70		471	43
4	RETRO-REFLECTIVE PAVT. MARKERS (WHITE)	EA									0		59	5
5	RETRO-REFLECTIVE PAVT. MARKERS (BLUE)	EA	1				2		1		4		22	2
6	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	GM									0.000		0.765	0.070
7	THERMOPLASTIC, STD, WHITE, SOLID, 12"	LF									0		832	76
8	THERMOPLASTIC, STD, WHITE, SOLID, 18"	LF									0		155	14
9	THERMOPLASTIC, STD, WHITE, SOLID, 24"	LF	18		21		21		30		90		684	62
10	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM									0.000		0.184	0.017
11	THERMOPLASTIC, STD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXT, 6"	GM									0.000		0.046	0.004
12	THERMOPLASTIC, STD, WHITE, MESSAGE	EA									0		3	0
13	THERMOPLASTIC, STD, WHITE, PAVT. ARROWS	EA									0		8	1
14	THERMOPLASTIC, STD, YELLOW, SOLID, 6"	GM	0.061		0.099		0.073		0.140		0.373		1.691	0.154
15	THERMOPLASTIC, STD, YELLOW, SOLID, 18"	LF									0		218	20
16	THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM									0.000		0.950	0.086
17	MANHOLE, ADJUST	EA	5		1		4		2		12		76	7
18	VALVE BOXES, ADJUST	EA	1		3				1		5		53	5

* ADDITIONAL QUANTITIES HAVE BEEN INCLUDED IN THE TOTAL QUANTITY AMOUNT AND ARE INCLUDED AS CONTINGENCY TO BE USED AS DIRECTED BY THE ENGINEER

17, 18: ONLY ONE PAYMENT SHALL BE MADE PER FACILITY TO BE ADJUSTED. PRICE AND PAYMENT FOR EACH UNIT INCLUDES COST OF ALL ADJUSTMENTS REQUIRED FOR THE PROPER CONSTRUCTION OF THE PROJECT. VALVE BOXES AND MANHOLES SHALL BE ADJUSTED WHENEVER THEY ARE 1/4" OR MORE ABOVE OR BELOW THE PAVEMENT FINAL GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING MEASUREMENTS ON ALL MANHOLES / VALVES BOXES WITHIN PAVING LIMITS. COST OF THE MEASURING IS INCLUDED IN ASPHALT COURSE PAY ITEMS.

THE MEASUREMENTS SHALL BE MADE PRIOR TO MILLING BETWEEN 10FT. STRAIGHTEDGE, PLACED ON THE TOP OF THE MANHOLE / VALVE BOX, AND THE EXISTING PAVEMENT.

THE QUANTITY TABULATION(S) SUMMARIZE MANHOLES / VALVE BOXES OWNED BY THE UTILITY AGENCY / OWNER THAT HAVE BEEN IDENTIFIED WITHIN THE PROJECT; HOWEVER, THE ACTUAL NUMBER TO BE ADJUSTED WILL BE AS APPROVED BY THE ENGINEER.



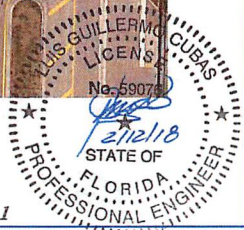
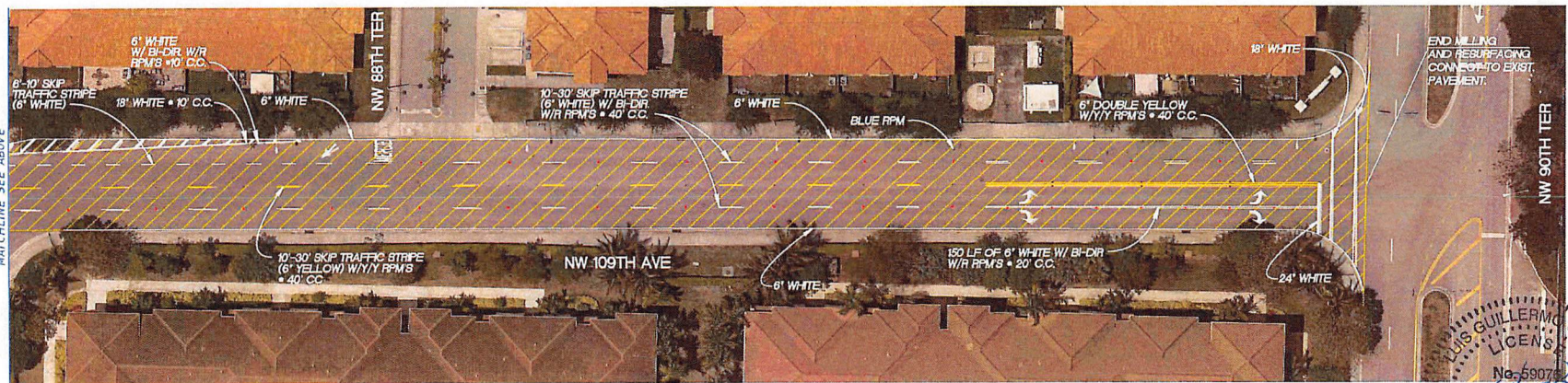
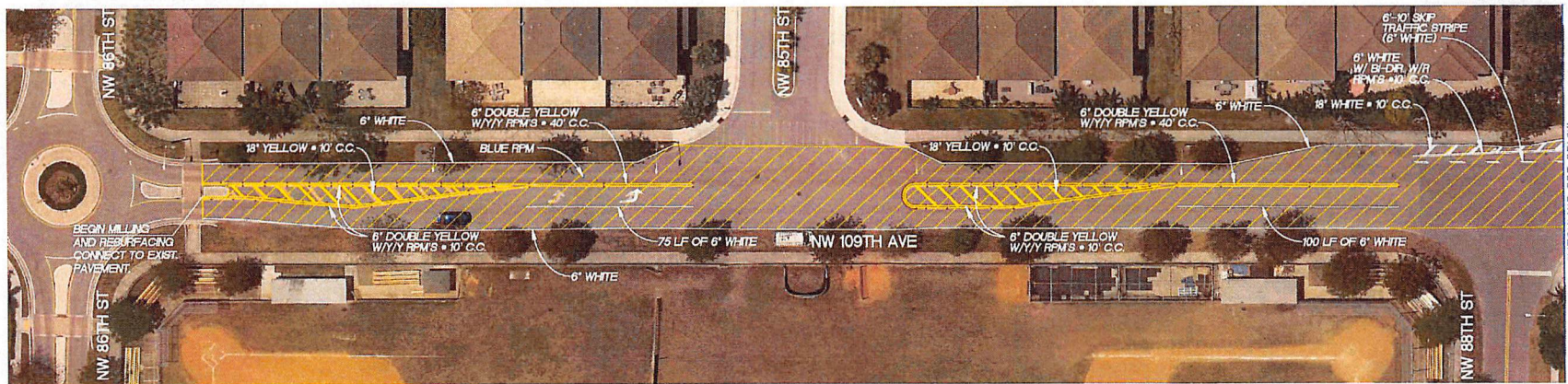
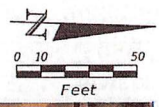
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 Miami, Florida 33134

CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

TABULATION OF QUANTITIES

SHEET NO.
 4



NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF FOOT STANDARD PLANS 102 SERIES AND THE MUTCD.

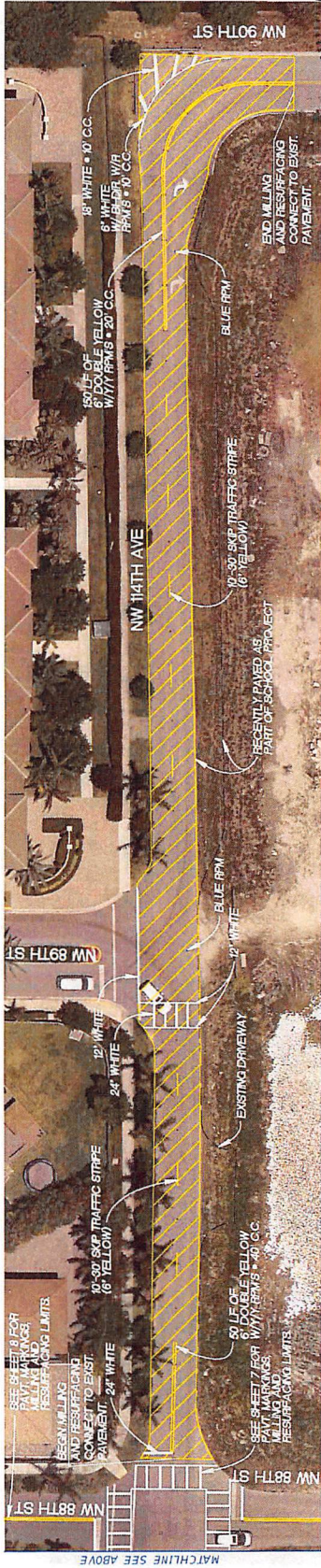
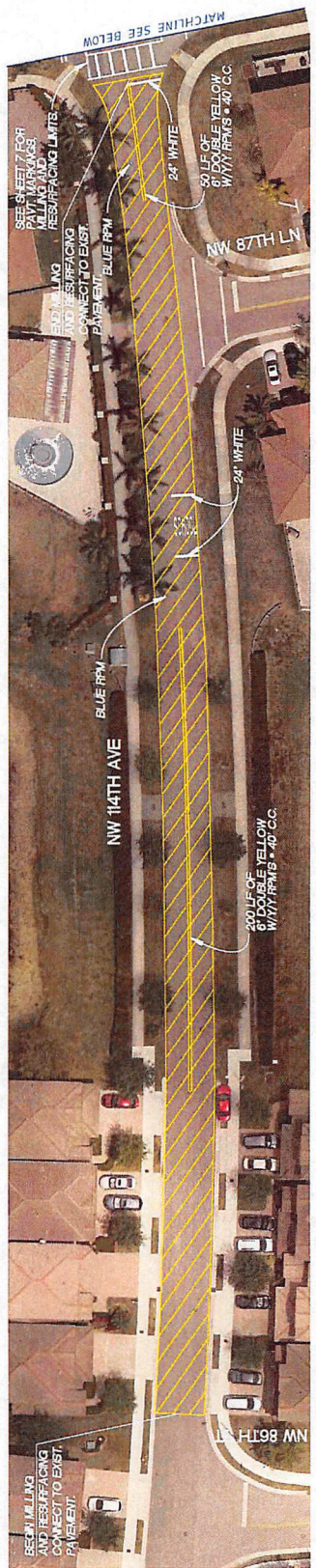
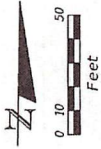
LEGEND:

3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FDOT STANDARD PLANS NO. 711-001 AND 706-001.

DENOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5

SEGMENT 1

REVISIONS				Certificate of Authorization No. 696 Luis G. Cubas, P.E. P.E. License No. 59076 355 Alhambra Circle - Suite 1400 Miami, Florida 33134	CITY OF DORAL 2018 ROADWAY RESURFACING PROJECTS	NW 109TH AVE FROM NW 86 ST TO NW 90 ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				5



- NOTES:**
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT
 2. APPROVED M.O.T. PLANS SHALL BE REQUIRED AND THE WORKED IS BEING PERFORMED IN ACCORDANCE WITH FOOT STANDARD PLANS 102 SERIES AND THE MUTCD.
 3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 4. MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS 102-1001 AND 706-001.

LEGEND:



DEMOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5



SEGMENT 2

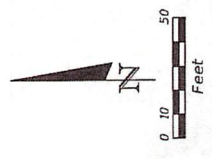
**NW 114TH AVE
FROM S OF NW 88 ST TO NW 90 ST**

**CITY OF DORAL
2018 ROADWAY RESURFACING PROJECTS**

Kimley-Horn
Certificate of Authorization No. 696
Luis G. Cubas, P.E. 59076
355 Alhambra Circle - Suite 1400
Miami, Florida 33134

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

PROFESSIONAL ENGINEER NO. 6



- LEGEND:**
- 1. DENOTES LIMITS OF 1" MILLING AND RESURFACING OF EXISTING ASPHALTIC CONCRETE, TRAFFIC B, SF-6-0.
- NOTES:**
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. APPROVED M.O.T. PLANS SHALL BE REQUIRED AND THE WORK SHALL BE IN ACCORDANCE WITH FOOT STANDARD PLANS 102 SERIES AND THE M.O.T.C.
 3. PAVEMENT WIDTHS SHALL VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK.
 4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS NO. 711-001 AND 706-001.



SEGMENT 3

**NW 88TH ST
FROM NW 114 AVE TO NW 112 AVE**

SHEET NO. 7

CITY OF DORAL
2018 ROADWAY RESURFACING PROJECTS

Kimley-Horn
Certificate of Authorization No. 696
Luis G. Cubas, P.E.
P.E. License No. 59076 1400
355 Alhambra, Miami, Florida 33134

REVISIONS	
DATE	DESCRIPTION

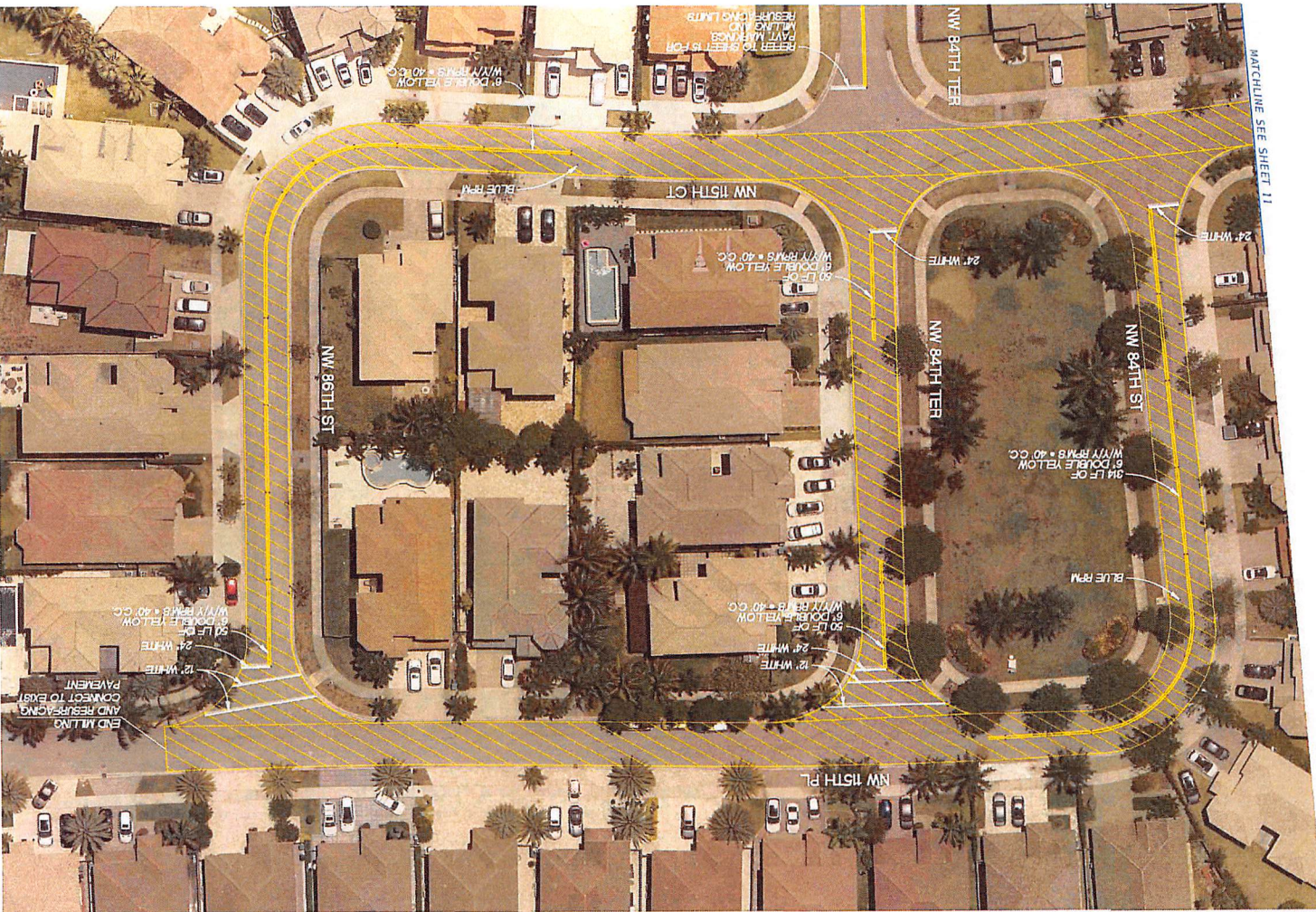
DATE	DESCRIPTION	REVISIONS

Kimley-Horn
 Certificate of Authorization No. 996
 Luis G. Cuevas, P.E.
 P.E. License No. 59076
 355 Alhambra Circle - Suite 1400
 Miami, Florida 33134

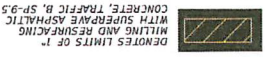
CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

SHEET NO. 9
 NW 115TH PL FROM NW 84 ST TO NW 86 ST
 NW 84TH ST FROM NW 115 PL TO NW 116 CT
 NW 87TH TER FROM NW 116 PL TO NW 116 CT
 NW 86TH ST FROM NW 116 PL TO NW 116 CT
 NW 115TH CT FROM NW 82 ST TO NW 86 ST

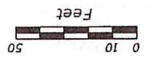
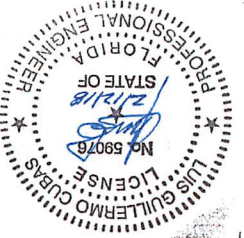
SEGMENT 9 - SEGMENT 13

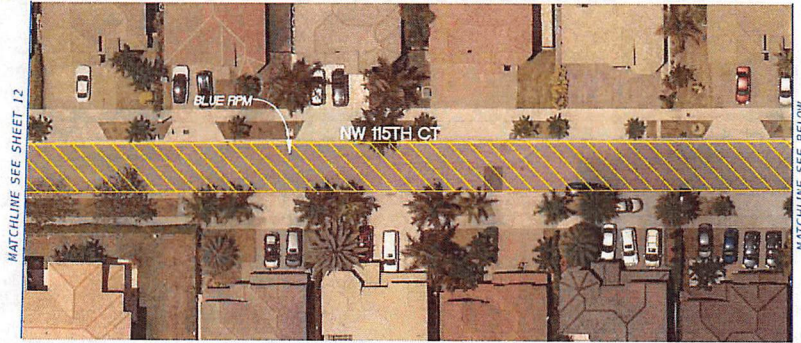
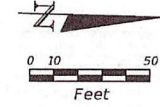


- NOTES:**
- CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 - APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF FOOT STANDARD PLANS 102 SERIES AND THE MUTCD.
 - THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS NO. 711-001 AND 706-001.



LEGEND:





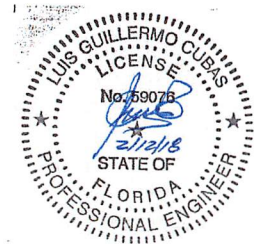
NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF FOOT STANDARD PLANS 102 SERIES AND THE MUTCD.
3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS NO. 711-001 AND 706-001.

LEGEND:



DENOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5



SEGMENT 15

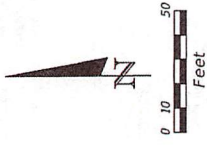
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

NW 115TH CT
 FROM NW 82 ST TO NW 86 ST

SHEET NO.
 10



MATCHLINE SEE SHEET 11



NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED MOT. PLANS SHALL BE REQUIRED AND SHALL CONFORM TO THE LATEST EDITION OF FDOT STANDARD PLANS 102 SERIES AND THE MUTCD.
3. THE CONTRACTOR SHALL VERIFY ALL LIMITS OF WORK BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKINGS TO CONFORM TO FDOT STANDARD PLANS 102, 711-001 AND 706-001.

LEGEND:



DEFINES LIMITS OF MILLING AND RESURFACING OF SURFACE ASPHALTIC CONCRETE, TRAFFIC B, SP-93



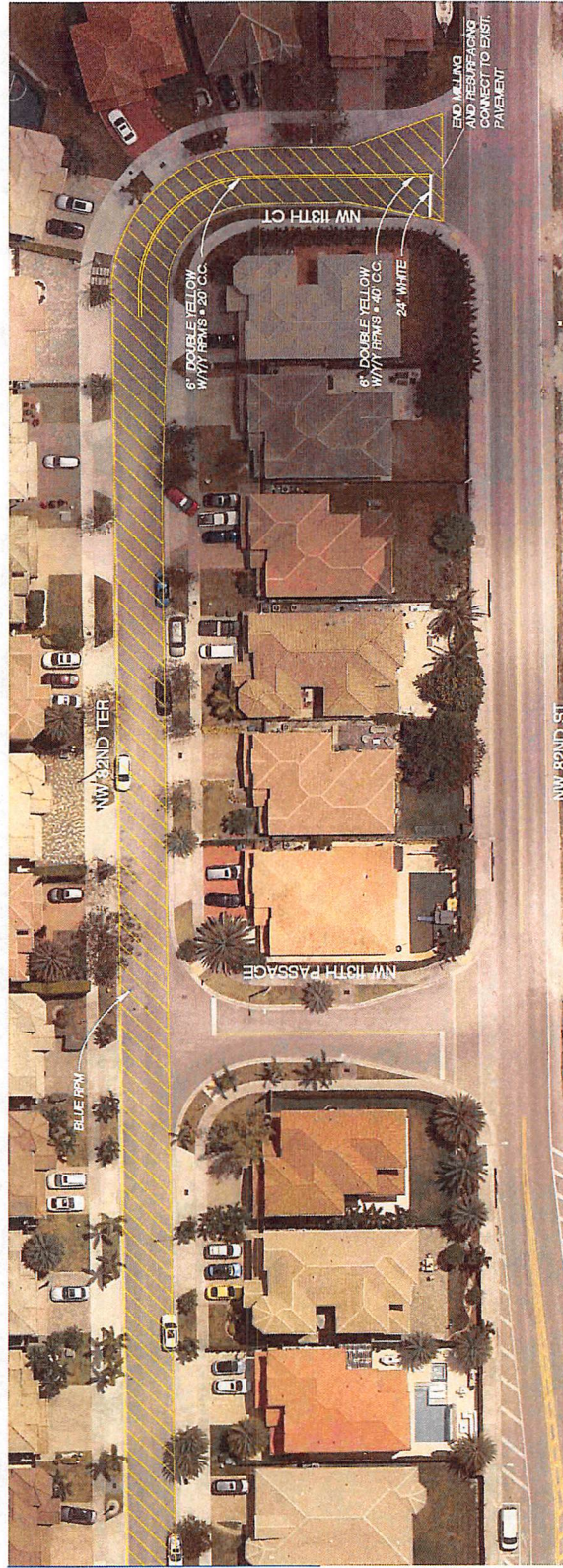
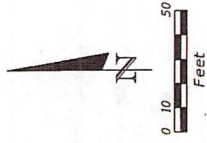
SEGMENT 13 & 14
 NW 115 CT
 FROM NW 82 ST TO NW 86 ST
 NW 82 TER
 FROM NW 115 CT TO NW 113 CT

SHEET NO. 11

CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

Kimley-Horn
 Certificate of Authorization No. 696
 Luis G. Cuba, P.E.
 355 Alhambra Circle, Suite 1400
 Miami, Florida 33134

REVISIONS	DATE	DESCRIPTION



MATCHLINE SEE SHEET 12

NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORKED IS BEING PERFORMED IN ACCORDANCE WITH FOOT STANDARD PLANS 102-SERIES AND THE MUTCD.
3. THE CONTRACTOR SHALL VERIFY ALL COVERED UTILITIES BEFORE COMMENCING WORK.
4. MARKINGS AND REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS NO. 711-501 AND 708-001.

LEGEND:



Denotes limits of 1" milling and resurfacing with superpave asphaltic concrete, TYP FIC B, SP-5S



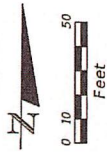
SEGMENT 14 & 15
 FROM NW 115 TER TO NW 113 CT
 FROM NW 82 ST TO NW 82 TER

SHEET NO. 12

CITY OF DORAL
 2018 ROADWAY RESURFACING PROJECTS

Kimley-Horn
 Certificate of Registration No. 696
 Luis G. Cubas, P.E.
 P.E. License No. 59076
 355 Alhambra Circle - Suite 1400
 Miami, Florida 33134

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION



NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED AND ANYTIME WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF THE AASHTO AND PUMPS 104 SERIES ROAD

3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CURBS, GUTTERS, REFLECTIVE PAVEMENT MARKINGS IN ACCORDANCE WITH FOOT STANDARD PLANS NO. 711-001 AND 706-001.

LEGEND:



NOTES LIMITS OF 1" MILLING AND RESURFACING WITH SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B. SP-9.5



SEGMENT 16

NW 114TH PATH
FROM NW 82 ST TO NW 83 WAY

SHEET NO.

13

CITY OF DORAL
2018 ROADWAY RESURFACING PROJECTS

Kimley-Horn
Certificate of Authorization No. 696
Luis G. Cubas, P.E.
Professional No. - State 1400
355 Alhambra Street, Suite 1400
Miami, Florida 33134

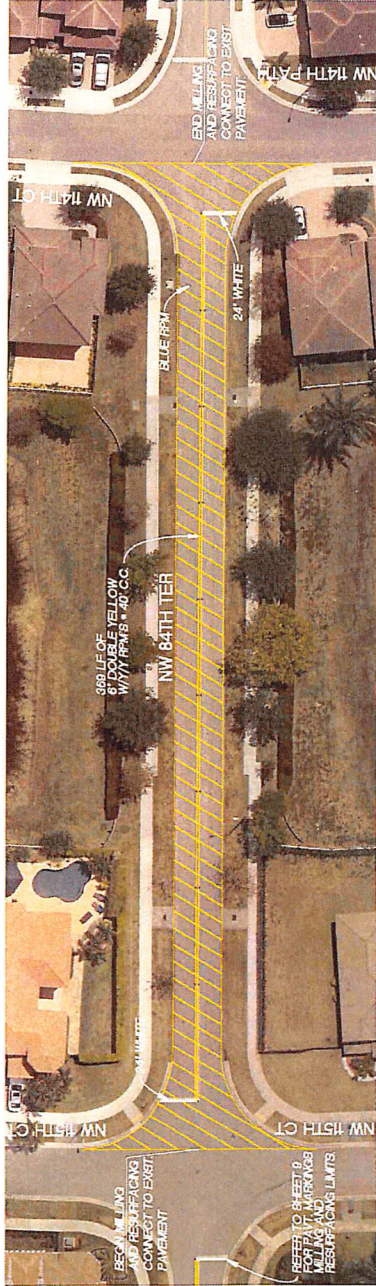
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Site: Dorado

3-32-18 PK

2/17/2018

K:\NIR_Roadway\182315008 Dorad\1807_Resurfacing\182315011\Roadway\LAIR009.DWG



NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. ANYTIME WORKED IS BEING PERFORMED AND SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD PLANS 102 SERIES, AND THE NOTED.
3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH FDOT STANDARD PLANS NO. 711-001 AND 706-001.

LEGEND:



DENOTES LIMITS OF MILLING AND RESURFACING FOR CONCRETE, TRAFFIC B, SP-0.5



SEGMENT 18

CITY OF DORAL		2018 ROADWAY RESURFACING PROJECTS
Kimley-Horn		
Certificate of Authorization No. 696 P.E. License No. 59076 355 Alhambra Circle - Suite 1400 Hialeah, Florida 33134		
DATE	DESCRIPTION	DATE
NW 84 TER		SHEET NO.
FROM NW 116 CT TO NW 114 CT		15