



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: August 17, 2018

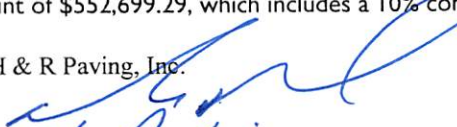
WORK ORDER No. 18-05 (ITB #2016-43)
 TOTAL AMOUNT: \$552,699.29 (Not to exceed)


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. Work is to be performed along the following road segments, NW 115th Ave. from NW 34th St. to NW 41st St., NW 30th St. from NW 108th Ave. to NW 112th Ave., NW 109th Ave. from NW 27th St. to NW 30th St., NW 29th St. from NW 108th Ave. to NW 112th Ave., NW 108th Ave. from NW 29th St. to NW 30th St., NW 110th Ave. from NW 29th St. to Dead End. NW 84th Ave. from NW 54th St. to NW 56th St. and NW 56th St. from NW 79th Ave to NW 87th Ave., 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-I 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 \$552,699.29, which includes a 10% contingency.

Contractor: H & R Paving, Inc.

BY: 
 NAME: A. Rodriguez
 TITLE: A.P.

OWNER: City of Doral
 BY: 
 NAME: Edward Rojas
 TITLE: City Manager


WITNESSES: SEAL:

1. 
2. 

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, Hellman,
 Cole & Bierman, PL
 TITLE: City Attorney

RESOLUTION No. 17-40

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE AWARD OF INVITATION TO BID #2016-43, "MILLING AND RESURFACING OF BITUMINOUS PAVING, MISCELLANEOUS STORMWATER IMPROVEMENTS" TO H&R PAVING, INC; AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND ENTER INTO AN AGREEMENT, SUBJECT TO APPROVAL AS TO FORM AND LEGAL SUFFICIENCY BY THE CITY ATTORNEY, IN AN AMOUNT NOT TO EXCEED \$2,406,668.37, FOR THE PROVISION OF CITYWIDE ROADWAY IMPROVEMENTS AND TO EXPEND BUDGETED FUNDS IN FURTHERANCE HEREOF; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, in response to Invitation to Bid #2016-43 for "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvements" (the "Project"), the City received six (6) bids by the January 31, 2017 deadline, with all six (6) companies meeting the required criteria; and

WHEREAS, upon review of bids received, staff determined that H&R Paving Inc. was the lowest most responsive and responsible bidder (the "Contractor"); and

WHEREAS, a copy of Contractor's Bid Submittal which includes the Construction Contract, ITB #2016-43 Inventory, and Bid Tabulation are all attached as Exhibit "A", which is incorporated herein and made a part hereof by this reference; and

WHEREAS, staff recommends the City Council award the bid to H&R Paving and authorize the City Manager to enter into an agreement for the Project with the Contractor in a not to exceed amount of \$2,406,668.37, which includes a 10% contingency for any unforeseen conditions, is in the best interest of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated herein and made part hereof by this reference.

Section 2. Award. Invitation to Bid #2016-43 for "Milling and Resurfacing of Bituminous Paving, Miscellaneous Stormwater Improvements" is hereby award to H&R Paving, the lowest, most responsible and most responsive bidder. This award, in and of itself, and absent entering into an agreement, does not vest H&R Paving with any contractual rights with regard to the Bid, the Project, or the City.

Section 3. Approval. The Contract between the City and Contractor for the Project, in substantially the form provided in in Exhibit "A", which is incorporated herein and made a part hereof by this reference, together with such non-material changes as may be acceptable to the City Manager and approved as to form and legal sufficiency by the City Attorney, in an amount of \$2,406,668.37 (which includes a 10% contingency for any unforeseen conditions), is hereby approved.

Section 4. Authorization. The City Manager is authorized to execute the construction contract and expend budgeted funds on behalf of the City in furtherance hereof.

Section 5. Implementation. The City Manager and the City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and the provisions of this Resolution.

Section 6. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing resolution was offered by Vice Mayor Cabrera who moved its adoption. The motion was seconded by Councilmember Rodriguez and upon being put to a vote, the vote was as follows:


Mayor Juan Carlos Bermudez	Yes
Vice Mayor Pete Cabrera	Yes
Councilwoman Christi Fraga	Absent/Excused
Councilwoman Claudia Mariaca	Yes
Councilwoman Ana Maria Rodriguez	Yes

PASSED and ADOPTED this 8 day of March, 2017.



JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:



CONNIE DIAZ, CMC
CITY CLERK

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

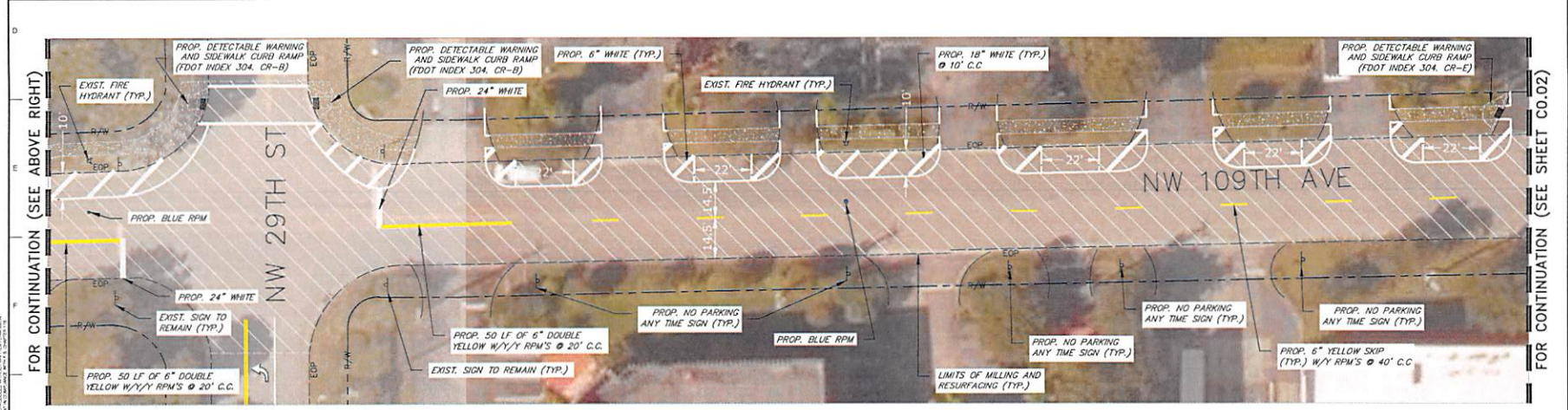
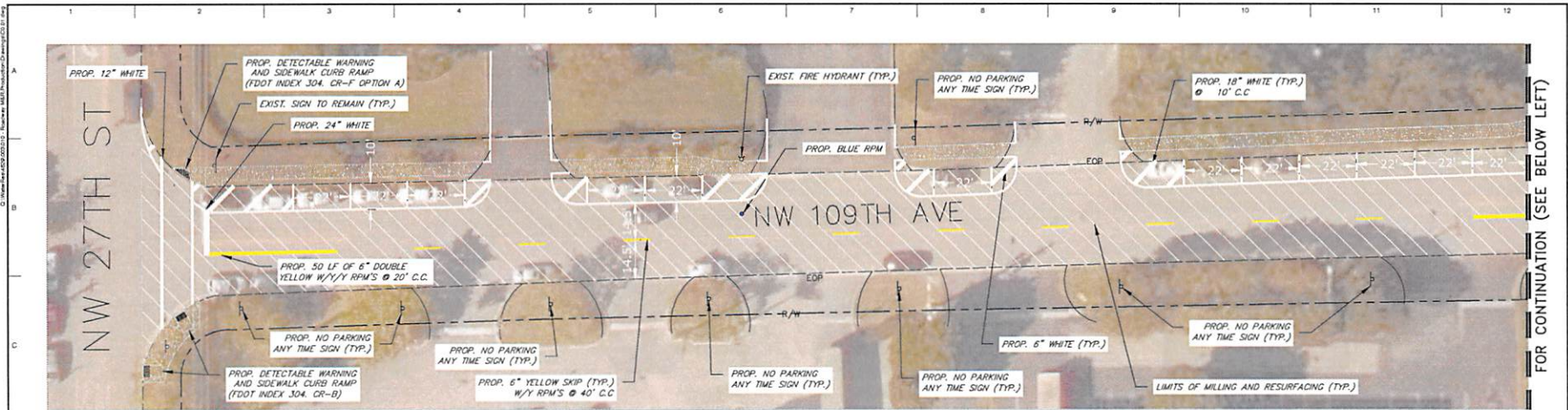


WEISS, SEROTA, HELEMAN, COLE & BIERMAN, P.L.
CITY ATTORNEY

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	3	\$ 1.00	\$ 3.00
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	3	\$ 450.00	\$ 1,350.00
5	Mobilization-Demobilization (Pavement Marking and Signage Projects)(Scope of work: existing pavement marking removal, pavement markings, rpms, etc.)	EA	3	\$ 1.00	\$ 3.00
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	3	\$ 1.00	\$ 3.00
7	Mobilization-Demobilization (Concrete Projects)(Includes dust control methods)(Scope of work: removal of existing concrete features, installation of new concrete features)	EA	1	\$ 1.00	\$ 1.00
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	1	\$ 450.00	\$ 450.00
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		\$ 2.00	\$ -
12	Construct new sidewalk (4" thick, 6" thick at driveway)(Includes cut and fill, sub-grade prep., ADA compliant handicap ramps, etc.)	SF	4,560	\$ 4.50	\$ 20,520.00
13	Curb Ramp Detectable Warning Surface (to install on ADA compliant curb ramp)	SF	80	\$ 25.00	\$ 2,000.00
14	Root pruning under existing sidewalk (Perpendicular length of sidewalk)(Includes disposal of material)	LF		\$ 1.00	\$ -
15	Remove Existing Curb & Gutter, Valley Gutter, Traffic Separator (Includes Disposal of Material)	LF		\$ 5.00	\$ -
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	120	\$ 10.00	\$ 1,200.00
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	53	\$ 1.00	\$ 53.00
35	Adjust Valve Boxes	EA	46	\$ 1.00	\$ 46.00
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	7	\$ 20.00	\$ 140.00
44	Coral Rock Limerock LBR 40	TN		\$ 20.00	\$ -
45	Milling Existing Asphalt Pavement, 1" Ave. Depth	SY	51,985	\$ 2.00	\$ 103,970.00
46	Milling Existing Asphalt Pavement, 2" Ave. Depth	SY	24	\$ 0.50	\$ 12.00
47	Asphalt Leveling Course	TN		\$ 80.00	\$ -
48	Superpave Asphaltic Concrete, Traffic B, SP-9.5	TN	2,869	\$ 110.50	\$ 317,046.60
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	878	\$ 3.60	\$ 3,160.80
59	Retro-reflective Pavement Markers (white)	EA	70	\$ 3.60	\$ 252.00
60	Retro-reflective Pavement Markers (blue)	EA	40	\$ 3.60	\$ 144.00
61	Painted Pavement Marking, Standard, White, Solid, 6"	EA	3,650	\$ 0.24	\$ 876.00
62	Painted Pavement Marking, Standard, White, Solid, 8"	EA		\$ 0.96	\$ -
63	Painted Pavement Marking, Standard, White, Solid, 12"	LF	819	\$ 0.96	\$ 786.24
64	Painted Pavement Marking, Standard, White, Solid, 18"	LF	560	\$ 1.20	\$ 672.00
65	Painted Pavement Marking, Standard, White, Solid, 24"	LF	416	\$ 1.20	\$ 499.20
66	Painted Pavement Marking, Standard, White, Skip, 6" (10'-30')	LF		\$ 0.24	\$ -
67	Painted Pavement Marking, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	111	\$ 0.24	\$ 26.64
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	67	\$ 24.00	\$ 1,608.00
71	Painted Pavement Marking, Standard, Yellow, Solid, 6"	LF	15,734	\$ 0.24	\$ 3,776.16
72	Painted Pavement Marking, Standard, Yellow, Solid, 18"	LF	176	\$ 0.96	\$ 168.96
73	Painted Pavement Marking, Standard, Yellow, Skip, 6" (10'-30')	LF	11,183	\$ 0.24	\$ 2,683.92
74	Painted Pavement Marking, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.20	\$ -
75	Thermoplastic, Standard, White, Solid, 6"	LF	3,650	\$ 0.84	\$ 3,066.00
76	Thermoplastic, Standard, White, Solid, 8"	LF		\$ 1.20	\$ -
77	Thermoplastic, Standard, White, Solid, 12"	LF	819	\$ 2.04	\$ 1,670.76
78	Thermoplastic, Standard, White, Solid, 18"	LF	560	\$ 3.60	\$ 2,016.00
79	Thermoplastic, Standard, White, Solid, 24"	LF	416	\$ 3.60	\$ 1,497.60
80	Thermoplastic, Standard, White, Skip, 6" (10'-30')	LF		\$ 0.84	\$ -
81	Thermoplastic, Standard, White, Dotted/Guideline/6-10 GAP, Ext 6"	LF	111	\$ 1.14	\$ 126.54
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	67	\$ 72.00	\$ 4,824.00
85	Thermoplastic, Standard, Yellow, Solid, 6"	LF	15,734	\$ 0.84	\$ 13,216.56
86	Thermoplastic, Standard, Yellow, Solid, 18"	LF	176	\$ 3.60	\$ 633.60
87	Thermoplastic, Standard, Yellow, Skip, 6" (10'-30')	LF	11,183	\$ 0.84	\$ 9,393.72
88	Thermoplastic, Standard, Yellow, Skip, 6" (2'-4')	LF		\$ 1.14	\$ -
89	Reflective Paint (Island Nose) Yellow	SF	174	\$ 2.40	\$ 417.60
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	2	\$ 1,800.00	\$ 3,600.00
93	Off-Duty Police Officer	HR		\$ 60.00	\$ -


Subtotal	\$ 502,453.90
10% Contingency	\$ 50,245.39
Total	\$ 552,699.29




LEGEND

---R/W---	Right of way line
---EOP---	Edge of pavement
⊕	Exist. Fire Hydrant
⊙	Exist. Sign
●	Proposed blue RPM
▭	Prop. Sidewalk
▨	Limits of milling and resurfacing pavement restoration

- NOTES:**
- NO TOPOGRAPHIC AND RIGHT OF WAY SURVEY WAS PERFORMED AS PART OF THIS WORK. THE ENGINEER ASSUMES NO RESPONSIBILITY OF FACILITIES SHOWN OR NOT. CONTRACTOR IS TO FIELD VERIFY LOCATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ASSIGNED CONSTRUCTION PROJECT MANAGER SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE SAID CONFLICT.
 - APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FDOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.
 - CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 - RADIAL RETURN DRIVEWAY CONTAIN 10 FEET RADIUS AS PER FOOT DRIVEWAY INFORMATION GUIDE 2008.
 - INSTALL PAVEMENT MARKINGS AND ARROWS PER FDOT INDEX 17346.
 - INSTALL CONCRETE SIDEWALK PER FDOT INDEX 310.
 - CONCRETE SIDEWALK THROUGH EXISTING FIRE HYDRANTS SHALL COMPLY WITH MIAMI DADE STANDARD DRAWING WS 4.50.
 - INSTALL DETECTABLE WARNINGS AND SIDEWALK RAMP PER FDOT INDEX 304. RAMP CR-E, CR-F (OPTION B)
 - SIDEWALK RAMP SHOWN ON THE PLANS WERE BASED ON LIMITED INFORMATION. CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND UTILIZE THE APPROPRIATE SIDEWALK RAMP THROUGHOUT THE NEW SIDEWALK LIMITS PER FDOT AND ADA STANDARDS. ADDITIONAL RAMP THAN THOSE SHOWN ON THE PLANS MAY BE REQUIRED.
 - UTILITY GRASS STRIP BETWEEN SIDEWALK AND CURB SHALL BE 2' MINIMUM PER FDOT INDEX 304.



SCALE FEET
0 20 40



8401 NW 53rd Terrace Doral, FL 33166
305.552.6740

King
ENGINEERING ASSOCIATES, INC.
8700 West Flagler Street, Suite 340
Miami, FL 33174
Phone 305.392.0979
Fax 305.392.0912
www.kingengineering.com
Engineering License #25110

NO.	DATE	REVISION

ROADWAY RESURFACING PROJECT
CITY OF DORAL
NW 109TH AVENUE FROM NW 27TH STREET TO NW 29TH STREET

JOB NO.	8809-000-010
DATE	04/13/2018
SCALE	AS SHOWN

C0.01

10% SUBMITTAL
04/13/2018

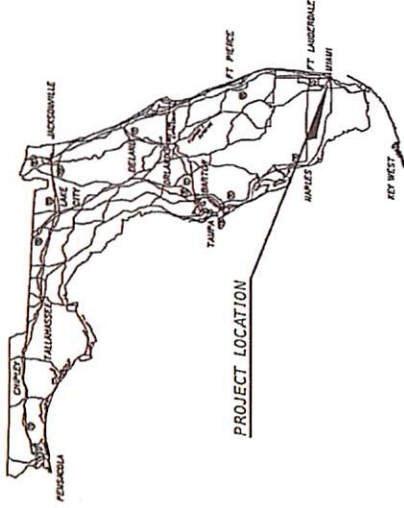
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MAYOR LUIGI BORIA
 VICE MAYOR CHRISTI FRAGA
 COUNCILMAN PETE CABRERA
 COUNCILWOMAN SANDRA RUIZ
 COUNCILWOMAN ANA MARIA RODRIGUEZ

CITY OF DORAL
CONTRACT PLANS

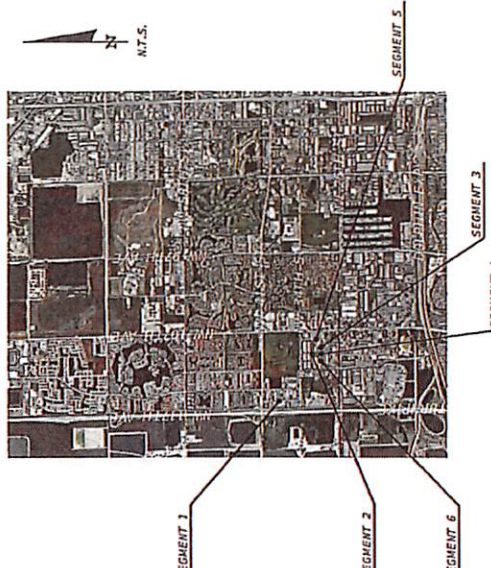
2016 ROADWAY RESURFACING PROJECTS



INDEX OF ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

- 1 KEY SHEET
- 2 GENERAL NOTES
- 3 TABULATION OF QUANTITIES
- 4 SEGMENT 1
NW 115TH AVENUE FROM NW 34TH STREET TO NW 41ST STREET
- 5 SEGMENT 2
NW 108TH AVENUE FROM NW 108TH AVENUE TO NW 112TH AVENUE
- 6 SEGMENT 3
NW 108TH AVENUE FROM NW 27TH STREET TO NW 30TH STREET
- 7 SEGMENT 4
NW 25TH STREET FROM NW 108TH AVENUE TO NW 112TH AVENUE
- 8 SEGMENT 5
NW 108TH AVENUE FROM NW 29TH STREET TO NW 30TH STREET
- 9 SEGMENT 6
NW 110TH AVENUE FROM NW 29TH STREET TO DEAD END



PLANS PREPARED BY:

JAVIER RODRIGUEZ, P.E.
 R. J. BEHAR & COMPANY, INC.
 6861 S.W. 196 AVENUE, SUITE 302
 PEMBROKE PINES, FL 33332



R. J. Behar & Company, Inc.
 Engineers • Planners

6861 S.W. 196 AVENUE, SUITE 302
 PEMBROKE PINES, FL 33332
 VENDOR IDENTIFICATION #65 095 4070
 CERTIFICATE OF AUTHORIZATION NO. 00008365
 CONTRACT NO. C-8001

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

P.E. NO. 48264

ROADWAY PLANS
 ENGINEER OF RECORD: JAVIER RODRIGUEZ, P.E.


TABLATION OF QUANTITIES

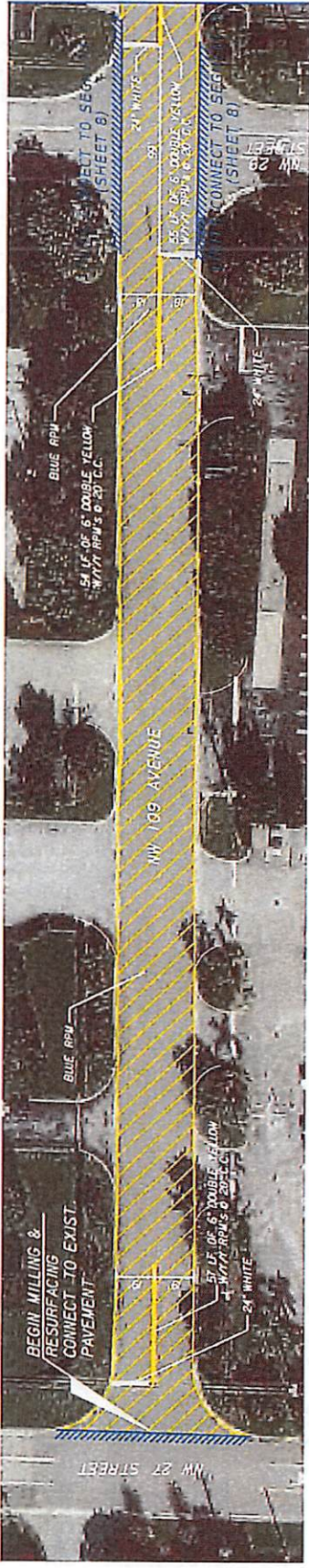
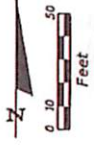
PAY ITEM NO.	DESCRIPTION	UNIT	SEGMENT 1		SEGMENT 2		SEGMENT 3		SEGMENT 4		SEGMENT 5		SEGMENT 6		GRAND TOTAL		REF. SHEET	
			SHEET 4		SHEET 5		SHEET 6		SHEET 7		SHEET 8		SHEET 9		PLAN			FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
31	ADJUST MANHOLE	EA														26		
32	ADJUST VALVE BOXES	EA	14													45		
36	1" PAVEMENT MILLING	SY	10,273		8,639		5,007		11							34,243		
43	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B., SP-9.5 (1" AVG.)	TN	563		275		275		113							1,311		
61	RETRO-REFLECTIVE PAVEMENT MARKERS (TYPE B)	EA	268		268		24		179							739		
N/A	RETRO-REFLECTIVE PAVEMENT MARKERS (TYPE A)	EA	18		18		4		2							68		
63	PAINTED PAVEMENT MARKINGS, MESSAGE OR SYMBOL	EA	3		33		3		12							51		
64	PAINTED PAVEMENT MARKINGS, ARROWS	EA	18		18		19		8							65		
65	PAINTED PAVEMENT MARKINGS, WHITE, SOLID 6"	LF	185		998		201		201							1,478		
67	PAINTED PAVEMENT MARKINGS, WHITE, SOLID FOR CROSSWALK OR ROUNDABOUT, 12"	LF	177				80		52							378		
69	PAINTED PAVEMENT MARKINGS, WHITE SOLID, SOLID FOR STOP LINES OR CROSSWALK, 24"	LF	70		52		80		52							278		
71	PAINTED PAVEMENT MARKINGS, WHITE, SKIP/DOTTED, 6" (10/30)	LF	111													111		
74	PAINTED PAVEMENT MARKINGS, YELLOW, SOLID 6"	LF	4,910		4,340		438		3,516		908					14,214		
75	PAINTED PAVEMENT MARKINGS, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	LF	55		121											176		
76	PAINTED PAVEMENT MARKINGS, YELLOW, SKIP/DOTTED, 6" (10/30)	LF	3,934		792				3,390		903					9,018		
77	TIERNOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	185		998				201		48					1,478		
79	TIERNOPLASTIC, STANDARD, WHITE, SOLID FOR CROSSWALK OR ROUNDABOUT, 12"	LF	177				80		52							378		
81	TIERNOPLASTIC, WHITE, SOLID FOR STOP LINE AND CROSSWALK, 24"	LF	70		52		80		52							278		
82	TIERNOPLASTIC, STANDARD, WHITE, SKIP/DOTTED, 6" (10/30)	LF	111													111		
84	TIERNOPLASTIC, MESSAGE OR SYMBOL	EA	3													3		
85	TIERNOPLASTIC, ARROWS	EA	18		18		19		8							65		
86	TIERNOPLASTIC, STANDARD, YELLOW, SOLID, 6"	EA	18		18		19		8							65		
87	TIERNOPLASTIC, STANDARD, YELLOW, SOLID FOR STOP LINES AND CHEVRONS, 18"	EA	4,910		4,340		438		3,516		908					14,374		
88	TIERNOPLASTIC, STANDARD, YELLOW, SKIP/DOTTED, 6" (10/30)	LF	111		121											232		
89	REFLECTIVE PAINT (ISLAND NOSE) YELLOW	SF	3,934		792				3,390		903					9,018		
89	REFLECTIVE PAINT (ISLAND NOSE) YELLOW	SF	174.00													174		

NOTES:

- * BID ITEM No. 44 WAS DETERMINED USING 110 POUNDS PER SQUARE YARD (SY).
- ADDITIONAL QUANTITIES HAVE BEEN INCLUDED IN THE TOTAL QUANTITY AMOUNT AND ARE INCLUDED AS CONTINGENCY TO BE USED AS DIRECTED BY THE ENGINEER. 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 / VALVE BOXES WITHIN PAYING LIMITS. COST OF 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 TABULATIONS 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.

[Handwritten Signature]
8/8/16

DATE	REVISIONS	DESCRIPTION
 R.J. Behar & Company, Inc. Engineers & Planners 8411 S.W. 156 Avenue, Suite 202 Norman, Oklahoma, P.O. Box 10000 CERTIFICATE OF AUTHORIZATION NO. 00000000		
PROJECT:		CITY OF DORAL
		2016 ROADWAY RESURFACING PROJECTS
SHEET NO.		3
TABULATION OF QUANTITIES		



MATCH LINE SEE BELOW



MATCH LINE SEE ABOVE

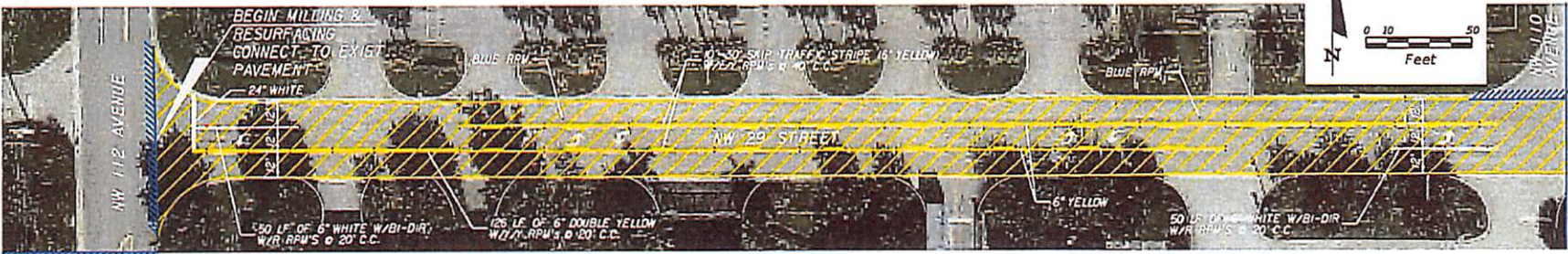
[Handwritten Signature]
8/8/16

- LEGEND:**
- DENOTES LIMITS OF 1" MILLING AND RESURFACING SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP - 9.5
- NOTES:**
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. APPROVED M.O.T. PLANS SHALL BE REQUIRED. ANYTIME WORK IS BEING PERFORMED AND CONFORM WITH THE M.O.T. DESIGN STANDARDS 600 SERIES AND THE NOTED.
 3. CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
 5. INSTALL PAVEMENT MARKINGS AND ARROWS PER FOOT INDEX 17346.

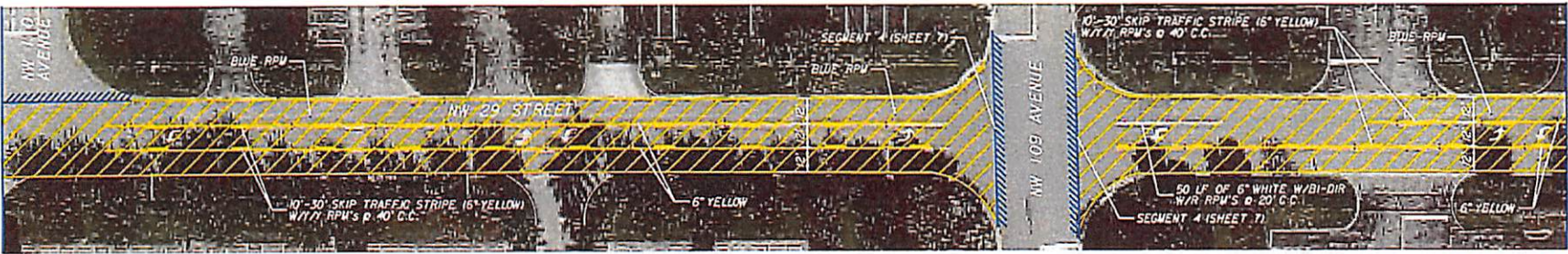
SEGMENT 5

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

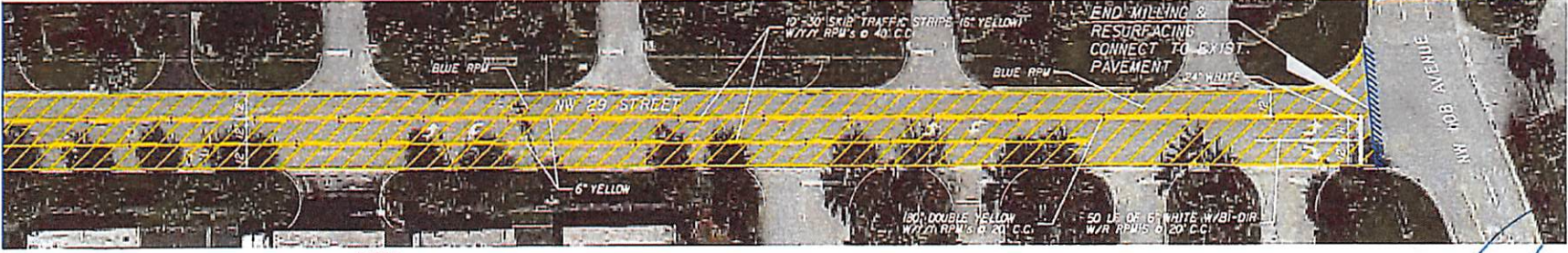
<p>PROJECT: CITY OF DORAL 2016 ROADWAY RESURFACING PROJECTS</p>		<p>SHEET NO. 6</p>
<p>R.J. Behar & Company, Inc. Engineers & Planners 6845 SW 104th Avenue, Suite 202 Miami, Florida 33156 (305) 551-1100 www.rjbeharc.com</p>		<p>NW 109 AVE FROM NW 27 ST TO NW 30 ST</p>




MATCH LINE SEGMENT 2 (SHEET 5)



MATCH LINE SEGMENT 6 (SHEET 9)



LEGEND:

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

NOTES:

1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FDOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.
3. CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
5. INSTALL PAVEMENT MARKINGS AND ARROWS PER FDOT INDEX 17346.

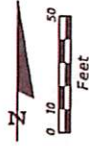
SEGMENT 4 

REVISIONS		DESCRIPTION		PROJECT:	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
				CITY OF DORAL 2016 ROADWAY RESURFACING PROJECTS	7

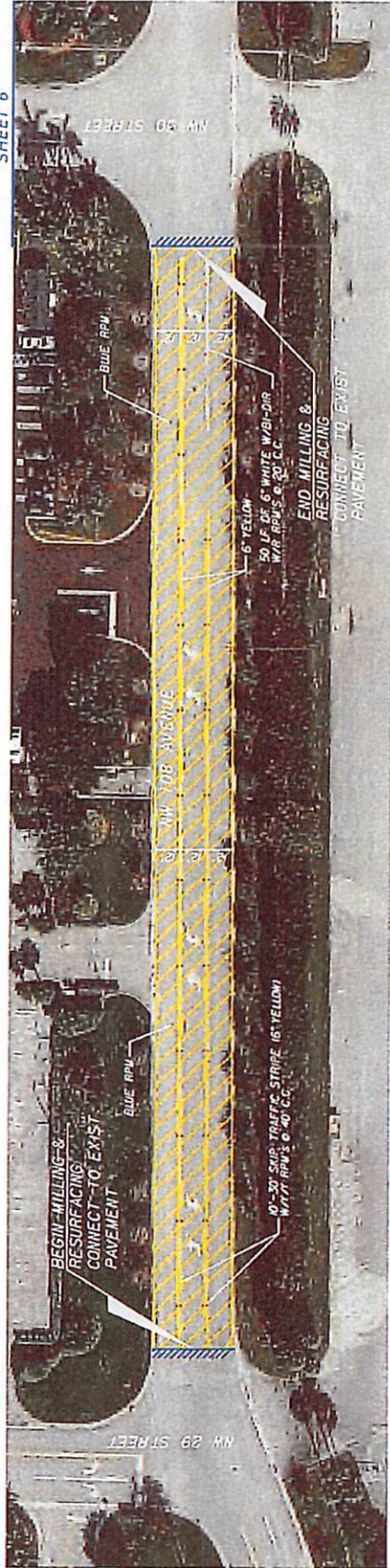
 **R.J. Behar & Company, Inc.**
 Engineers & Planners
 6811 S.W. 136 Avenue, Suite 302
 Pembroke Park, FL 33322
 ROBERT J. BEHAR, P.E. LICENSE NO. 17125
 CERTIFICATE OF AUTHORIZATION NO. 0000354

PROJECT:
CITY OF DORAL
 2016 ROADWAY RESURFACING PROJECTS

NW 29 ST
FROM NW 108 AVE TO NW 112 AVE



MATCHLINE SEGMENT 3
SHEET 6



LEGEND:

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

NOTES:

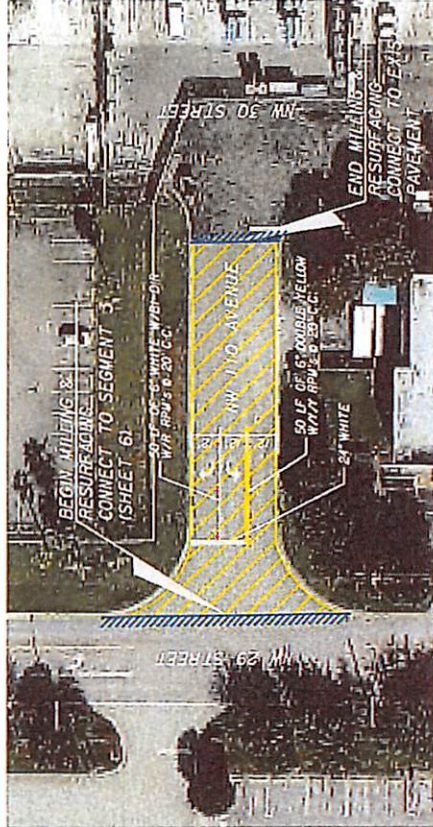
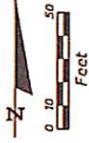
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED N.O.T. PLANS SHALL BE REQUIRED. ANYTIME WORK IS BEING PERFORMED AND CONFORM WITH THE LATEST EDITION OF PUDJ DESIGN STANDARDS 600 SERIES AND THE NOTED.

3. CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
5. INSTALL PAVEMENT MARKINGS AND ARROWS PER PDDT INDEX 17346.

SEGMENT 5
[Signature]
8/16/16

REVISIONS		DESCRIPTION	DATE
NO.	DATE		

 R.J. Behar & Company, Inc. Engineers & Planners <small>5941 E. 10th Avenue, Suite 200 Aurora, CO 80016 (303) 751-1100 WWW.RJB.COM</small>	PROJECT:	CITY OF DORAL	SHEET NO.	8
		2016 ROADWAY RESURFACING PROJECTS	FROM NW 29 ST TO NW 50 ST	



LEGEND:

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

NOTES:

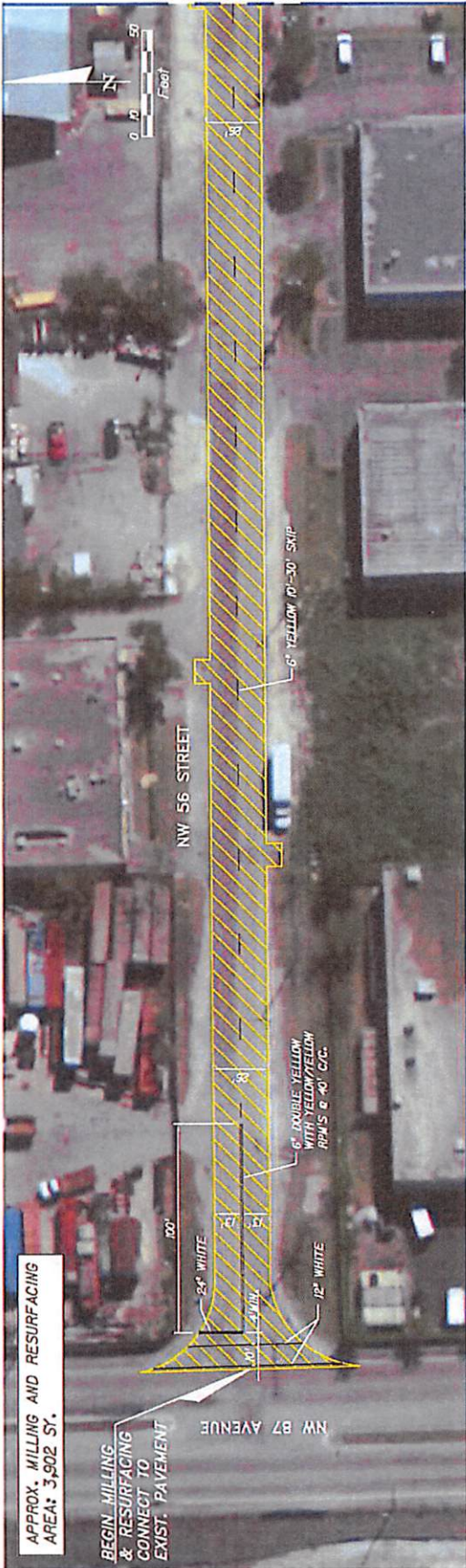
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
2. APPROVED M.O.T. PLANS SHALL BE REQUIRED. ANYTIME WORK IS BEING PERFORMED AND CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.
3. WIDTHS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.
5. INSTALL PAVEMENT MARKINGS AND ARROWS PER FOOT INDEX 17346.

[Handwritten Signature]
 8/10/16

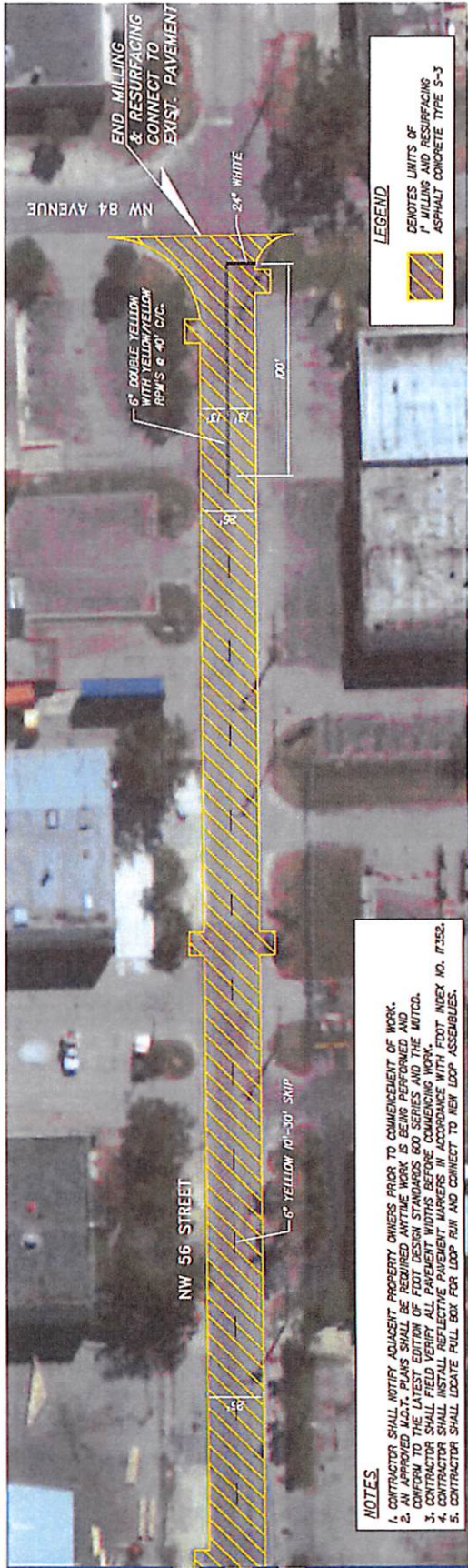
SEGMENT 6

DATE	DESCRIPTION	REVISIONS	DATE

CITY OF DORAL 2016 ROADWAY RESURFACING PROJECTS	PROJECT: NW 110 AVE FROM NW 29 ST TO NW 30 ST
R. J. Behar & Company, Inc. Engineers • Planners <small>1401 S.W. 104th Avenue, Suite 202 BOCA RATON, FL 33432 LICENSE NO. 31252 CERTIFICATE OF AUTHORIZATION NO. 0000005</small>	SHEET NO. 9



CONTINUED BELOW LEFT



CONTINUED ABOVE RIGHT

APPROX. MILLING AND RESURFACING AREA: 3,902 ST.

BEGIN MILLING & RESURFACING & CONNECT TO EXIST. PAVEMENT

NW 56 STREET

NW 87 AVENUE

6" DOUBLE YELLOW WITH YELLOW/YELLOW RPP'S @ 40' C/C.

6" YELLOW 10'-50' SKIP

24" WHITE

12" WHITE

10'

10'

10'

10'

10'

10'

10'

10'

10'

10'

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10'

10'

NOTES
 1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. AN APPROVED M.D.T. PLANS SHALL BE REQUIRED ANYTIME WORK IS BEING PERFORMED AND SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE THE METHOD.
 3. CONTRACTOR SHALL LAY OUT EVERY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORK.
 4. CONTRACTOR SHALL INSTALL REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH FOOT INDEX NO. 17352.
 5. CONTRACTOR SHALL LOCATE PULL BOX FOR LOOP RUN AND CONNECT TO NEW LOOP ASSEMBLIES.

LEGEND
 DENOTES LIMITS OF MILLING AND RESURFACING
 1" MILLING AND RESURFACING ASPHALT CONCRETE TYPE S-3

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

REVISED

Ricardo A. Ayala
 P.E. License No. 18060
 1700 N. Kendall Drive, Suite 400
 Miami, Florida 33129
 Fax: (305) 470-3351
 Certificate of Authorization No. 7194

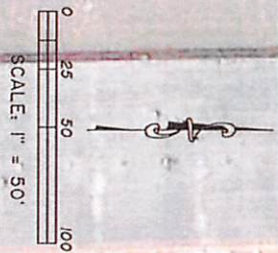
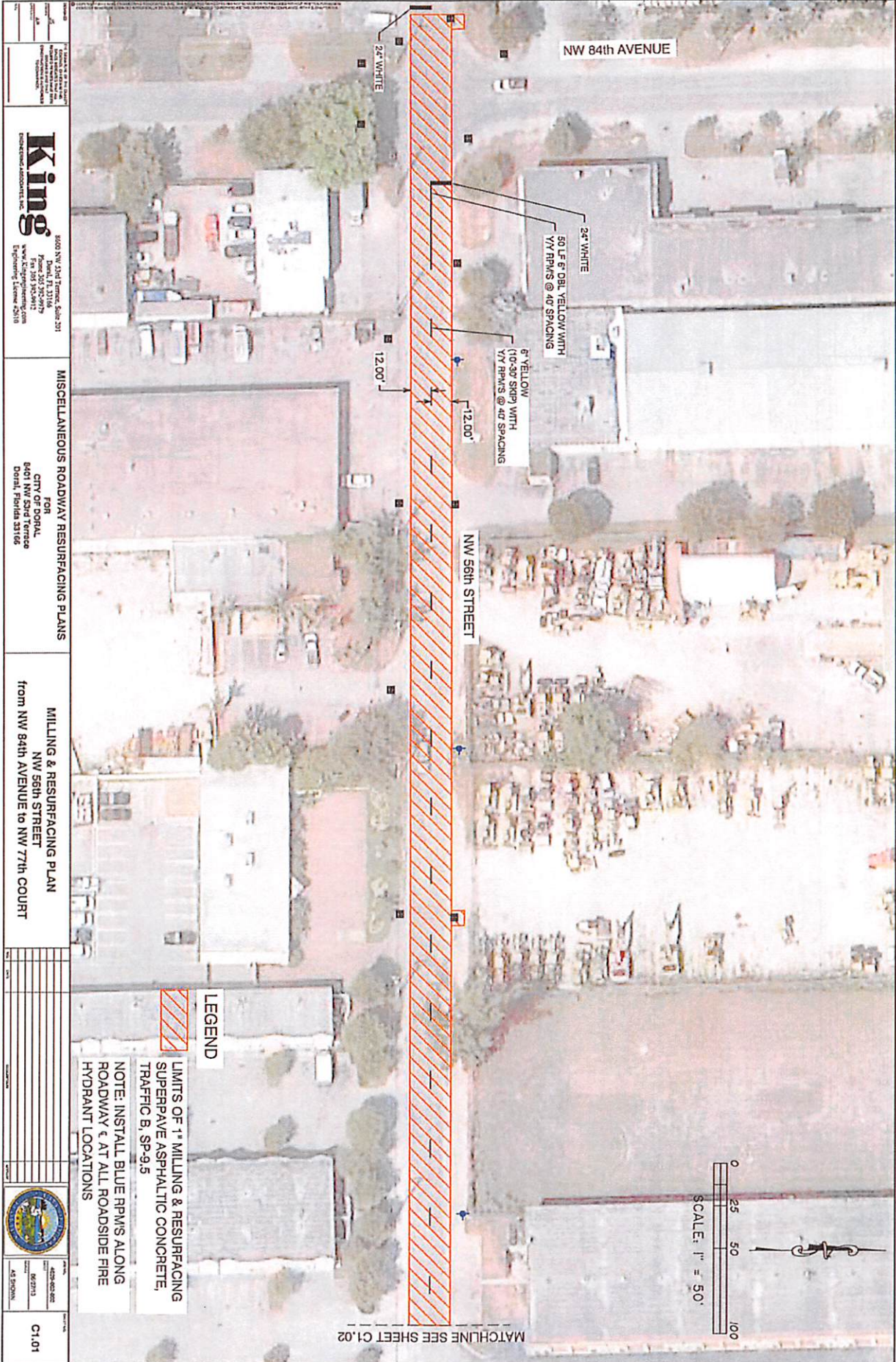


 engineering

PROJECT:
 CITY OF DORAL
 2015 ROADWAY RESURFACING PROJECTS

NW 56 ST.
FROM NW 84 AVE TO NW 87 AVE

SHEET NO. 1



LEGEND

 LIMITS OF 1" MILLING & RESURFACING SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5

NOTE: INSTALL BLUE RPMS ALONG ROADWAY & AT ALL ROADSIDE FIRE HYDRANT LOCATIONS

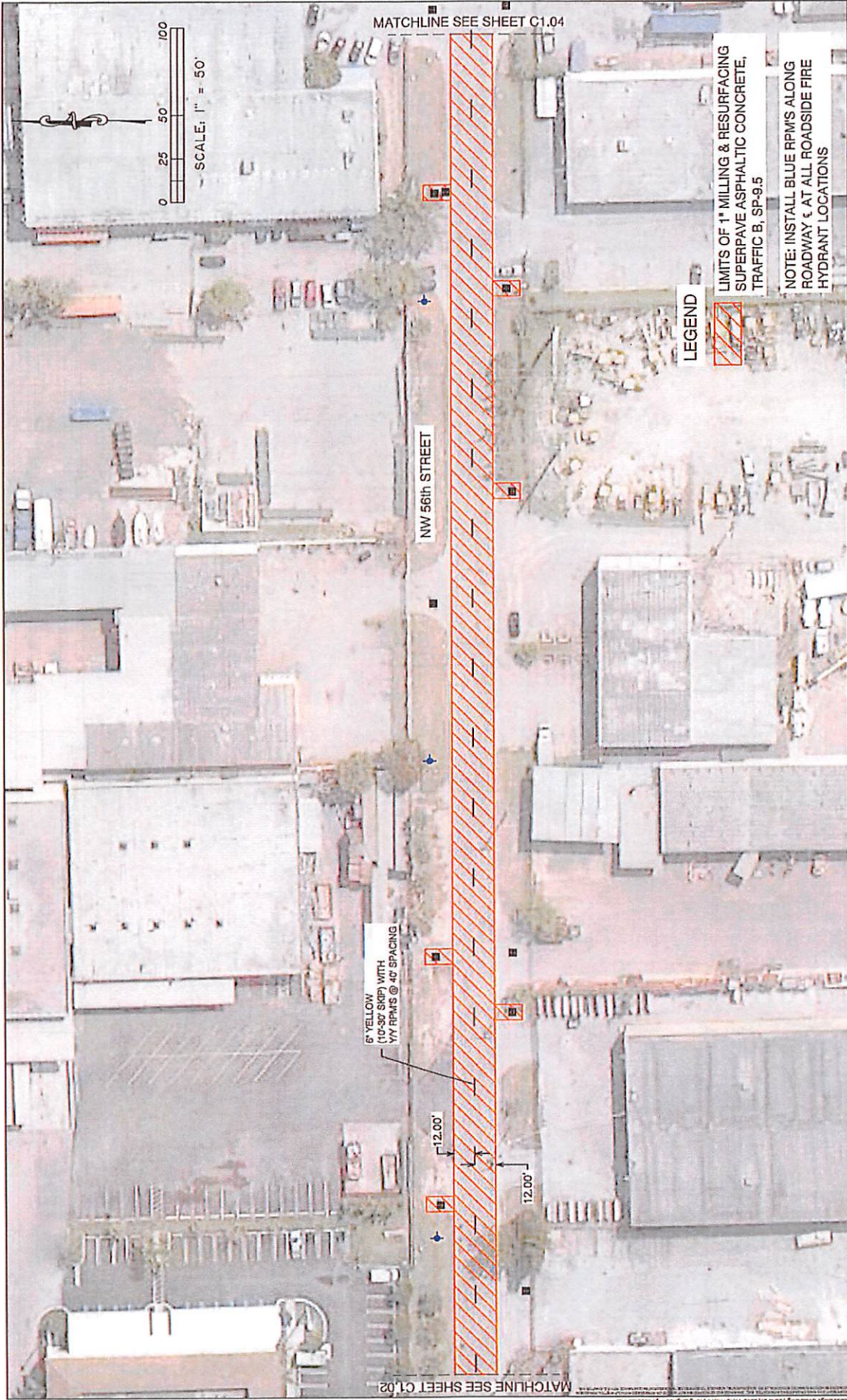
King
 ENGINEERING ASSOCIATES, INC.
 3600 NW 24th Terrace, Suite 201
 North Fort Lauderdale, FL 33306
 Phone: 305-350-0479
 Fax: 305-350-0479
 Engineering License 25110

MISCELLANEOUS ROADWAY RESURFACING PLANS
 FOR
 CITY OF DORAL
 8401 NW 52nd Terrace
 Doral, Florida 33166

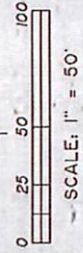
MILLING & RESURFACING PLAN
 NW 56th STREET
 from NW 84th AVENUE to NW 77th COURT

NO.	REVISION	DATE


 APPROVED BY:
 06/27/13
 AS SHOWN
C1.01



MATCHLINE SEE SHEET C1.04




NW 56th STREET

6" YELLOW
(10'-30" STRIP) WITH
1/2" RPPMS @ 40' SPACING

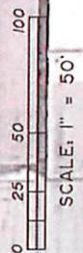
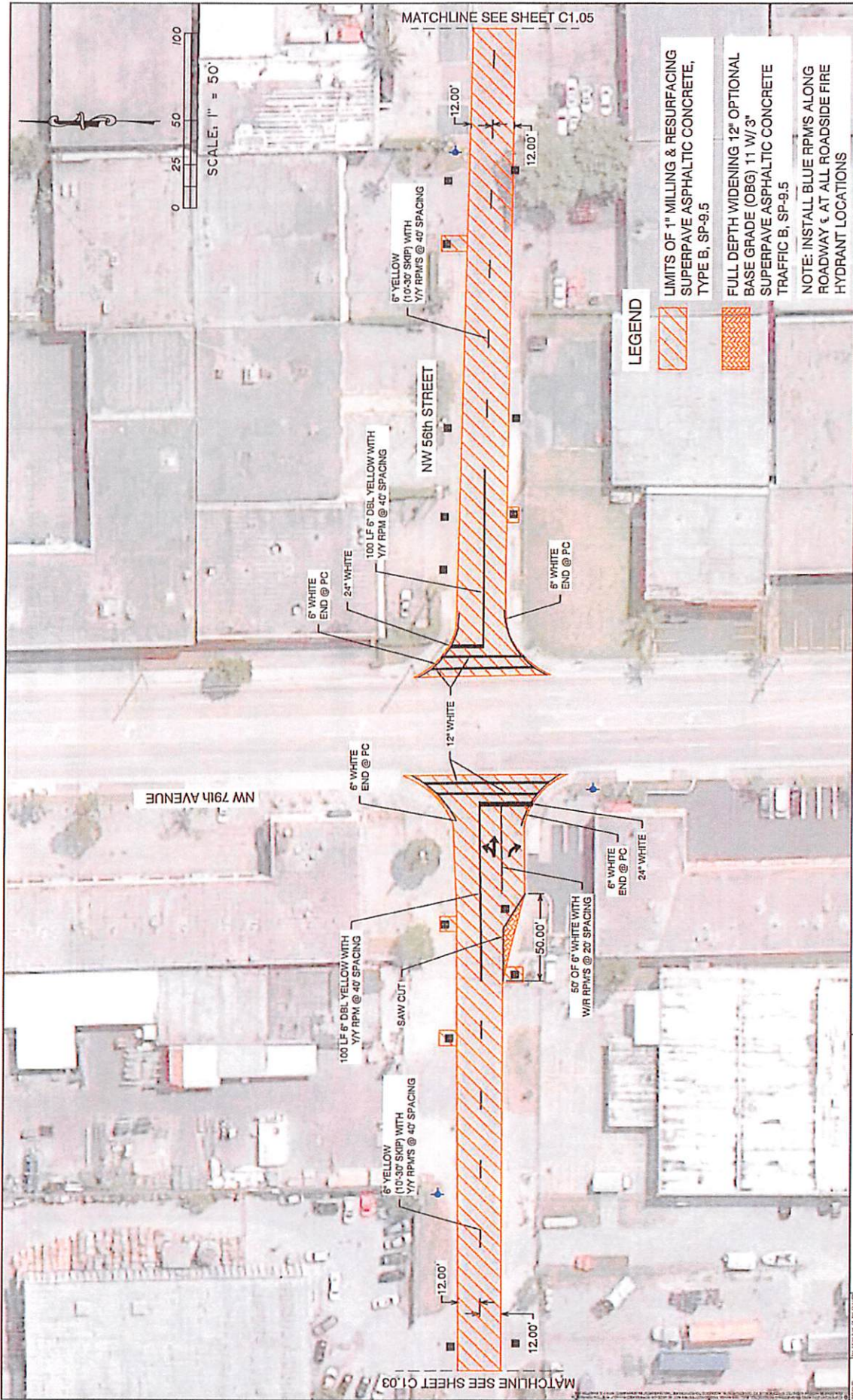
12.00'
12.00'

LEGEND

 LIMITS OF 1" MILLING & RESURFACING SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC B, SP-9.5

 NOTE: INSTALL BLUE RPPMS ALONG ROADWAY & AT ALL ROADSIDE FIRE HYDRANT LOCATIONS

	PROJECT NO. 2017-001 DATE 06/20/2017 DRAWN BY AS BROWN	C1.03
	MILLING & RESURFACING PLAN NW 56th STREET from NW 84th AVENUE to NW 77th COURT	
MISCELLANEOUS ROADWAY RESURFACING PLANS FOR CITY OF DORAL 8401 NW 53rd Terrace Doral, Florida 33166		
 8400 NW 53rd Terrace, Suite 201 Doral, FL 33166 Phone: 305.293.9979 Fax: 305.293.9972 www.KingEngArch.com Engineering License #2430		
MATCHLINE SEE SHEET C1.02		



MATCHLINE SEE SHEET C1.05

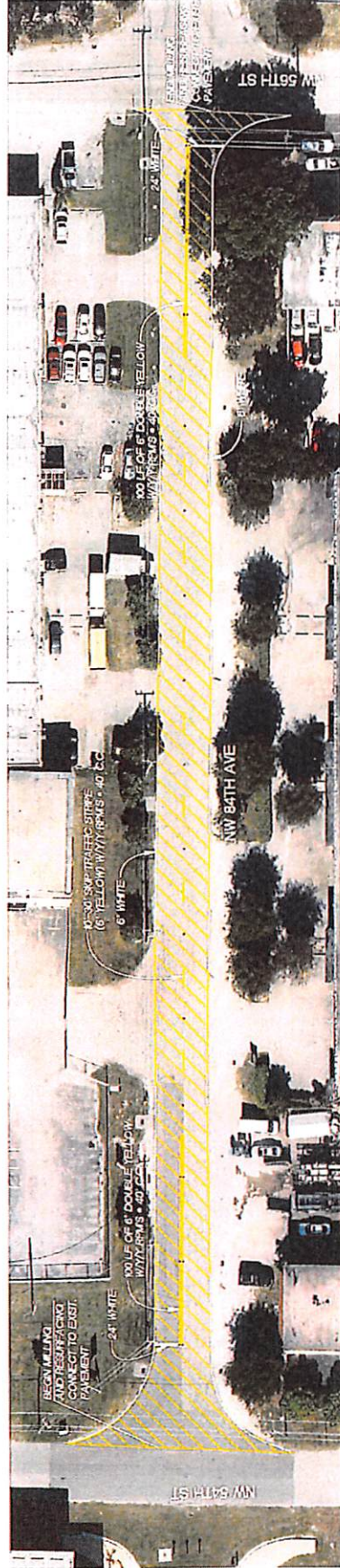
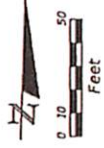
MATCHLINE SEE SHEET C1.03

LEGEND

- LIMITS OF 1" MILLING & RESURFACING SUPERPAVE ASPHALTIC CONCRETE, TYPE B, SP-9.5
- FULL DEPTH WIDENING 12" OPTIONAL BASE GRADE (OBG) 11 W/3" SUPERPAVE ASPHALTIC CONCRETE TRAFFIC B, SP-9.5

NOTE: INSTALL BLUE RPM'S ALONG ROADWAY & AT ALL ROADSIDE FIRE HYDRANT LOCATIONS

<p>DATE: 05/27/2013 DRAWN BY: ALE BUCKN CHECKED BY: 06/27/13 PROJECT NO: 423-202-002</p>		<p>C1.04</p>
<p>MILLING & RESURFACING PLAN NW 56th STREET from NW 84th AVENUE to NW 77th COURT</p>		
<p>MISCELLANEOUS ROADWAY RESURFACING PLANS FOR CITY OF DORAL 8401 NW 53rd Terrace Doral, Florida 33166</p>		
<p>King ENGINEERING ASSOCIATES, INC. 8608 NW 53rd Terrace, Suite 201 Doral, FL 33166 Tel: 305.352.9912 www.kingengineering.com Engineering License #25030</p>		



LEGEND:

PROPOSED LIMITS OF MILLING AND RESURFACING OF EXISTING ASPHALTIC CONCRETE, TRAFFIC B. SP-9.5

- NOTES:
1. CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS PRIOR TO COMMENCEMENT OF WORK.
 2. SHALL CONFORM TO THE LATEST EDITION OF FOOT DESIGN STANDARDS 600 SERIES AND THE MUTCD.
 3. THE CONTRACTOR SHALL VERIFY ALL PAVEMENT WIDTHS BEFORE COMMENCING WORKS IN ACCORDANCE WITH FOOT TRIDICES NO. 17346 AND 17352.
 4. ACCORDANCE WITH FOOT TRIDICES NO. 17346 AND 17352.

SEGMENT 9

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Kimley-Horn Certificate of Authorization No. 095 Luis G. Cubas, P.E. P.E. License No. 59075 1221 Biscayne Blvd., Suite 400 Miami, Florida 33131-3228	CITY OF DORAL 2016 ROADWAY RESURFACING PROJECTS	NW 84 AVE FROM NW 54 ST TO NW 56 ST	SHEET NO.
			17